

Antenna Report

Frequency range and operation

Antenna 1:

- Wi-Fi2G/BT: 2.4 to 2.482 GHz
- Wi-Fi5G: 5.15 to 5.85 GHz

Antenna 2:

- Wi-Fi2G/BT: 2.4 to 2.482 GHz
- Wi-Fi5G: 5.15 to 5.85 GHz

Antenna type

Antenna1: Slot antenna, Antenna 2: Cavity antenna

Antenna Gain

Band	WF/BT/BLE ANT1 2.4/5GHz	WF/BT/BLE ANT2 2.4/5GHz
BT/BLE Band 2400-2480MHz	2.2	0.7
2.4GHz Band 2400-2480MHz	2.2	0.7
5GHz Band I (5150-5250MHz)	1.5	1.2
5GHz Band II-A (5250-5350MHz)	1.5	2.3
5GHz Band II - C (5470-5725MHz)	2.3	2.6
5GHz Band III (5725-5850MHz)	1.5	1.4

Measurement Test method

Conical Cut

Test Equipment used

Test lab: HT-SH

Test equipment: Agilent E5071C

Test engineer: Ni, Jiaxing 倪佳幸

Reviewer: Lv, Hongle 吕鸿乐

Test date: 25/7/27

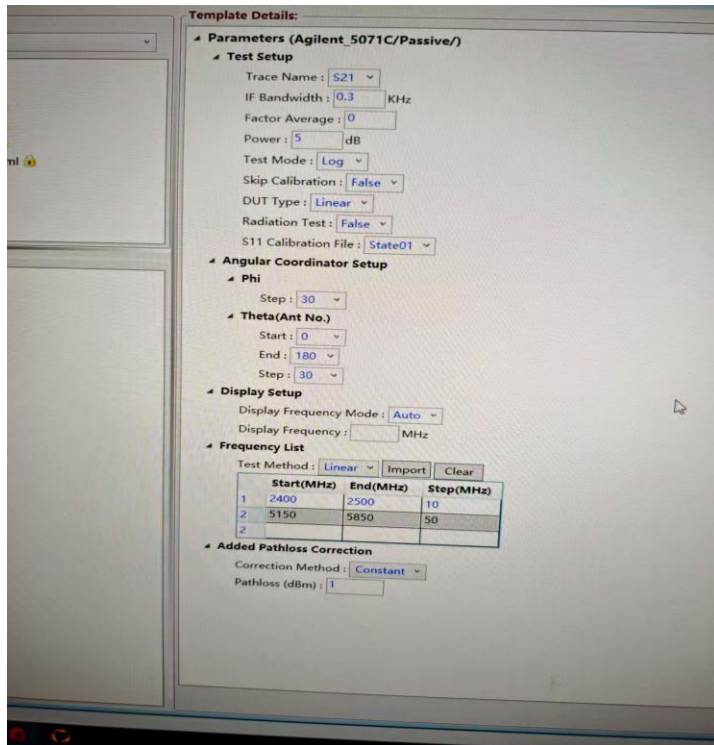
Chamber info: ETS_CMW500

Gain measurement Lab info: ETS_CMW500

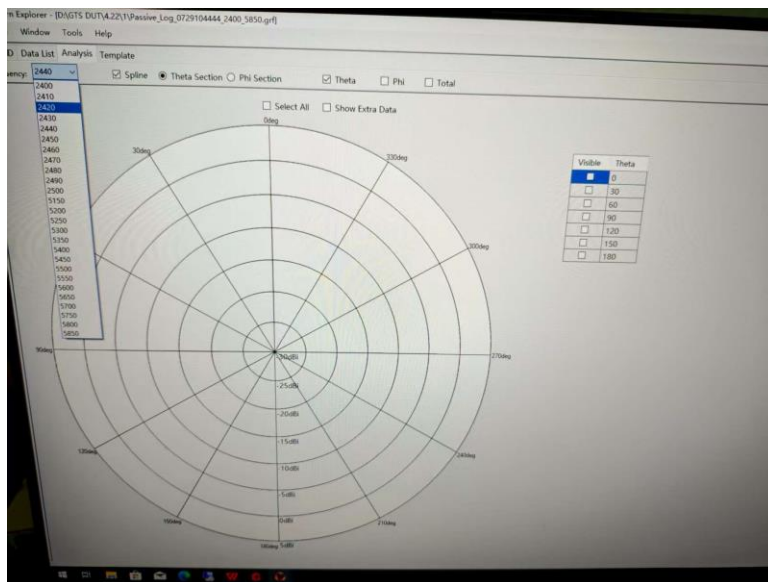
Calibration info: Agilent E5071C_2025/06/05

Test set up and block diagram of test setup

Set frequency point



Set test angle

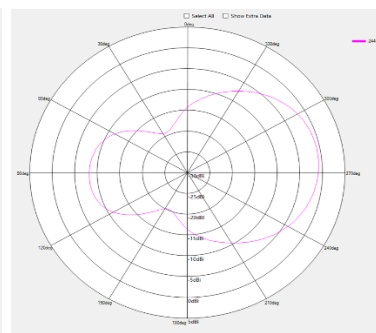
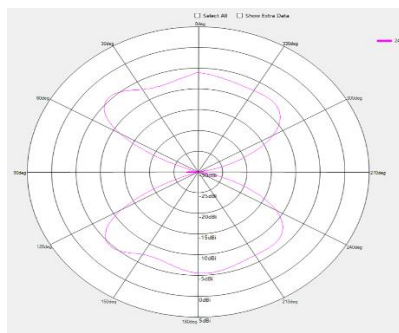
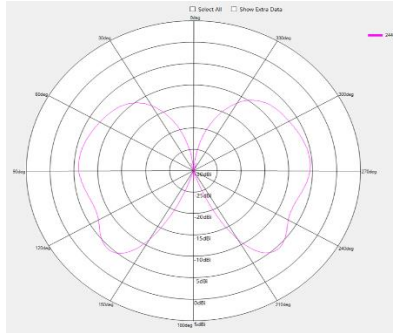


Antenna Radiation Pattern

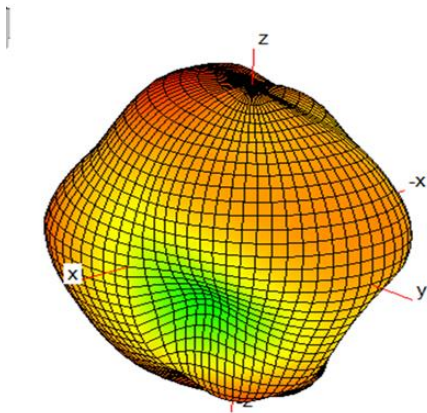
Antenna 1: Wi-Fi /BT/BLE

2440MHz

2D

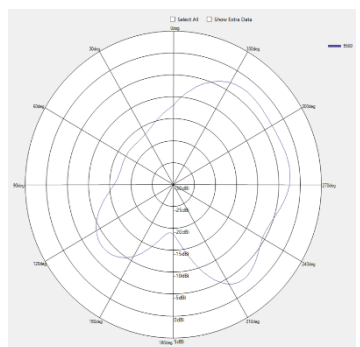
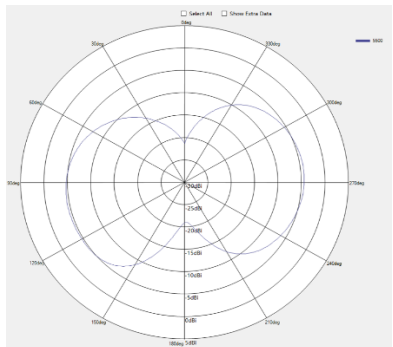


3D

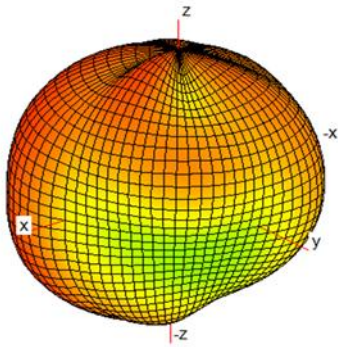


5500MHz

2D



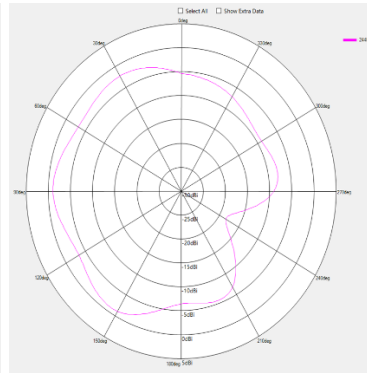
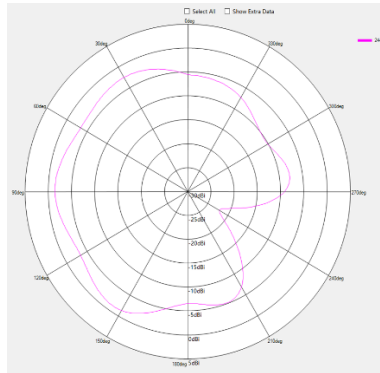
3D



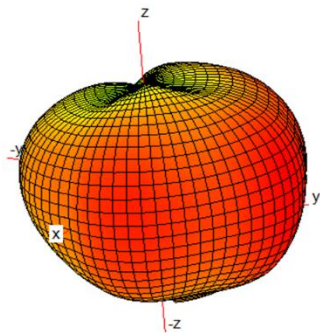
Antenna 2: Wi-Fi /BT/BLE

2440MHz

2D

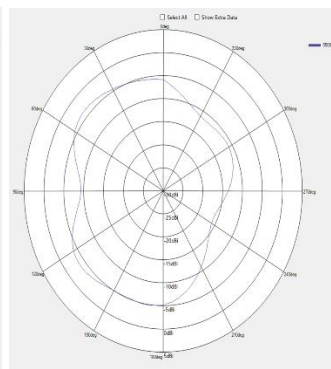
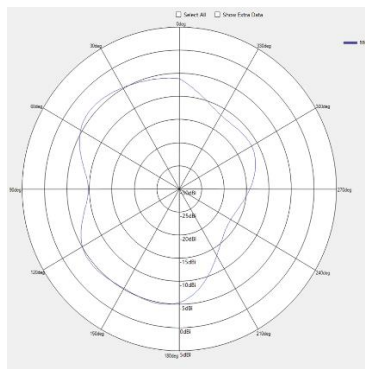
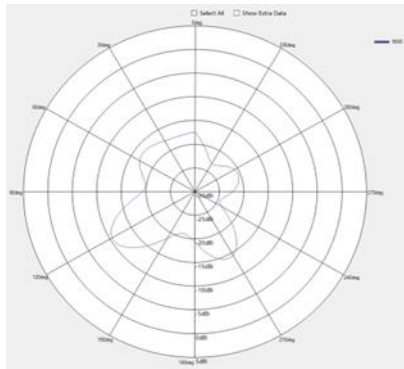


3D



5500MHz

2D



3D

