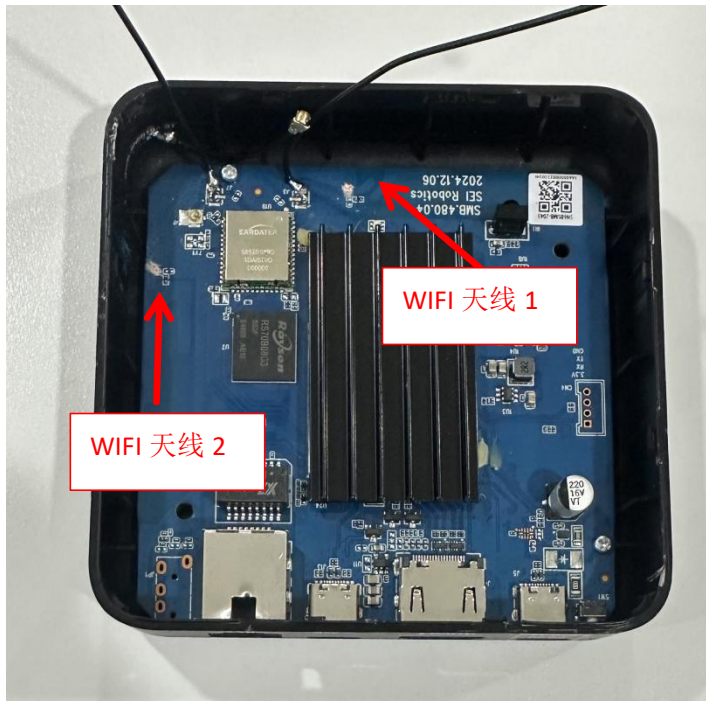


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## Antenna Specification

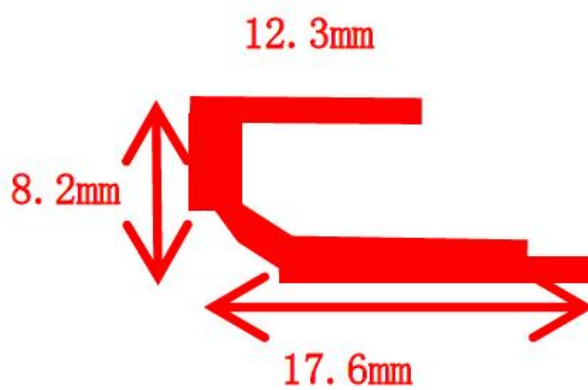
Model: PCB ANT

### 一、Antenna and test environment diagram

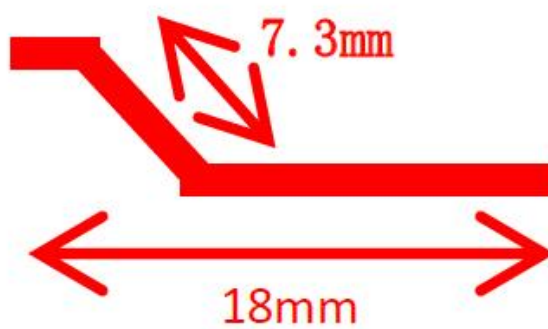




## Antenna Dimension



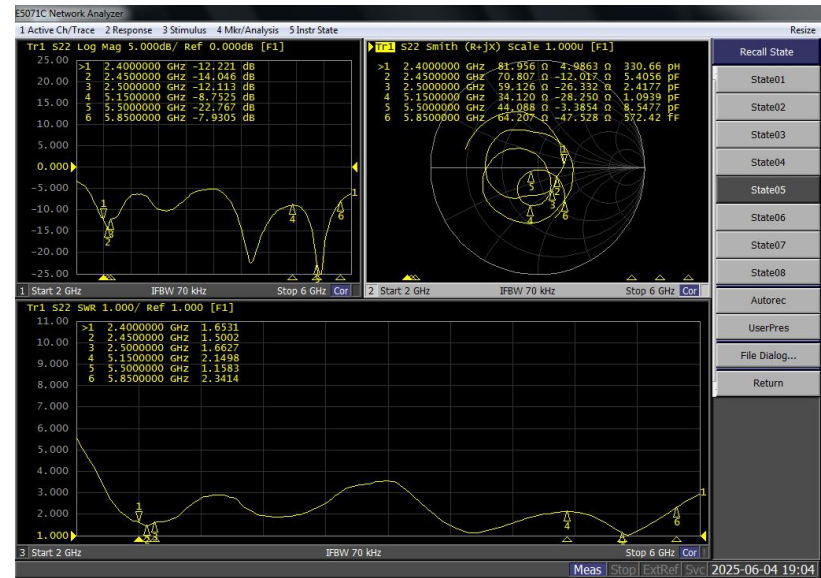
WIFI ANT 1



WIFI ANT 2

二、VSWR

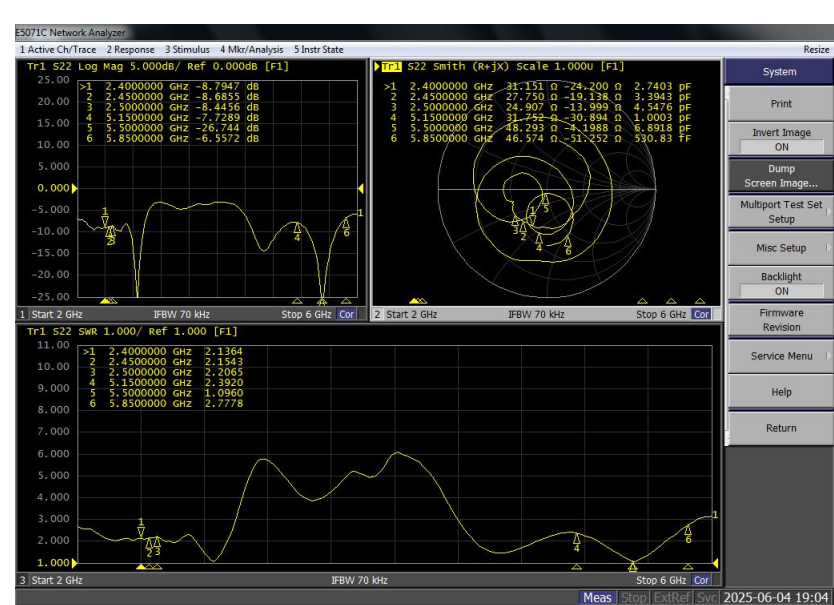
ANT 1



V.S.W.R

| Freq/GHz | 2.4 | 2.45 | 2.5 | 5.15 | 5.5 | 5.85 |
|----------|-----|------|-----|------|-----|------|
| VSWR     | 1.6 | 1.5  | 1.6 | 2.1  | 1.1 | 2.3  |

ANT 2



V.S.W.R

| Freq/GHz | 2.4 | 2.45 | 2.5 | 5.15 | 5.5 | 5.85 |
|----------|-----|------|-----|------|-----|------|
| VSWR     | 2.1 | 2.1  | 2.2 | 2.3  | 1.0 | 2.7  |

### 三、Gain&Efficiency

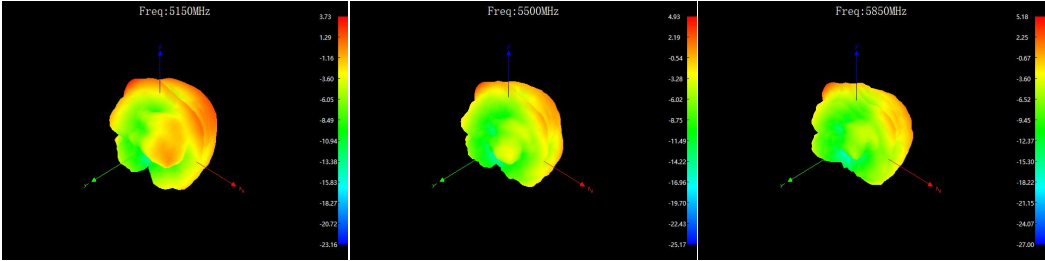
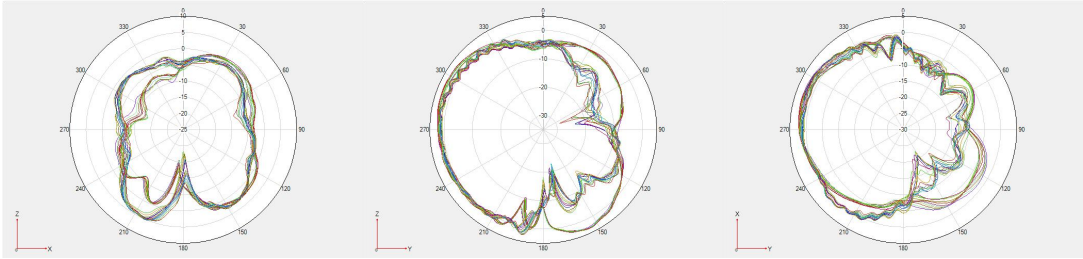
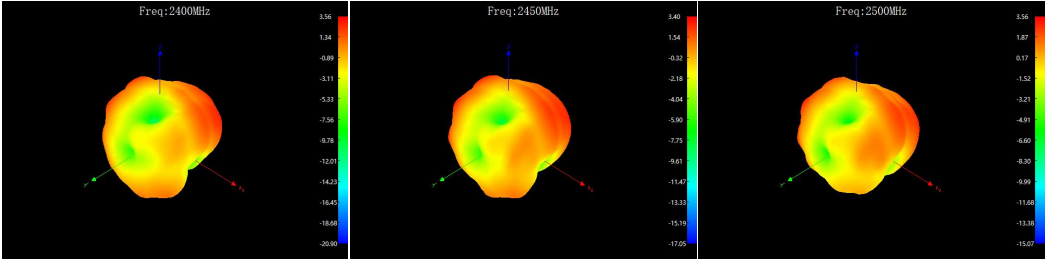
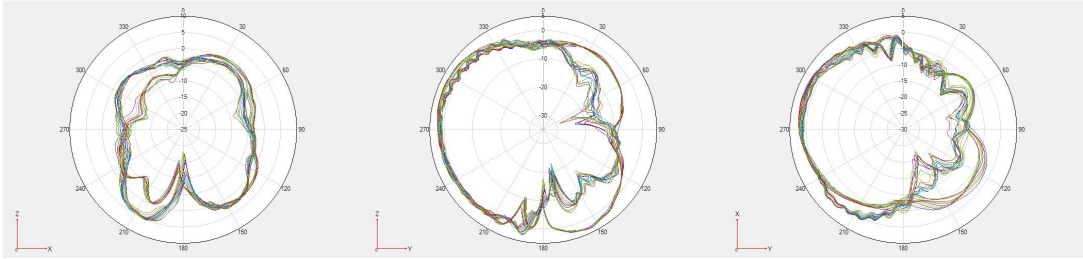
#### WiFi 1

| Frequency<br>频率(MHz) | Gain<br>增益<br>(dBi) | Efficiency<br>效率(dB) | Efficiency<br>效率(%) |
|----------------------|---------------------|----------------------|---------------------|
| 2400.00              | 3.88                | -2.00                | 63.09               |
| 2410.00              | 3.97                | -2.10                | 61.69               |
| 2420.00              | 4.54                | -1.73                | 67.15               |
| 2430.00              | 3.95                | -2.05                | 62.37               |
| 2440.00              | 4.36                | -1.85                | 65.25               |
| 2450.00              | 4.61                | -1.49                | 71.02               |
| 2460.00              | 4.28                | -1.90                | 64.50               |
| 2470.00              | 4.43                | -1.48                | 71.15               |
| 2480.00              | 4.82                | -1.31                | 73.99               |
| 2490.00              | 4.63                | -1.40                | 72.40               |
| 2500.00              | 4.22                | -1.49                | 70.91               |
| Frequency<br>频率(MHz) | Gain<br>增益<br>(dBi) | Efficiency<br>效率(dB) | Efficiency<br>效率(%) |
| 5150.00              | 2.66                | -2.74                | 53.16               |
| 5200.00              | 2.78                | -2.66                | 54.14               |
| 5250.00              | 2.89                | -2.70                | 53.75               |
| 5300.00              | 2.21                | -3.17                | 48.25               |
| 5350.00              | 2.48                | -3.04                | 49.65               |
| 5400.00              | 3.10                | -2.83                | 52.13               |
| 5450.00              | 3.47                | -2.81                | 52.35               |
| 5500.00              | 3.96                | -2.55                | 55.59               |
| 5550.00              | 3.76                | -2.40                | 57.57               |
| 5600.00              | 3.47                | -2.61                | 54.78               |
| 5650.00              | 4.54                | -2.03                | 62.73               |
| 5700.00              | 5.10                | -1.80                | 66.06               |
| 5750.00              | 5.32                | -1.86                | 65.14               |
| 5800.00              | 5.19                | -2.16                | 60.83               |
| 5850.00              | 4.92                | -2.33                | 58.50               |

WiFi2

| Frequency<br>频率(MHz) | Gain<br>增益<br>(dBi) | Efficiency<br>效率(dB) | Efficiency<br>效率(%) |
|----------------------|---------------------|----------------------|---------------------|
| 2400.00              | 1.40                | -2.82                | 52.28               |
| 2410.00              | 1.84                | -2.76                | 52.99               |
| 2420.00              | 2.11                | -2.59                | 55.07               |
| 2430.00              | 2.33                | -2.59                | 55.06               |
| 2440.00              | 2.57                | -2.56                | 55.45               |
| 2450.00              | 2.81                | -2.22                | 60.04               |
| 2460.00              | 2.73                | -2.45                | 56.95               |
| 2470.00              | 2.58                | -2.30                | 58.93               |
| 2480.00              | 3.07                | -1.98                | 63.35               |
| 2490.00              | 2.59                | -2.11                | 61.51               |
| 2500.00              | 2.81                | -1.98                | 63.33               |
| Frequency<br>频率(MHz) | Gain<br>增益<br>(dBi) | Efficiency<br>效率(dB) | Efficiency<br>效率(%) |
| 5150.00              | 4.33                | -2.41                | 57.37               |
| 5200.00              | 4.18                | -2.21                | 60.08               |
| 5250.00              | 4.49                | -2.02                | 62.74               |
| 5300.00              | 4.32                | -2.45                | 56.90               |
| 5350.00              | 4.89                | -2.15                | 60.98               |
| 5400.00              | 5.51                | -1.94                | 63.99               |
| 5450.00              | 5.68                | -1.88                | 64.83               |
| 5500.00              | 6.04                | -1.44                | 71.80               |
| 5550.00              | 5.19                | -1.67                | 68.09               |
| 5600.00              | 5.14                | -2.40                | 57.54               |
| 5650.00              | 6.49                | -1.44                | 71.85               |
| 5700.00              | 7.02                | -1.12                | 77.20               |
| 5750.00              | 7.34                | -1.36                | 73.04               |
| 5800.00              | 7.33                | -1.79                | 66.19               |
| 5850.00              | 6.89                | -2.15                | 60.89               |

四、2D3D 方向图  
天线 1



## ANT 2

