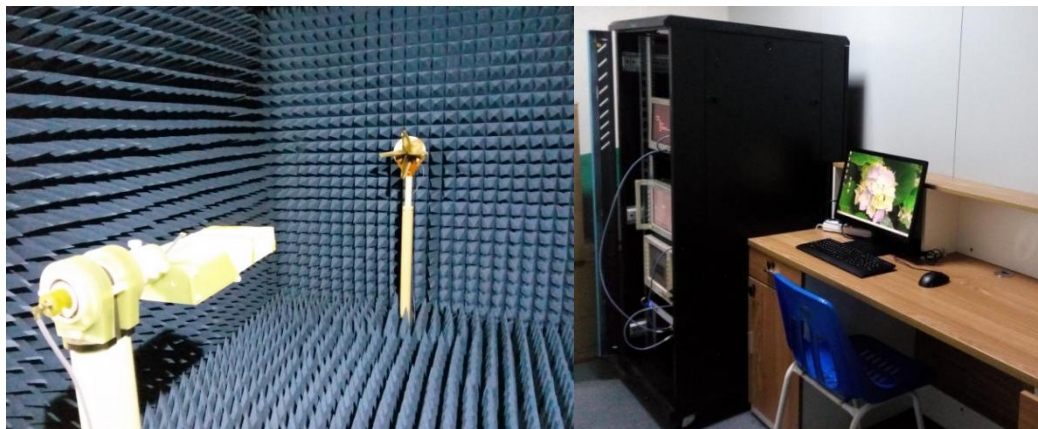
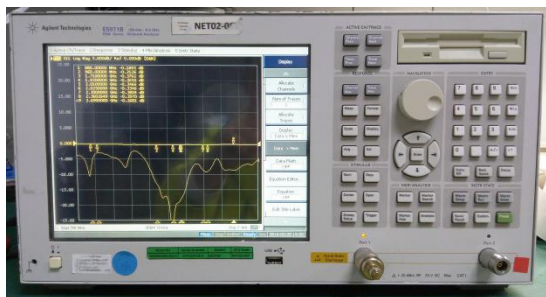


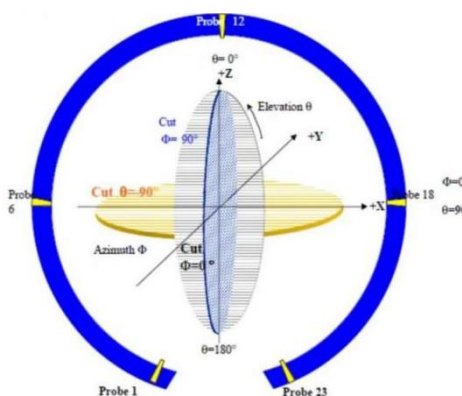


|                        |                                                            |                                                                                                                                                                                                                                                               |
|------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.3D ActiveTest</p> | <p>1. 3D TRP</p> <p>2. 3D TIS</p> <p>3.Throughput rate</p> | <p>1. 3D Chamber: TEM24 3D Chamber (5x5x5)</p> <p>ETS 3D Chamber (5x3x3)</p> <p>2.2G/3G Tester: Agilent 8960</p> <p>3.4G Tester: MT8820C/CMW500</p> <p>4.WIFI/BT/NB-iot Tester: CMW500</p> <p>5. 5G Tester: SP9500-CTS</p> <p>6.Head: HEAD-P10 (FACE-P10)</p> |
|------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

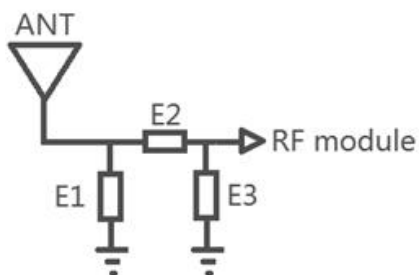




### 3. Darkroom (Chamber) connections and coordinates :



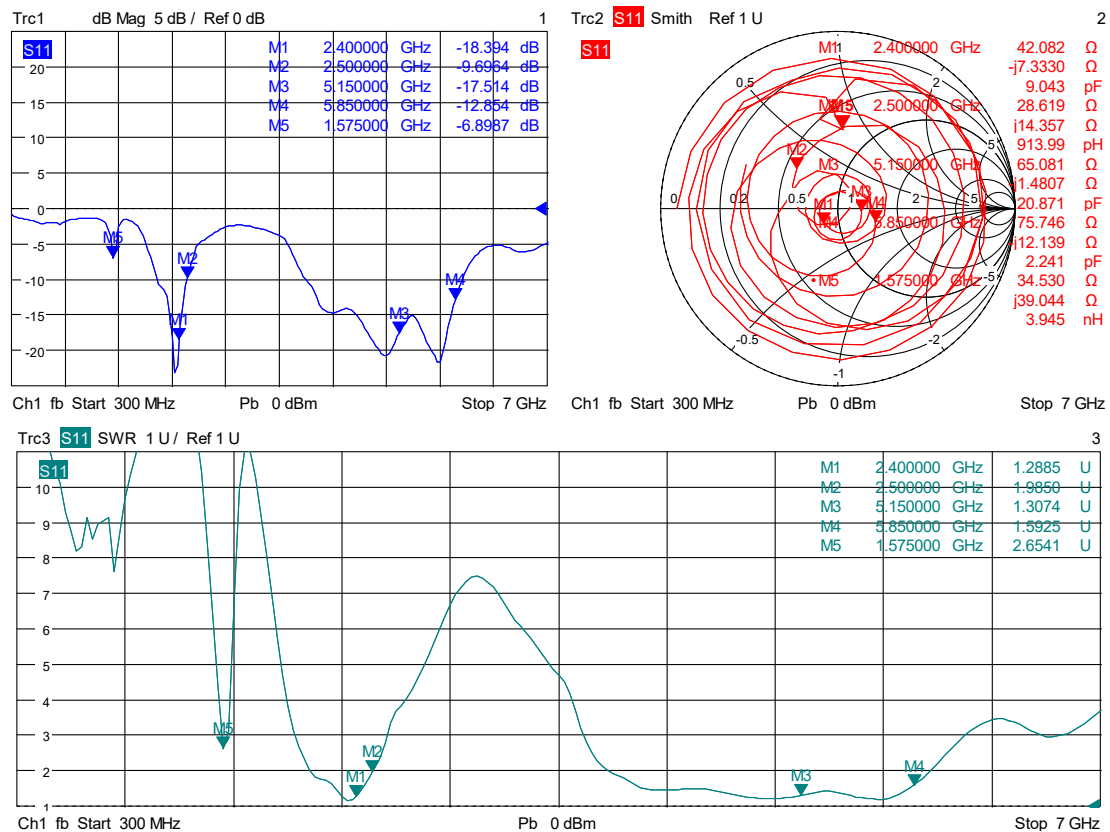
### 4. Antenna matching network:



| Element  | Value |
|----------|-------|
| E1(0201) | NC    |
| E2(0201) | 0 Ω   |
| E3(0201) | NC    |

### 5. Antenna assembly method and environmental treatment:

- 6. Antenna electrical performance test data:
  - 6.1. Antenna passive parameters
    - 6.1.1. Antenna return loss (RL)/ VSWR/SmithChart



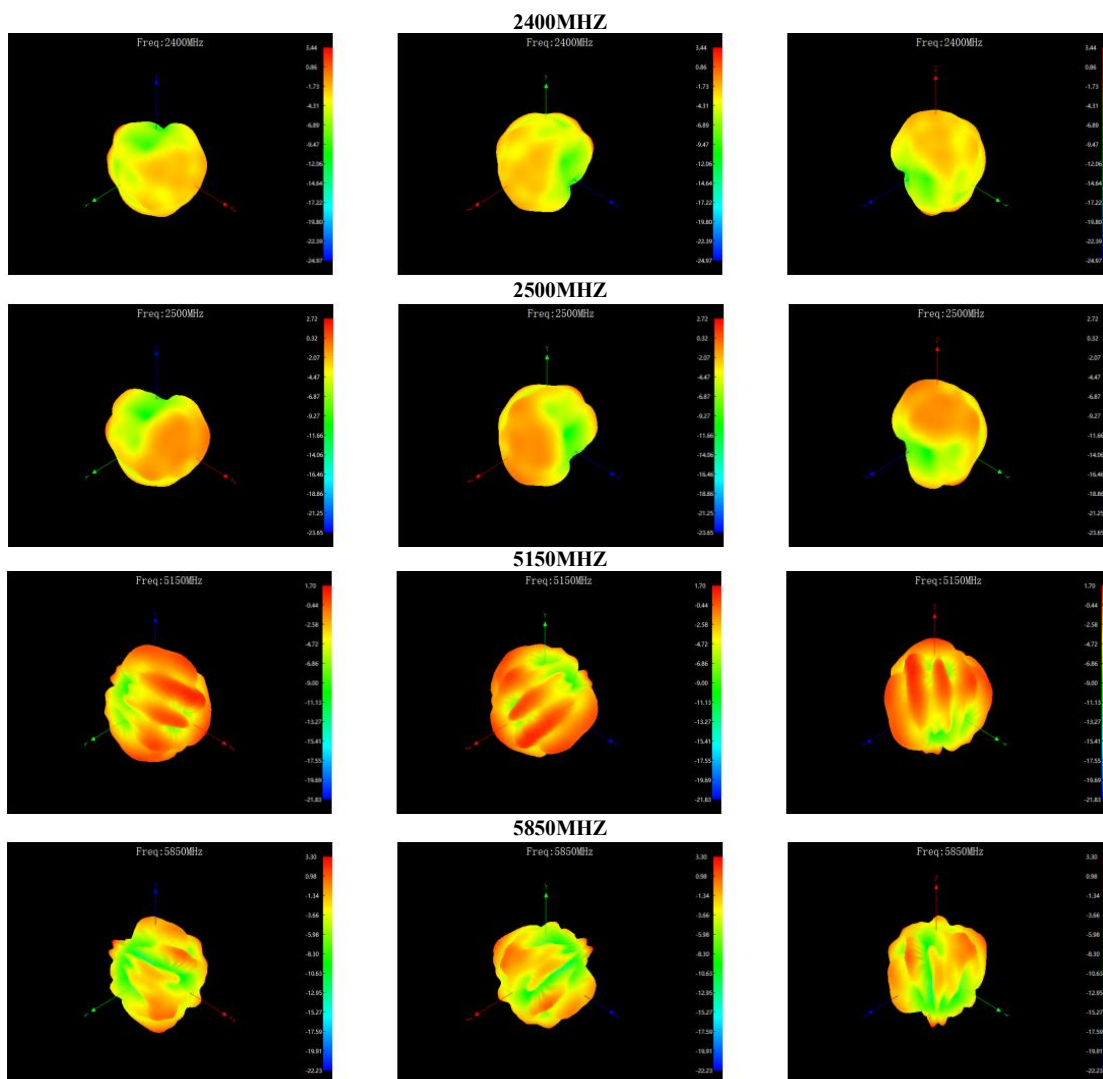
7/26/2024, 4:54 PM

### 6.1.2. Antenna efficiency/gain/direction diagram

| Freq<br>(MHz) | Effi<br>(%) | MAXGain<br>(dBi) | Freq<br>(MHz) | Effi<br>(%) | MAXGain<br>(dBi) | Freq<br>(MHz) | Effi<br>(%) | MAXGain<br>(dBi) |
|---------------|-------------|------------------|---------------|-------------|------------------|---------------|-------------|------------------|
| 2400          | 35.81       | 3.44             | 2490          | 37.67       | 3.38             | 5470          | 40.74       | 2.26             |
| 2410          | 34.04       | 2.61             | 2500          | 35.65       | 2.72             | 5490          | 38.55       | 2.13             |
| 2420          | 35.16       | 2.74             |               |             |                  | 5510          | 40.36       | 2.18             |
| 2430          | 35.4        | 2.49             | 5150          | 54.58       | 1.7              | 5530          | 37.41       | 1.68             |
| 2440          | 37.07       | 2.66             | 5170          | 52          | 1.27             | 5550          | 40.36       | 2.26             |
| 2450          | 36.39       | 2.93             | 5190          | 53.83       | 1.94             | 5570          | 42.27       | 2.83             |
| 2460          | 36.98       | 2.97             | 5210          | 53.83       | 1.98             | 5590          | 41.78       | 2.24             |
| 2470          | 38.37       | 3.46             | 5230          | 49.66       | 1.64             | 5610          | 41.4        | 1.7              |
| 2480          | 37.15       | 3.06             | 5250          | 52.72       | 1.34             | 5630          | 42.85       | 1.58             |



|  |  |  |      |       |      |      |       |      |
|--|--|--|------|-------|------|------|-------|------|
|  |  |  | 5270 | 52.48 | 2.12 | 5650 | 39.36 | 1.32 |
|  |  |  | 5290 | 49.77 | 2.34 | 5670 | 38.64 | 1.27 |
|  |  |  | 5310 | 49.43 | 2.55 | 5690 | 43.45 | 1.91 |
|  |  |  | 5330 | 49.55 | 2.16 | 5710 | 40.18 | 1.85 |
|  |  |  | 5350 | 44.16 | 1.98 | 5730 | 45.08 | 2.41 |
|  |  |  | 5370 | 46.13 | 2.84 | 5750 | 48.08 | 3.02 |
|  |  |  | 5390 | 44.67 | 2.82 | 5770 | 50.7  | 3.42 |
|  |  |  | 5410 | 46.03 | 2.98 | 5790 | 47.75 | 2.96 |
|  |  |  | 5430 | 43.15 | 2.33 | 5810 | 48.42 | 3.3  |
|  |  |  | 5450 | 43.35 | 2.56 | 5830 | 46.99 | 4.11 |
|  |  |  |      |       |      | 5850 | 42.95 | 3.3  |





## 6.2 Antenna active parameter

### 6.2.1 BT TRP&TIS

| NQI ANT TRP&TIS parameter Summary of W635W |        |        |        |
|--------------------------------------------|--------|--------|--------|
| BAND                                       | BT     |        |        |
| CHANNEL                                    | 0      | 39     | 78     |
| TRP (dBm)                                  | 6.26   | 6.45   | 6.28   |
| TIS (dBm)                                  | -87.47 | -88.69 | -87.38 |

### 6.2.2 WIFI TRP/TIS

| NQI ANT TRP&TIS parameter Summary of W635 41# |        |        |        |
|-----------------------------------------------|--------|--------|--------|
| BAND                                          | WIFA-B |        |        |
| CHANNEL                                       | 1      | 6      | 11     |
| TRP (dBm)                                     | 12.15  | 13.32  | 12.09  |
| TIS (dBm)                                     | -85.33 | -85.49 | -85.18 |
| BAND                                          | WIFI-A |        |        |
| CHANNEL                                       | 36     | 149    | 165    |
| TRP (dBm)                                     | 12.19  | 12.37  | 12.48  |
| TIS (dBm)                                     | -72.27 | -72.18 | -70.19 |

unit: mm

