



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

高压釜 TECHNOLOGY LTD

Antenna Test Report

Antenna model : ANT

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

Tester : Hu Lin
Date : 2025 / 07 / 02



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1. Device Profile

2. BT Test

Antenna Photo & Length (mm)

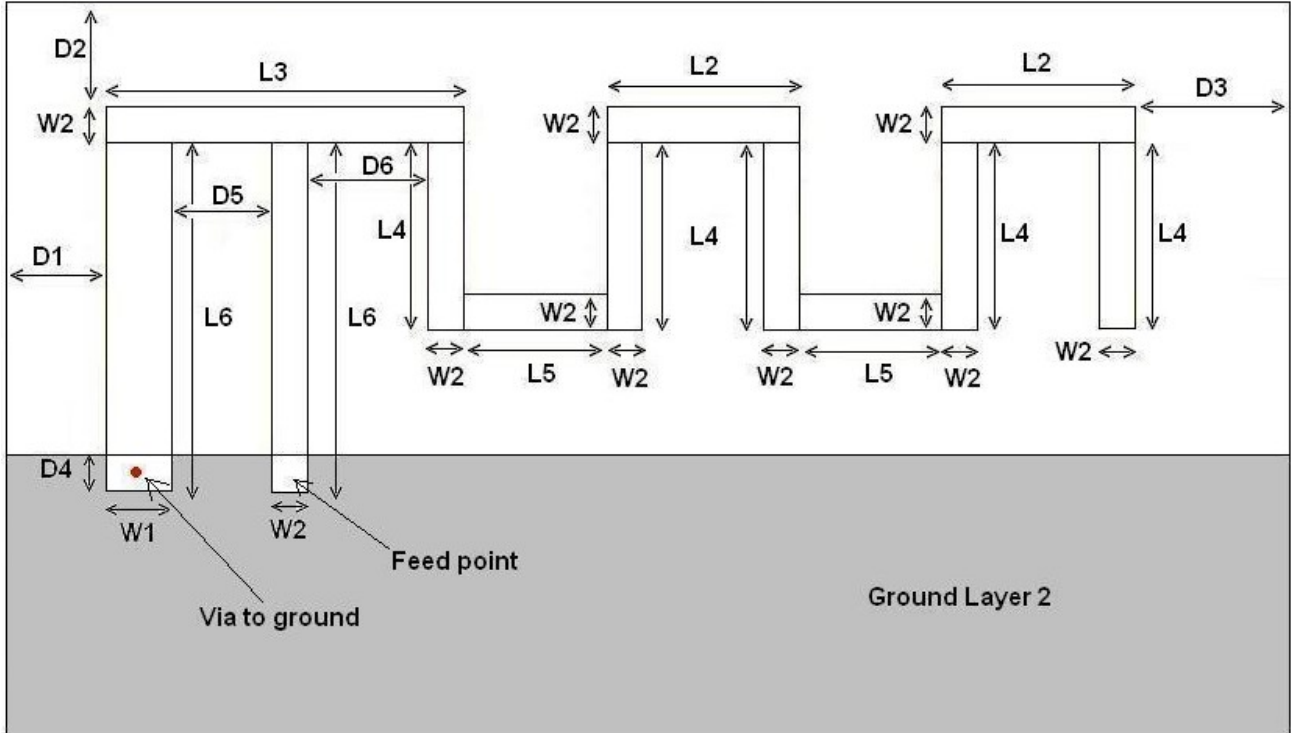


Figure 1: Antenna Dimensions

L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

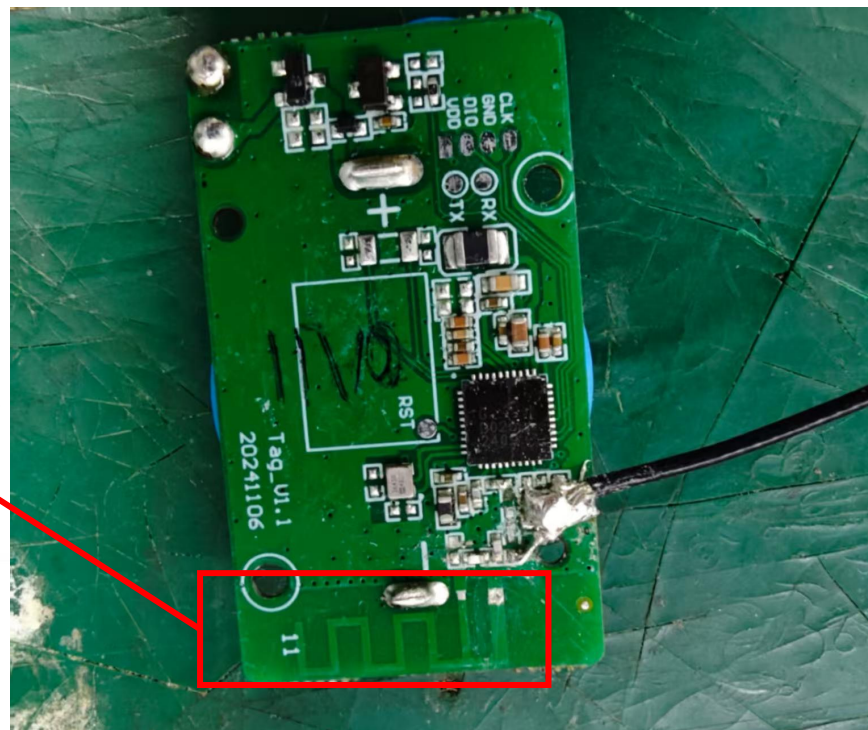
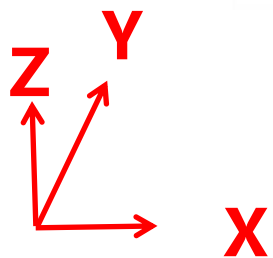


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1. Device Profile

BT Antenna



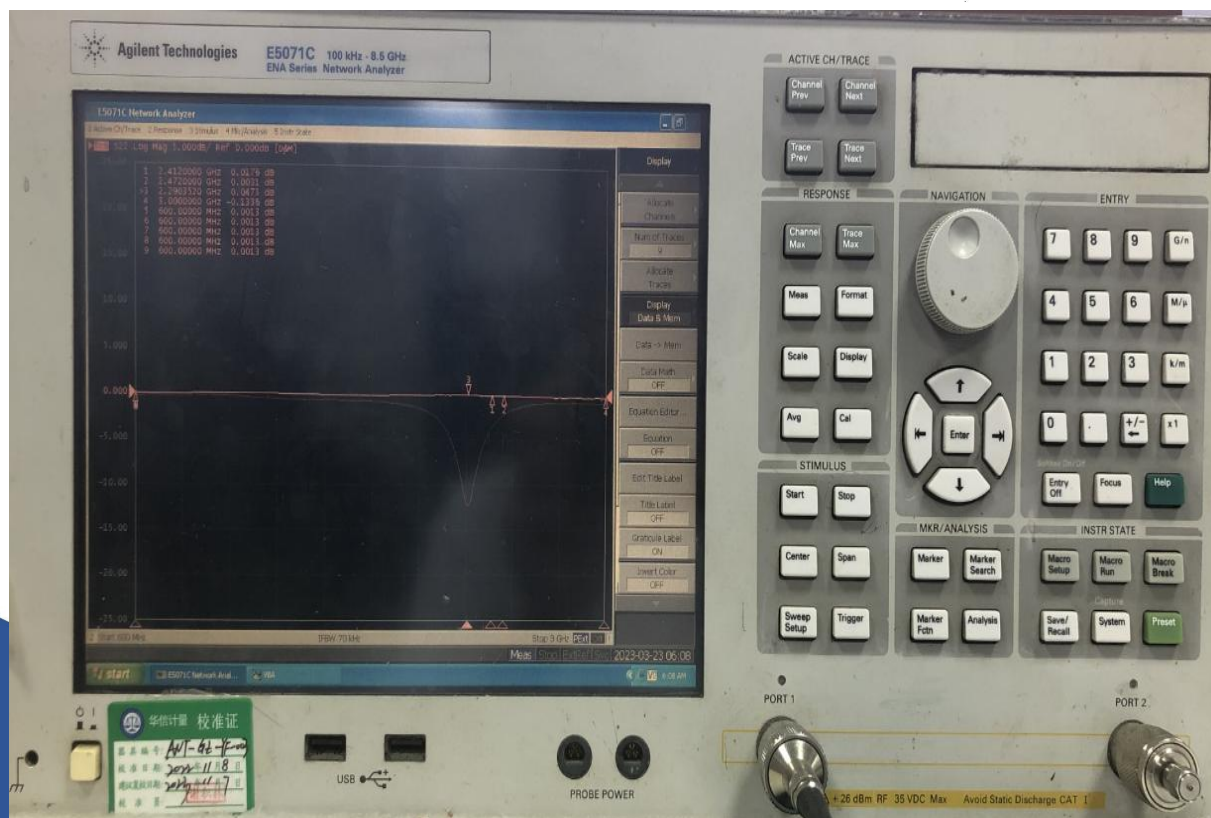


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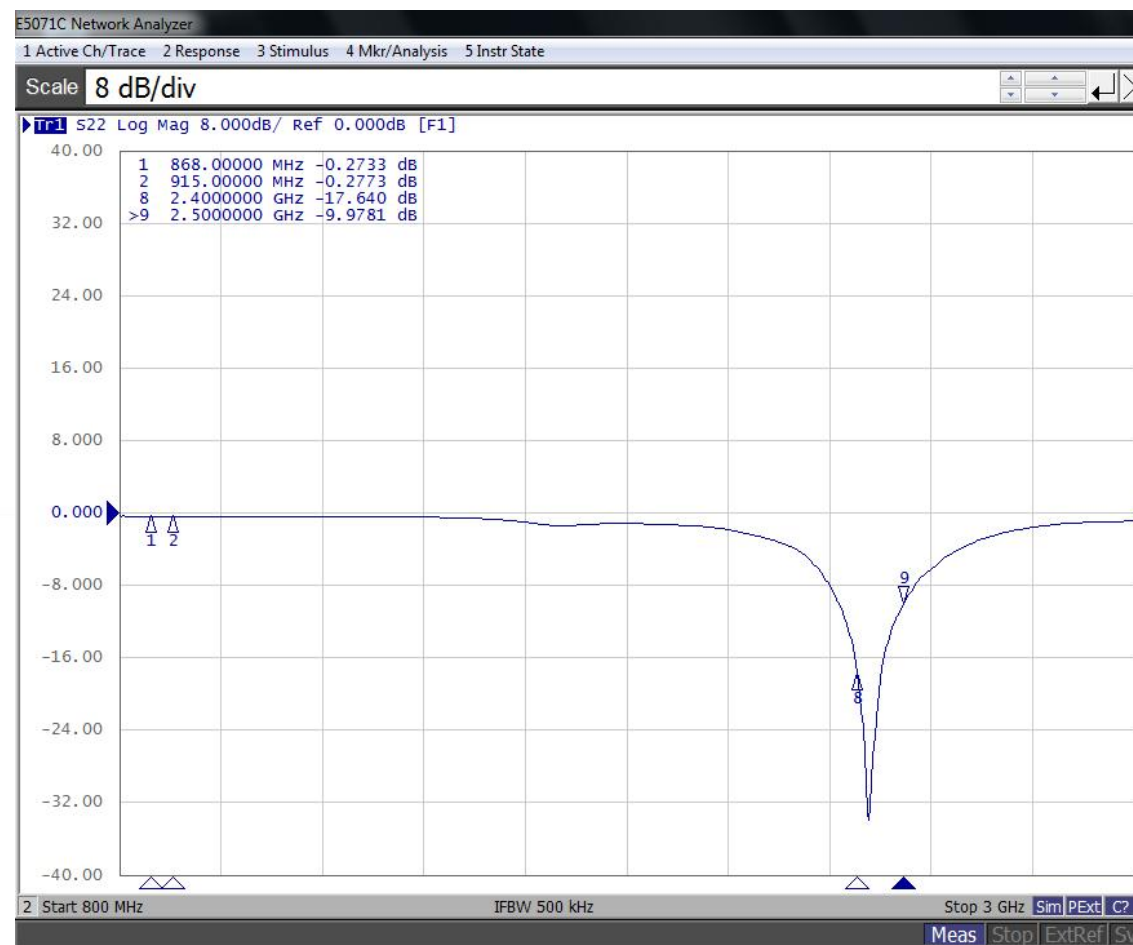
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2. BT Test

Agilent E5071C



S-Parameter Test

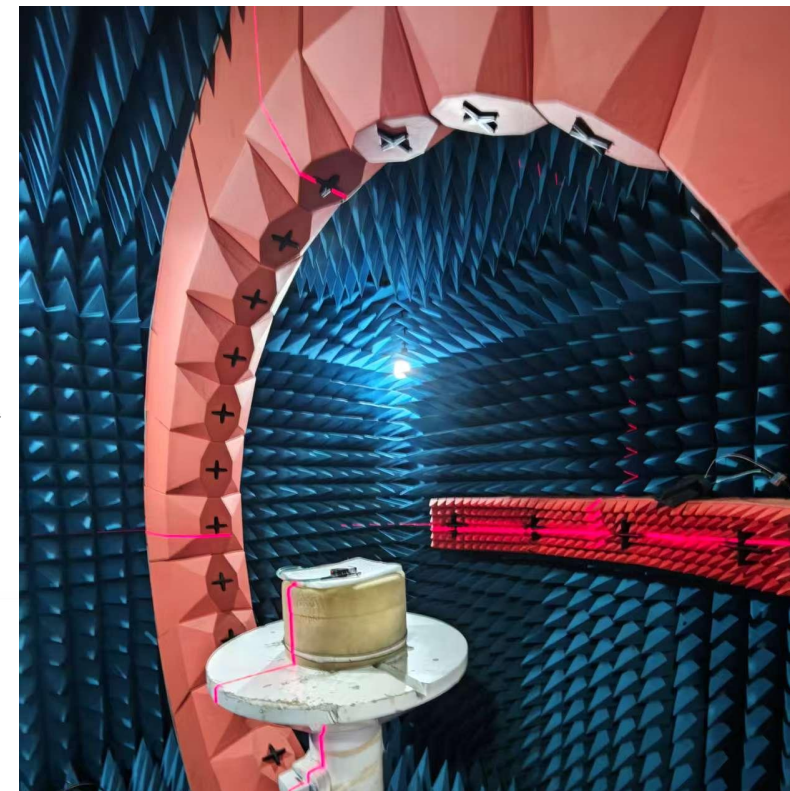
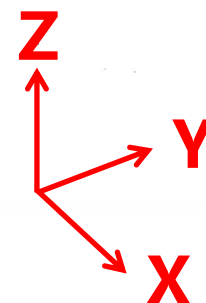
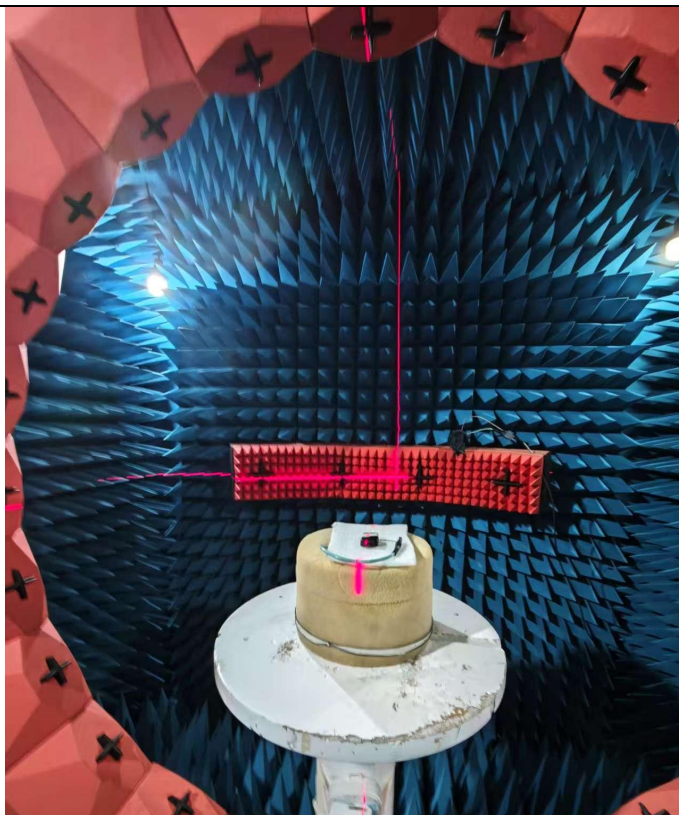
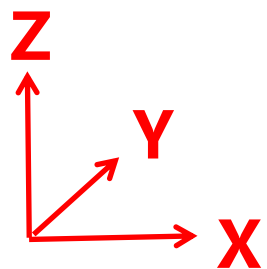




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Antenna Passive Test





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Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-3.38	45.92	5.35
2410	-3.52	44.46	3.98
2420	-3.09	49.09	5.6
2430	-3.46	45.08	4.83
2440	-2.99	50.23	5.55
2450	-3.23	47.53	5.36
2460	-3.08	49.2	5.31
2470	-3.37	46.03	5.53
2480	-3.47	44.98	4.71
2490	-3.19	47.97	5.38
2500	-3.58	43.85	4.57

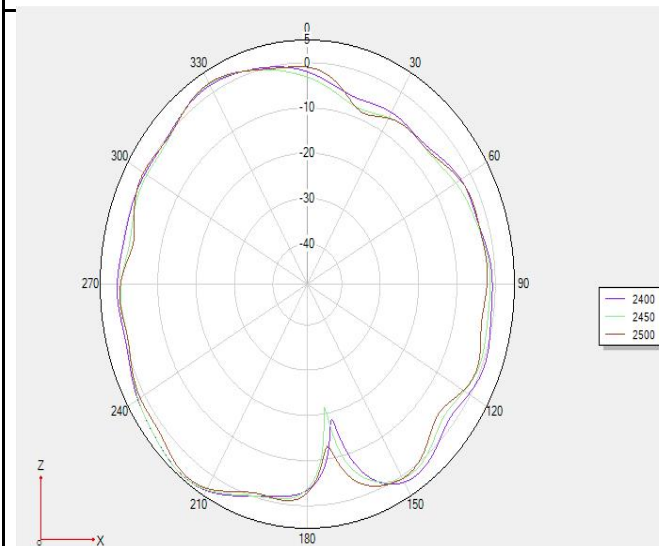


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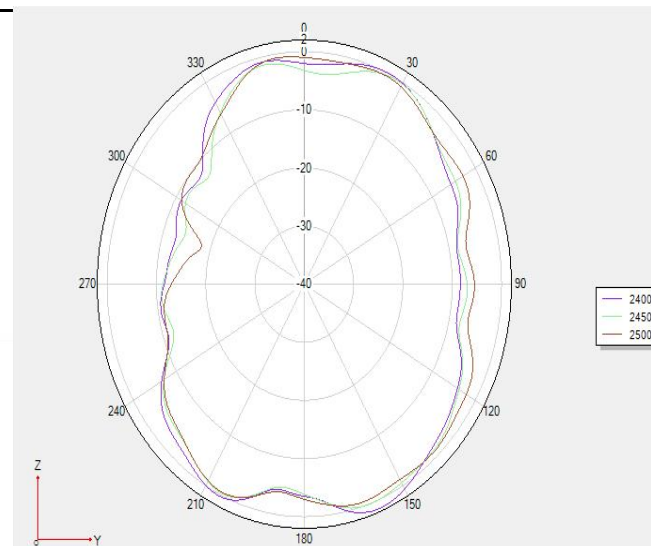
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2D-Etotal (2400/2450/2500Mhz)

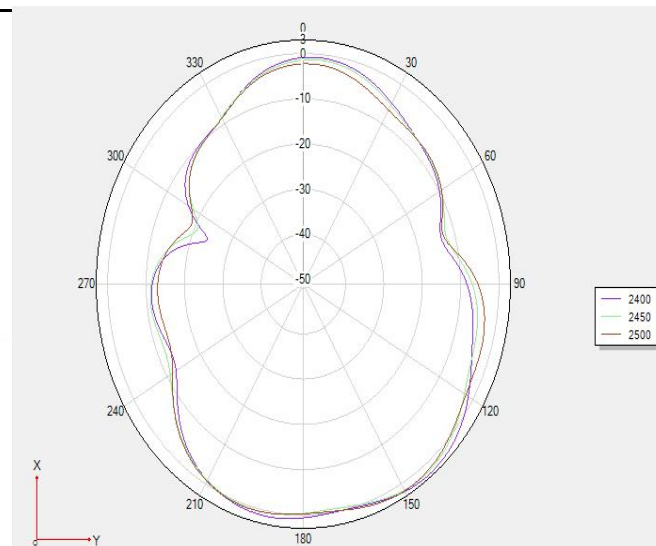
Phi 0 2D



Phi 90 2D



Theta 90 2D

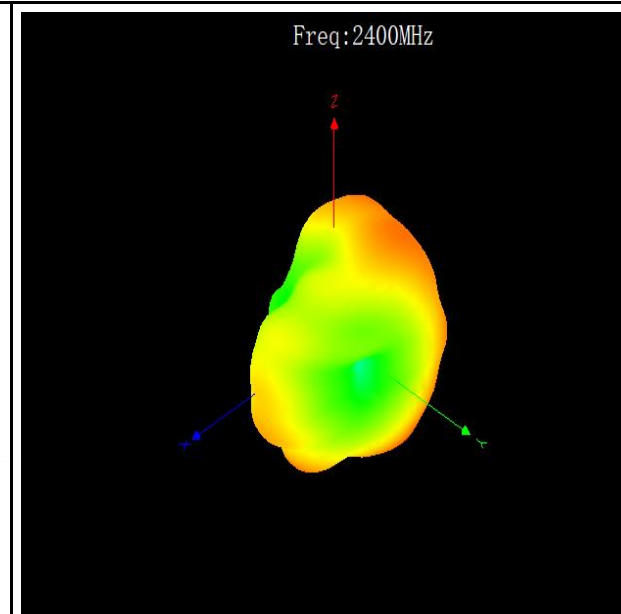
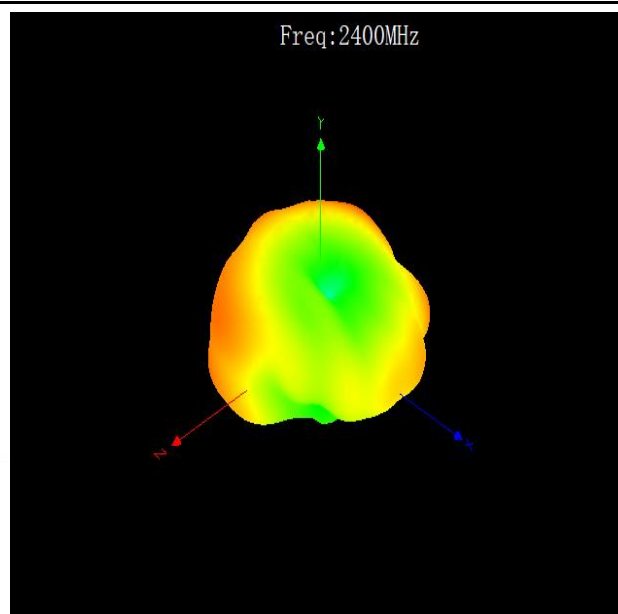
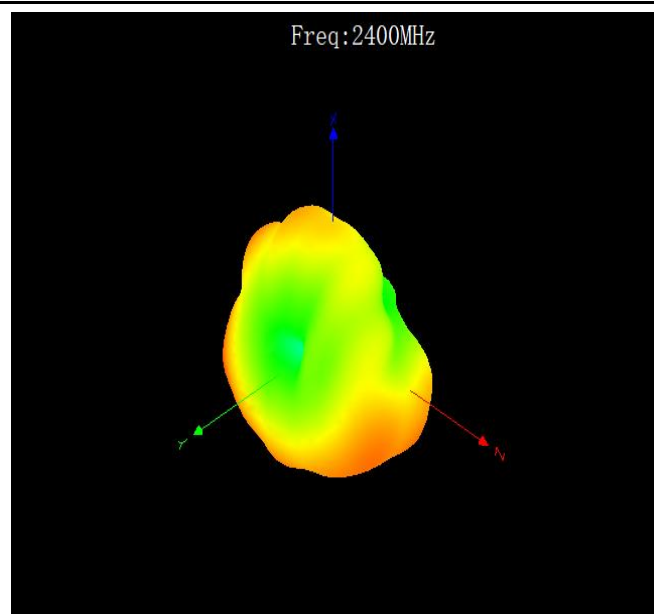




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3D-Etotal (2400Mhz)

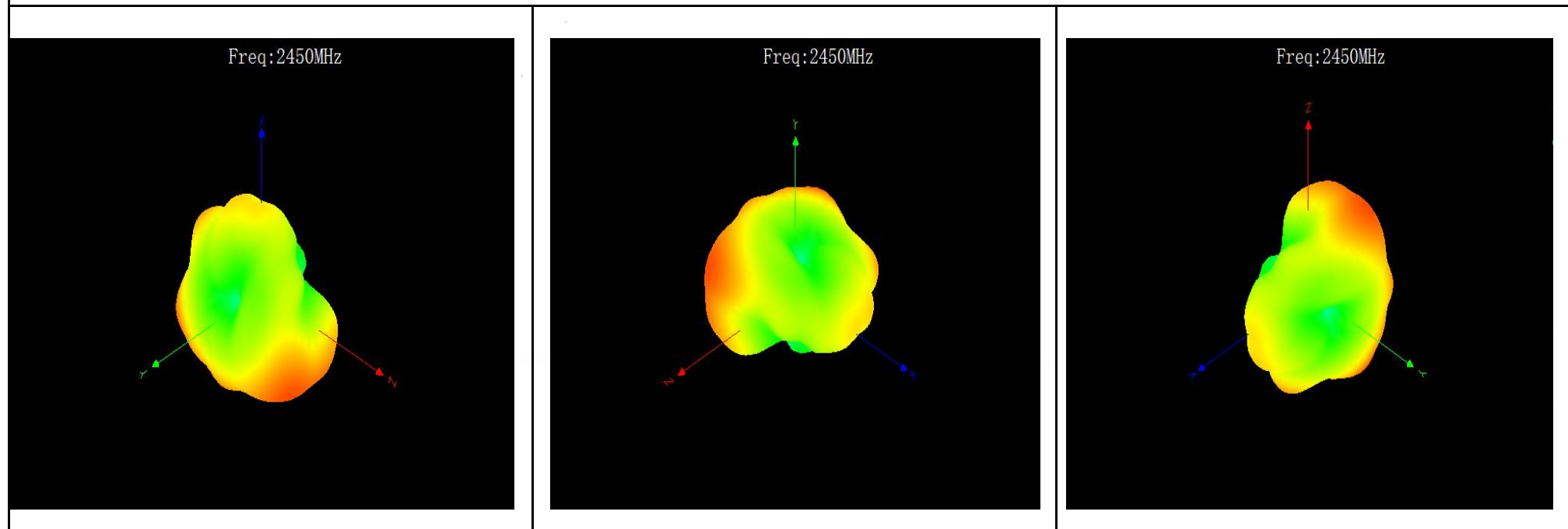




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3D-Etotal (2450Mhz)

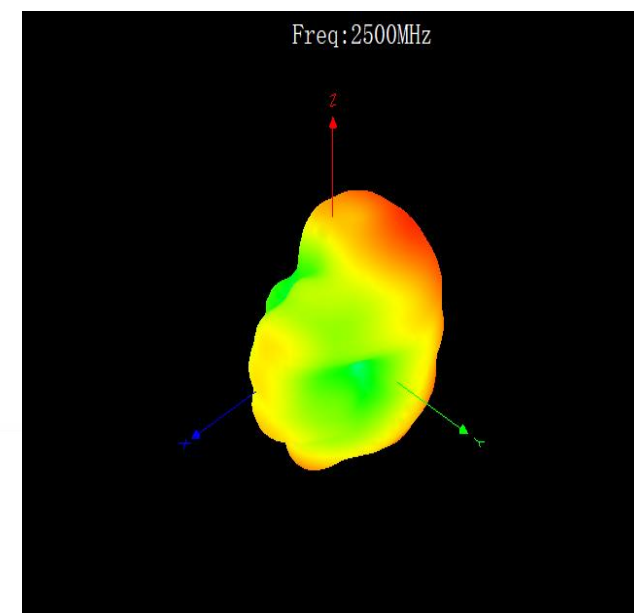
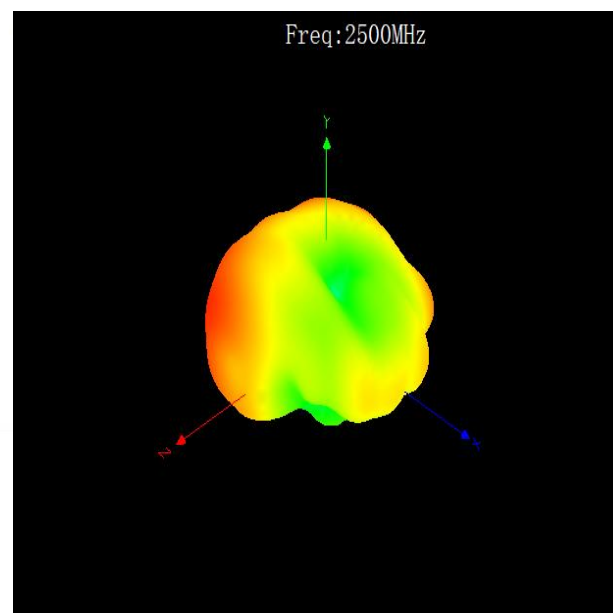
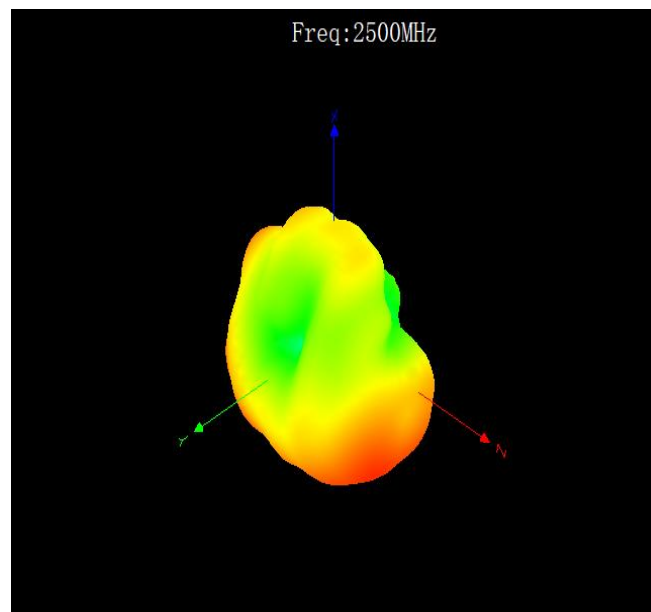




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3D-Etotal (2500Mhz)





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ANT Communication Technology (Shenzhen) Co., LTD.



THANK YOU!