



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

LW013 TECHNOLOGY LTD

Antenna Test Report

ANT Communication Technology (Shenzhen) Co., LTD.

address : 701, Building A, No. 10, Jiangfu Road,

Xinzhuang Community,

MatianStreet, Guangming District, Shenzhen

M/N : LW013

Tester : Hu Lin
Date : 2025 / 07/ 02



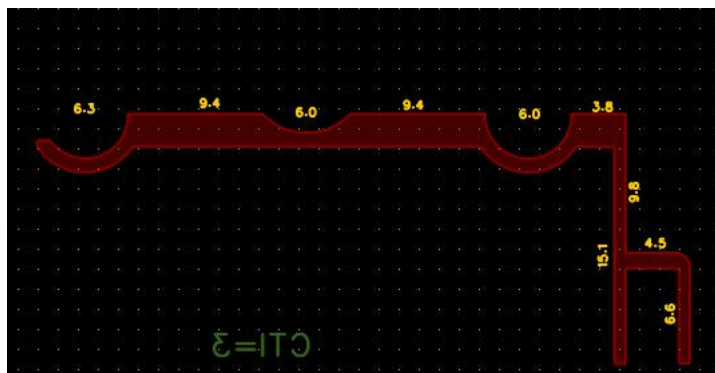
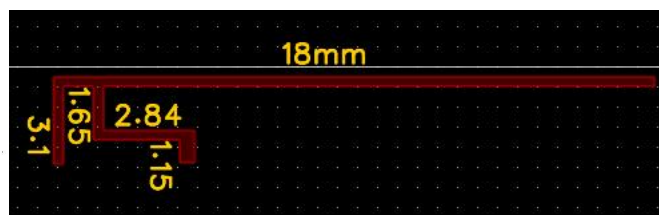
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ANT Communication Technology (Shenzhen) Co., LTD.

1. Device Profile

2. BT Test

3. LORA Test





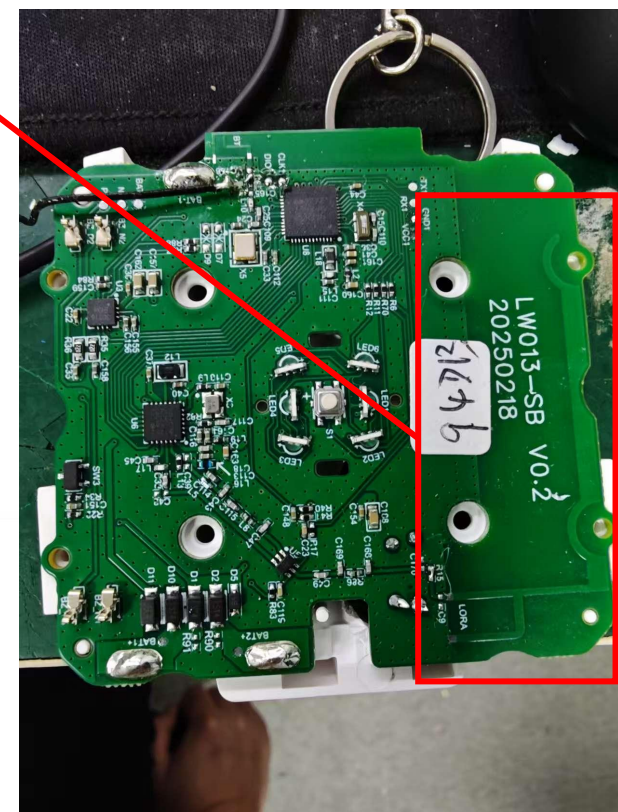
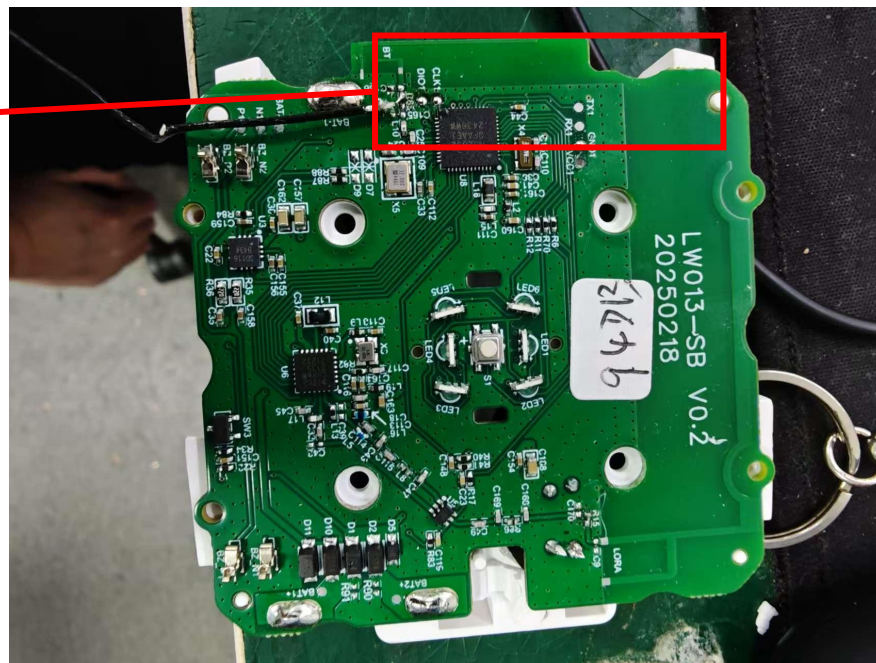
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1. Device Profile

LORA Antenna

BT Antenna



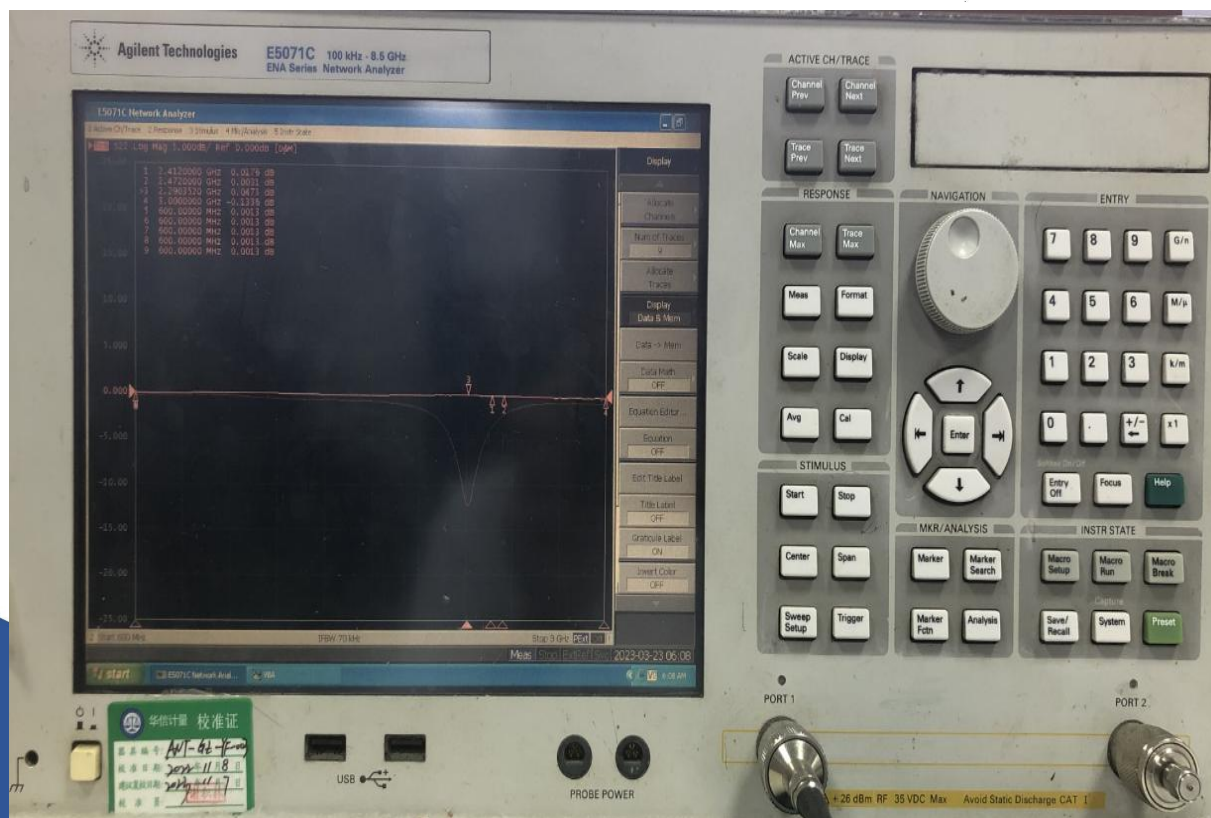


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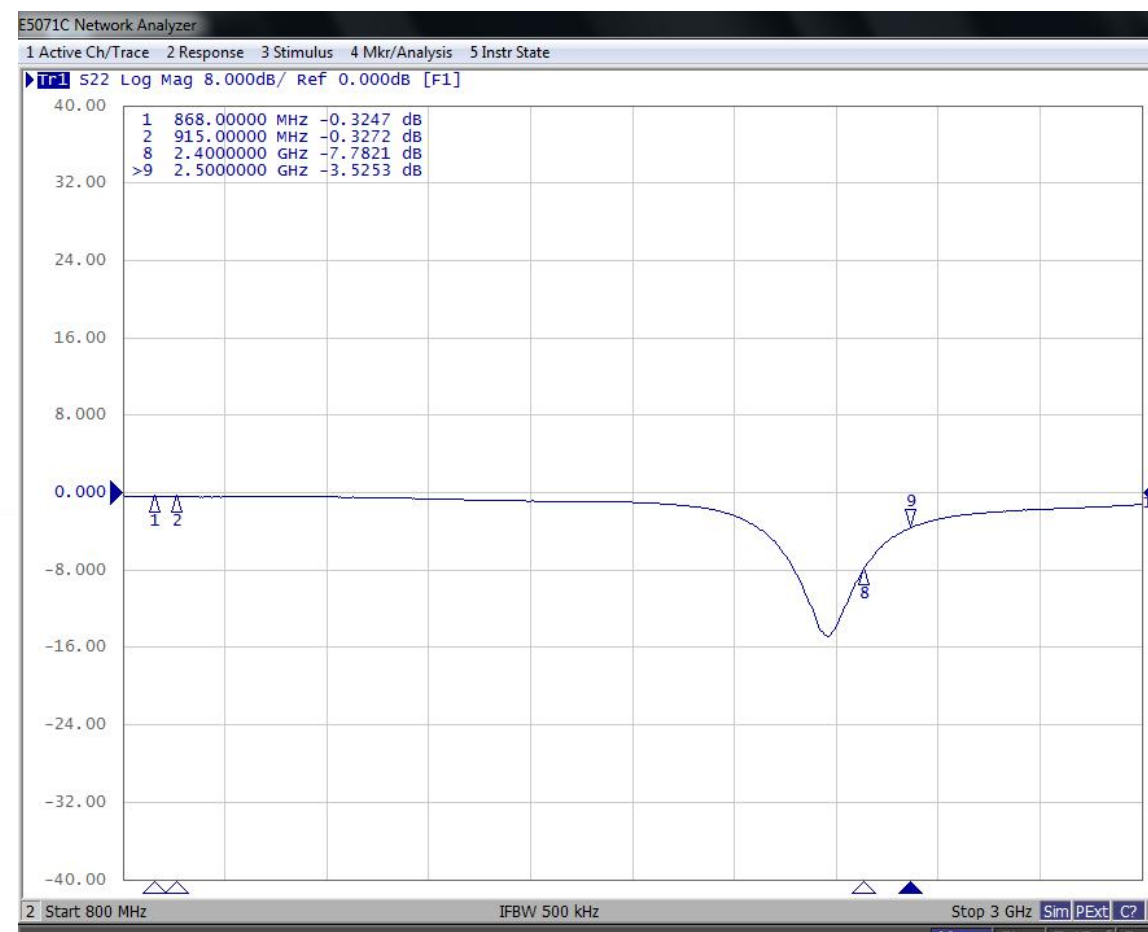
ANT Communication Technology (Shenzhen) Co., LTD.

2. BT Test

Agilent E5071C



S-Parameter Test

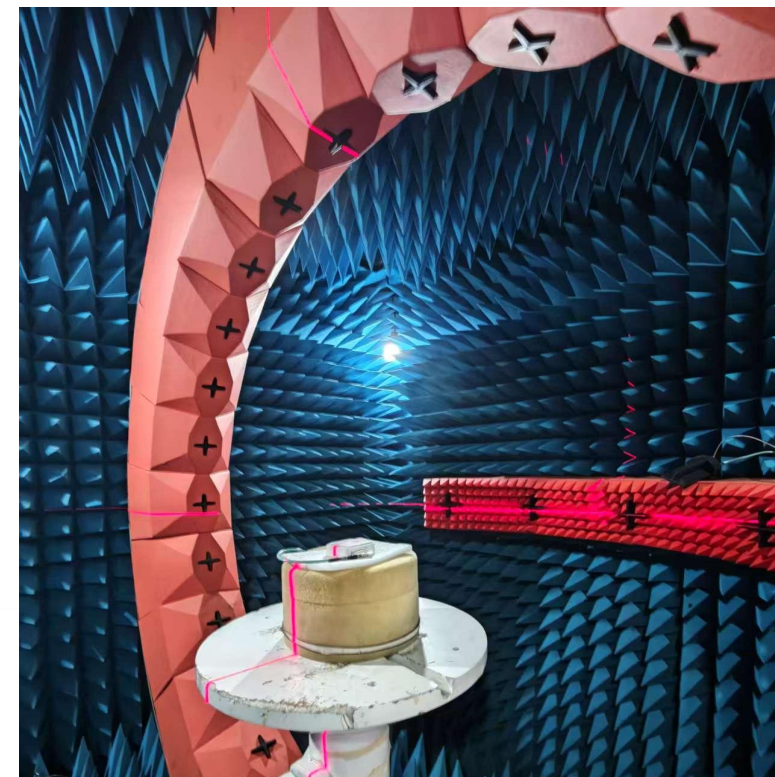
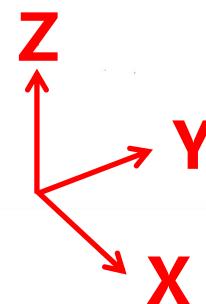
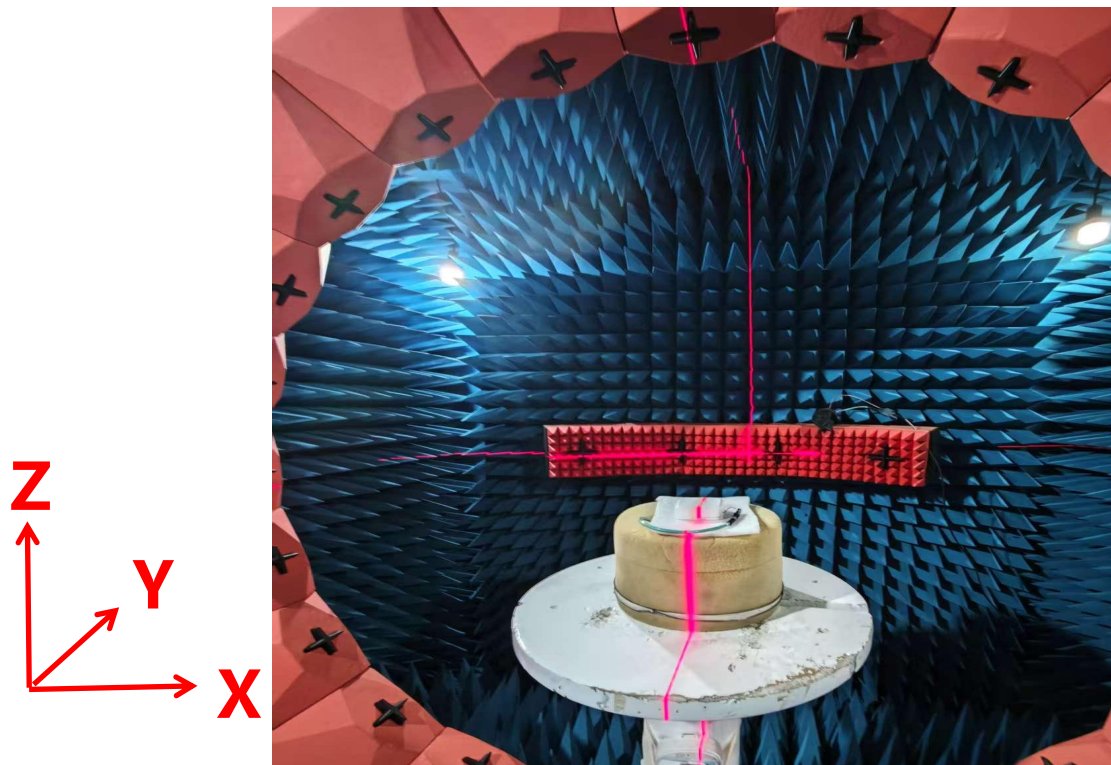




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Antenna Passive Test





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ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-4.85	32.73	4.01
2410	-5.91	25.64	2.26
2420	-4.98	31.77	3.55
2430	-6.17	24.15	2.24
2440	-5.3	29.51	2.81
2450	-5.98	25.23	2.26
2460	-5.74	26.67	1.87
2470	-6.52	22.28	1.95
2480	-6.43	22.75	1.11
2490	-6.71	21.33	1.73
2500	-6.69	21.43	1.04

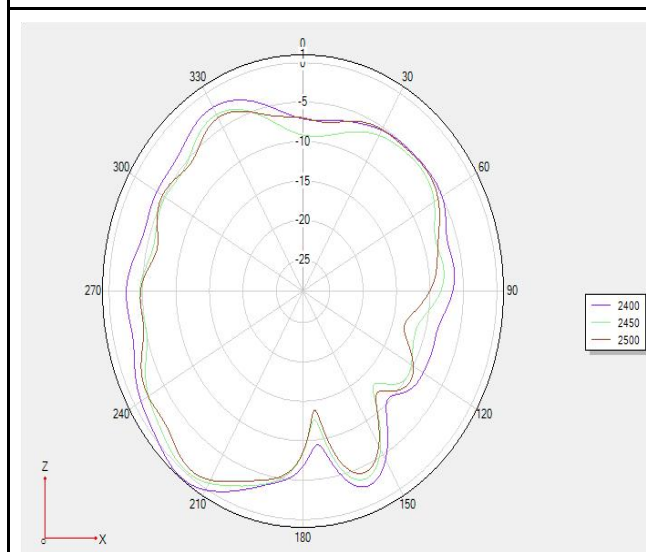


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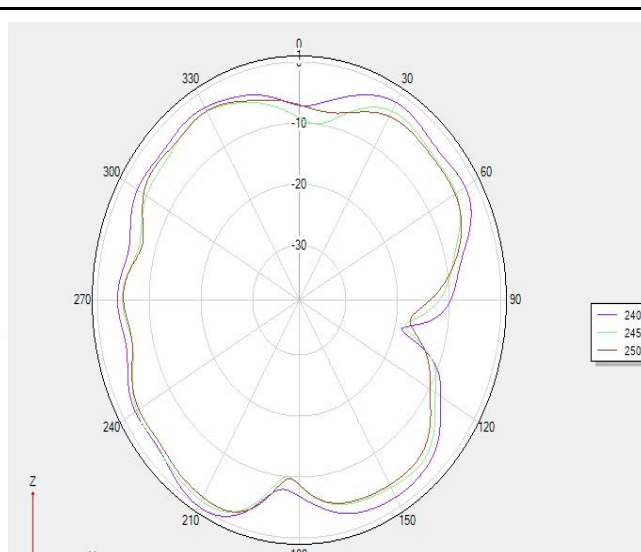
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2D-Etotal (2400/2450/2500Mhz)

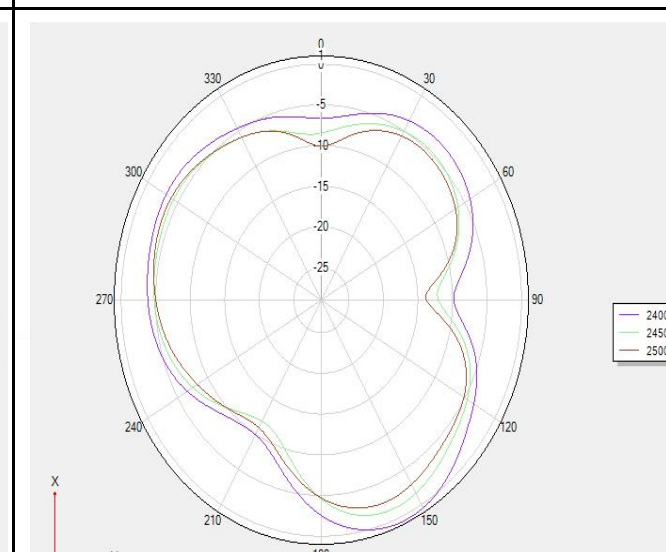
Phi 0 2D



Phi 90 2D



Theta 90 2D

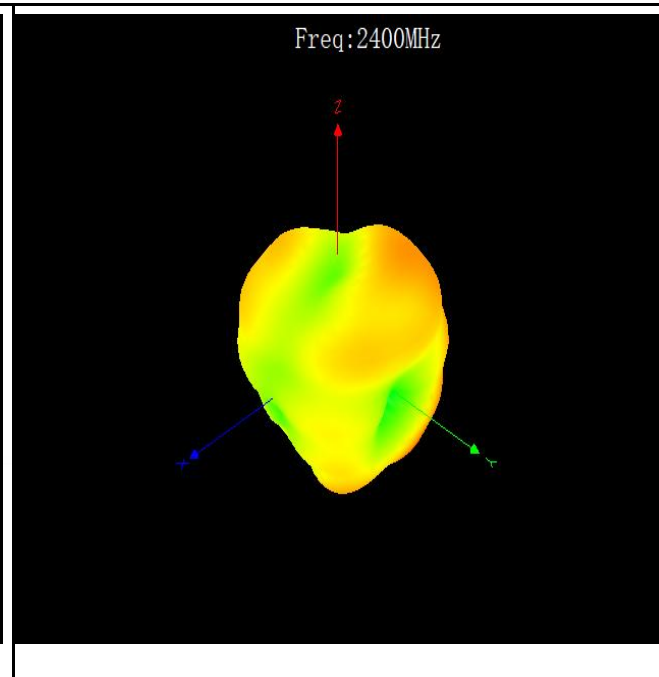
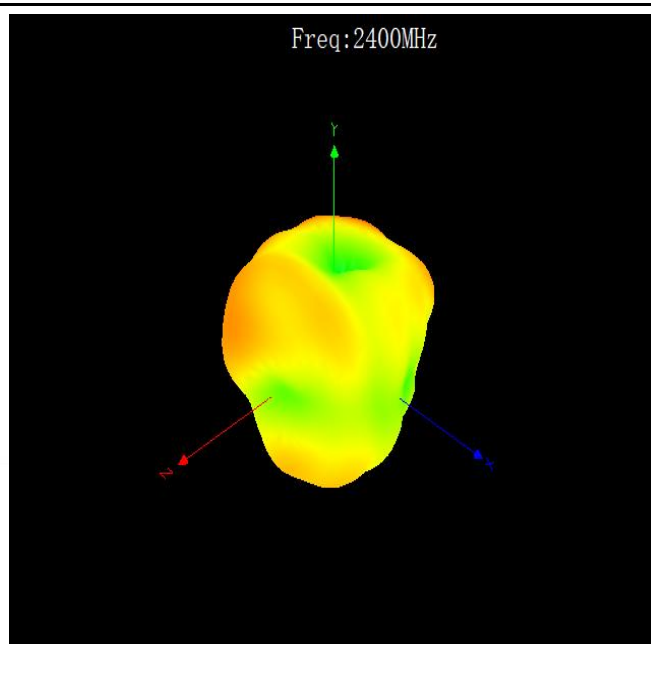
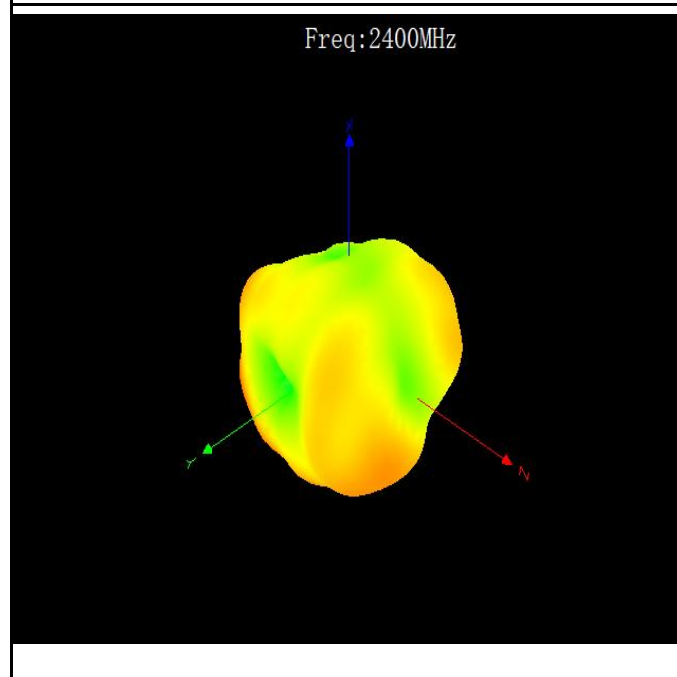




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3D-Etotal (2400Mhz)

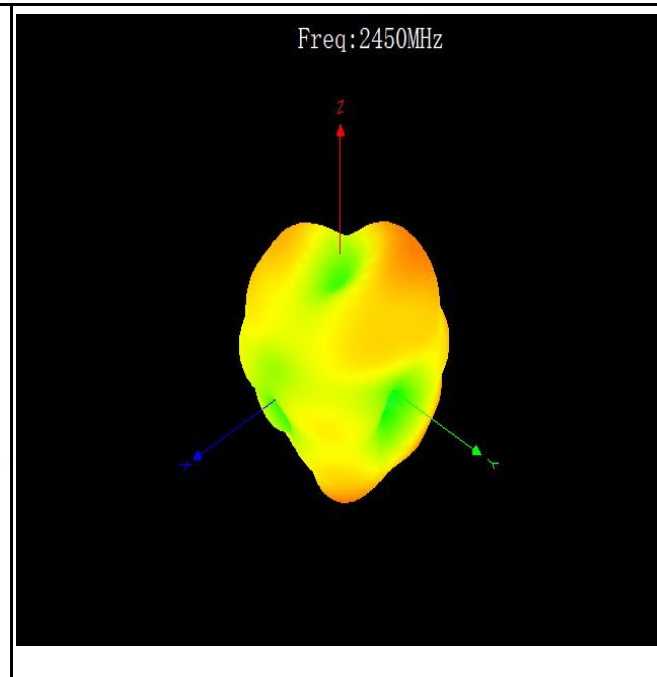
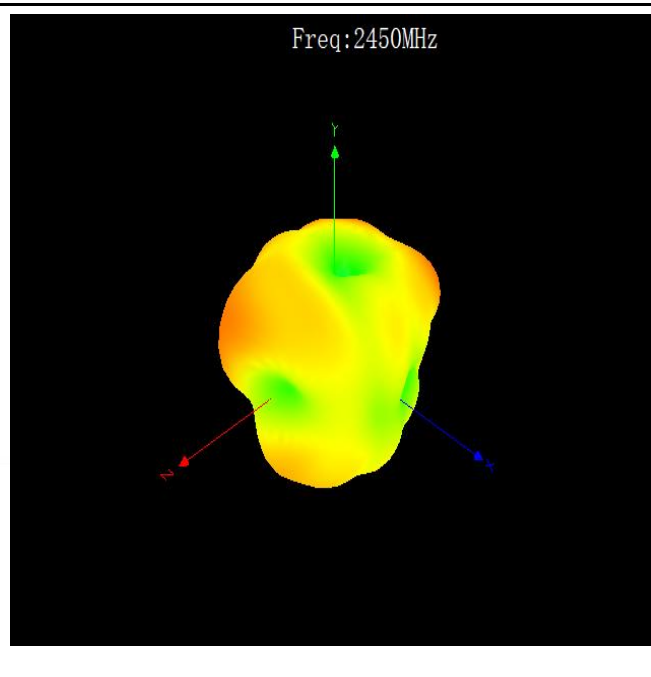
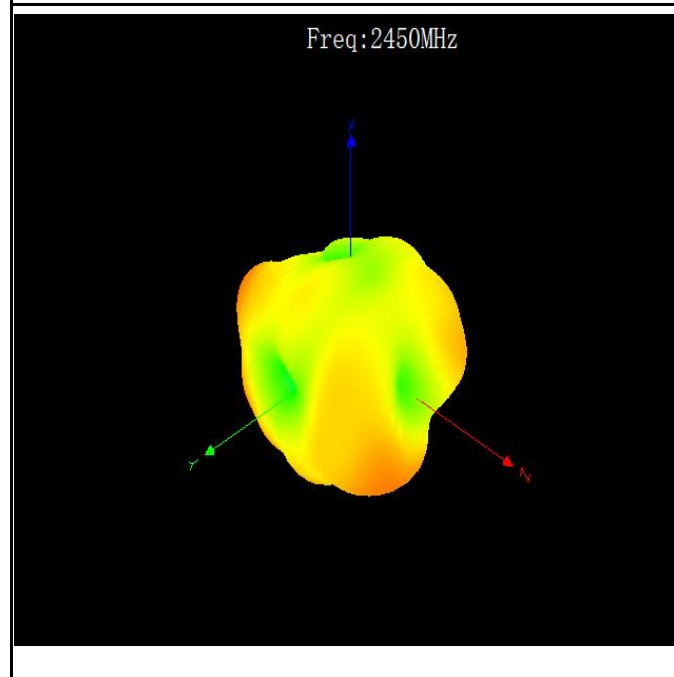




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3D-Etotal (2450Mhz)

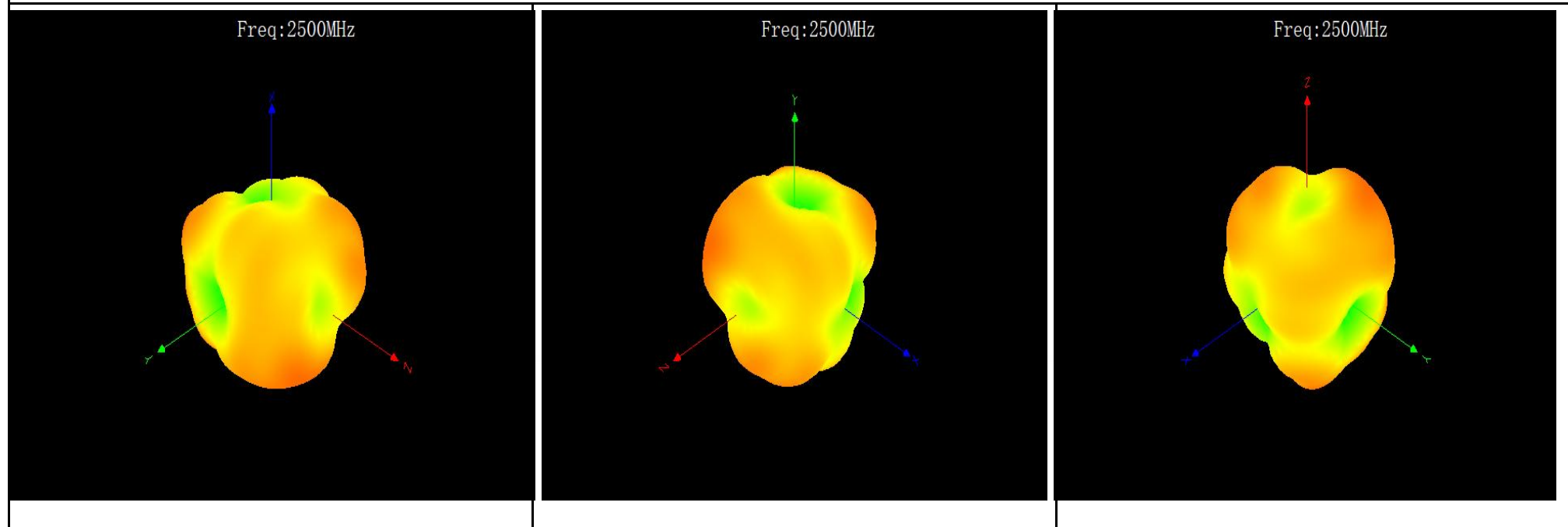




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2500Mhz)



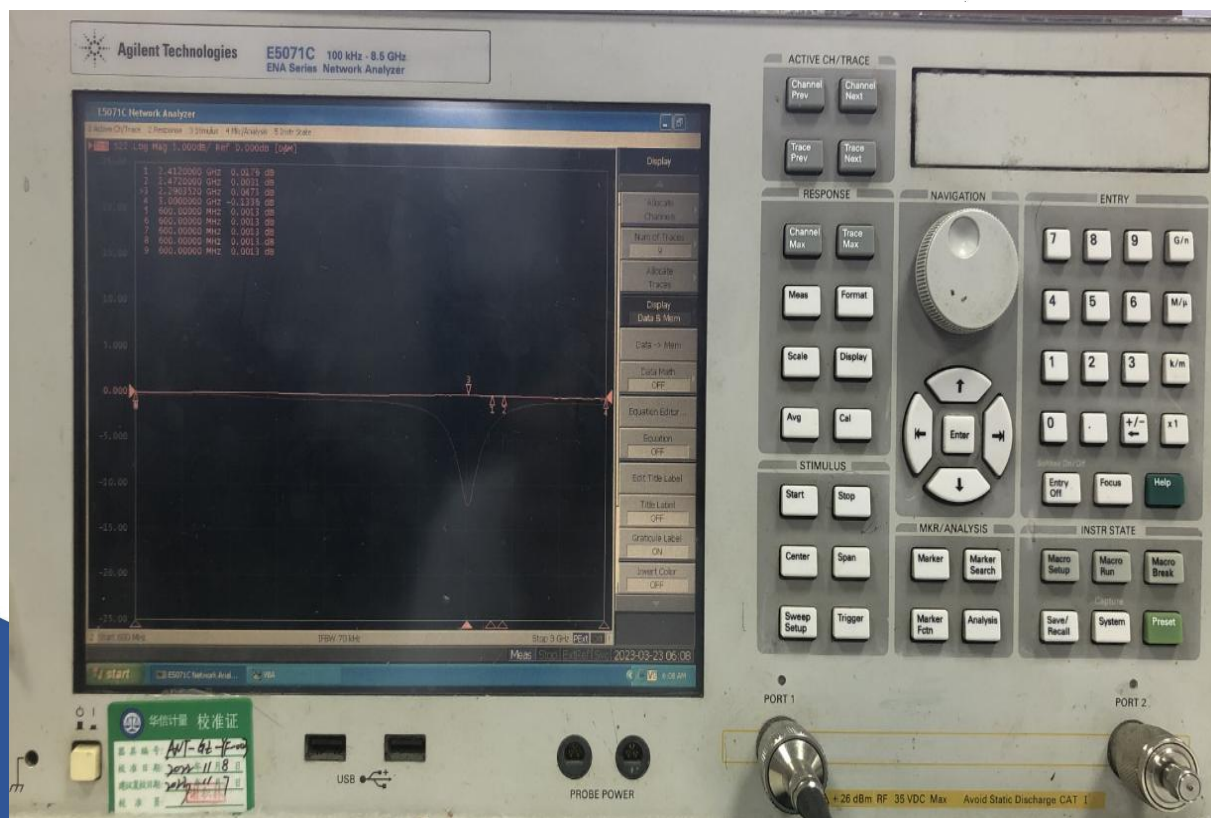


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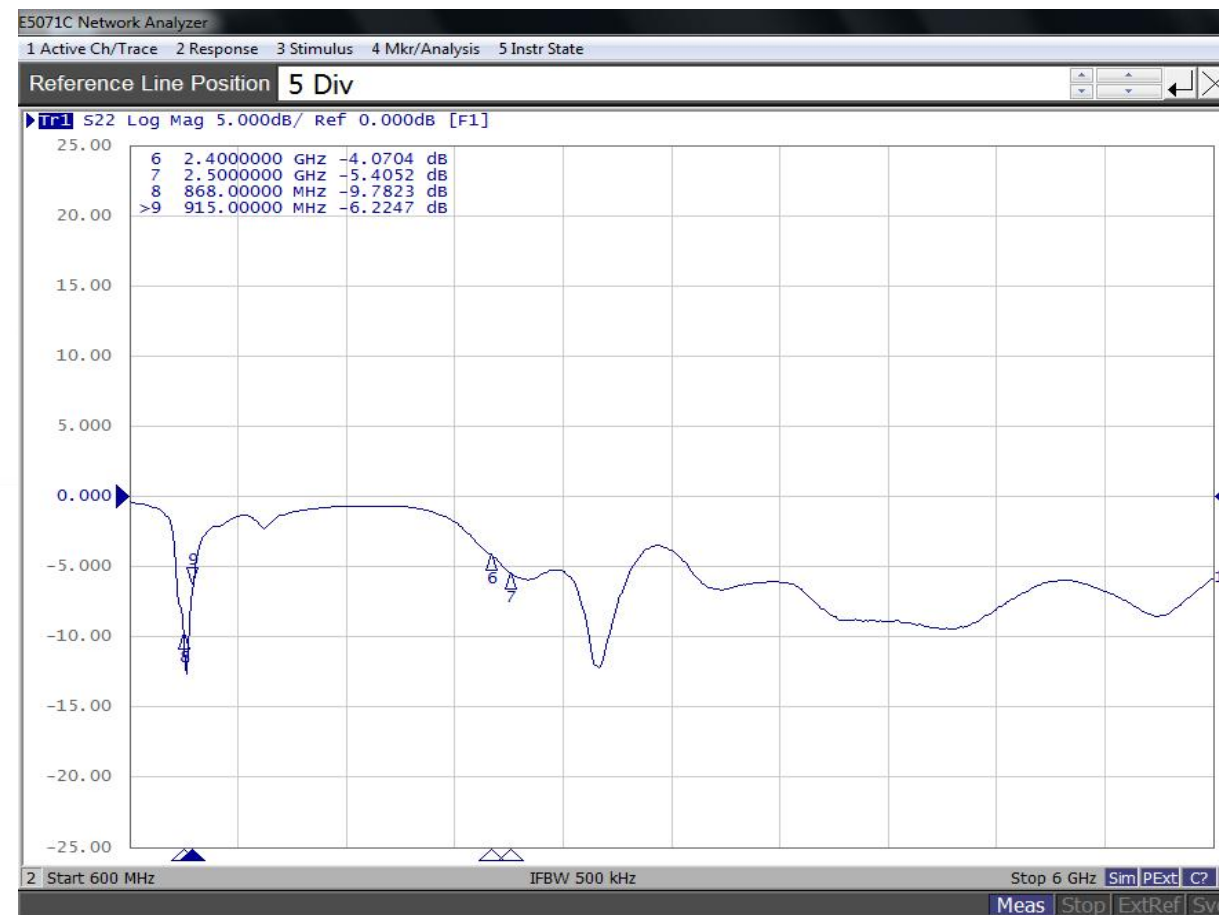
ANT Communication Technology (Shenzhen) Co., LTD.

2. LORA Test

Agilent E5071C



S-Parameter Test

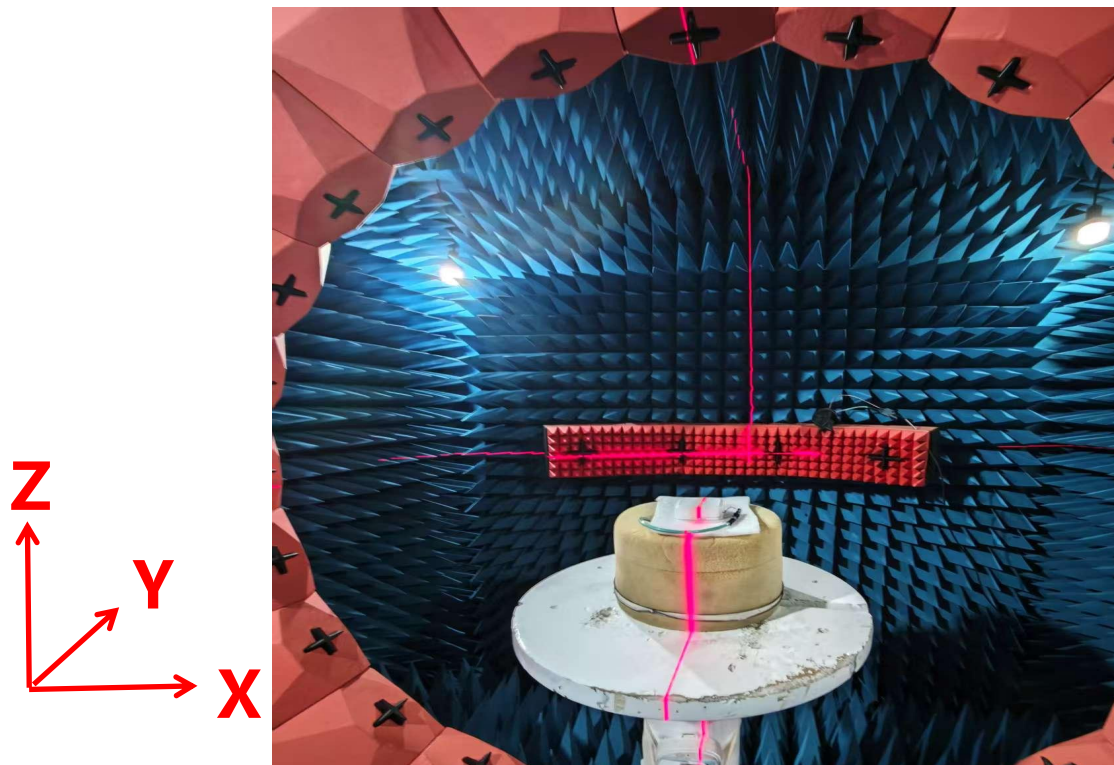




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ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Passive Test





深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
850	-5.95	25.41	-0.91
860	-5.36	29.11	-1.04
870	-4.87	32.58	-1.84
880	-4.21	37.93	-1.82
890	-4.33	36.9	-1.84
900	-4.89	32.43	-2.07
910	-5.11	30.83	-2.42
920	-6.02	25	-3.09
930	-6.16	24.21	-2.93

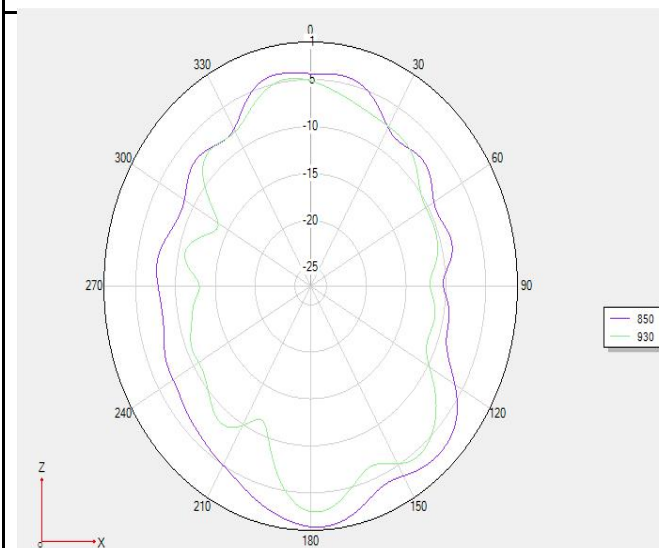


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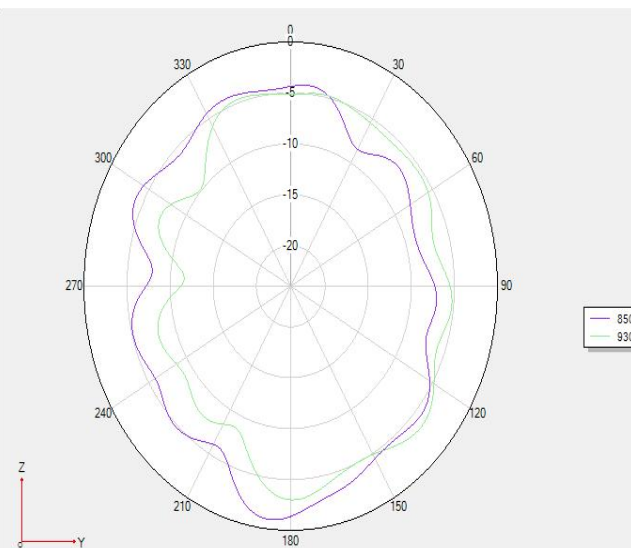
ANT Communication Technology (Shenzhen) Co., LTD.

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

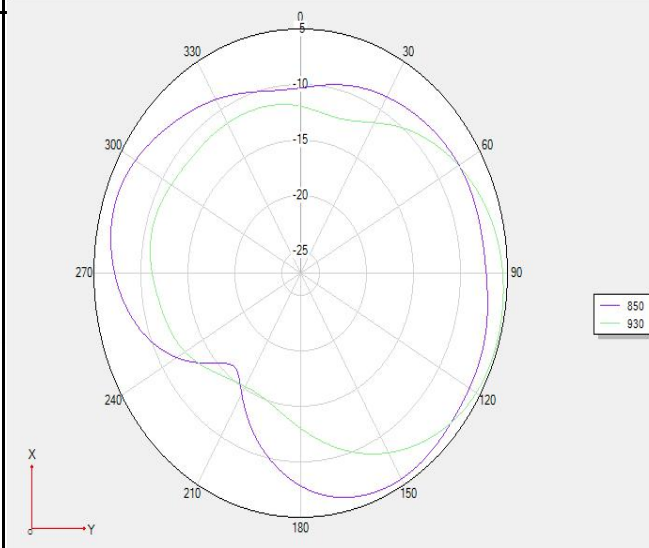
Phi 0 2D



Phi 90 2D



Theta 90 2D

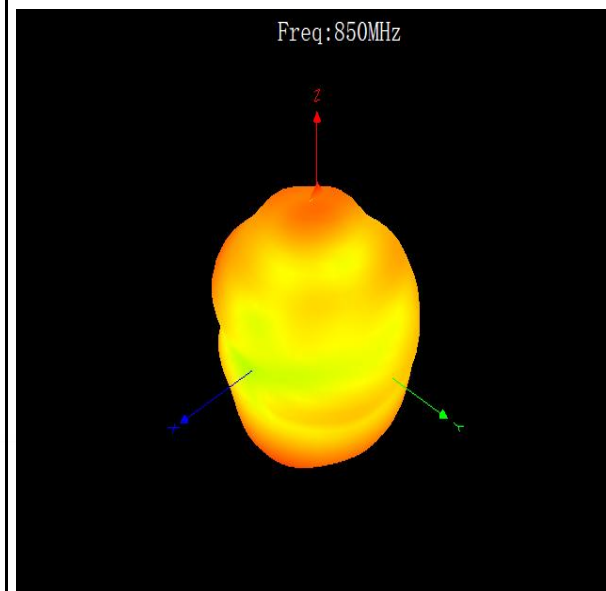
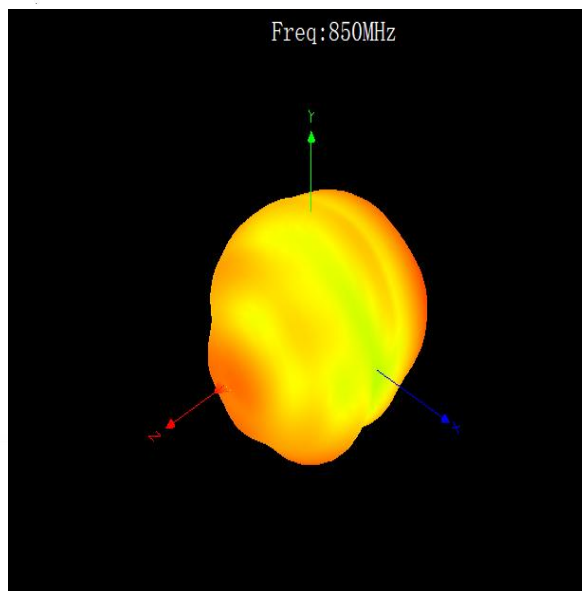
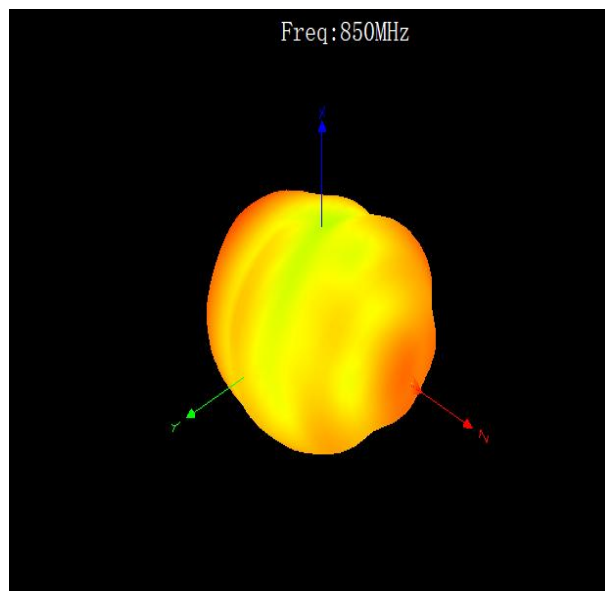




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3D-Etotal (2400Mhz)

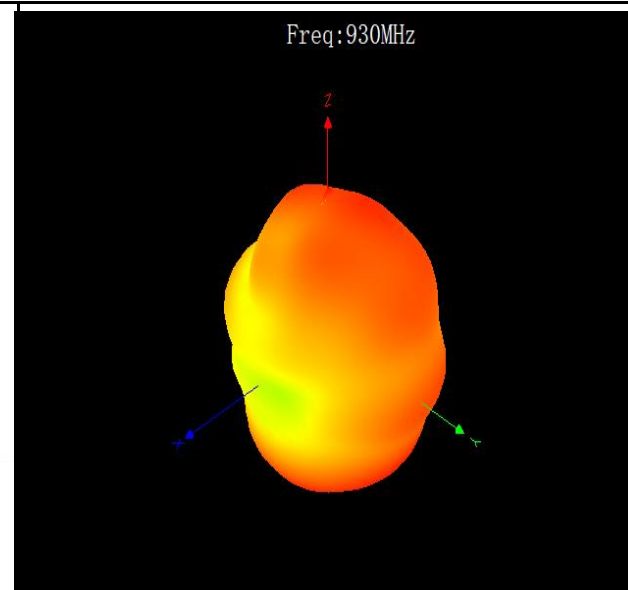
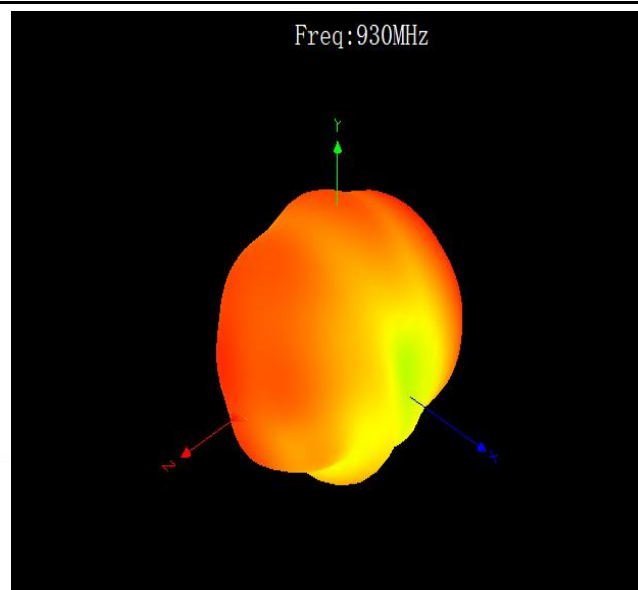
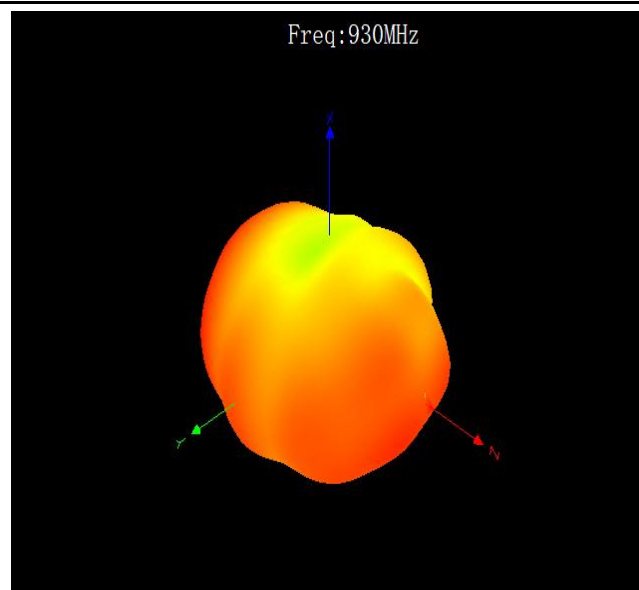




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3D-Etotal (2450Mhz)





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ANT Communication Technology (Shenzhen) Co., LTD.



THANK YOU!