



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

**HUACHUANG TECHNOLOGY LTD**

# **Antenna Test Report**

**Tester : Hu Lin**  
**Approval : Liu Feng**  
**Date : 2024 / 05/ 20**



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ANT Communication Technology (Shenzhen) Co., LTD.

## 1. Device Profile

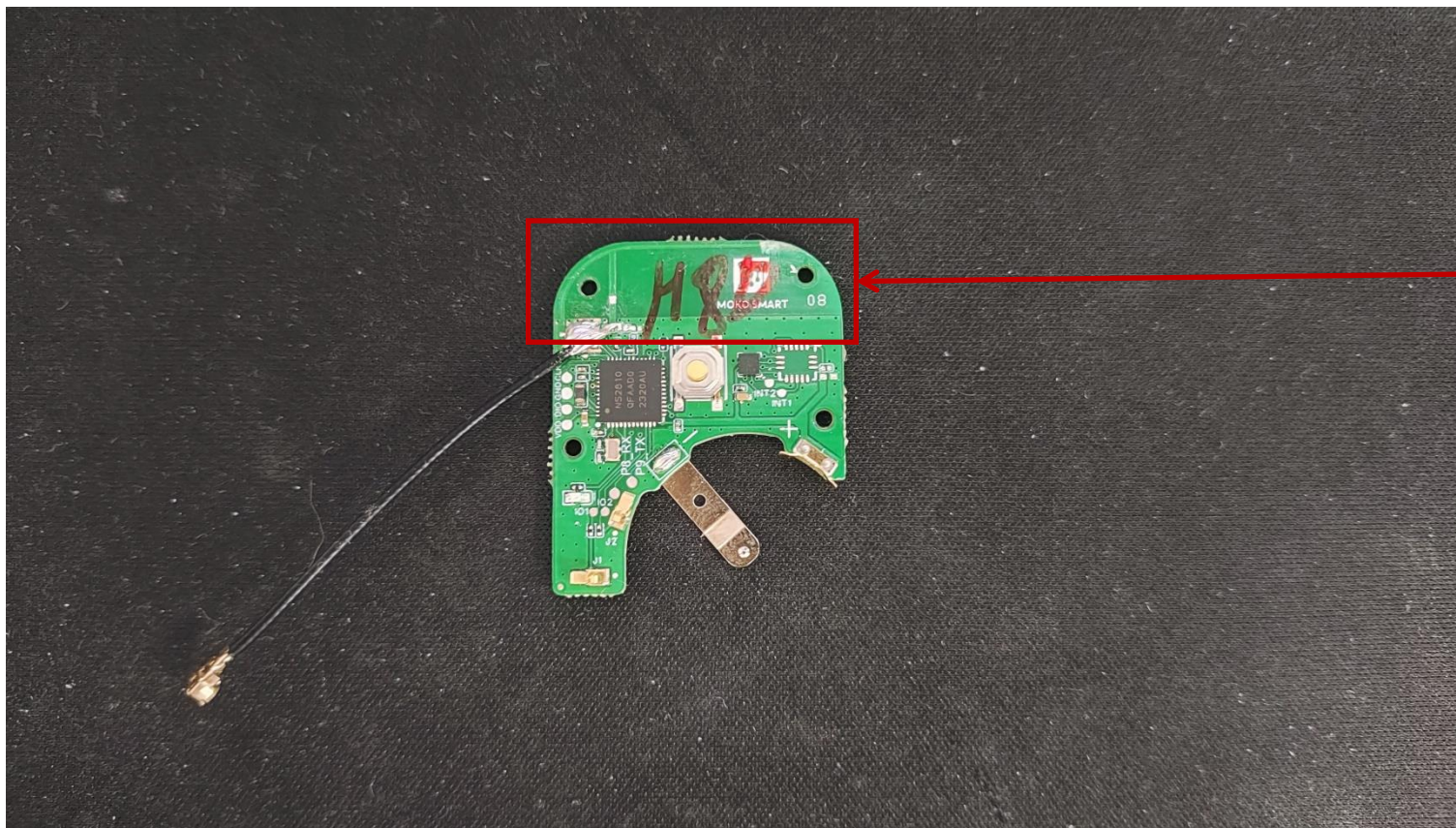
## 2. 2400-2500MHz



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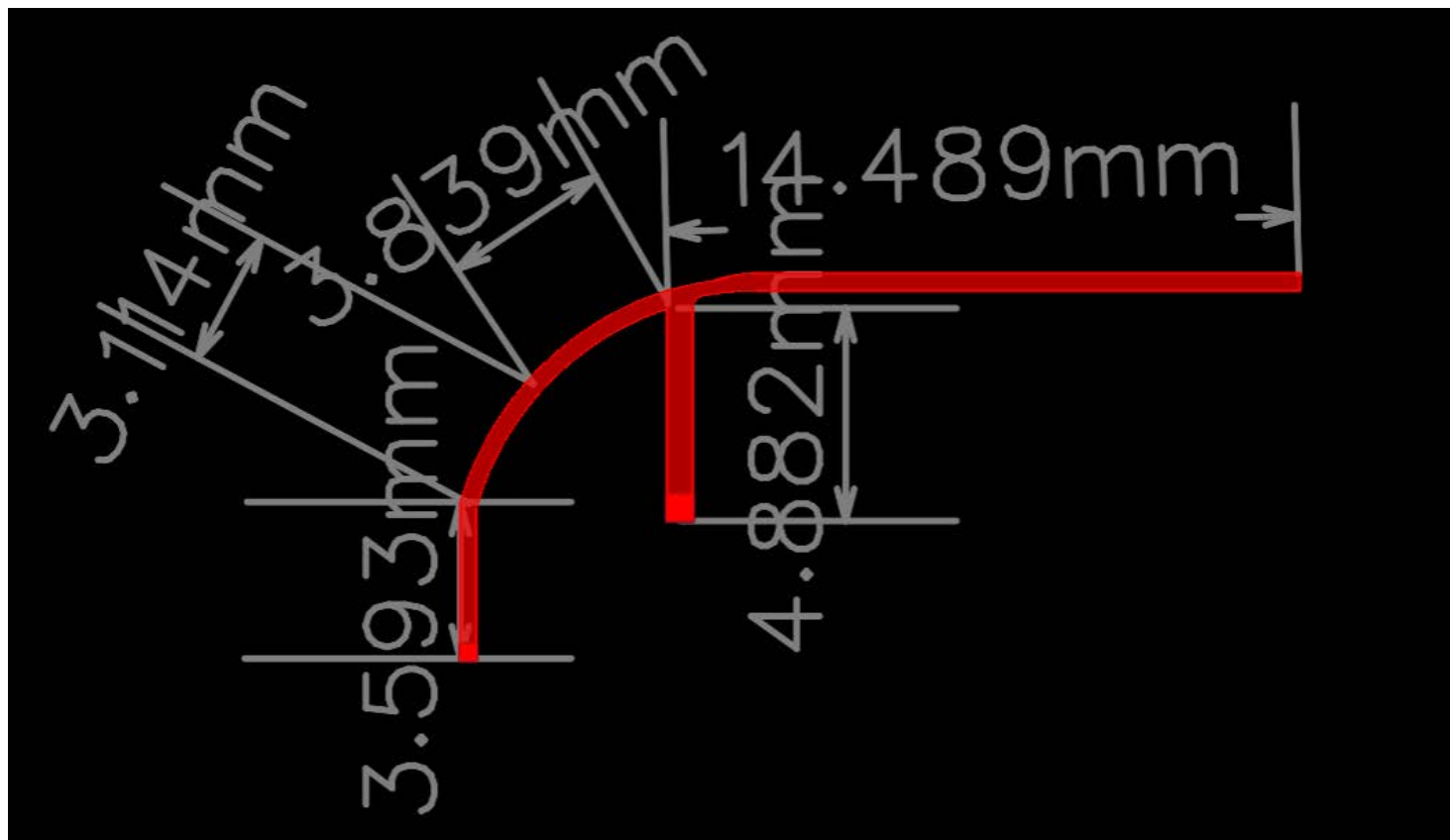
## 1. Device Profile



**BT Antenna**

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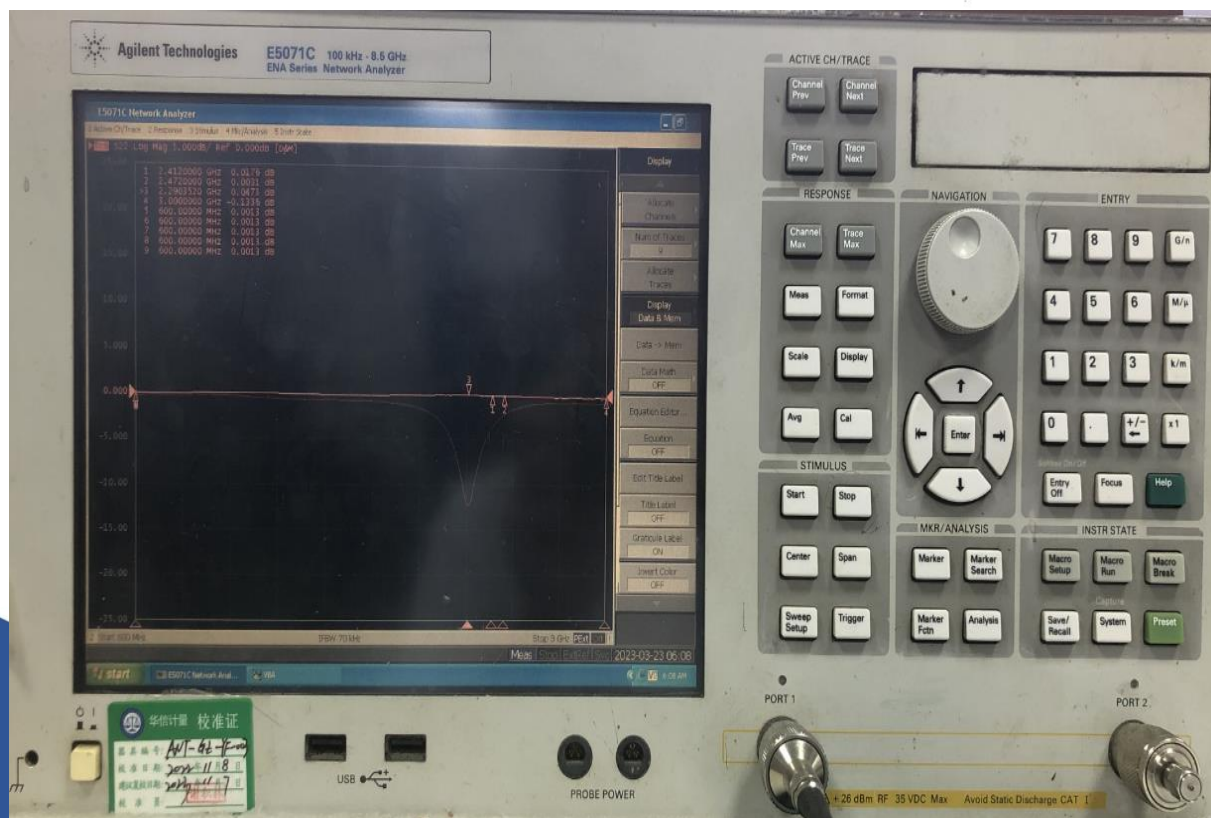


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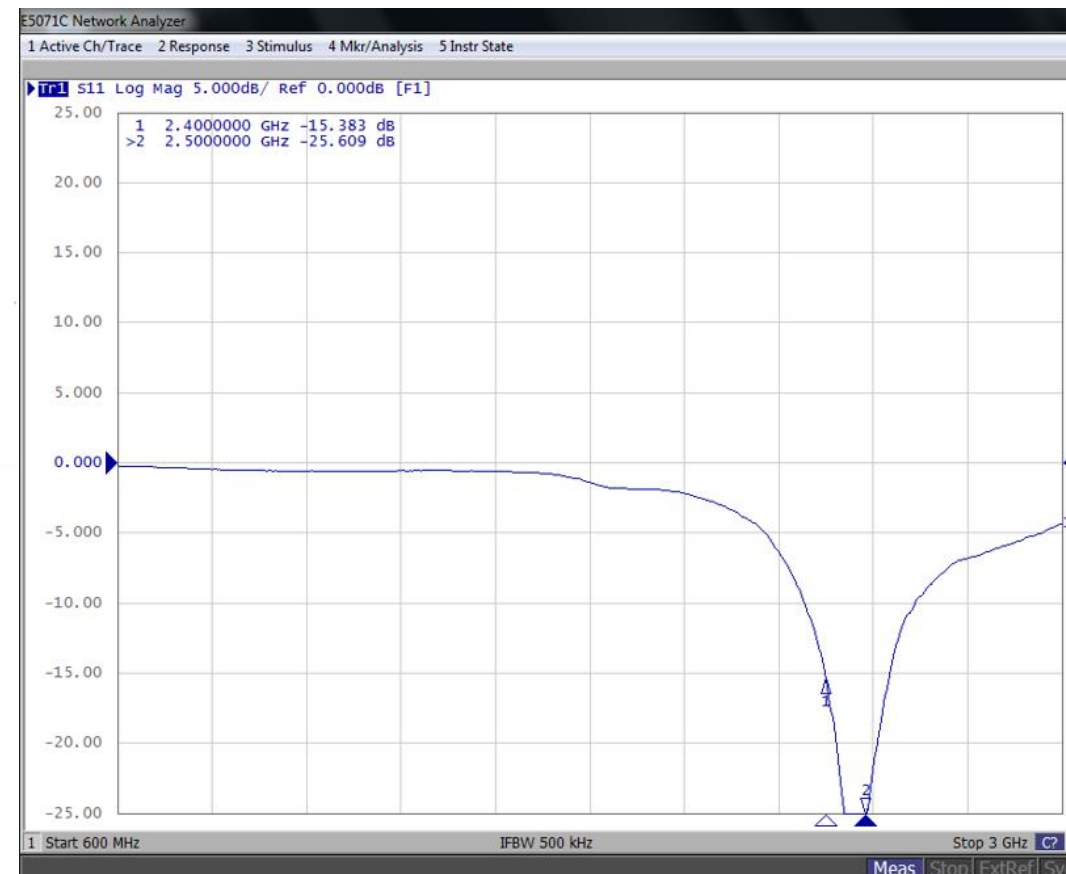
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## 2. 2400-2500MHz、5150-5850MHz Test

Agilent E5071C



S-Parameter Test

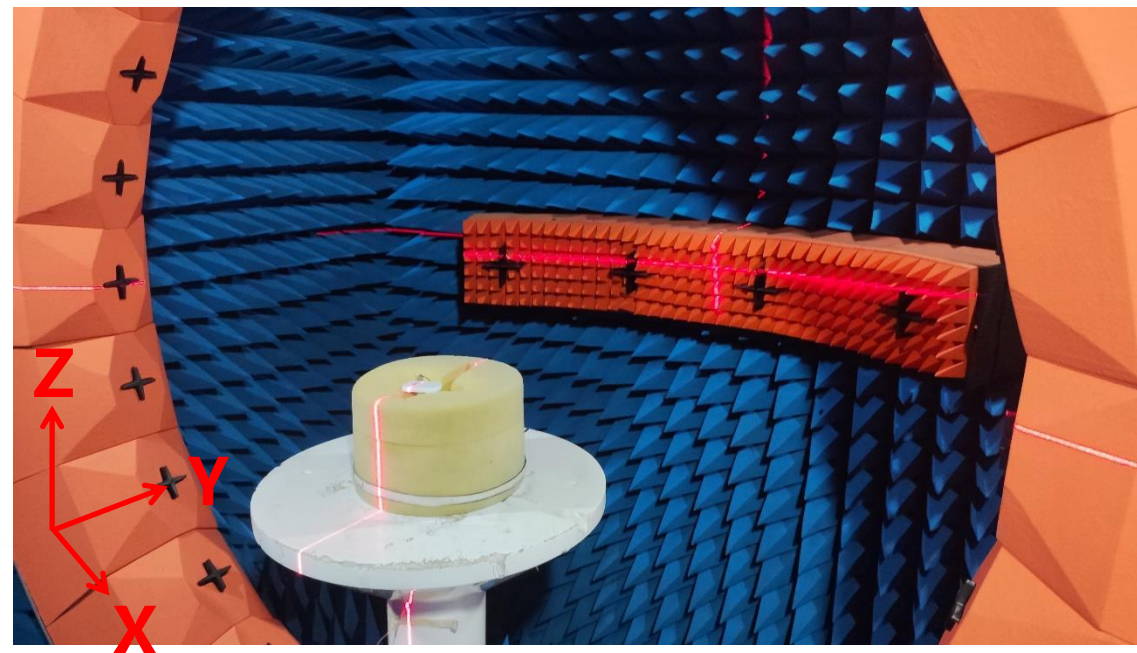
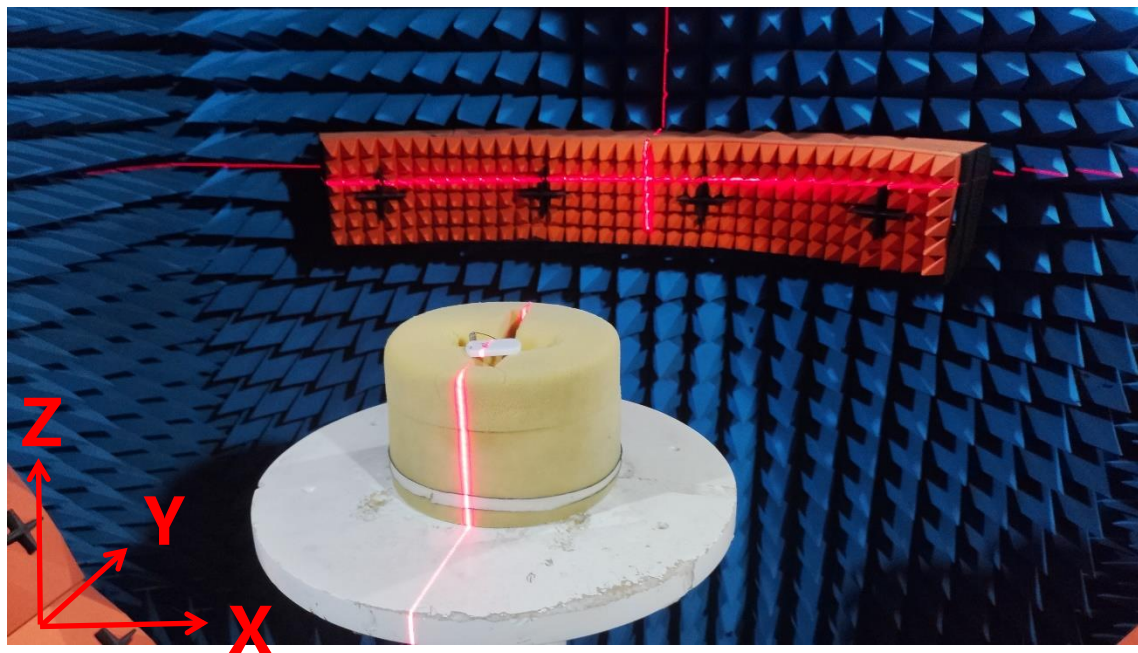




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## Antenna Passive Test





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| Passive Test  |               |              |             |
|---------------|---------------|--------------|-------------|
| Frequency/Mhz | Efficiency/dB | Efficiency/% | MaxGain/dBi |
| 2400          | -3.82         | 41.5         | -1.22       |
| 2410          | -3.7          | 42.66        | -1.53       |
| 2420          | -4.02         | 39.63        | -1.05       |
| 2430          | -3.58         | 43.85        | -1.29       |
| 2440          | -3.78         | 41.88        | -0.9        |
| 2450          | -3.69         | 42.76        | -1.04       |
| 2460          | -4.1          | 38.9         | -0.5        |
| 2470          | -3.79         | 41.78        | 0.06        |
| 2480          | -3.79         | 41.78        | -0.36       |
| 2490          | -3.79         | 41.78        | 0.71        |
| 2500          | -3.93         | 40.46        | -0.61       |

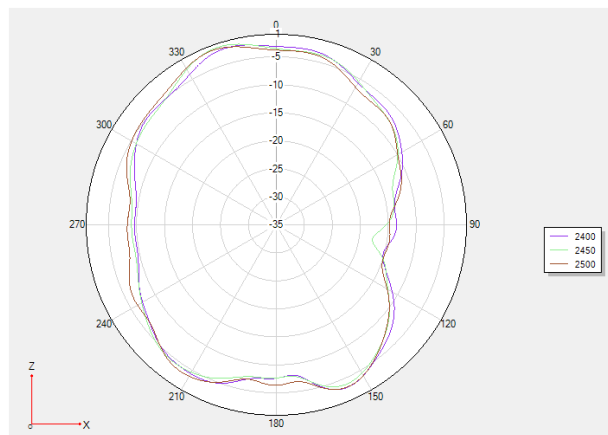


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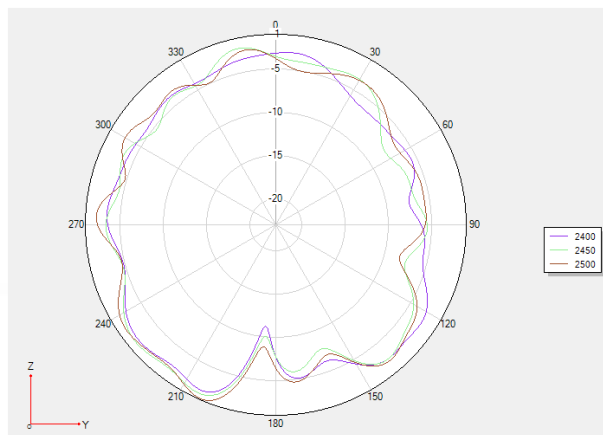
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## 2D-Etotal (2400/2450/2500/5150/5500/5850Mhz)

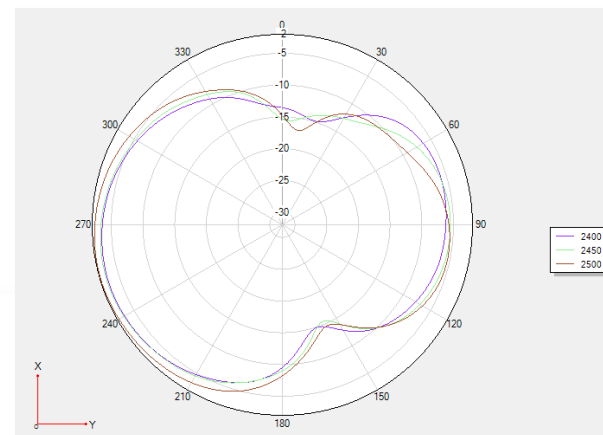
Phi 0 2D



Phi 90 2D



Theta 90 2D

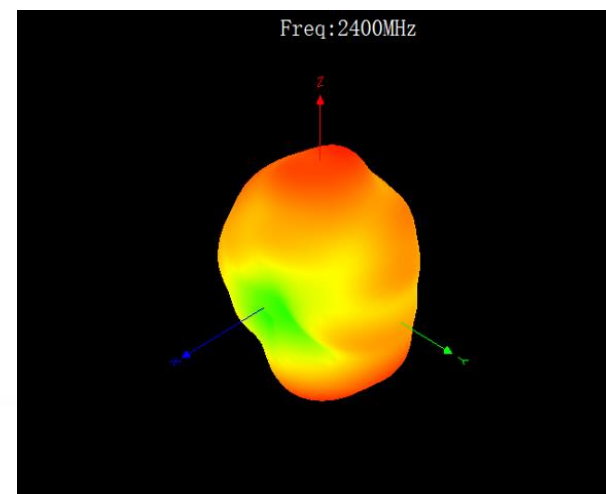
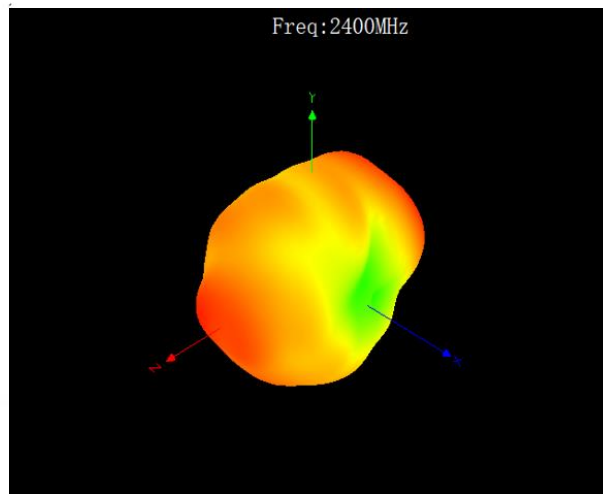
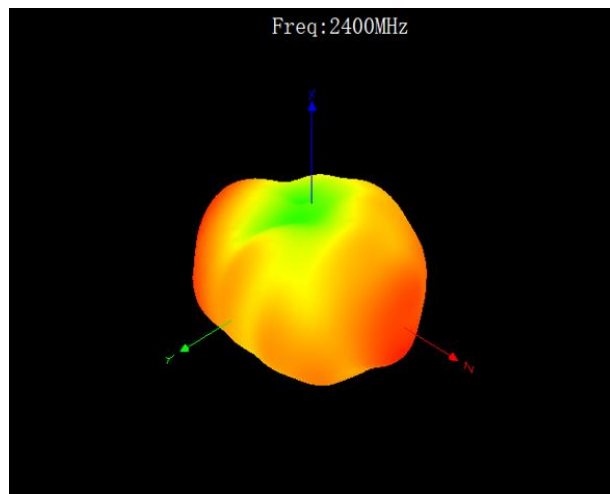




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## 3D-Etotal (2400Mhz)

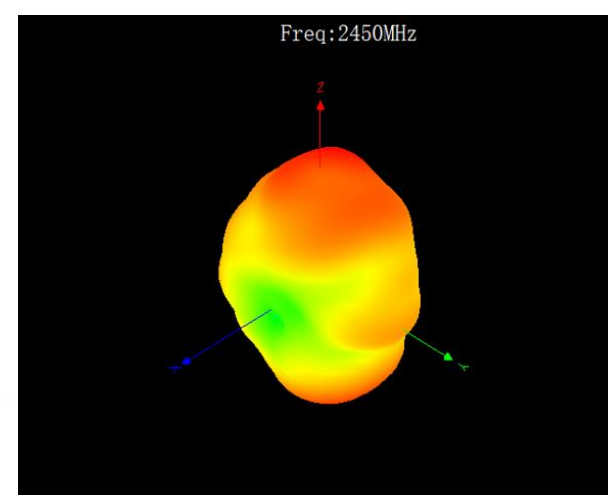
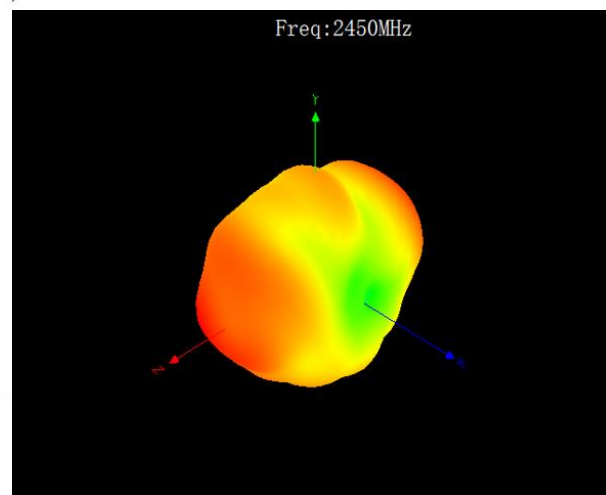
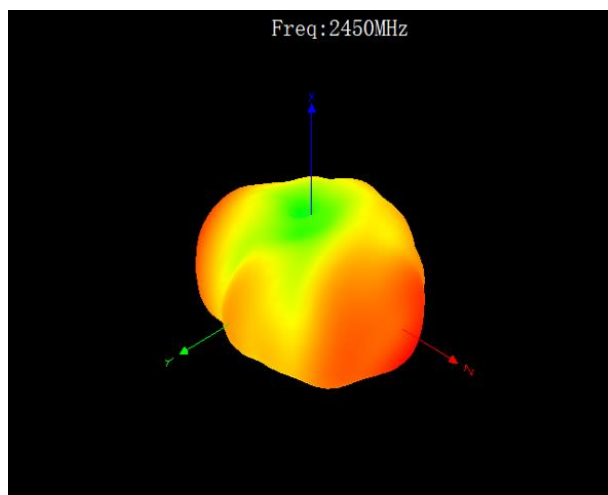




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## 3D-Etotal (2450Mhz)

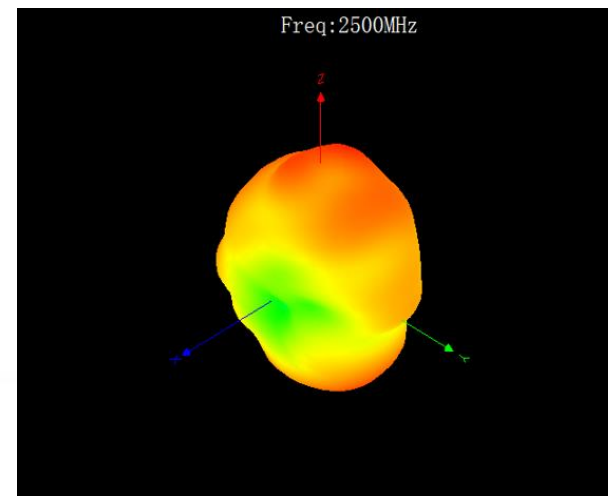
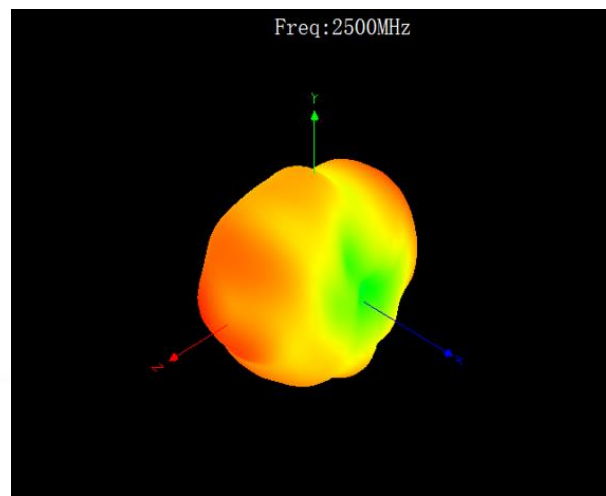
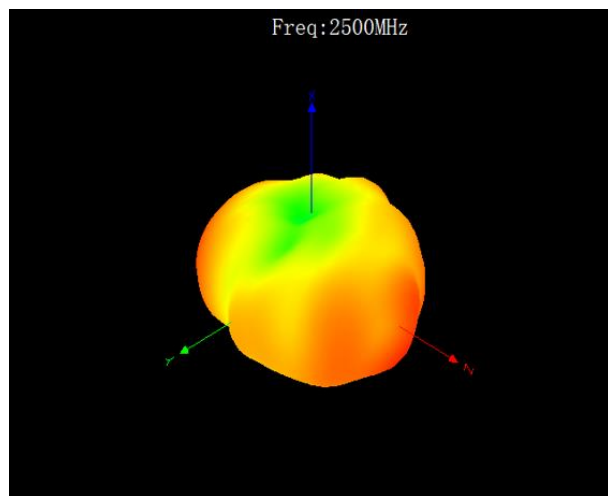




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## 3D-Etotal (2500Mhz)





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**THANK YOU!**