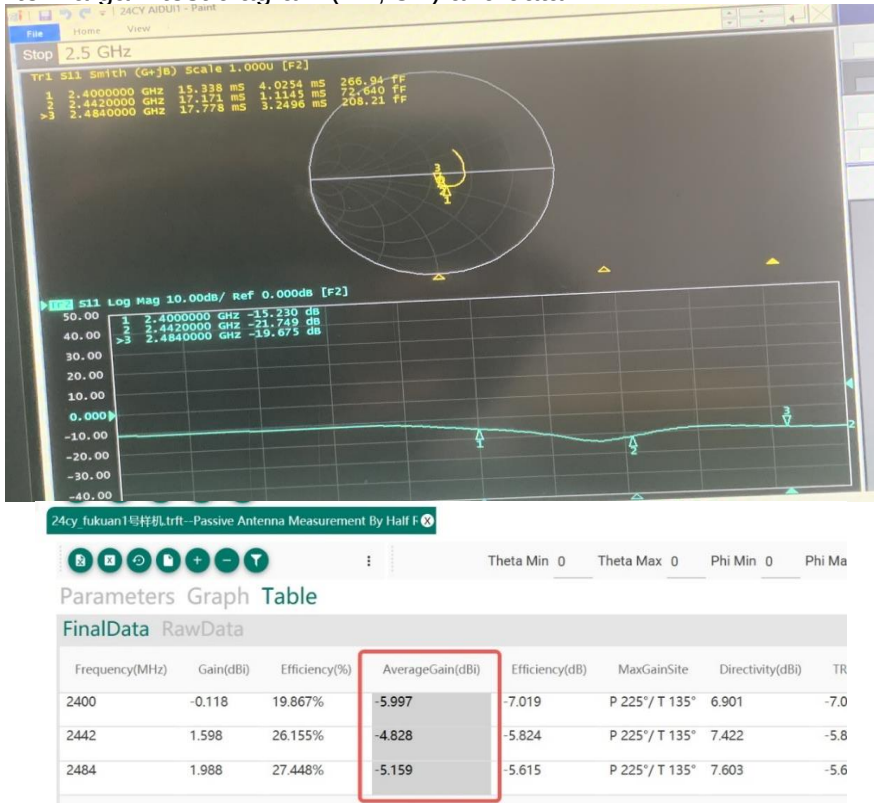


Antenna report

Antenna report

Antenna report	Antenna report											
	1. Antenna type and size: PCB antenna, BT ANT 7.3*18MM											
	Testing methods and standards <table border="1"><thead><tr><th>Name</th><th>Parameter</th><th>Method</th><th>Standard no.</th></tr></thead><tbody><tr><td>Antenna performance</td><td>Radiation efficiency</td><td>IEEE Standard Test Procedures for Antennas</td><td>ANSI/IEEE Std 149- 2021</td></tr></tbody></table>	Name	Parameter	Method	Standard no.	Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021			
	Name	Parameter	Method	Standard no.								
	Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021								
2. Instrument list and calibration date <table border="1"><thead><tr><th>Equipment</th><th>Manufacture</th><th>Model No</th><th>Serial No</th><th>Last cal</th><th>Due Date</th></tr></thead><tbody><tr><td>Network analyzer</td><td>Keysight</td><td>E5080B</td><td>MY5940014</td><td>2024.1.1</td><td>2025.1.1</td></tr></tbody></table>	Equipment	Manufacture	Model No	Serial No	Last cal	Due Date	Network analyzer	Keysight	E5080B	MY5940014	2024.1.1	2025.1.1
Equipment	Manufacture	Model No	Serial No	Last cal	Due Date							
Network analyzer	Keysight	E5080B	MY5940014	2024.1.1	2025.1.1							
3. Test date and name of testing personnel 2023-12-04, Wei Hailong 4. Antenna gain test diagram (2D, 3D) and data												
												

Antenna report	5. Test photo Please refer to the Annex of Antenna specificiton
	6. Test Procedure Test Step Flow

1. Maintain the test ambient temperature of 23±2 C, the instrument is powered on and preheated for more than 30 minutes
2. Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard
3. Outline sets the test content objectives and conducts calibration tests
4. Run the EMQuest OTA software, the test is complete, export the corresponding test diagram and test data, and save to the corresponding directory

Test Principle

The test principle can be seen in accordance with the standard ANSI/IEEE std 149-2021

Test Conditions

1. The analyte, the network analyzer for testing, the test equipment and the test cable connector should have good reliability, stability, dynamic range and measurement accuracy to ensure the correctness of the measurement accuracy
2. The measuring instrument should have a certificate of conformity and be within the effective calibration period
3. The analyte should be complete and undamaged, and the test environment should be kept clean

7. commercial test software: Quick OTA

commercial test software version: 2.0.2.523

8. Test configuration diagram

