



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

Manufacturer 's : **HUACHUANG TECHNOLOGY LTD**

Address : 701, Building A, No. 10, Jiangfu Road, Xinzhuang Community, Matian Street, Guangming District,

Shenzhen

Antenna Test Report

M/N:S02R

Tester : Hu Lin
Approval : Liu Feng
Date : 2024 / 01/ 17



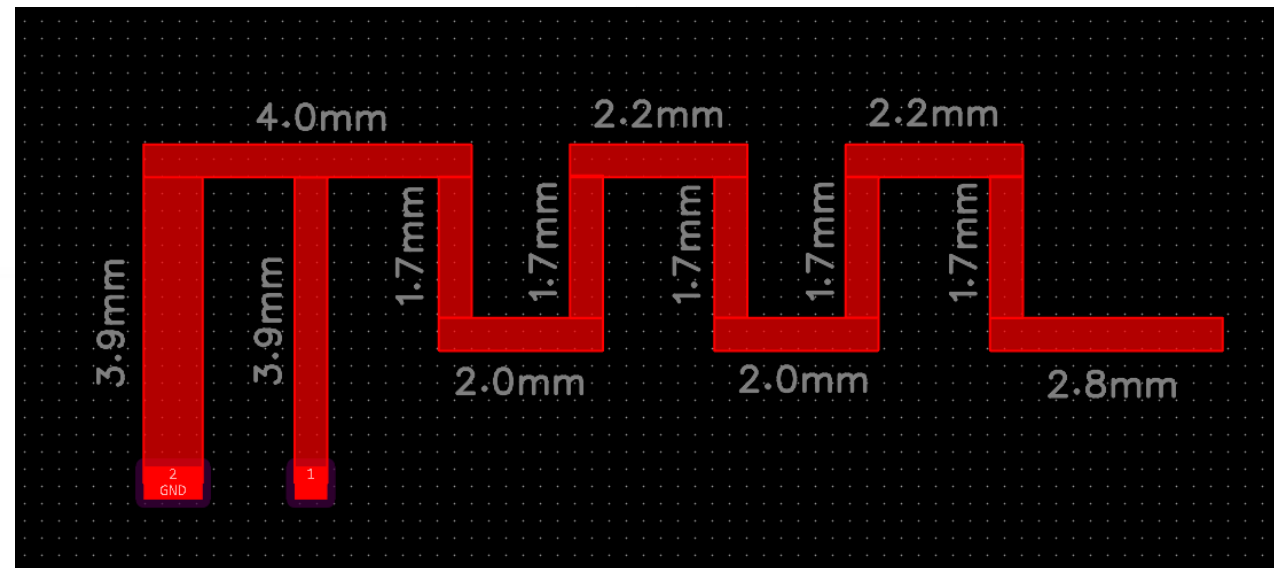
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1. Device Profile

2. 2400-2500MHz Test

$$3.9+4+3.9+1.7+2+1.7+2.2+1.7+2.0+1.7+2.2+1.7+2.8=31.5\text{mm}$$



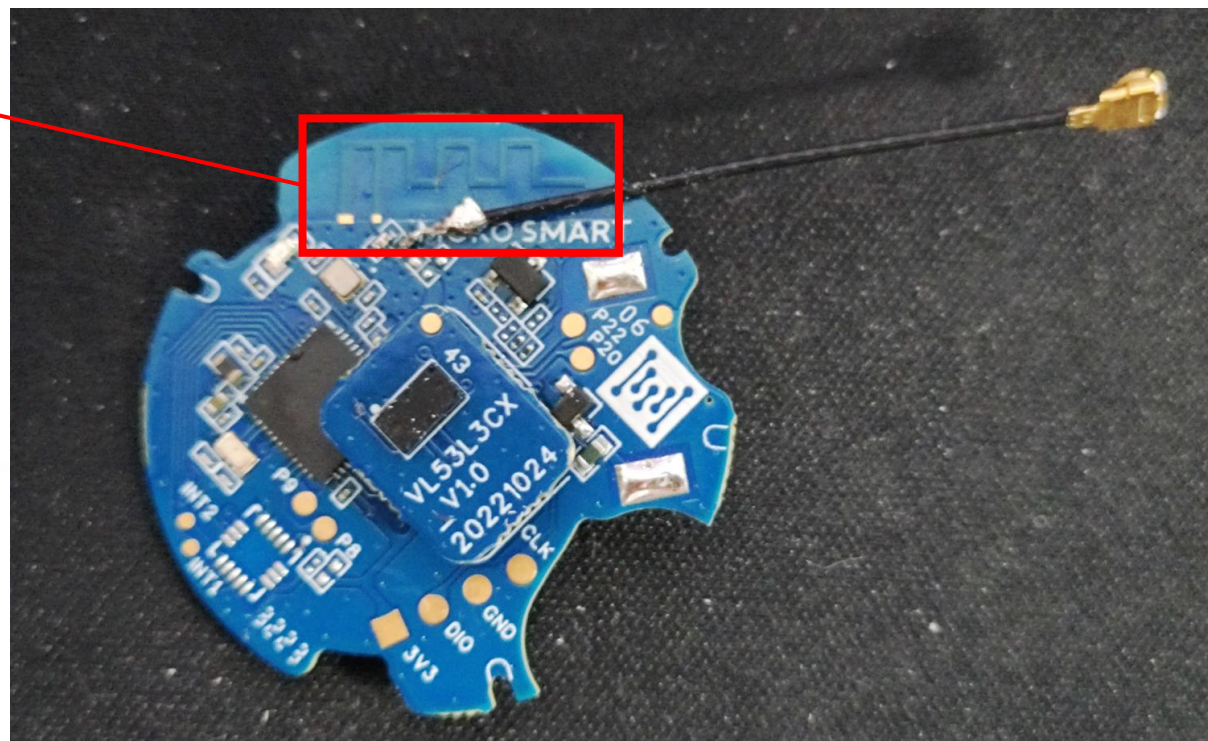


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1. Device Profile

Antenna



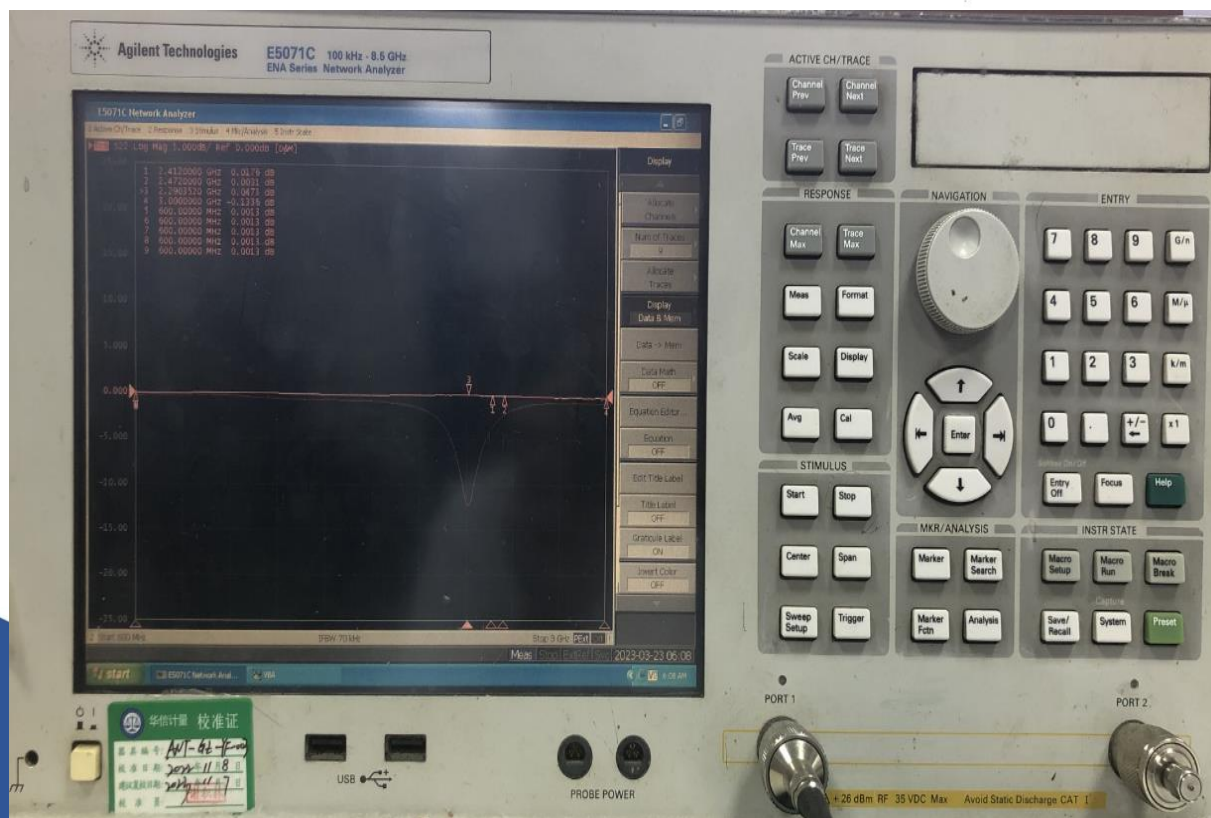


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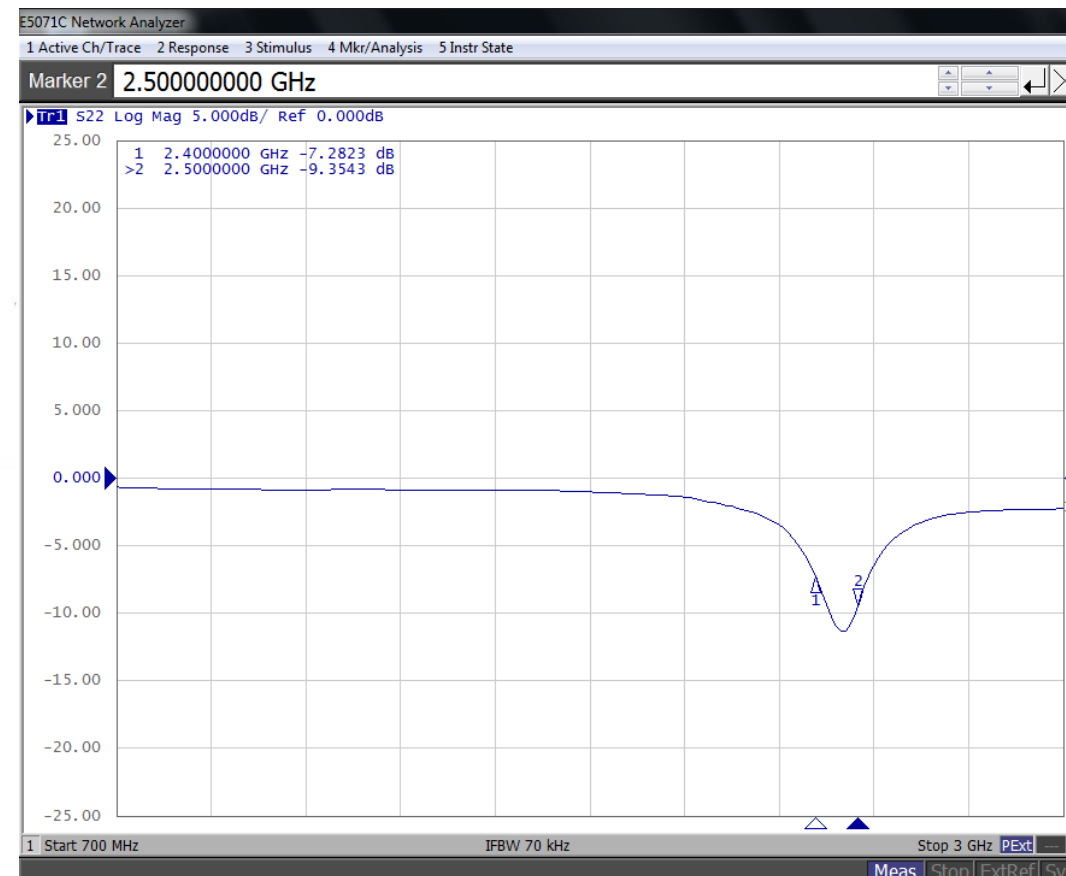
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2. 2400-2500MHz Test

Agilent E5071C



S-Parameter Test

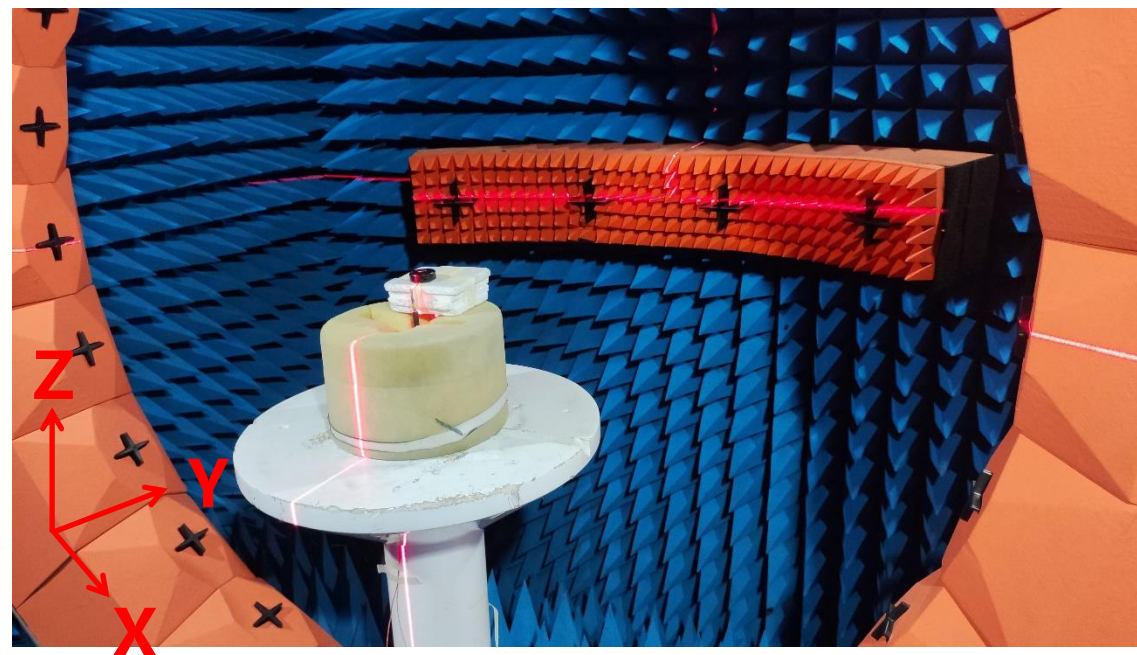
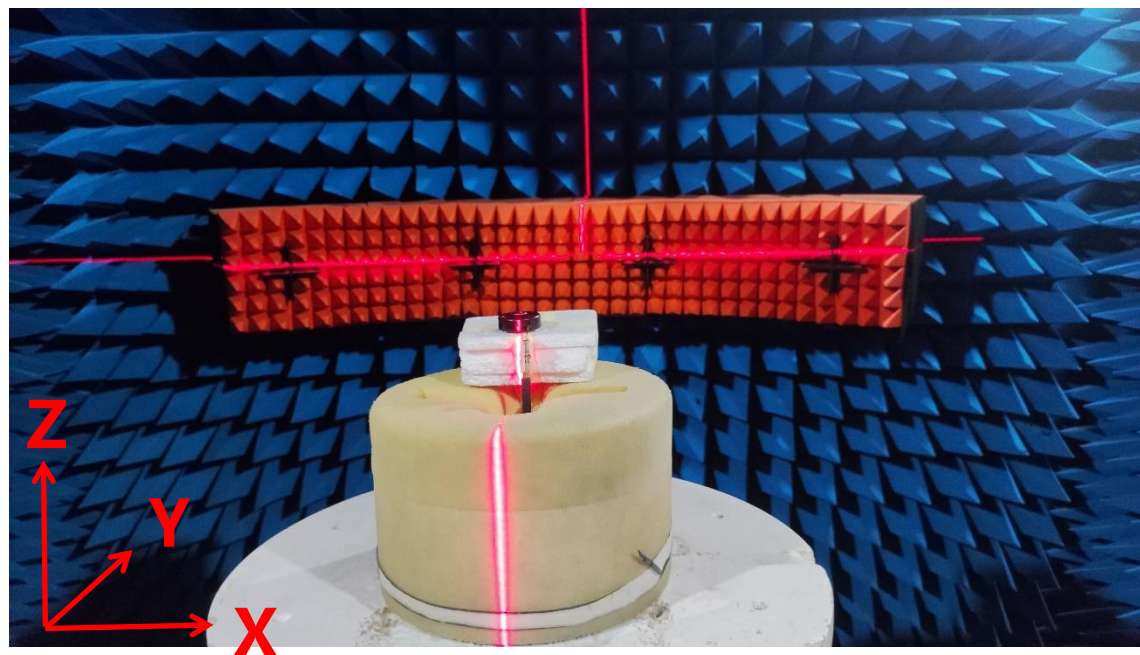




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Antenna Passive Test





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Passive Test			
Frequency /Mhz	Efficiency/ dB	Efficiency/ %	MaxGain/ dBi
2400	-7.8	16.6	-2.05
2410	-7.37	18.32	-1.63
2420	-7.32	18.54	-1.42
2430	-7.26	18.79	-1.62
2440	-7.09	19.54	-1.24
2450	-6.92	20.32	-1.15
2460	-6.92	20.32	-0.85
2470	-6.96	20.14	-0.54
2480	-7.02	19.86	-0.51
2490	-7.09	19.54	-1.47
2500	-7.17	19.19	-1.72

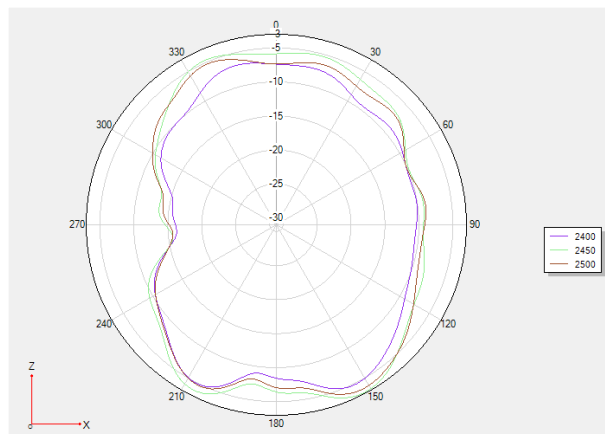


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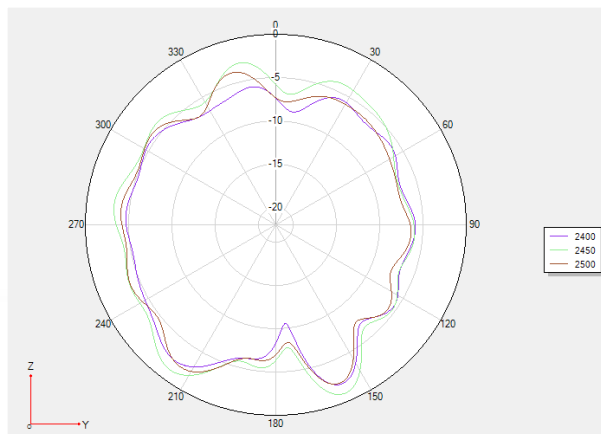
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2D-Etotal (2400/2450/2500Mhz)

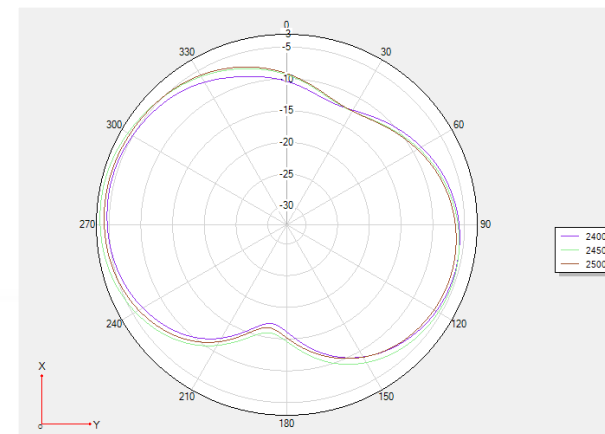
Phi 0 2D



Phi 90 2D



Theta 90 2D

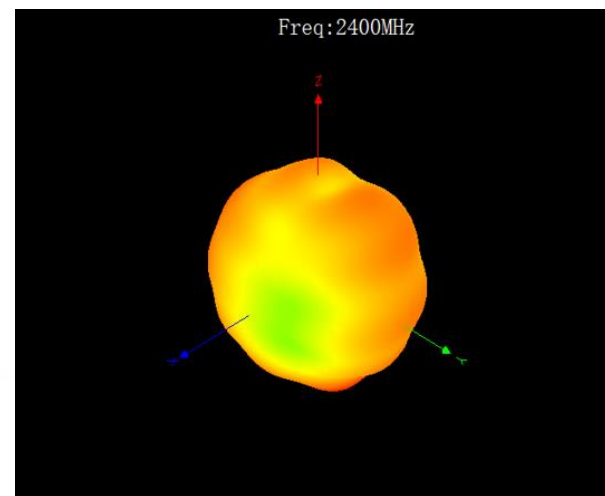
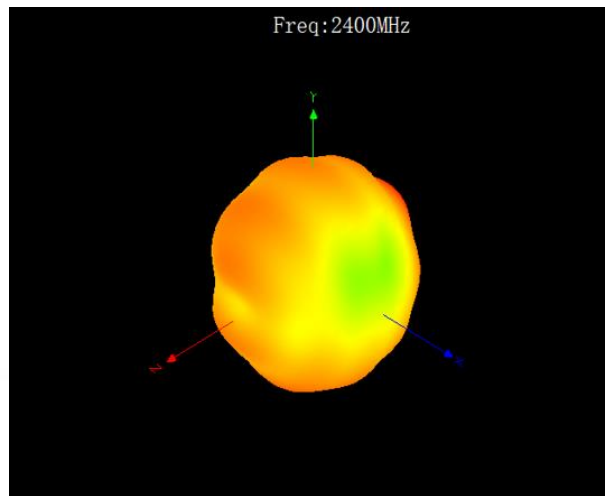
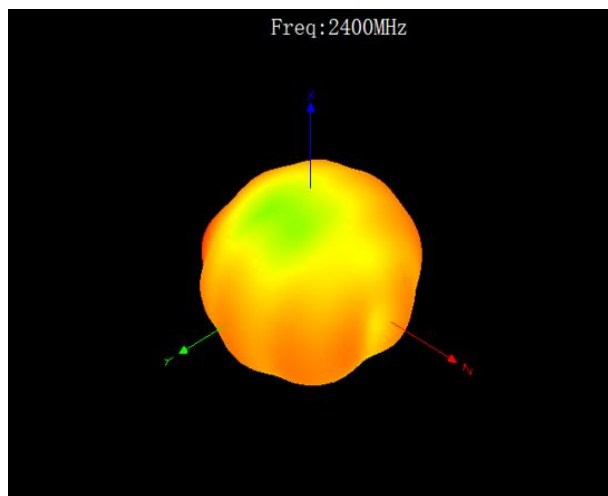




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3D-Etotal (2400Mhz)

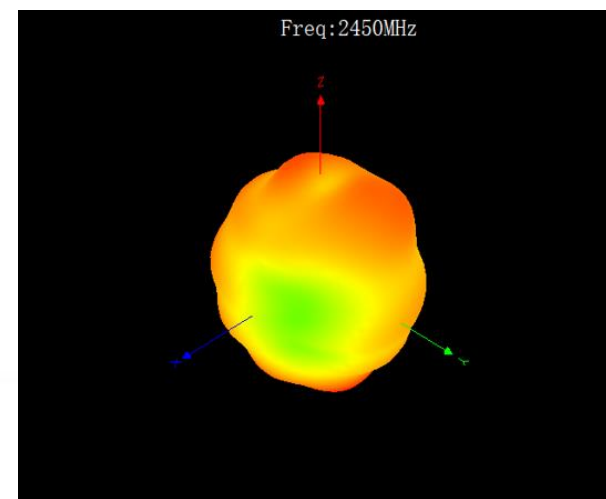
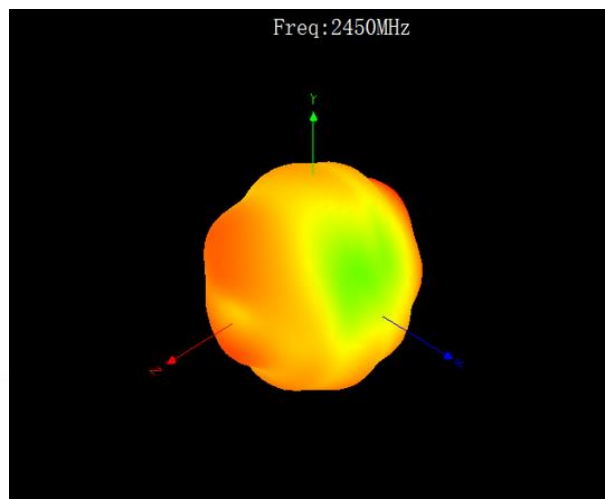
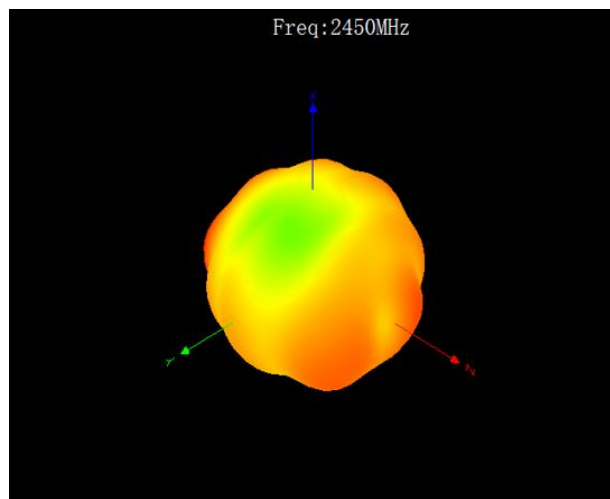




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3D-Etotal (2450Mhz)

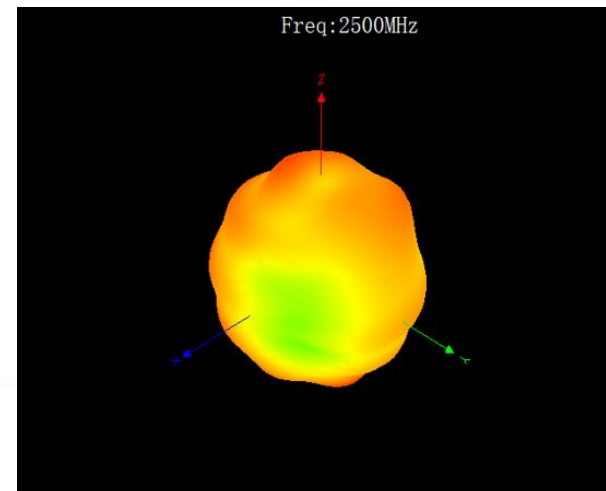
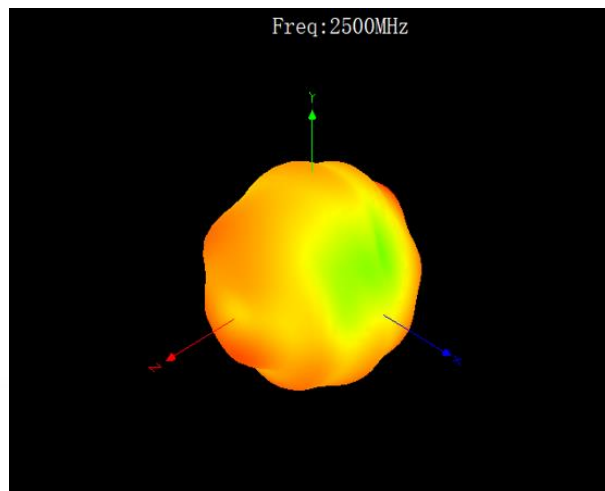
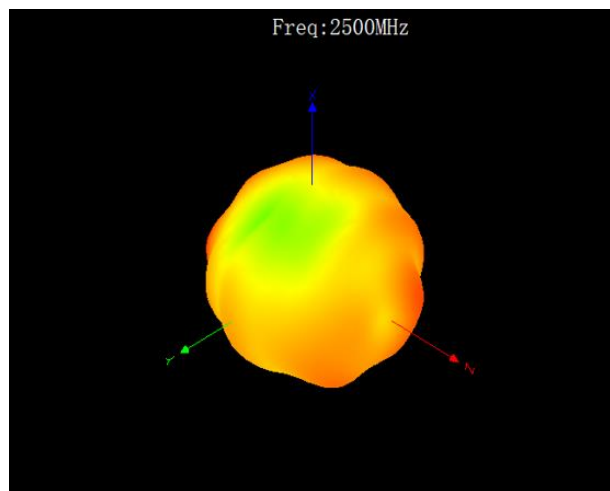




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3D-Etotal (2500Mhz)





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THANK YOU!