

2A4DH-2945 Antenna Report

Frequency range and operation

Antenna1:

- Wi-Fi2G/BT/BLE: 2.4 to 2.482 GHz

Antenna 2:

- WiFi5G: 5.15 to 5.85 GHz
- WiFi6G:5.925 to 7.125 GHz

Antenna 3:

- Wi-Fi2G: 2.4 to 2.482 GHz
- WiFi5G: 5.15 to 5.85 GHz
- WiFi6G:5.925 to 7.125 GHz

Antenna type

Ant1: Cavity antenna, Ant2: Cavity antenna, Ant3: Cavity antenna

Antenna Gain

Band	ANT2 5, 6 GHz	BT/BLE ANT1 2.4 GHz	WF ANT3 2.4/5/6GHz
BT/BLE Band 2400-2480MHz	/	1.1	/
2.4GHz Band 2400-2480MHz	/	1.1	0.5
5GHz Band I (5150-5250MHz)	0.8	/	0.4
5GHz Band II-A (5250-5350MHz)	1.7	/	0.3
5GHz Band II - C (5470-5725MHz)	2.3	/	0.7
5GHz Band III (5725-5850MHz)	2.4	/	1
6GHz Band V (5945-6425MHz)	2.6	/	1.2

6GHz Band VI (6245-6525MHz)	2.6	/	2.2
6GHz Band VII (6525-6875MHz)	2	/	2.3
6GHz Band VIII (6875-7125MHz)	2.2	/	2.1

Measurement Test method

Conical Cut

Test Equipment used

Test lab: Inpaq -SZ

Test equipment: Agilent E5071C

Test engineer: Shawn Yu 余晓晖

Reviewer: Apple Zhao 赵付辉

Chamber info: TEM24-C

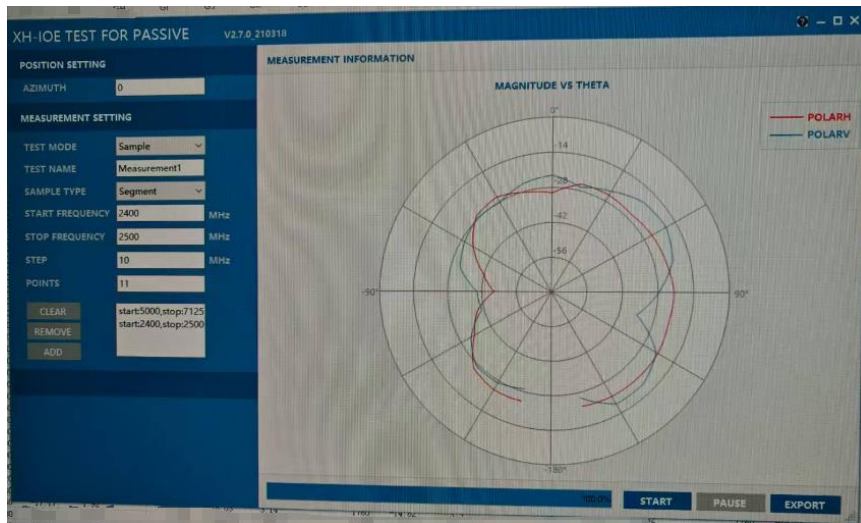
Gain measurement Lab info: TEM24-C

Calibration info: Agilent E5071C_2025/08/06

Test date: 2025/09/05

Test set up and block diagram of test setup

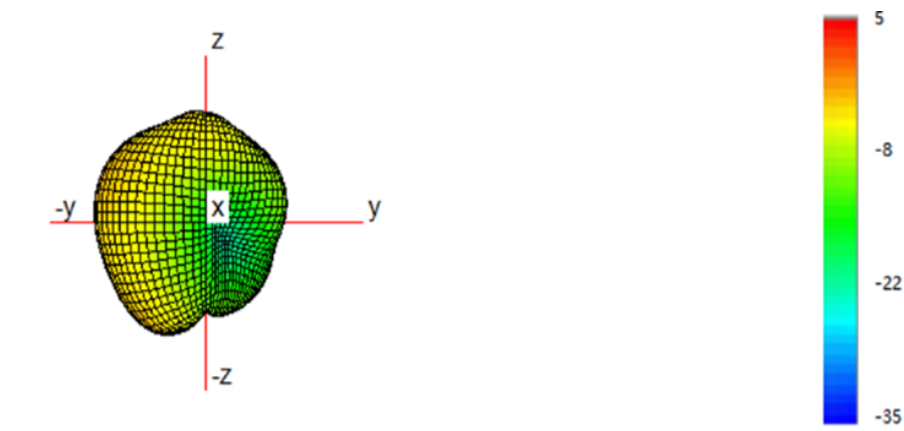
Set frequency point



Antenna Radiation Pattern

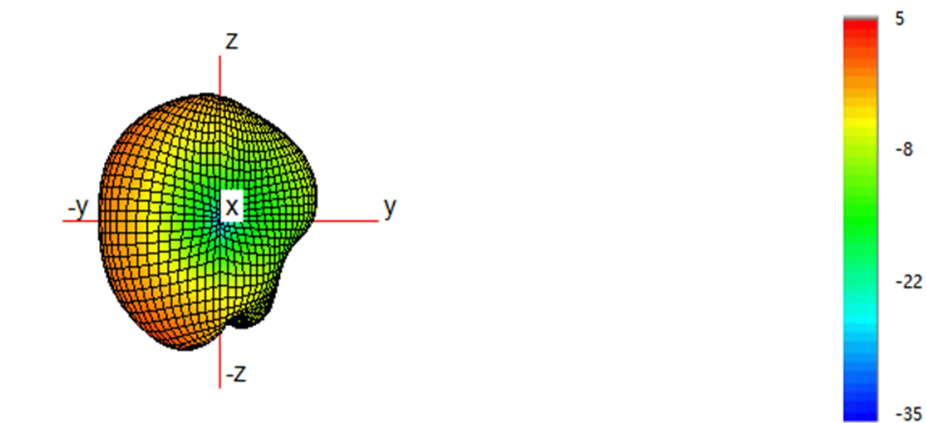
Antenna 1: Wi-Fi 2G /BT/BLE

2440MHz

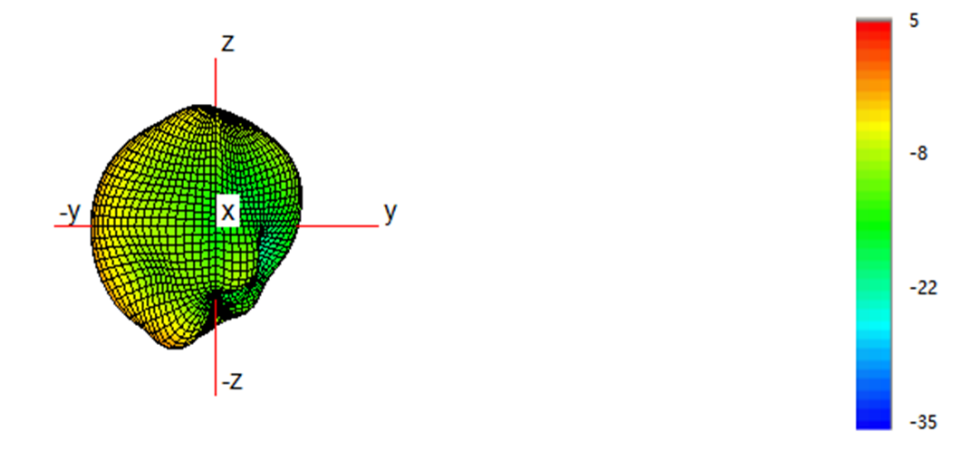


Antenna 2: Wi-Fi 5G/6G

5500MHz

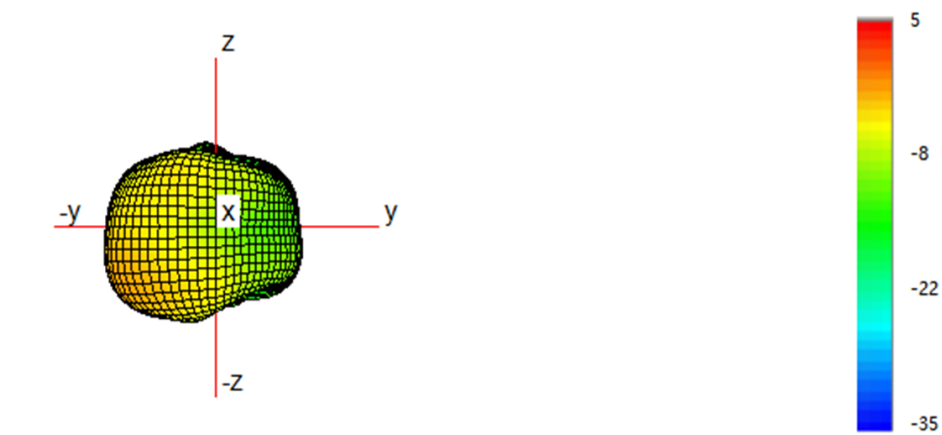


6500MHz

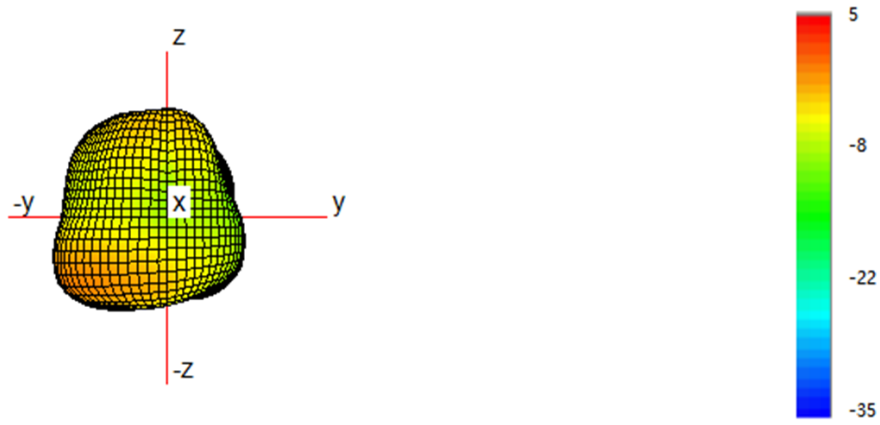


Antenna 3: Wi-Fi 2G/5G/6G

2440MHz



5500MHz



6500MHz

