

## Antenna Report

### Frequency range and operation

Antenna1:

- Wi-Fi2G/BT: 2.4 to 2.482 GHz

Antenna 2:

- WiFi5G: 5.15 to 5.85 GHz

### Antenna type

Wi-Fi2G/BT: PCB, IFA antenna, WiFi5G: PCB, monopole antenna

### Antenna Gain

| Frequency    | Peak Gain (dBi) |          |
|--------------|-----------------|----------|
|              | Ant1            | Ant2     |
|              | IFA             | Monopole |
| 2400-2500MHz | 3.3             | -        |
| 5150-5250MHz | -               | 3.6      |
| 5250-5350MHz | -               | 3.8      |
| 5470-5725MHz | -               | 3.5      |
| 5725-5850MHz | -               | 3.2      |

### Measurement Test method

Large circle cutting method

### Test Equipment used

Test lab: WTT-SH

Test equipment: Agilent E5071C

Test engineer: Pi, Jingding 皮京定

Reviewer: Fan, Weibin 范伟兵

Test date: 2026/03/05

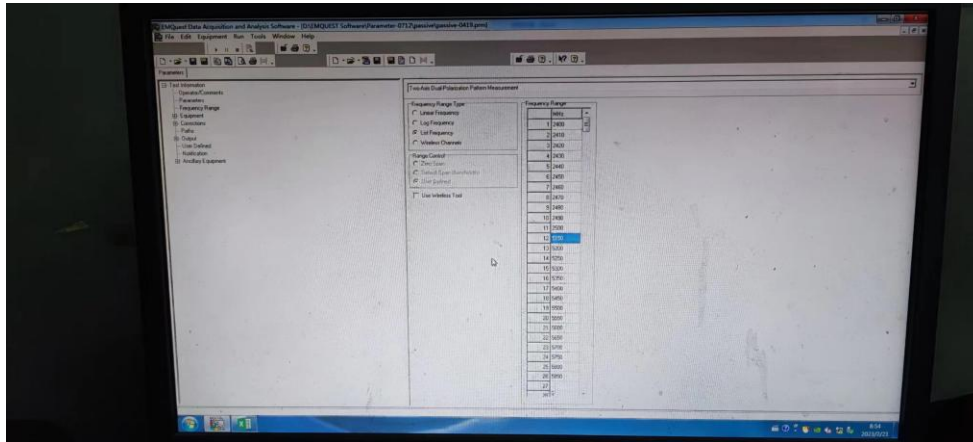
Chamber info: ETS\_AMS8500

Gain measurement Lab info: ETS\_AMS8500

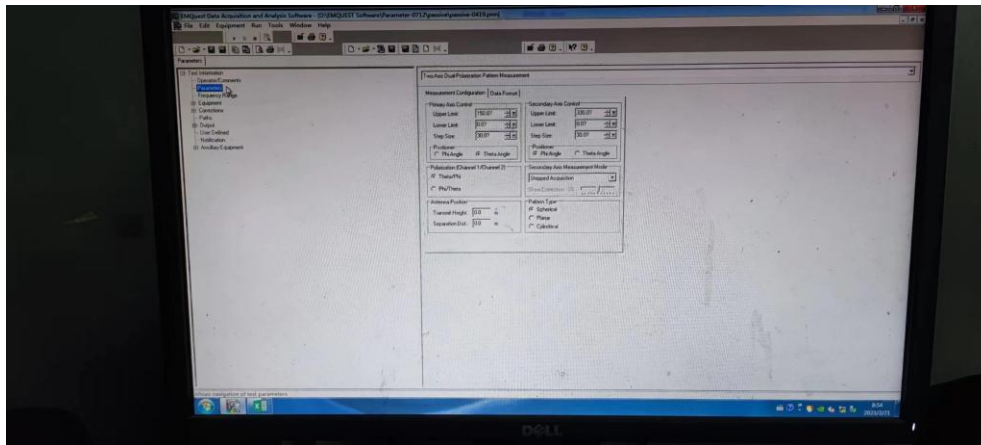
Calibration info: Agilent E5071C\_2025/12/11

## Test set up and block diagram of test setup

Set frequency point



Set test angle



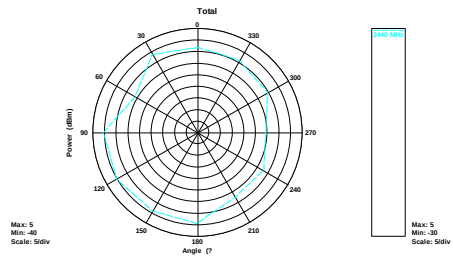
## Antenna Radiation Pattern

Antenna 1: Wi-Fi 2G /BT

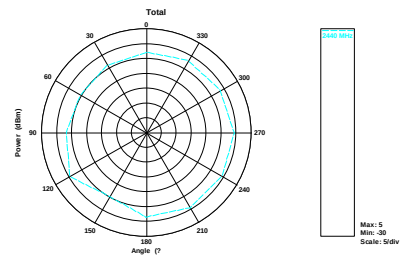
2440MHz

2D

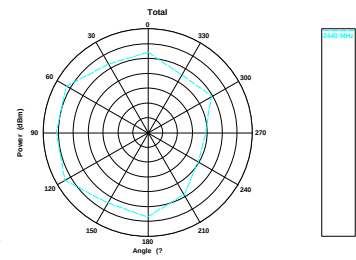
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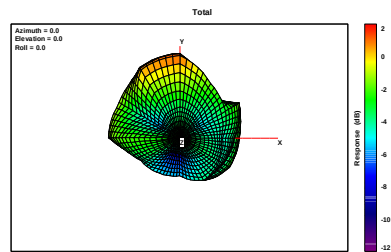
E1



E2



3D

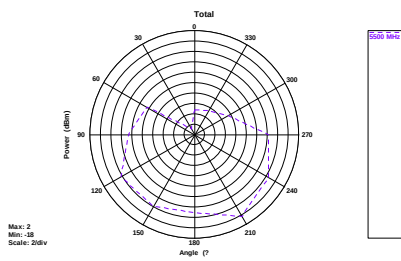


Antenna 2: Wi-Fi 5G

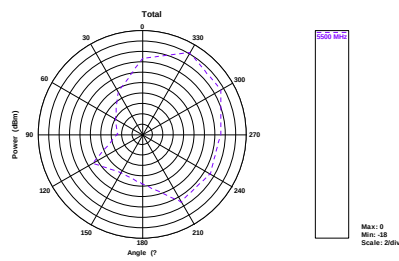
5500MHz

2D

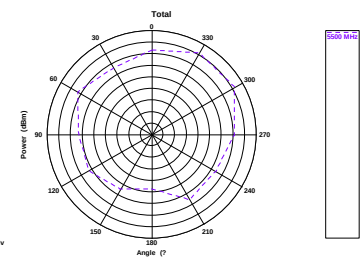
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E1



E2



3D

