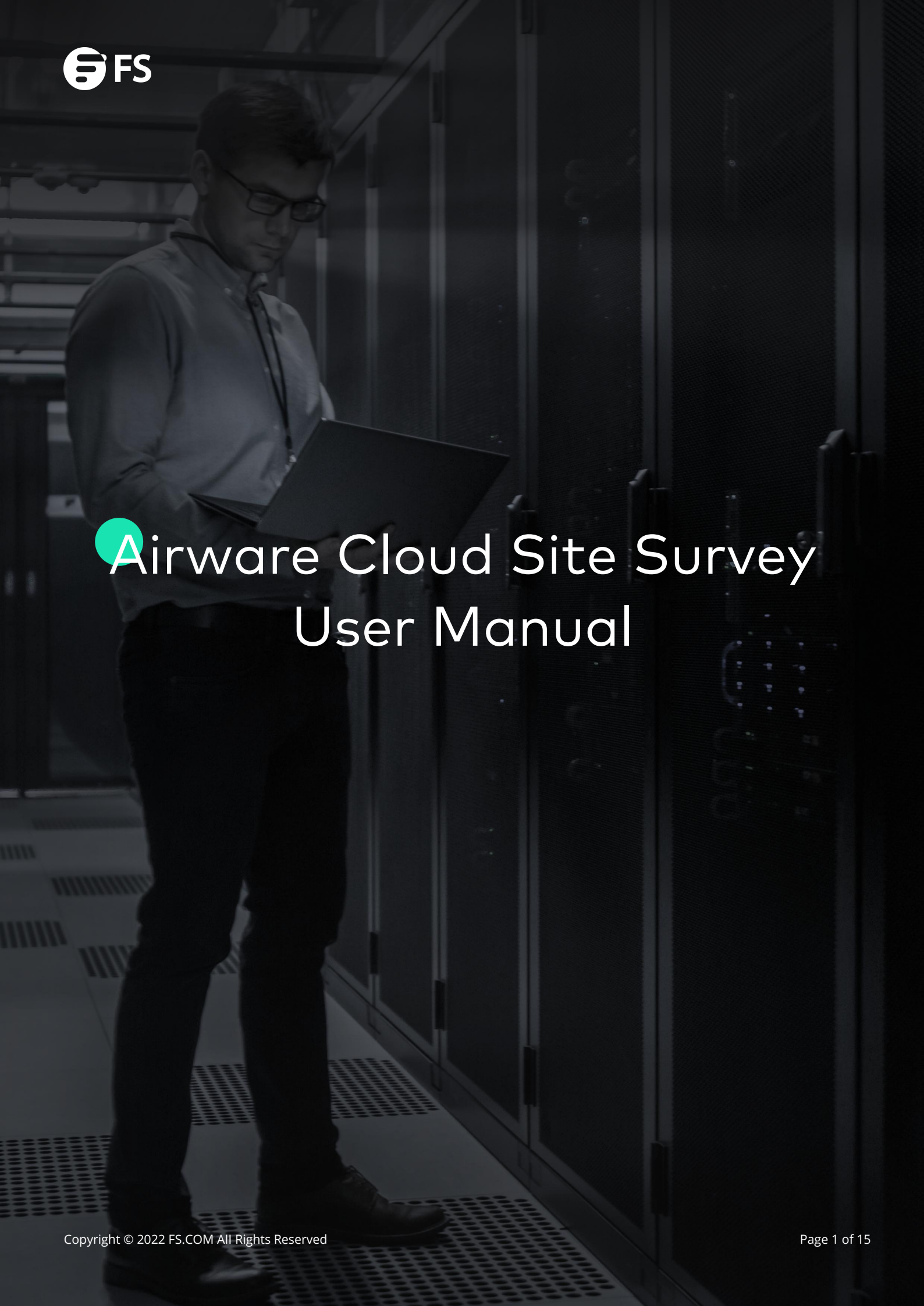

Airware Cloud Site Survey User Manual

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Overview

Site survey is required before project deployment, to determine the impact of obstacles on signal strength by simulating an actual environment, and further provide an appropriate device pre-deployment solution.

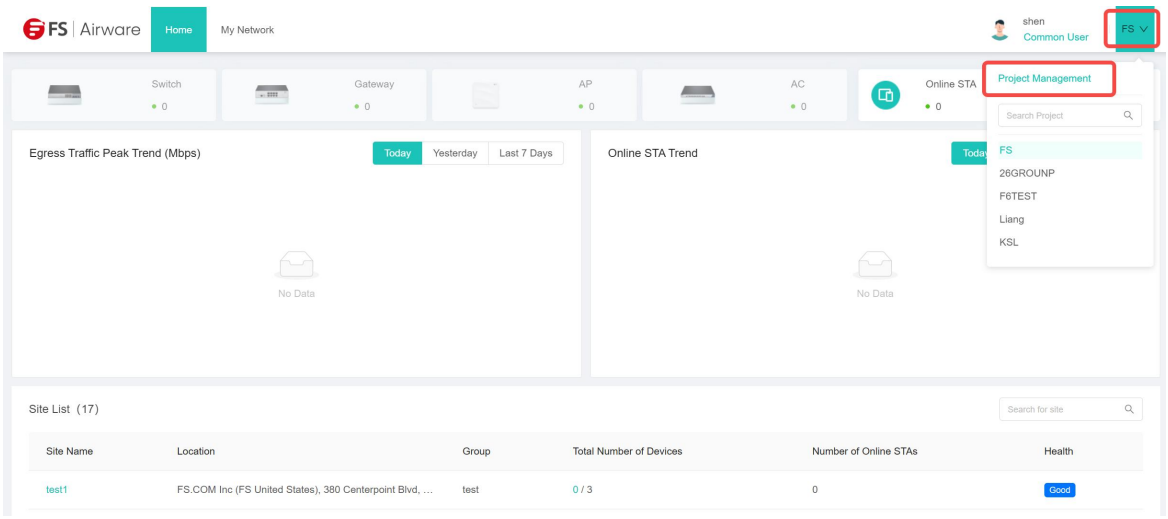
1. Importing a Floor Plan

1.1 Procedure

(1) Go to the Project Management page.

Click the project name in the top right corner and choose **Project Management** to go to the Project Management page.

Figure 1-1. Entering the Project Management Page



In the project list, click **Site Survey** on a project entry to go to the **Site Survey** page.

Figure 1-2. Entering the Site Survey Page

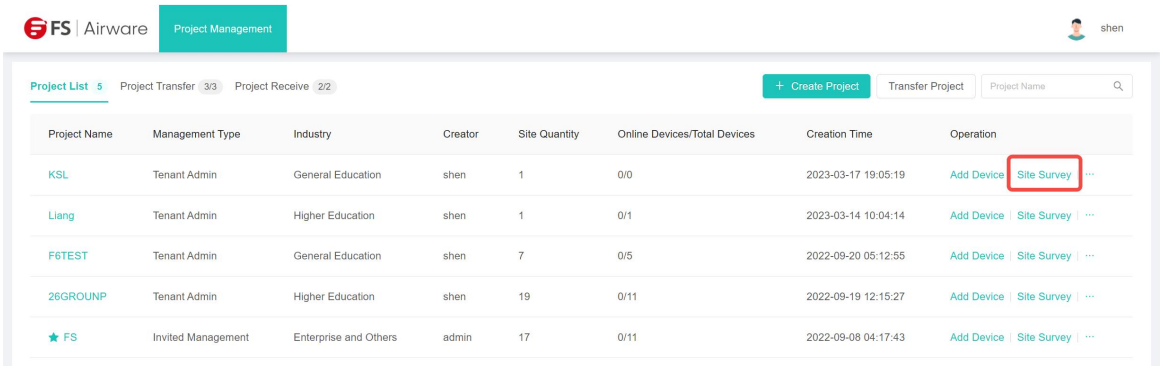


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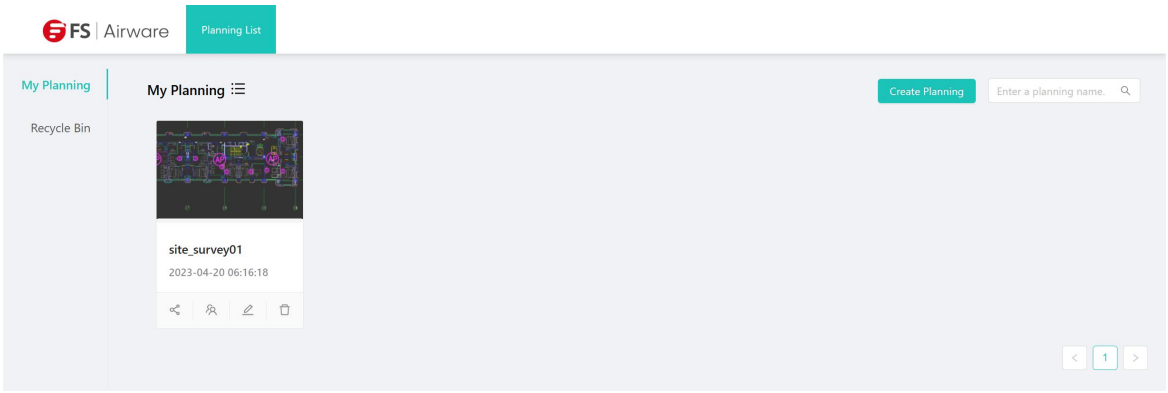
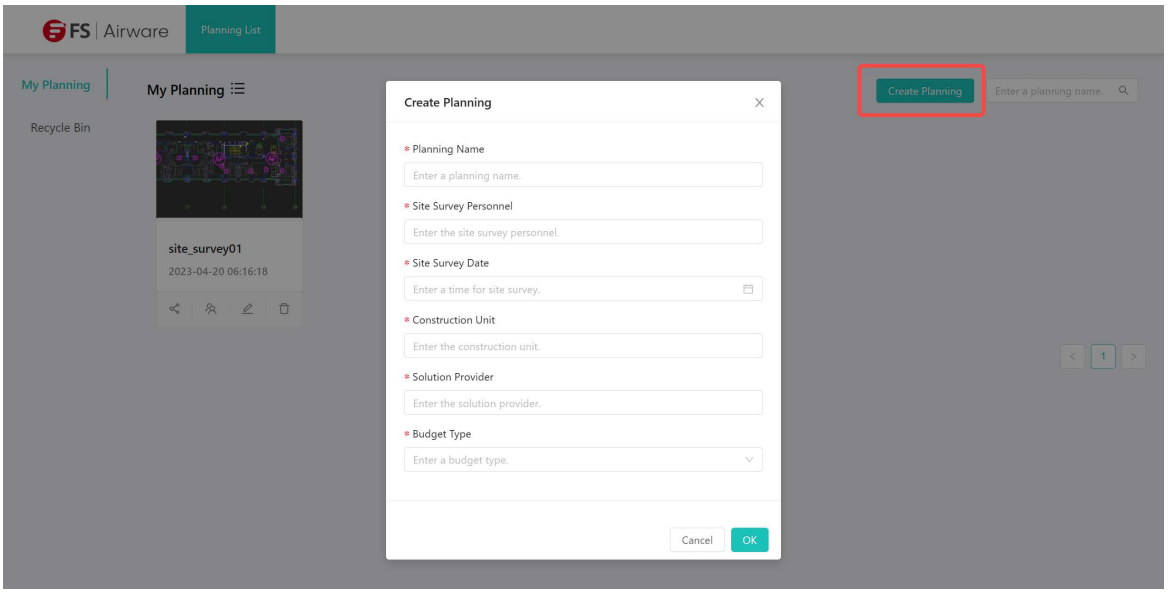
Figure 1-3. Plan List for Cloud Site Survey



(2) Create a plan.

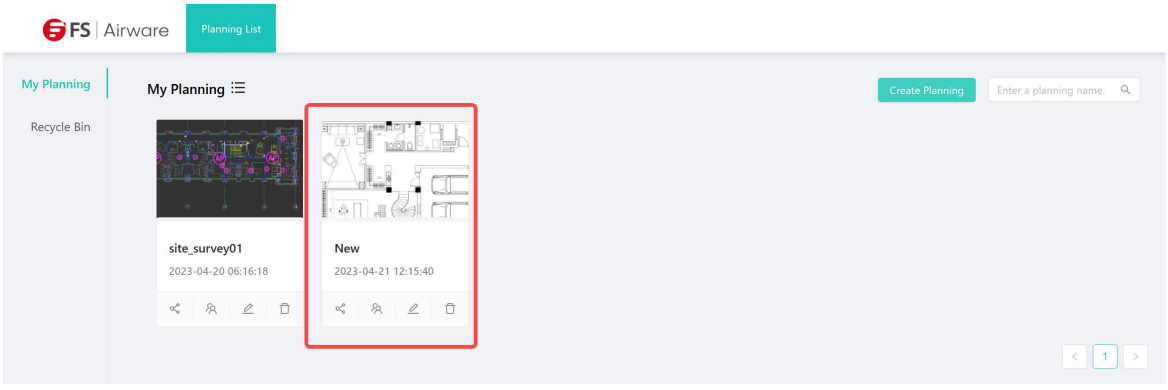
Click **Create Planning**. Enter necessary information as required, including the plan name, site survey personnel, site survey date, construction unit, solution provider, and budget type.

Figure 1-4. Creating a Plan



Click **OK**. A plan is created.

Figure 1-5. New Plan



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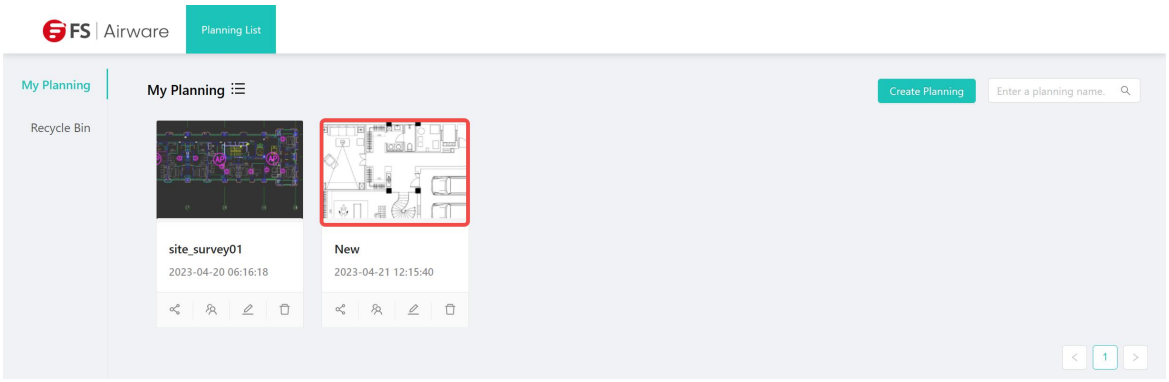
(3) Create a building.

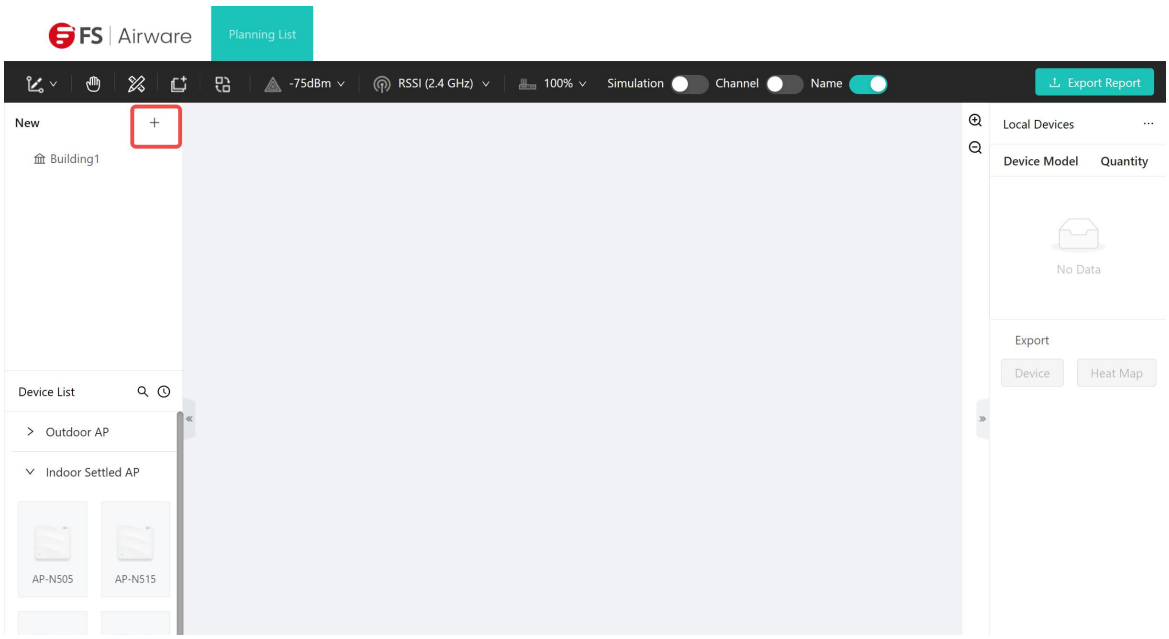
Click any position in the red box to go to the planning and design page.

Figure 1-6. Entering the Planning and Design Page



Click the plus sign (+) on the left side of the page to create a building. To delete a building, hover the cursor over the building and click 

Figure 1-7. Creating a Building



(4) Create a floor.

Hover the cursor over the selected building and click the plus sign (+) to create a floor. To edit, copy, or delete the floor, hover the cursor over the floor and click , , or .

Figure 1-8. Creating a Floor

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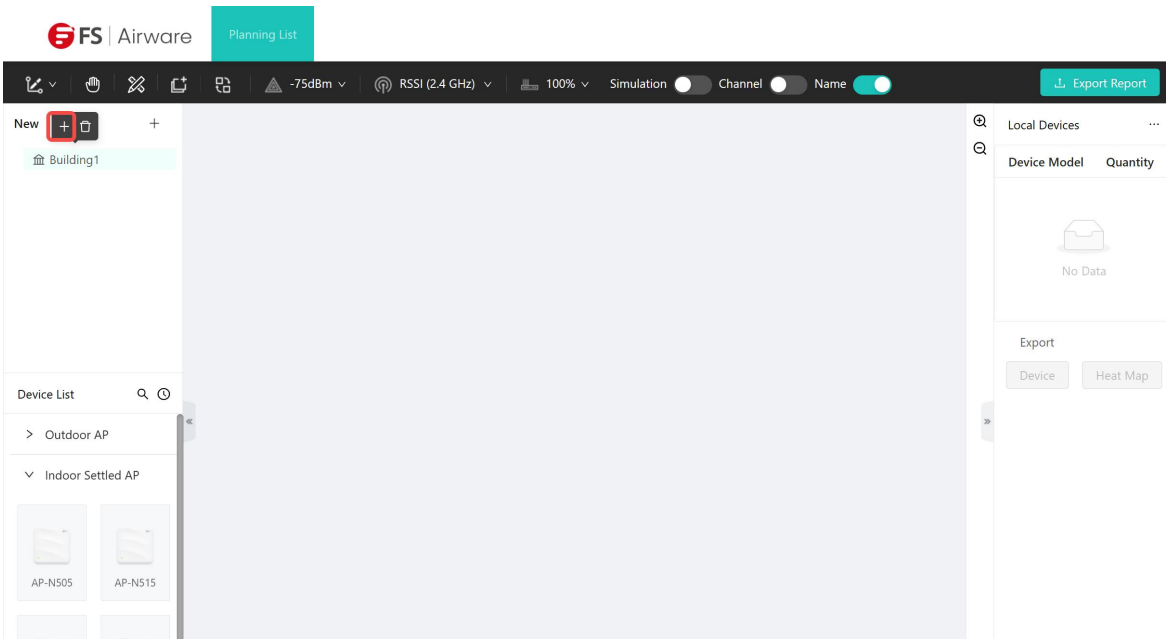
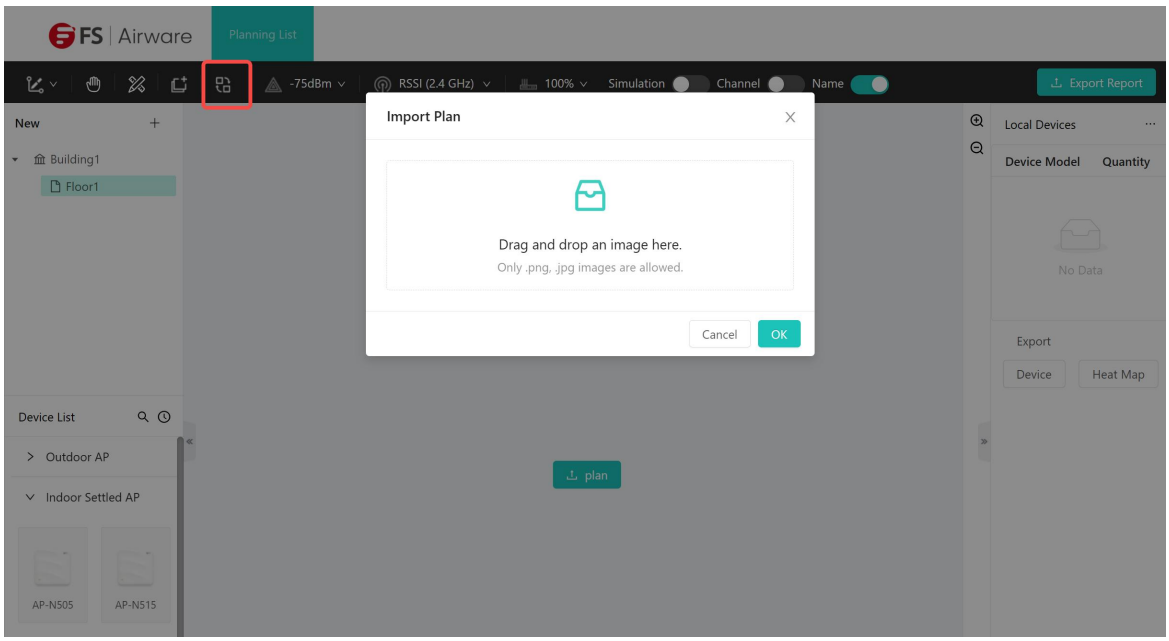


(5) Importing a floor plan

After a floor is created, click the floor and click . The **Import Plan** dialog box appears. Select a floor plan and click **OK**.

Figure 1-9. Importing a Floor Plan



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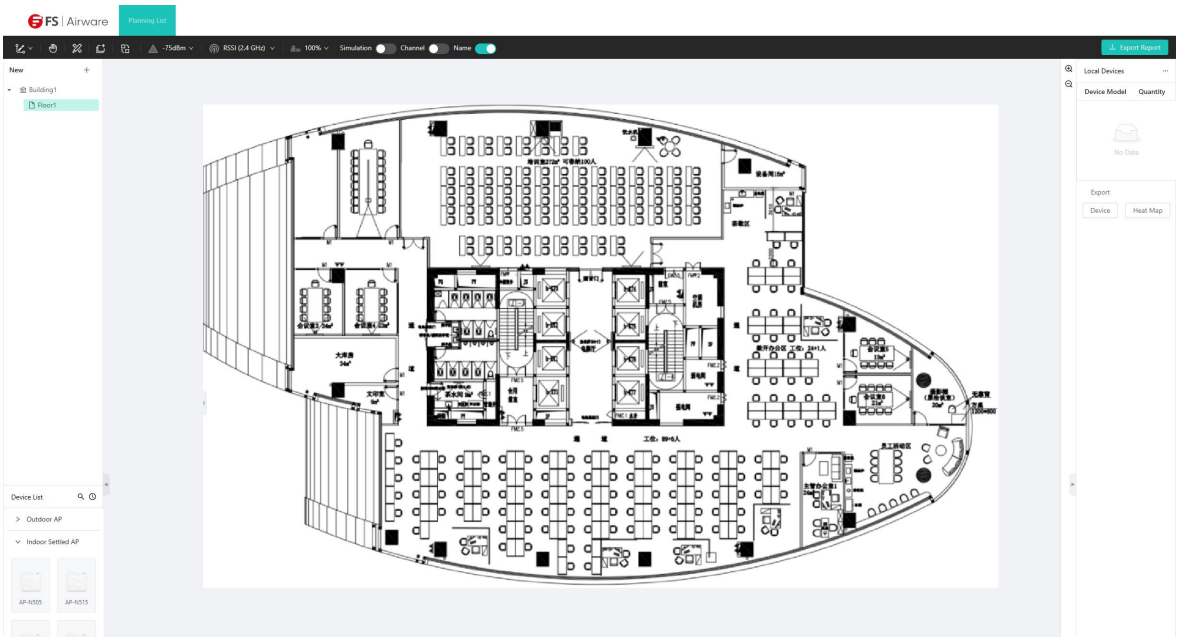
1.2 Verifying the Configurations

The floor plan is imported.



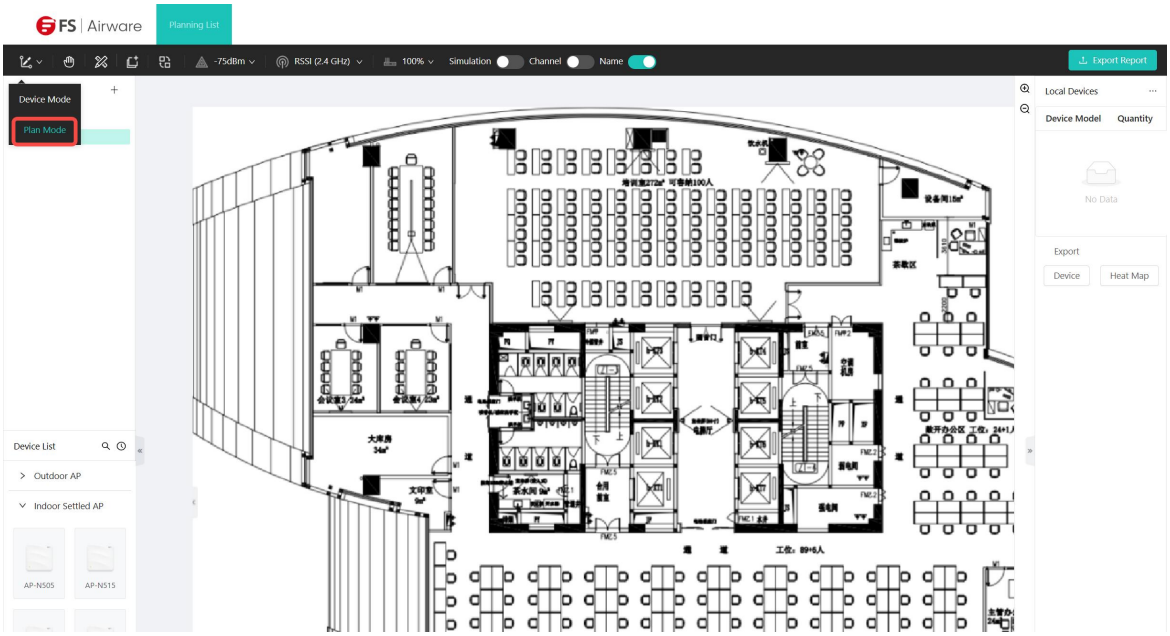
2. Drawing Obstacles

2.1 Procedure

(1) Select the floor plan editing mode.

Click  and click **Plan Mode** to enter the floor plan editing mode.

Figure 2-1. Editing a Floor Plan



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(2) Set the scale.

Click 

Draw a line, and set the ratio between the distance on the drawing and the actual distance.

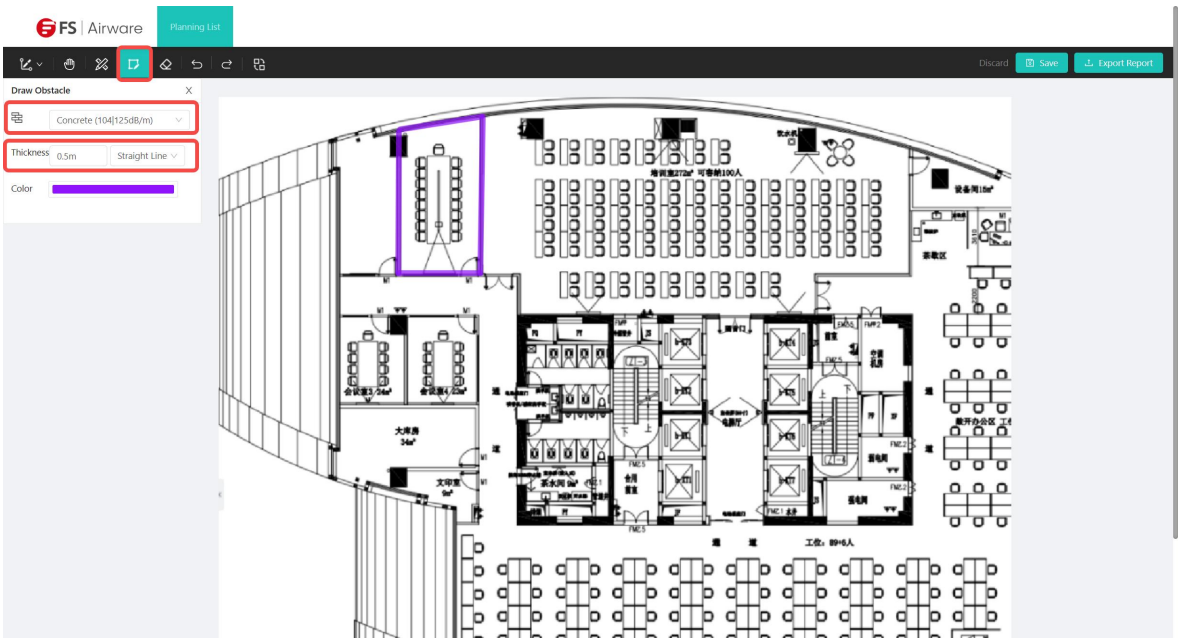
Figure 2-2. Setting the Scale



(3) Add obstacles.

Click  and select the materials, thicknesses, shapes, and colors of the obstacles to be drawn, and draw the obstacles on the floor plan.

Figure 2-3. Drawing Obstacles



(4) Erase obstacles.

Click , hover the cursor over an obstacle, and click the obstacle to erase it.

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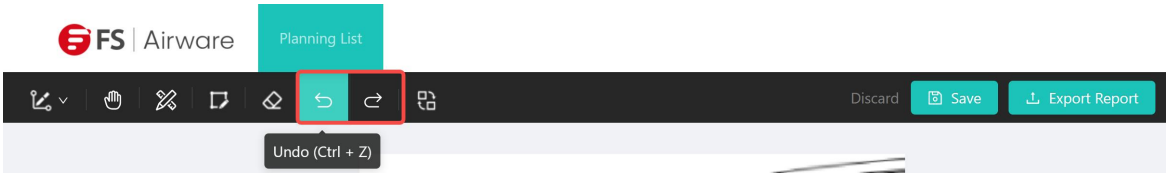
Figure 2-4. Erasing Obstacles



(5) Undo or redo the previous operation.

Click or to undo or redo the previous operation.

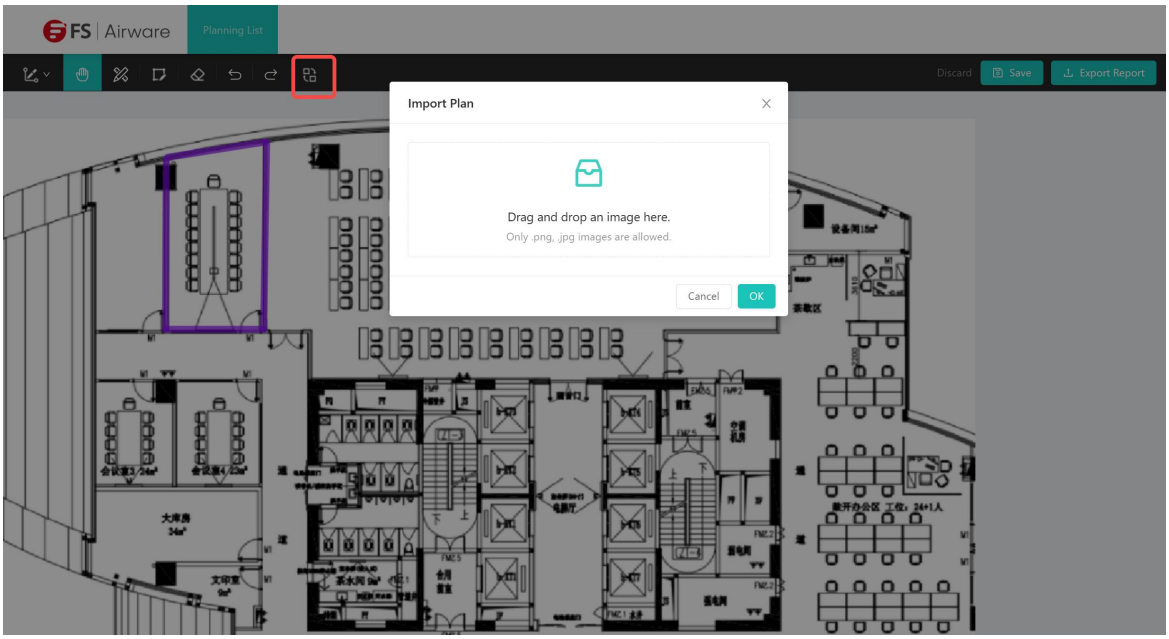
Figure 2-5. Undoing or Redoing the Previous Operation



(6) Change the floor plan.

Click change the floor plan being drawn.

Figure 2-6. Changing a Floor Plan



Caution

- If a floor plan is changed after obstacles are drawn, the drawn obstacles become invalid.

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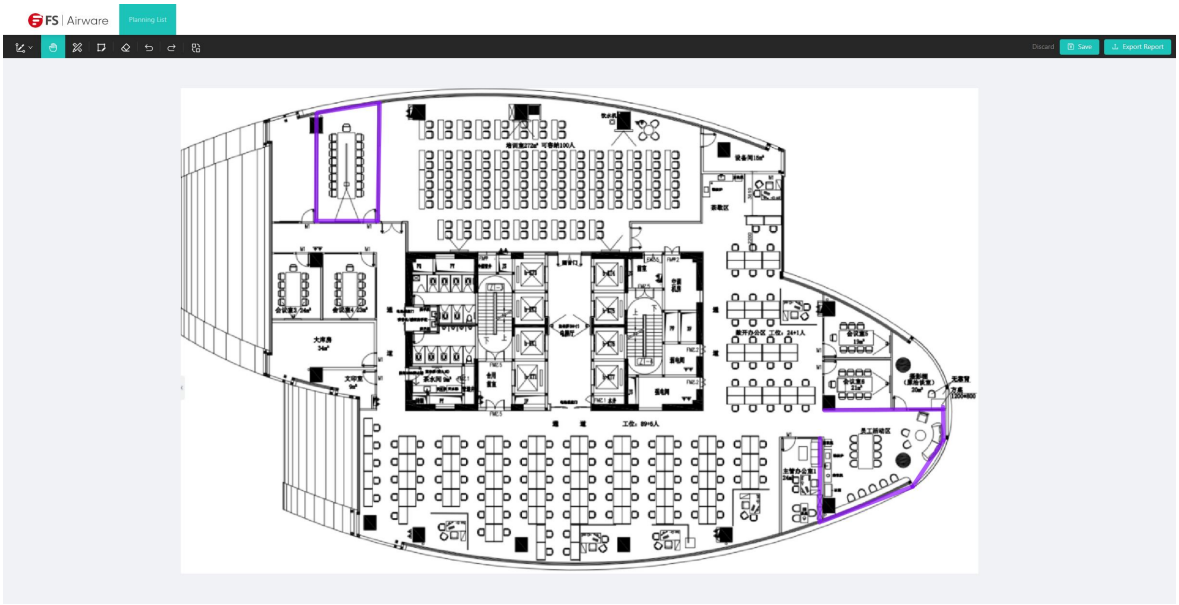
2.2 Verifying the Configurations

The following figure shows the drawn obstacles.



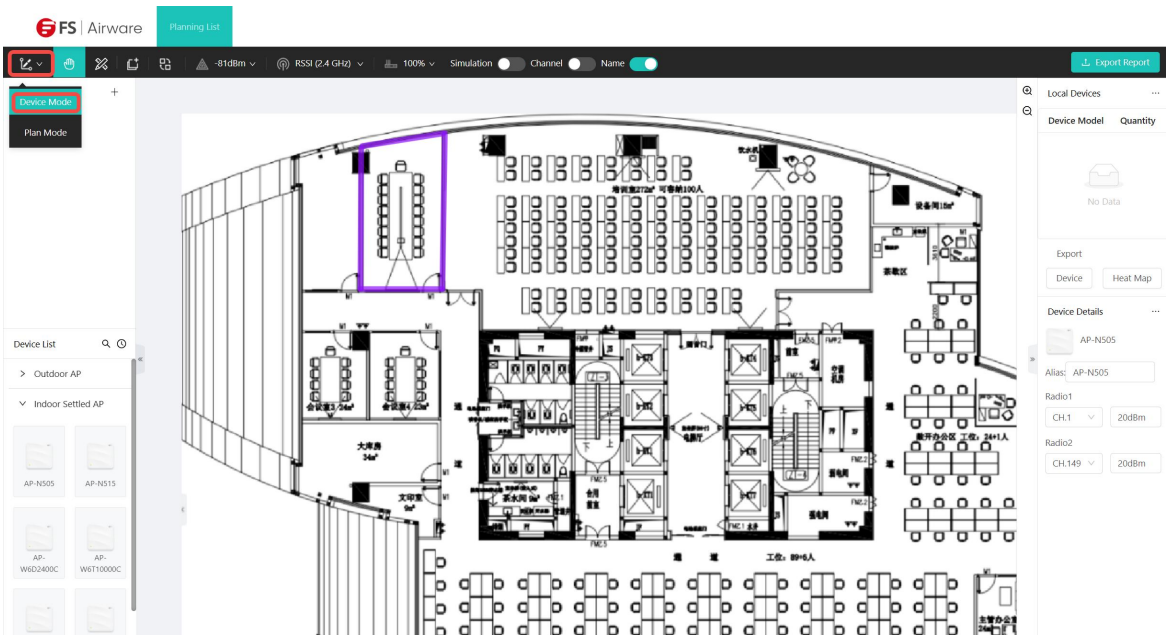
3. Adding a Device

3.1 Procedure

(1) Select the device editing mode.

Click  and click **Device Mode** to enter the device editing mode.

Figure 3-1. Device Editing Mode



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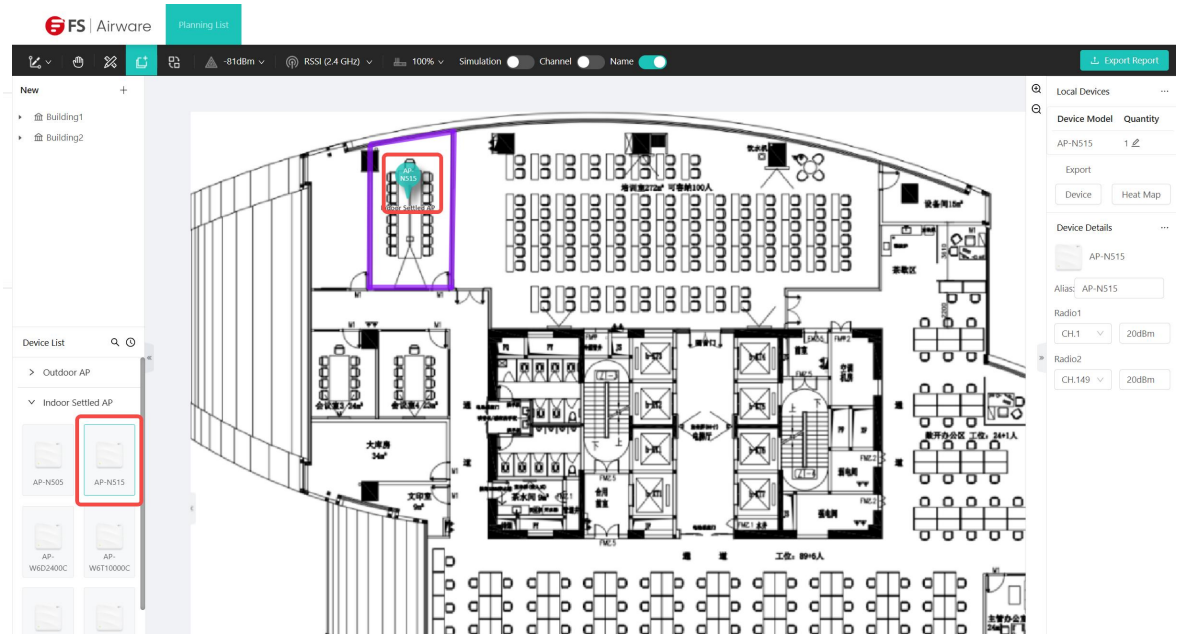
(2) Add APs.

Click a device in the device list, hover the cursor over the device deployment position in the floor plan, and click the position to deploy the device.

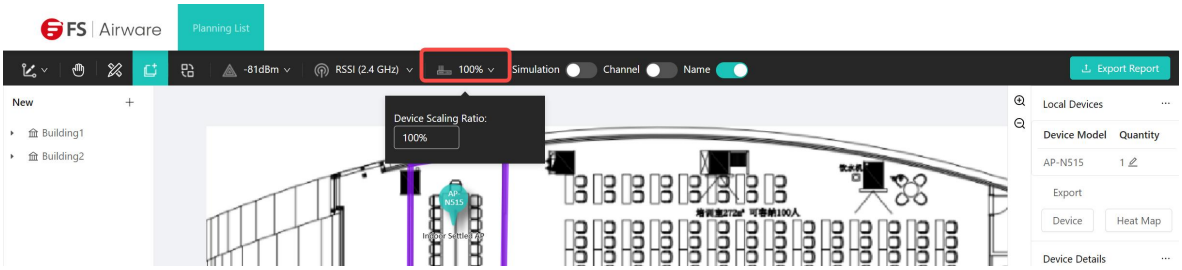
Figure 3-2. Adding a Device



(3) Adjust the device scaling ratio.

Click  and change the device scaling ratio to adjust the size of the AP on the floor plan.

Figure 3-3. Adjusting the Device Scaling Ratio



(4) Delete a device.

Click " ··· " and click Delete Device to delete the currently highlighted device.

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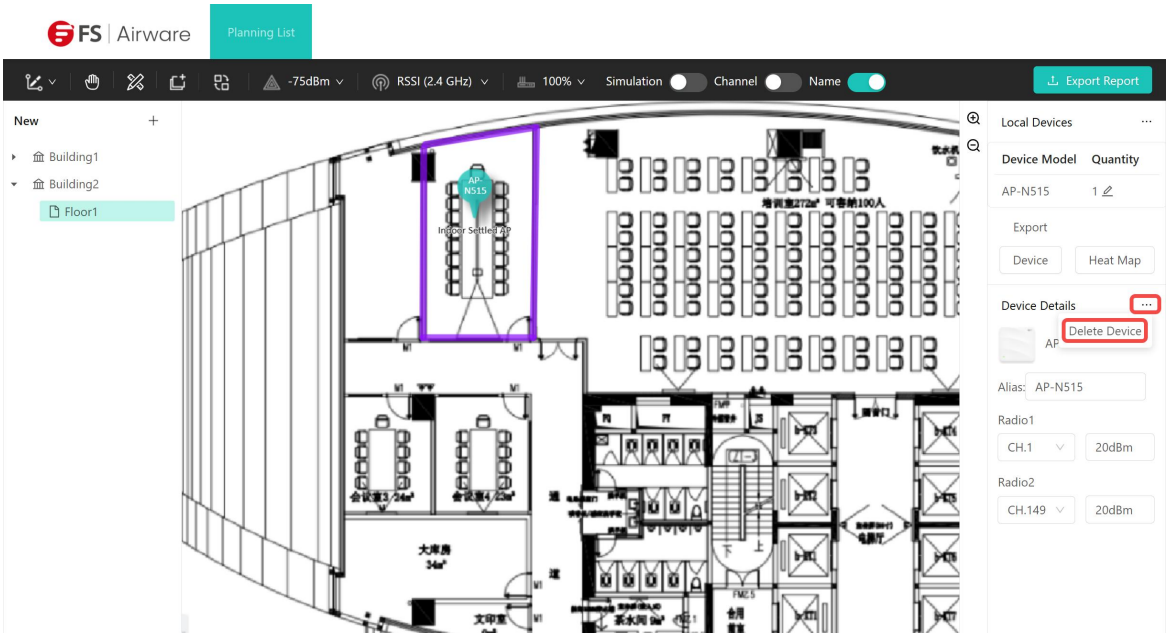
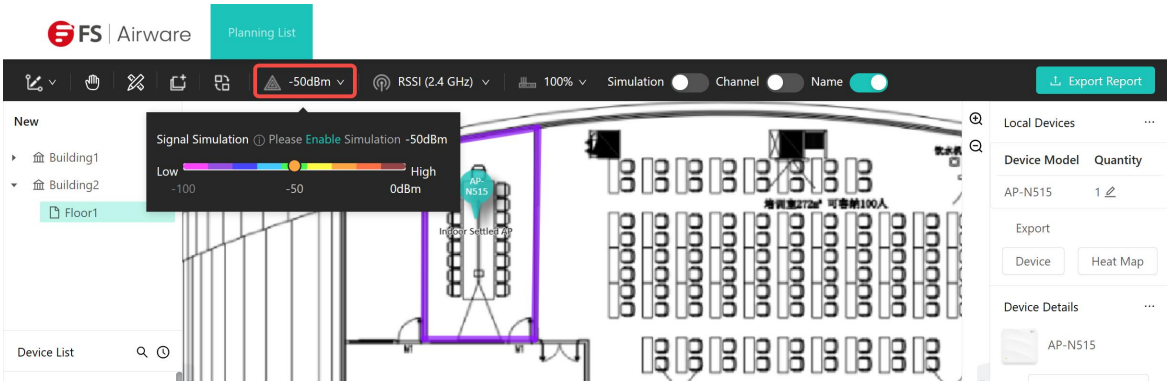


4. Performing Signal Simulation

(1) Set the signal strength.

Click -50dBm to set signal strength. The signal strength ranges from –100 dBm to 0 dBm, and can be selected based on actual requirements.

Figure 4-1. Setting Signal Strength



(2) Set the simulation type.

Click RSSI (2.4 GHz) and select a simulation type.

Figure 4-2. Setting the Simulation Type

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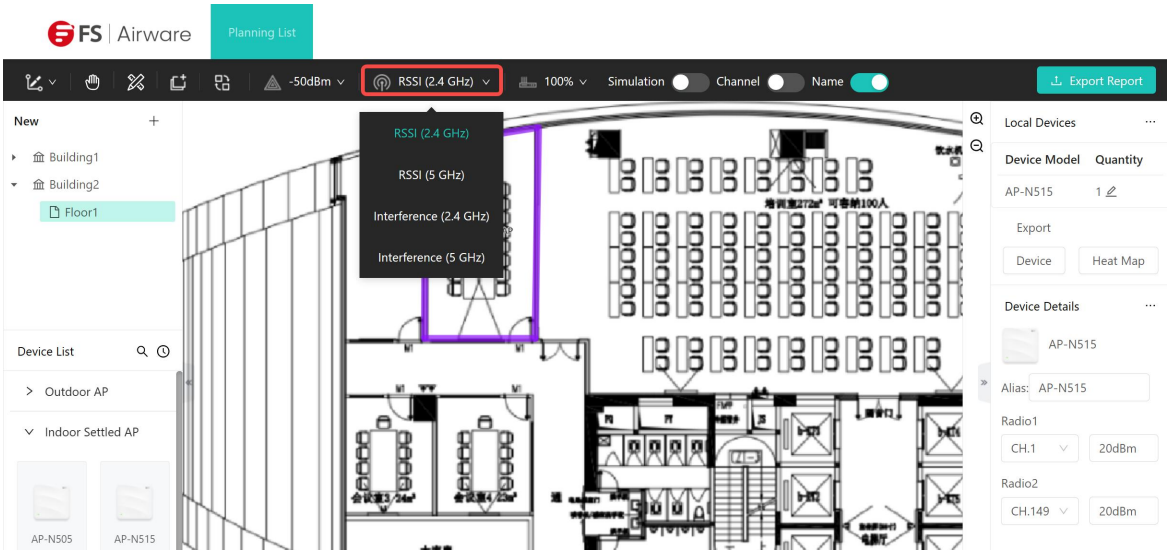
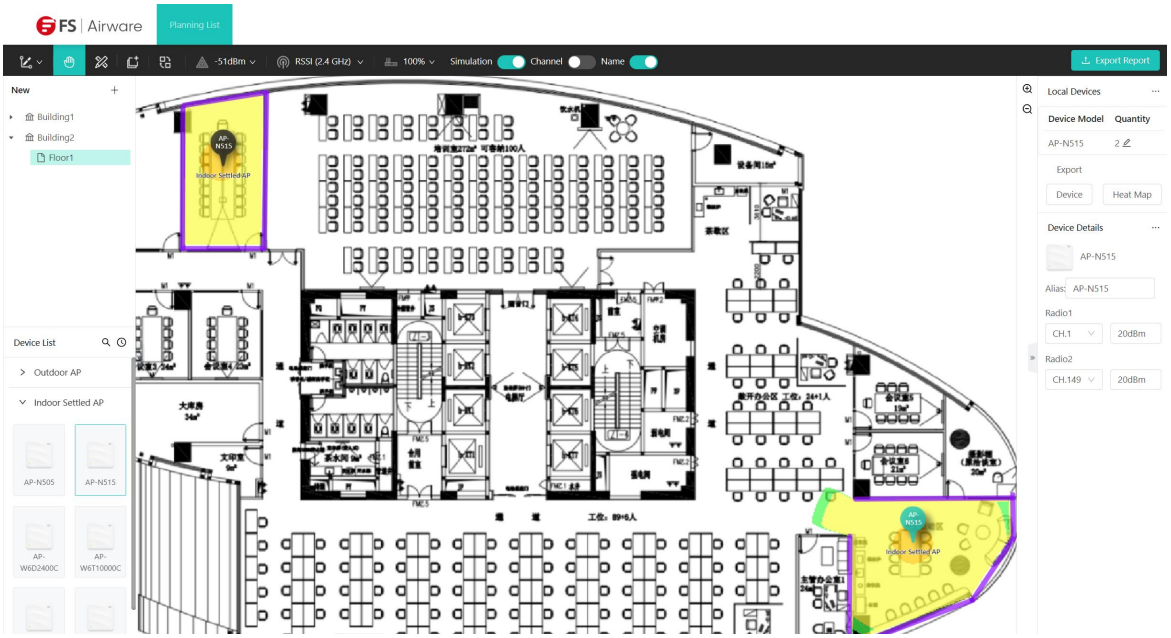


(3) Perform simulation.

Click Simulation to start simulation.

Figure 4-3. simulation



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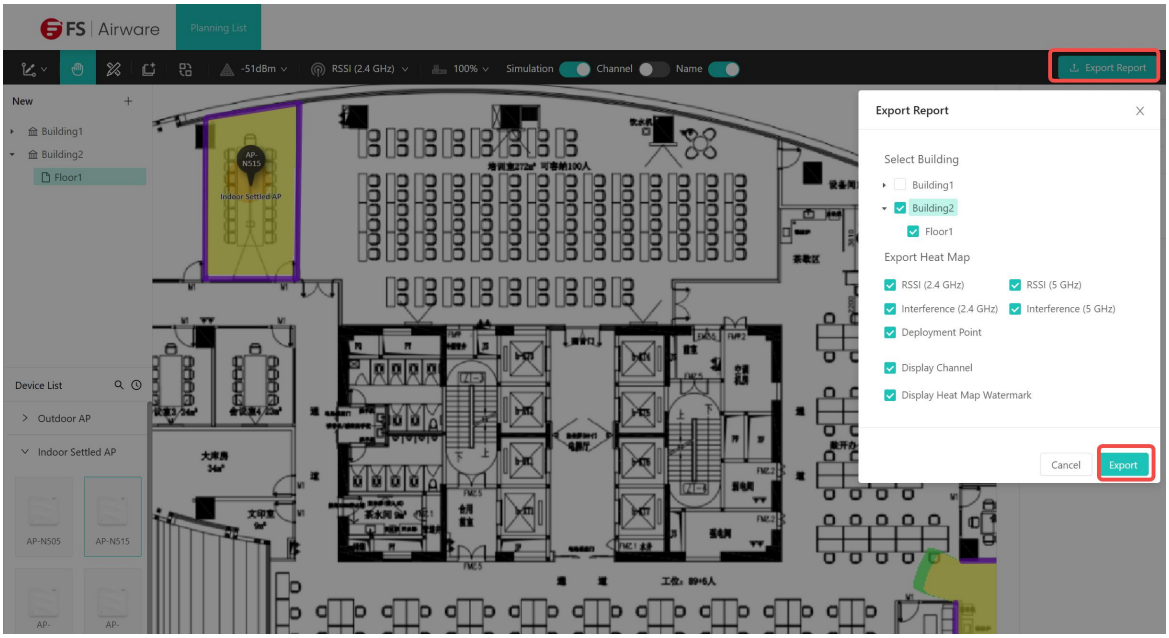
5. Exporting a Report

1.1 Procedure

(1) After a site survey plan is designed, click Export Report and select required floors and report details to export a site survey report.

Figure 5-1. Exporting a Report



(2) After the report is exported, decompress the report file on the local PC to view the site survey report.

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