



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Test Report

Applicant: MOKO TECHNOLOGY Ltd

**Address: Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street,
Longhua, Shenzhen, China 518110**

Model Number: BS-139

Antenna Type: PCB Antenna

Trade Name: MOKOSMART

Tester : Hu Lin
Approval : Liu Feng
Date : 2024 / 01/ 05



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1. Device Profile

2. 2.4G BT Test

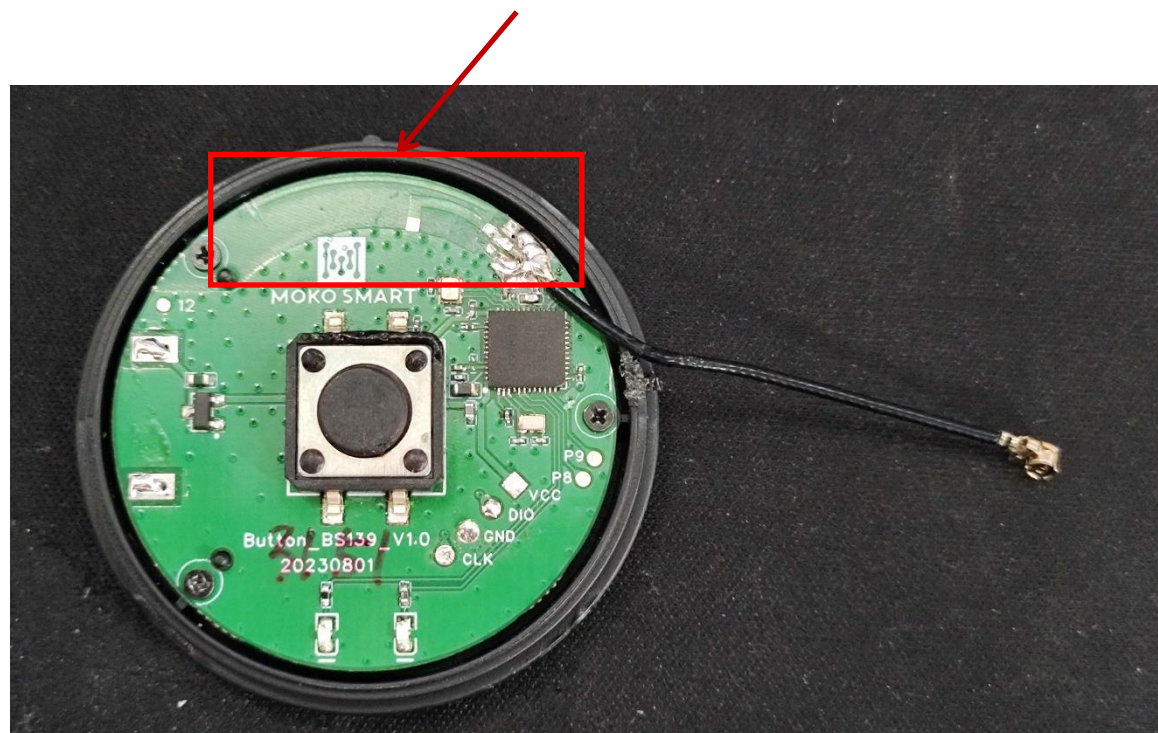


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1. Device Profile

BT Antenna



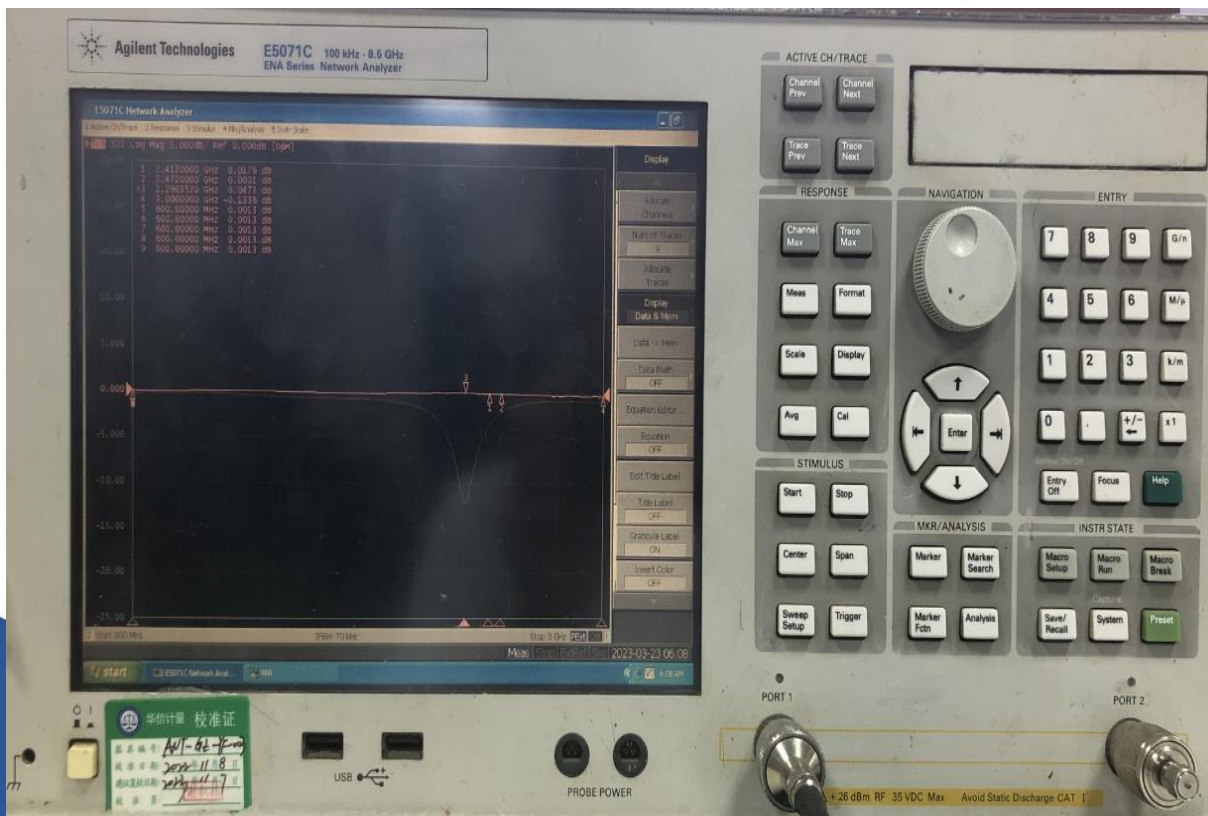


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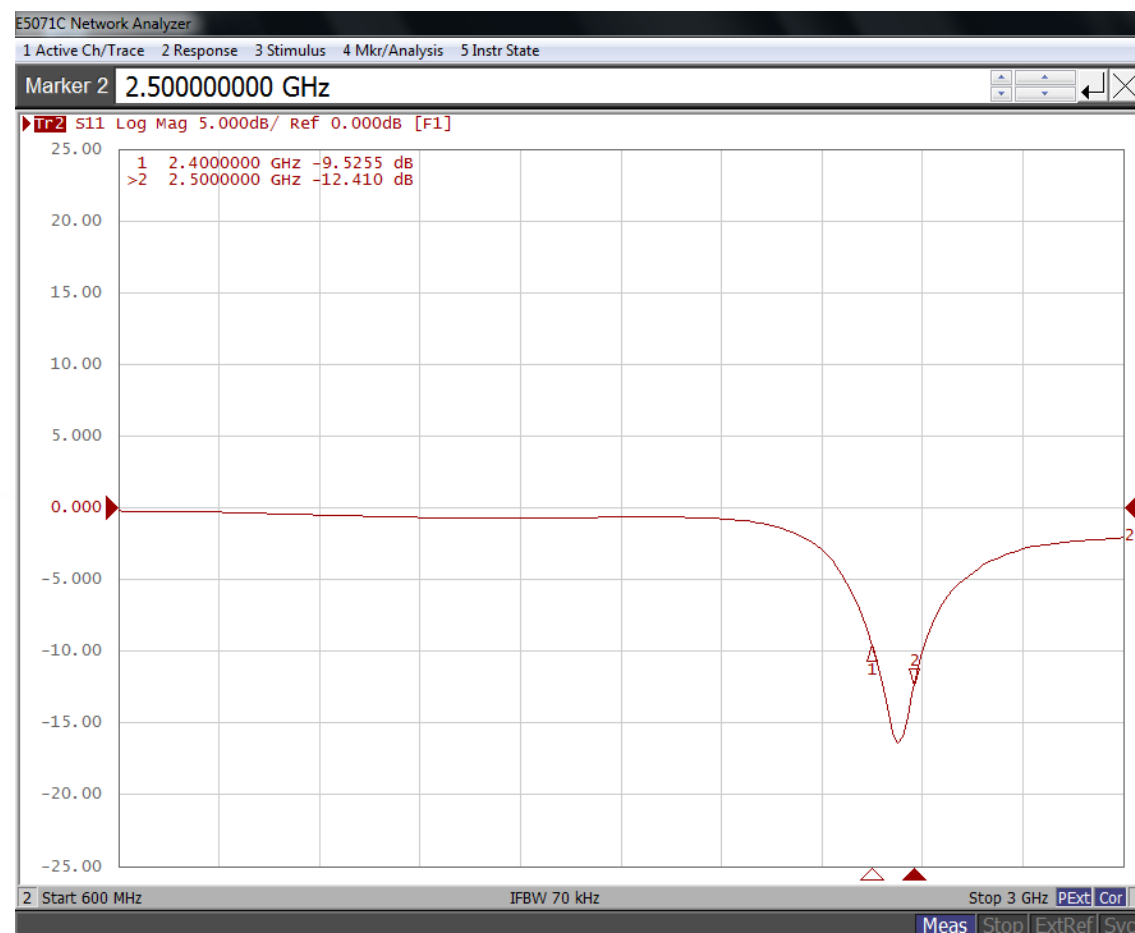
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3. BLE Antenna Test

Agilent E5071C



S-Parameter Test

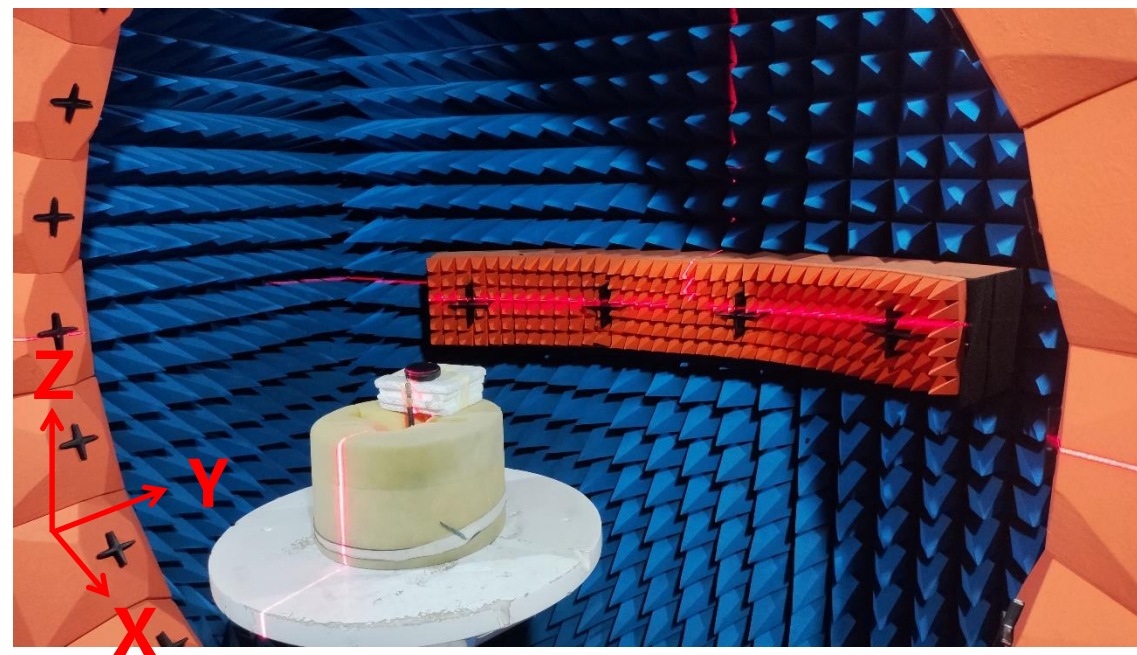
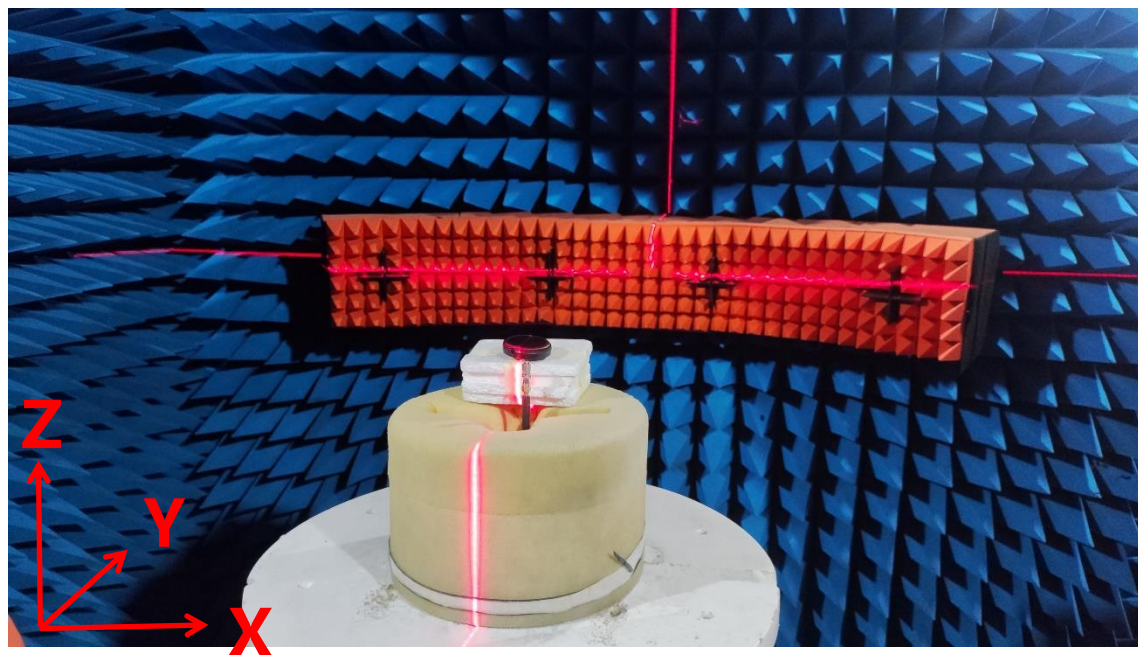




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Antenna Passive Test





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Passive Test			
Frequency /Mhz	Efficiency/ dB	Efficiency/ %	MaxGain/ dBi
2400	-5.44	28.58	0.81
2410	-5.31	29.44	0.7
2420	-5.15	30.55	0.54
2430	-5.15	30.55	1.02
2440	-4.94	32.06	1.11
2450	-4.92	32.21	1.23
2460	-4.77	33.34	1.68
2470	-4.47	35.73	1.4
2480	-4.31	37.07	2.25
2490	-4.44	35.97	2.26
2500	-4.59	34.75	0.94

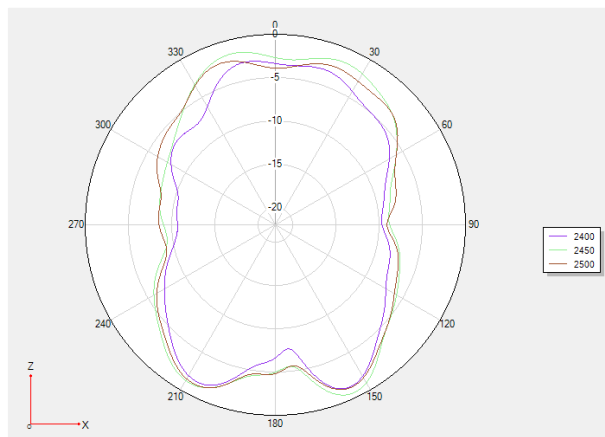


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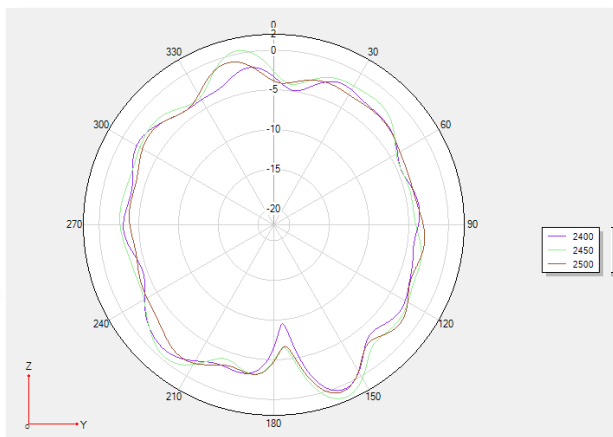
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2D-Etotal (2400/2450/2500Mhz)

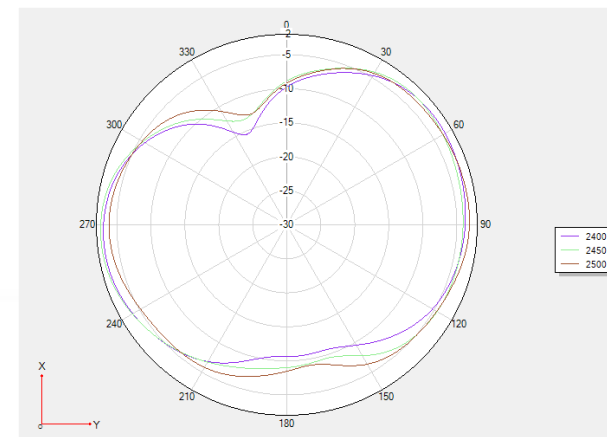
Phi 0 2D



Phi 90 2D



Theta 90 2D

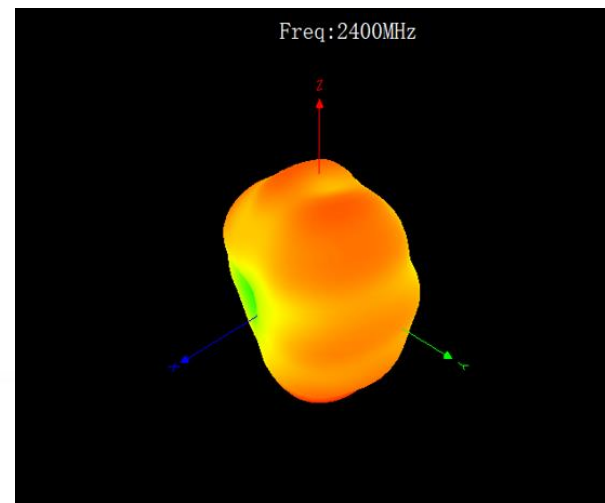
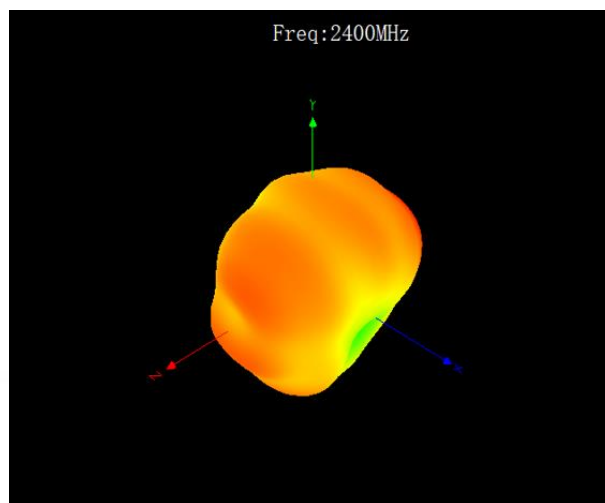
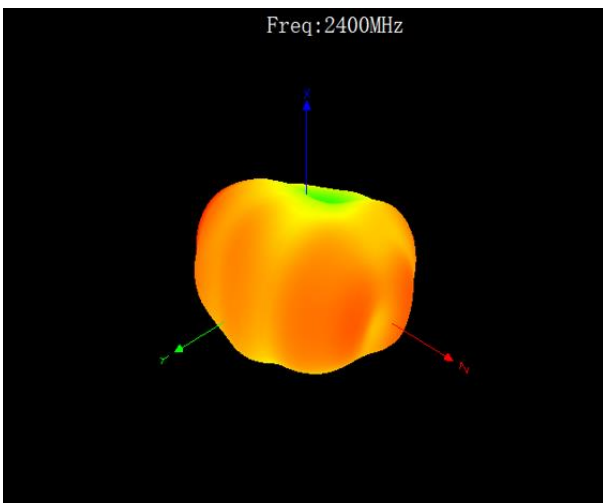




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3D-Etotal (2400Mhz)

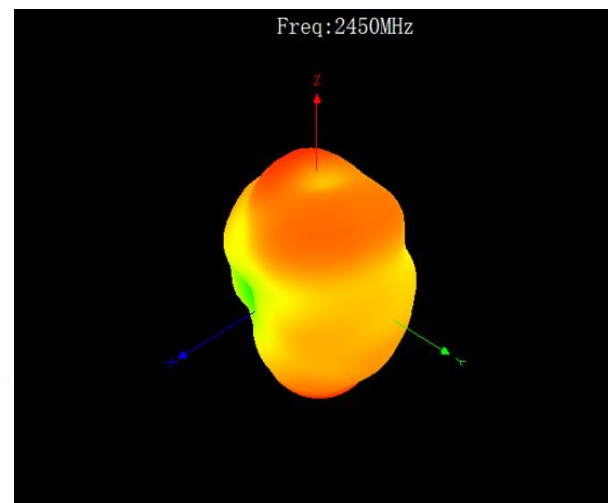
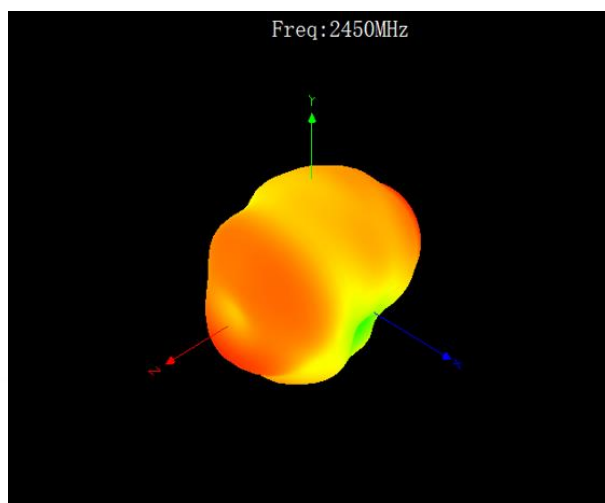
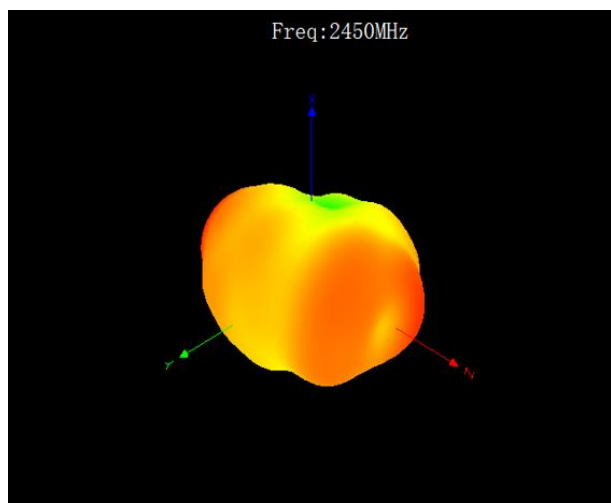




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3D-Etotal (2450Mhz)

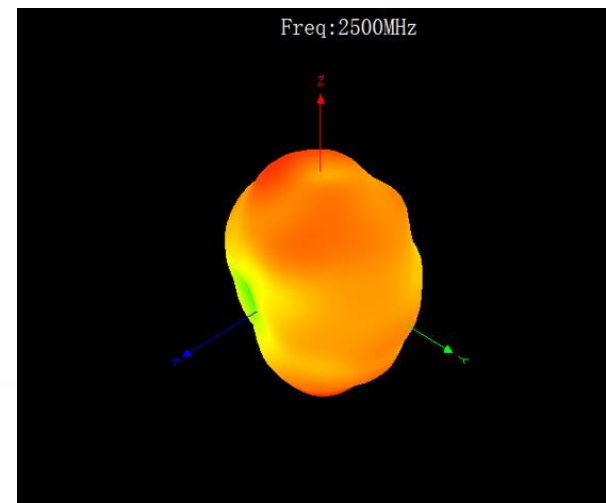
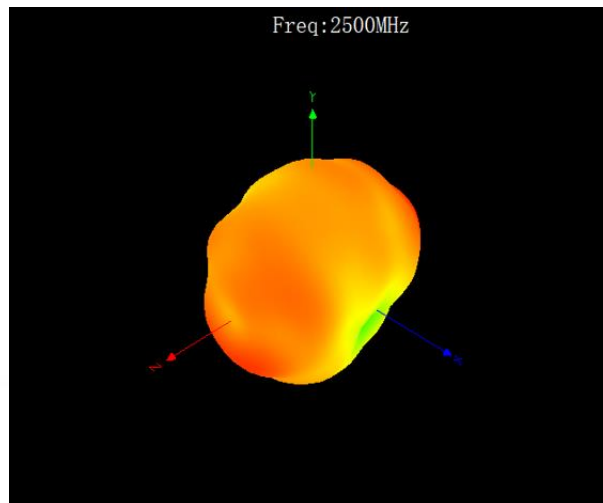
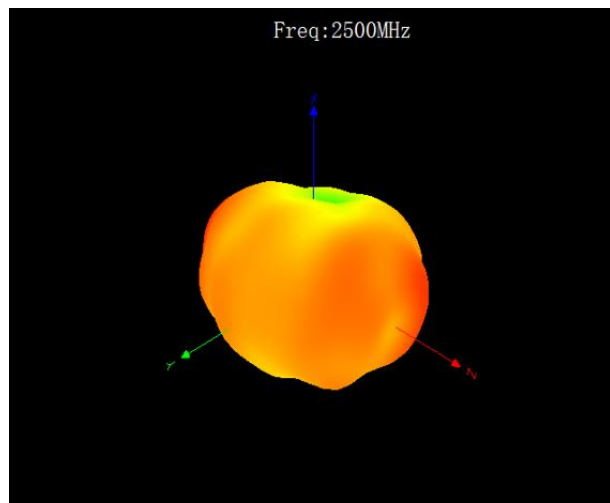




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3D-Etotal (2500Mhz)





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THANK YOU!