TapHere!® PinPoint

Quick-Start Guide

Connect

1. Attach an antenna and a filter (if needed) to the RX1 port on the SABR (PinPoint radio) hardware.
2. Connect SABR via a USB 3.0 cable to the host device and wait at least 8 seconds for it to fully power on.
3. Tap the "Connect" button to search for the device. If an error occurs try unplugging, reconnecting the device, and trying to connect again.

Setup

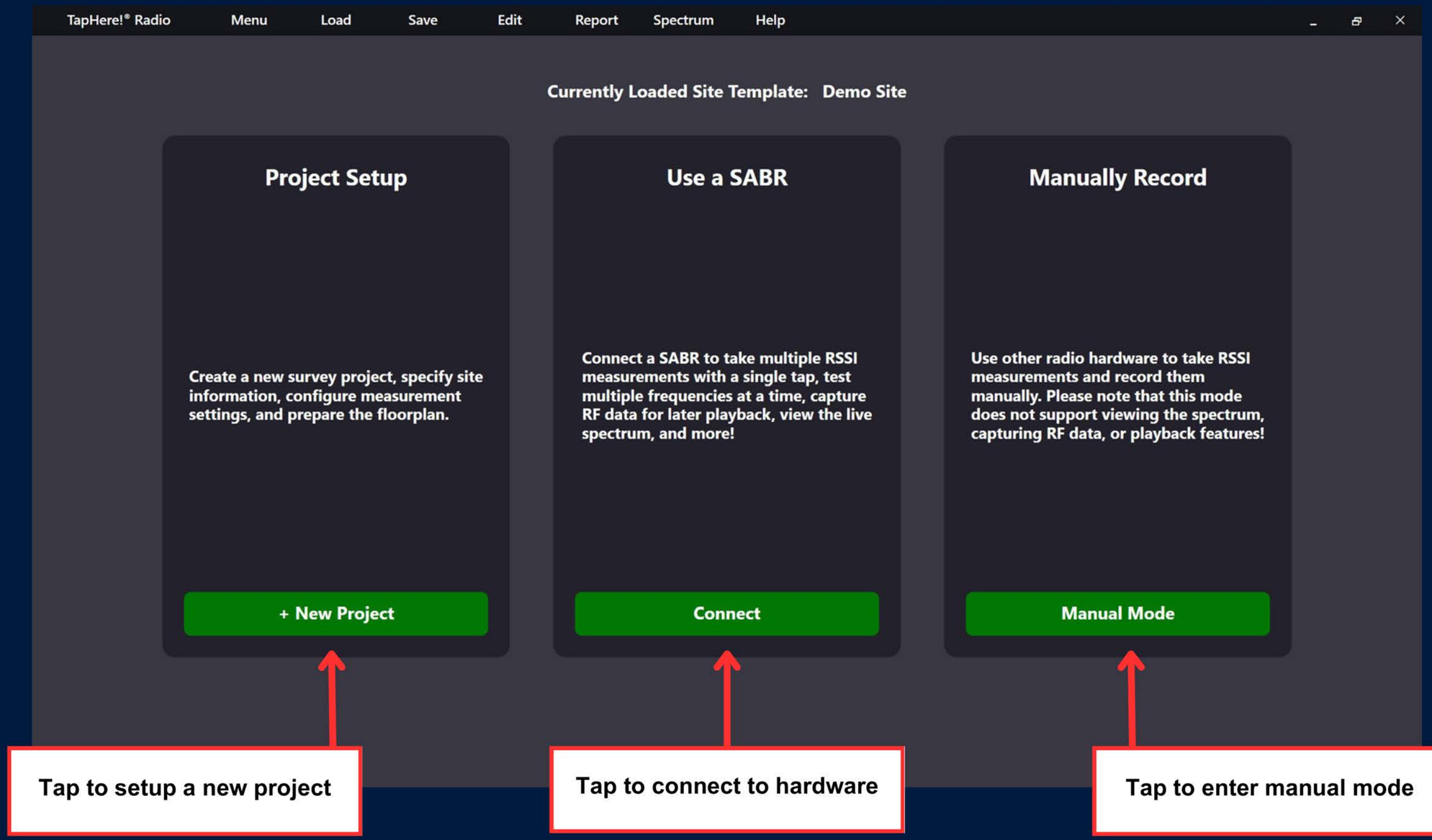
1. Set the measured frequencies, reception mode, and other radio parameters.
2. Specify how many measurements to take and other sampling settings.
3. Click the "Next Page" button to begin setting up the floorplan and gridding. Here you specify number of floors, load images, etc.
4. Once done with setting up the floors tap the "Apply" button to save the configuration and continue.

Measure

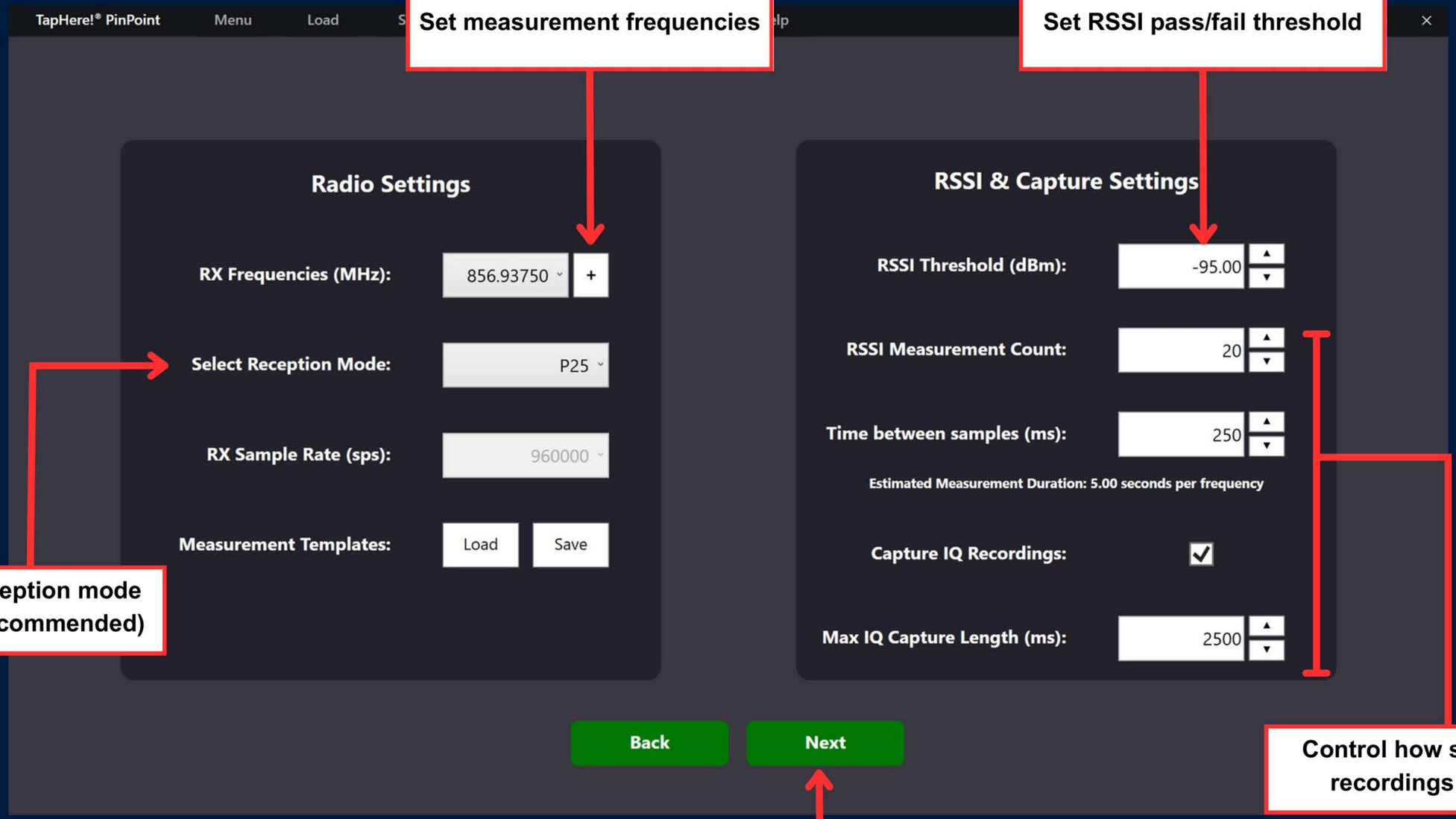
1. Tap an unmeasured square to take a measurement and capture signal recordings if configured (i.e., IQ data).
2. Long hold on a square to view additional options such as taking additional measurements or setting the area as inaccessible or critical.
3. Tap a measured square to replay any IQ captures. Press the "Spectrum" button to view the spectrum live
4. Use the frequency and measurement type pulldown menus to view more results, if multiple frequencies or metrics are being measured.

Report

1. Setup report options such as branding, pass and fail criteria, threshold settings, as well as location and test information.
2. Tap "Generate Report" to begin generating a report for each of the frequencies being tested.
3. Once generation is complete a pop-up prompt will appear allowing the user the option to open the folder containing the reports.


TapHere!® Radio
Menu
Load
Save
Edit
Report
Spectrum
Help
Currently Loaded Site Template: Demo Site
Project Setup
Create a new survey project, specify site information, configure measurement settings, and prepare the floorplan.
+ New Project
Use a SABR
Connect a SABR to take multiple RSSI measurements with a single tap, test multiple frequencies at a time, capture RF data for later playback, view the live spectrum, and more!
Connect
Manually Record
Use other radio hardware to take RSSI measurements and record them manually. Please note that this mode does not support viewing the spectrum, capturing RF data, or playback features!
Manual Mode
Tap to setup a new project
Tap to connect to hardware
Tap to enter manual mode

Setup - General Measurement Options



Set measurement frequencies

Set RSSI pass/fail threshold

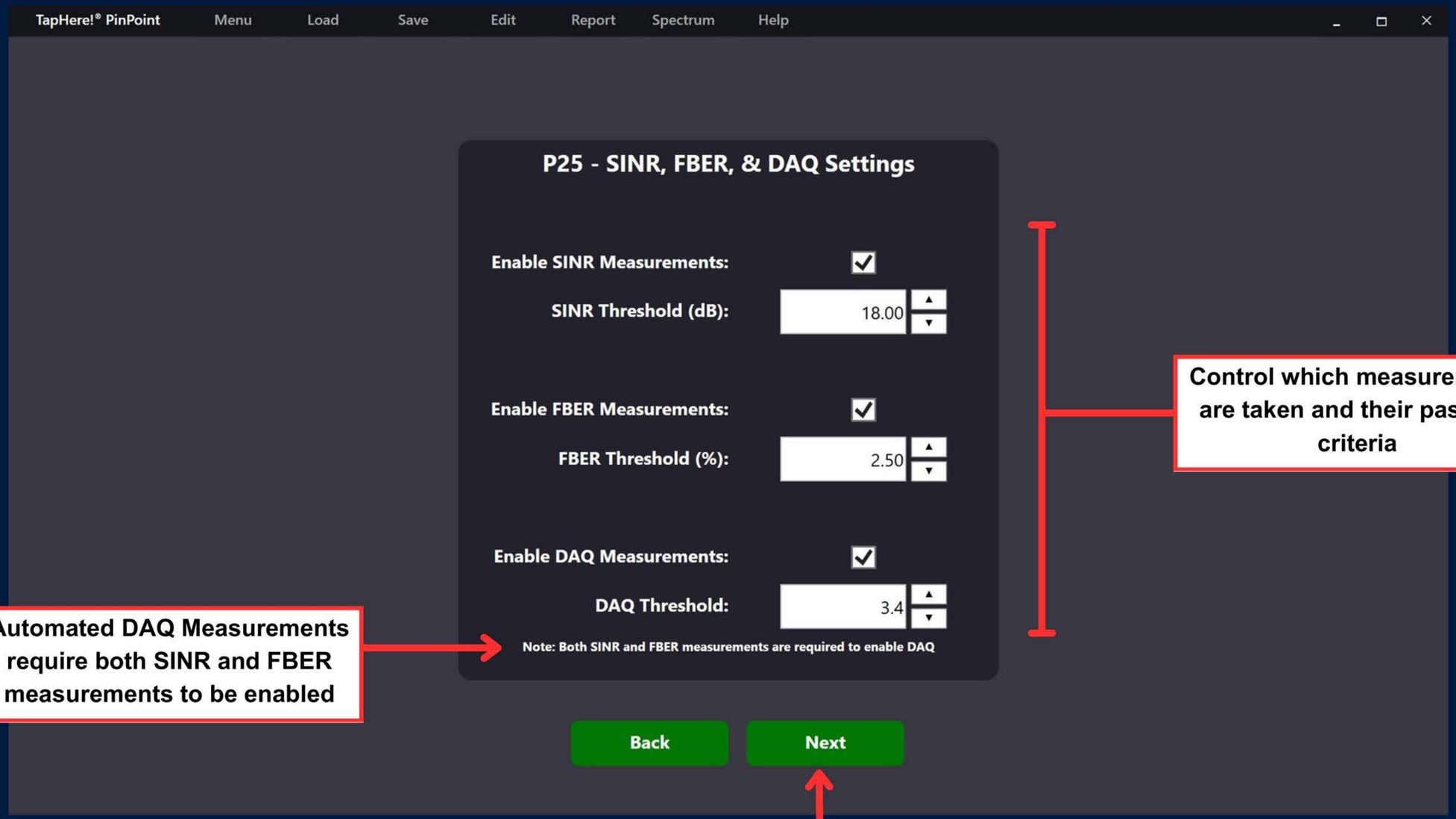
Set reception mode (P25 recommended)

Control how samples and recordings are taken

Continue onto next setup page

Setup - P25 Measurement Options

*This page only is accessible when selecting P25 reception mode

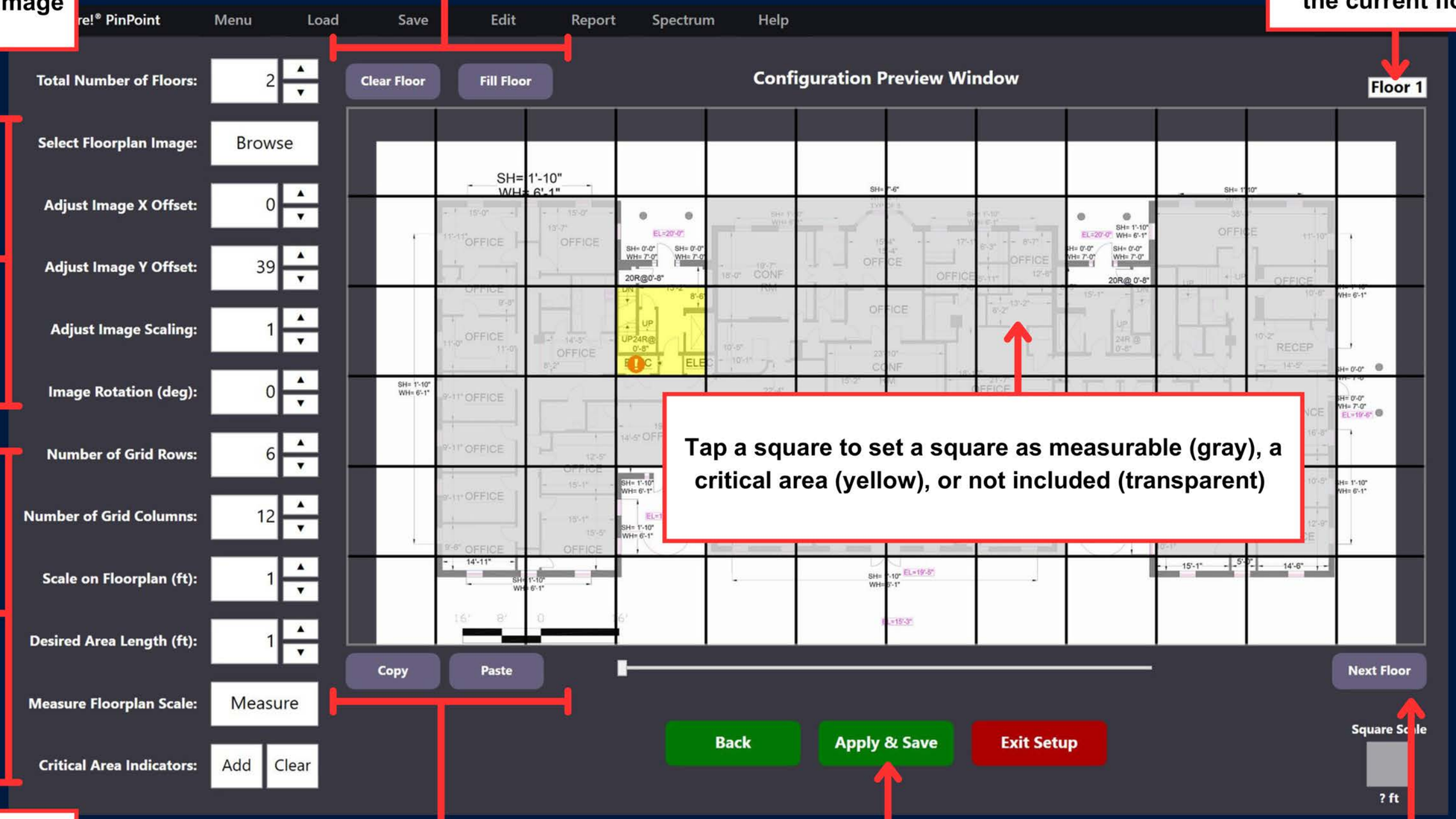


Control which measurements are taken and their pass/fail criteria

Automated DAQ Measurements require both SINR and FBER measurements to be enabled

Continue onto floorplan/gridding setup page

Setup - Floorplan & Gridding



Quickly clear all selected grid squares or select all grid squares for measurement

Change naming of the current floor

Adjust floorplan/image

Tap a square to set a square as measurable (gray), a critical area (yellow), or not included (transparent)

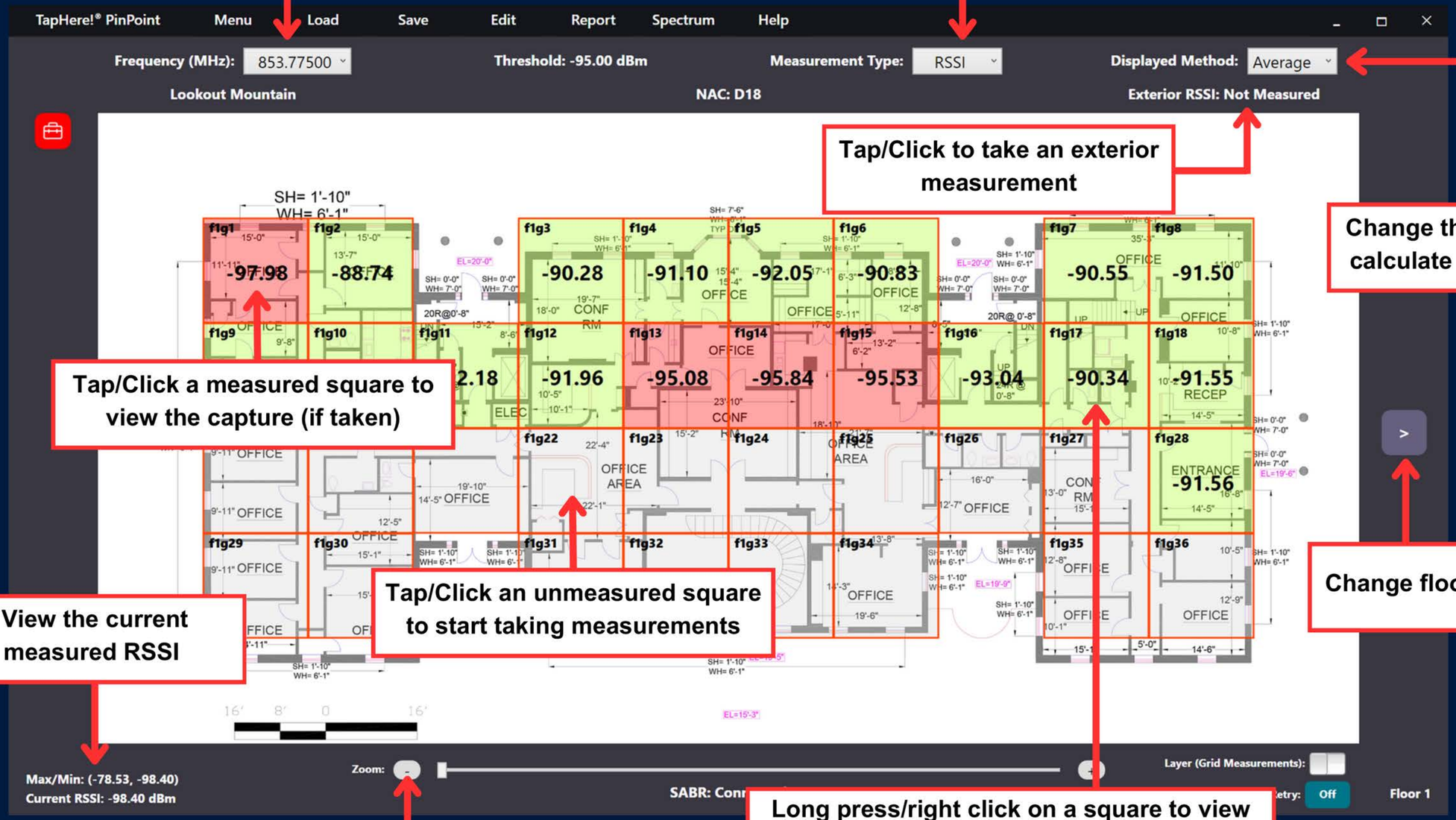
Adjust and modify grids

Copy settings from one floor and paste it on another (requires changing floors after copying and pasting on desired floor)

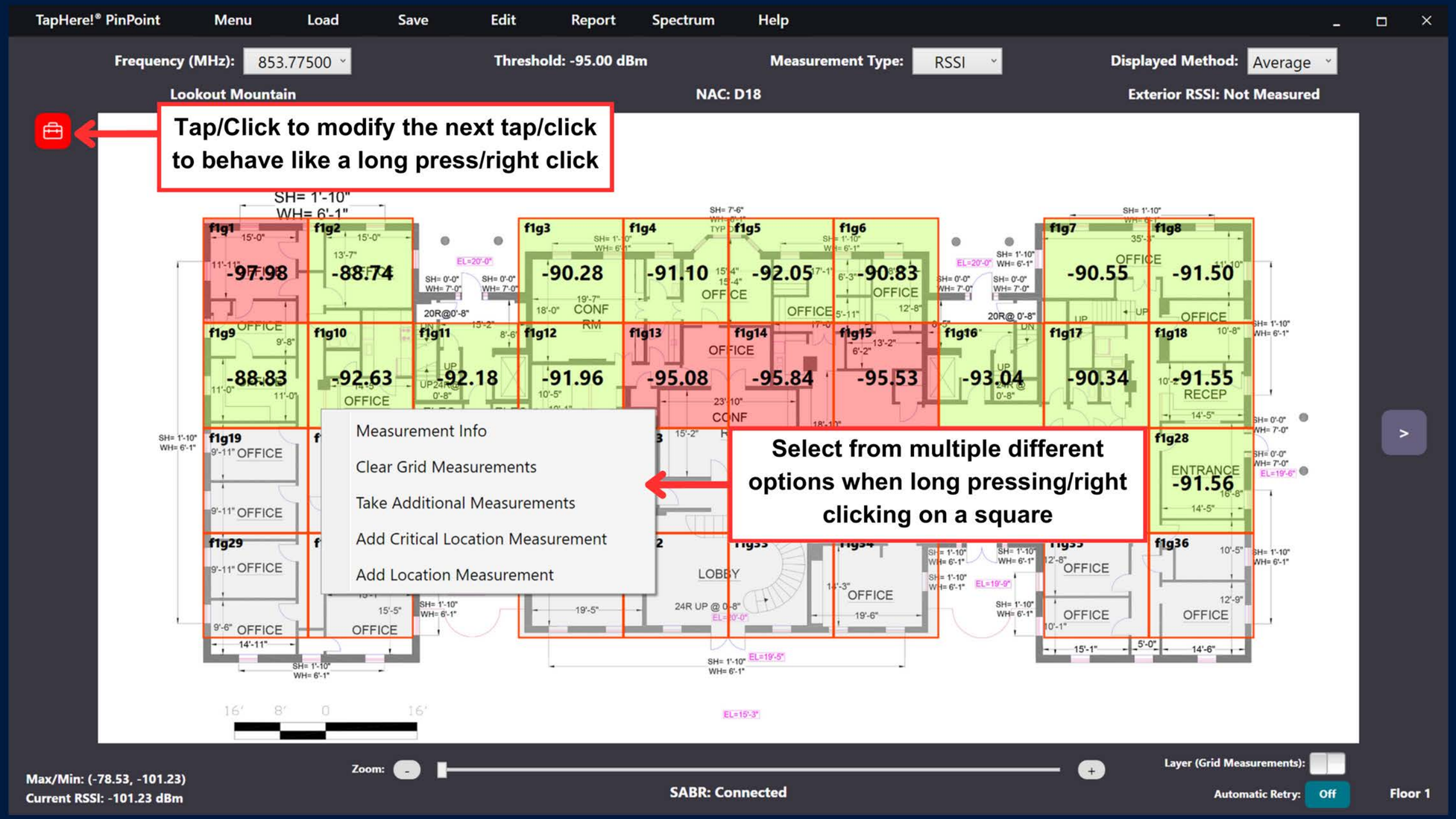
Finalize setup (a blank save file will be made in the Autosaves folder)

Change floors

Measure

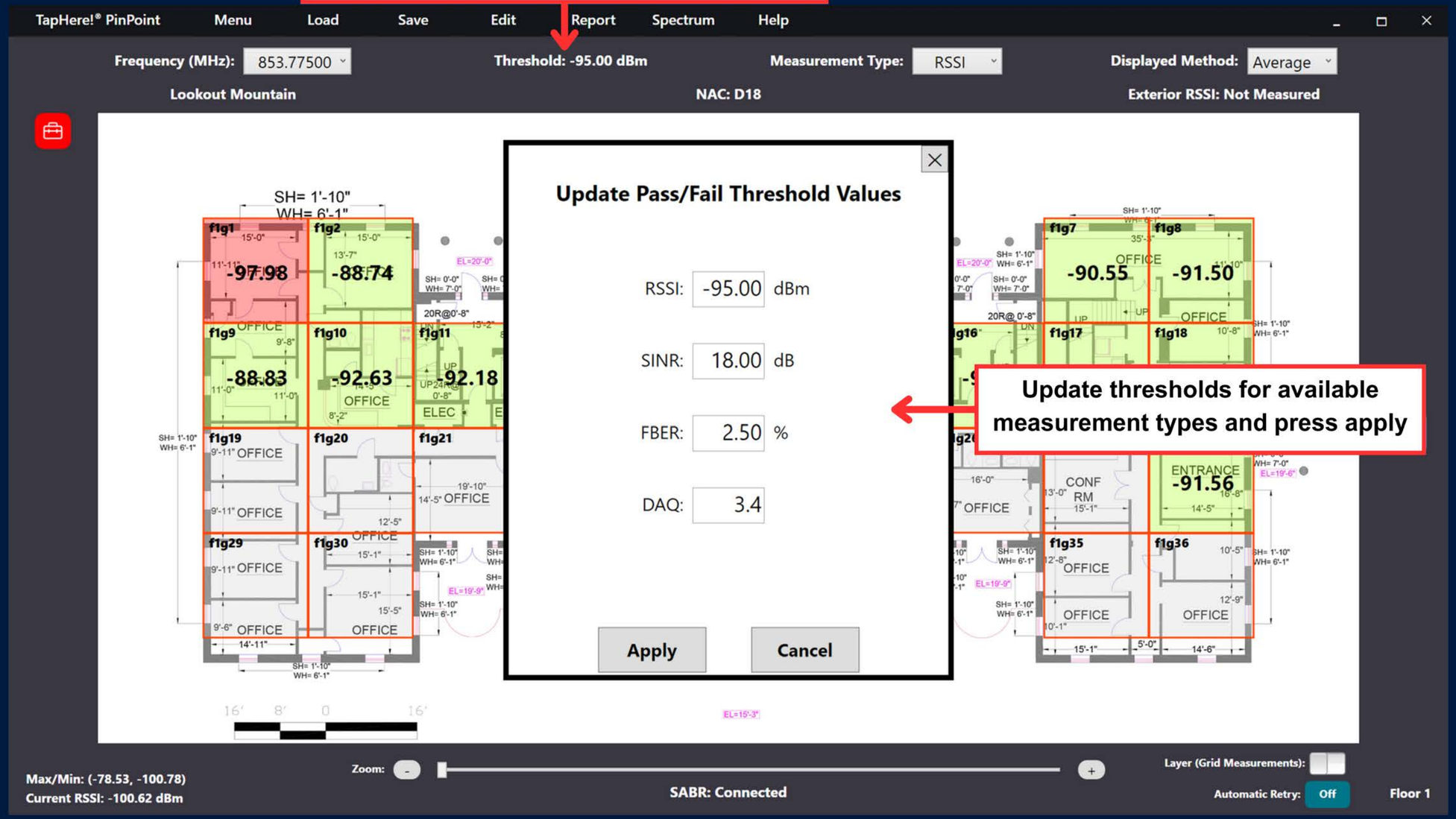

Change the currently displayed frequency
Change the currently displayed measurement type
TapHere!® PinPoint
Menu
Load
Save
Edit
Report
Spectrum
Help
Frequency (MHz):
853.77500
Threshold: -95.00 dBm
Measurement Type:
RSSI
Displayed Method:
Average
Lookout Mountain
NAC: D18
Exterior RSSI: Not Measured
Tap/Click to take an exterior measurement
Change the method used to calculate the measurement
Tap/Click a measured square to view the capture (if taken)
Change floors
View the current measured RSSI
Tap/Click an unmeasured square to start taking measurements
Max/Min: (-78.53, -98.40)
Current RSSI: -98.40 dBm
Zoom:
Layer (Grid Measurements):
Off
Floor 1
Slide to adjust zoom level
Long press/right click on a square to view additional options (clearing measurements, taking additional measurements, setting areas as inaccessible, etc.)

Measure - Additional Options



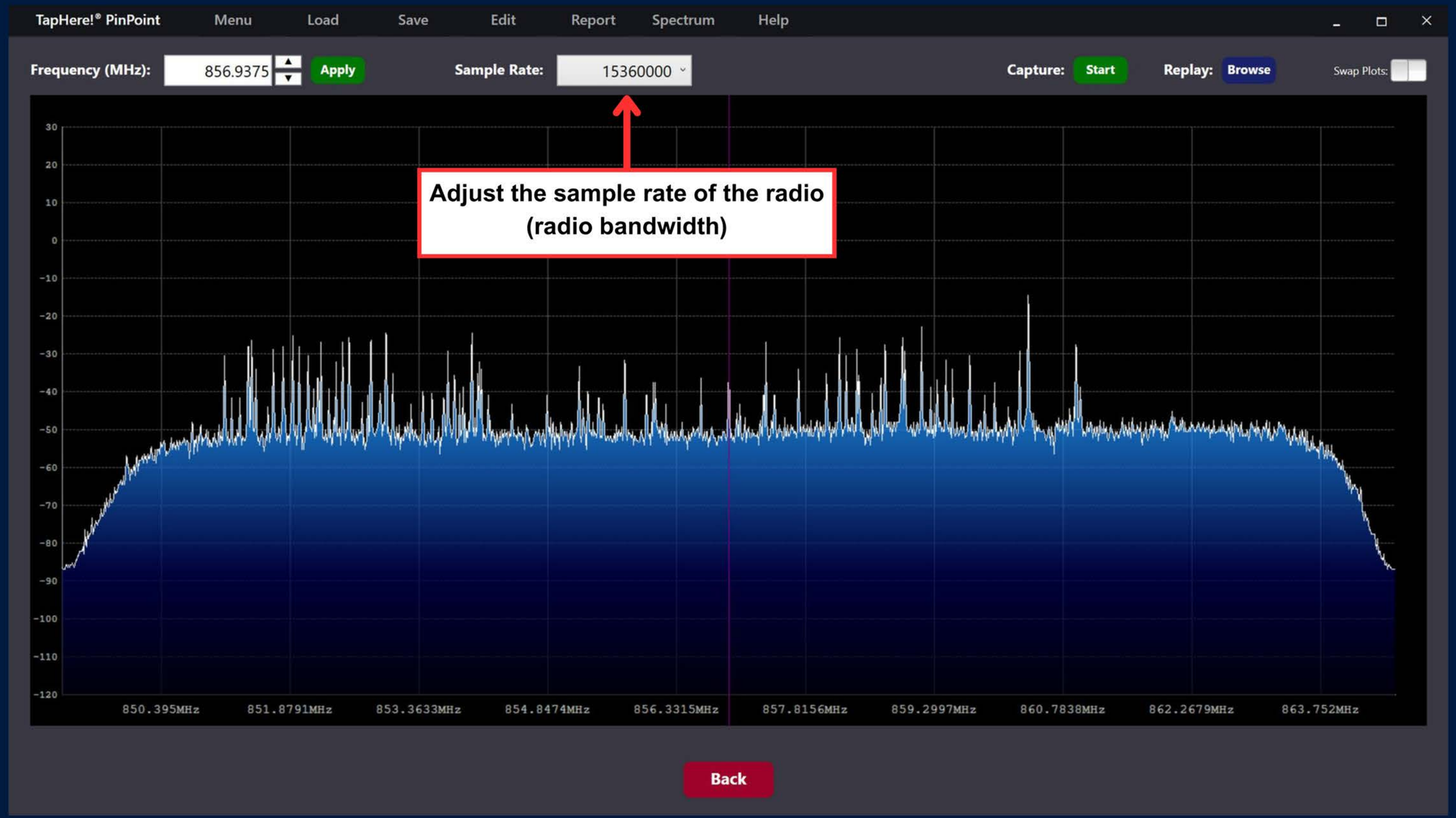
Measure - Threshold Updating

Tap/Click the threshold text to bring up a menu to update pass/fail threshold settings for selected measurement types

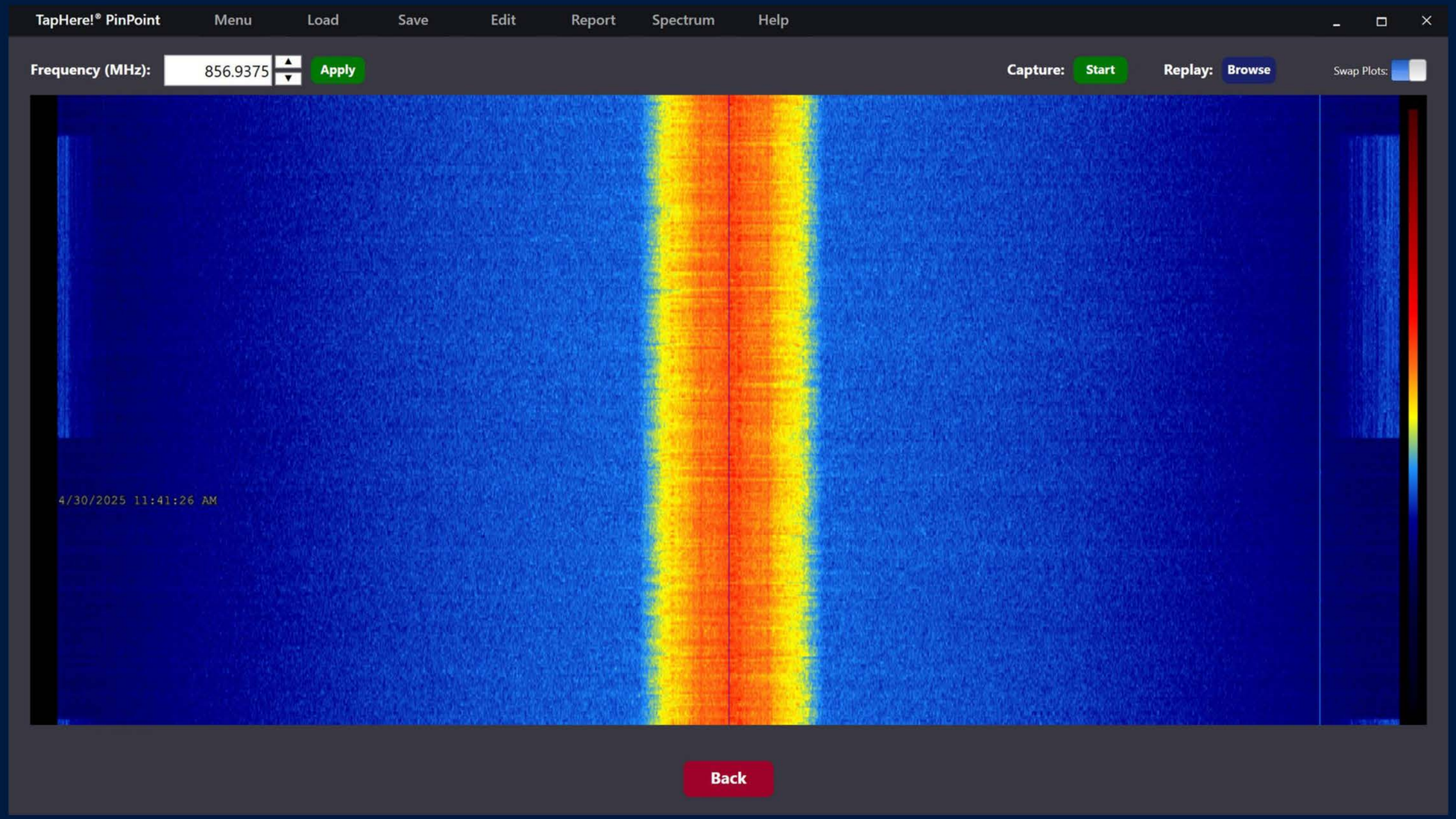


Spectrum - P25 Reception Mode

Spectrum - Custom Reception Mode



Spectrum - Waterfall Display

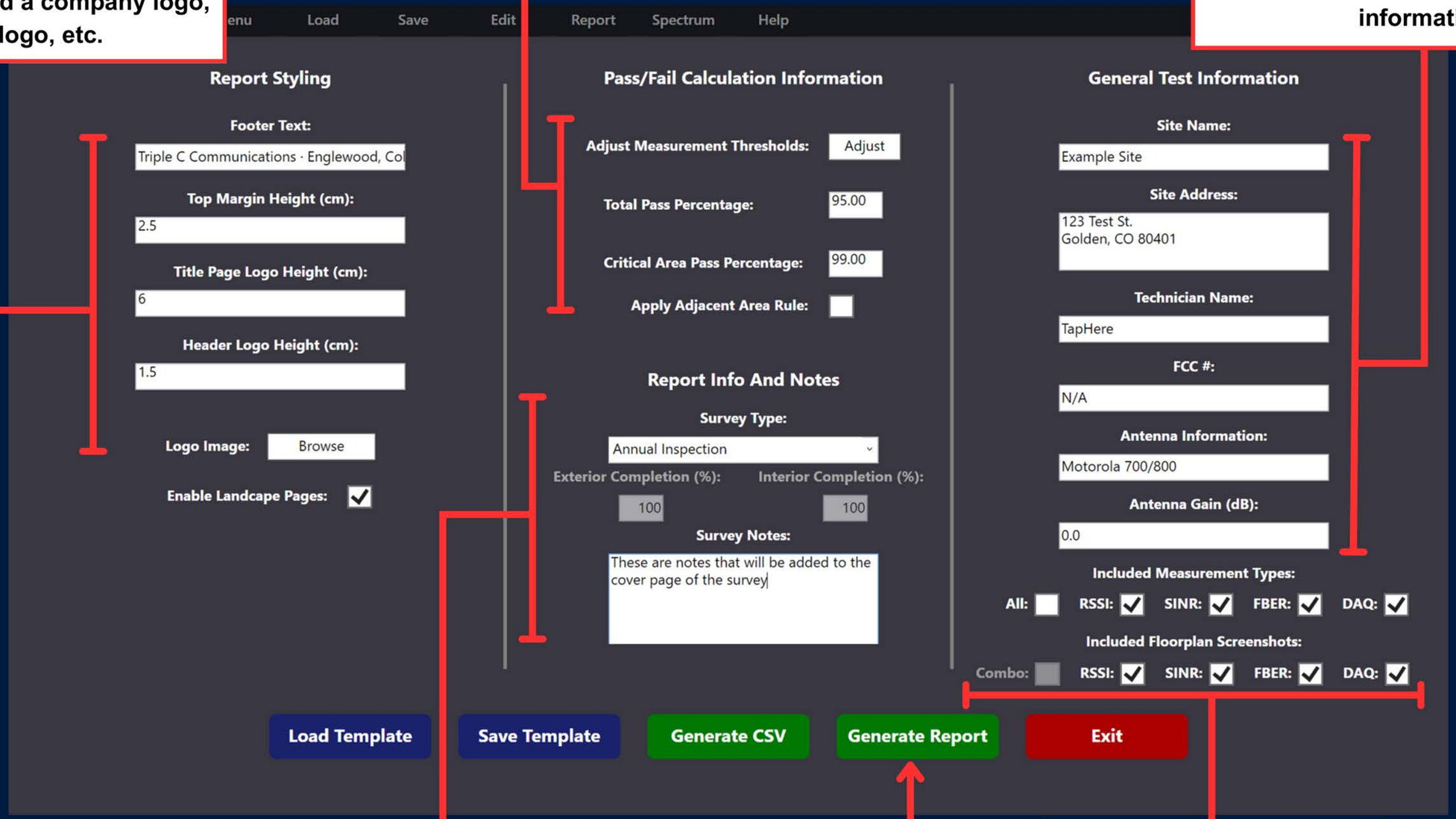


Report

Add custom branding to the report. Set footers, upload a company logo, size the logo, etc.

Set overall pass/fail criteria

Provide location and test specific information



Change the survey type or supply additional notes that will appear on the report cover page

Tap/Click to generate a PDF report

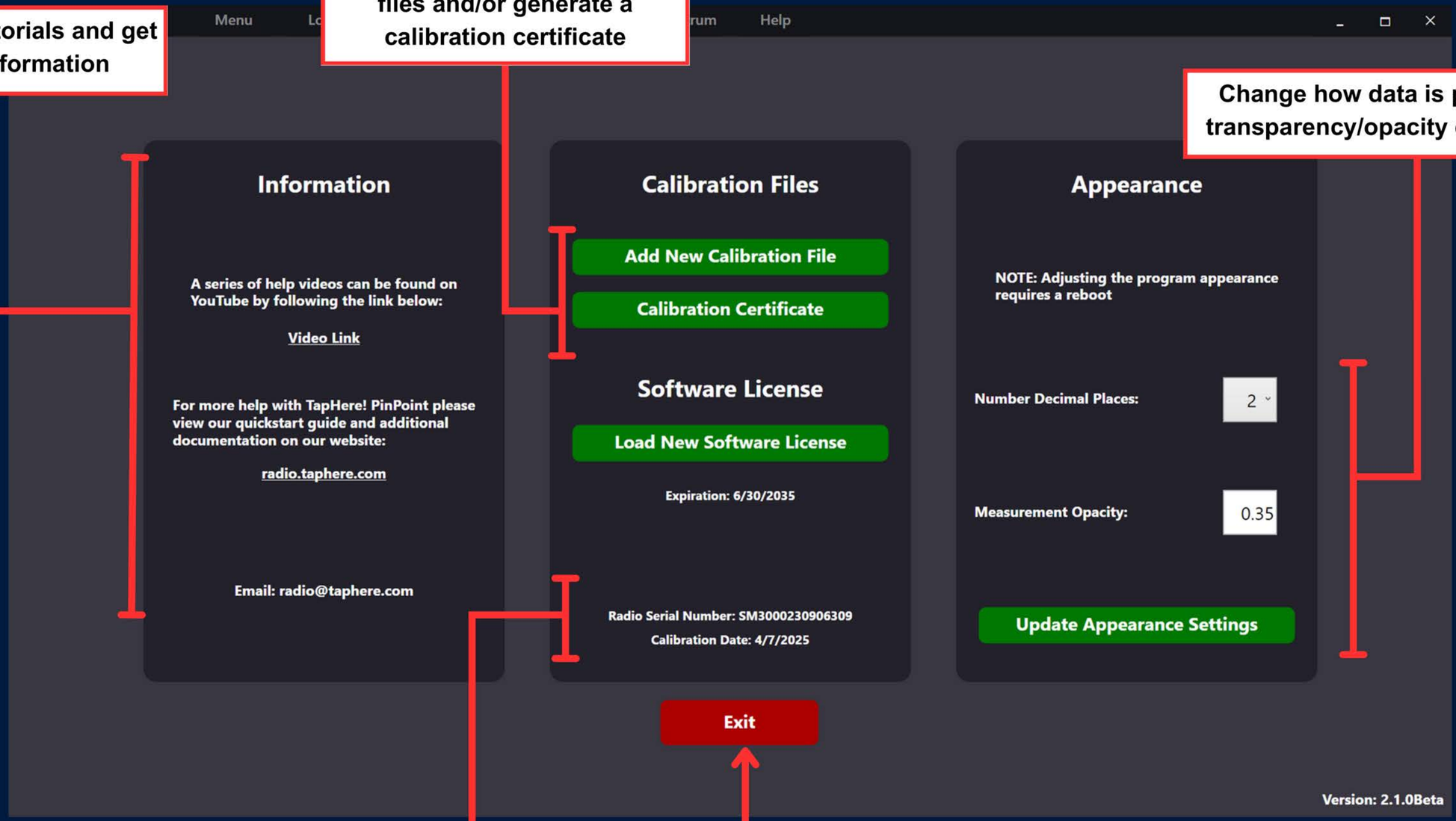
Select measurement types and screenshots to include in the report

Help Menu

Access video tutorials and get additional information

Load or replace calibration files and/or generate a calibration certificate

Change how data is presented and transparency/opacity of grid squares



View information about the currently connected radio

Exit the help menu