

# P2B-DS M/B Test Report

May 11th, 1998

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## PART A. SPECIFICATION TEST

### 1. System Specific Test

| CPU Test            |                     |                                                                                                          |                             |                        |                        |
|---------------------|---------------------|----------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|------------------------|
| Vender              | Model               | Voltage                                                                                                  | Clock Multiplier            | Bus Speed              | Remark/Special Setting |
| Intel               | Pentium II MMX 266  | 2.8V                                                                                                     | 4.0X                        | 66 MHz                 |                        |
|                     | Pentium II MMX 300  | 2.8V                                                                                                     | 4.5X                        | 66 MHz                 |                        |
|                     | Pentium II MMX 333  | 2.0V                                                                                                     | 5.0X                        | 66 MHz                 |                        |
|                     | Pentium II MMX 350  | 2.0V                                                                                                     | 3.5X                        | 100 MHz                |                        |
|                     | Pentium II MMX 400  | 2.0V                                                                                                     | 4.0X                        | 100 MHz                |                        |
| Memory Test         |                     |                                                                                                          |                             |                        |                        |
| Type                | SIZE                | Vendor                                                                                                   | Component                   | Remark/Special Setting |                        |
| 168 Pin DIMM Module | 16Mbytes            | Micron                                                                                                   | MT48LC2M8A1-10              |                        |                        |
|                     |                     |                                                                                                          | MT48LC2M8A1-8B              |                        |                        |
|                     |                     | Mitsubishi                                                                                               | M5M4V16S30CTP 6472AOP -12   |                        |                        |
|                     |                     |                                                                                                          | SEC                         | KM48S2020CT-G8         |                        |
|                     |                     | Siemens                                                                                                  | HYB39S16800AT-8             |                        |                        |
|                     | 32Mbytes            | Fujitsu                                                                                                  | 81117822E-100FN             |                        |                        |
|                     |                     |                                                                                                          | 81F16822B-102FN             |                        |                        |
|                     |                     |                                                                                                          | 81F16822B-10FN              |                        |                        |
|                     |                     |                                                                                                          | 81F16822D-102LFN            |                        |                        |
|                     |                     | Hitachi                                                                                                  | HM5264165TTB60 PC100-322-60 |                        |                        |
|                     |                     | Mitsubishi                                                                                               | M5M4V16S30CTP 7032A01-12    |                        |                        |
|                     |                     | NEC                                                                                                      | D4516821AG5-A10-7JF         |                        |                        |
|                     |                     | SEC                                                                                                      | KM48S2020CT-G8              |                        |                        |
|                     |                     |                                                                                                          | KM416S4030BT-G8             |                        |                        |
|                     |                     | Siemens                                                                                                  | HYB39S16800AT-8             |                        |                        |
|                     |                     | Toshiba                                                                                                  | TC59S1608AFT-12A            |                        |                        |
|                     |                     | VIS                                                                                                      | VG3617801BT -10             |                        |                        |
|                     | 64Mbytes            | Fujitsu                                                                                                  | 81F64842B-103FN             |                        |                        |
|                     |                     | Hitachi                                                                                                  | HN5264805TT860 PC100-322-60 |                        |                        |
|                     |                     | NEC                                                                                                      | D4564841G5-A10              |                        |                        |
|                     |                     | SEC                                                                                                      | KM48S8030AT-G10             |                        |                        |
|                     |                     | Toshiba                                                                                                  | TC59S6408FTL-80H            |                        |                        |
|                     | 128Mbytes           | NEC                                                                                                      | D4564841G5-A10-9JF          |                        |                        |
|                     | 256Mbytes           | SEC                                                                                                      | KM44S16030AT-G10            |                        |                        |
| FDD Devices         |                     |                                                                                                          |                             |                        |                        |
| Type                | Model               | O.S. Environment                                                                                         | Status                      | Remark/Special Setting |                        |
| 3Mode FDD           | Mitsumi D353T5      | MS-DOS V6.20 (Japanese)                                                                                  | Pass                        |                        |                        |
| 1.44 MB FDD         | EPSON SMD-1300      | OS/2 WARP Server V4.0<br>OS/2 WARP V4.0                                                                  | Pass                        |                        |                        |
|                     | NEC FD1231H         | OpenStep R4.0<br>WFWG V3.11<br>NT WKS V4.0<br>UnixWare V2.1<br>SCO UNIX R5.0.4                           | Pass                        |                        |                        |
| 1.2 MB FDD          | NEC FD1157C         | MS-DOS V6.22                                                                                             | Pass                        |                        |                        |
| Serial Port Devices |                     |                                                                                                          |                             |                        |                        |
| Type                | Model               | O.S. Environment                                                                                         | Status                      | Remark/Special Setting |                        |
| Mouse               | Genius Serial Mouse | Win95 V950B<br>Win98 RC-1 1721.3 (Chinese-Traditional)<br>Solaris V2.51<br>Solaris V2.6<br>OpenStep R4.0 | Pass                        |                        |                        |

| <b>Serial Port Devices</b>   |                                                                  |                                                                                                          |        |                             |
|------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------|-----------------------------|
| Type                         | Model                                                            | O.S. Environment                                                                                         | Status | Remark/Special Setting      |
| Mouse                        | <i>Logitech First Mouse Super</i>                                | OS/2 WARP Server V4.0<br>OS/2 WARP V4.0<br>WFWG V3.11<br>UnixWare V2.1<br>SCO UNIX R5.0.4<br>NT WKS V4.0 | Pass   |                             |
|                              | <i>Logitech M - M35</i>                                          | Win95 V950B                                                                                              | Pass   |                             |
|                              | <i>Microsoft Serial Mouse</i>                                    | Win95 V950B<br>Win98 RC-1 1721.3                                                                         | Pass   |                             |
|                              | <i>Microsoft IntelliMouse</i>                                    | NT WKS V4.0                                                                                              | Pass   |                             |
| Modem                        | <i>USRobotics 56K</i>                                            | Win95 V950B                                                                                              | Pass   | Power Up on Modem act test. |
| <b>PS2 Port Devices</b>      |                                                                  |                                                                                                          |        |                             |
| Type                         | Model                                                            | O.S. Environment                                                                                         | Status | Remark/Special Setting      |
| Mouse                        | <i>Digital PS/2 Mouse</i>                                        | Solaris V2.51<br>Solaris V2.6                                                                            | Pass   |                             |
|                              | <i>Logitech TrackMan</i>                                         | NT WKS V4.0                                                                                              | Pass   |                             |
|                              | <i>Microsoft IntelliMouse</i>                                    | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
| <b>Parallel Port Devices</b> |                                                                  |                                                                                                          |        |                             |
| Type                         | Model                                                            | O.S. Environment                                                                                         | Status | Remark/Special Setting      |
| CD-ROM                       | <i>Up Select Commuter Parallel Port Portable IDE CD-ROM Case</i> | MS-DOS V6.22                                                                                             | Pass   | EPP Mode                    |
| ECP Cable                    | <i>Direct Parallel Universal Cable</i>                           | Win95 V950B                                                                                              | Pass   | ECP Mode                    |
| HDD                          | <i>Up Select Commuter Parallel Port Portable IDE Disk Case</i>   | MS-DOS V6.22                                                                                             | Pass   | EPP Mode                    |
|                              | <i>Datafab MD3P Parallel Port Portable IDE Disk Case</i>         | MS-DOS V6.22<br>Win95 V950B                                                                              | Pass   | EPP Mode                    |
|                              | <i>DataStor Commuter Parallel Port Portable SCSI Disk Case</i>   | MS-DOS V6.22                                                                                             | Pass   | EPP Mode                    |
| M.O.                         | <i>Philip PDD230</i>                                             | Win95 V950B                                                                                              | Pass   |                             |
| Printer                      | <i>HP LaserJet 5L</i>                                            | Win95 V950B<br>Win98 RC-1 1721.3                                                                         | Pass   |                             |
| Scanner                      | <i>Spot SF-600E1</i>                                             | Win95 V950B                                                                                              | Pass   |                             |
| Tape                         | <i>lomega IO3020</i>                                             | Win95 V950B                                                                                              | Pass   |                             |
| Zip                          | <i>lomega Z100P2</i>                                             | Win95 V950B                                                                                              | Pass   |                             |
| <b>USB Devices</b>           |                                                                  |                                                                                                          |        |                             |
| Type                         | Model                                                            | O.S. Environment                                                                                         | Status | Remark/Special Setting      |
| Camera                       | <i>Kodak DVC-300</i>                                             | Win95 V950B                                                                                              | Pass   |                             |
| Keyboard                     | <i>Chicony KU-8933</i>                                           | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Cypress FDA-104U</i>                                          | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Sillitek SK-6000</i>                                          | MS-DOS V6.22<br>Win95 V950B                                                                              | Pass   |                             |
|                              | <i>Solid ACK-210</i>                                             | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
| Loop Back                    | <i>USB HPT Host Production Tester</i>                            | MS-DOS V6.22                                                                                             | Pass   |                             |
| Hub                          | <i>Catc U-HUB-AN1</i>                                            | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Unixlab UT-USB41</i>                                          | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
| Mouse                        | <i>Anchor USB Mouse</i>                                          | Win95 V950B<br>Win98 RC-1 1721.3                                                                         | Pass   |                             |
|                              | <i>Cypress FDM-A50</i>                                           | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Dexin A2U800A</i>                                             | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Genius NICHE USB</i>                                          | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Microsoft MOUSE 2900</i>                                      | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Microsoft USB IntelliMouse</i>                                | Win98 RC-1 1721.3                                                                                        | Pass   |                             |
|                              | <i>Logitech USB Mouse</i>                                        | Win95 V950B<br>Win98 RC-1 1721.3                                                                         | Pass   |                             |

| <b>IR Devices</b>   |                          |                                  |        |                        |
|---------------------|--------------------------|----------------------------------|--------|------------------------|
| Type                | Model                    | O.S. Environment                 | Status | Remark/Special Setting |
| IR Connector        | ASUSTeK Infrared Device  | Win95 V950B<br>Win98 RC-1 1721.3 | Pass   |                        |
|                     | ACTiSYS ACT-IR2000L      | Win95 V950B<br>Win98 RC-1 1721.3 | Pass   |                        |
|                     | Vitex IRJet5000          | Win95 V950B<br>Win98 RC-1 1721.3 | Pass   |                        |
| <b>IDE Devices</b>  |                          |                                  |        |                        |
| Type                | Model                    | O.S. Environment                 | Status | Remark/Special Setting |
| LS-120              | Mitsubishi MF357G-111MA  | Win95 V950B                      | Pass   |                        |
|                     | O.R. Technology FD-3120A | Win95 V950B                      | Pass   |                        |
| M.O.                | Fujitsu M2541BE02        | Win95 V950B                      | Pass   |                        |
| Zip                 | lomega Z100ATAPI         | Win95 V950B                      | Pass   |                        |
|                     | lomega Z100 iDE          | Win95 V950B                      | Pass   |                        |
|                     | Panasonic JU-811E01      | Win95 V950B                      | Pass   |                        |
| <b>SCSI Devices</b> |                          |                                  |        |                        |
| Type                | Model                    | O.S. Environment                 | Status | Remark/Special Setting |
| M.O.                | Fujitsu M2513S2B         | OS/2 WARP V4.0                   | Pass   |                        |
|                     | Mitsubishi MCA640        | OS/2 WARP V4.0                   | Pass   |                        |
| Removable HDD       | lomega V1000Si JAZ       | WFWG V3.11                       | Pass   |                        |
| Zip                 | lomega Z100S2            | WFWG V3.11                       | Pass   |                        |
|                     | lomega Z100Si            | Win95 V950B<br>WFWG V3.11        | Pass   |                        |

## 2. System BIOS Test

### 2.1 System CMOS Setup

| <b>System BIOS Test</b>  |                                      |                             |                                        |
|--------------------------|--------------------------------------|-----------------------------|----------------------------------------|
| Test Item                |                                      | Status                      | Remark/Special Setting                 |
| CMOS Setup Utility       | Load BIOS Default                    | Pass                        |                                        |
|                          | Load Setup Default                   | Pass                        |                                        |
|                          | Supervisor Password                  | Pass                        |                                        |
|                          | User Password                        | Pass                        |                                        |
|                          | Save & Exit Setup                    | Pass                        |                                        |
|                          | Exit Without Saving                  | Pass                        |                                        |
| Standard CMOS Setup Test | Sign-On message and BIOS Information | Pass<br>Refer to Part E 1.1 |                                        |
|                          | POST error detection message test    | Pass                        |                                        |
|                          | System Date and Time                 | Pass                        | Over 2000 years (BIOS/DOS/WIN95)       |
|                          | Diskette A: / B:                     | Pass                        | None / 1.2M / 1.44 MB / 3 Mode support |
|                          | Hard Disk Drive                      | Pass                        | HDD Auto Detect / User Type / None     |
|                          | Video System                         | Pass                        | EGA / VGA, MONO                        |
|                          | System Memory                        | Pass                        |                                        |
|                          | Extended Memory                      | Pass                        |                                        |
| BIOS Features Setup      | Boot Virus Detection                 | Pass                        | Enabled / Disabled                     |
|                          | CPU Level 1 Cache                    | Pass                        | Enabled / Disabled                     |
|                          | CPU Level 2 Cache                    | Pass                        | Enabled / Disabled                     |
|                          | CPU Level 2 Cache ECC Check          | Pass                        | Enabled / Disabled                     |
|                          | Quick Power On Self Test             | Pass                        | Enabled / Disabled                     |
|                          | System Security Option               | Pass                        | System / Setup                         |
|                          | PS/2 Mouse Function Control          | Pass                        | Auto / Enabled                         |
|                          | Boot Up NumLock status               | Pass                        | On / Off                               |

|                               |                        |      |                                                   |
|-------------------------------|------------------------|------|---------------------------------------------------|
| <b>Chipset Features Setup</b> | Memory Hole At 15M-16M | Pass | Disabled / Enabled                                |
|                               | Data Integrity Mode    | Pass | ECC / Non-ECC / EC-Only                           |
|                               | Onboard FDC Controller | Pass | Enabled / Disabled                                |
|                               | Onboard FDC Swap A & B | Pass | No Swap / Swap AB                                 |
|                               | Onboard Serial Port 1  | Pass | Disabled, 3F8HIRQ4, 2F8HIRQ3, 3E8HIRQ4, 2E8HIRQ10 |
|                               | Onboard Serial Port 2  | Pass | Disabled, 3F8HIRQ4, 2F8HIRQ3, 3E8HIRQ4, 2E8HIRQ10 |
|                               | Onboard Parallel Port  | Pass | Disabled, 378H/IRQ7, 278H/IRQ5, 3BCH/IRQ7         |
|                               | Parallel Port Mode     | Pass | ECP+EPP, EPP, ECP, Normal                         |
|                               | ECP DMA Select         | Pass | 1, 3, Disabled                                    |
|                               | Onboard PCI IDE Enable | Pass | Both / Primary / Secondary / Disabled             |
| <b>PNP AND PCI SETUP</b>      | Slot IRQ               | Pass | Auto / NA / Manual                                |
|                               | IRQ Used By ISA        | Pass | No/ICU, Yes                                       |
|                               | DMA Used By ISA        | Pass | No/ICU, Yes                                       |
|                               | Onboard AHA BIOS       | Pass | Auto / Disabled                                   |

## 2.2 Boot Sequence Test

| <b>SCSI / IDE HDD Sequence Test</b> |                                                                         |                                      |                   |                 |        |
|-------------------------------------|-------------------------------------------------------------------------|--------------------------------------|-------------------|-----------------|--------|
| Boot device.                        | SCSI Device                                                             | IDE Device                           | O.S. Environment  | Status          | Remark |
| <b>IDE</b>                          | On-board AIC-7890AB<br>Fujitsu M2952QAU                                 | IBM DHEA-36480                       | Win98 RC-1 1721.3 | Pass            |        |
| <b>SCSI without<br/>ASPI8U2.SYS</b> | On-board AIC-7890AB<br>Seagate ST32155W                                 | IBM DHEA-36480                       | MS-DOS V6.22      | Pass            |        |
| <b>SCSI with<br/>ASPIU2.SYS</b>     | On-board AIC-7890AB<br>Seagate ST32155W                                 | IBM DHEA-36480                       | MS-DOS V6.22      | Pass            |        |
| <b>SCSI without<br/>ASPI8XX.SYS</b> | ASUS PCI-SC875<br>Seagate ST32155W                                      | IBM DHEA-36480                       | MS-DOS V6.22      | Pass            |        |
| <b>SCSI with<br/>ASPI8XX.SYS</b>    | ASUS PCI-SC875<br>Seagate ST32155W                                      | IBM DHEA-36480                       | MS-DOS V6.22      | Pass            |        |
| <b>Boot Sequence Test</b>           |                                                                         |                                      |                   |                 |        |
| Type                                | Peripheral Device                                                       | O.S. Environment                     | Status            | Features Tested |        |
| <b>A , C</b>                        | IBM DHEA-36480                                                          | Win95 V950B                          | Pass              |                 |        |
| <b>C , A</b>                        | IBM DHEA-36480                                                          | Win95 V950B                          | Pass              |                 |        |
| <b>A , CDROM , C</b>                | Maxtor 83500D4<br>ASUS CD-S400                                          | NT WKS V4.0<br>(Chinese-Traditional) | Pass              |                 |        |
| <b>CDROM , C , A</b>                | Maxtor 83500D4<br>ASUS CD-S400                                          | NT WKS V4.0<br>(Chinese-Traditional) | Pass              |                 |        |
| <b>D , A</b>                        | Maxtor 88400D8<br>Maxtor 84000A6                                        | OS/2 WARP V4.0                       | Pass              |                 |        |
| <b>E , A</b>                        | Maxtor 88400D8<br>Maxtor 84000A6<br>IBM DHEA-36480                      | Win98 RC-1 1721.3                    | Pass              |                 |        |
| <b>F , A</b>                        | Maxtor 88400D8<br>Maxtor 84000A6<br>IBM DHEA-36480<br>Fujitsu MPA3017AT | NT WKS V4.0<br>(Chinese-Traditional) | Pass              |                 |        |
| <b>C Only</b>                       | IBM DHEA-36480                                                          | Win95 V950B                          | Pass              |                 |        |
| <b>LS/ZIP , C</b>                   | IBM DHEA-36480<br>Mitsubishi<br>MF357G-111MA                            | Win95 V950B                          | Pass              |                 |        |
|                                     | IBM DHEA-36480<br>Iomega Z100ATAPI                                      | Win98 RC-1 1721.3                    | Pass              |                 |        |

## 2.3 Power Management Measurement

| <b>Power Management Test</b>  |                           |                   |                  |        |                               |
|-------------------------------|---------------------------|-------------------|------------------|--------|-------------------------------|
| Type                          | Test Item                 | Peripheral Device | O.S. Environment | Status | Features Tested               |
| <b>Power Management</b>       | Disable                   | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
|                               | User Define               | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
|                               | Min Saving                | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
|                               | Max Saving                | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
| <b>PM Timers</b>              | HDD Power Down            | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
|                               | Suspend Mode              | IBM DHEA-36480    | Win95 V950B      | Pass   |                               |
| <b>PWR Button &lt; 4 Secs</b> | Suspend                   | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
|                               | Soft Off                  | IBM DHEA-36480    | MS-DOS V6.22     | Pass   |                               |
|                               | No Function               | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
| <b>PWR Button &gt; 4 Secs</b> | Soft Off                  | IBM DHEA-36480    | MS-DOS V6.22     | Pass   |                               |
| <b>PWR Up On Modem Act</b>    | Enable                    | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
|                               | Disable                   | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
| <b>AC PWR Loss Restart</b>    | Enabled                   | IBM DHEA-36480    | MS-DOS V6.22     | Pass   |                               |
|                               | Disabled                  | IBM DHEA-36480    | MS-DOS V6.22     | Pass   |                               |
| <b>Automatic Power Up</b>     | Disabled                  | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
|                               | Everyday                  | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
|                               | By Date                   | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
| <b>Wake on Lan</b>            | Enabled                   | Maxtor 85250D6    | NT WKS V4.0      | Pass   |                               |
|                               | Disabled                  | Maxtor 85250D6    | NT WKS V4.0      | Pass   |                               |
| <b>Wake on Keyboard</b>       | Enabled                   | Maxtor 83500D4    | Win95 V950B      | Pass   | Power up on Keyboard Act.     |
|                               | Disabled                  | Maxtor 83500D4    | Win95 V950B      | Pass   |                               |
| <b>SMI Jumper</b>             | Enabled Power Management  | Maxtor 83500D4    | Win95 V950B      | Pass   | The power LED must blink.     |
|                               | Disabled Power Management | Maxtor 83500D4    | Win95 V950B      | Pass   | The power LED must not blink. |
| <b>Power LED</b>              | Normal Mode               | Maxtor 83500D4    | Win95 V950B      | Pass   | The power LED must not blink. |
|                               | Suspend Mode              | Maxtor 83500D4    | Win95 V950B      | Pass   | The power LED must blink.     |
| <b>Fan Monitor</b>            | Chassis Fan Speed         | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | CPU Fan Speed             | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | Power Fan Speed           | Maxtor 83500D4    | CMOS             | Pass   |                               |
| <b>Thermal Monitor</b>        | MB Temperature            | Maxtor 83500D4    | CMOS             | Pass   |                               |
| <b>Voltage Monitor</b>        | VCORE Voltage             | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | +3.3V Voltage             | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | +5V Voltage               | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | +12V Voltage              | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | -12V Voltage              | Maxtor 83500D4    | CMOS             | Pass   |                               |
|                               | -5V Voltage               | Maxtor 83500D4    | CMOS             | Pass   |                               |

## 3. System Utility Test

| <b>System Utility</b> |         |           |                  |        |                                 |
|-----------------------|---------|-----------|------------------|--------|---------------------------------|
| Package Name          | Version | Publisher | O.S. Environment | Status | Remark/Special Setting          |
| <b>CBROM Utility</b>  | V1.12   | Award     | MS-DOS V6.22     | Pass   | Changing EPA/ FULL screen logo. |
| <b>AFLASH Utility</b> | V1.0    | ASUSTeK   | MS-DOS V6.22     | Pass   | Flash a new BIOS.               |
| <b>RTCSWTST</b>       | V1.0    | ASUSTeK   | MS-DOS V6.22     | Pass   | Power On/Off test.              |
| <b>TXPATCH</b>        | V1.0    | Intel     | Win95 V950B      | Pass   |                                 |

| LDCM                                                 |                                                  |                                                 |                                                |                                           |                                                                                                                                                |                                     |
|------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Package Name                                         | Version                                          | Publisher                                       | O.S. Environment                               | Status                                    | Remark/Special Setting                                                                                                                         |                                     |
| LAN Desk Local Manager for WIN95                     | V3.12                                            | Intel                                           | Win95 V950B                                    | Pass<br>Refer to Part E 2.1               | Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine.                                             |                                     |
| LAN Desk Local Manager for WINNT                     | V3.12                                            | Intel                                           | NT WKS V4.0                                    | Pass<br>Refer to Part E 2.2               | Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine.                                             |                                     |
| LAN Desk Administrator for WIN95                     | V3.12                                            | Intel                                           | Win95 V950B                                    | Pass<br>Refer to Part E 2.1               | Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine and other workstation through the workgroup. |                                     |
| LAN Desk Administrator for WINNT                     | V3.12                                            | Intel                                           | NT WKS V4.0                                    | Pass<br>Refer to Part E 2.2               | Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine and other workstation through the workgroup. |                                     |
| BusMaster Driver                                     |                                                  |                                                 |                                                |                                           |                                                                                                                                                |                                     |
| Card Type                                            | Primary IDE                                      |                                                 | Secondary IDE                                  |                                           | O.S. Environment                                                                                                                               | Status                              |
|                                                      | H.D.D./CD-ROM (Mode/Speed)                       | M/S                                             | H.D.D./CD-ROM (Mode/Speed)                     | M/S                                       |                                                                                                                                                |                                     |
| WIN95<br>Driver Version:<br>V3.01                    | Fujitsu MPA3026AT (4)<br>Fujitsu MPA3017AT (4)   | M<br>S                                          | AOpen CD936E (36X)                             | M                                         | Win95 V950B                                                                                                                                    | Pass                                |
|                                                      | Maxtor 85250D6 (DMA33)<br>Iomega Z100ATAPI ZIP   | M<br>S                                          | ASUS CD-S400 (40X)                             | M                                         | Win95 V950B                                                                                                                                    | Pass                                |
|                                                      | Quantum ST3240AT (DMA33)                         | M                                               | Philips PCA203CD (20X)                         | M                                         | Win95 V950B                                                                                                                                    | Pass                                |
|                                                      | Seagate ST33232A (DMA33)<br>Sony CDU611 (24X)    | M<br>S                                          | Micropolis 4525A (4)<br>Seagate ST51270A (4)   | M<br>S                                    | Win95 V950B<br>(Chinese-Simplified)                                                                                                            | Pass                                |
|                                                      | Seagate ST36451A (DMA33)                         | M                                               | Cyber 160D (16X)                               | M                                         | Win95 V950B                                                                                                                                    | Fail<br>Refer to PART E 2.3         |
|                                                      | WD AC36400 (DMA33)<br>IBM DCAA-33610 (4)         | M<br>S                                          | Sony CDU571 (16X)<br>Maxtor 83062A7 (4)        | M<br>S                                    | Win95 V950B                                                                                                                                    | Pass                                |
|                                                      | WINNT<br>Driver Version:<br>V1.67                | Fujitsu MPB3052AT (DMA33)                       | M                                              | Quantum BF2550AT (4)<br>Acer CD632A (32X) | M<br>S                                                                                                                                         | NT WKS V4.0<br>(Chinese-Simplified) |
| Maxtor 83062A7 (4)<br>IBM DJAA-31700 (4)             |                                                  | M<br>S                                          | Philips PCA203CD (20X)                         | M                                         | NT WKS V4.0<br>(Chinese-Trad.)                                                                                                                 | Pass                                |
| Fujitsu M1636TAU (4)<br>Teac CD-524E (24X)           |                                                  | M<br>S                                          | None                                           |                                           | NT Server V4.0                                                                                                                                 | Pass                                |
| Maxtor 85250D6 (DMA33)                               |                                                  | M                                               | ASUS CD-S340 (34X)                             | M                                         | NT WKS V4.0                                                                                                                                    | Pass                                |
| WD AC36400 (DMA33)                                   |                                                  | M                                               | Sony CDU711 (24X)                              | M                                         | NT Server V4.0                                                                                                                                 | Pass                                |
| OS/2 WARP<br>Connect V3.0<br>Driver Version:<br>V1.3 |                                                  | Fujitsu MPB3021AT (DMA33)<br>IBM DAQA-32160 (4) | M<br>S                                         | WD AC12100 (DMA33)<br>Teac CD-516E (16X)  | M<br>S                                                                                                                                         | OS/2 WARP<br>Connect V3.0           |
|                                                      | Fujitsu MPA3017AT (4)<br>WD AC12100 (DMA33)      | M<br>S                                          | Sony CDU571 (16X)<br>Quantum TX4000AT (DMA33)  | M<br>S                                    | OS/2 WARP<br>Connect V3.0                                                                                                                      | Pass                                |
|                                                      | Quantum TM2110AT (4)<br>Samsung VG33402A (DMA33) | M<br>S                                          | Fujitsu MPA3017AT (4)<br>Funai E2950UA (16X)   | M<br>S                                    | OS/2 WARP<br>Connect V3.0                                                                                                                      | Pass                                |
|                                                      | Seagate ST32531A (4)<br>WD AC23200 (DMA33)       | M<br>S                                          | Quantum TX4000AT (DMA33)<br>Teac CD-524E (24X) | M<br>S                                    | OS/2 WARP<br>Connect V3.0                                                                                                                      | Pass                                |
|                                                      | Seagate ST33232A (DMA33)<br>Quantum TM2110AT (4) | M<br>S                                          | WD AC23200 (DAM33)<br>BTC BCD24X (24X)         | M<br>S                                    | OS/2 WARP<br>Connect V3.0                                                                                                                      | Pass                                |
|                                                      |                                                  |                                                 |                                                |                                           |                                                                                                                                                |                                     |
|                                                      |                                                  |                                                 |                                                |                                           |                                                                                                                                                |                                     |

#### 4. System Diagnostic & Certification Test

| <b>System Diagnostics</b>  |         |            |                  |        |                        |
|----------------------------|---------|------------|------------------|--------|------------------------|
| Package Name               | Version | Publisher  | O.S. Environment | Status | Remark/Special Setting |
| <b>Checkit</b>             | V5.0    | Touchstone | Win95 V950B      | Pass   | Execute all Test item. |
| <b>Professional Qaplus</b> | V5.49   | Diagsoft   | MS-DOS V6.22     | Pass   | Execute all Test item. |
| <b>Qaplus/FE</b>           | V5.51   | Diagsoft   | MS-DOS V6.22     | Pass   | Execute all Test item. |
| <b>Qaplus/win</b>          | V7.1    | Diagsoft   | Win95 V950B      | Pass   | Execute all Test item. |

| <b>System Certification</b> |
|-----------------------------|
|-----------------------------|

| Package Name          | Version | Publisher | O.S. Environment  | Status                            | Remark/Special Setting                                                              |
|-----------------------|---------|-----------|-------------------|-----------------------------------|-------------------------------------------------------------------------------------|
| <b>Win95 HCT</b>      | V7.2    | Microsoft | Win95 V950B       | Fail<br>Refer to<br>PART E<br>1.2 | Execute all test item.                                                              |
| <b>Win98 HCT</b>      | V7.2    | Microsoft | Win98 RC-1 1721.3 | Fail<br>Refer to<br>PART E<br>1.3 | Execute System Test.                                                                |
| <b>Windows NT HCT</b> | V7.2    | Microsoft | Windows NT 4.0    | Pass                              | Execute System Test.                                                                |
| <b>OS/2 Warp CTK</b>  | V4.0    | IBM       | OS/2 Warp V4.0    | Fail<br>Refer to<br>PART E<br>1.4 | Run every test items.                                                               |
| <b>Solaris HCT</b>    | V3.19   | Sunsoft   | Solaris V2.6      | Pass                              | Stress Tests: Disk, Floppy, System Memory, Keyboard, Mouse, CD-ROM, Network, Video. |

## 5. Field (stress) Test

| Test Type             | Checkit V5.0                                                                                                                                                                    |                 |                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Configuration</b>  | Intel Pentium II-400 + 128MB(SDRAM 16MB * 2 + 32MB + 64MB) + 512KB(Internal) + On-board IDE + IBM DHEA-36480 + Hitachi CDR-8430 CD-ROM + ASUS AGP-V264GT3 + Logitech PS/2 Mouse |                 |                 |
|                       | Plug LoopBack                                                                                                                                                                   |                 |                 |
| <b>Test Procedure</b> | Running Drivers, Memory, Motherboard, Ports, Video test item.                                                                                                                   |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                     | <b>Duration</b> | <b>18 Hours</b> |
| Test Type             | QAPlus/FE V5.51                                                                                                                                                                 |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 + 64MB(SDRAM 64MB) + 512KB(Inteernal) + On-board IDE + IBM DHEA-36480 + Hitachi CDR-8430 CD-ROM + ASUS AGP-V264GT3 + Logitech PS/2 Mouse                   |                 |                 |
|                       | Plug LoopBack                                                                                                                                                                   |                 |                 |
| <b>Test Procedure</b> | Running System Board, Memory, Video, Multimedia, Hard Drives, Floppy Drives, Memory, COM Port, Printer, Mouse, Keyboard.                                                        |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                     | <b>Duration</b> | <b>80 Hours</b> |

## PART B. OPERATING SYSTEM ENVIRONMENT TEST

### 1. DOS / Windows Operating System Test

#### 1.1 Software Compatibility Test

##### 1.1.1 Operating System Compatibility

| O.S. Name                               | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                            |
|-----------------------------------------|---------|-----------|--------|----------------------------------------------------------------------------------------------------------------------------|
| MS-DOS                                  | V6.22   | Microsoft | Pass   | On-board AIC-7890AB + Quantum HN2275SW + NEC CDR-1810A CD-ROM + ASUS AGP-V3000                                             |
| MS-DOS/V (Japanese)                     | V6.2    | Microsoft | Pass   | AdvanSys ABP-940U + Micropolis 4341NS + Toshiba XM-6201B CD-ROM + ASUS AGP-V264GT3                                         |
| Microsoft Windows for Workgroup         | V3.11   | Microsoft | Pass   | On-board AIC-7890AB + Quantum HN2275SW + NEC CDR-1810A CD-ROM + ASUS AGP-V3000 + 3COM 3C905TX + Logitech First Mouse Super |
| Microsoft Windows (Chinese-Traditional) | V3.1    | Microsoft | Pass   | On-board IDE + WD AC12100 + IBM DAQA-32160 + ASUS CD-S340 CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super             |
| Microsoft Windows (Chinese-Simplified)  | V3.2    | Microsoft | Pass   | On-board IDE + IBM DCAA-34330 + Maxtor 88400D8 + Sony CDU611 CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super          |
| Microsoft Windows (Japanese)            | V3.1    | Microsoft | Pass   | AdvanSys ABP-940U + Micropolis 4341NS + Toshiba XM-6201B CD-ROM + ASUS AGP-V264GT3 + Logitech First Mouse Super            |
| PC-DOS                                  | V7.0    | IBM       | Pass   | On-board IDE + Quantum TX8000AT + Quantum SE2100AT + Teac CD-532E CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super     |
| PC-DOS (Japanese)                       | V6.1    | IBM       | Pass   | Adaptec AHA-1542CF + Seagate ST19171N + Sony CDU625 CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                   |

##### 1.1.2 Application Software Compatibility

| MS-DOS Utilities                                      |         |               |                            |        |                                                                                                                             |
|-------------------------------------------------------|---------|---------------|----------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------|
| Package Name                                          | Version | Publisher     | O.S. Environment           | Status | Features Tested                                                                                                             |
| EMM386.EXE                                            | V6.22   | Microsoft     | MS-DOS V6.22               | Pass   | Add DEVICE=HIMEM.SYS & DEVICE=EMM386.EXE RAM to CONFIG.SYS.                                                                 |
| HIMEM.SYS                                             | V6.22   | Microsoft     | MS-DOS V6.22<br>WFWG V3.11 | Pass   | Add DEVICE=HIMEM.SYS & DOS=HIGH to CONFIG.SYS; Run windows.                                                                 |
| KEYB                                                  | V6.22   | Microsoft     | MS-DOS V6.22               | Pass   | Use KEYB to swap keyboard codepage from US to GR and FR ... and keyin character, then change to US keyboard codepage again. |
| MS-DOS Utilities                                      | V6.22   | Microsoft     | MS-DOS V6.22               | Pass   | Test MEMMAKER, DRVSPACE, DEFRAG, MSD .... etc.                                                                              |
| RAMDRIVE.SYS                                          | V3.07   | Microsoft     | MS-DOS V6.22               | Pass   | Create 2 MB RAM drive in extended memory; Copy, compare, delete files on virtual drives.                                    |
| Presentation Applications                             |         |               |                            |        |                                                                                                                             |
| Package Name                                          | Version | Publisher     | O.S. Environment           | Status | Features Tested                                                                                                             |
| Graphic Impact                                        | V2.0    | Autodesk      | WFWG V3.11                 | Pass   | Run G1 demo1 & G1 demo 2.                                                                                                   |
| Graphics / Image Processing / Multimedia Applications |         |               |                            |        |                                                                                                                             |
| Package Name                                          | Version | Publisher     | O.S. Environment           | Status | Features Tested                                                                                                             |
| Adobe Photoshop                                       | V4.0    | Adobe         | WFWG V3.11                 | Pass   | Load different file format (.jpg, .tga...) and edit effect.                                                                 |
| Image Pals                                            | V2.0    | U-Lead        | WFWG V3.11                 | Pass   | Load Image files and Edit Collect Image files into album and do the slide show.                                             |
| Utilities & Tools                                     |         |               |                            |        |                                                                                                                             |
| Package Name                                          | Version | Publisher     | O.S. Environment           | Status | Features Tested                                                                                                             |
| 386 MAX                                               | V8.0    | Qualitas      | MS-DOS V6.22               | Pass   | Install, Optimize Upper memory.                                                                                             |
| EZ-SCSI                                               | V4.00E  | Adaptec       | WFWG V3.11                 | Pass   | Install ASPI drivers from FDD/HDD with corresponding Adaptec SCSI adapter in DOS/WIN environment & test functions.          |
| Norton Commander                                      | V5.0    | Symantec      | MS-DOS V6.22               | Pass   | Use the TSR utility to do copy, delete files.                                                                               |
| Norton Utility                                        | V8.0    | Symantec      | MS-DOS V6.22               | Pass   | Execute its utility such as: FileFind, Norton Disk Doctor.                                                                  |
| PC-Tools for DOS                                      | R9.0    | Central Point | MS-DOS V6.22               | Pass   | Execute its utility such as: FileFind, Disk Format.                                                                         |

| <b>Programming Language / Compiler</b>              |              |                     |                  |        |                                                                                                      |
|-----------------------------------------------------|--------------|---------------------|------------------|--------|------------------------------------------------------------------------------------------------------|
| Package Name                                        | Version      | Publisher           | O.S. Environment | Status | Features Tested                                                                                      |
| <i>Turbo C</i>                                      | V2.0         | Borland             | MS-DOS V6.22     | Pass   | Load a program file, Compile, Link, and Run this program.                                            |
| <i>Turbo Pascal</i>                                 | V7.0         | Borland             | MS-DOS V6.22     | Pass   | Load a program file, Compile, Link, and Run this program.                                            |
| <b>CAD &amp; DTP / Mathematics &amp; Statistics</b> |              |                     |                  |        |                                                                                                      |
| Package Name                                        | Version      | Publisher           | O.S. Environment | Status | Features Tested                                                                                      |
| <i>AutoCAD</i>                                      | R13 C4a      | Autodesk            | MS-DOS V6.22     | Pass   | Open files, configure high resolution driver, redraw, hide, zoom in/out render sample file (DHOUSE). |
| <i>Mathematica</i>                                  | V2.2 Enhance | Wolfram Research    | Win V3.11        | Pass   | Install software, write a function call.                                                             |
| <i>MicroStation</i>                                 | V5.0         | Bentley System Inc. | MS-DOS V6.22     | Pass   | Open files, configure high resolution driver, redraw, hide, zoom in/out render sample file.          |

## 1.2 Hardware Compatibility Test

| IDE Controller        |                                                |                                    |                                                     |                                |                                   |        |
|-----------------------|------------------------------------------------|------------------------------------|-----------------------------------------------------|--------------------------------|-----------------------------------|--------|
| Card Type             | Primary IDE                                    |                                    | Secondary IDE                                       |                                | O.S. Environment                  | Status |
|                       | H.D.D./CD-ROM (Mode/Speed)                     | M/S                                | H.D.D./CD-ROM (Mode/Speed)                          | M/S                            |                                   |        |
| On-board IDE (PCI)    | Maxtor 86480D6 (DMA33)                         | M                                  | Micropolis 4525A (4)<br>Teac CD-516E (16X)          | M<br>S                         | WFWG V3.11                        | Pass   |
|                       | Quantum ST4320AT (DMA33)                       | M                                  | Seagate ST36450A (4)<br>Funai E2950UA (16X)         | M<br>S                         | Win V3.1<br>(Chinese-Traditional) | Pass   |
|                       | IBM DCAA-34330 (4)<br>Sony CDU611 (24X)        | M<br>S                             | Maxtor 88400D8 (DMA33)                              | M                              | Win V3.2<br>(Chinese-Simplified)  | Pass   |
|                       | WD AC12100 (DMA33)<br>ASUS CD-S340 (34X)       | M<br>S                             | IBM DAQA-32160 (4)                                  | M                              | Win V3.1<br>(Chinese-Traditional) | Pass   |
|                       | WD AC34000 (4)                                 | M                                  | Fujitsu MPB3032AT (DMA33)<br>Philips PCA243CD (24X) | M<br>S                         | WFWG V3.11                        | Pass   |
|                       | Quantum TX8000AT (DMA33)<br>Teac CD-532E (32X) | M<br>S                             | Quantum SE2100AT (DMA33)                            | M                              | PC-DOS V7.0                       | Pass   |
| SCSI Disk Controllers |                                                |                                    |                                                     |                                |                                   |        |
| Card Type             | Card Model                                     | H.D.D.                             | CD-ROM                                              | O.S. Environment               | Status                            |        |
| SCSI (ISA)            | Adaptec AHA-1542CF Rev.C (BIOS:V2.02)          | Seagate ST19171N                   | Sony CDU625                                         | PC-DOS V6.1 (Japanese)         | Pass                              |        |
| SCSI (PCI)            | On-board AIC-7890AB                            | Quantum HN2275SW                   | NEC CDR-1810A                                       | WFWG V3.11                     | Pass                              |        |
|                       | ASUS PCI-SC860 Rev.1.2 (BIOS:V4.03)            | IBM DCAS34330                      | Plextor PX-32TSi                                    | WFWG V3.11                     | Pass                              |        |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)            | Seagate ST19101W                   | Sony CDU625                                         | Win V3.1 (Chinese-Traditional) | Pass                              |        |
|                       | AdvanSys ABP-940U Rev. (BIOS:V2.8C)            | Micropolis 4341NS                  | Toshiba XM-6201B                                    | Win V3.1 (Japanese)            | Pass                              |        |
| Graphic Adapters      |                                                |                                    |                                                     |                                |                                   |        |
| Card Type             | Card Model                                     | Peripheral Device                  | O.S. Environment                                    | Status                         | Remark                            |        |
| VGA (PCI)             | ASUS AGP-V264GT3 Rev. 1.02 (BIOS:3.071)        | On-board IDE<br>Maxtor 86480D6     | WFWG V3.11                                          | Pass                           | ATI 3D RAGE PRO AGP 2X            |        |
|                       | ASUS AGP-V3000 Rev. 1.02 (BIOS:1.51B)          | ASUS PCI-SC875<br>Seagate ST19101W | Win V3.1 (Chinese-Traditional)                      | Pass                           | STG3000                           |        |
|                       | ASUS AGP-V385GX2 Rev. 1.00 (BIOS:2.16.13)      | On-board IDE<br>WD AC35100         | WFWG V3.11                                          | Pass                           | S3 ViRGE/GX2                      |        |
| Multimedia Kit        |                                                |                                    |                                                     |                                |                                   |        |
| Card Type             | Card Model                                     | Peripheral Device                  | O.S. Environment                                    | Status                         | Remark                            |        |
| Sound Card            | Aopen AW32-3D                                  | ASUS PCI-SC875<br>Seagate ST19101W | Win V3.1 (Chinese-Traditional)                      | Pass                           |                                   |        |
|                       | ASUS I-A16C Rev.1.2                            | On-board IDE<br>Maxtor 86480D6     | WFWG V3.11                                          | Pass                           |                                   |        |
|                       | T.C. Star ATC931 Rev.A                         | On-board IDE<br>WD AC35100         | WFWG V3.11                                          | Pass                           |                                   |        |

| Multimedia Kit      |                                          |                                                |      |  |                                   |        |        |
|---------------------|------------------------------------------|------------------------------------------------|------|--|-----------------------------------|--------|--------|
| Card Type           | Card Model                               | Peripheral Device                              |      |  | O.S. Environment                  | Status | Remark |
| MPEG Card           | Acer DCS P531<br>MPEG Player             | On-board IDE<br>WD AC12100                     |      |  | Win V3.1<br>(Chinese-Traditional) | Pass   |        |
| Ethernet Adapters   |                                          |                                                |      |  |                                   |        |        |
| Card Type           | Card Model                               | Configurations:<br>IRQ    Port    Addr.    DMA |      |  | O.S. Environment                  | Status | Remark |
| Ethernet (ISA)      | Cnet 288PnP<br>Rev.A (Plug and Play)     | 5                                              | 300  |  | WFWG V3.11                        | Pass   |        |
|                     | D-Link DE220PT<br>Rev.C1 (Plug and Play) | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Intel PCLA8205                           | 5                                              | 340  |  | WFWG V3.11                        | Pass   |        |
|                     | Novell NE2000Plus-3                      | 5                                              | 300  |  | WFWG V3.11                        | Pass   |        |
| Ethernet (PCI)      | ASUS PCI-DEC10-TB+<br>Rev.B1             | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | 3COM 3C900<br>Rev.                       | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Accton EN1208<br>Rev.01A                 | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Compaq NETFLEX-3/P<br>Rev.A              | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | D-Link DE-530CT+<br>Rev.A1               | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Intel PILA840X                           | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Proteon P1670-EA                         | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | SMC 8432BT<br>Rev.A                      | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Thomas-Conrad TC5048<br>Rev.A            | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
| 100BaseTx           | ASUS PCI-DEC100TX+<br>Rev.01             | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | 3COM 3C905TX<br>Rev.B                    | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Accton EN1207<br>Rev.01                  | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Digital DE500XA                          | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | D-Link DFE-500TX<br>Rev.B4               | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Intel PILA8465B                          | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | SMC 9332DST                              | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
| Token-Ring Adapters |                                          |                                                |      |  |                                   |        |        |
| Card Type           | Card Model                               | Configurations:<br>IRQ    Port    Addr.    DMA |      |  | O.S. Environment                  | Status | Remark |
| Token-Ring (ISA)    | D-Link DT-220<br>Rev.B1                  | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | IBM Auto 16/4 Adapter<br>(Plug and Play) | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Intel PCLA815X<br>(Plug and Play)        | 5                                              | 340  |  | WFWG V3.11                        | Pass   |        |
|                     | Olicom OC-3118<br>Rev.3 (Plug and Play)  | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
| Token-Ring (PCI)    | Proteon P1690                            | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |
|                     | Olicom OC-3870<br>Rev.4                  | Auto                                           | Auto |  | WFWG V3.11                        | Pass   |        |

| Modem Devices         |                            |                                |                                                    |                          |                          |
|-----------------------|----------------------------|--------------------------------|----------------------------------------------------|--------------------------|--------------------------|
| Type                  | Model                      | O.S. Environment               | Application                                        | Status                   | Remark / Specail Setting |
| Modems (Internal)     | Cardinal 28800 internal    | Win V3.1 (Chinese-Traditional) | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS               |
| Modems (External)     | Hayey Optima 288           | Win V3.1 (Chinese-Traditional) | Dial up Internet, Netscape Upload / Download files | Pass                     | 33,600 BPS               |
|                       | USRoboties Sportster Vi336 | Win V3.1 (Chinese-Traditional) | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS               |
| Removable HDD Devices |                            |                                |                                                    |                          |                          |
| Type                  | Model                      |                                | Status                                             | Remark / Special Setting |                          |
| SCSI                  | Fujitsu Dyna 640           | WFWG V3.11                     | Pass                                               |                          |                          |
| IDE                   | Fujitsu M2541BE02          | WFWG V3.11                     | Pass                                               |                          |                          |
| ZIP Devices           |                            |                                |                                                    |                          |                          |
| Type                  | Model                      | O.S. Environment               | Status                                             | Remark / Special Setting |                          |
| SCSI                  | lomega Z100S2              | WFWG V3.11                     | Pass                                               |                          |                          |
|                       | lomega V1000S JAZ          | WFWG V3.11                     | Pass                                               |                          |                          |
| IDE                   | lomega Z100 iDE            | WFWG V3.11                     | Pass                                               |                          |                          |

### 1.3 Field (stress) Test

| <b>Test Type</b>      | <b>Windows for Workgroup Integrate network access test</b>                                                                                                                                                |                 |                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Configuration</b>  | Intel Pentium II-350 + 48MB(SDRAM 16MB * 3) + 512KB(Internal) + On-board AIC-7890AB + Quantum HN2275SW + NEC CDR-1810A CD-ROM + ASUS AGP-V3000 + 3COM 3C900 + Logitech First Mouse Super                  |                 |                 |
|                       | 2 * Peers (Windows for Workgroup V3.11)                                                                                                                                                                   |                 |                 |
| <b>Test Procedure</b> | Run Multitasking in this PC and access other workstation resource from network environment.                                                                                                               |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                               | <b>Duration</b> | <b>16 Hours</b> |
| <b>Test Type</b>      | <b>Windows for Workgroup Integrate network access test</b>                                                                                                                                                |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 48MB(SDRAM 16MB * 3) + 512KB(Internal) + On-board IDE + Maxtor 86480D6 + Micropolis 4525A + Teac CD-516E CD-ROM + ASUS AGP-V264GT3 + D-Link DFE-500TX + Logitech First Mouse Super |                 |                 |
|                       | 1 * Peer (Windows for Workgroup V3.11)                                                                                                                                                                    |                 |                 |
|                       | 1 * Peer (Windows NT Server V4.0)                                                                                                                                                                         |                 |                 |
| <b>Test Procedure</b> | Run Multitasking in this PC and access other workstation resource from network environment.                                                                                                               |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                               | <b>Duration</b> | <b>15 Hours</b> |

## 2. Microsoft Windows 95 Operating System Test

### 2.1 Software Compatibility Test

#### 2.1.1 Operating System Compatibility

| O.S. Name                           | Version        | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                                                |
|-------------------------------------|----------------|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Windows 95                          | V950B          | Microsoft | Pass   | Adaptec AHA-1542CF + Quantum TM2110S + Teac CD-516S CD-ROM + ASUS AGP-V264GT3 + ASUS PCI-L101 + Microsoft Serial Mouse                         |
| Windows 95<br>(Chinese-Simplified)  | V950B          | Microsoft | Pass   | Adaptec AHA-2940UW + IBM DCAS-32160W + Panasonic CR-506-B CD-ROM + ASUS AGP-V264GT3 + 3COM 3C595TX + IBM Ethernet PCI + Microsoft Serial Mouse |
| Windows 95<br>(Chinese-Traditional) | V950B          | Microsoft | Pass   | Buslogic BT948 + Seagate ST19101N + Panasonic CR-506-B CD-ROM + ASUS AGP-V264GT3 + Cogent EM960 + Digital DE450AC + Microsoft Serial Mouse     |
| Windows 95<br>(German)              | V950B          | Microsoft | Pass   | On-board IDE + Fujitsu MPB3032AT + Pioneer DR-A24X CD-ROM + ASUS AGP-V3000 + ASUS I-A16C + Genius Serial Mouse                                 |
| Windows 95<br>(Japanese)            | V950B          | Microsoft | Pass   | On-board AIC-7890P + IBM DDRS-34560W + On-board IDE + Acer CD516E CD-ROM + ASUS AGP-V264GT3 + Microsoft Serial Mouse                           |
| Windows 98                          | RC-1<br>1721.3 | Microsoft | Pass   | On-board IDE + Fujitsu MPA3026AT + Fujitsu MPA3017AT + AOpen CD936E CD-ROM + Diamond Viper V330 + Turtle Beach Pinnacle + Genius Serial Mouse  |
| Windows 98<br>(Chinese-Traditional) | RC-1<br>1721.3 | Microsoft | Pass   | On-board IDE + IBM DHEA-34330 + ASUS CD-S340 CD-ROM + ASUS AGP-V385GX2 + Creative Sound Blaster AWE32 PnP + Genius Serial Mouse                |

#### 2.1.2 Application Software Compatibility

| Graphics / Image Processing / Multimedia Applications |               |             |                                      |        |                                                                                            |
|-------------------------------------------------------|---------------|-------------|--------------------------------------|--------|--------------------------------------------------------------------------------------------|
| Package Name                                          | Version       | Publisher   | O.S. Environment                     | Status | Features Tested                                                                            |
| ABC Graphics Suite                                    | V6.0          | Micrografx  | Win95 V950B                          | Pass   | Install from CD-ROM, and open sample files, edit, modify and save.                         |
| Corel Draw for windows                                | V8.0          | Corel       | Win95 V950B                          | Pass   | Using CorelPRESENT!, Corel DRAW!, draw / show demo picture.                                |
| Encarta 98                                            | 95<br>Edition | Microsoft   | Win95 V950B                          | Pass   | Install from CD-ROM, run and search data from database.                                    |
| Video Director                                        | V2.5          | Gold Disk   | Win95 V950B                          | Pass   | Install from CD-ROM, and using capture and image edition function.                         |
| Visio for windows                                     | V4.0          | VISIO       | Win95 V950B                          | Pass   | Install from CD-ROM, open files, edit & save files.                                        |
| Page Maker                                            | V6.5C         | Adobe       | Win95 V950B<br>(Chinese-Traditional) | Pass   | Install, open sample file and edit it.                                                     |
| Photoshop                                             | V4.0          | Adobe       | Win95 V950B                          | Pass   | Install, open sample file and edit it.                                                     |
| MetaTools Kais<br>Power GOO                           | V1.0          | MetaTools   | Win95 V950B                          | Pass   | Install, paint on sample photo in Goo Room and Fusion Room.                                |
| Database Applications                                 |               |             |                                      |        |                                                                                            |
| Package Name                                          | Version       | Publisher   | O.S. Environment                     | Status | Features Tested                                                                            |
| Delphi Desktop                                        | V3.0          | Borland     | Win95 V950B                          | Pass   | Load a program file, Compile, Link, and Run this program.                                  |
| Visual FoxPro                                         | V5.0          | Microsoft   | Win95 V950B                          | Pass   | Load a program file, Compile, Link, and Run this program.                                  |
| Utilities & Tools                                     |               |             |                                      |        |                                                                                            |
| Package Name                                          | Version       | Publisher   | O.S. Environment                     | Status | Features Tested                                                                            |
| ET2000 for Windows 95                                 | V5.1          | ETEN        | Win95 V950B<br>(Chinese-Traditional) | Pass   | Install from network and execute its utilities.                                            |
| Norton Antivirus                                      | V1.0          | Symantec    | Win95 V950B                          | Pass   | Install and execute virus scan.                                                            |
| Norton Navigator                                      | V1.0          | Symantec    | Win95 V950B                          | Pass   | Install and execute some features commands in desktop.                                     |
| Norton Utility for Windows 95                         | V1.0          | Symantec    | Win95 V950B                          | Pass   | Execute its utility such as: FileFind, Norton Disk Doctor, System Information.             |
| QEMM 97                                               | V9.0          | Quarterdeck | Win95 V950B                          | Pass   | Install, use Optimize to optimize memory, test Stealth function(Include ST:M & ST:F test). |

| <b>Integrate Applications / Project Management</b>  |                      |            |                                   |        |                                                                                                                                                   |
|-----------------------------------------------------|----------------------|------------|-----------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Package Name                                        | Version              | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                                                                   |
| <b>BookSelf</b>                                     | 95 Edition           | Microsoft  | Win95 V950B                       | Pass   | Install from CD-ROM, run and search data from its database.                                                                                       |
| <b>Corel WordPerfect</b>                            | V8.0                 | Corel      | Win95 V950B                       | Pass   | Install from CD-ROM and execute xxxxxxxx.                                                                                                         |
| <b>Lotus Smart Suite 98</b>                         | V1.0                 | Lotus      | Win95 V950B                       | Pass   | Install from CD-ROM and execute Freelance, Organizer, Word Pro 96, Approach, Lotus 1-2-3. Access application sample files open and save function. |
| <b>Office 95</b>                                    | Professional Edition | Microsoft  | Win95 V950B                       | Pass   | Install from CD-ROM and execute Powerpoint, Excel, Schedule Plus, Word, Access application sample files open and save function.                   |
| <b>Office 97</b>                                    | Professional Edition | Microsoft  | Win95 V950B                       | Pass   | Install from CD-ROM and execute Powerpoint, Excel, Schedule Plus, Word, Access application sample files open and save function.                   |
| <b>Project 98</b>                                   | V1.0                 | Microsoft  | Win95 V950B                       | Pass   | Load a sample file, make organize project.                                                                                                        |
| <b>Windows95 PLUS!</b>                              | V1.0                 | Microsoft  | Win95 V950B                       | Pass   | Install from CD-ROM, and using Screen Saver, Themes change, Mouse Pointer and Events sound change function.                                       |
| <b>Windows95 PLUS! (Chinese-Traditional)</b>        | V1.0                 | Microsoft  | Win95 V950B (Chinese-Traditional) | Pass   | Install from CD-ROM, and using Screen Saver, Themes change, Mouse Pointer and Events sound change function.                                       |
| <b>WinHelp Office</b>                               | V1.0                 | Blue Sky   | Win95 V950B (Chinese-Traditional) | Pass   | Install applications suite, Load a Help file, Compiler a electronic help file.                                                                    |
| <b>Works</b>                                        | V4.0                 | Microsoft  | Win95 V950B                       | Pass   | Open database, spreadsheet, word processing file and edit.                                                                                        |
| <b>Works (Chinese-Traditional)</b>                  | V4.0                 | Microsoft  | Win95 V950B (Chinese-Traditional) | Pass   | Open database, spreadsheet, word processing file and edit.                                                                                        |
| <b>Programming Language / Compiler</b>              |                      |            |                                   |        |                                                                                                                                                   |
| Package Name                                        | Version              | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                                                                   |
| <b>Visual Basic</b>                                 | V5.0                 | Microsoft  | Win95 V950B                       | Pass   | Load a program file, Compile, Link, and Run this program.                                                                                         |
| <b>Visual C++</b>                                   | V5.0                 | Microsoft  | Win95 V950B                       | Pass   | Load a program file, Compile, Link, and Run this program.                                                                                         |
| <b>CAD &amp; DTP / Mathematics &amp; Statistics</b> |                      |            |                                   |        |                                                                                                                                                   |
| Package Name                                        | Version              | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                                                                   |
| <b>3D Studio MAX</b>                                | V1.2                 | Autodesk   | Win95 V950B                       | Pass   | Install from CD-ROM, open existing 3D Studio MAX scene, play animation, create object, edit & render the scene.                                   |
| <b>AutoCAD for Windows95</b>                        | R14                  | Autodesk   | Win95 V950B                       | Pass   | Install from CD-ROM, open existing 3D scene, play animation, create object, edit & render the scene.                                              |
| <b>AutoCAD for Windows95 (Chinese-Traditional)</b>  | R14                  | Autodesk   | Win95 V950B (Chinese-Traditional) | Pass   | Install from CD-ROM, open existing 3D scene, play animation, create object, edit & render the scene.                                              |
| <b>Extreme 3D</b>                                   | V1.0                 | Micromedia | Win95 V950B                       | Pass   | Install from CD-ROM, display demo film & pictures, open scene, edit and set Render, toggle Animation.                                             |
| <b>Communication / Remote Control / E-Mail</b>      |                      |            |                                   |        |                                                                                                                                                   |
| Package Name                                        | Version              | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                                                                   |
| <b>Windows 95 Fax</b>                               | V950                 | Microsoft  | Win95 V950B                       | Pass   | Send / Receive FAX Document.                                                                                                                      |
| <b>HTML Editor</b>                                  |                      |            |                                   |        |                                                                                                                                                   |
| Package Name                                        | Version              | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                                                                   |
| <b>FrontPage 98</b>                                 | 95 Edition           | Microsoft  | Win95 V950B                       | Pass   | Install from CD-ROM, and execute Editor, Explorer, TCP_IP Test, Administrator .etc.                                                               |

## 2.2 Hardware Compatibility Test

| <b>IDE Controller</b>     |                            |     |                            |     |                                         |        |
|---------------------------|----------------------------|-----|----------------------------|-----|-----------------------------------------|--------|
| Card Type                 | Primary IDE                |     | Secondary IDE              |     | O.S. Environment                        | Status |
|                           | H.D.D./CD-ROM (Mode/Speed) | M/S | H.D.D./CD-ROM (Mode/Speed) | M/S |                                         |        |
| <b>On-board IDE (PCI)</b> | Fujitsu MPA3026AT (4)      | M   | AOpen CD936E (36X)         | M   | Win98 RC-1 1721.3                       | Pass   |
|                           | Fujitsu MPA3017AT (4)      | S   |                            |     |                                         |        |
|                           | Fujitsu MPB3021AT (DMA33)  | M   | Funai E2950UA (16X)        | S   | Win95 V950B                             | Pass   |
|                           | Fujitsu MPB3032AT (DMA33)  | M   | Pioneer DR-A24X (24X)      | M   | Win95 V950B (German)                    | Pass   |
|                           | Fujitsu MPB3064AT (DMA33)  | M   | ASUS CD-S340 (34X)         | M   | Win95 V950B (Chinese-Simplified)        | Pass   |
|                           | WD WDAC33100 (4)           | S   | Quantum TM2110AT (4)       | S   |                                         |        |
|                           | IBM DCAA-34330 (4)         | M   | Maxtor 72004AP (4)         | M   | Win98 RC-0 1650 (Chinese-Traditional)   | Pass   |
|                           |                            |     | NEC CDR-1800A (24X)        | S   |                                         |        |
|                           | IBM DHEA-34330 (DMA33)     | M   | ASUS CD-S340 (34X)         | M   | Win98 RC-1 1721.3 (Chinese-Traditioanl) | Pass   |
|                           | Maxtor 83500D4 (DMA33)     |     |                            |     |                                         |        |
|                           | IBM DHEA-36480 (DMA33)     | M   | IBM DAQA-33240 (4)         | M   | Win98 RC-0 1691 (Chinese-Traditional)   | Pass   |
|                           | Hitachi CDR-8430 (32X)     | S   | Maxtor 85120A8 (4)         | S   |                                         |        |
|                           | Maxtor 82560D3 (DMA33)     | M   | IBM DHEA-38451 (DMA33)     | M   | Win95 V950B                             | Pass   |
|                           | Philips PCA163CD (16X)     | S   | WD WDAC31600 (4)           | S   | (Chinese-Traditional)                   |        |
|                           | Maxtor 85250D6 (DMA33)     | M   | ASUS CD-S400 (40X)         | M   | Win98 RC-1 1721.3                       | Pass   |
|                           | lomega Z100ATAPI ZIP       | S   |                            |     |                                         |        |
|                           | Maxtor 86480D6 (DMA33)     | M   | WD AC23200 (DMA33)         | M   | Win98 RC-0 1691 (Chinese-Traditional)   | Pass   |
|                           | Teac CD-532E (32X)         | S   | Maxtor 83062A7 (4)         | S   |                                         |        |
|                           | Micropolis 4525A (4)       | M   | NEC CDR-1900A (32X)        | M   | Win95 V950B (Japanese)                  | Pass   |
|                           |                            |     |                            |     |                                         |        |
|                           | NEC DSE2100A (4)           | M   | ASUS CD-S340 (34X)         | M   | Win98 RC-1 1721.3                       | Pass   |
|                           | Quantum SR1700AT (4)       | S   | Pioneer DR-A24X (24X)      | S   |                                         |        |
|                           | Quantum BF2550AT (4)       | M   | None                       |     | Win95 V950B                             | Pass   |
|                           | Panasonic CR-585-B (24X)   | S   |                            |     |                                         |        |
|                           | Quantum SE2100AT (DMA33)   | M   | Fujitsu MPB3052AT (DMA33)  | M   | Win95 V950B (Chinese-Traditional)       | Pass   |
|                           | Sony CDU711 (16X)          | S   | Seagate ST32132A (4)       | S   |                                         |        |
|                           | Quantum SE4300AT (DMA33)   | M   | Pioneer DR-A04S (32X)      | M   | Win95 V950B (Japanese)                  | Pass   |
|                           |                            |     |                            |     |                                         |        |
|                           | Quantum ST3240AT (DMA33)   | M   | Philips PCA203CD (20X)     | M   | Win95 V950B                             | Pass   |
|                           |                            |     |                            |     |                                         |        |
|                           | Quantum ST4320AT (DMA33)   | M   | ASUS CD-S400 (40X)         | M   | Win95 V950B                             | Pass   |
|                           |                            |     |                            |     |                                         |        |
|                           | Quantum TM3200AT (4)       | M   | Hitachi CDR8130 (18X)      | M   | Win95 V950B (Chinese-Simplified)        | Pass   |
|                           | Seagate ST52520A (4)       | S   |                            |     |                                         |        |
|                           | Quantum TX4000AT (DMA33)   | M   | Maxtor 83500A8 (4)         | M   | Win95 V950B                             | Pass   |
|                           | Acer CD616A (16X)          | S   | WD AC34000 (4)             | S   | (German)                                |        |
|                           | Samsung WNR-31601A (4)     | M   | NEC CDR-1800A (24X)        | M   | Win98 RC-1 1721.3                       | Pass   |
|                           | WD AC32500 (4)             | S   |                            |     |                                         |        |
|                           | Samsung VG33402A (DMA33)   | M   | IBM DAQA-32160 (4)         | M   | Win95 V950B                             | Pass   |
|                           | IBM DJAA-31700 (4)         | S   | Philips PCA243CD (24X)     | S   |                                         |        |
|                           | Seagate ST31277A (4)       | M   | None                       |     | Win98 RC-1 1721.3                       | Pass   |
|                           | Funai E2950UA (16X)        | S   |                            |     |                                         |        |
|                           | Seagate ST32122A (DMA33)   | M   | Quantum TM3840AT (4)       | M   | Win95 V950B (Chinese-Simplified)        | Pass   |
|                           | DCS C706A (16X)            | S   | WD AC12100 (DMA33)         | S   |                                         |        |
|                           | Seagate ST33232A (DMA33)   | M   | Micropolis 4525A (4)       | M   | Win95 V950B (Chinese-Simplified)        | Pass   |
|                           | Sony CDU611 (24X)          | S   | Seagate ST51270A (4)       | S   |                                         |        |
|                           | Seagate ST33240A (4)       | M   | ASUS CD-S340 (34X)         | S   | Win95 V950B                             | Pass   |
|                           | Seagate ST31720A (4)       | S   |                            |     |                                         |        |
|                           | Seagate ST36450A (4)       | M   | Seagate ST32531A (4)       | M   | Win95 V950B (German)                    | Pass   |
|                           | Maxtor 84000A6 (4)         | S   | Philips PCA323CD (32X)     | S   |                                         |        |
|                           | Seagate ST36451A (DMA33)   | M   | Philips PCA203CD (20X)     | M   | Win98 RC-1 1721.3 (Chinese-Traditioanl) | Pass   |
|                           |                            |     |                            |     |                                         |        |
|                           | WD AC35100 (DMA33)         | M   | None                       |     | Win95 V950B                             | Pass   |
|                           | ASUS CD-S400 (34X)         | S   |                            |     |                                         |        |
|                           | WD AC36400 (DMA33)         | M   | Sony CDU571 (16X)          | M   | Win95 V950B                             | Pass   |
|                           | IBM DCAA-33610 (4)         | S   | Maxtor 83062A7 (4)         | S   |                                         |        |

| SCSI Disk Controllers |                                             |                                      |                                         |                                        |                      |
|-----------------------|---------------------------------------------|--------------------------------------|-----------------------------------------|----------------------------------------|----------------------|
| Card Type             | Card Model                                  | H.D.D.                               | CD-ROM                                  | O.S. Environment                       | Status               |
| SCSI (ISA)            | Adaptec AHA-1530P Rev.C (BIOS:V1.03)        | NEC DSE2550S                         | Teac CD-516S                            | Win95 V950B (Chinese-Simplified)       | Pass                 |
|                       | Adaptec AHA-1542CF Rev.C (BIOS:V2.02)       | Quantum TM2110S                      | Teac CD-516S                            | Win95 V950B                            | Pass                 |
|                       | Adaptec AHA-1542CP Rev.B (BIOS:V1.02)       | Quantum TM3200S                      | Plextor PX-32TSi                        | Win95 V950B (Chinese- Simplified)      | Pass                 |
| SCSI (PCI)            | ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)         | Segate ST34501W                      | On-board IDE<br>ASUS CD-S400            | Win95 V950B                            | Pass                 |
|                       | ASUS PCI-SC200 Rev.1.2 (BIOS:V4.03)         | Quantum TM3200S                      | NEC CDR-1410A                           | Win95 V950B (Chinese-Traditional)      | Pass                 |
|                       | ASUS PCI-SC860 Rev.1.2 (BIOS:V4.03)         | Seagate ST32171N                     | Toshiba XM-6201B                        | Win95 V950B (Chinese-Simplified)       | Pass                 |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)         | Seagate ST32171N                     | Toshiba XM-6201B                        | Win95 V950B (Chinese-Simplified)       | Pass                 |
|                       | Adaptec AHA-2940AU Rev.C (BIOS:V1.30)       | Maxtor MX9217SSN                     | Plextor PX-20TSi                        | Win98 Beta3 1691 (Chinese-Traditional) | Pass                 |
|                       | Adaptec AHA-2940UW Rev.C (BIOS:V1.25)       | IBM DCAS-32160W                      | Panasonic CR-506-B                      | Win95 V950B (Chinese- Simplified)      | Pass                 |
|                       | Adaptec AHA-3940UW Rev.A (BIOS:V1.25)       | Seagate ST34501W                     | Pioneer DR-U06S                         | Win95 V950B                            | Pass                 |
|                       | AdvanSys ABP-930UA Rev.A (BIOS:V2.6L)       | Quantum VK4550S                      | Plextor PX12TSi                         | Win95 V950B (Chinese-Traditional)      | Pass                 |
|                       | AdvanSys ABP-940U Rev.A (BIOS:V2.6L)        | Quantum VK4550S                      | Plextor PX12TSi                         | Win95 V950B (Chinese-Traditional)      | Pass                 |
|                       | Buslogic BT930 Rev.A (BIOS:V1.41d)          | Seagate ST31055N                     | NEC CDR-502                             | Win95 V950B                            | Pass                 |
|                       | Buslogic BT932 Rev.A (BIOS:V1.41d)          | Seagate ST31055N                     | NEC CDR-502                             | Win95 V950B                            | Pass                 |
|                       | Buslogic BT948C Rev.Ab (BIOS:4.96F)         | Seagate ST19101N                     | Panasonic CR-506-B                      | Win95 V950B (Chinese-Traditional)      | Pass                 |
|                       | Buslogic BT950 Rev.A (BIOS:V4.96F)          | Quantum HN9100SW                     | Teac CD-516S                            | Win95 V950B                            | Pass                 |
|                       | DPT PM2144UW (BIOS:V003.A0)                 | Fujitsu M2954QAU                     | Plextor PX-20TSi                        | Win95 V950B (Chinese- Simplified)      | Pass                 |
|                       | Initio INI-9100U Rev.D (BIOS:V1.02)         | Micropolis 4345AV                    | Panasonic CR-506-B                      | Win98 Beta3 1691                       | Pass                 |
|                       | Initio INI-9100UW Rev.D (BIOS:V1.02)        | Seagate ST32550W                     | Sony CDU415                             | Win98 Beta3 1691 (Chinese-Traditional) | Pass                 |
|                       | Promise SCSI MAX Rev.B (BIOS:V3.07)         | Fujitsu M2952QAU                     | NEC CDR-502                             | Win95 V950B                            | Pass                 |
|                       | Promise SCSI ULTRA Rev.B (BIOS:V4.03)       | Seagate ST32155W                     | Plextor PX-32TSi                        | Win95 V950B (German)                   | Pass                 |
|                       | On-board AIC-7890AB                         | IBM DDRS-34560W                      | On-board IDE<br>Acer CD516E             | Win95 V950B (Japanese)                 | Pass                 |
|                       |                                             | Seagate ST32155W                     | On-board IDE<br>ASUS CD-S400            | Win95 V950B (Chinese-Traditional)      | Pass                 |
| RAID Controllers      |                                             |                                      |                                         |                                        |                      |
| Card Type             | Card Model                                  | H.D.D.                               | CD-ROM                                  | O.S. Environment                       | Status               |
| Raid Controller       | ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A)        | Quantum HN4550SW<br>Quantum VK4550SW | On-board IDE<br>ASUS CD-S340            | Win98 Beta 3/1691                      | Pass                 |
|                       | DPT PM3334UW (BIOS:V003.DS)                 | Quantum PX9100LW * 2                 | On-board IDE<br>DCS C706A               | Win98 Beta 3/1650                      | Pass                 |
| Graphic Adapters      |                                             |                                      |                                         |                                        |                      |
| Card Type             | Card Model                                  | Peripheral Device                    | O.S. Environment                        | Status                                 | Remark               |
| VGA (PCI)             | ASUS 3DP-V375DX Rev.1.11 (BIOS:V1.01.03a)   | On-board IDE<br>Quantum SE2100AT     | Win95 V950B (Chinese-Traditional)       | Pass                                   | S3-ViRGE/DX          |
|                       | ASUS 3DP-V264GT/Pro Rev. 1.01 (BIOS:V3.043) | On-board IDE<br>IBM DHEA-34330       | Win98 RC-1 1721.3 (Chinese-Traditional) | Pass                                   | ATI 3D RAGE II + DVD |
|                       | ASUS 3DP-V3000 Rev. 1.02 (BIOS:V1.51B)      | On-board IDE<br>Fujitsu MPA3026AT    | Win98 RC-1 1721.3                       | Pass                                   | RIVA 128             |
|                       | ASUS 3DP-V385GX2 Rev. 1.02 (BIOS:V3.16.13)  | On-board IDE<br>Quantum SE2100AT     | Win95 V950B (Chinese-Traditional)       | Pass                                   | S3 ViRGE/GX2         |

| <b>Graphic Adapters</b> |                                                                            |                                    |                                            |               |                           |
|-------------------------|----------------------------------------------------------------------------|------------------------------------|--------------------------------------------|---------------|---------------------------|
| <b>Card Type</b>        | <b>Card Model</b>                                                          | <b>Peripheral Device</b>           | <b>O.S. Environment</b>                    | <b>Status</b> | <b>Remark</b>             |
| <b>VGA<br/>(PCI)</b>    | <b>Triplex PCI-ET6000</b><br>Rev.<br>(BIOS:V)                              | On-board IDE<br>Quantum SE2100AT   | Win95 V950B<br>(Chinese-Traditional)       | Pass          | Tseng ET6000              |
|                         | <b>Matrox MGA MIL2P/4+</b><br>Rev. A<br>(BIOS:1.01)                        | On-board IDE<br>Fujitsu MPA3026AT  | Win98 RC-1 1721.3                          | Pass          | Matrox 64-Bit Graphics    |
|                         | <b>Matrox MGA MYST/4+</b><br>Rev. A<br>(BIOS: V1.4)                        | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | Matrox 64-Bit Graphics    |
|                         | <b>Leadtek WinFast 3D S600DX</b><br>Rev. B<br>(BIOS: V1.01.03)             | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | S3 ViREG/DX               |
|                         | <b>miro Crystal VR2000</b><br>Rev. A<br>(BIOS: V2.00)                      | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | S3 ViRGE/VX               |
|                         | <b>Diamond FireGL 1000pro</b><br>Rev. D<br>(BIOS: V1.26)                   | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Diamond Stealth II S220</b><br>Rev. A<br>(BIOS: V1.31)                  | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | Rendition V2100           |
|                         | <b>Diamond Viper V330</b><br>Rev. D<br>(BIOS: V1.49)                       | On-board IDE<br>Fujitsu MPA3026AT  | Win98 RC-1 1721.3                          | Pass          | RIVA 128                  |
|                         | <b>ELSA Victory ERAZOR</b><br>Rev. A<br>(BIOS: V1.47.01)                   | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | RIVA 128                  |
|                         | <b>Creative Graphics Blaster Extreme</b><br>Rev. CT6610<br>(BIOS: V1.34.2) | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Leadtek WinFast 3D L2200</b><br>Rev. B<br>(BIOS: V04.01.16)             | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | 3Dlabs Permedia           |
| <b>VGA<br/>(AGP)</b>    | <b>ASUS AGP-V3000</b><br>Rev. 1.02<br>(BIOS: V1.51B)                       | On-board IDE<br>Seagate ST33232A   | Win95 V950B                                | Pass          | RIVA 128                  |
|                         | <b>ASUS AGP-V385GX2</b><br>Rev. 1.02<br>(BIOS: V2.16.13)                   | On-board IDE<br>IBM DHEA-34330     | Win98 RC-1 1721.3<br>(Chinese-Traditional) | Pass          | S3 ViRGE/GX2              |
|                         | <b>ASUS AGP-V264GT3</b><br>Rev. 1.02<br>(BIOS: V3.071)                     | On-board IDE<br>Fujitsu MPA3026AT  | Win98 RC-1 1721.3                          | Pass          | ATI 3D RAGE PRO<br>AGP 2X |
|                         | <b>ATI XPERT@Work</b><br>Rev. A<br>(BIOS: V113-40214-100)                  | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | ATI 3D RAGE PRO<br>AGP 2X |
|                         | <b>Diamond FireGL 1000pro</b><br>Rev. D<br>(BIOS: V1.26)                   | On-board IDE<br>Fujitsu MPA3026AT  | Win98 RC-1 1721.3                          | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Diamond Viper V330</b><br>Rev. D<br>(BIOS: V1.49)                       | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | RIVA 128                  |
|                         | <b>Gigabyte GA-60X 3DAGP</b><br>Rev. 2<br>(BIOS: V1.38)                    | ASUS PCI-AS300<br>Seagate ST34501W | Win95 V950B                                | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Leadtek 3D L2300</b><br>Rev. B<br>(BIOS: V1.35)                         | On-board IDE<br>Quantum TM3200AT   | Win95 V950B<br>(Chinese-Simplified)        | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Matrox MGA-MIL2P/4+ AGP</b><br>Rev. A<br>(BIOS: V1.01)                  | On-board IDE<br>Quantum SE2100AT   | Win95 V950B<br>(Chinese-Traditional)       | Pass          | Matrox 64-Bit Graphics    |
|                         | <b>ELSA Gloria Synergy</b><br>Rev. A<br>(BIOS: V7.02.01)                   | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | 3Dlabs Permedia 2         |
|                         | <b>Cardex Thunder 3210/AGP</b><br>(BIOS: 6/27/97)                          | On-board IDE<br>Seagate ST33240A   | Win95 V950B                                | Pass          | Trident 3D/Image 9750     |

| Graphic Adapters  |                                                        |                                        |      |  |                                         |        |                       |
|-------------------|--------------------------------------------------------|----------------------------------------|------|--|-----------------------------------------|--------|-----------------------|
| Card Type         | Card Model                                             | Peripheral Device                      |      |  | O.S. Environment                        | Status | Remark                |
| VGA (AGP)         | ELITEGroup 3D Vision 985 AGP Rev. 1.0 (BIOS: 10/29/97) | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | Trident 3D/Image 9850 |
| Multimedia Kit    |                                                        |                                        |      |  |                                         |        |                       |
| Card Type         | Card Model                                             | Peripheral Device                      |      |  | O.S. Environment                        | Status |                       |
| Sound Card (ISA)  | ASUS I-A16C Rev.1.2                                    | On-board IDE<br>Quantum TM3200AT       |      |  | Win95 V950B (Chinese-Simplified)        | Pass   | Creative ViBRA16C     |
|                   | ACER DCS S711 Sound Image                              | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | ESS1869               |
|                   | AOpen AW-32PnP Sound                                   | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | SRS Crystal           |
|                   | Creative Sound Blaster CT4130 PnP                      | On-board IDE<br>Quantum SE2100AT       |      |  | Win95 V950B (Chinese-Traditional)       | Pass   | Creative ViBRA16CL    |
|                   | Creative Sound Blaster AWE32 PnP                       | On-board IDE<br>IBM DHEA-34330         |      |  | Win98 RC-1 1721.3 (Chinese-Traditional) | Pass   |                       |
|                   | Creative Sound Blaster AWE64 PnP                       | On-board IDE<br>Quantum SE2100AT       |      |  | Win95 V950B (Chinese-Traditional)       | Pass   |                       |
|                   | FUNAI FSO-PNP3D Sound Master                           | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | AD1816JS              |
|                   | Turtle Beach MultiSound Pinnacle                       | On-board IDE<br>Fujitsu MPA3026AT      |      |  | Win98 RC-1 1721.3                       | Pass   |                       |
| Sound Card (PCI)  | Creative ENSONIQ Audio PCI                             | On-board IDE<br>IBM DHEA-34330         |      |  | Win98 RC-1 1721.3 (Chinese-Traditional) | Pass   | ENSONIQ ES1370        |
|                   | EnnYah ESS-1948 Maestro PCI Sound                      | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | ESS Maestro-1         |
|                   | Top Solution PCI 3D Sound Card                         | On-board IDE<br>Fujitsu MPA3026AT      |      |  | Win98 RC-1 1721.3                       | Pass   | S3 Sonic Vibes        |
|                   | Triplex 3D Maestro PCI Sound Card                      | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   | ESS Maestro-1         |
| MPEG-1 Player     | DCS P531                                               | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   |                       |
| MPEG-2 Player     | Creative PC-DVD Encore Dxr2                            | Fujitsu MPA3026AT<br>Creative DVD2240E |      |  | Win98 RC-1 1721.3                       | Pass   |                       |
|                   | LuxSonor LS220                                         | Seagate ST33240A<br>Hitachi GD2000     |      |  | Win95 V950B                             | Pass   |                       |
| TV/ Capture Card  | miroMEDIA PCTV                                         | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   |                       |
|                   | Leadtek WinView 601                                    | On-board IDE<br>IBM DHEA-34330         |      |  | Win98 RC-1 1721.3 (Chinese-Traditional) | Pass   |                       |
| Others            | PRS MP6000P (PCI)                                      | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   |                       |
|                   | PRS MP6000A (AGP)                                      | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   |                       |
|                   | PRS MP3600/PCI                                         | On-board IDE<br>Seagate ST33240A       |      |  | Win95 V950B                             | Pass   |                       |
| Ethernet Adapters |                                                        |                                        |      |  |                                         |        |                       |
| Card Type         | Card Model                                             | Configurations:<br>IRQ Port Addr. DMA  |      |  | O.S. Environment                        | Status | Remark                |
| Ethernet (ISA)    | 3COM 3C509B-TP (Plug and Play)                         | 5                                      | 360  |  | Win95 V950B                             | Pass   |                       |
|                   | Accton EN166X Rev.02 (Plug and Play)                   | Auto                                   | Auto |  | Win95 V950B (Chinese- Simplified)       | Pass   |                       |
|                   | Cnet 288PnP Rev.A (Plug and Play)                      | Auto                                   | Auto |  | Win95 V950B                             | Pass   |                       |
|                   | Cnet 888E Rev.1.4                                      | 3                                      | 300  |  | Win95 V950B                             | Pass   |                       |
|                   | D-Link DE220PCT                                        | Auto                                   | Auto |  | Win95 V950B                             | Pass   |                       |
|                   | Intel PCLA8205                                         | Auto                                   | Auto |  | Win95 V950B (German)                    | Pass   |                       |
|                   | Novell NE2000Plus-3                                    | 5                                      | 300  |  | Win95 V950B (Chinese-Traditional)       | Pass   |                       |
|                   | SMC 8013WC Rev.A                                       | 10                                     | 300  |  | Win95 V950B (German)                    | Pass   |                       |

| <b>Ethernet Adapters</b>   |                                                |                                       |      |   |                                                                   |        |        |
|----------------------------|------------------------------------------------|---------------------------------------|------|---|-------------------------------------------------------------------|--------|--------|
| Card Type                  | Card Model                                     | Configurations:<br>IRQ Port Addr. DMA |      |   | O.S. Environment                                                  | Status | Remark |
| <b>Ethernet (PCI)</b>      | <b>ASUS PCI-DEC10-TB+ Rev.B2</b>               | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>3COM 3C590C Rev.14</b>                      | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>3COM 3C900C</b>                             | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>Accton EN1203 Rev.01C</b>                   | Auto                                  | Auto |   | Win95 V950B<br>(Chinese- Simplified)                              | Pass   |        |
|                            | <b>Accton EN1208 Rev.01A</b>                   | Auto                                  | Auto |   | Win95 V950B<br>(German)                                           | Pass   |        |
|                            | <b>Cogent EM960</b>                            | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Traditional)                              | Pass   |        |
|                            | <b>Digital DE450AC Rev.A01</b>                 | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Traditional)                              | Pass   |        |
|                            | <b>HP J2973A</b>                               | Auto                                  | Auto |   | Win98 Beta3 1650                                                  | Pass   |        |
|                            | <b>IBM Ethernet PCI</b>                        | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>Proteon P1670-EA</b>                        | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>SMC 8432BT Rev.A</b>                        | Auto                                  | Auto |   | Win95 V950B<br>(German)                                           | Pass   |        |
|                            | <b>Thomas-Conrad TC5048 Rev.A</b>              | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
| <b>100BaseTx</b>           | <b>ASUS PCI-DEC100TX+ Rev.01</b>               | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Traditional)<br>Win95 V950B<br>(Japanese) | Pass   |        |
|                            | <b>ASUS PCI-L101</b>                           | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>3Com 3C595TX Rev.B</b>                      | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Traditional)                              | Pass   |        |
|                            | <b>3Com 3C905TX Rev.B</b>                      | Auto                                  | Auto |   | Win98 Beta 3/1691                                                 | Pass   |        |
|                            | <b>Accton EN1207 Rev.01</b>                    | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>Cnet CN100TX</b>                            | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>Cogent EM110TX</b>                          | Auto                                  | Auto |   | Win95 V950B<br>(German)                                           | Pass   |        |
|                            | <b>Digital DE500XA</b>                         | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>HP J3171A</b>                               | Auto                                  | Auto |   | Win98 Beta 3/1650                                                 | Pass   |        |
|                            | <b>Intel PILA8465</b>                          | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
|                            | <b>Intel PILA8465B</b>                         | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Traditional)                              | Pass   |        |
|                            | <b>SMC 9332DST</b>                             | Auto                                  | Auto |   | Win95 V950B<br>(Chinese-Simplified)                               | Pass   |        |
| <b>Token-Ring Adapters</b> |                                                |                                       |      |   |                                                                   |        |        |
| Card Type                  | Card Model                                     | Configurations:<br>IRQ Port Addr. DMA |      |   | O.S. Environment                                                  | Status | Remark |
| <b>Token-Ring (ISA)</b>    | <b>3COM 3C619C Rev.A</b>                       | 2                                     | A20  |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>Accton TR1615 Rev.C1</b>                    | 2                                     | A20  |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>D-Link DT-220P Rev.B1</b>                   | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>IBM Auto 16/4 Adapter (Plug and Play)</b>   | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>Intel PCLA815X (Plug and Play)</b>          | Auto                                  | Auto |   | Win95 V950B                                                       | Pass   |        |
|                            | <b>Proteon P1392Plus Rev.J (Plus and Play)</b> | 5                                     | A20  | 5 | Win95 V950B                                                       | Pass   |        |

| Token-Ring Adapters   |                                        |                                             |      |  |                                                    |                          |                          |
|-----------------------|----------------------------------------|---------------------------------------------|------|--|----------------------------------------------------|--------------------------|--------------------------|
| Card Type             | Card Model                             | Configurations:<br>IRQ    Port Addr.    DMA |      |  | O.S. Environment                                   | Status                   | Remark                   |
| Token-Ring<br>(PCI)   | Olicom OC-3870 Rev.4                   | Auto                                        | Auto |  | Win95 V950B                                        | Pass                     |                          |
|                       | Thomas-Conrad TC4048 Rev.A             | Auto                                        | Auto |  | Win95 V950B                                        | Pass                     |                          |
|                       | Proteon P1690 Rev.B                    | Auto                                        | Auto |  | Win95 V950B                                        | Pass                     |                          |
| Modem Devices         |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  | O.S. Environment                            |      |  | Application                                        | Status                   | Remark / Special Setting |
| Modems<br>(Internal)  | Boca Office PnP internal               | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS COM3          |
| Modems<br>(External)  | ADI CommuPack 33600SVD                 | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS COM1 / COM2   |
|                       | ADI CommuPack SVD56K                   | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 56,000 BPS COM1 / COM2   |
|                       | Hayes Accura                           | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS COM1 / COM2   |
|                       | Supra Express 288 PnP                  | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 28,800 BPS COM1 / COM2   |
|                       | USRobotics Sportster 56K Faxmodem      | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 56,000 BPS COM1 / COM2   |
|                       | ZyXEL U-336E                           | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download files | Pass                     | 33,600 BPS COM1 / COM2   |
| ISDN Devices          |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  | Peripheral Device                           |      |  | Application                                        | Status                   | Remark                   |
| ISDN<br>(Internal)    | ASUSCOM ISDN Internal Adapter          | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download Files | Pass                     | 64,000 BPS               |
| ISDN<br>(External)    | ZyXEL Elite 2864I                      | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download Files | Pass                     | 64,000 BPS               |
|                       | ZyXEL ISDN Terminal Adapter Omni TA128 | Win95 V950B                                 |      |  | Dial up Internet, Netscape Upload / Download Files | Pass                     | 64,000 BPS               |
| Printer Devices       |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  | O.S. Environment                            |      |  | Status                                             | Remark / Special Setting |                          |
| Parallel              | HP LaserJet 5L                         | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| M.O. Devices          |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  |                                             |      |  | Status                                             | Remark / Special Setting |                          |
| SCSI                  | Fujitsu Dyna M2513S2B                  | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | Fujitsu M2513A6                        | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | Mitsubishi MCA640                      | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| Removable HDD Devices |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  |                                             |      |  | Status                                             | Remark / Special Setting |                          |
| SCSI                  | Data Driver Technology PS-750          | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | lomega V1000S JAZ                      | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | lomega V1000Si JAZ                     | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| IDE                   | Fujitsu M2541BE02                      | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | O.R. Technology FD-3120A (LS-120)      | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| Tape Devices          |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  | O.S. Environment                            |      |  | Status                                             | Remark / Special Setting |                          |
| SCSI                  | Seagate DAT 02779-XXX                  | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | Seagate ST8000N                        | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| ZIP Devices           |                                        |                                             |      |  |                                                    |                          |                          |
| Type                  | Model                                  | O.S. Environment                            |      |  | Status                                             | Remark / Special Setting |                          |
| SCSI                  | lomega Z100S2                          | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
| IDE                   | lomega Z100 iDE                        | Win95 V950B                                 |      |  | Pass                                               |                          |                          |
|                       | lomega Z100ATAPI                       | Win95 V950 RC-1 1721.3                      |      |  | Pass                                               |                          |                          |

## 2.3 Field (stress) Test

|                       |                                                                                                                                                                                               |                 |                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>Windows 95 V950B network access test</b>                                                                                                                                                   |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 112MB(SDRAM 32MB * 3 + 16MB) + 512KB(Internal) + Adaptec AHA-1542CF + Quantum TM2110S + Teac CD-516S CD-ROM + ASUS AGP-V264GT3 + 3COM 3C595TX + Microsoft Serial Mouse |                 |                 |
|                       | 1 * Peer (Windows 95 V950B)<br>1* Server (Windows NT Server V4.0)                                                                                                                             |                 |                 |
| <b>Test Procedure</b> | Run Multitasking on local PC and access remote workstation resource.                                                                                                                          |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                   | <b>Duration</b> | <b>61 Hours</b> |
| <b>Test Type</b>      | <b>Windows 95 V950B network access test</b>                                                                                                                                                   |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 96MB(SDRAM 32MB * 3) + 512KB(Internal) + Initio INI-9100U + Fujitsu M2952SYU + NEC CDR-502 CD-ROM + ASUS AGP-V264GT3 + Cnet 888E + Microsoft Serial Mouse              |                 |                 |
|                       | 1 * Peer (Windows 95 V950B)<br>1 * Server (Windows NT Server V4.0)                                                                                                                            |                 |                 |
| <b>Test Procedure</b> | Run Multitasking on local PC and access remote workstation resource.                                                                                                                          |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                   | <b>Duration</b> | <b>16 Hours</b> |
| <b>Test Type</b>      | <b>Windows 98 HCT stress test</b>                                                                                                                                                             |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-300 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + On-board IDE + Maxtor 85250D6 + ASUS CD-S400 CD-ROM + ASUS AGP-V3000 + Logitech Serial Mouse                                  |                 |                 |
|                       | 1 * Windows 98                                                                                                                                                                                |                 |                 |
| <b>Test Procedure</b> | Run HCT V7.2 stress test.                                                                                                                                                                     |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                   | <b>Duration</b> | <b>5 Hours</b>  |

### 3. Microsoft Windows NT Operating System Test

#### 3.1 Software Compatibility Test

##### 3.1.1 Operating System Compatibility

| O.S. Name                                           | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                               |
|-----------------------------------------------------|---------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------|
| <i>Windows NT Workstation</i>                       | V3.51   | Microsoft | Pass   | ASUS PCI-SC875 + WD WDE2170W + Pioneer DR-U24X CD-ROM + ASUS AGP-V3000 + Cnet CN888E + Microsoft IntelliMouse                 |
| <i>Windows NT Workstation (Chinese-Traditional)</i> | V3.51   | Microsoft | Pass   | On-board IDE + Fujitsu M1638TAU + BTC BCD24X CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                             |
| <i>Windows NT Workstation (Japanese)</i>            | V3.51   | Microsoft | Pass   | Advansys ABP-940UA + IBM DCAS-34330 + NEC CDR-1610A CD-ROM + ASUS AGP-V3000 + Olicom OC-3118 + Logitech First Mouse Super     |
| <i>Windows NT Server</i>                            | V3.51   | Microsoft | Pass   | Adaptec AHA-3940UW + IBM DGVS-950W + NEC CDR-1610A CD-ROM + ASUS AGP-V3000 + Olicom OC3870 + Logitech First Mouse Super       |
| <i>Windows NT Server (Chinese-Traditional)</i>      | V3.51   | Microsoft | Pass   | On-board IDE + Maxtor 72004AP + Philips PCA203CD CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                         |
| <i>Windows NT Workstation</i>                       | V4.0    | Microsoft | Pass   | Promise SCSIMAX + Fujitsu M2954QAU + NEC CDR-1610A CD-ROM + ASUS AGP-V3000 + Intel PCL8205 + Logitech First Mouse Super       |
| <i>Windows NT Workstation (Chinese-Traditional)</i> | V4.0    | Microsoft | Pass   | DPT 2144UW + Quantum VK4550SW + Plextor PX-20TSi CD-ROM + ASUS AGP-V3000L + Proteon P1690 + Logitech First Mouse Super        |
| <i>Windows NT Workstation (Chinese-Simplified)</i>  | V4.0    | Microsoft | Pass   | On-board IDE + Quantum TM3200AT + Teac CD-524E CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                           |
| <i>Windows NT Workstation (Japanese)</i>            | V4.0    | Microsoft | Pass   | On-board IDE + Quantum TM3200AT + Teac CD-524E CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                           |
| <i>Windows NT Server</i>                            | V4.0    | Microsoft | Pass   | ASUS PCI-DA2100 + Quantum HN2275SW + Plextor PX-20TSi CD-ROM + ASUS AGP-V3000L + Novell NE2000Plus-3 + Microsoft Intellimouse |
| <i>Windows NT Server (Chinese-Traditional)</i>      | V4.0    | Microsoft | Pass   | On-board IDE + Seagate ST52520A + WD AC34000 + Wearnes CDD1620 CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super           |
| <i>Windows NT Server (Japanese)</i>                 | V4.0    | Microsoft | Pass   | Buslogic BT950W + Seagate ST34371W + Sony CDU415 CD-ROM + ASUS AGP-V3000 + 3COM 3C509TP + Logitech First Mouse Super          |
| <i>Windows NT Workstation</i>                       | V5.0    | Microsoft | Pass   | On-board IDE + IBM DAQA-33240 + Toshiba XM-6102B CD-ROM + ASUS AGP-V3000 + 3COM 3C509TP + Logitech First Mouse Super          |
| <i>Windows NT Server</i>                            | V5.0    | Microsoft | Pass   | On-board IDE + WD AC32500 + Teac CD-524E CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super                                 |

##### 3.1.2 Application Software Compatibility

| <b>Applications</b>            |            |            |                                   |        |                                                                                                    |
|--------------------------------|------------|------------|-----------------------------------|--------|----------------------------------------------------------------------------------------------------|
| Package Name                   | Version    | Publisher  | O.S. Environment                  | Status | Features Tested                                                                                    |
| <i>3D Studio MAX</i>           | V1.3       | Autodesk   | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute open, modify, save, quit, ..etc.                                  |
| <i>AutoCAD Chinese Edition</i> | R14        | Autodesk   | NT WKS V4.0 (Chinese-Traditional) | Pass   | Install from CD-ROM, and execute open, modify, save, quit, ..etc.                                  |
| <i>Extreme 3D</i>              | V1.0       | Macromedia | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute open, modify, save, quit, ..etc.                                  |
| <i>Microsoft Bookshelf 98</i>  | V98        | Microsoft  | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute search, print, ..etc.                                             |
| <i>Microsoft Encarta 98</i>    | V98        | Microsoft  | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute search, play media, ..etc.                                        |
| <i>Microsoft Office 97</i>     | Profession | Microsoft  | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute Word, Excel, Power Point, Schedule, Outlook, Photo, Access ..etc. |
| <i>Photoshop</i>               | V4.0       | Adobe      | NT WKS V4.0                       | Pass   | Install from CD-ROM, and execute open, modify, save, quit, ..etc.                                  |
| <i>Corel WordPerfect 8</i>     | Suit 8     | Corel      | NT WKS V4.0                       | Pass   | Install from CD-ROM , and execute Project, Presentation, WordPerfect, ..etc.                       |

| <b>Application Server</b>          |         |           |                  |        |                                                                                          |
|------------------------------------|---------|-----------|------------------|--------|------------------------------------------------------------------------------------------|
| Package Name                       | Version | Publisher | O.S. Environment | Status | Features Tested                                                                          |
| <b>Exchange Server</b>             | V4.0    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Health, History, Queues ..etc.                          |
| <b>Internet Information Server</b> | V2.0    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Internet Service Manager, Key Manager ..etc.            |
| <b>Index Server</b>                | V1.1    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Administration, Sample Query Form ..etc.                |
| <b>Proxy Server</b>                | V1.0    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Internet Service Manager, Monitor Performance ..etc.    |
| <b>SQL Server</b>                  | V6.5    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute ISQL_w, MS Query, Enterprise Manager ..etc.             |
| <b>SNA Server</b>                  | V3.0    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Manager, Trace, Trace Viewer ..etc.                     |
| <b>Systems Management Server</b>   | V1.2    | Microsoft | NT Server V4.0   | Pass   | Install from CD-ROM, and execute Administrator, Database Manager, Network Monitor ..etc. |
| <b>HTML Editor</b>                 |         |           |                  |        |                                                                                          |
| Package Name                       | Version | Publisher |                  | Status | Features Tested                                                                          |
| <b>FrontPage 98</b>                | V98     | Microsoft | NT WKS V4.0      | Pass   | Install from CD-ROM, and execute Editor, Explorer, TCP_IP Test, Administrator ..etc.     |

## 3.2 Hardware Compatibility Test

| <b>IDE Controller</b>     |                                                        |        |                                                    |        |                                          |        |
|---------------------------|--------------------------------------------------------|--------|----------------------------------------------------|--------|------------------------------------------|--------|
| Card Type                 | Primary IDE                                            |        | Secondary IDE                                      |        | O.S. Environment                         | Status |
|                           | H.D.D./CD-ROM (Mode/Speed)                             | M/S    | H.D.D./CD-ROM (Mode/Speed)                         | M/S    |                                          |        |
| <b>On-board IDE (PCI)</b> | Fujitsu M1636TAU (4)<br>Teac CD-524E (24X)             | M<br>S | None                                               |        | NT Server V4.0                           | Pass   |
|                           | Fujitsu M1638TAU (4)                                   | M      | BTC BCD24X (24X)                                   | M      | NT WKS V3.51<br>(Chinese-Traditional)    | Pass   |
|                           | Fujitsu MPA3026AT (4)                                  | M      | Wearnes CDD1620 (16X)                              | M      | NT WKS V4.0                              | Pass   |
|                           | Fujitsu MPB3043AT (DMA33)<br>Fujitsu MPB3032AT (DMA33) | M<br>S | Teac CD-524E (24X)                                 | M      | NT WKS V4.0<br>(Chinese-Traditional)     | Pass   |
|                           | Fujitsu MPB3052AT (DMA33)                              | M      | Acer CD624A (24X)                                  | M      | NT WKS V4.0<br>(Chinese-Simplified)      | Pass   |
|                           | Fujitsu MPB3064AT (DMA33)<br>Maxtor 82560D3 (DMA33)    | M<br>S | ASUS CD-S400 (40X)                                 | M      | NT WKS V4.0                              | Pass   |
|                           | IBM DAQA-33240 (4)                                     | M      | Toshiba XM6201B (32X)                              | M      | NT Server V5.0                           | Pass   |
|                           | IBM DCAA-33610 (4)                                     | M      | ASUS CD-S340 (34X)                                 | M      | NT WKS V4.0<br>(Chinese-Simplified)      | Pass   |
|                           | IBM DHEA-34330 (DMA33)<br>Seagate ST52520A (4)         | M<br>S | Vuego CD616A (18X)                                 | M      | NT Server V4.0<br>(Chinese-Traditional)  | Pass   |
|                           | IBM DHEA-36480 (DMA33)                                 | M      | Maxtor 83500A8 (4)<br>NEC CDR-1900A (32X)          | M<br>S | NT WKS V3.51<br>(Chinese-Traditional)    | Pass   |
|                           | IBM DHEA-38451 (DMA33)                                 | M      | Acer CD616A (16X)                                  | M      | NT Server V3.51                          | Pass   |
|                           | Maxtor 72004AP (4)                                     | M      | Philips PCA203CD (20X)                             | M      | NT Server V3.51<br>(Chinese-Traditional) | Pass   |
|                           | Maxtor 82560A4 (4)                                     | M      | Funai E2950UA (16X)                                | M      | NT WKS V3.51                             | Pass   |
|                           | Maxtor 83062A7 (4)<br>IBM DJAA-31700 (4)               | M<br>S | Philips PCA230CD (20X)                             | M      | NT WKS V4.0<br>(Chinese-Traditional)     | Pass   |
|                           | Maxtor 83201A6 (4)                                     | M      | Quantum CY4335AT (4)<br>ASUS CD-S340 (34X)         | M<br>S | NT WKS V4.0<br>(Japanese)                | Pass   |
|                           | Maxtor 83500D4 (DMA33)<br>Maxtor 84320D5 (DMA33)       | M<br>S | Sony CDU711 (24X)                                  | M      | NT Server V4.0                           | Pass   |
|                           | Maxtor 85120A8 (4)<br>Micropolis 4540 (4)              | M<br>S | Seagate ST52520A (4)<br>ASUS CD-S340 (34X)         | M<br>S | NT Server V5.0                           | Pass   |
|                           | Maxtor 85250D6 (DMA33)                                 | M      | ASUS CD-S400 (40X)                                 | M      | NT WKS V4.0                              | Pass   |
|                           | Maxtor 88400D8 (DMA33)                                 | M      | BTC BCD24X (24X)                                   | M      | NT Server V4.0<br>(Chinese-Simplified)   | Pass   |
|                           | Quantum TM3200AT (4)                                   | M      | Teac CD-524E (24X)                                 | M      | NT WKS V4.0<br>(Japanese)                | Pass   |
|                           | Quantum ST21A011 (4)<br>Fujitsu MPA3017AT (4)          | M<br>S | Maxtor 85250D6 (DMA33)<br>Panasonic CR-584-B (12X) | M<br>S | NT WKS V4.0                              | Pass   |

| IDE Controller     |                                                      |        |                                           |        |                                         |        |
|--------------------|------------------------------------------------------|--------|-------------------------------------------|--------|-----------------------------------------|--------|
| Card Type          | Primary IDE                                          |        | Secondary IDE                             |        | O.S. Environment                        | Status |
|                    | H.D.D./CD-ROM (Mode/Speed)                           | M/S    | H.D.D./CD-ROM (Mode/Speed)                | M/S    |                                         |        |
| On-board IDE (PCI) | Quantum ST4320AT (DMA33)<br>Philips PCA203CD (20X)   | M<br>S | WD AC12100 (DMA33)                        | M      | NT WKS V4.0<br>(Chinese-Traditional)    | Pass   |
|                    | Quantum TM3200AT (4)                                 | M      | Sony CDU511 (16X)                         | M      | NT Server V4.0                          | Pass   |
|                    | Quantum TM3840AT (4)                                 | M      | Teac CD-524E (24X)                        | M      | NT Server V4.0<br>(Chinese-Traditional) | Pass   |
|                    | Samsung VG33402A (DMA33)<br>WD AC32100 (DMA33)       | M<br>S | Quantum SR2550AT (4)<br>Sony CDU571 (16X) | M<br>S | NT WKS V5.0                             | Pass   |
|                    | Seagate ST31276A (4)                                 | M      | Vuego CD616A (18X)                        | M      | NT WKS V4.0                             | Pass   |
|                    | Seagate ST31277A (4)<br>Seagate ST52520A (4)         | M<br>S | Teac CD-516E (16X)                        | M      | NT WKS V3.51<br>(Japanese)              | Pass   |
|                    | Seagate ST32132A (4)<br>Seagate ST31720A (4)         | M<br>S | BTC BCD24X (24X)                          | M      | NT Server V3.51                         | Pass   |
|                    | Seagate ST34342A (DMA33)                             | M      | Teac CD-516E (16X)                        | M      | NT Server V4.0                          | Pass   |
|                    | Seagate ST36450A (4)                                 | M      | IBM DCAA-33610 (4)<br>Funai E2950UA (16X) | M<br>S | NT WKS V4.0                             | Pass   |
|                    | Seagate ST52520A (4)                                 | M      | WD AC34000 (4)<br>Wearnes CDD1620 (16X)   | M<br>S | NT Server V4.0<br>(Chinese-Traditional) | Pass   |
|                    | Seagate ST32122A (DMA33)<br>Seagate ST36451A (DMA33) | M<br>S | Teac CD-524E (24X)                        | M      | NT WKS V4.0<br>(Chinese-Simplified)     | Pass   |
|                    | WD AC22500 (4)                                       | M      | NEC CDR-1600A (16X)                       | M      | NT WKS V4.0<br>(Chinese-Traditional)    | Pass   |
|                    | WD AC32500 (4)                                       | M      | Teac CD-524E (24X)                        | M      | NT Server V5.0 Beta1                    | Pass   |
|                    | WD WDAC31600 (4)                                     | M      | Wearnes CDD1620 (16X)                     | M      | NT Server V4.0                          | Pass   |
|                    | WD AC12100 (DMA33)<br>ASUS CD-S340 (34X)             | M<br>S | None                                      |        | NT WKS V4.0                             | Pass   |
|                    | WD AC36400 (DMA33)                                   | M      | Sony CDU711 (24X)                         | M      | NT Server V4.0                          | Pass   |

| SCSI Disk Controllers |                                          |                               |                    |                                          |        |
|-----------------------|------------------------------------------|-------------------------------|--------------------|------------------------------------------|--------|
| Card Type             | Card Model                               | H.D.D.                        | CD-ROM             | O.S. Environment                         | Status |
| SCSI (ISA)            | Adaptec AHA-1530P<br>Rev.C (BIOS:V1.03)  | Seagate ST34371N              | Sony CDU415        | NT WKS V4.0                              | Pass   |
|                       | Adaptec AHA-1542CF<br>Rev.C (BIOS:V2.02) | Micropolis 4345AV             | Plextor PX-20TSi   | NT WKS V4.0<br>(Japanese)                | Pass   |
|                       | Adaptec AHA-1542CP<br>Rev.B (BIOS:V1.02) | Quantum TM2110S               | NEC CDR-512        | NT Server V4.0<br>(Japanese)             | Pass   |
| SCSI (PCI)            | ASUS PCI-AS300<br>Rev.1.0 (BIOS:V1.24)   | WD WDE4360W                   | NEC CDR-1610A      | NT WKS V4.0                              | Pass   |
|                       | ASUS PCI-SC200<br>Rev.1.2 (BIOS:V4.03)   | Micropolis 4345AV             | Plextor PX-20TSi   | NT WKS V4.0                              | Pass   |
|                       | ASUS PCI-SC860<br>Rev.1.01 (BIOS:V4.03)  | Seagate ST52160N              | Panasonic CR-508-B | NT WKS V3.51<br>(Chinese-Traditional)    | Pass   |
|                       | ASUS PCI-SC875<br>Rev.1.0 (BIOS:V4.03)   | WD WD2170W                    | Pioneer DR-U24X    | NT WKS V3.51                             | Pass   |
|                       | Adaptec AHA-2940AU<br>Rev.A (BIOS:V1.30) | Seagate ST32550N              | Plextor PX-32TSi   | NT WKS V4.0<br>(Chinese-Simplified)      | Pass   |
|                       | Adaptec AHA-2940UW<br>Rev.C (BIOS:V1.24) | Seagate ST34501W              | NEC CDR-1610A      | NT WKS V4.0                              | Pass   |
|                       | Adaptec AHA-3940<br>Rev.B (BIOS:V1.12)   | Maxtor MX9217SSN              | NEC CDR-1810A      | NT Server V4.0<br>(Chinese-Traditional)  | Pass   |
|                       | Adaptec AHA-3940UW<br>Rev.A (BIOS:V1.24) | IBM DGVS-950W                 | NEC CDR-1610A      | NT Server V3.51                          | Pass   |
|                       | Adaptec AHA-3940W<br>Rev.D (BIOS:V1.12)  | Seagate ST34501W              | NEC CDR-1610A      | NT WKS V4.0                              | Pass   |
|                       | Adaptec AHA-3985<br>Rev.A (BIOS:V1.5)    | Micropolis 4110S              | NEC CDR-512        | NT Server V3.51<br>Chinese (Traditional) | Pass   |
|                       | Adaptec AHA-3985W<br>Rev.A (BIOS:V1.50)  | WD WDE4360W<br>IBM DDRS-3910W | Sony CDU415        | NT Server V3.51                          | Pass   |
|                       | AdvanSys ABP-930U<br>Rev.1 (BIOS:V2.8C)  | Maxtor MX9217SSN              | Plextor PX-20TSi   | NT WKS V4.0                              | Pass   |

| SCSI Disk Controllers |                                       |                  |                  |                                      |                          |
|-----------------------|---------------------------------------|------------------|------------------|--------------------------------------|--------------------------|
| Card Type             | Card Model                            | H.D.D.           | CD-ROM           | O.S. Environment                     | Status                   |
| SCSI (PCI)            | AdvanSys ABP-940U Rev.A (BIOS:V2.6L)  | IBM DCAS-34330   | NEC CDR-1610A    | NT WKS V3.51 (Japanese)              | Pass                     |
|                       | Buslogic BT930 Rev.A (BIOS:V1.40e)    | Quantum HN9100S  | NEC CDR-512      | NT Server V3.51                      | Pass                     |
|                       | Buslogic BT932 Rev.A (BIOS:V1.40e)    | Quantum HN9100S  | Plextor PX-20TSi | NT Server V5.0                       | Pass                     |
|                       | Buslogic BT948C Rev.Ab (BIOS:V4.95L)  | NEC DSE2550S     | Nec CDR-1410A    | NT WKS V3.51 (Japanese)              | Pass                     |
|                       | Buslogic BT950W Rev.A (BIOS:V4.40e)   | Seagate ST34371W | Sony CDU415      | NT Server V4.0 (Japanese)            | Pass                     |
|                       | DPT PM2144UW (BIOS:V003.DS)           | Quantum VK4550SW | Plextor PX-20TSi | NT WKS V4.0 (Chinese-Traditional)    | Pass                     |
|                       | Initio INI-9100U Rev.D (BIOS:V1.02)   | Fujitsu M2954SYU | NEC CDR-502      | NT Server V4.0                       | Pass                     |
|                       | Initio INI-9100UW Rev.D (BIOS:V1.02)  | Seagate ST15150W | Plextor PX-20TSi | NT WKS V4.0 (Chinese-Traditional)    | Pass                     |
|                       | Promise SCSI MAX Rev.B (BIOS:V3.07)   | Fujitsu M2954QAU | Sony CDU415      | NT WKS V4.0                          | Pass                     |
|                       | Promise SCSI ULTRA Rev.B (BIOS:V4.03) | IBM DGHS-950W    | Pioneer DR-U06S  | NT Server V4.0 (Chinese-Traditional) | Pass                     |
|                       | WDC WD7197 RevB (BIOS:V172)           | Seagate ST34371W | NEC CDR-512      | NT WKS V3.51 (Japanese)              | Pass                     |
|                       | On-board AIC-7890AB (BIOS:V1.24)      | Quantum HN9100SW | Toshiba XM-5701B | NT Server V4.0 (Chinese-Traditional) | Pass Refer to Part E 2.4 |
|                       |                                       | Quantum HN9100SW | Plextor PX-32TSi | NT Server V4.0                       | Pass Refer to Part E 2.4 |
|                       |                                       | WD WDE2170W      | Plextor PX-32TSi | NT Server V4.0                       | Pass Refer to Part E 2.4 |

| RAID Controllers | | | | | |
| Card Type | Card Model | H.D.D. | CD-ROM | O.S. Environment | Status |
| RAID Controller | ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A) | Quantum HN2275SW \* 2 Quantum HN4550SW | Plextor PX-20TSi | NT Server V4.0 | Pass |
| DPT PM3334 (BIOS:V003.A0) | IBM DCAS-32160W IBM DCAS-34330W \* 2 | NEC CDR-1900A | NT Server V4.0 | Pass |
| Graphic Adapters | | | | | |
| Card Type | Card Model | Peripheral Device | O.S. Environment | Status | Remark |
| VGA (PCI) | ASUS PCI-V264VT Rev.1.2 (BIOS:V3.8.0/3.007) | On-board IDE Fujitsu MPB3043AT Fujitsu MPB3032AT Teac CD-524E | NT WKS V4.0 (Chinese-Traditional) | Pass | ATI-264VT2 |
| ASUS PCI-V264GT/Plus Rev.1.3 (BIOS:V3.8.0/3.007) | On-board IDE Quantum TM3200AT Sony CDU511 | NT Server V4.0 | Pass | ATI 3D RAGE II |
| ASUS 3DP-V375DX Rev. 1.02 (BIOS:1.01.03) | On-board AIC-7890AB Seagate ST15150W NEC CDR-1810A | NT Server V4.0 | Pass | S3 ViRGE/DX |
| ASUS 3DP-V264GT/Pro Rev. 1.01 (BIOS:3.043) | On-board IDE Seagate ST52520A WD AC34000 Wearnes CDD1620 | NT Server V4.0 (Chinese-Traditional) | Pass | ATI 3D RAGE II + DVD |
| ASUS AGP-V3000 Rev. 1.02 (BIOS:1.45A) | Maxtor 85250D6 ASUS CD-S400 | NT WKS V4.0 | Pass | STG3000 |
| ASUS AGP-V3000L Rev. 1.02 (BIOS:1.45A) | On-board IDE ST4320AT NEC CDR-1900A | NT WKS V4.0 (Chinese-Traditional) | Pass | STG3000 |
| Matrox MGA MYST/4+ Rev.A (BIOS:V1.4) | On-board IDE WD WDAC31600 Wearnes CDD1620 | NT Server V4.0 | Pass | 64-BIT Graphics |

| Multimedia Kit    |                                       |                                                   |      |   |                                         |        |        |
|-------------------|---------------------------------------|---------------------------------------------------|------|---|-----------------------------------------|--------|--------|
| Card Type         | Card Model                            | Peripheral Device                                 |      |   | O.S. Environment                        | Status |        |
| Sound Card        | ASUS I-A16C Rev.1.2                   | On-board IDE<br>Seagate ST4320AT<br>NEC CDR-1900A |      |   | NT WKS V4.0<br>(Chinese-Traditional)    | Pass   |        |
|                   | Creative Sound Blaster 32 PnP         | On-board IDE<br>WD AC12100<br>ASUS CD-S340        |      |   | NT WKS V4.0                             | Pass   |        |
|                   | Creative Sound Blaster AWE32 PnP      | On-board IDE<br>WD WDAC31600<br>Wearnes CDD1620   |      |   | NT Server V4.0                          | Pass   |        |
|                   | Creative Sound Blaster AWE64 PnP      | On-board AIC-7890AB<br>Seagate ST15150W           |      |   | NT Server V4.0<br>(Chinese-Traditional) | Pass   |        |
| Ethernet Adapters |                                       |                                                   |      |   |                                         |        |        |
| Card Type         | Card Model                            | Configurations:<br>IRQ      Port    Addr.    DMA  |      |   | O.S. Environment                        | Status | Remark |
| Ethernet (ISA)    | 3COM 3C509B-TP (Plug and Play)        | 5                                                 | 360  |   | NT WKS V4.0                             | Pass   |        |
|                   | Accton EN166X Rev.02 (Plug and Play)  | 3                                                 | 300  |   | NT WKS V3.51<br>(Chinese-Traditional)   | Pass   |        |
|                   | Cnet 288PnP Rev.A (Plug and Play)     | 3                                                 | 300  |   | NT WKS V3.51                            | Pass   |        |
|                   | Cnet 888E Rev.1.4                     | 5                                                 | 300  |   | NT Server V4.0<br>(Chinese-Traditional) | Pass   |        |
|                   | D-Link DE220PT Rev.C1 (Plug and Play) | Auto                                              | Auto |   | NT WKS V4.0<br>(Japanese)               | Pass   |        |
|                   | HP NC/16TP Rev.D                      | 5                                                 | 300  | 7 | NT WKS V4.0<br>(Chinese-Traditional)    | Pass   |        |
|                   | Intel PCLA8205 (Plug and Play)        | 5                                                 | 340  |   | NT WKS V4.0                             | Pass   |        |
|                   | Novell NE2000Plus-3                   | 5                                                 | 300  |   | NT Server V4.0                          | Pass   |        |
| Ethernet (PCI)    | ASUS PCI-DEC10-TB Rev.A1              | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | ASUS PCI-DEC10-TB+ Rev.B1             | Auto                                              | Auto |   | NT Server V4.0                          | Pass   |        |
|                   | 3COM 3C590C Rev.14                    | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | 3COM 3C900C Rev.C                     | Auto                                              | Auto |   | NT Server V3.51                         | Pass   |        |
|                   | Accton EN1203 Rev.01C                 | Auto                                              | Auto |   | NT WKS V4.0<br>(Chinese-Traditional)    | Pass   |        |
|                   | Accton EN1208 Rev.01A                 | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | Compaq NETFLEX-3/P Rev.A              | Auto                                              | Auto |   | NT WKS V3.51<br>(Chinese-Traditional)   | Pass   |        |
|                   | Cogent EM960                          | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | Cogent EM964                          | Auto                                              | Auto |   | NT Server V4.0                          | Pass   |        |
|                   | Digital DE450AC Rev.A01               | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | HP J2973 Rev.B                        | Auto                                              | Auto |   | NT Server V3.51                         | Pass   |        |
|                   | IBM PCI Ethernet Rev.B2               | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | Intel PILA840X                        | Auto                                              | Auto |   | NT Server V4.0                          | Pass   |        |
|                   | Proteon P1670-EA                      | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | SMC 8432BT Rev.A                      | Auto                                              | Auto |   | NT WKS V4.0<br>(Chinese-Simplified)     | Pass   |        |
|                   | Thomas-Conrad TC5048 Rev.A            | Auto                                              | Auto |   | NT WKS V4.0                             | Pass   |        |
|                   | Xpoint Quad PeerSwitch Rev.2          | Auto                                              | Auto |   | NT WKS V3.51                            | Pass   |        |

| <b>Ethernet Adapters</b>   |                                          |                                       |      |   |                                                    |                       |
|----------------------------|------------------------------------------|---------------------------------------|------|---|----------------------------------------------------|-----------------------|
| Card Type                  | Card Model                               | Configurations:<br>IRQ Port Addr. DMA |      |   | O.S. Environment                                   | Status Remark         |
| 100BaseTx                  | ASUS PCI-DEC100TX+ Rev.01                | Auto                                  | Auto |   | NT WKS V4.0 (Chinese-Simplified)                   | Pass                  |
|                            | ASUS PCI-L101                            | Auto                                  | Auto |   | NT WKS V4.0<br>NT Server V4.0                      | Pass                  |
|                            | 3Com 3C595TX Rev.B                       | Auto                                  | Auto |   | NT WKS V4.0 (Chinese-Traditional)                  | Pass                  |
|                            | 3Com 3C905TX Rev.B                       | Auto                                  | Auto |   | NT WKS V3.51                                       | Pass                  |
|                            | Accton EN1207 Rev.01                     | Auto                                  | Auto |   | NT WKS V5.0 Beta1                                  | Pass                  |
|                            | Cnet CN100TX                             | Auto                                  | Auto |   | NT Server V4.0 (Japanese)                          | Pass                  |
|                            | Cogent EM110TX                           | Auto                                  | Auto |   | NT WKS V4.0                                        | Pass                  |
|                            | Cogent EM440TX                           | Auto                                  | Auto |   | NT Server V4.0                                     | Pass                  |
|                            | Digital DE500XA                          | Auto                                  | Auto |   | NT Server V5.0 Beta1                               | Pass                  |
|                            | HP J3171                                 | Auto                                  | Auto |   | NT Server V3.51                                    | Pass                  |
|                            | Intel PILA8465                           | Auto                                  | Auto |   | NT Server V3.51                                    | Pass                  |
|                            | Intel PILA8465B                          | Auto                                  | Auto |   | NT WKS V3.51                                       | Pass                  |
|                            | Intel PILA8485                           | Auto                                  | Auto |   | NT WKS V3.51 (Japanese)                            | Pass                  |
|                            | SMC 9332DST                              | Auto                                  | Auto |   | NT WKS V4.0                                        | Pass                  |
| <b>Token-Ring Adapters</b> |                                          |                                       |      |   |                                                    |                       |
| Card Type                  | Card Model                               | Configurations:<br>IRQ Port Addr. DMA |      |   | O.S. Environment                                   | Status Remark         |
| Token-Ring (ISA)           | D-Link DT-220P (Plug and Play)           | Auto                                  | Auto |   | NT Server V4.0 (Chinese-Traditional)               | Pass                  |
|                            | IBM Auto 16/4 Adapter (Plug and Play)    | Auto                                  | Auto |   | NT Server V4.0 (Chinese-Traditional)               | Pass                  |
|                            | Intel PCL815X (Plug and Play)            | Auto                                  | 210  |   | NT Server V4.0                                     | Pass                  |
|                            | Olicom OC-3118 Rev.3 (Plug and Play)     | Auto                                  | Auto |   | NT Server V3.51 (Chinese-Traditional)              | Pass                  |
|                            | Proteon P1392Plus Rev.J (Plus and Play)  | 5                                     | A20  | 5 | NT Server V4.0 (Chinese-Traditional)               | Pass                  |
| Token-Ring (PCI)           | Olicom OC-3870 Rev.4                     | Auto                                  | Auto |   | NT WKS V3.51 (Japanese)                            | Pass                  |
|                            | Proteon P1690 Rev.B                      | Auto                                  | Auto |   | NT WKS V4.0 (Chinese-Traditional)                  | Pass                  |
|                            | Thomas-Conrad TC4048 Rev.C               | Auto                                  | Auto |   | NT Server V3.51                                    | Pass                  |
| <b>Modem Devices</b>       |                                          |                                       |      |   |                                                    |                       |
| Type                       | Model                                    | Peripheral Device                     |      |   | Application                                        | Status Remark         |
| Modems (Internal)          | Cardinal 28800 internal                  | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 28,800 BPS; COM1 |
| Modems (External)          | ADi CommuPack SVD 33600                  | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 33,600 BPS; COM1 |
|                            | ADi CommuPack SVD 56000                  | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 56,000 BPS; COM1 |
|                            | GVC SF-1156V//R                          | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 56,000 BPS; COM1 |
|                            | Hayes OPTIMA 288                         | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 28,800 BPS; COM1 |
|                            | USRobotics Sportster Voice 33.6 Faxmodem | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 33,600 BPS; COM1 |
|                            | ZyXEL U-336E                             | NT WKS V4.0                           |      |   | Dial up Internet, Netscape Upload / Download Files | Pass 33,600 BPS; COM1 |

| ISDN Devices          |                                        |                   |                                                    |                          |                 |
|-----------------------|----------------------------------------|-------------------|----------------------------------------------------|--------------------------|-----------------|
| Type                  | Model                                  | Peripheral Device | Application                                        | Status                   | Remark          |
| ISDN (Internal)       | ASUSCOM ISDN Internal Adapter          | NT WKS V4.0       | Dial up Internet, Netscape Upload / Download Files | Pass                     | 64,000 BPS      |
| ISDN (External)       | ZyXEL Elite 2864I                      | NT WKS V4.0       | Dial up Internet, Netscape Upload / Download Files | Pass                     | 64,000 BPS COM1 |
|                       | ZyXEL ISDN Terminal Adapter Omni TA128 | NT WKS V4.0       | Super Terminal, BBS Upload / Download Files        | Pass                     | 64,000 BPS COM2 |
| LS-120 Devices        |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| IDE                   | O.R. Technology FD-3120A (LS-120)      | NT WKS V4.0       | Pass                                               |                          |                 |
| M.O. Devices          |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| SCSI                  | Fujitsu Dyna M2513S2B                  | NT Server V4.0    | Pass                                               |                          |                 |
|                       | Fujitsu TeraSys M2513A6                | NT Server V4.0    | Pass                                               |                          |                 |
|                       | Mitsubishi MCA640                      | NT Server V4.0    | Pass                                               |                          |                 |
| IDE                   | Fujitsu M2541BE02                      | NT WKS V4.0       | Pass                                               |                          |                 |
| Printer Devices       |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| Parallel              | HP LaserJet 5L                         | NT WKS V4.0       | Pass                                               |                          |                 |
| Removable HDD Devices |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| SCSI                  | lomega V1000Si JAZ                     | NT Server V4.0    | Pass                                               |                          |                 |
|                       | lomega V1000S JAZ                      | NT Server V4.0    | Pass                                               |                          |                 |
| Tape Devices          |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| SCSI                  | Seagate ST80000                        | NT Server V4.0    | Pass                                               |                          |                 |
| ZIP Devices           |                                        |                   |                                                    |                          |                 |
| Type                  | Model                                  | O.S. Environment  | Status                                             | Remark / Special Setting |                 |
| SCSI                  | lomega Z100Si                          | NT Server V4.0    | Pass                                               |                          |                 |
|                       | lomega Z100S2                          | NT Server V4.0    | Pass                                               |                          |                 |
| IDE                   | lomega Z100iDE                         | NT WKS V4.0       | Pass                                               |                          |                 |

### 3.3 Field (stress) Test for Networking Environment

| Test Type      | Windows NT Workstation V3.51 test                                                                                                                                                 |          |          |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| Configuration  | Intel Pentium II-350 * 2 + 64MB(SDRAM 64MB) + 512KB(Internal) + ASUS PCI-SC875 + WD WDE2170W + Pioneer DR-U24X CD-ROM + ASUS AGP-V3000L + Cent CN288PNP + Microsoft IntelliMouse  |          |          |
|                | 1 * Workstation (NT WKS V3.51)<br>1 * Server (NT Server V4.0)                                                                                                                     |          |          |
| Test Procedure | Workstation (NT WKS V3.51): Run multitasking programs, network I/O test.<br>Server (NT Server V4.0): Allows other user to log-on and connect.                                     |          |          |
| Result         | Pass                                                                                                                                                                              | Duration | 16 Hours |
| Test Type      | Windows NT Server V4.0(Japanese) test                                                                                                                                             |          |          |
| Configuration  | Intel Pentium II-350 + 48MB(SDRAM 32MB+ 16MB) + 512KB(Internal) + Buslogic BT950W + Seagate ST34371W + Sony CDU415 CD-ROM + ASUS AGP-V3000 + 3COM 3C509TP + Logitech Serial Mouse |          |          |
|                | 1 * Server (NT Server V4.0(Japanese))<br>1 * Server (NT Server V4.0)                                                                                                              |          |          |
| Test Procedure | Server (NT Server V4.0(Japanese)): Run multitasking programs, network I/O test.<br>Server (NT Server V4.0): Allows other user to log-on and connect.                              |          |          |
| Result         | Pass                                                                                                                                                                              | Duration | 15 Hours |

|                       |                                                                                                                                                                                                                                                                         |                 |                  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|
| <b>Test Type</b>      | <b>Windows NT Workstation V4.0 test</b>                                                                                                                                                                                                                                 |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + On-board IDE + Seagate ST31276A + Vuego CD616A CD-ROM + ASUS AGP-V3000 + HP J3171 + Logitech First Mouse Super                                                                                      |                 |                  |
|                       | 1 * Workstation (NT WKS V4.0)                                                                                                                                                                                                                                           |                 |                  |
|                       | 1 * Servers (NT Server V4.0)                                                                                                                                                                                                                                            |                 |                  |
| <b>Test Procedure</b> | Workstation (NT WKS V4.0): Run multitasking programs, network I/O test.<br>Server (NT Server V4.0): Allows other user to log-on and connect.                                                                                                                            |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                                                             | <b>Duration</b> | <b>15 Hours</b>  |
| <b>Test Type</b>      | <b>Windows NT Server V4.0 test</b>                                                                                                                                                                                                                                      |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-400 * 2 + 512MB(SDRAM 128MB * 4) + 512KB(Internal) + On-board AIC-7890AB + Seagate ST39173LW + ASUS PCI-DA2100 + IBM DGVS-950W + IBM DGHS-950W + IBM DDRS-39130W + Philips PCA163CD CD-ROM + ASUS PCI-V264GT2 + ASUS PCI-L101 + Microsoft Serial Mouse |                 |                  |
|                       | 1 * Server (NT Server V4.0)                                                                                                                                                                                                                                             |                 |                  |
|                       | 1 * Server (SCO UNIX R5.04)                                                                                                                                                                                                                                             |                 |                  |
| <b>Test Procedure</b> | Server (NT Server V4.0): Run multitasking programs, network I/O test.<br>Server (SCO UNIX R5.0.04): Run ping,telnet ....test From NT.                                                                                                                                   |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                                                             | <b>Duration</b> | <b>168 Hours</b> |
| <b>Test Type</b>      | <b>Windows NT V4.0 HCT test</b>                                                                                                                                                                                                                                         |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-300 * 2 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + On-board IDE + Maxtor 85250D6 + ASUS CD-S400 CD-ROM + ASUS AGP-V3000 + ASUS PCI-L101 + Logitech TrackMan                                                                                            |                 |                  |
|                       | 1 * Workstation (NT WKS V4.0)                                                                                                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Workstation (NT WKS V4.0): Executing system item.                                                                                                                                                                                                                       |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                                                             | <b>Duration</b> | <b>14 Hours</b>  |

## 4. IBM OS/2 Operating System Test

### 4.1.1 Software Compatibility Test

| O.S. Name                                      | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                                                                 |
|------------------------------------------------|---------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IBM OS/2 WARP Connect                          | V3.0    | IBM       | Pass   | On-board IDE + Seagate ST32531A + WD AC23200 + Quantum TX4000AT + Teac CD-524E CD-ROM + Leadtek Winfast S400 + Novell NE2000Plus-3 + Logitech First Mouse Super |
| IBM OS/2 WARP                                  | V4.0    | IBM       | Pass   | On-board IDE + Quantum SE4300AT + WD WDAC21600 + Quantum ST4320AT + Philips PCA163CD CD-ROM + ASUS 3DP-V3000L + Intel PCLA8205 + Logitech First Mouse Super     |
| IBM OS/2 WARP (Chinese-Traditional)            | V4.0    | IBM       | Pass   | Buslogic BT930 + Fujitsu M2954SYU + Sony CDU625 CD-ROM + Leadtek Winfast S400 + Acer ALN-315 + Logitech First Mouse Super                                       |
| IBM OS/2 WARP (Japanese)                       | V4.0    | IBM       | Pass   | On-board IDE + Maxtor 86480D6 + WD AC24300 + WD AC23200 + Philips PCA323CD CD-ROM + miro VIDEO 40SV ergo + Cogent EM964 + Logitech First Mouse Super            |
| IBM OS/2 WARP Server                           | V4.0    | IBM       | Pass   | ASUS PCI-AS300 + Quantum HN9100S + Teac CD-532S CD-ROM + ASUS 3DP-V3000L + Intel PILA8465 + Logitech First Mouse Super                                          |
| IBM OS/2 WARP Server SMP                       | V4.0    | IBM       | Pass   | On-board AIC-7890AB + WD WDE2170 + Plextor PX-32TSi CD-ROM + Leadtek Winfast S400 + 3COM 3C595TX + Logitech First Mouse Super                                   |
| IBM OS/2 WARP Server SMP (Chinese-Traditional) | V4.0    | IBM       | Pass   | ASUS PCI-SC875 + Quantum HN9100SW + Teac CD-532S CD-ROM + miro VIDEO 40SV ergo + Digital DE500XA + Logitech First Mouse Super                                   |

### 4.1.2 Application Software Compatibility

| Applications                      |            |           |                                      |        |                                                                            |
|-----------------------------------|------------|-----------|--------------------------------------|--------|----------------------------------------------------------------------------|
| Package Name                      | Version    | Publisher | O.S. Environment                     | Status | Features Tested                                                            |
| IBM Works                         | V3.0       | IBM       | OS/2 WARP V4.0                       | Pass   | Install from CD-ROM, and execute open, modify, save, quit, ..etc.          |
| FaxWorks for OS/2                 | V3.00 Lite | IBM       | OS/2 WARP V4.0                       | Pass   | Send / Receive FAX Document.                                               |
| Lotus Notes (Chinese-Traditional) | V4.5       | Lotus     | OS/2 WARP V4.0 (Chinese-Traditional) | Pass   | Install from CD-ROM, Run Notes Workstation open , modify, save, quit ..etc |

## 4.2 Hardware Compatibility Test

| IDE Controller     |                                                      |        |                                                    |        |                                      |                             |
|--------------------|------------------------------------------------------|--------|----------------------------------------------------|--------|--------------------------------------|-----------------------------|
| Card Type          | Primary IDE                                          |        | Secondary IDE                                      |        | O.S. Environment                     | Status                      |
|                    | H.D.D./CD-ROM (Mode/Speed)                           | M/S    | H.D.D./CD-ROM (Mode/Speed)                         | M/S    |                                      |                             |
| On-board IDE (PCI) | Fujitsu MPB3021AT (DMA33)<br>IBM DAQA-32160 (4)      | M<br>S | WD AC12100 (DMA33)<br>Teac CD-516E (16X)           | M<br>S | OS/2 WARP Connect V3.0               | Pass                        |
|                    | Fujitsu MPB3021AT (DMA33)<br>Philips PCA323CD (32X)  | M<br>S | None                                               |        | OS/2 WARP V4.0                       | Fail<br>Refer to Part E 2.5 |
|                    | Fujitsu MPB3052AT (DMA33)<br>Philips PCA243CD (24X)  | M<br>S | Samsung VG33402A (DMA33)<br>Maxtor 82560D3 (DMA33) | M<br>S | OS/2 WARP V4.0                       | Pass                        |
|                    | Fujitsu MPA3017AT (4)<br>WD AC12100 (DMA33)          | M<br>S | Sony CDU571 (16X)<br>Quantum TX4000AT (DMA33)      | M<br>S | OS/2 WARP Connect V3.0               | Pass                        |
|                    | IBM DAQA-32160 (4)<br>Quantum TM3200AT (4)           | M<br>S | Fujitsu MPA3017AT (4)<br>Sony CDU571 (16X)         | M<br>S | OS/2 WARP Server V4.0                | Pass                        |
|                    | Maxtor 88400D8 (DMA33)<br>Funai E2950UA (16X)        | M<br>S | Quantum SE2100AT (DMA33)                           | M<br>S | OS/2 WARP V4.0                       | Pass                        |
|                    | Maxtor 86480D6 (DMA33)<br>WD AC24300 (DMA33)         | M<br>S | WD AC23200 (DMA33)<br>Philips PCA323CD (32X)       | M<br>S | OS/2 WARP V4.0 (Japanese)            | Pass                        |
|                    | Quantum SE2100AT (DMA33)<br>Fujitsu M1636TAU (4)     | M<br>S | ASUS CD-S400 (40X)                                 | M      | OS/2 WARP V4.0                       | Pass                        |
|                    | Quantum SE2100AT (DMA33)<br>Samsung VG33402A (DMA33) | M<br>S | Micropolis 4540A (4)<br>Sony CDU611 (24X)          | M<br>S | OS/2 WARP V4.0 (Japanese)            | Pass                        |
|                    | Quantum SE4300AT (DMA33)<br>WD WDAC21600 (4)         | M<br>S | Quantum ST4320AT (DMA33)<br>Philips PCA163CD (16X) | M<br>S | OS/2 WARP V4.0                       | Pass                        |
|                    | Quantum TM2110AT (4)<br>Samsung VG33402A (DMA33)     | M<br>S | Fujitsu MPA3017AT (4)<br>Funai E2950UA (16X)       | M<br>S | OS/2 WARP Connect V3.0               | Pass                        |
|                    | Quantum TX4000AT (DMA33)<br>Quantum TX4000AT (DMA33) | M<br>S | Quantum TX8000AT (DMA33)<br>Sonv CDU571 (16X)      | M<br>S | OS/2 WARP V4.0 (Chinese-Traditional) | Pass                        |

| IDE Controller        |                                                  |                                                                                              |                            |                                                 |                        |        |
|-----------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------|------------------------|--------|
| Card Type             | Primary IDE                                      |                                                                                              | Secondary IDE              |                                                 | O.S. Environment       | Status |
|                       | H.D.D./CD-ROM (Mode/Speed)                       | M/S                                                                                          | H.D.D./CD-ROM (Mode/Speed) | M/S                                             |                        |        |
| On-board IDE (PCI)    | Samsung VG33402A (DMA33)                         | M                                                                                            | Quantum SE2100AT (DMA33)   | M                                               | OS/2 WARP V4.0         | Pass   |
|                       | Micropolis 4540A (4)                             | S                                                                                            | BTC BCD24X (24X)           | S                                               |                        |        |
|                       | Seagate ST32531A (4)                             | M                                                                                            | Quantum TX4000AT (DMA33)   | M                                               | OS/2 WARP Connect V3.0 | Pass   |
|                       | WD AC23200 (DMA33)                               | S                                                                                            | Teac CD-524E (24X)         | S                                               |                        |        |
|                       | Seagate ST33232A (DMA33)                         | M                                                                                            | WD AC23200 (DAM33)         | M                                               | OS/2 WARP Connect V3.0 | Pass   |
|                       | Quantum TM2110AT (4)                             | S                                                                                            | BTC BCD24X (24X)           | S                                               |                        |        |
|                       | WD AC36400 (DMA33)                               | M                                                                                            | WD AC12100 (DMA33)         | M                                               | OS/2 WARP V4.0         | Pass   |
|                       | Maxtor 82560D3 (DMA33)                           | S                                                                                            | Acer CD616A (16X)          | S                                               |                        |        |
| SCSI Disk Controllers |                                                  |                                                                                              |                            |                                                 |                        |        |
| Card Type             | Card Model                                       | H.D.D.                                                                                       | CD-ROM                     | O.S. Environment                                | Status                 |        |
| SCSI (ISA)            | Adaptec AHA-1542CP Rev.B (BIOS:V1.02)            | NEC DSE2550S                                                                                 | Toshiba XM-6201B           | OS/2 WARP Connect V3.0                          | Pass                   |        |
| SCSI (PCI)            | On-board AIC-7890AB                              | WD WDE2170                                                                                   | Plextor PX-32TSi           | OS/2 WARP Server SMP V4.0                       | Pass                   |        |
|                       |                                                  | Seagate ST32155W                                                                             | Teac CD-532S               | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)              | Quantum HN9100S                                                                              | Teac CD-532S               | OS/2 WARP Server V4.0                           | Pass                   |        |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)              | Quantum HN9100SW                                                                             | Teac CD-532S               | OS/2 WARP Server SMP V4.0 (Chinese-Traditional) | Pass                   |        |
|                       | Adaptec AHA-2940AU Rev.A (BIOS:V1.30)            | Quantum VK4550S                                                                              | NEC CDR-1810A              | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | Adaptec AHA-2940U Dual Rev.B (BIOS:V1.33)        | Seagate ST34501N                                                                             | Pioneer DR-U24X            | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | Adaptec AHA-2940UW Rev.C (BIOS:V1.25)            | Quantum HN4550S                                                                              | NEC CDR-1610A              | OS/2 WARP Server V4.0                           | Pass                   |        |
|                       | Adaptec AHA-3940UW Rev.A (BIOS:V1.25)            | Quantum HN2275SW                                                                             | Pioneer DR-U24X            | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | AdvanSys ABP-930UA Rev.1 (BIOS:V2.8C)            | WD WDE2170                                                                                   | Snoy CDU625                | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | AdvanSys ABP-940U Rev.A (BIOS:V2.6L)             | WD WDE4360                                                                                   | Teac CD-532S               | OS/2 WARP Connect V3.0                          | Pass                   |        |
|                       | Buslogic BT932 Rev.A (BIOS:V1.41d)               | Fujitsu M2954SYU                                                                             | Snoy CDU625                | OS/2 WARP V4.0 (Chinese-Traditional)            | Pass                   |        |
|                       | Buslogic BT948C Rev.Ab (BIOS:V4.96F)             | Micropolis 4345AV                                                                            | Teac CD-532S               | OS/2 WARP V4.0 (Japanese)                       | Pass                   |        |
|                       | Buslogic BT950 Rev.A (BIOS:V1.41d)               | Quantum HN9100S                                                                              | Panasonic CR-506-B         | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | DPT PM2144UW (BIOS:V003.DS)                      | Seagate ST34501N                                                                             | Plextor PX-20TSi           | OS/2 WARP Server V4.0                           | Pass                   |        |
|                       | Initio INI-9100UW Rev.E (BIOS:V1.02)             | Seagate ST34371N                                                                             | Toshiba XM-6201B           | OS/2 WARP V4.0                                  | Pass                   |        |
|                       | Promise SCSIULTRA Rev.B (BIOS:V4.03)             | Seagate ST32155W                                                                             | Sony CDU625                | OS/2 WARP Connect V3.0                          | Pass                   |        |
| RAID Controllers      |                                                  |                                                                                              |                            |                                                 |                        |        |
| Card Type             | Card Model                                       | H.D.D.                                                                                       | CD-ROM                     | O.S. Environment                                | Status                 |        |
| RAID Controller       | ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A)             | Fujitsu M2952QAU<br>Seagate ST32171W                                                         | Teac CD-532S               | OS/2 WARP Connect V3.0                          | Pass                   |        |
|                       | DPT PM3334UW (BIOS:V003.DS)                      | IBM DCAS-34330W * 2                                                                          | Pioneer DR-U24X            | OS/2 WARP V4.0                                  | Pass                   |        |
| Graphic Adapters      |                                                  |                                                                                              |                            |                                                 |                        |        |
| Card Type             | Card Model                                       | Peripheral Device                                                                            | O.S. Environment           | Status                                          | Remark                 |        |
| VGA (PCI)             | ASUS PCI-V264GT/Plus Rev.1.2 (BIOS:V3.8.0/3.007) | Fujitsu MPB3021AT (DMA33)<br>IBM DAQA-32160 (4)<br>WD AC12100 (DMA33)<br>Teac CD-516E (16X)  | OS/2 WARP Connect V3.0     | Pass                                            | ATI 3D RAGE II         |        |
|                       | ASUS PCI-V775V2C Rev.2.02 (BIOS:V1.01.04B)       | Fujitsu MPA3017AT (4)<br>WD AC12100 (DMA33)<br>Sony CDU571 (16X)<br>Quantum TX4000AT (DMA33) | OS/2 WARP Connect V3.0     | Pass                                            | S3-Trio64V2/DX         |        |
|                       | ASUS 3DP-V375DX Rev.1.04 (BIOS:V1.01.01A)        | Seagate ST33232A (DMA33)<br>Quantum TM2110AT (4)<br>WD AC23200 (DAM33)<br>BTC BCD24X (24X)   | OS/2 WARP Connect V3.0     | Pass                                            | S3-ViRGE/DX            |        |

| Graphic Adapters  |                                     |                                                                                                  |      |  |                                                               |        |                 |
|-------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|------|--|---------------------------------------------------------------|--------|-----------------|
| Card Type         | Card Model                          | Peripheral Device                                                                                |      |  | O.S. Environment                                              | Status | Remark          |
| VGA (PCI)         | Matrox MGA MIL/4+ Rev.A (BIOS:V2.2) | Samsung VG33402A (DMA33)<br>Micropolis 4540A (4)<br>Quantum SE2100AT (DMA33)<br>BTC BCD24X (24X) |      |  | OS/2 WARP V4.0                                                | Pass   | 64-BIT Graphics |
| Multimedia Kit    |                                     |                                                                                                  |      |  |                                                               |        |                 |
| Card Type         | Card Model                          | Peripheral Device                                                                                |      |  | O.S. Environment                                              | Status | Remark          |
| Sound Card        | ASUS I-A16C Rev.1.2                 | On-board AIC-7890AB<br>IBM DDRS-39130W<br>Pioneer DR-U24X                                        |      |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Creative Sound Blaster 32 PnP       | On-board AIC-7890AB Seagate<br>ST32155W<br>Teac CD-532S                                          |      |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Creative Sound Blaster AWE32 PnP    | Adaptec AHA-3940UW<br>Quantum HN2275SW<br>Pioneer DR-U24X                                        |      |  | OS/2 WARP V4.0                                                | Pass   |                 |
| Ethernet Adapters |                                     |                                                                                                  |      |  |                                                               |        |                 |
| Card Type         | Card Model                          | Configurations:<br>IRQ      Port Addr.    DMA                                                    |      |  | O.S. Environment                                              | Status | Remark          |
| Ethernet (ISA)    | 3COM 3C509B-TP (Plug and Play)      | 5                                                                                                | 300  |  | OS/2 WARP Connect V3.0<br>OS/2 WARP Server V4.0               | Pass   |                 |
|                   | Intel PCL8205                       | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Novell NE2000Plus-3                 | 5                                                                                                | 300  |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
| Ethernet (PCI)    | ASUS PCI-DEC10-TB+ Rev.B1           | Auto                                                                                             | Auto |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
|                   | 3COM 3C590C Rev.14                  | Auto                                                                                             | Auto |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
|                   | Accton EN1203 Rev.01C               | Auto                                                                                             | Auto |  | OS/2 WARP V4.0 (Chinese-Traditional)                          | Pass   |                 |
|                   | Compaq NETFLEX-3/P Rev.A            | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Cogent EM960                        | Auto                                                                                             | Auto |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
|                   | Cogent EM964                        | Auto                                                                                             | Auto |  | OS/2 WARP V4.0 (Japanese)                                     | Pass   |                 |
|                   | Digital DE450AC Rev.A01             | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | D-Link DE-530CT+ Rev.A1             | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | IBM PCI Ethernet Rev.B2             | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Intel PILA840X                      | Auto                                                                                             | Auto |  | OS/2 WARP V4.0 (Japanese)                                     | Pass   |                 |
|                   | Proteon P1670-EA                    | Auto                                                                                             | Auto |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
|                   | SMC 8432BT Rev.A                    | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
| 100BaseTx         | ASUS PCI-DEC100TX Rev.C6            | Auto                                                                                             | Auto |  | OS/2 WARP Server SMP V4.0                                     | Pass   |                 |
|                   | ASUS PCI-L101                       | Auto                                                                                             | Auto |  | OS/2 WARP Connect V3.0                                        | Pass   |                 |
|                   | 3Com 3C905TX Rev.B                  | Auto                                                                                             | Auto |  | OS/2 WARP Server V4.0<br>OS/2 WARP V4.0 (Chinese-Traditional) | Pass   |                 |
|                   | 3Com 3C595TX Rev.B                  | Auto                                                                                             | Auto |  | OS/2 WARP Server SMP V4.0                                     | Pass   |                 |
|                   | Acer ALN-315                        | Auto                                                                                             | Auto |  | OS/2 WARP Server V4.0<br>OS/2 WARP V4.0 (Chinese-Traditional) | Pass   |                 |
|                   | Accton EN1207 Rev.01                | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | CNET CN100TX                        | Auto                                                                                             | Auto |  | OS/2 WARP V4.0                                                | Pass   |                 |
|                   | Cogent EM110TX                      | Auto                                                                                             | Auto |  | OS/2 WARP Server SMP V4.0                                     | Pass   |                 |

| Ethernet Adapters    |                                               |                                             |      |      |                                                    |                          |                    |
|----------------------|-----------------------------------------------|---------------------------------------------|------|------|----------------------------------------------------|--------------------------|--------------------|
| Card Type            | Card Model                                    | Configurations:<br>IRQ    Port Addr.    DMA |      |      | O.S. Environment                                   | Status                   | Remark             |
| 100BaseTx            | Digital DE500XA                               | Auto                                        | Auto |      | OS/2 WARP Server SMP V4.0<br>(Chinese-Traditional) | Pass                     |                    |
|                      | Intel PILA8465                                | Auto                                        | Auto |      | OS/2 WARP Server V4.0                              | Pass                     |                    |
|                      | Intel PILA8465B                               | Auto                                        | Auto |      | OS/2 WARP V4.0                                     | Pass                     |                    |
|                      | SMC 9332DST                                   | Auto                                        | Auto |      | OS/2 WARP V4.0                                     | Pass                     |                    |
| Token-Ring Adapters  |                                               |                                             |      |      |                                                    |                          |                    |
| Card Type            | Card Model                                    | Configurations:<br>IRQ    Port Addr.    DMA |      |      | O.S. Environment                                   | Status                   | Remark             |
| Token-Ring<br>(ISA)  | D-Link DT-220P                                | Auto                                        | Auto |      | OS/2 WARP Connect V3.0                             | Pass                     |                    |
|                      | IBM Auto 16/4 Adapter<br>(Plug and Play)      | Auto                                        | Auto |      | OS/2 WARP Server SMP V4.0<br>(Chinese-Traditional) | Pass                     |                    |
|                      | Intel PCLA815X<br>(Plug and Play)             | Auto                                        | Auto |      | OS/2 WARP Server V4.0                              | Pass                     |                    |
|                      | Olicom OC-3118<br>Rev.3 (Plug and Play)       | Auto                                        | Auto | Auto | OS/2 WARP Connect V3.0                             | Pass                     |                    |
|                      | Proteon P1392Plus<br>Rev.J (Plus and Play)    | 5                                           | A20  | 5    | OS/2 WARP Connect V3.0                             | Pass                     |                    |
| Token-Ring<br>(PCI)  | Olicom OC-3870<br>Rev.4                       | Auto                                        | Auto |      | OS/2 WARP Connect V3.0                             | Pass                     |                    |
|                      | Proteon P1690<br>Rev.B                        | Auto                                        | Auto |      | OS/2 WARP V4.0                                     | Pass                     |                    |
|                      | Thomas-Conrad TC4048<br>(Plug and Play) Rev.A | Auto                                        | Auto |      | OS/2 WARP V4.0                                     | Pass                     |                    |
| Modem Devices        |                                               |                                             |      |      |                                                    |                          |                    |
| Type                 | Model                                         | O.S. Environment                            |      |      | Application                                        | Status                   | Remark             |
| Modems<br>(Internal) | Compeq Netellgent 56K                         | OS/2 WARP V4.0                              |      |      | IBM Dial-Up for TCP/IP<br>FTP-PM Upload / Download | Pass                     | 56,000 BPS<br>COM2 |
| Modems<br>(External) | ADI SVD-56K6RE/S00                            | OS/2 WARP V4.0                              |      |      | IBM Dial-Up for TCP/IP<br>FTP-PM Upload / Download | Pass                     | 56,000 BPS<br>COM2 |
|                      | USRobotics 56K<br>Sportster                   | OS/2 WARP V4.0                              |      |      | IBM Dial-Up for TCP/IP<br>FTP-PM Upload / Download | Pass                     | 56,000 BPS<br>COM2 |
|                      | GVC SF-1156V/R                                | OS/2 WARP V4.0                              |      |      | IBM Dial-Up for TCP/IP<br>FTP-PM Upload / Download | Pass                     | 56,000 BPS<br>COM2 |
|                      | ZYXEL U-336E                                  | OS/2 WARP V4.0                              |      |      | IBM Dial-Up for TCP/IP<br>FTP-PM Upload / Download | Pass                     | 28,800 BPS<br>COM2 |
| Printer Devices      |                                               |                                             |      |      |                                                    |                          |                    |
| Type                 | Model                                         | O.S. Environment                            |      |      | Status                                             | Remark / Special Setting |                    |
| Parallel             | HP LaserJet 5L                                | OS/2 WARP V4.0                              |      |      | Pass                                               |                          |                    |
| M.O. Devices         |                                               |                                             |      |      |                                                    |                          |                    |
| Type                 | Model                                         |                                             |      |      | Status                                             | Remark / Special Setting |                    |
| SCSI                 | Fujitsu Dyna M2513S2B                         | OS/2 WARP V4.0                              |      |      | Pass                                               |                          |                    |
|                      | Mitsubishi MCA640                             | OS/2 WARP V4.0                              |      |      | Pass                                               |                          |                    |

### 4.3 Field (stress) Test For Networking Environment

|                       |                                                                                                                                                                                                |                 |                 |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>IBM OS/2 WARP Server SMP V4.0 test</b>                                                                                                                                                      |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 32MB(SDRAM 32MB) + 512KB(Internal) + On-board AIC-7890AB + WD WDE2170 + Plextor PX-32TSi CD-ROM + Leadtek Winfast S400 + 3COM 3C595TX + Logitech First Mouse Super  |                 |                 |
|                       | 1 * Server (OS/2 WARP Server SMP V4.0)<br>1 * Client (OS/2 WARP V4.0)                                                                                                                          |                 |                 |
| <b>Test Procedure</b> | Server : Run multitasking program and network I/O test.<br>Client : Run multitasking program and get data transfer between Server and client.                                                  |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                    | <b>Duration</b> | <b>15 Hours</b> |
| <b>Test Type</b>      | <b>IBM OS/2 WARP Server V4.0 test</b>                                                                                                                                                          |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 64MB(SDRAM 64MB) + 512KB(Internal) + DPT PM2144UW + Seagate ST34501N + Plextor PX-20TSi CD-ROM + ASUS 3DP-V3000L + Acer ALN-315 + Logitech First Mouse Super            |                 |                 |
|                       | 1 * Server (OS/2 WARP Server V4.0)<br>1 * Client (OS/2 WARP V4.0)                                                                                                                              |                 |                 |
| <b>Test Procedure</b> | Server : Run multitasking program and network I/O test.<br>Client : Run multitasking program and get data transfer between Server and client.                                                  |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                    | <b>Duration</b> | <b>15 Hours</b> |
| <b>Test Type</b>      | <b>IBM OS/2 WARP V4.0 test</b>                                                                                                                                                                 |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 32MB(SDRAM 32MB) + 512KB(Internal) + On-board AIC-7890AB + Seagate ST32155W + Teac CD-532S CD-ROM + Leadtek Winfast S400 + Intel PILA8465B + Logitech First Mouse Super |                 |                 |
|                       | 1 * Client (OS/2 WARP V4.0)<br>1 * Server (OS/2 WARP Server V4.0)                                                                                                                              |                 |                 |
| <b>Test Procedure</b> | Server : Allows other user to log-on and connect.<br>Client : Run multitasking program and get data transfer between Server and client.                                                        |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                    | <b>Duration</b> | <b>63 Hours</b> |
| <b>Test Type</b>      | <b>IBM OS/2 WARP V4.0 CTK test</b>                                                                                                                                                             |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 + 64MB(SDRAM 64MB) + 512KB(Internal) + On-board AIC-7890AB + IBM DDRS-39130W + Pioneer DR-U24X CD-ROM + miro VIDEO 40SV ergo + ASUS I-A16C + Logitech First Mouse Super   |                 |                 |
|                       | 1 * Peer (OS/2 WARP V4.0)                                                                                                                                                                      |                 |                 |
| <b>Test Procedure</b> | Run Stress Test items.                                                                                                                                                                         |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                    | <b>Duration</b> | <b>6 Hours</b>  |

## 5. Novell NetWare Operating System Test

### 5.1 Software Compatibility Test

#### 5.1.1 Network Operating System Compatibility

| O.S. Name          | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                                                                                                         |
|--------------------|---------|-----------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Netware 386</b> | V3.12   | Novell    | Pass   | DPT PM2144UW + IBM DDFS-34560W + ASUS AGP-V3000 + SMC 9332DST + SMC 8432BT + HP J2973A                                                                                                                  |
| <b>Netware</b>     | V4.1    | Novell    | Pass   | ASUS PCI-DA2100 + Quantum VK4550SW + IBM DDFS-34560W + ASUS AGP-V385GT2 + Adaptec ANA-6944TX                                                                                                            |
| <b>Netware</b>     | V4.11   | Novell    | Pass   | DPT PM3334UW + Quantum VK4550SW + WD WDE4360W + IBM DDFS-34560W + On-board IDE + Pioneer DR-A04S CD-ROM + ASUS AGP-V264GT2 + Intel PILA8485 + HP J3171A + HP J2973A + Olicom OC-3118 + D-Link DE-220PCT |

#### 5.1.2 Application Software Compatibility

| <b>Network Backup</b>               |         |            |                  |        |                                                                            |
|-------------------------------------|---------|------------|------------------|--------|----------------------------------------------------------------------------|
| Package Name                        | Version | Publisher  | O.S. Environment | Status | Features Tested                                                            |
| <b>ARCserve for Netware</b>         | V6.1    | Cheyenne   | NetWare V4.11    | Pass   | Backup/restore, device management<br>Run on server with Adapter AHA-2940UW |
| <b>Network Benchmark</b>            |         |            |                  |        |                                                                            |
| Package Name                        | Version | Publisher  | O.S. Environment | Status | Features Tested                                                            |
| <b>NetBench</b>                     | V5.01   | Ziff-Davis | NetWare V4.11    | Pass   | Run all mixes with on-board Adaptec AIC-7890AB.                            |
| <b>ServerBench for Netware V4.X</b> | V3.0    | Ziff-Davis | NetWare V4.11    | Pass   | Run all mixes with on-board Adaptec AIC-7890AB.                            |

## 5.2 Hardware Compatibility Test

| IDE Controller        |                                        |                                 |                            |                  |                  |        |
|-----------------------|----------------------------------------|---------------------------------|----------------------------|------------------|------------------|--------|
| Card Type             | Primary IDE                            |                                 | Secondary IDE              |                  | O.S. Environment | Status |
|                       | H.D.D./CD-ROM (Mode/Speed)             | M/S                             | H.D.D./CD-ROM (Mode/Speed) | M/S              |                  |        |
| On-board IDE (PCI)    | Seagate ST34520A (DMA33)               | M                               | None                       | M                | NetWare V4.11    | Pass   |
|                       | Hitachi CRD-8430 (32X)                 | S                               |                            |                  |                  |        |
|                       | Fujitsu MPB3023AT (DMA33)              | M                               | None                       |                  | NetWare V4.11    | Pass   |
|                       | Philips PCA243CD (24X)                 | S                               |                            |                  |                  |        |
|                       | IBM DCAA-33610 (4)                     | M                               | Panasonic CR-586-B (32X)   | M                | NetWare V4.11    | Pass   |
|                       | Quantum SE2100AT (DMA33)               | S                               |                            |                  |                  |        |
|                       | Quantum TX4000AT (DMA33)               | M                               | Acer 632A (32X)            | M                | NetWare V4.11    | Pass   |
|                       | IBM DHEA-38451 (DMA33)                 | M                               | ASUS PCI-S340 (34X)        | M                | NetWare V4.11    | Pass   |
|                       | Maxtor 82560D3 (4)                     | M                               | Pioneer DR-A04S (32X)      | M                | NetWare V4.11    | Pass   |
| SCSI Disk Controllers |                                        |                                 |                            |                  |                  |        |
| Card Type             | Card Model                             | H.D.D.                          | CD-ROM                     | O.S. Environment | Status           |        |
| SCSI (ISA)            | Adaptec AHA-1542CF Rev.C (BIOS:V2.02)  | Quantum HN4550S                 | None                       | NetWare V3.12    | Pass             |        |
|                       | Adaptec AHA-1542CP Rev.B (BIOS:V1.02)  | Quantum HN4550S                 | Pioneer DT-U06S            | NetWare V4.11    | Pass             |        |
| SCSI (PCI)            | ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)    | Seagate ST34501W                | NEC CDR-1610A              | NetWare V4.11    | Pass             |        |
|                       | ASUS PCI-SC200 Rev.1.2 (BIOS:V4.03)    | Seagate ST52160N                | None                       | NetWare V3.12    | Pass             |        |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)    | IBM DCAS-34330W                 | Plextor PX-20TSi           | NetWare V4.11    | Pass             |        |
|                       | Adaptec AHA-2940UW Rev.F (BIOS:V1.25)  | IBM DGVS-950W                   | None                       | NetWare V4.1     | Pass             |        |
|                       | Adaptec AHA-2940AU Rev.A (BIOS:V1.25)  | Quantum TM3200S                 | Sony CDU415                | NetWare V4.1     | Pass             |        |
|                       | Adaptec AHA-3940UW Rev.B (BIOS:V1.24)  | Quantum VK4550SW<br>WD WDE4360W | Panasonic CR-506-B         | NetWare V4.11    | Pass             |        |
|                       | AdvanSys ABP-930UA Rev.1 (BIOS:V2.8.0) | Seagate ST52160N                | None                       | NetWare V3.12    | Pass             |        |
|                       | AdvanSys ABP-940U                      | Seagate ST19101N                | NEC CDR-1610A              | NetWare V4.11    | Pass             |        |

|  |                     |  |  |  |
|--|---------------------|--|--|--|
|  | Rev.2 (BIOS:V2.6.0) |  |  |  |
|--|---------------------|--|--|--|

| SCSI Disk Controllers |                                          |                                     |                    |                  |        |
|-----------------------|------------------------------------------|-------------------------------------|--------------------|------------------|--------|
| Card Type             | Card Model                               | H.D.D.                              | CD-ROM             | O.S. Environment | Status |
| SCSI (PCI)            | Buslogic BT932 Rev.A (BIOS:V1.41d)       | Quantum HN4550S<br>Seagate ST52160N | Sony CDU625        | NetWare V4.11    | Pass   |
|                       | Buslogic BT948C Rev.Ab (BIOS:4.96F)      | IBM DGHS-950W                       | None               | NetWare V4.1     | Pass   |
|                       | Buslogic BT950 Rev.A (BIOS:V1.41d)       | IBM DDRS-34560W                     | None               | NetWare V3.12    | Pass   |
|                       | DPT PM2144UW (BIOS:V003.DS)              | IBM DDRS-34560W                     | None               | NetWare V3.12    | Pass   |
|                       | Initio INI-9100UW Rev.E (BIOS:1.02)      | Seagate ST32171W                    | NEC CDR-1410A      | NetWare V4.11    | Pass   |
|                       | On-board Adaptec AIC-7890AB (BIOS:V1.50) | Seagate ST34371N                    | NEC CDR-1810A      | NetWare V4.11    | Pass   |
|                       | Promise SCSIUltra Rev.B (BIOS:V4.3)      | Quantum VK4550SW                    | Panasonic CR-508-B | NetWare V4.11    | Pass   |

| RAID Controllers |                                      |                                                    |                                 |                  |        |
|------------------|--------------------------------------|----------------------------------------------------|---------------------------------|------------------|--------|
| Card Type        | Card Model                           | H.D.D.                                             | CD-ROM                          | O.S. Environment | Status |
| RAID Controller  | ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A) | WD WDE4360W<br>IBM DDRS-34560W                     | None                            | NetWare V4.1     | Pass   |
|                  | Adaptec AAA-133 Rev.A (BIOS:V2.0)    | Quantum VK4550SW<br>WD WDE4360W<br>IBM DDRS-34560W | None                            | NetWare V3.12    | Pass   |
|                  | DPT PM3334UW (BIOS:V009.A0)          | Quantum VK4550SW<br>WD WDE4360W<br>IBM DDRS-34560W | On-board IDE<br>Pioneer DR-A04S | NetWare V4.11    | Pass   |
|                  | Mylex DAC-960P                       | Quantum VK4550SW<br>WD WDE4360W<br>IBM DDRS-34560W | On-board IDE<br>ASUS CD-S340    | NetWare V4.11    | Pass   |

| Ethernet Adapters |                                        |                 |      |           |                                                |        |             |         |
|-------------------|----------------------------------------|-----------------|------|-----------|------------------------------------------------|--------|-------------|---------|
| Card Type         | Card Model                             | Configurations: |      |           | O.S. Environment                               | Status | Driver Name |         |
|                   |                                        | IRQ             | Port | Addr. DMA |                                                |        | Server      | Client  |
| Ethernet (ISA)    | 3COM 3C509B-TP (Plug and Play)         | 5               | 360  |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | 3c5x9       | 3c5x9   |
|                   | Accton EN166X Rev.02 (Plug and Play)   | Auto            | Auto |           | NetWare V4.11                                  | Pass   | acc6x       | mpx2pnp |
|                   | Cnet 288PnP Rev.A (Plug and Play)      | Auto            | Auto |           | NetWare V3.12                                  | Pass   | e200p       | e200p   |
|                   | Cnet 888E Rev.1.4                      | 3               | 340  |           | NetWare V3.12                                  | Pass   | enet16a     | enet16a |
|                   | D-Link DE220PCT Rev.C1 (Plug and Play) | Auto            | Auto |           | NetWare V4.11                                  | Pass   | de22x       | de22x   |
|                   | HP NC/16TP Rev.D                       | 5               | 300  | 7         | NetWare V4.11                                  | Pass   | am2100      | am2100  |
|                   | Intel PCLA8200                         | 5               | 360  |           | NetWare V4.11                                  | Pass   | epro        | eproodi |
|                   | Intel PCLA8205                         | 5               | 340  |           | NetWare V4.1<br>NetWare V4.11                  | Pass   | epro        | eproodi |
|                   | Novell NE2000Plus-3                    | 5               | 300  |           | NetWare V4.11                                  | Pass   | ne2000      | ne2000  |
|                   | SMC 8013WC Rev.A                       | 3               | 280  |           | NetWare V4.11                                  | Pass   | smc8000     | smc8000 |
| Ethernet (PCI)    | ASUS PCI-DEC10-TB+ Rev.B1              | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | ethpci      | ethpci  |
|                   | 3COM 3C590C Rev.14                     | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | 3c59x       | 3c59x   |
|                   | 3COM 3C900C Rev.14                     | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.1<br>NetWare V4.11 | Pass   | 3c90x       | 3c90x   |
|                   | Accton EN1203 Rev.01C                  | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | pci40       | pcimlid |
|                   | Accton EN1208 Rev.01A                  | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | 1208odi     | 1208odi |
|                   | Compaq NETFLEX-3/P Rev.A               | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | cpqnf3      | cpqnf3  |

|  |                           |      |      |  |                                |      |       |       |
|--|---------------------------|------|------|--|--------------------------------|------|-------|-------|
|  | <i>Adaptec ANA-6901TX</i> | Auto | Auto |  | NetWare V3.12<br>NetWare V4.11 | Pass | empci | empci |
|--|---------------------------|------|------|--|--------------------------------|------|-------|-------|

| <b>Ethernet Adapters</b> |                                            |                 |      |           |                                                |        |             |          |
|--------------------------|--------------------------------------------|-----------------|------|-----------|------------------------------------------------|--------|-------------|----------|
| Card Type                | Card Model                                 | Configurations: |      |           | O.S. Environment                               | Status | Driver Name |          |
|                          |                                            | IRQ             | Port | Addr. DMA |                                                |        | Server      | Client   |
| <b>Ethernet (PCI)</b>    | <i>Digital DE450AC Rev.A01</i>             | Auto            | Auto |           | NetWare V4.11                                  | Pass   | de450       | de450    |
|                          | <i>D-Link DE-530CT+ Rev.A1</i>             | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | dlkpci      | dlkpci   |
|                          | <i>HP J2973A</i>                           | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | hptxodim    | hptxodim |
|                          | <i>IBM PCI Ethernet Rev.B2</i>             | Auto            | Auto |           | NetWare V4.11                                  | Pass   | ibmeanws    | ibmeanwc |
|                          | <i>Intel PILA840X</i>                      | Auto            | Auto |           | NetWare V4.1<br>NetWare V4.11                  | Pass   | e10p        | e10podi  |
|                          | <i>Proteon P1670-EA</i>                    | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | pci40       | pcimlid  |
|                          | <i>SMC 8432BT Rev.A</i>                    | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | smcpwr      | smcpwr   |
|                          | <i>Thomas-Conrad TC5048 Rev.A</i>          | Auto            | Auto |           | NetWare V4.1                                   | Pass   | tce32pch    | tce32pcw |
|                          | <i>Xpoint Dual PeerSwitch 10/100 Rev.2</i> | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.1                  | Pass   | thpci2tx    | N/A      |
| <b>100BaseTx</b>         | <i>Acer ALN-315</i>                        | Auto            | Auto |           | NetWare V4.11                                  | Pass   | aln315      | aln315   |
|                          | <i>ASUS PCI-DEC100TX+ Rev.01</i>           | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.1<br>NetWare V4.11 | Pass   | ethpci      | ethpci   |
|                          | <i>ASUS PCI-L101 Rev.1.03</i>              | Auto            | Auto |           | NetWare V4.11                                  | Pass   | e100b       | e100bodi |
|                          | <i>3Com 3C595TX Rev.B</i>                  | Auto            | Auto |           | NetWare V4.11                                  | Pass   | 3c59x       | 3c59x    |
|                          | <i>3Com 3C905TX Rev.B</i>                  | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.1<br>NetWare V4.11 | Pass   | 3c90x       | 3c90x    |
|                          | <i>3Com 3C905B-TX Rev.B</i>                | Auto            | Auto |           | NetWare V4.11                                  | Pass   | 3c90x       | 3c90x    |
|                          | <i>Accton EN1207B-TX Rev.01</i>            | Auto            | Auto |           | NetWare V4.1<br>NetWare V4.11                  | Pass   | pci40       | pcimlid  |
|                          | <i>CNet CN100TX</i>                        | Auto            | Auto |           | NetWare V4.11                                  | Pass   | dc21x4      | dc21x4   |
|                          | <i>Adaptec ANA-6911TX</i>                  | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | empci       | empci    |
|                          | <i>Adaptec ANA-6944TX</i>                  | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | empci       | empci    |
|                          | <i>Digital DE500XA</i>                     | Auto            | Auto |           | NetWare V3.12                                  | Pass   | de500       | de500    |
|                          | <i>D-Link DFE-500TX Rev.B4</i>             | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.1<br>NetWare V4.11 | Pass   | dlkpci      | dlkpci   |
|                          | <i>HP J3171A</i>                           | Auto            | Auto |           | NetWare V4.1<br>NetWare V4.11                  | Pass   | hptx        | hptxodi  |
|                          | <i>Intel EtherExpress PRO/100+</i>         | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | e100b       | e100bodi |
|                          | <i>Intel PILA8465B</i>                     | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | e100b       | e100bodi |
|                          | <i>Intel PILA8485</i>                      | Auto            | Auto |           | NetWare V4.11                                  | Pass   | e100s       | N/A      |
|                          | <i>SMC 9332DST</i>                         | Auto            | Auto |           | NetWare V3.12<br>NetWare V4.11                 | Pass   | smcpwr      | smcpwr   |

| Token-Ring Adapters |                                           |                                                |      |   |                  |                          |                                               |          |
|---------------------|-------------------------------------------|------------------------------------------------|------|---|------------------|--------------------------|-----------------------------------------------|----------|
| Card Type           | Card Model                                | Configurations:<br>IRQ    Port    Addr.    DMA |      |   | O.S. Environment | Status                   | Driver Name<br>Server                  Client |          |
| Token-Ring<br>(ISA) | 3COM 3C619B Rev.C                         | 5                                              | A20  |   | NetWare V3.12    | Pass                     | 3ctoken                                       | 3ctoken  |
|                     | 3COM 3C619C Rev.A                         | 5                                              | A20  |   | NetWare V4.11    | Pass                     | 3ctoken                                       | 3ctoken  |
|                     | Accton TR1615 Rev.C1                      | 3                                              | A20  |   | NetWare V3.12    | Pass                     | token                                         | token    |
|                     | D-Link DT-220P                            | Auto                                           | Auto |   | NetWare V3.12    | Pass                     | token                                         | token    |
|                     | IBM Auto 16/4 Adapter (Plug and Play)     | Auto                                           | Auto |   | NetWare V4.1     | Pass                     | token                                         | token    |
|                     | Intel PCL815X (Plug and Play)             | 5                                              | 340  |   | NetWare V4.11    | Pass                     | tpro                                          | tproodi  |
|                     | Olicom OC-3118 Rev.3 (Plug and Play)      | Auto                                           | Auto |   | NetWare V4.11    | Pass                     | octok162                                      | octok16  |
|                     | Proteon P1392Plus Rev.J                   | 5                                              | A20  | 5 | NetWare V4.11    | Pass                     | pinw4xx                                       | pidosodi |
| Token-Ring<br>(PCI) | Olicom OC-3870 Rev.4                      | Auto                                           | Auto |   | NetWare V3.12    | Pass                     | octok162                                      | octok16  |
|                     | Proteon P1690 Rev.B                       | Auto                                           | Auto |   | NetWare V3.12    | Pass                     | ppnw4xx                                       | ppnw4xx  |
|                     | Thomas-Conrad TC4048 Rev.A                | Auto                                           | Auto |   | NetWare V4.11    | Pass                     | tcpcih                                        | tc4048sh |
| Pocket LAN          |                                           |                                                |      |   |                  |                          |                                               |          |
| Card Type           | Card Model                                | Peripheral    Device                           |      |   | O.S. Environment | Status                   | Remark/Special Setting                        |          |
| Pocket LAN          | D-Link Packet LAN DE-620CT (EPP function) | On-board LPT port (Use EPP mode)               |      |   | NetWare V3.12    | Pass                     |                                               |          |
|                     | Xircom PE3-10BT (EPP function)            | On-board LPT port (Use EPP mode)               |      |   | NetWare V3.12    | Pass                     |                                               |          |
|                     | GVC Packet LAN (EPP function)             | On-board LPT port (Use EPP mode)               |      |   | NetWare V3.12    | Pass                     |                                               |          |
| Tape Devices        |                                           |                                                |      |   |                  |                          |                                               |          |
| Type                | Model                                     | O.S. Environment                               |      |   | Status           | Remark / Special Setting |                                               |          |
| SCSI                | HP JetStore 2000                          | NetWare V4.11                                  |      |   | Pass             |                          |                                               |          |
|                     | Exabyte EXB2501                           | NetWare V4.11                                  |      |   | Pass             |                          |                                               |          |

### 5.3 Field (stress) Test for Networking Environment

|                       |                                                                                                                                                                                                                            |                 |                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>NetWare 3.12 Integrate Environment Test</b>                                                                                                                                                                             |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 + 96M(SDRAM 32MB * 3) + 512KB(Internal) + DPT PM2144UW + IBM DDFS-34560W + ASUS AGP-V3000 + SMC 9332DST + SMC 8432BT + HP J2973A                                                                      |                 |                 |
|                       | 1 * Server (NetWare 3.12)                                                                                                                                                                                                  |                 |                 |
|                       | 3 * Clients (DOS/Windows Requester)                                                                                                                                                                                        |                 |                 |
| <b>Test Procedure</b> | Server: Accepted network I/O from all clients, load DSK311 to add server load.<br>Clients: Run DTR (run all test) for actual I/O access between server and clients under DOS environment.                                  |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                | <b>Duration</b> | <b>23 Hours</b> |
| <b>Test Type</b>      | <b>NetWare 4.1 Integrate Environment Test</b>                                                                                                                                                                              |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 + 96M(SDRAM 32MB * 3) + 512KB(Internal) + ASUS PCI-DA2100 + Quantum VK4550SW + IBM DDFS-34560W + ASUS AGP-V385GT2 + Adaptec ANA-6944TX                                                                |                 |                 |
|                       | 1 * Server (NetWare 4.1)                                                                                                                                                                                                   |                 |                 |
|                       | 3 * Clients (DOS/Windows Requester)                                                                                                                                                                                        |                 |                 |
| <b>Test Procedure</b> | Server: Server disks are grouped into a RAID 1 drive, accept network request continuously from all clients, run DTS to add server load itself.<br>Clients: Run DTR(all test) for actual access between server and clients. |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                | <b>Duration</b> | <b>20 Hours</b> |

|                       |                                                                                                                                                                                                                                                                                     |                 |                  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|
| <b>Test Type</b>      | <b>NetWare 4.11 Integrate Environment Test</b>                                                                                                                                                                                                                                      |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 160MB(SDRAM 64MB + 32MB * 3) + 512KB(Internal) + DPT PM3334UW + Quantum VK4550SW + WD WDE4360W + IBM DDFS-34560W + On-board IDE + Pioneer DR-A04S CD-ROM + ASUS AGP-V264GT2 + Intel PILA8485 + HP J3171A + HP J2973A + Olicom OC-3118 + D-Link DE-220PCT |                 |                  |
|                       | 1 * Server (NetWare 4.11)<br>5 * Clients (DOS/Windows Requester)                                                                                                                                                                                                                    |                 |                  |
| <b>Test Procedure</b> | Server: Server disks are grouped into a RAID 5 drive, ISA LAN adapter setup as plug and play mode, accept network request continuously from all clients, run DTS to add server load itself.<br>Clients: Run DTR(all test) for actual access between server and clients.             |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                                                                         | <b>Duration</b> | <b>70 Hours</b>  |
| <b>Test Type</b>      | <b>NetWare 4.11 Stress Test</b>                                                                                                                                                                                                                                                     |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 512MB(SDRAM 128MB * 4) + 512KB(Internal) + On-board Adaptec AIC-7890AB + ASUS PCI-DA2100 + Seagate ST39173LW + Seagate ST19171W + IBM DGHS-950W + Sony CDU625 CD-ROM + ASUS AGP-V264GT2 + On-board Intel 82558                                           |                 |                  |
|                       | 1 * Server (Netware 4.11)<br>1 * Client (DOS/Windows Requester)                                                                                                                                                                                                                     |                 |                  |
| <b>Test Procedure</b> | Server: Server disks are grouped into a RAID 1, accept network request continuously from all clients, run DTS to add server load itself.<br>Clients: Run DTR(all test) for actual access between server and clients.                                                                |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                                                                         | <b>Duration</b> | <b>216 Hours</b> |

## 6. SCO UNIX Operating System Test

### 6.1 Software Compatibility Test

#### 6.1.1 Network Operating System Compatibility

| O.S. Name       | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                  |
|-----------------|---------|-----------|--------|------------------------------------------------------------------------------------------------------------------|
| SCO Open Server | R5.0.4  | SCO       | Pass   | Buslogic BT932 + Seagate ST19101N + NEC CDR-1810A CD-ROM + ASUS PCI-V775V2C + 3COM 3C905TX + Genius Serial Mouse |

#### 6.1.2 Application Software Compatibility

| Network Benchmark             |         |            |                  |        |                                    |
|-------------------------------|---------|------------|------------------|--------|------------------------------------|
| Package Name                  | Version | Publisher  | O.S. Environment | Status | Features Tested                    |
| ServerBench for SCO UNIX R5.0 | V2.0    | Ziff-Davis | SCO UNIX R5.0.4  | Pass   | Run all mixes with ASUS PCI-AS300. |

### 6.2 Hardware Compatibility Test

| IDE Controller        |                                                      |                   |                                          |                  |                             |        |
|-----------------------|------------------------------------------------------|-------------------|------------------------------------------|------------------|-----------------------------|--------|
| Card Type             | Primary IDE                                          |                   | Secondary IDE                            |                  | O.S. Environment            | Status |
|                       | H.D.D./CD-ROM (Mode/Speed)                           | M/S               | H.D.D./CD-ROM (Mode/Speed)               | M/S              |                             |        |
| On-board IDE (PCI)    | Quantum SE2100AT (DMA33)<br>Panasonic CR-586-B (32X) | M<br>S            | None                                     |                  | SCO UNIX R5.0.4             | Pass   |
|                       | Seagate ST34342A (DMA33)                             | M                 | Hitachi CDR-8430 (32X)                   | M                | SCO UNIX R5.0.4             | Pass   |
|                       | IBM DHEA-36480 (DMA33)                               | M                 | Teac CD-524E (24X)<br>IBM DCAA-34330 (4) | M<br>S           | SCO UNIX R5.0.4             | Pass   |
|                       | Seagate ST32122A (DMA33)                             | M                 | Sony CDU611 (24X)                        | M                | SCO UNIX R5.0.4             | Pass   |
|                       | Maxtor 88400D8 (DMA33)<br>Fujitsu MPB3043AT (DMA33)  | M<br>S            | ASUS CD-S400 (40X)                       | M                | SCO UNIX R5.0.4             | Pass   |
| SCSI Disk Controllers |                                                      |                   |                                          |                  |                             |        |
| Card Type             | Card Model                                           | H.D.D.            | CD-ROM                                   | O.S. Environment | Status                      |        |
| SCSI (ISA)            | Adaptec AHA-1542CF Rev.C (BIOS:V2.02)                | Quantum TM2100S   | Toshiba XM-6201B                         | SCO UNIX R5.0.4  | Pass                        |        |
|                       | Adaptec AHA-1542CP Rev.B (BIOS:V1.02)                | Seagate ST34371W  | NEC CDR-1810A                            | SCO UNIX R5.0.4  | Pass                        |        |
| SCSI (PCI)            | ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)                  | IBM DDRS-34560W   | Panasonic CDR-506-B                      | SCO UNIX R5.0.4  | Pass                        |        |
|                       | ASUS PCI-SC200 Rev.1.2 (BIOS:V4.03)                  | NEC DSE2550S      | NEC CDR-1810A                            | SCO UNIX R5.0.4  | Pass<br>Refer to Part E 2.6 |        |
|                       | ASUS PCI-SC860 Rev.1.2 (BIOS:V4.03.02)               | Seagate ST32500N  | Sony CDU625                              | SCO UNIX R5.0.4  | Pass                        |        |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)                  | Seagate ST34371W  | Plextor PX-20TSi                         | SCO UNIX R5.0.4  | Pass                        |        |
|                       | Adaptec AHA-2940AU Rev.A (BIOS:V1.30)                | Quantum HN9100S   | Pioneer DR-U06S                          | SCO UNIX R5.0.4  | Pass                        |        |
|                       | Adaptec AHA-3940UW Rev.B (BIOS:V1.25)                | Quantum HN2275SW  | Plextor PX-32TSi                         | SCO UNIX R5.0.4  | Pass                        |        |
|                       | AdvanSys ABP-930UA Rev.1 (BIOS:V2.8C)                | Micropolis 4345AV | NEC CDR-1410A                            | SCO UNIX R5.0.4  | Pass                        |        |
|                       | AdvanSys ABP-940U Rev.A (BIOS:V2.6L)                 | IBM DCAS-34330    | Teac CD-532S                             | SCO UNIX R5.0.4  | Pass                        |        |
|                       | Buslogic BT932 Rev.Ab (BIOS:V1.41d)                  | Seagate ST19101N  | NEC CDR-1810A                            | SCO UNIX R5.0.4  | Pass                        |        |
|                       | Buslogic BT950 Rev.C (BIOS:V1.41d)                   | IBM DDRS-39130W   | Sony CDU625                              | SCO UNIX R5.0.4  | Pass                        |        |
|                       | DPT PM2144UW (BIOS:V003.DS)                          | Fujitsu M2954QAU  | Teac CD-532S                             | SCO UNIX R5.0.4  | Pass                        |        |

| SCSI Disk Controllers |                                        |                                                         |      |  |                    |                  |                                   |
|-----------------------|----------------------------------------|---------------------------------------------------------|------|--|--------------------|------------------|-----------------------------------|
| Card Type             | Card Model                             | H.D.D.                                                  |      |  | CD-ROM             | O.S. Environment | Status                            |
| SCSI (PCI)            | Initio INI-9100UW<br>Rev.D (BIOS:1.02) | IBM DDRS-34560W                                         |      |  | Plextor PX-20TSi   | SCO UNIX R5.0.4  | Pass<br>Refer to<br>Part E<br>1.5 |
|                       | On-board AIC-7890AB                    | Quantum HN9100SW                                        |      |  | NEC CDR-1610A      | SCO UNIX R5.0.4  | Pass                              |
|                       | Promise SCSIUltra<br>Rev.B (BIOS:4.03) | Seagate ST32171W                                        |      |  | Panasonic CR-506-B | SCO UNIX R5.0.4  | Pass                              |
| Raid Controllers      |                                        |                                                         |      |  |                    |                  |                                   |
| Card Type             | Card Model                             | H.D.D.                                                  |      |  | CD-ROM             | O.S. Environment | Status                            |
| RAID Controller       | ASUS PCI-DA2100<br>Rev.4A(BIOS:V1.14D) | Quantum HN2275SW<br>Seagate ST32155W * 2                |      |  | Panasonic CR-508-B | SCO UNIX R5.0.4  | Pass                              |
|                       | DPT PM3334UW<br>(BIOS:V003.DS)         | IBM DDRS-34560W<br>Seagate ST32155W<br>Quantum VK4550SW |      |  | NEC CDR-1810A      | SCO UNIX R5.0.4  | Pass                              |
| Ethernet Adapters     |                                        |                                                         |      |  |                    |                  |                                   |
| Card Type             | Card Model                             | Configurations:<br>IRQ      Port    Addr.    DMA        |      |  | O.S. Environment   | Status           | Remark                            |
| Ethernet (ISA)        | 3COM 3C509B-TP<br>(Plug and Play)      | 5                                                       | 360  |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Novell NE2000Plus-3                    | 5                                                       | 300  |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | SMC 8013WC<br>Rev.A                    | 10                                                      | 300  |  | SCO UNIX R5.0.4    | Pass             |                                   |
| Ethernet (PCI)        | ASUS PCI-DEC10-TB+<br>Rev.B1           | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | 3COM 3C900<br>Rev.C                    | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Accton EN1203<br>Rev.01C               | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Cogent EM960                           | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Proteon P1670-EA<br>Rev.R01C           | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | SMC 8432BT<br>Rev.A                    | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Thomas-Conrad TC5048<br>Rev.A          | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
| 100BaseTx             | ASUS PCI-DEC100TX+<br>Rev.C5           | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | ASUS PCI-L101<br>Rev. 1.03             | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | 3COM 3C595-TX<br>Rev.B                 | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | 3COM 3C905-TX<br>Rev.B                 | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Accton EN1207<br>Rev.01                | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Digital DE500XA                        | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Intel PILA8465                         | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | Intel PILA8465B                        | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |
|                       | SMC 9332DST                            | Auto                                                    | Auto |  | SCO UNIX R5.0.4    | Pass             |                                   |

### 6.3 Field (stress) Test for Networking Environment

|                       |                                                                                                                                                                                                                      |                 |                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|
| <b>Test Type</b>      | <b>SCO UNIX OPEN SERVER R5.0.4</b>                                                                                                                                                                                   |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + Buslogic BT950 + IBM DDRS-39130W + Sony CDU625 CD-ROM + ASUS PCI-V775V2C + Proteon P1670-EA + Genius Serial Mouse                                    |                 |                  |
|                       | 1 * Server (SCO UNIX R5.0.4)<br>1 * Server (Solaris V2.51)                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Server (SCO UNIX R5.0.4):Run multitasking, ping, telnet test.<br>Server (Solaris V2.51):Run ping, telnet test.                                                                                                       |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                          | <b>Duration</b> | <b>15 Hours</b>  |
| <b>Test Type</b>      | <b>SCO UNIX OPEN SERVER R5.0.4</b>                                                                                                                                                                                   |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 96MB(SDRAM 32MB * 3) + 512KB(Internal) + ASUS PCI-AS300 + IBM DDRS-34560W + Panasonic CR-506-B CD-ROM + ASUS PCI-V775V2C + Accton EN1203 + Logitech First Mouse Super                     |                 |                  |
|                       | 1 * Server (SCO UNIX R5.0.4)<br>1 * Server (Solaris V2.51)                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Server (SCO UNIX R5.0.4):Run multitasking, ping, telnet test.<br>Server (Solaris V2.51):Run ping, telnet test.                                                                                                       |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                          | <b>Duration</b> | <b>64 Hours</b>  |
| <b>Test Type</b>      | <b>SCO UNIX OPEN SERVER R5.0.4</b>                                                                                                                                                                                   |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-400 * 2 + 512MB(SDRAM 128MB * 4) + 512KB(Internal) + On-board AIC-7890AB + Seagate ST39173LW + ASUS PCI-DA2100 + Quantum HN4550SW * 2 + ASUS AGP-V3000 + ASUS PCI-L101 + Logitech First Mouse Super |                 |                  |
|                       | 1 * Server (SCO UNIX R5.0.4)<br>1 * Server (NT SERVER V4.0)                                                                                                                                                          |                 |                  |
| <b>Test Procedure</b> | Server (SCO UNIX R5.0.4):Run multitasking, ping, telnet test.<br>Server (NT SERVER V4.0):Run ping, telnet test.                                                                                                      |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                          | <b>Duration</b> | <b>170 Hours</b> |

## 7. SCO UnixWare Operating System Test

### 7.1 Software Compatibility Test

#### 7.1.1 Network Operating System Compatibility

| O.S. Name | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                             |
|-----------|---------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------|
| Unixware  | V2.1    | SCO       | Pass   | On-board AIC-7890AB + Fujitsu M2954QAU + NEC CDR-1810A CD-ROM + ASUS AGP-V3000 + Intel PCL8205 + Logitech First Mouse Super |

#### 7.1.2 Application Software Compatibility

| Network Benchmark             |         |            |                  |        |                                    |
|-------------------------------|---------|------------|------------------|--------|------------------------------------|
| Package Name                  | Version | Publisher  | O.S. Environment | Status | Features Tested                    |
| ServerBench for UnixWare V2.X | V2.0    | Ziff-Davis | UnixWare V2.1    | Pass   | Run all mixes with ASUS PCI-AS300. |

## 7.2 Hardware Compatibility Test

| IDE Controller     |                            |     |                            |     |                  |        |
|--------------------|----------------------------|-----|----------------------------|-----|------------------|--------|
| Card Type          | Primary IDE                |     | Secondary IDE              |     | O.S. Environment | Status |
|                    | H.D.D./CD-ROM (Mode/Speed) | M/S | H.D.D./CD-ROM (Mode/Speed) | M/S |                  |        |
| On-board IDE (PCI) | Seagate ST32132A (4)       | M   | Philips PCA203CD (20X)     | M   | UnixWare V2.1    | Pass   |
|                    | Quantum TX4000AT (DMA33)   | M   | Panasonic CR-585-B (24X)   | M   | UnixWare V2.1    | Pass   |
|                    | IBM DHEA-36480 (DMA33)     | M   | Panasonic CR-584-B (12X)   | M   | UnixWare V2.1    | Pass   |
|                    | WD AC34000 (4)             | M   | Philips PCA243CD (24X)     | M   | UnixWare V2.1    | Pass   |
|                    | Quantum SE4300AT (DMA33)   | M   | ASUS CD-S400 (40X)         | M   | UnixWare V2.1    | Pass   |

| SCSI Disk Controllers |                                       |                                      |                    |                  |        |
|-----------------------|---------------------------------------|--------------------------------------|--------------------|------------------|--------|
| Card Type             | Card Model                            | H.D.D.                               | CD-ROM             | O.S. Environment | Status |
| SCSI (ISA)            | Adaptec AHA-1542CF Rev.C (BIOS:V2.02) | IBM DCAS34330                        | Panasonic CR-506-B | UnixWare V2.1    | Pass   |
| SCSI (PCI)            | On-board AIC-7890AB                   | Fujitsu M2954QAU                     | NEC CDR-1810A      | UnixWare V2.1    | Pass   |
|                       | ASUS PCI-SC200 Rev.1.2 (BIOS:V4.03)   | Quantum TM3200S                      | NEC CDR-1410A      | UnixWare V2.1    | Pass   |
|                       | ASUS PCI-SC860 Rev.1.0 (BIOS:V4.03)   | IBM DCAS34330                        | Plextor PX-32TSi   | UnixWare V2.1    | Pass   |
|                       | ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)   | Seagate ST19101W                     | Plextor PX-20TSi   | UnixWare V2.1    | Pass   |
|                       | Adaptec AHA-2940AU Rev.A (BIOS:V1.30) | Micropolis 4341NS                    | NEC CDR-1810A      | UnixWare V2.1    | Pass   |
|                       | Adaptec AHA-3940UW Rev.A (BIOS:V1.25) | Seagate ST34371W                     | NEC CDR-1410A      | UnixWare V2.1    | Pass   |
|                       | ASUS PCI-DA2100                       | Quantum HN2275SW<br>Quantum HN9100SW | Plextor PX-32TSi   | UnixWare V2.1    | Pass   |
|                       | DPT PM2144UW (BIOS:V003.DS)           | Seagate ST15150W                     | Plextor PX-20TSi   | UnixWare V2.1    | Pass   |

| Ethernet Adapters |                                   |                                               |     |   |                  |        |        |
|-------------------|-----------------------------------|-----------------------------------------------|-----|---|------------------|--------|--------|
| Card Type         | Card Model                        | Configurations:<br>IRQ      Port Addr.    DMA |     |   | O.S. Environment | Status | Remark |
| Ethernet<br>(ISA) | 3COM 3C509B-TP<br>(Plug and Play) | 5                                             | 360 |   | UnixWare V2.1    | Pass   |        |
|                   | Digital DE204                     | 5                                             | 300 |   | UnixWare V2.1    | Pass   |        |
|                   | HP NC/16TP                        | 5                                             | 300 | 7 | UnixWare V2.1    | Pass   |        |
|                   | Intel PCLA8205                    | 5                                             | 300 |   | UnixWare V2.1    | Pass   |        |

| <b>Ethernet Adapters</b> |                                   |                                       |      |  |                  |        |        |
|--------------------------|-----------------------------------|---------------------------------------|------|--|------------------|--------|--------|
| Card Type                | Card Model                        | Configurations:<br>IRQ Port Addr. DMA |      |  | O.S. Environment | Status | Remark |
| <b>Ethernet (ISA)</b>    | <i>Novell NE2000Plus-3</i>        | 5                                     | 300  |  | UnixWare V2.1    | Pass   |        |
|                          | <i>SMC 8013WC Rev. A</i>          | 10                                    | 300  |  | UnixWare V2.1    | Pass   |        |
| <b>Ethernet (PCI)</b>    | <i>ASUS PCI-DEC10-TB+ Rev. B1</i> | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
|                          | <i>3COM 3C590C Rev. 14</i>        | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
|                          | <i>Compaq NETFLEX-3/P Rev. A</i>  | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
|                          | <i>Cogent EM960</i>               | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
|                          | <i>SMC 8432BT Rev. A</i>          | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
| <b>100BaseTx</b>         | <i>3Com 3C595TX Rev. B</i>        | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |
|                          | <i>Intel PILA8465</i>             | Auto                                  | Auto |  | UnixWare V2.1    | Pass   |        |

### 7.3 Field (stress) Test for Networking Environment

| <b>Test Type</b>      | <b>UnixWare V2.1 test</b>                                                                                                                                                                                                           |                 |                  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + DPT PM2144UW + Seagate ST15150W + Plextor PX-20TSi CD-ROM + ASUS AGP-V3000 + Digital DE204 + Logitech First Mouse Super                                         |                 |                  |
|                       | 1 * Server (UnixWare V2.1)<br>1 * Server (NT Server V4.0)                                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Server (UnixWare V2.1):Run Multi Tasks Test.<br>Server (NT Server V4.0):Run ping,telnet ....test.                                                                                                                                   |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                         | <b>Duration</b> | <b>15 Hours</b>  |
| <b>Test Type</b>      | <b>UnixWare V2.1 test</b>                                                                                                                                                                                                           |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 48MB(SDRAM 16MB * 3) + 512KB(Internal) + On-board IDE + IBM DHEA-36480 + Panasonic CR-584-B CD-ROM + ASUS AGP-V3000 + Cogent EM960 + Logitech First Mouse Super                                          |                 |                  |
|                       | 1 * Server (UnixWare V2.1)<br>1 * Server (NT Server V4.0)                                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Server (UnixWare V2.1):Run Multi Tasks Test.<br>Server (NT Server V4.0):Run ping,telnet ....test.                                                                                                                                   |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                         | <b>Duration</b> | <b>16 Hours</b>  |
| <b>Test Type</b>      | <b>UnixWare V2.1 test</b>                                                                                                                                                                                                           |                 |                  |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 512MB(SDRAM 128MB * 4) + 512KB(Internal) + On-board AIC-7890AB + Seagate ST39173LW + ASUS PCI-DA2100 + Quantum HN2275SW + Quantum HN9100SW + ASUS AGP-V3000L + 3Com 3C595TX + Logitech First Mouse Super |                 |                  |
|                       | 1 * Server (UnixWare V2.1)<br>1 * Server (NT Server V4.0)                                                                                                                                                                           |                 |                  |
| <b>Test Procedure</b> | Server (UnixWare V2.1):Run Multi Tasks Test.<br>Server (NT Server V4.0):Run ping,telnet ....test.                                                                                                                                   |                 |                  |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                                                         | <b>Duration</b> | <b>102 Hours</b> |

## 8. Sunsoft Solaris Operating System Test

### 8.1 Software Compatibility Test

| O.S. Name                            | Version | Publisher | Status                      | Hardware Configuration / Hard Disk & Controller                                                                         |
|--------------------------------------|---------|-----------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Solaris</b>                       | V2.51   | Sunsoft   | Pass<br>Refer to Part E 1.6 | Buslogic BT932 + Seagate ST34371N + Pioneer DR-U06S CD-ROM + ASUS PCI-V264VT + 3COM3C595TX + Logitech First Mouse Super |
| <b>Solaris (Chinese-Traditional)</b> | V2.51   | Sunsoft   | Pass                        | Adaptec AHA-2940UW + WD WDE4360W + Toshiba XM-6201B CD-ROM + ASUS AGP-V385GX2 + Intel PILA8465 + Digital PS/2 Mouse     |
| <b>Solaris</b>                       | V2.6    | Sunsoft   | Pass<br>Refer to Part E 1.7 | On-board IDE + Quantum SE4300AT + Teac CD-532E CD-ROM + ASUS AGP-V264GT3 + 3COM 3C905TX + Genius MouseOne               |

### 8.2 Hardware Compatibility Test

| IDE Controller        |                                                    |                     |                                              |                                        |                                        |                                   |
|-----------------------|----------------------------------------------------|---------------------|----------------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------|
| Card Type             | Primary IDE                                        |                     | Secondary IDE                                |                                        | O.S. Environment                       | Status                            |
|                       | H.D.D./CD-ROM (Mode/Speed)                         | M/S                 | H.D.D./CD-ROM (Mode/Speed)                   | M/S                                    |                                        |                                   |
| On-board IDE (PCI)    | Maxtor 82560D3 (DMA33)<br>Philips PCA243CD (24X)   | M<br>S              | None                                         |                                        | Solaris V2.6                           | Pass                              |
|                       | WD AC12100 (DMA33)                                 | M                   | Panasonic CR-585-B (24X)<br>WD WDAC33100 (4) | M<br>S                                 | Solaris V2.51                          | Pass                              |
|                       | IBM DHEA-36480 (DMA33)                             | M                   | IBM DCAA-34330 (4)<br>NEC CDR-1900A (32X)    | M<br>S                                 | Solaris V2.51<br>(Chinese-Traditional) | Pass                              |
|                       | Quantum SE4300AT (DMA33)                           | M                   | Teac CD-532E (32X)                           | M                                      | Solaris V2.6                           | Pass                              |
|                       | Seagate ST39140A (DMA33)<br>Hitachi CDR-8430 (32X) | M<br>S              | Seagate ST36530A (DMA33)                     | M                                      | Solaris V2.6                           | Pass                              |
|                       | Seagate ST39140A (DMA33)<br>Sony CDU711 (32X)      | M<br>S              | Seagate ST36530A (DMA33)                     | M                                      | Solaris V2.6                           | Fail<br>Refer to<br>Part E<br>1.8 |
| SCSI Disk Controllers |                                                    |                     |                                              |                                        |                                        |                                   |
| Card Type             | Card Model                                         | H.D.D.              | CD-ROM                                       | O.S. Environment                       | Status                                 |                                   |
| SCSI (ISA)            | Adaptec AHA-1542CF<br>Rev.C (BIOS:V2.02)           | Quantum TM2110S     | Panasonic CR-508-B                           | Solaris V2.6                           | Pass                                   |                                   |
| SCSI (PCI)            | ASUS PCI-AS300<br>Rev.1.0 (BIOS:V1.24)             | Seagate ST34501W    | Plextor PX-32TSi                             | Solaris V2.6                           | Pass                                   |                                   |
|                       | Adaptec AHA-2940AU<br>Rev.A (BIOS:V1.30)           | Quantum HN4550S     | Panasonic CR-506-B                           | Solaris V2.6                           | Pass                                   |                                   |
|                       | Adaptec AHA-2940UW<br>Rev.B (BIOS:V1.25)           | WD WDE4360W         | Toshiba XM-6201B                             | Solaris V2.51<br>(Chinese-Traditional) | Pass                                   |                                   |
|                       | Adaptec AHA-3940UW<br>Rev.A (BIOS:V1.25)           | Seagate ST32155W    | Sony CDU625                                  | Solaris V2.6                           | Pass                                   |                                   |
|                       | AdvanSys ABP-940U<br>Rev.A (BIOS:V2.6L)            | WD WDE4360          | Teac CD-532S                                 | Solaris V2.51                          | Pass                                   |                                   |
|                       | Buslogic BT932<br>Rev.AC (BIOS:V1.41d)             | Seagate ST34371N    | Pioneer DR-U06S                              | Solaris V2.51                          | Pass                                   |                                   |
|                       | Buslogic BT950<br>Rev.C (BIOS:V1.41d)              | Quantum VK4550S     | Pioneer DR-U24X                              | Solaris V2.6                           | Pass                                   |                                   |
|                       | DPT PM2144UW<br>(BIOS:V003.DS)                     | WD WDE2170          | NEC CDR-1610A                                | Solaris V2.6                           | Pass                                   |                                   |
| Raid Controllers      |                                                    |                     |                                              |                                        |                                        |                                   |
| Card Type             | Card Model                                         | H.D.D.              | CD-ROM                                       | O.S. Environment                       | Status                                 |                                   |
| RAID Controller       | DPT PM3334UW<br>(BIOS:V003.DS)                     | IBM DCAS-34330W * 2 | Pioneer DR-U24X                              | Solaris V2.6                           | Pass                                   |                                   |

| <b>Ethernet Adapters</b> |                                       |                                       |      |  |                                     |        |        |
|--------------------------|---------------------------------------|---------------------------------------|------|--|-------------------------------------|--------|--------|
| Card Type                | Card Model                            | Configurations:<br>IRQ Port Addr. DMA |      |  | O.S. Environment                    | Status | Remark |
| <b>Ethernet (ISA)</b>    | <b>3COM 3C509B-TP (Plug and Play)</b> | 5                                     | 360  |  | Solaris V2.51                       | Pass   |        |
|                          | <b>Intel PCL8205</b>                  | 5                                     | 340  |  | Solaris V2.51 (Chinese-Traditional) | Pass   |        |
| <b>Ethernet (PCI)</b>    | <b>ASUS PCI-DEC10-TB+ Rev. B2</b>     | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>3Com 3C900 Rev.C</b>               | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>Accton EN1203 Rev. 01C</b>         | Auto                                  | Auto |  | Solaris V2.51                       | Pass   |        |
|                          | <b>Adaptec ANA-6901TX</b>             | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>Compaq NETFLEX-3/P Rev.A</b>       | Auto                                  | Auto |  | Solaris V2.51                       | Pass   |        |
|                          | <b>Proteon P1670-EA</b>               | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>SMC 8432BT Rev. A</b>              | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
| <b>100BaseTx</b>         | <b>ASUS PCI-DEC100TX+</b>             | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>ASUS PCI-L101 Rev. 1.03</b>        | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>3Com 3C595TX Rev.B</b>             | Auto                                  | Auto |  | Solaris V2.51                       | Pass   |        |
|                          | <b>3Com 3C905TX Rev.B</b>             | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>Accton EN1207 Rev.01</b>           | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>Adaptec ANA-6911TX</b>             | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>Intel PILA8465</b>                 | Auto                                  | Auto |  | Solaris V2.51 (Chinese-Traditional) | Pass   |        |
|                          | <b>Intel PILA8465B</b>                | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |
|                          | <b>SMC 9332DST</b>                    | Auto                                  | Auto |  | Solaris V2.6                        | Pass   |        |

### 8.3 Field (stress) Test for Networking Environment

| <b>Test Type</b>      | <b>Solaris V2.51 test</b>                                                                                                                                                                          |                 |                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Configuration</b>  | Intel Pentium II-350 + 32MB(SDRAM 32MB) + 512KB(Internal) + AdvanSys ABP-940U + WD WDE4360 + Teac CD-532S CD-ROM + ASUS PCI-V775V2C + Compaq NETFLEX-3/P + Logitech First Mouse Super              |                 |                 |
|                       | 1 * Server (Solaris V2.51)                                                                                                                                                                         |                 |                 |
|                       | 1 * Server (Solaris V2.51)                                                                                                                                                                         |                 |                 |
| <b>Test Procedure</b> | Server (Solaris V2.51):Run Multi Tasks Test.<br>Server (Solaris V2.51):Run ping,telnet ....test.                                                                                                   |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                        | <b>Duration</b> | <b>64 Hours</b> |
| <b>Test Type</b>      | <b>Solaris V2.6 test</b>                                                                                                                                                                           |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 * 2 + 128MB(SDRAM 32MB * 4) + 512KB(Internal) + On-board IDE + Seagate ST39140A + Seagate ST36530A + Hitachi CDR-8430 CD-ROM + ASUS PCI-V264VT + 3COM 3C900 + Genius MouseOne |                 |                 |
|                       | 1 * Server (Solaris V2.6)                                                                                                                                                                          |                 |                 |
|                       | 1 * Server (Solaris V2.51)                                                                                                                                                                         |                 |                 |
| <b>Test Procedure</b> | Server (Solaris V2.6):Run Multi Tasks Test.<br>Server (Solaris V2.51):Run ping,telnet ....test.                                                                                                    |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                        | <b>Duration</b> | <b>35 Hours</b> |

|                       |                                                                                                                                                                                                       |                 |                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>Solaris V2.6 with HCT V3.19</b>                                                                                                                                                                    |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 * 2 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + ASUS PCI-AS300 + Seagate ST 34501W + Plextor PX-32TSi CD-ROM + ASUS AGP-V264GT3 + ASUS PCI-DEC100TX+ + Logitech First Mouse Super |                 |                 |
|                       | 1 * Server (Solaris V2.6)<br>1 * Server (Solaris V2.51)                                                                                                                                               |                 |                 |
| <b>Test Procedure</b> | Server (Solaris V2.6 with HCT V3.19):Run Certification Test: Disk, Floppy, System Memory, Keyboard, Mouse, CD-ROM, Network, Video.<br>Server (Solaris V2.51): Network test from Solaris.              |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                           | <b>Duration</b> | <b>15 Hours</b> |

## 9. Next OpenStep Operating System Test

### 9.1 Software Compatibility Test

| O.S. Name       | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                                       |
|-----------------|---------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------|
| <i>OpenStep</i> | R4.0    | Next      | Pass   | On-board IDE + Samsung VG33402A + Sony CDU611 CD-ROM + ASUS PCI-V775V2C + Intel PILA840X + Logitech First Mouse Super |

### 9.2 Hardware Compatibility Test

| IDE Controller        |                                       |                                       |                            |                    |                  |        |        |
|-----------------------|---------------------------------------|---------------------------------------|----------------------------|--------------------|------------------|--------|--------|
| Card Type             | Primary IDE                           |                                       | Secondary IDE              |                    | O.S. Environment | Status |        |
|                       | H.D.D./CD-ROM (Mode/Speed)            | M/S                                   | H.D.D./CD-ROM (Mode/Speed) | M/S                |                  |        |        |
| On-board IDE (PCI)    | Fujitsu MPB3052AT (DMA33)             | M                                     | None                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Philips PCA243CD (24X)                | S                                     |                            |                    |                  |        |        |
|                       | Maxtor 82560D3 (DMA33)                | M                                     | None                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Teac CD-532E (32X)                    | S                                     |                            |                    |                  |        |        |
|                       | Samsung VG33402A (DMA33)              | M                                     | None                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Sony CDU611 (24X)                     | S                                     |                            |                    |                  |        |        |
|                       | Quantum TX4000AT (DMA33)              | M                                     | None                       |                    | OpenStep R4.0    | Pass   |        |
|                       | BTC BCD24X (24X)                      | S                                     |                            |                    |                  |        |        |
|                       | IBM DHEA-38451 (DMA33)                | M                                     | None                       |                    | OpenStep R4.0    | Pass   |        |
|                       | ASUS CD-S400 (40X)                    | S                                     |                            |                    |                  |        |        |
| SCSI Disk Controllers |                                       |                                       |                            |                    |                  |        |        |
| Card Type             | Card Model                            | H.D.D.                                |                            | CD-ROM             | O.S. Environment | Status |        |
| SCSI (ISA)            | Adaptec AHA-1542CP Rev.B (BIOS:V1.02) | Quantum TM3200S                       |                            | NEC CDR-1410A      | OpenStep R4.0    | Pass   |        |
| SCSI (PCI)            | ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)   | WD WDE2170                            |                            | Toshiba XM-5701B   | OpenStep R4.0    | Pass   |        |
|                       | Adaptec AHA-2940AU Rev.A (BIOS:V1.30) | Micropolis 4341NS                     |                            | Teac CD-532S       | OpenStep R4.0    | Pass   |        |
|                       | Adaptec AHA-2940UW Rev.C (BIOS:V1.25) | IBM DCAS-32160                        |                            | Plextor PX-20TSi   | OpenStep R4.0    | Pass   |        |
|                       | Buslogic BT932 Rev.AC (BIOS:V1.41d)   | Seagate ST34371N                      |                            | Pioneer DR-U06S    | OpenStep R4.0    | Pass   |        |
|                       | DPT PM2144UW (BIOS:V003.DS)           | WD WDE4360                            |                            | Panasonic CR-506-B | OpenStep R4.0    | Pass   |        |
| Ethernet Adapters     |                                       |                                       |                            |                    |                  |        |        |
| Card Type             | Card Model                            | Configurations:<br>IRQ Port Addr. DMA |                            |                    | O.S. Environment | Status | Remark |
| Ethernet (ISA)        | 3COM 3C509B-TP (Plug and Play)        | 5                                     | 360                        |                    | OpenStep R4.0    | Pass   |        |
| Ethernet (PCI)        | Adaptec ANA-6901TX                    | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Digital DE450AC Rev.A01               | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | IBM PCI Ethernet Rev.B2               | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Intel PILA840X                        | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Proteon P1670-EA                      | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Thomas-Conrad TC5048 Rev.A            | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
| 100BaseTx             | Adaptec ANA-6911TX                    | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Intel PILA8465                        | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | Intel PILA8465B                       | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |
|                       | SMC 9332DST                           | Auto                                  | Auto                       |                    | OpenStep R4.0    | Pass   |        |

### 9.3 Field (stress) Test for Networking Environment

|                       |                                                                                                                                                                                             |                 |                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>OpenStep R4.0</b>                                                                                                                                                                        |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 64MB(SDARM 32MB * 2) + 512KB(Internal) + On-board IDE + IBM DHEA-38451 + ASUS CD-S400 CD-ROM + ASUS AGP-V264GT3 + Adaptec ANA-6911TX + Genius Mouse One              |                 |                 |
|                       | 1 * Server (OpenStep R4.0)                                                                                                                                                                  |                 |                 |
|                       | 1 * Server (Linux V3.4.0)                                                                                                                                                                   |                 |                 |
| <b>Test Procedure</b> | Server (OpenStep R4.0):Run Multi Tasks Test.<br>Server (Linux V3.4.0)Run ping,telnet ....test.                                                                                              |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                 | <b>Duration</b> | <b>40 Hours</b> |
| <b>Test Type</b>      | <b>OpenStep R4.0</b>                                                                                                                                                                        |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-400 + 64MB(SDARM 32MB * 2) + 512KB(Internal) + Buslogic BT932 + Seagate ST34371N + Pioneer DR-U06S CD-ROM + ASUS PCI-V264VT + IBM PCI Ethernet + Logtech First Mouse Super |                 |                 |
|                       | 1 * Server (OpenStep R4.0)                                                                                                                                                                  |                 |                 |
|                       | 1 * Server (Linux V3.4.0)                                                                                                                                                                   |                 |                 |
| <b>Test Procedure</b> | Server (OpenStep R4.0):Run Multi Tasks Test.<br>Server (Linux V3.4.0)Run ping,telnet ....test.                                                                                              |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                                 | <b>Duration</b> | <b>14 Hours</b> |

## 10. Linux Operating System Test

### 10.1 Software Compatibility Test

| O.S. Name          | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                           |
|--------------------|---------|-----------|--------|-----------------------------------------------------------------------------------------------------------|
| <b>Linux</b>       | V3.4.0  | Slackware | Pass   | Advansys ABP-930UA + Seagate ST52160N + NEC CDR-1610A CD-ROM + ASUS AGP-V264GT2 + Thomas-Conrad TC5048    |
| <b>Turbo Linux</b> | V5.0    | RedHat    | Pass   | On-board IDE + Quantum SR2100AT + IBM DCAA-33610 + Panasonic CR-586-B + ASUS AGP-V264GT2 + 3COM 3C509B-TP |

### 10.2 Hardware Compatibility Test

| IDE Controller     |                            |     |                            |     |                  |        |
|--------------------|----------------------------|-----|----------------------------|-----|------------------|--------|
| Card Type          | Primary IDE                |     | Secondary IDE              |     | O.S. Environment | Status |
|                    | H.D.D./CD-ROM (Mode/Speed) | M/S | H.D.D./CD-ROM (Mode/Speed) | M/S |                  |        |
| On-board IDE (PCI) | Fujitsu MPB3023AT (DMA33)  | M   | None                       |     | Turbo Linux V5.0 | Pass   |
|                    | Philips PCA243CD (24X)     | S   |                            |     |                  |        |
|                    | IBM DHEA-38451 (DMA33)     | M   | Pioneer DR-A04S (32X)      | M   | Linux V3.4.0     | Pass   |
|                    | WD AC34000 (4)             | M   | ASUS CD-S340 (34X)         | M   | Linux V3.4.0     | Pass   |
|                    | Quantum SE2100AT (DMA33)   | M   | Panasonic CR-586-B (32X)   | M   | Turbo Linux V5.0 | Pass   |
|                    | IBM DCAA-33610 (4)         | S   |                            |     |                  |        |
|                    | Seagate ST39140A (DMA33)   | M   | NEC CDR-1900A (32X)        | M   | Linux V3.4.0     | Pass   |

| <b>SCSI Disk Controllers</b> |                                                |                                 |                    |                  |        |
|------------------------------|------------------------------------------------|---------------------------------|--------------------|------------------|--------|
| Card Type                    | Card Model                                     | H.D.D.                          | CD-ROM             | O.S. Environment | Status |
| <b>SCSI (ISA)</b>            | <b>Adaptec AHA-1542CF Rev. C (BIOS: V2.02)</b> | Seagate ST32550N                | Pioneer DR-U06S    | Turbo Linux V5.0 | Pass   |
|                              | <b>Adaptec AHA-1542CP Rev. B (BIOS: V1.02)</b> | Quantum HN4550S                 | NEC CDR-1610A      | Linux V3.4.0     | Pass   |
| <b>SCSI (PCI)</b>            | <b>ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)</b>     | IBM DDFS-34560W                 | NEC CDR-1610A      | Linux V3.4.0     | Pass   |
|                              | <b>ASUS PCI-SC200 Rev.1.2 (BIOS:V4.03)</b>     | Seagate ST52160N                | NEC CDR-1610A      | Turbo Linux V5.0 | Pass   |
|                              | <b>Adaptec AHA-2940AU Rev.F (BIOS:V1.23)</b>   | Quantum HN4550S                 | Panasonic CR-508-B | Linux V3.4.0     | Pass   |
|                              | <b>Adaptec AHA-2940UW Rev.C (BIOS:V1.25)</b>   | Seagate ST32171W                | Panasonic CR-506-B | Linux V3.4.0     | Pass   |
|                              | <b>Adaptec AHA-3940UW Rev.B (BIOS:V1.25)</b>   | Quantum VK4550SW<br>WD WDE4360W | Panasonic CR-506-B | Linux V3.4.0     | Pass   |
|                              | <b>AdvanSys ABP-930UA Rev.E (BIOS:V2.81d)</b>  | Seagate ST52160N                | Sony CDU415        | Turbo Linux V5.0 | Pass   |
|                              | <b>Buslogic BT930 Rev.A (BIOS:V1.41d)</b>      | Seagate ST34371N                | Panasonic CR-506-B | Turbo Linux V5.0 | Pass   |
|                              | <b>Buslogic BT948C Rev.Ab (BIOS:V4.95L)</b>    | IBM DGHS-950W                   | Plextor PX-20TSi   | Turbo Linux V5.0 | Pass   |
|                              | <b>Buslogic BT950C Rev.A (BIOS:V1.41d)</b>     | WD WDE4360W                     | Teac CD-532S       | Turbo Linux V5.0 | Pass   |

| <b>Ethernet Adapters</b> |                                       |                                       |     |   |                  |        |        |
|--------------------------|---------------------------------------|---------------------------------------|-----|---|------------------|--------|--------|
| Card Type                | Card Model                            | Configurations:<br>IRQ Port Addr. DMA |     |   | O.S. Environment | Status | Remark |
| <b>Ethernet (ISA)</b>    | <b>3COM 3C509B-TP (Plug and Play)</b> | 5                                     | 360 |   | Turbo Linux V5.0 | Pass   |        |
|                          | <b>HP NC/16TP Rev. D</b>              | 5                                     | 300 | 7 | Turbo Linux V5.0 | Pass   |        |
|                          | <b>Intel PCLA8200</b>                 | 5                                     | 360 |   | Linux V3.2.0     | Pass   |        |
|                          | <b>Intel PCLA8205</b>                 | 10                                    | 340 |   | Linux V3.4.0     | Pass   |        |
|                          | <b>Novell NE2000Plus-3</b>            | 5                                     | 300 |   | Turbo Linux V5.0 | Pass   |        |
|                          | <b>SMC 8013WC Rev. A</b>              | 10                                    | 300 |   | Linux V3.4.0     | Pass   |        |

| <b>Ethernet Adapters</b> |                                    |                                       |      |  |                  |        |        |
|--------------------------|------------------------------------|---------------------------------------|------|--|------------------|--------|--------|
| Card Type                | Card Model                         | Configurations:<br>IRQ Port Addr. DMA |      |  | O.S. Environment | Status | Remark |
| <b>Ethernet (PCI)</b>    | <b>ASUS PCI-DEC10-TB+ Rev. B1</b>  | Auto                                  | Auto |  | Turbo Linux V5.0 | Pass   |        |
|                          | <b>Accton EN1203 Rev. 01C</b>      | Auto                                  | Auto |  | Turbo Linux V5.0 | Pass   |        |
|                          | <b>Accton EN1208 Rev. 01A</b>      | Auto                                  | Auto |  | Linux V3.4.0     | Pass   |        |
|                          | <b>Adaptec ANA-6901TX</b>          | Auto                                  | Auto |  | Turbo Linux V5.0 | Pass   |        |
|                          | <b>Digital DE450AC Rev. A01</b>    | Auto                                  | Auto |  | Turbo Linux V5.0 | Pass   |        |
|                          | <b>IBM PCI Ethernet Rev. B2</b>    | Auto                                  | Auto |  | Linux V3.4.0     | Pass   |        |
|                          | <b>Proteon P1670-EA</b>            | Auto                                  | Auto |  | Turbo Linux V5.0 | Pass   |        |
|                          | <b>SMC 8432BT Rev. A</b>           | Auto                                  | Auto |  | Linux V3.4.0     | Pass   |        |
|                          | <b>Thomas-Conrad TC5048 Rev. A</b> | Auto                                  | Auto |  | Linux V3.4.0     | Pass   |        |

### 10.3 Field (stress) Test for Networking Environment

| <b>Test Type</b>      | <b>Linux V3.4.0</b>                                                                                                                                                        |                 |                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Configuration</b>  | Intel Pentium II-400 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + Advansys ABP-930UA + Seagate ST52160N + NEC CDR-1610A CD-ROM + ASUS AGP-V264GT2 + Thomas-Conrad TC5048     |                 |                 |
|                       | 1 * Server (Linux V3.4.0)<br>1 * Server (Linux V3.2.0)                                                                                                                     |                 |                 |
| <b>Test Procedure</b> | Server (Linux V3.4.0):Run multiple tasks, include NFS test for access via network<br>Server (Linux V3.2.0):Run multiple tasks, include NFS test for access via network     |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                | <b>Duration</b> | <b>22 Hours</b> |
| <b>Test Type</b>      | <b>Turbo Linux V5.0</b>                                                                                                                                                    |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 128MB(SDRAM 128MB) + 512KB(Internal) + On-board IDE + Quantum SR2100AT + IBM DCAA-33610 + Panasonic CR-586-B + ASUS AGP-V264GT2 + 3COM 3C509B-TP    |                 |                 |
|                       | 1 * Server (Turbo Linux V5.0)<br>1 * Server (Linux V3.2.0)                                                                                                                 |                 |                 |
| <b>Test Procedure</b> | Server (Turbo Linux V5.0):Run multiple tasks, include NFS test for access via network<br>Server (Linux V3.2.0):Run multiple tasks, include NFS test for access via network |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                | <b>Duration</b> | <b>12 Hours</b> |

## 11. Banyan Vines Operating System Test

### 11.1 Software Compatibility Test

| O.S. Name | Version | Publisher | Status | Hardware Configuration / Hard Disk & Controller                                                           |
|-----------|---------|-----------|--------|-----------------------------------------------------------------------------------------------------------|
| Vines     | V7.0    | Banyan    | Pass   | On-board IDE + Fujitsu MPB3032AT + ASUS PCI-SC200 + Teac CD-532S CD-ROM + ASUS AGP-V3000 + 3COM 3C509B-TP |

### 11.2 Hardware Compatibility Test

| IDE Controller        |                                          |                                                  |                                     |                    |                  |        |        |
|-----------------------|------------------------------------------|--------------------------------------------------|-------------------------------------|--------------------|------------------|--------|--------|
| Card Type             | IDE H.D.D (Mode)                         | M/S                                              | SCSI Controller & CR-ROM            |                    | O.S. Environment | Status |        |
| On-board IDE (PCI)    | IBM DHEA-38451 (DMA33)                   | M                                                | DPT PM2144UW<br>Panasonic CR-506-B  |                    | Vines V7.0       | Pass   |        |
|                       | Quantum SE2100AT (DMA33)                 | M                                                | Promise SCSIMAX<br>NEC CDR-1410A    |                    | Vines V7.0       | Pass   |        |
|                       | Seagate ST33232A (DMA33)                 | M                                                | ASUS PCI-SC200<br>Plextor PX-20TSi  |                    | Vines V7.0       | Pass   |        |
|                       | Fujitsu MPB3032AT (DMA33)                | M                                                | ASUS PCI-SC200<br>Teac CD-532S      |                    | Vines V7.0       | Pass   |        |
|                       | WD AC24300 (DMA33)                       | M                                                | Promise SCSIMAX<br>Toshiba XM-6201B |                    | Vines V7.0       | Pass   |        |
| SCSI Disk Controllers |                                          |                                                  |                                     |                    |                  |        |        |
| Card Type             | Card Model                               | H.D.D.                                           |                                     | CD-ROM             | O.S. Environment | Status |        |
| SCSI (ISA)            | Adaptec AHA-1542CF<br>Rev.C (BIOS:V2.02) | Maxtor MX9217SSN                                 |                                     | Sony CDU625        | Vines V7.0       | Pass   |        |
| SCSI (PCI)            | ASUS PCI-SC200<br>Rev.1.2 (BIOS:V4.03)   | IBM DCAS-34330                                   |                                     | Teac CD-532S       | Vines V7.0       | Pass   |        |
|                       | DPT PM2144UW<br>(BIOS:V003.DS)           | Seagate ST34371N                                 |                                     | Panasonic CR-506-B | Vines V7.0       | Pass   |        |
|                       | Promise SCSIMAX<br>Rev.B (BIOS:V3.07)    | Quantum HN9100S                                  |                                     | NEC CDR-1410A      | Vines V7.0       | Pass   |        |
| Ethernet Adapters     |                                          |                                                  |                                     |                    |                  |        |        |
| Card Type             | Card Model                               | Configurations:<br>IRQ      Port    Addr.    DMA |                                     |                    | O.S. Environment | Status | Remark |
| Ethernet (ISA)        | 3COM 3C509B-TP<br>(Plug and Play)        | 5                                                | 360                                 |                    | Vines V7.0       | Pass   |        |
|                       | Novell NE2000Plus-3                      | 5                                                | 300                                 |                    | Vines V7.0       | Pass   |        |
|                       | SMC 8013WC<br>Rev. A                     | 10                                               | 300                                 |                    | Vines V7.0       | Pass   |        |

### 11.3 Field (stress) Test for Networking Environment

| Test Type      | Vines V7.0                                                                                                                                                            |          |          |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| Configuration  | Intel Pentium II-333 + 128MB(SDRAM 32MB * 4) + 512KB(Internal) + DPT PM2144UW + Seagate ST34371N + Panasonic CR-506-B CD-ROM + ASUS PCI-V775V2C + Novell NE2000Plus-3 |          |          |
|                | 1 * Server (Vines V7.0)                                                                                                                                               |          |          |
|                | 1 * Client (MS-DOS 6.22)                                                                                                                                              |          |          |
| Test Procedure | Server (Vines V7.0):Run network monitoring.<br>Client (MS-DOS 6.22):Run copy file, compare file ....test.                                                             |          |          |
| Result         | Pass                                                                                                                                                                  | Duration | 16 Hours |

|                       |                                                                                                                                                                            |                 |                 |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Test Type</b>      | <b>Vines V7.0</b>                                                                                                                                                          |                 |                 |
| <b>Configuration</b>  | Intel Pentium II-350 + 64MB(SDRAM 32MB * 2) + 512KB(Internal) + On-board IDE + Quantum SE2100AT + Promise SCSIMAX + NEC CDR-1410A CD-ROM + ASUS AGP-V3000 + 3COM 3C509B-TP |                 |                 |
|                       | 1 * Server (Vines V7.0)<br>1 * Client (MS-DOS 6.22)                                                                                                                        |                 |                 |
| <b>Test Procedure</b> | Server (Vines V7.0):Run network monitoring.<br>Client (MS-DOS 6.22):Run copy file, compare file ....test.                                                                  |                 |                 |
| <b>Result</b>         | <b>Pass</b>                                                                                                                                                                | <b>Duration</b> | <b>11 Hours</b> |

## PART C. RELIABILITY ENVIRONMENT TEST

### 1. Power Consumption Test

#### 1.1 Test Configuration

- P2B-DS with Intel Pentium II-333 \* 2 ,400 \* 2 MHz CPU with fan
- DRAM 128MB(SDRAM 32 MB \* 4) Cache 512KB(Internal)
- On-board IDE controller
- NEC FD1231H 3.5 inch 1.44 MB floppy drive
- Quantum TX04A101 5.25 inch 4GB hard drive
- ASUS AGP-2740 AGP VGA card with 8 MB DRAM
- Seventeam ST-250HR 250W ATX power supply
- Forex FRX-256L 14 inch green monitor

#### 1.2 Test Result

| Low AC Line 115V    | ITEM                       |                            |       |
|---------------------|----------------------------|----------------------------|-------|
| 1. System Only      | Intel Pentium II - 333 * 2 | Intel Pentium II - 400 * 2 | UNIT  |
| Full mode           | 64.4                       | 66.5                       | Watts |
| Suspend mode        | 43.9                       | 42.1                       | Watts |
| 2. System & Monitor |                            |                            |       |
| Full mode           | 152.2                      | 156.2                      | Watts |
| Suspend mode        | 54.2                       | 52.5                       | Watts |

| High AC Line 230V   | ITEM                       |                            |       |
|---------------------|----------------------------|----------------------------|-------|
| 1. System Only      | Intel Pentium II - 333 * 2 | Intel Pentium II - 400 * 2 | UNIT  |
| Full mode           | 65.0                       | 65.9                       | Watts |
| Suspend mode        | 43.2                       | 41.5                       | Watts |
| 2. System & Monitor |                            |                            |       |
| Full mode           | 127.0                      | 128.4                      | Watts |
| Suspend mode        | 56.0                       | 54.4                       | Watts |

## 2. Temperature / Humidity

### 2.1 Test Configuration

- P2B-DS with Intel Pentium II-400 MHz CPU \* 2 with fan
- DRAM 128MB(SDRAM 32 MB \* 4) Cache 512KB(Internal)
- On-board IDE controller
- NEC FD1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2112 MB hard drive
- ASUS AGP-2740 AGP VGA card with 8 MB DRAM
- Seventeam ST-250HR 250W ATX power supply
- TECO TE-9516S 14 inch color monitor

### 2.2 Emulate Environment Range

Temperature: 10°C~50°C

Humidity: 20%~85%

### 2.3 Test Program

Running ASUS QC test programs under Windows NT 4.0 WorkStation

### 2.4 Test Result

| Step | Temperature (°C) | Relative Humidity (%) | Time (Hour:Minutes) | Status |
|------|------------------|-----------------------|---------------------|--------|
| 1    | 10               | 20                    | 00:30               | Pass   |
| 2    | 10               | 20                    | 20:00               | Pass   |
| 3    | 50               | 20                    | 00:30               | Pass   |
| 4    | 50               | 85                    | 08:00               | Pass   |
| 5    | 50               | 85                    | 12:00               | Pass   |
| 6    | 25               | 35                    | 00:30               | Pass   |

### 3. Thermal Measurement

Please see Thermal Curve **Figure** which shows all the thermal curves from different measuring points, when the machine was warmed up and the temperature became stable, all functions are working perfectly during the test.

#### 3.1 Test Configuration

- P2B-DS with Intel Pentium II-400 MHz CPU \* 2 with fan
- DRAM 128MB(SDRAM 32 MB \* 4) Cache 512KB(Internal)
- On-board IDE controller
- NEC FD1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2112 MB hard drive
- ASUS AGP-2740 AGP VGA card with 8 MB DRAM
- Seventeam ST-250HR 250W ATX power supply
- TECO TE-9516S 14 inch color monitor

#### 3.2 Emulate Environment Range

Temperature:35 °C

Relative humidity:80%

#### 3.3 Test program

Running ASUS QC test programs under Windows NT 4.0 WorkStation

#### 3.4 Testing Result

| <b>Channel No.</b> | <b>Step Channel</b>            | <b>Temperature(°C)</b> | <b>Specification</b> |
|--------------------|--------------------------------|------------------------|----------------------|
| CH1-1 (TP1)        | Ambient temperature            | 44.2                   | -                    |
| CH1-2 (TP2)        | Intel Pentium II-400 MHz CPU 1 | 69.3                   | 75                   |
| CH1-3 (TP3)        | Intel Pentium II-400 MHz CPU 2 | 52.1                   | 75                   |
| CH1-4 (TP4)        | Intel 82443BX                  | 58.2                   | 105                  |
| CH1-5 (TP5)        | ICS 9150AF-08                  | 75.1                   | 80                   |
| CH1-6 (TP6)        | PBYB 1035B (Q18)               | 56.4                   | 150                  |
| CH1-7 (TP7)        | F45N03L (Q11)                  | 54.2                   | 175                  |
| CH1-8 (TP8)        | PI5C 16292A (U11)              | 48.8                   | -                    |
| CH1-9 (TP9)        | HIP 6019CB (U3)                | 64.5                   | -                    |
| CH1-10 (TP10)      | HUF 76129 (Q9)                 | 60.5                   | -                    |
| CH1-11 (TP11)      | DS 2105S                       | 45.2                   | -                    |
| CH1-12 (TP12)      | Adaptec AIC-3860Q (U15)        | 55.7                   | -                    |
| CH1-13 (TP13)      | Adaptec AIC-7890AB             | 67.6                   | -                    |
| CH1-14 (TP14)      | DALLAS 2118MB (U16)            | 45.1                   | -                    |
| CH1-15 (TP15)      | CMA8815(B)                     | 48.0                   | -                    |
| CH1-16 (TP16)      | Intel FW82371EB                | 50.8                   | 85                   |
| CH1-17 (TP17)      | ASUS AS97127F (U2401)          | 44.6                   | 70                   |
| CH1-18 (TP18)      | Intel S82093AA                 | 46.1                   | -                    |
| CH1-19 (TP19)      | LGS GD75232D (U1302)           | 65.5                   | 75                   |
| CH1-20 (TP20)      | Winbond W83977TF-AW (U1)       | 50.3                   | 70                   |

## 4. DC Margin Test

### 4.1 Test Configuration

- P2B-DS with Intel Pentium II-400 MHz CPU \* 2 with fan
- DRAM 128MB(SDRAM 32 MB \* 4) Cache 512KB(Internal)
- On-board IDE controller
- NEC FD1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2112 MB hard drive
- ASUS AGP-2740 AGP VGA card with 8 MB DRAM
- Seventeam ST-200HR 200W ATX power supply
- Forex FRX-256L 14 inch green monitor

### 4.2 Test Program

Running for ten times disk boot at Unix and Windows environment, then put the system under Windows environment to run ASUS QC at over night testing which system without any malfunction.

### 4.3 Test Result

| <i>Item</i> | <i>Test Condition (48 hours)</i> |       |      |       | <i>Result</i> |
|-------------|----------------------------------|-------|------|-------|---------------|
| 1           | +5 V                             | +5 %  | +12V | +5 %  | Pass          |
| 2           | +5 V                             | +5 %  | +12V | - 4 % | Pass          |
| 3           | +5 V                             | - 4 % | +12V | +5 %  | Pass          |
| 4           | +5 V                             | - 4 % | +12V | - 4 % | Pass          |

## 5. Power On Off Test

### 5.1 Test Configuration

- P2B-DS with Intel Pentium II-400 MHz CPU \* 2 with fan
- DRAM 128MB(SDRAM 32 MB \* 4) Cache 512KB(Internal)
- On-board IDE controller
- NEC FD1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2112 MB hard drive
- ASUS AGP-2740 AGP VGA card with 8 MB DRAM
- Forex FRX-256L 14 inch green monitor

### 5.2 Instrument

ASUSTeK Power On/Off Tester

### 5.3 Test Specification

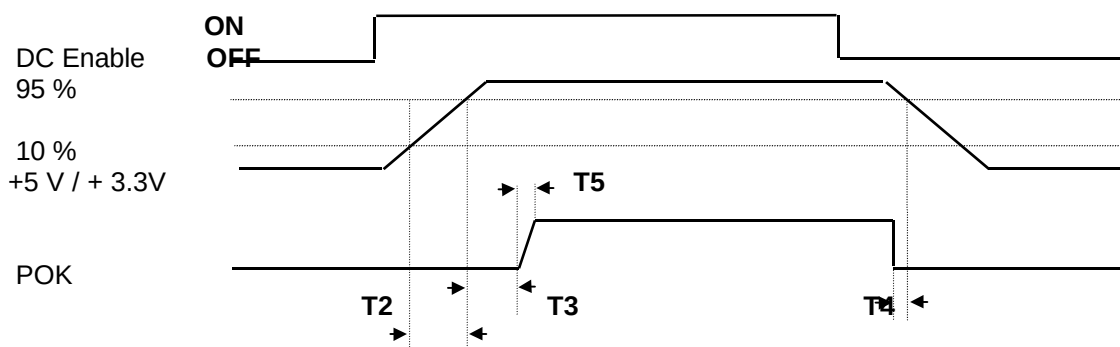
To follow ATX switching power supply standard power on off sequence

$2\text{ ms} < T2 < 20\text{ ms}$

$100\text{ ms} < T3 < 2000\text{ ms}$

$T4 > 1\text{ms}$

$T5 < 10\text{ ms}$



### 5.4 Test Result

| Power On / Off<br>Test Times | Manual System Power On/Off Test |           | Remark                  |
|------------------------------|---------------------------------|-----------|-------------------------|
|                              | Power On                        | Power Off |                         |
| 10 Times                     | Pass                            | Pass      | Under 7 model's ATX SPS |
| 20 Times                     | Pass                            | Pass      | "                       |
| 30 Times                     | Pass                            | Pass      | "                       |
| 40 Times                     | Pass                            | Pass      | "                       |
| 50 Times                     | Pass                            | Pass      | "                       |

| <b>Power On / Off<br/>Test Times</b> | <b>Warm Boot Power On/Off Test</b> |                  | <b>Remark</b>           |
|--------------------------------------|------------------------------------|------------------|-------------------------|
|                                      | <b>Power On</b>                    | <b>Power Off</b> |                         |
| 10 Times                             | Pass                               | Pass             | Under 7 model's ATX SPS |
| 20 Times                             | Pass                               | Pass             | "                       |
| 30 Times                             | Pass                               | Pass             | "                       |
| 40 Times                             | Pass                               | Pass             | "                       |
| 50 Times                             | Pass                               | Pass             | "                       |

| <b>Power On / Off<br/>Test Times</b> | <b>Auto System Power On/Off Test</b> |                  | <b>Remark</b>           |
|--------------------------------------|--------------------------------------|------------------|-------------------------|
|                                      | <b>Power On</b>                      | <b>Power Off</b> |                         |
| 10 Times                             | Pass                                 | Pass             | Under 7 model's ATX SPS |
| 20 Times                             | Pass                                 | Pass             | "                       |
| 30 Times                             | Pass                                 | Pass             | "                       |
| 40 Times                             | Pass                                 | Pass             | "                       |
| 50 Times                             | Pass                                 | Pass             | "                       |

