



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

YC002 TECHNOLOGY LTD

Antenna Test Report

Tester : Hu Lin
Date : 2025 / 11 / 25



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ANT Communication Technology (Shenzhen) Co., LTD.

1. Device Profile

2. wifi2.4g Test

3.LORA Tset

4.GPS Test

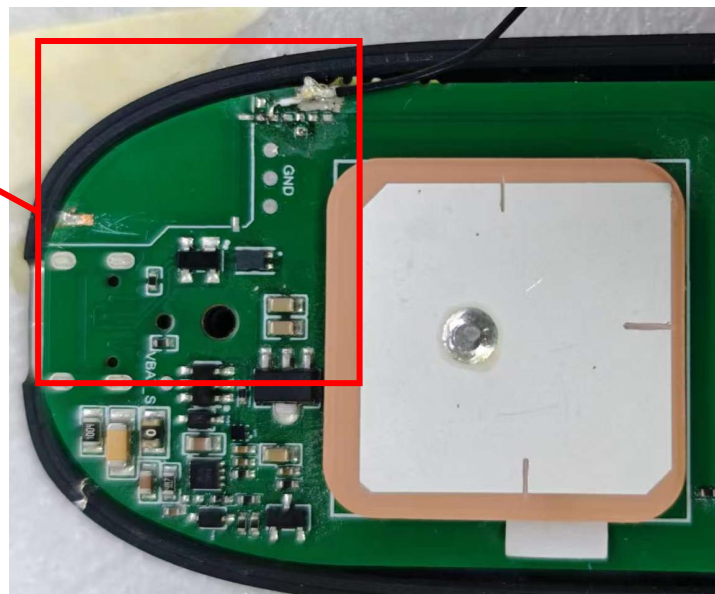


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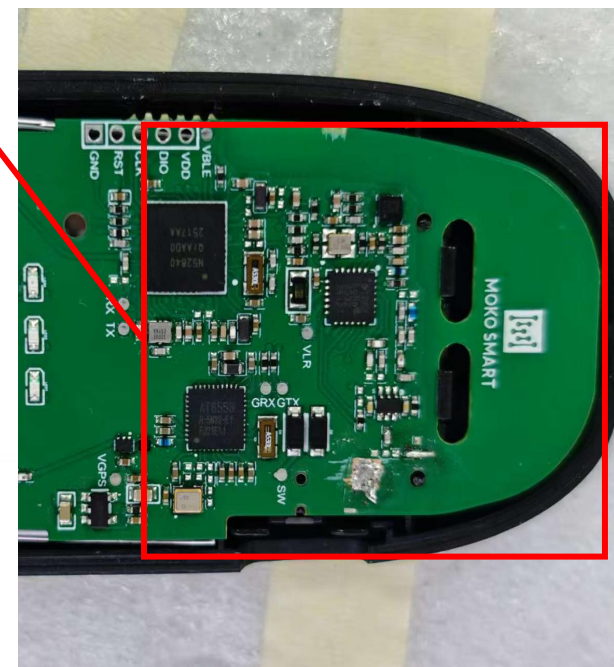
ANT Communication Technology (Shenzhen) Co., LTD.

1. Device Profile

BT2.4g Antenna



LORA Antenna

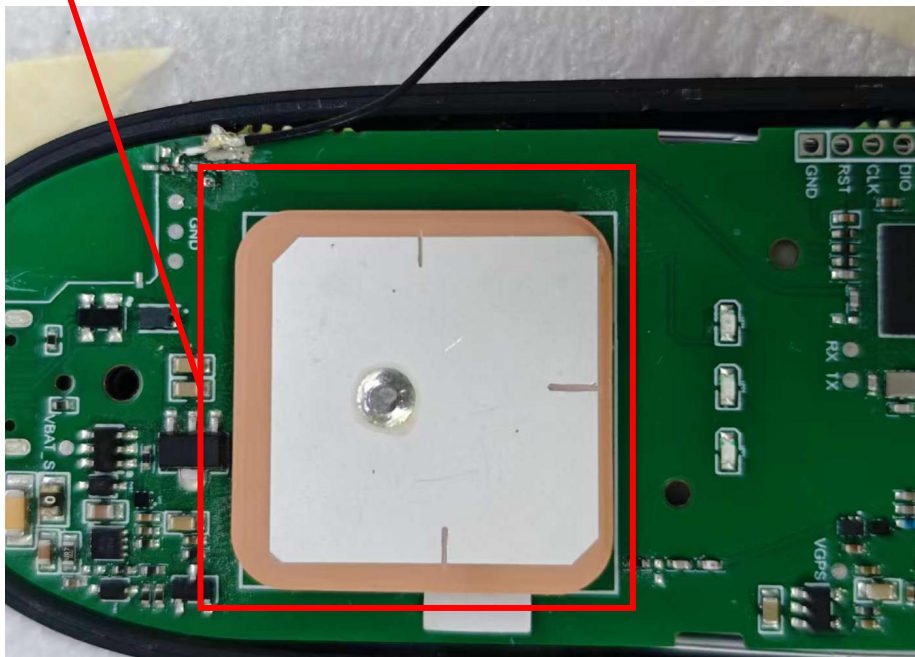




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GPS Antenna



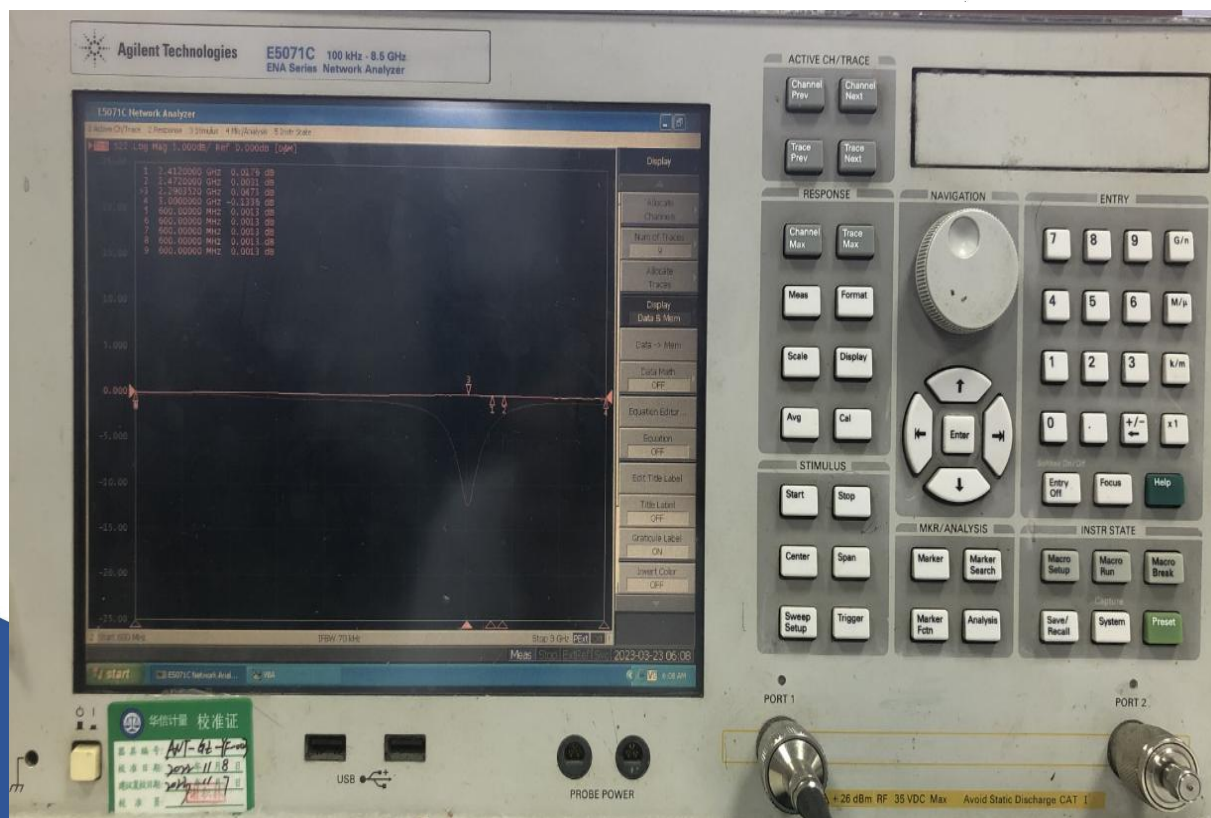


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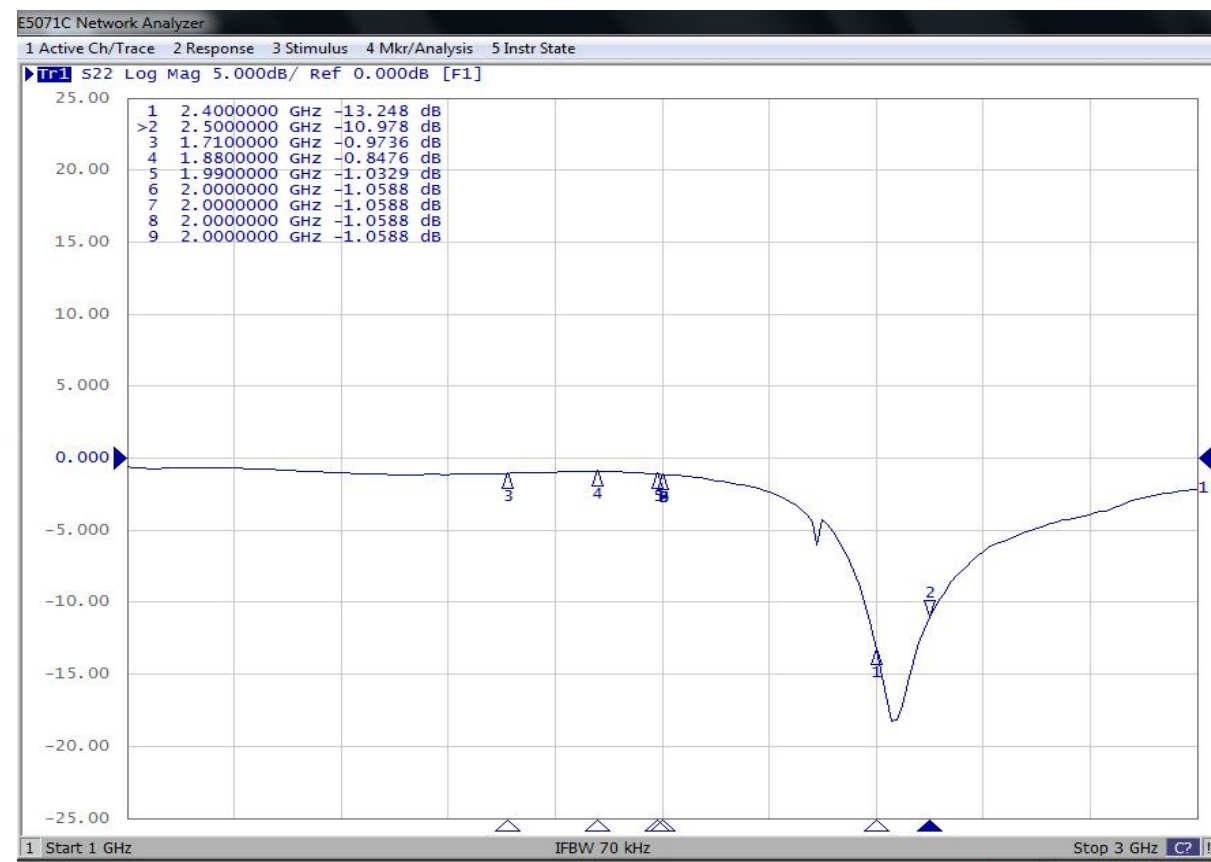
ANT Communication Technology (Shenzhen) Co., LTD.

2. BT2.4g Test

Agilent E5071C



S-Parameter Test

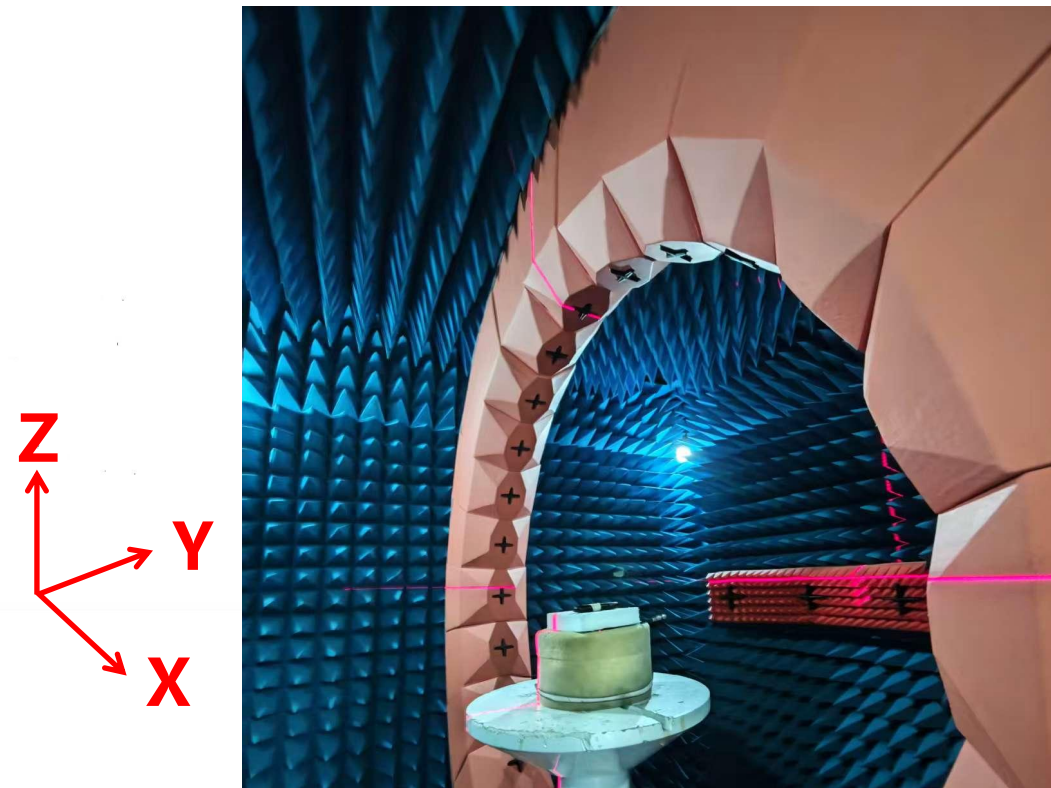
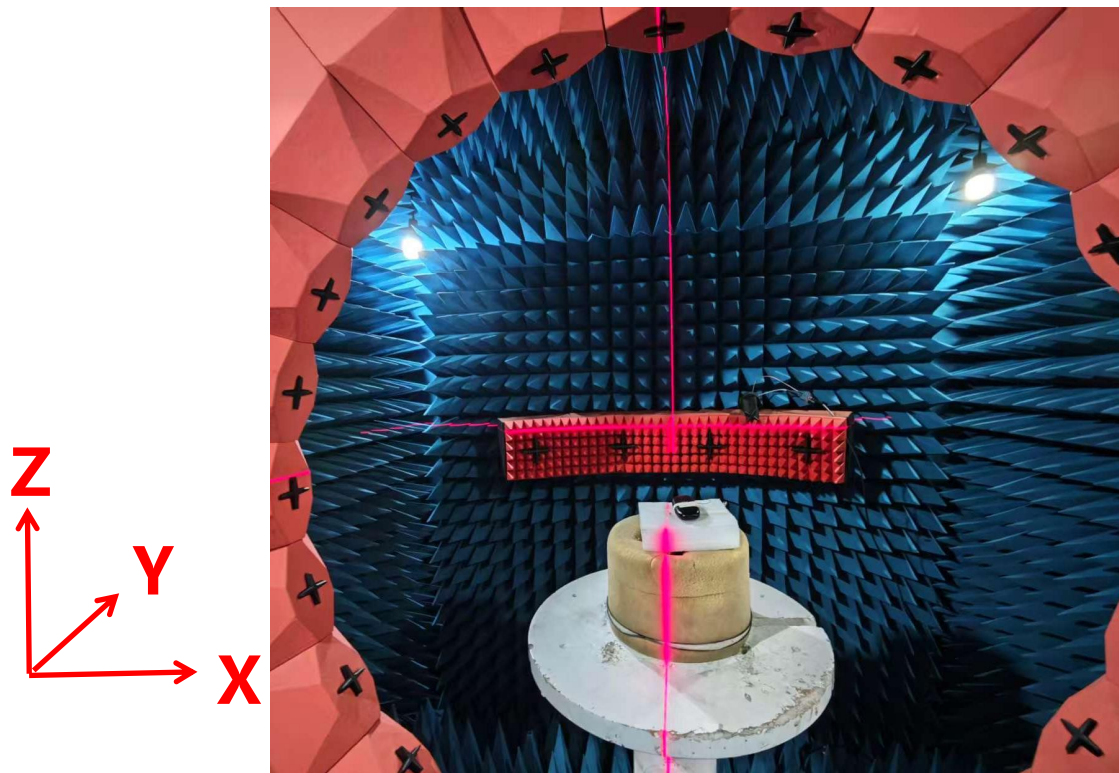




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ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Passive Test





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ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-3.94	40.36	1.65
2410	-3.77	41.98	1.94
2420	-3.74	42.27	2.13
2430	-3.6	43.65	2.22
2440	-3.56	44.06	2.78
2450	-3.48	44.87	2.81
2460	-3.41	45.6	2.68
2470	-3.6	43.65	2.46
2480	-3.58	43.85	2.38
2490	-3.71	42.56	1.99
2500	-3.98	39.99	1.2



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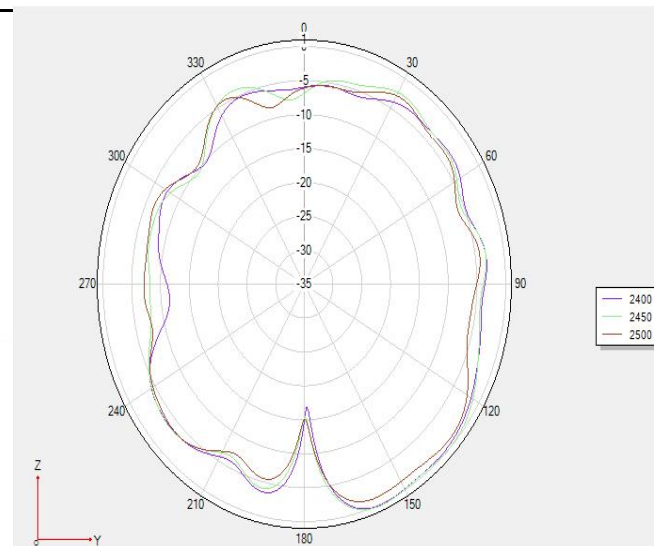
ANT Communication Technology (Shenzhen) Co., LTD.

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

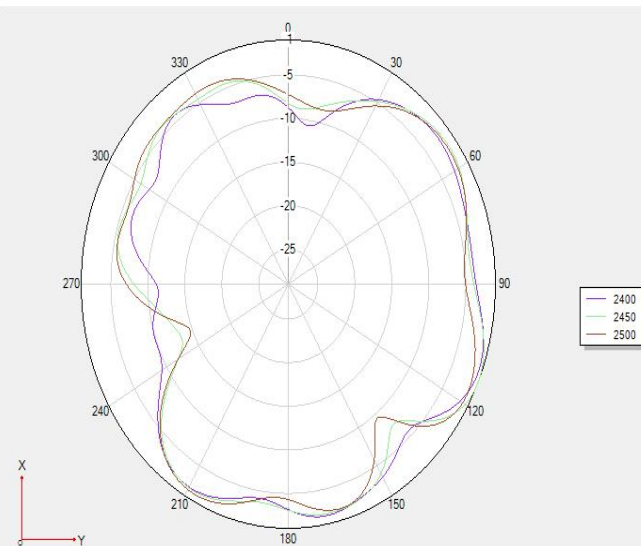
Phi 0 2D



Phi 90 2D



Theta 90 2D

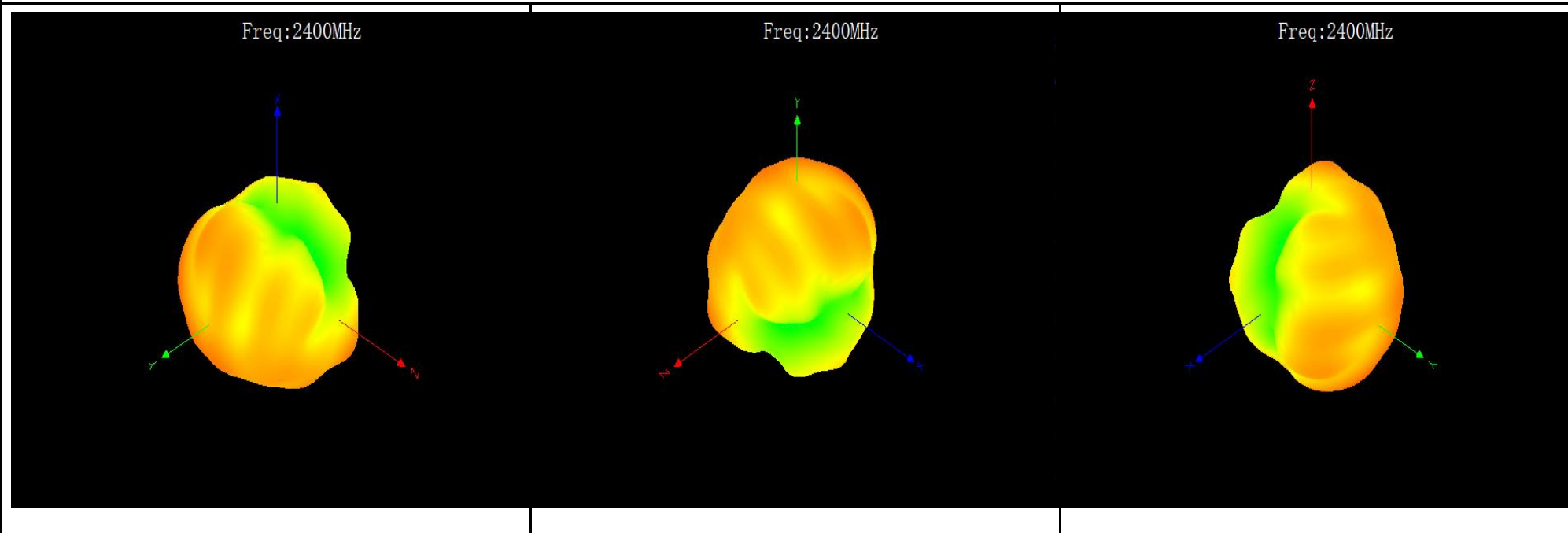




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2400Mhz)

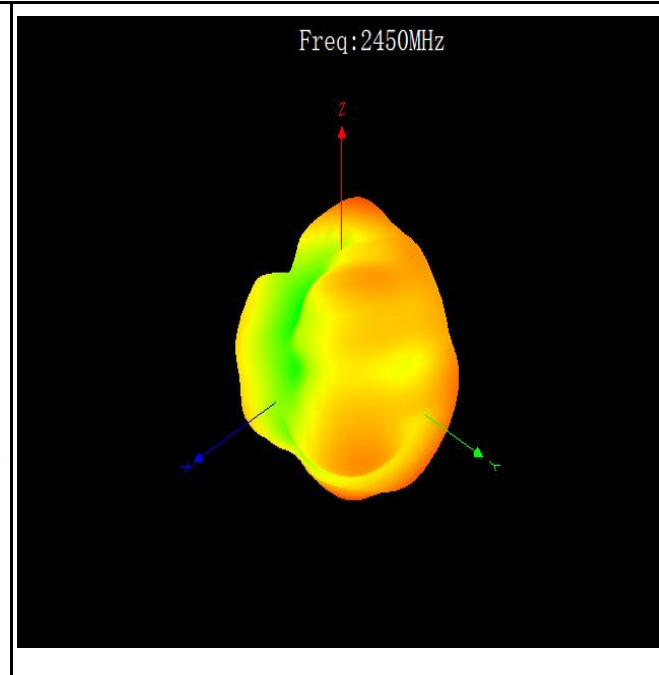
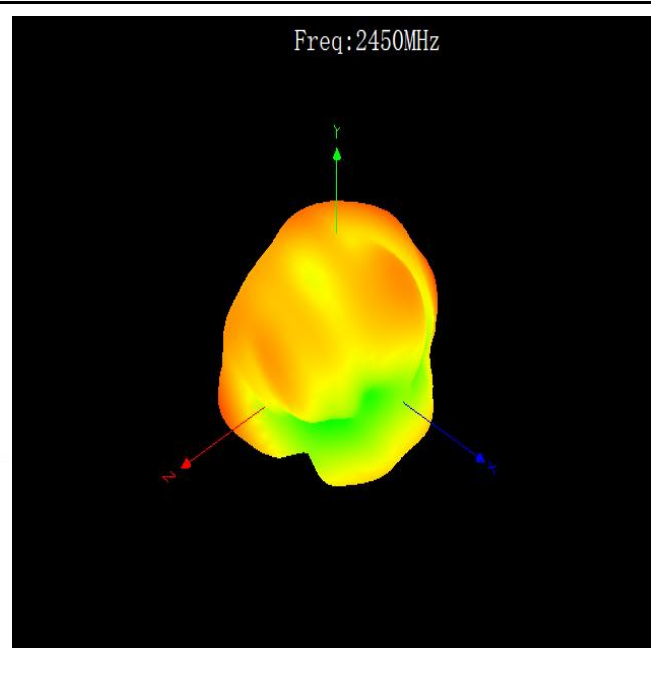
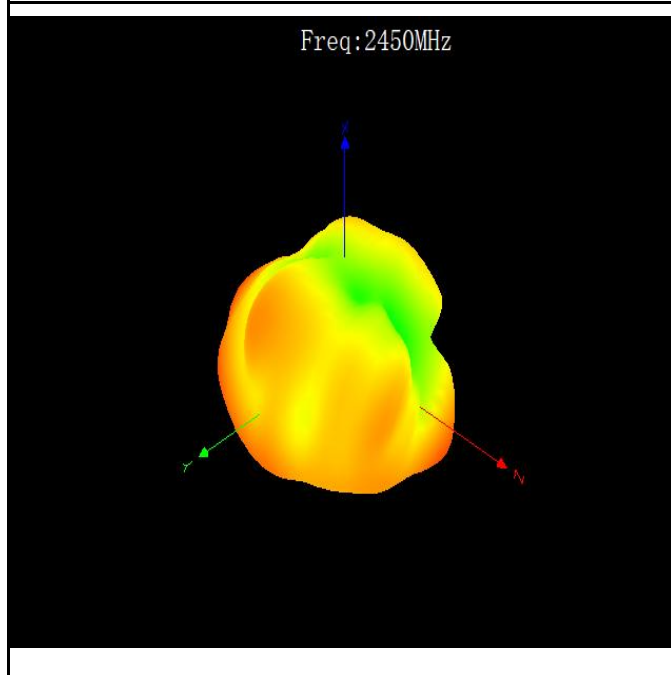




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2450Mhz)

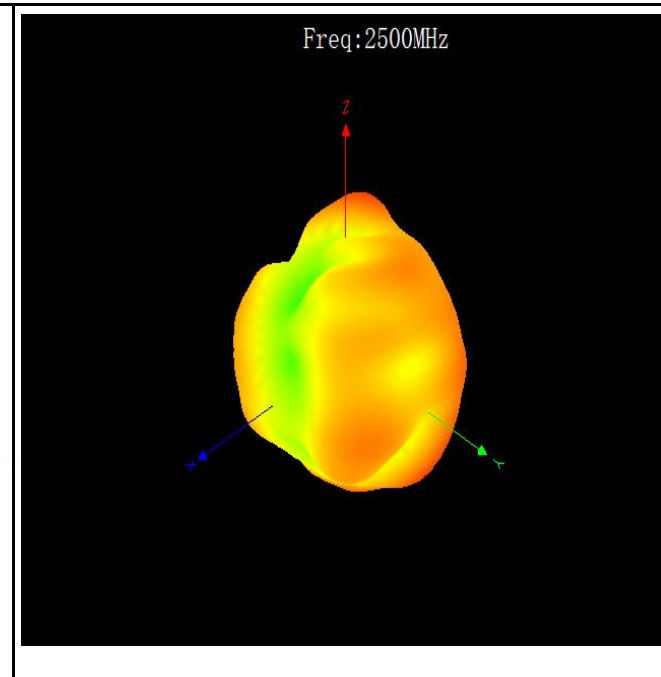
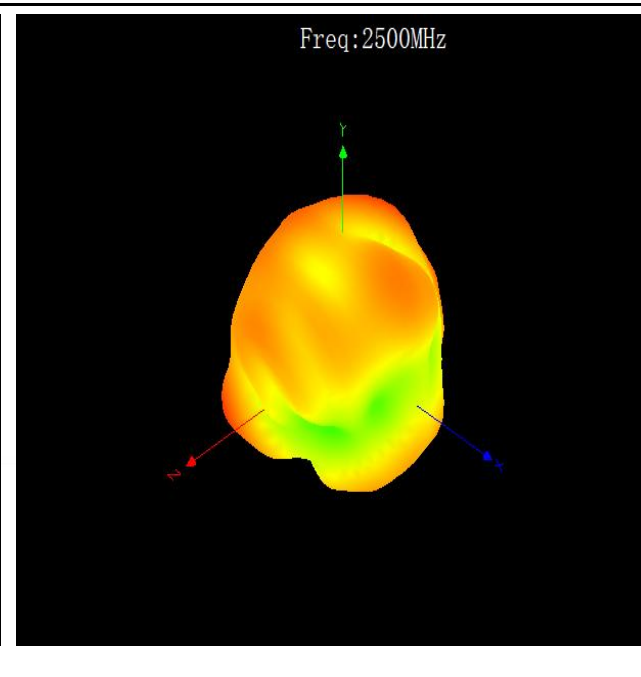
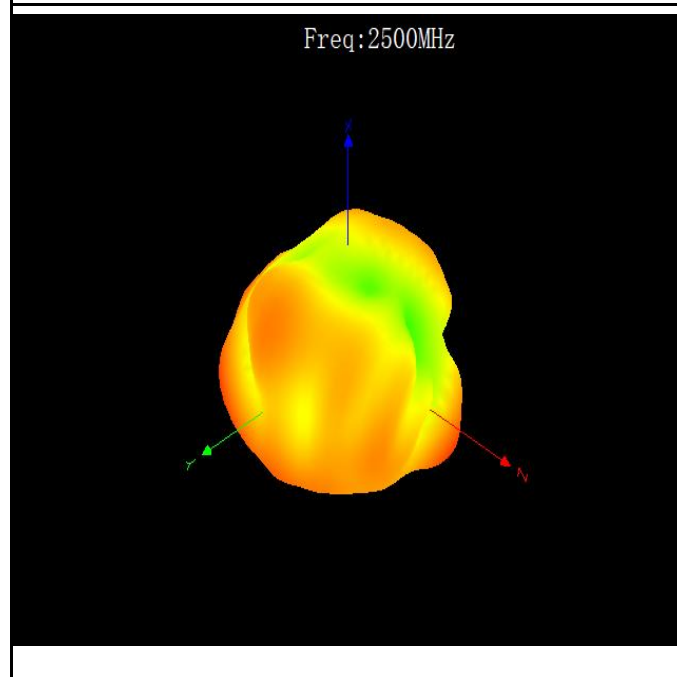




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2500Mhz)



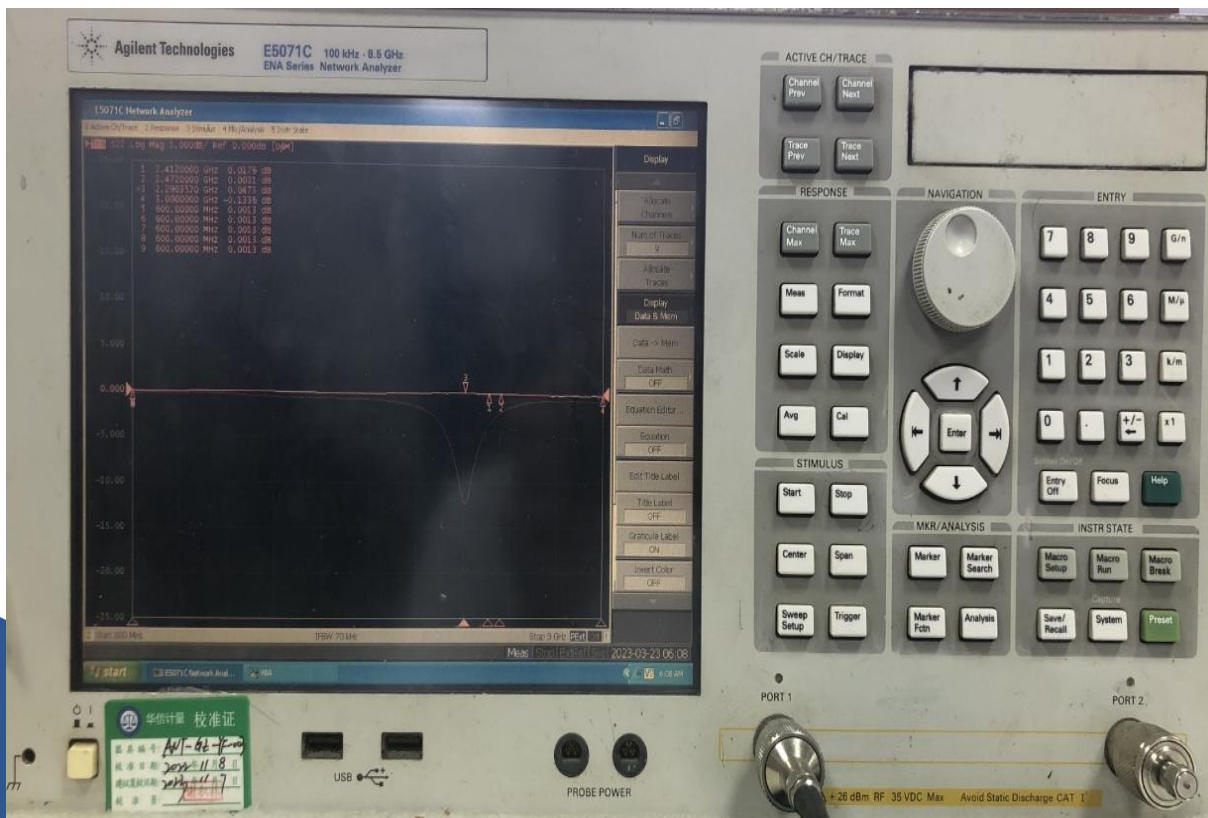


深圳市安特通讯科技有限公司

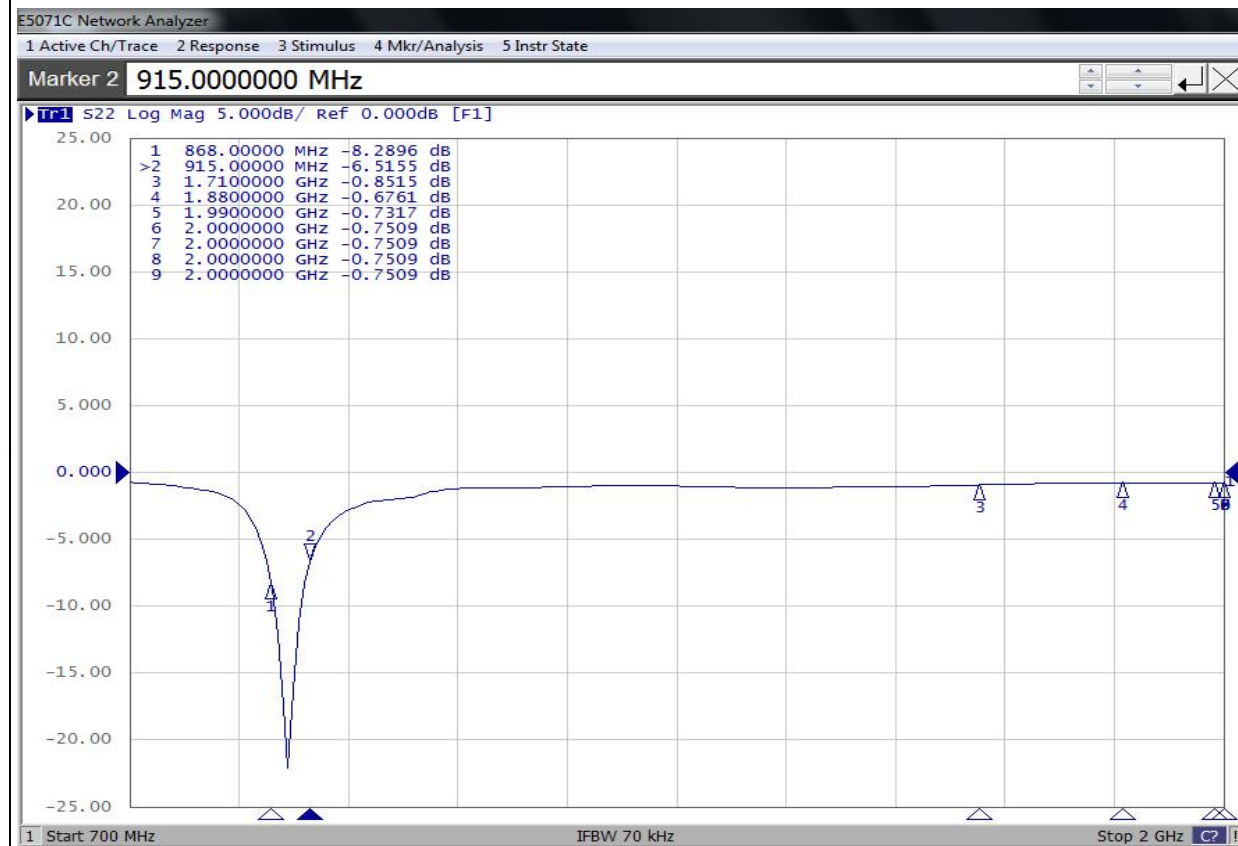
ANT Communication Technology (Shenzhen) Co., LTD.

3.LORA Tset

Agilent E5071C



S-Parameter Test

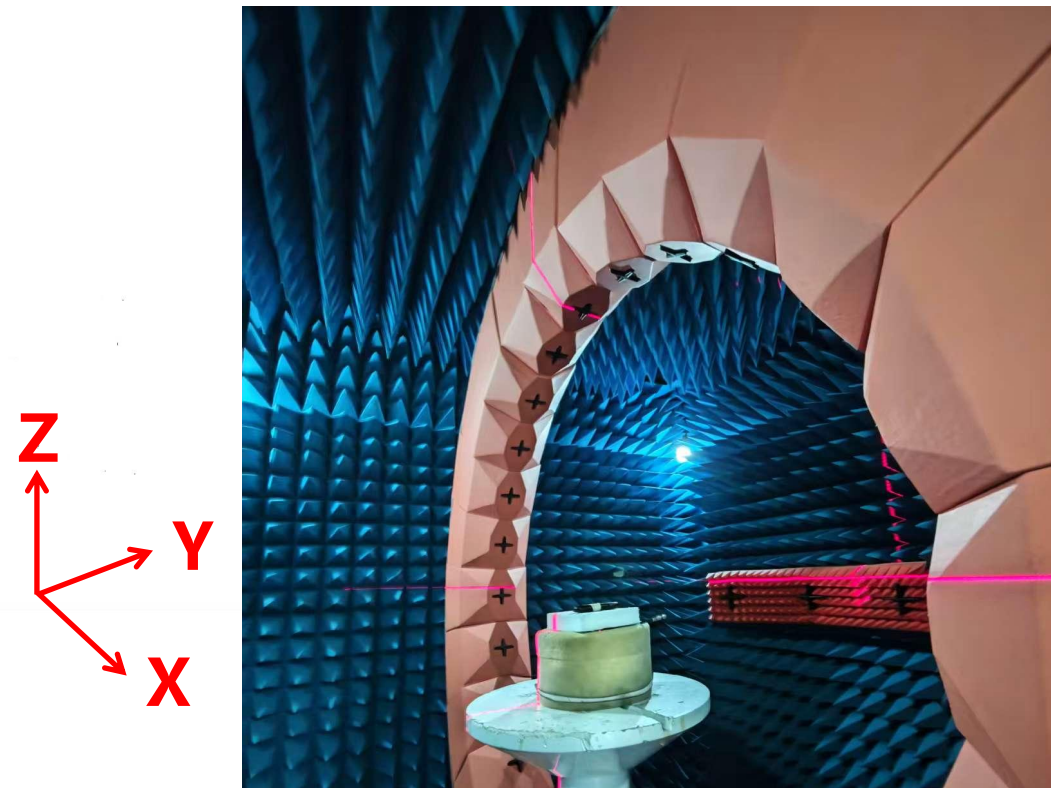
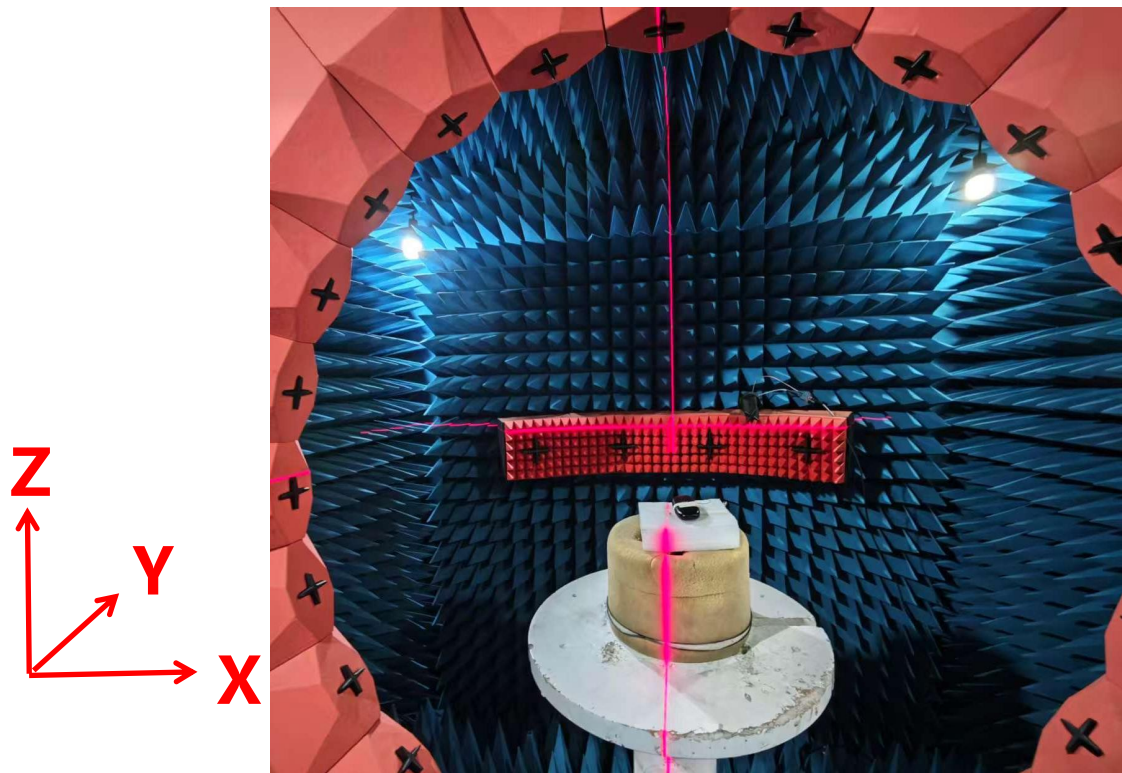




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ANT Communication Technology (Shenzhen) Co., LTD.

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	-4.37	36.56	-0.97
860	-3.78	41.88	0.52
870	-3.78	41.88	1.2
880	-3.47	44.98	2.09
890	-3.29	46.88	2.02
900	-3.46	45.08	2.06
915	-3.85	41.21	1.24
920	-4.22	37.84	0.83
930	-3.98	39.99	0.46

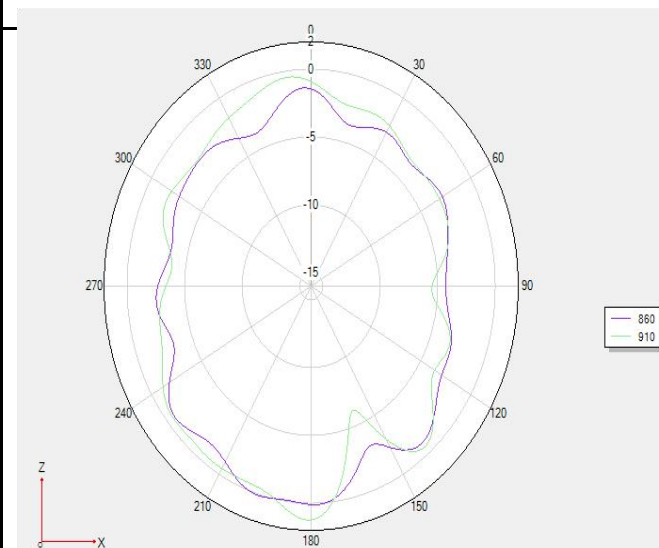


深圳市安特通讯科技有限公司

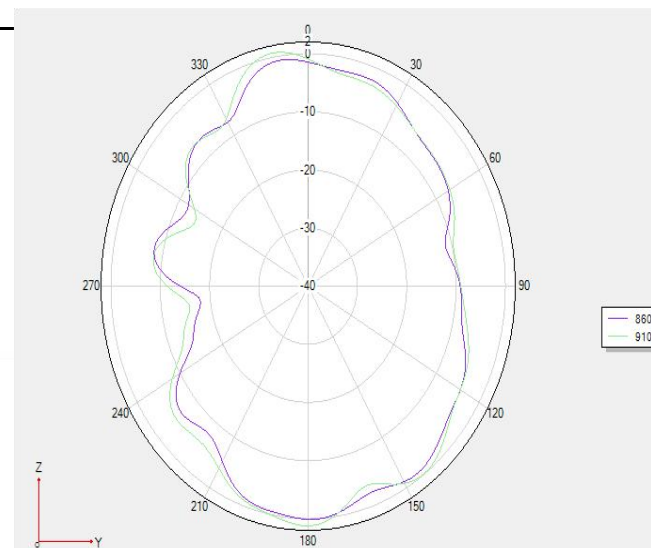
ANT Communication Technology (Shenzhen) Co., LTD.

2D-Etotal (860/910Mhz)

Phi 0 2D



Phi 90 2D



Theta 90 2D

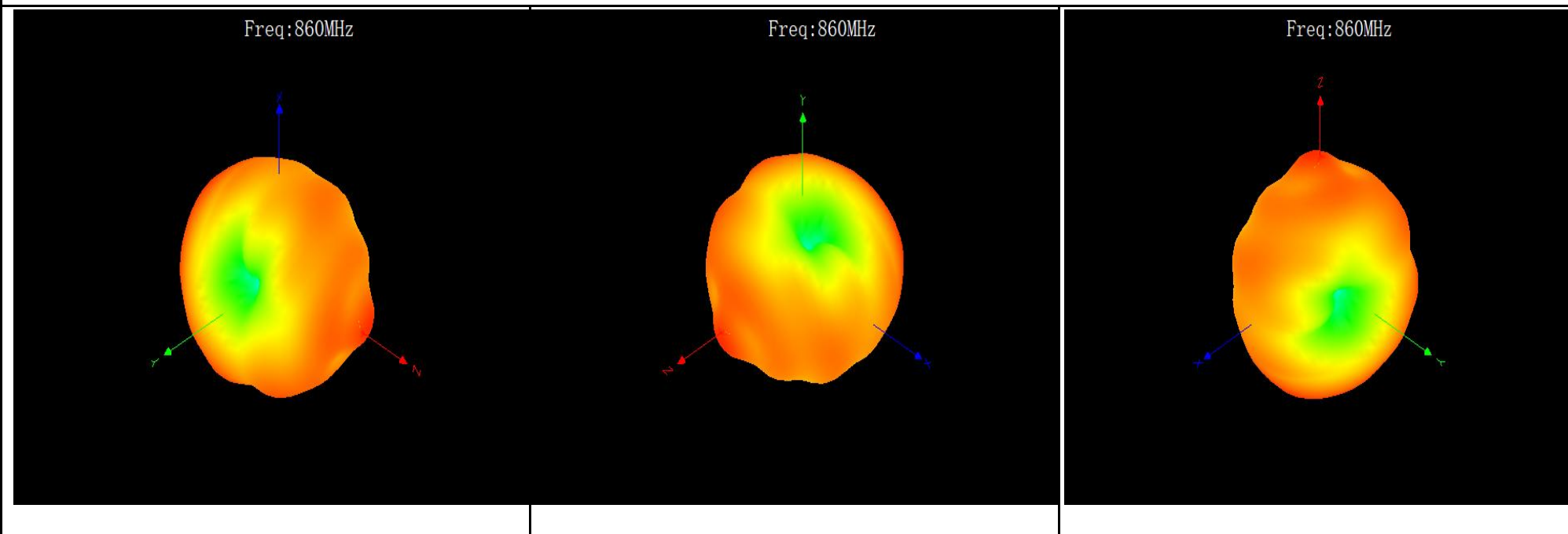




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (860Mhz)

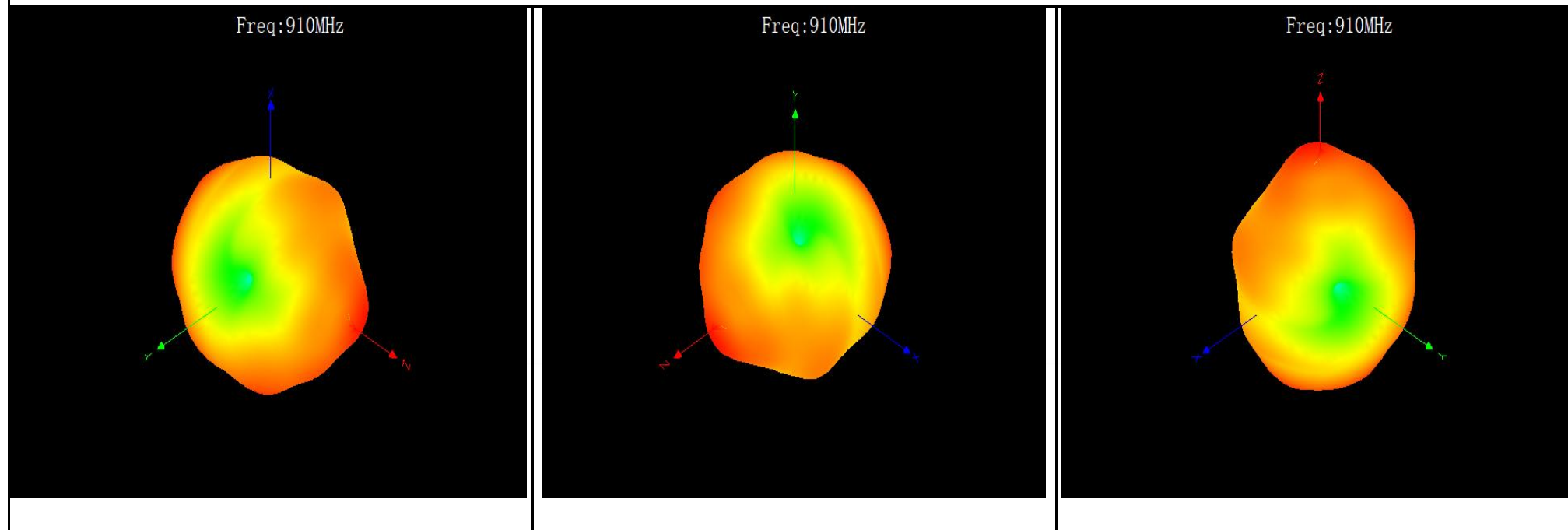




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (910Mhz)



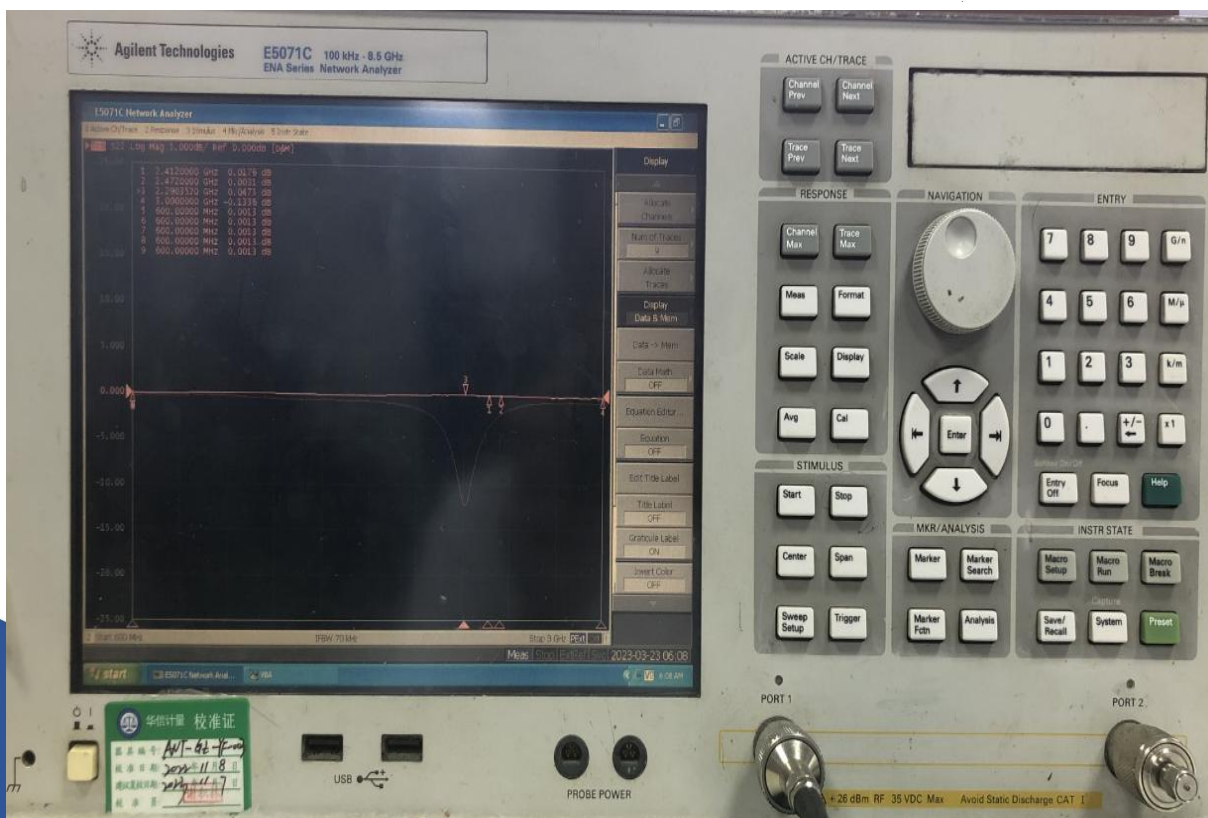


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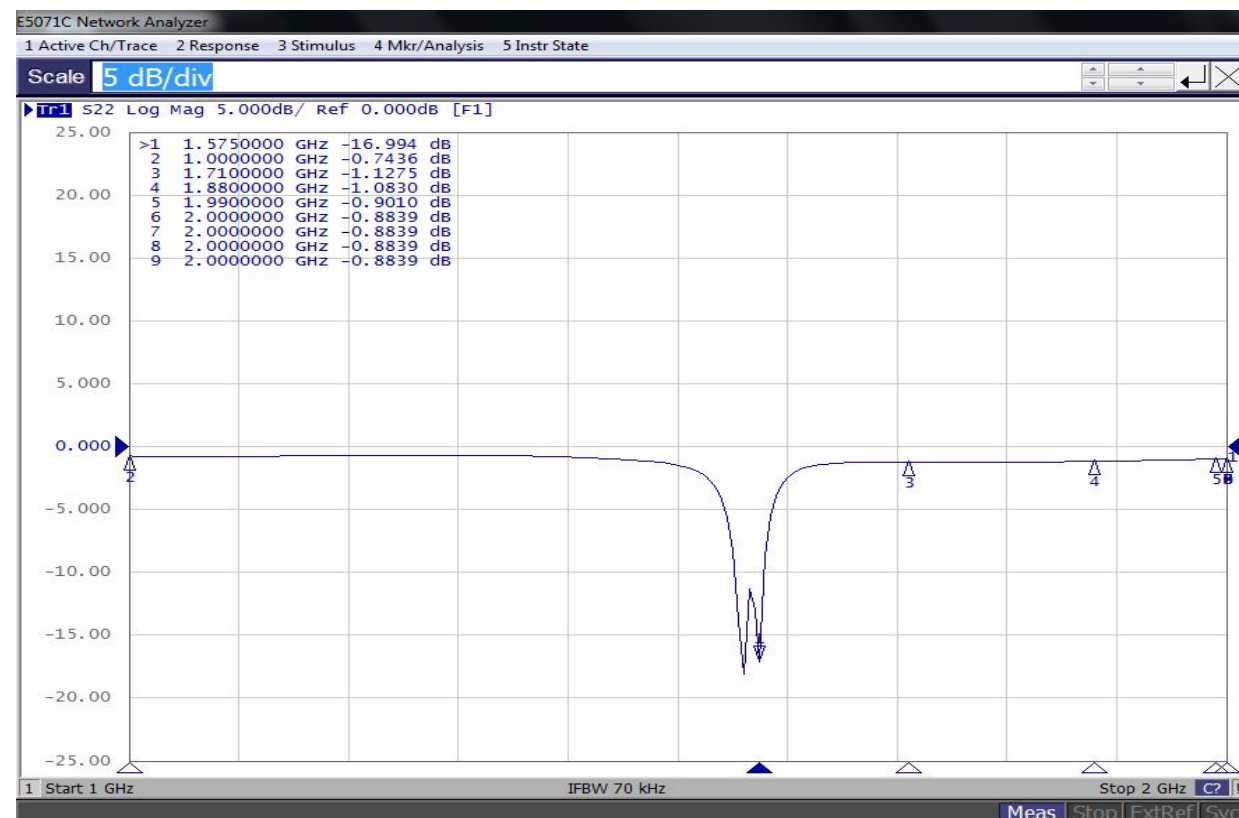
ANT Communication Technology (Shenzhen) Co., LTD.

4、GPS Test

Agilent E5071C



S-Parameter Test

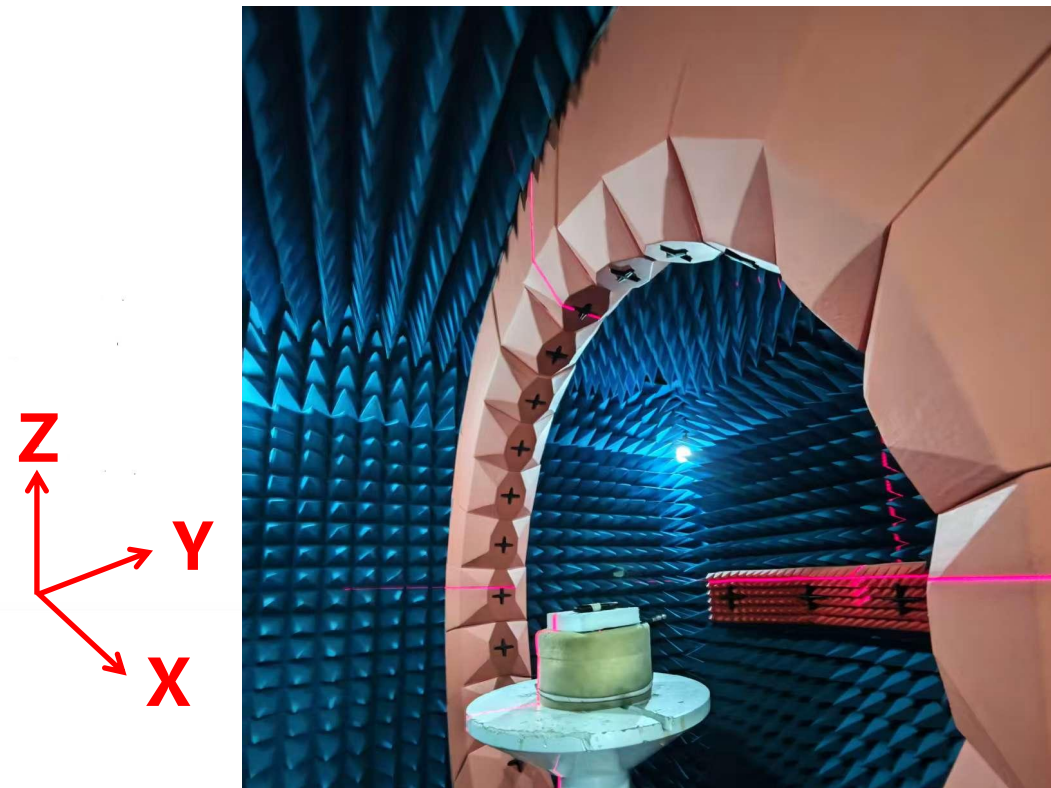
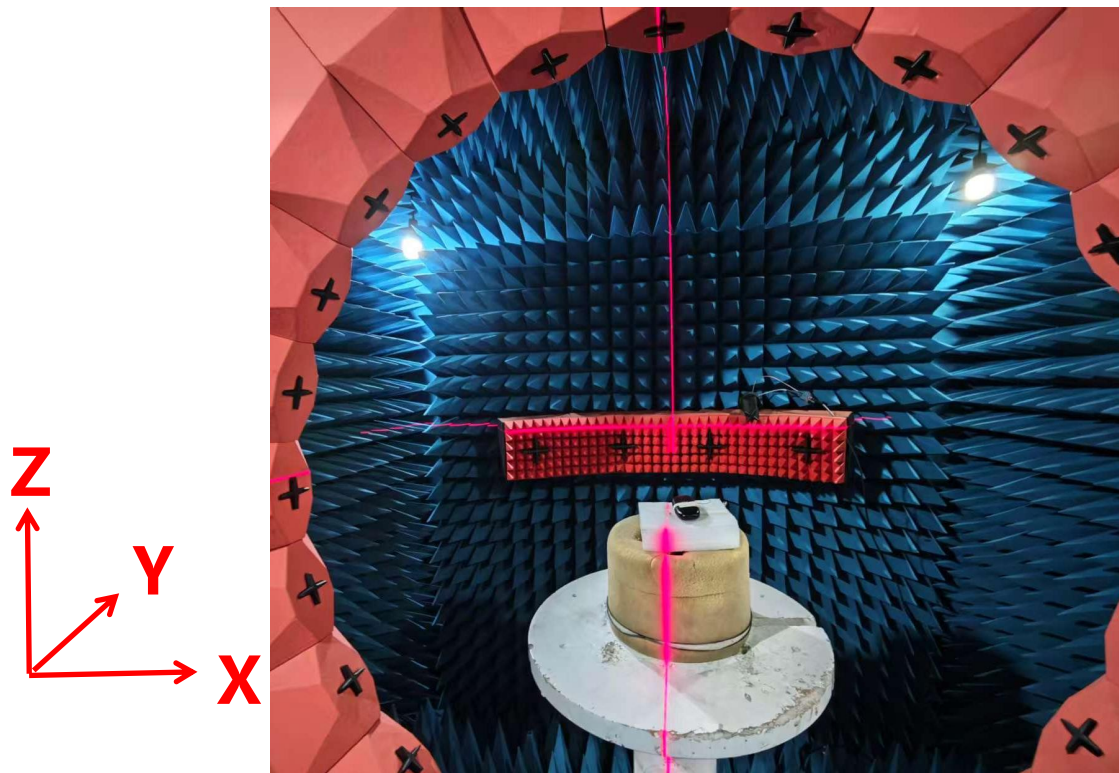




深圳市安特通讯科技有限公司

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
1500	-10.02	9.95	-3.26
1510	-9.26	11.86	-1.96
1520	-7.72	16.9	-0.23
1530	-6.25	23.71	1.28
1540	-4.26	37.5	3.63
1550	-3.6	43.65	5.1
1560	-3.41	45.6	4.95
1570	-3.31	46.67	3.61
1580	-3.43	45.39	3.55
1590	-5.36	29.11	2.17
1600	-7.22	18.97	0.39



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2D-Etotal (1570Mhz)

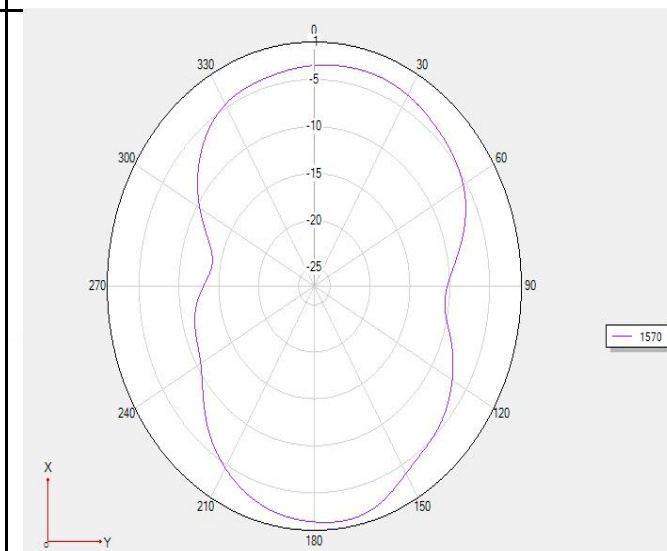
Phi 0 2D



Phi 90 2D



Theta 90 2D

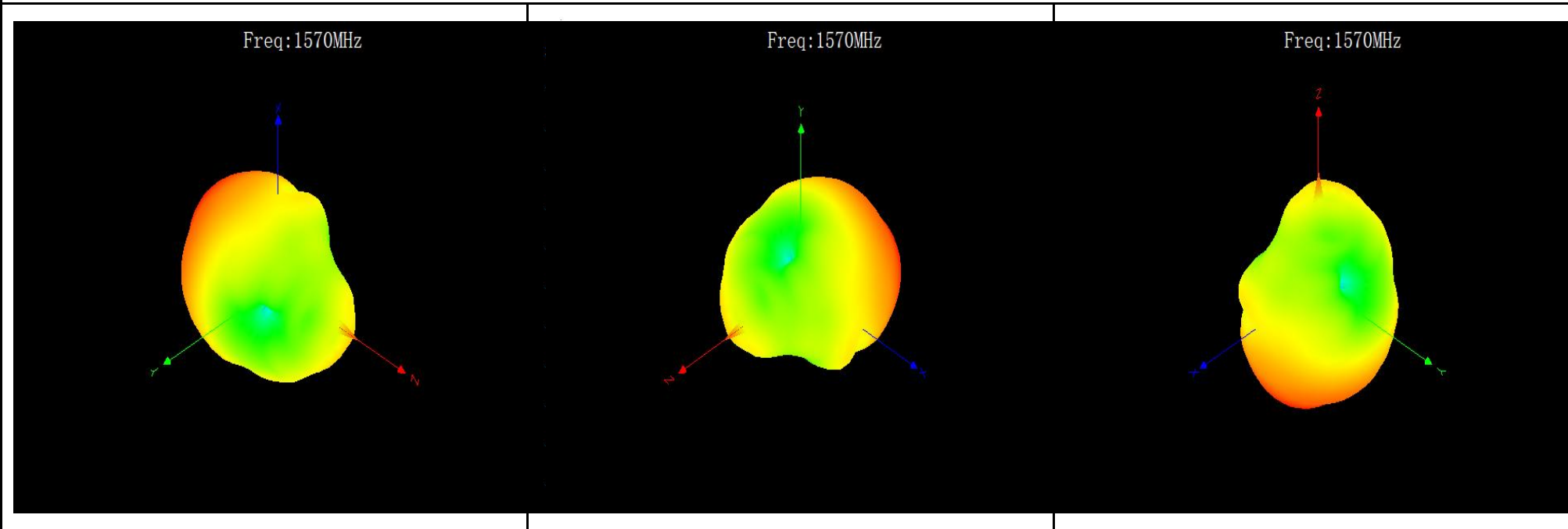




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (1570Mhz)





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THANK YOU!