



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

LW006-LOW

Antenna Test Report

Tester : Hu Lin
Date : 2026 / 05/ 28



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ANT Communication Technology (Shenzhen) Co., LTD.

1. Device Profile

2. BT Test

3. LORA Test

3. GPS Test

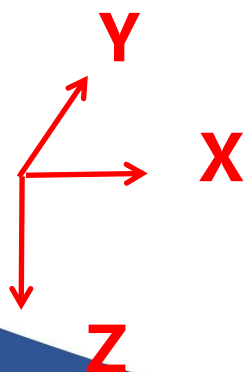
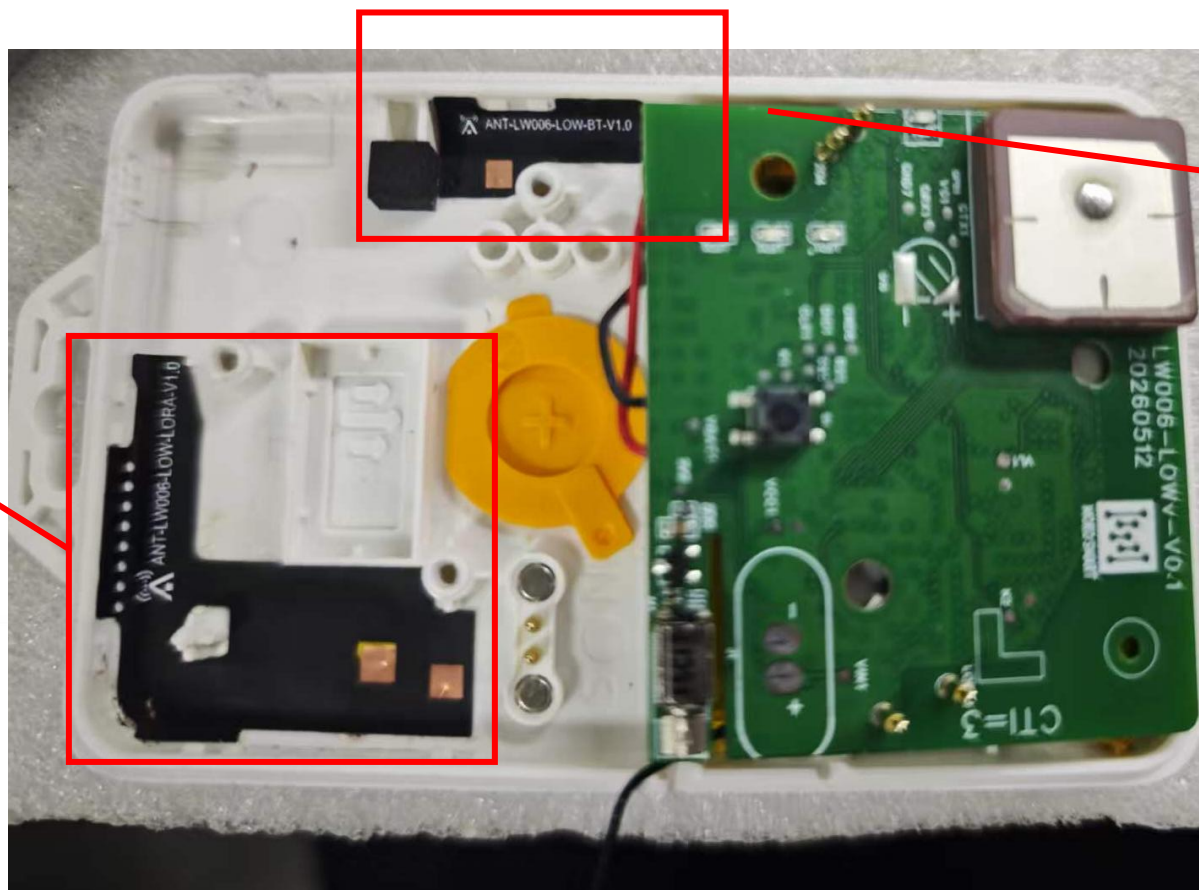


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LORA Antenna

BT Antenna





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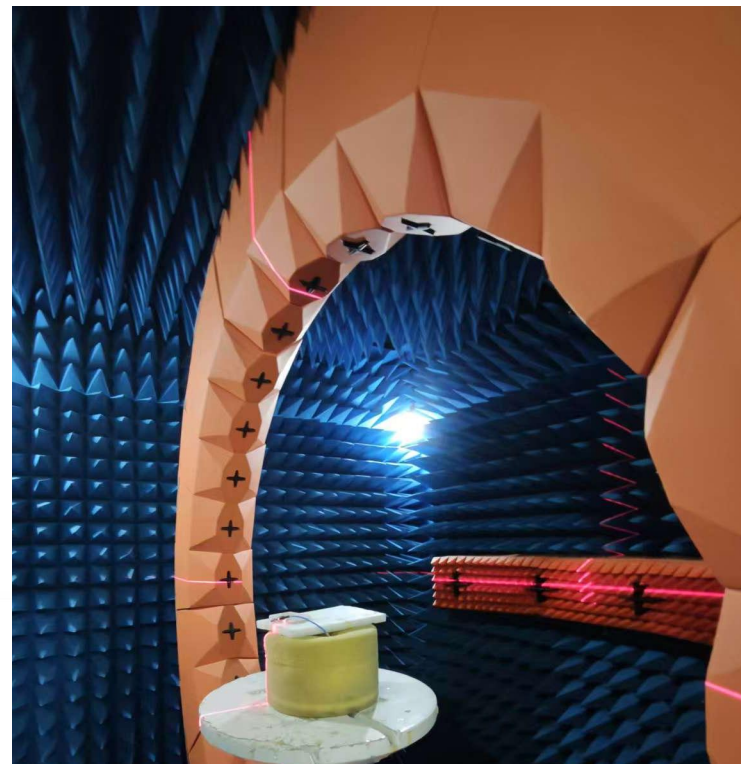
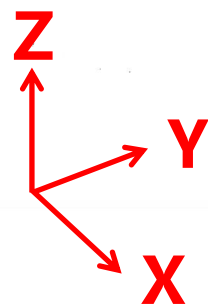
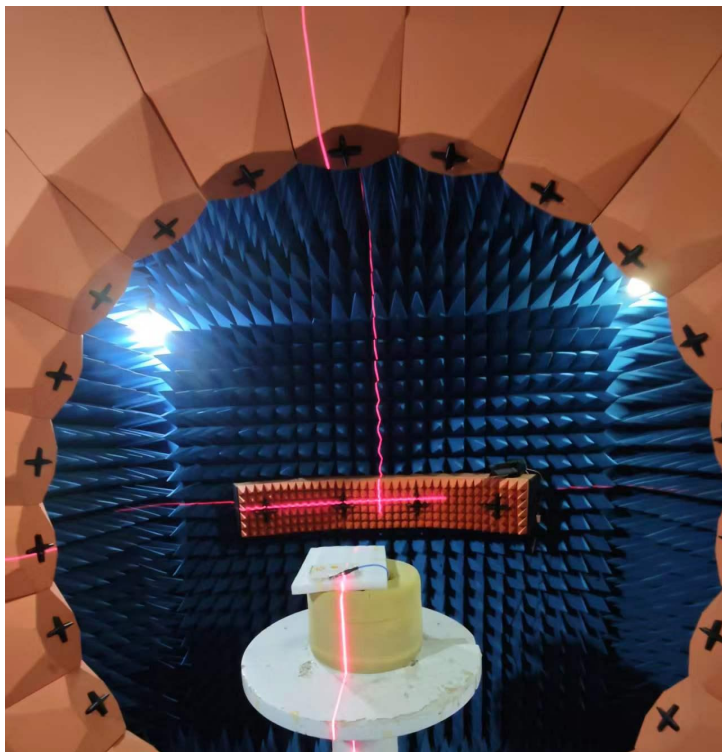
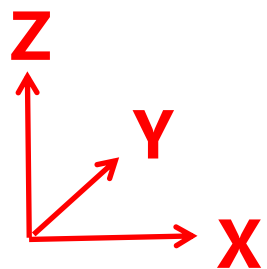
GPS Antenna



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Antenna Passive Test



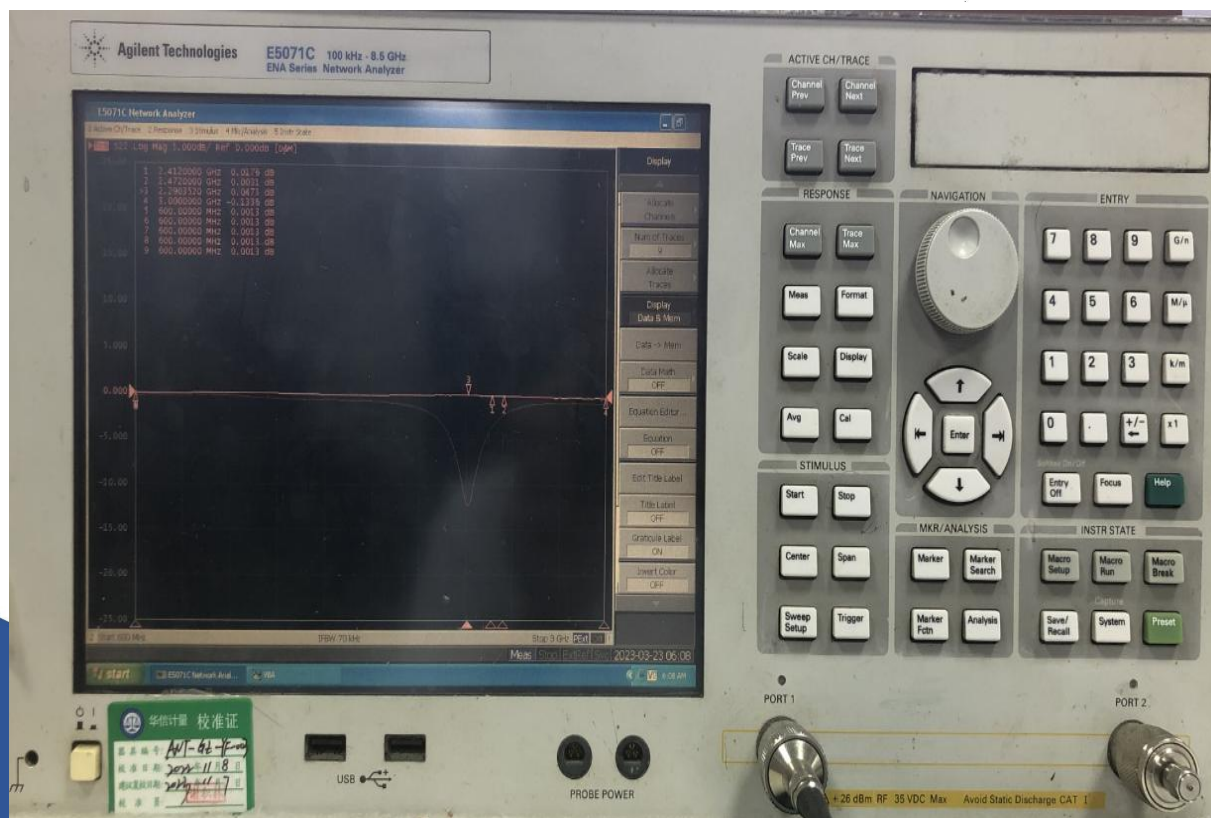


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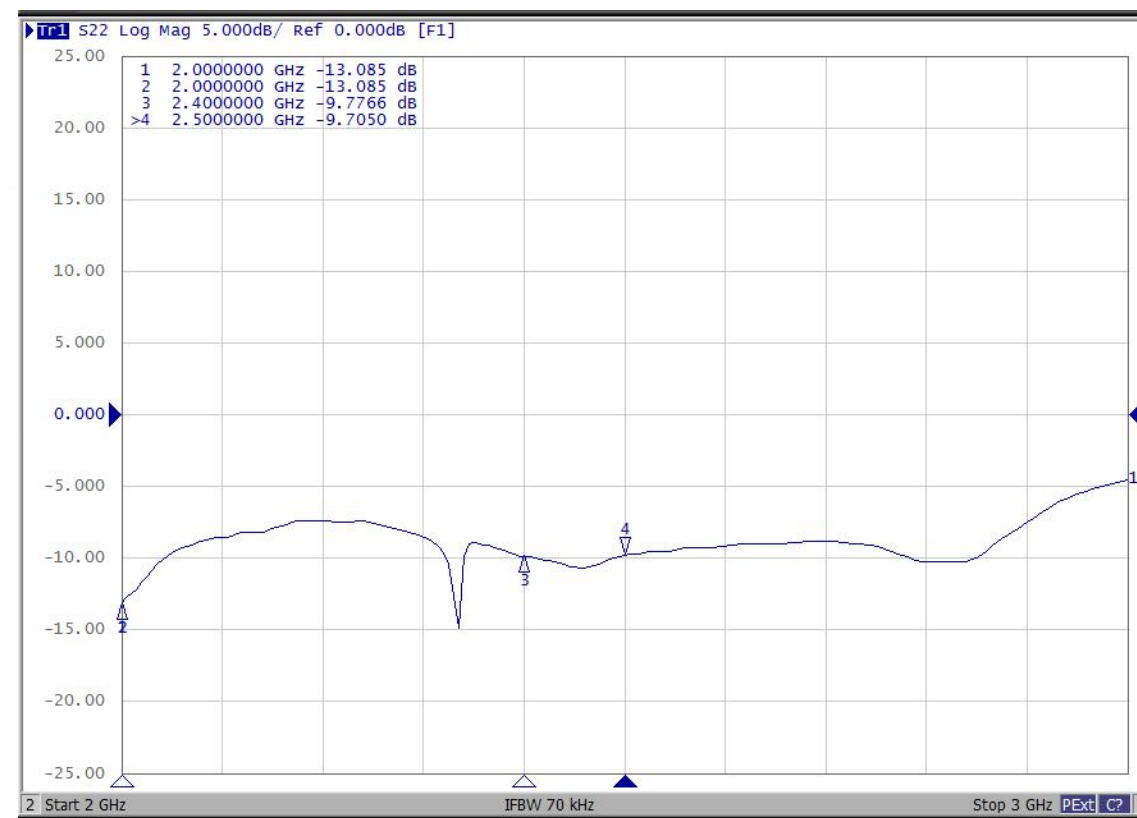
ANT Communication Technology (Shenzhen) Co., LTD.

2. BT Test

Agilent E5071C



S-Parameter Test





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ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
2400	-3.93	40.46	1.38
2410	-3.86	41.11	1.43
2420	-3.59	43.75	1.79
2430	-3.41	45.6	2.43
2440	-3.4	45.71	2.43
2450	-3.42	45.5	2.44
2460	-3.46	45.08	1.82
2470	-3.64	43.25	1.85
2480	-3.84	41.3	1.89
2490	-3.9	40.74	1.74
2500	-4.07	39.17	1.77

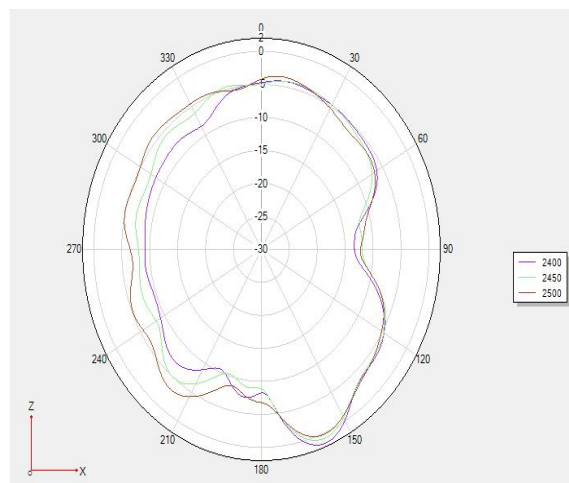


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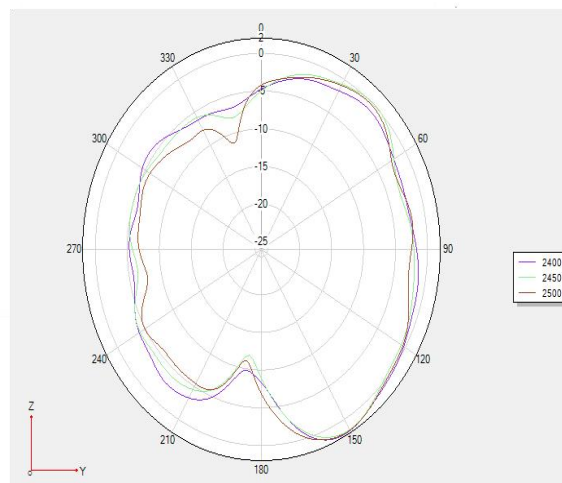
ANT Communication Technology (Shenzhen) Co., LTD.

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

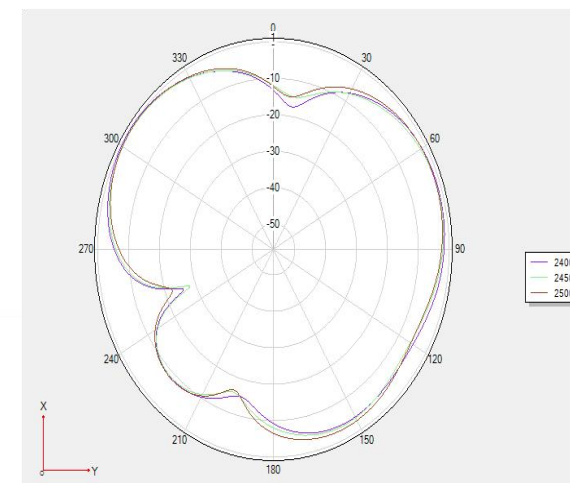
Phi 0 2D



Phi 90 2D



Theta 90 2D

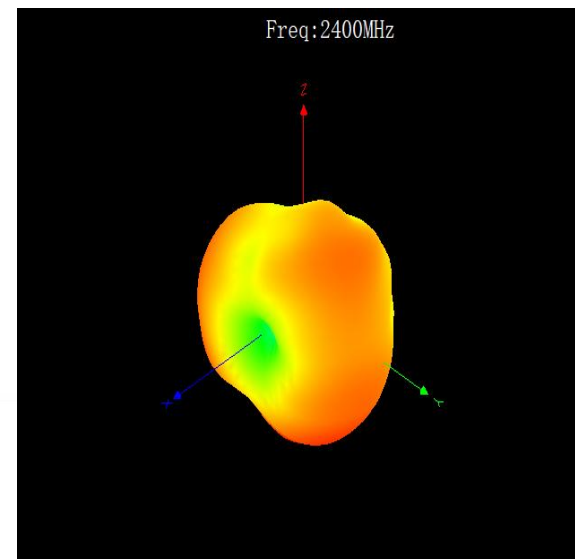
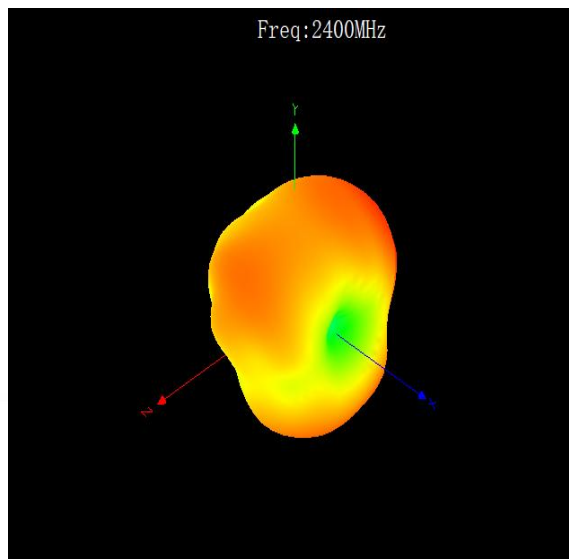
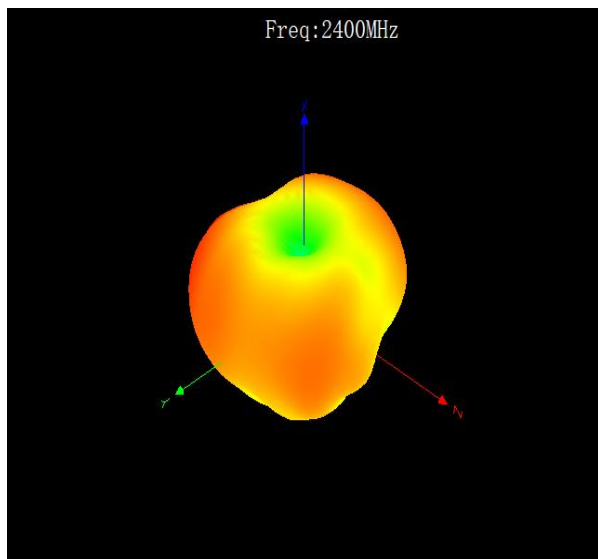




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2400Mhz)

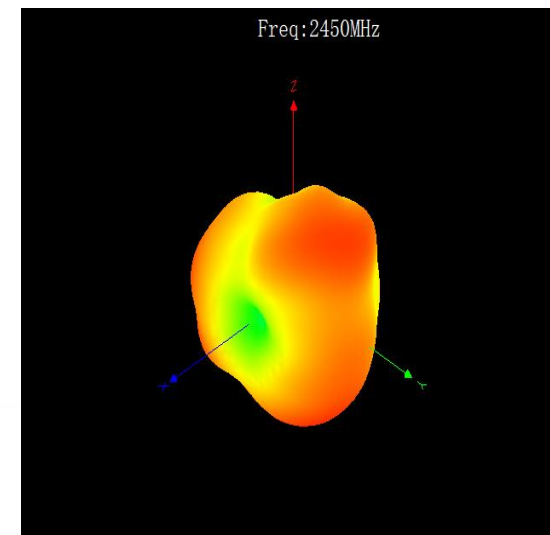
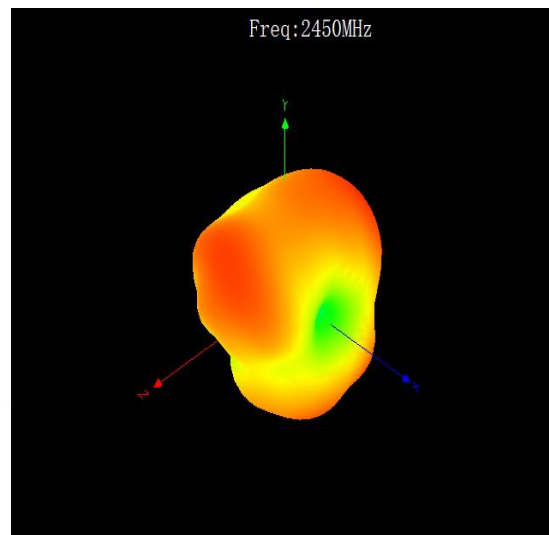
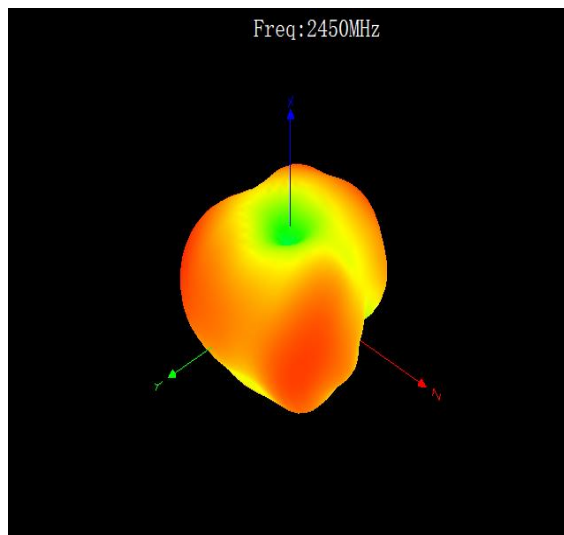




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3D-Etotal (2450MHz)

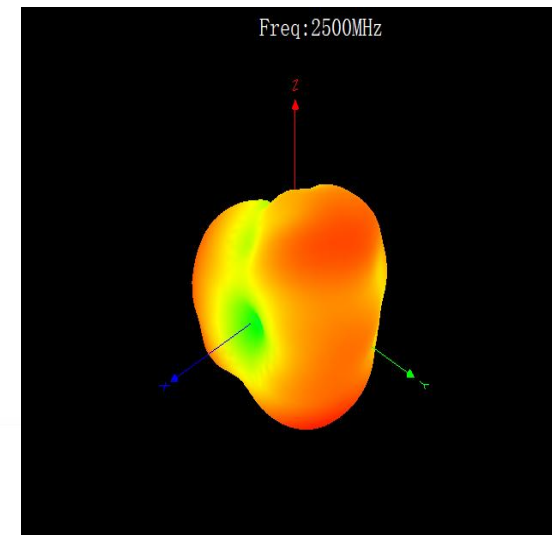
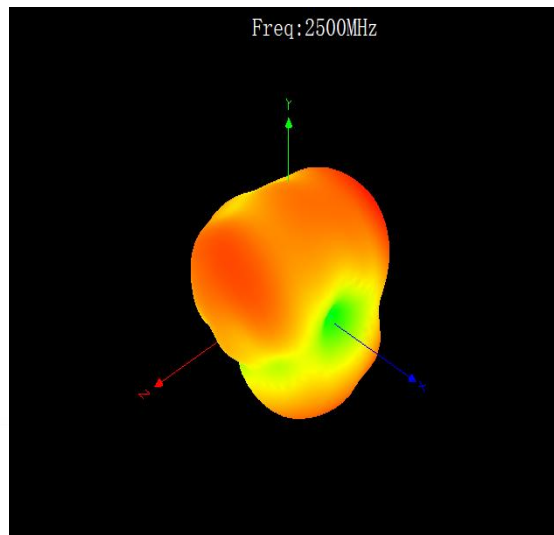
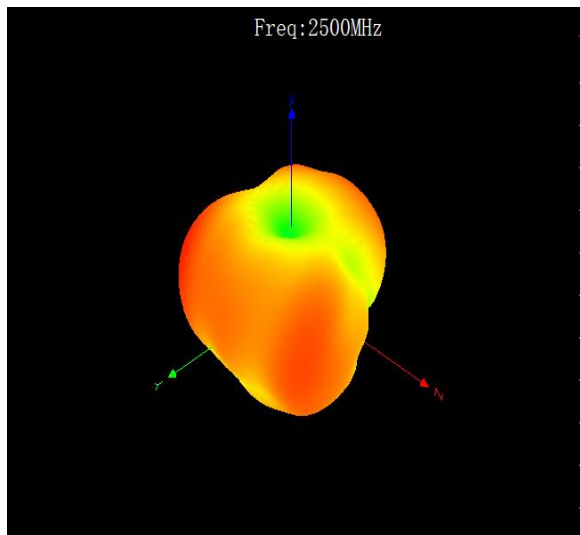




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (2500Mhz)



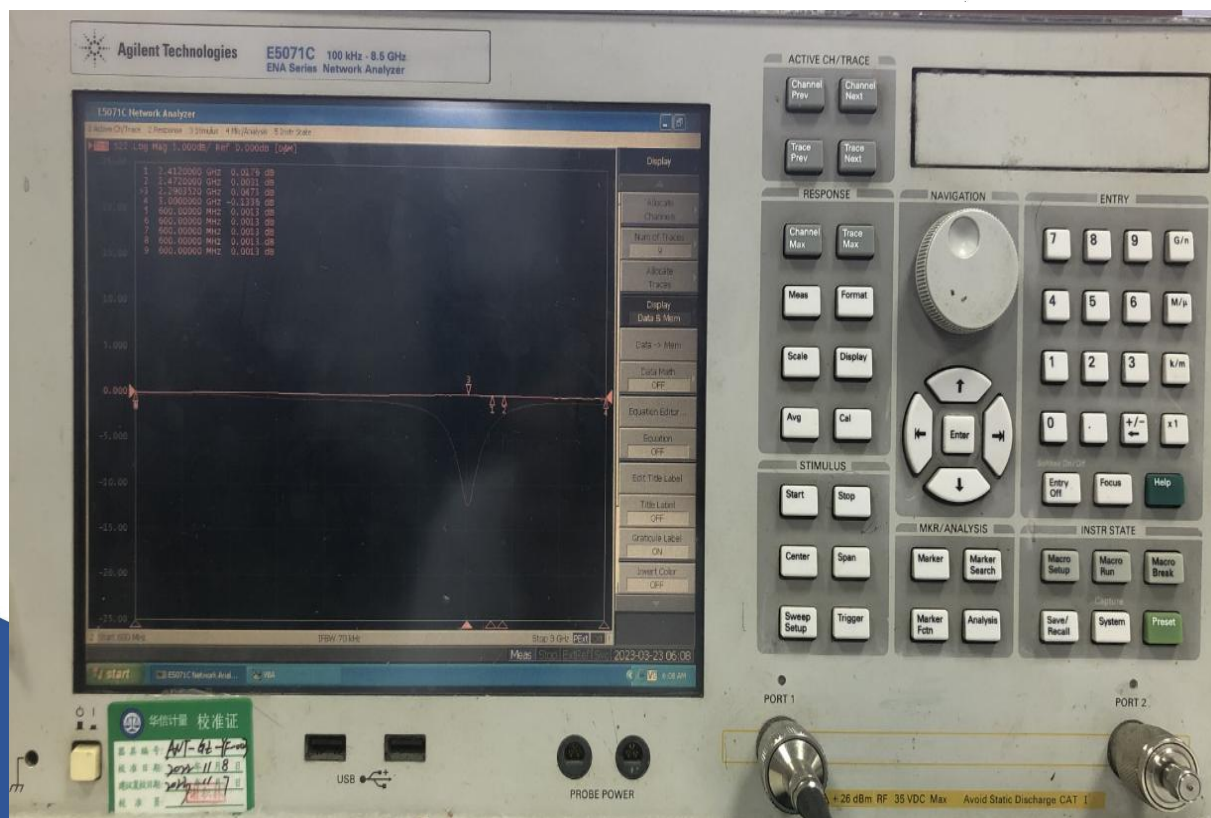


深圳市安特通讯科技有限公司

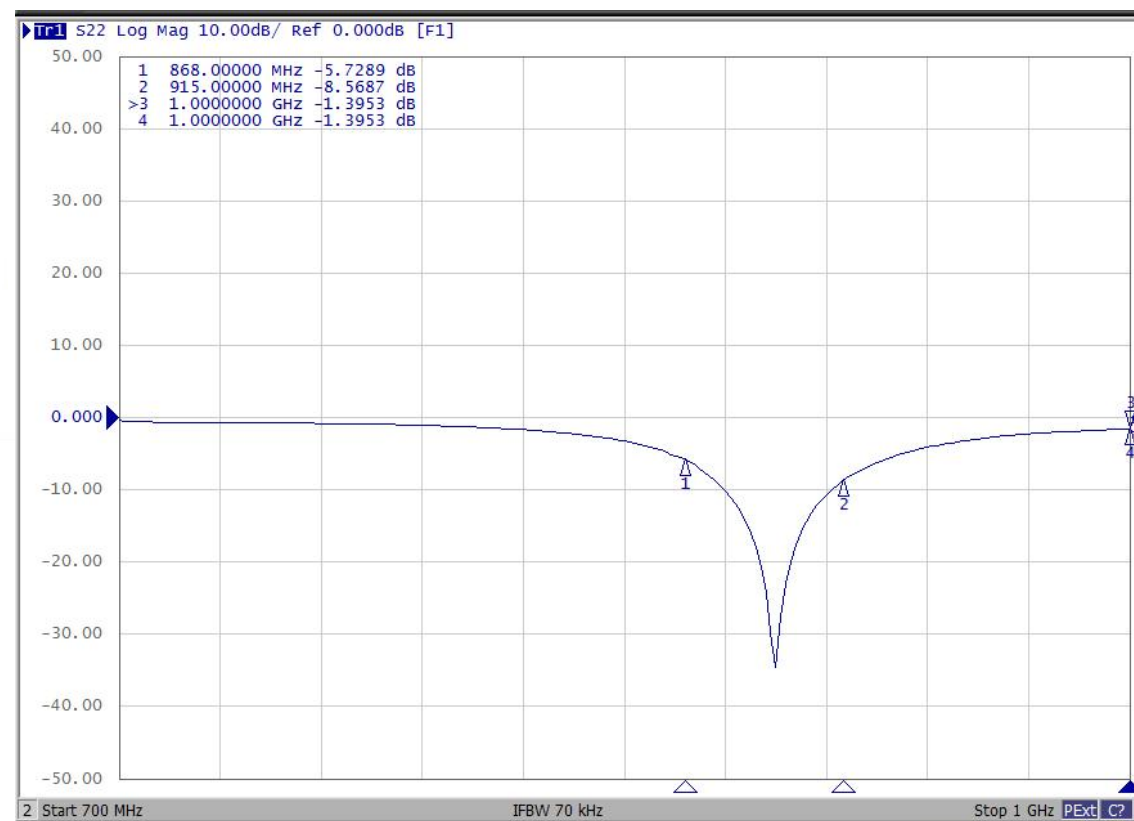
ANT Communication Technology (Shenzhen) Co., LTD.

3. LORA Test

Agilent E5071C



S-Parameter Test





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ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
860	-4.38	36.45	2.48
870	-4.14	38.52	2.53
880	-3.92	40.58	2.58
890	-3.93	40.46	2.85
900	-3.90	40.7	2.89
910	-4.10	38.87	2.78
920	-4.22	37.84	2.61
930	-4.42	36.13	2.60

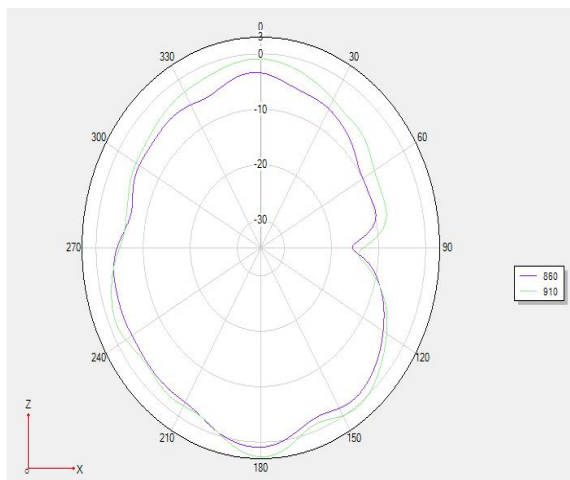


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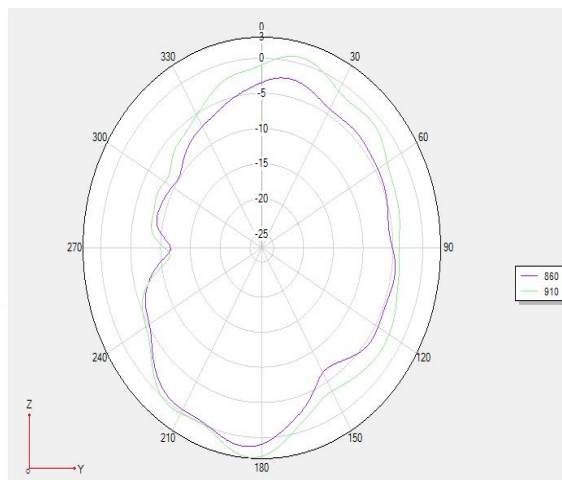
ANT Communication Technology (Shenzhen) Co., LTD.

2D-Etotal (860/910Mhz)

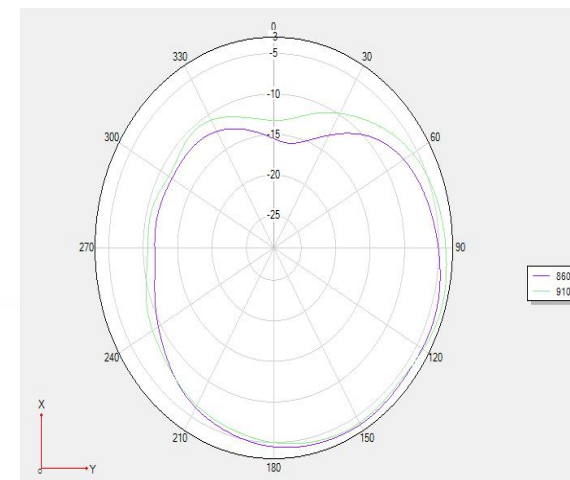
Phi 0 2D



Phi 90 2D



Theta 90 2D

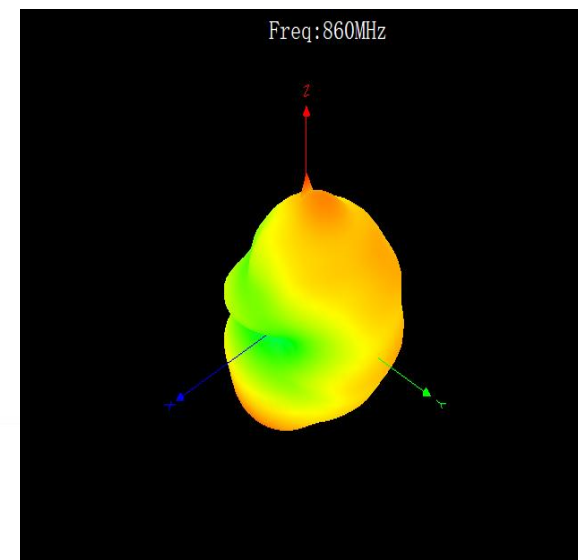
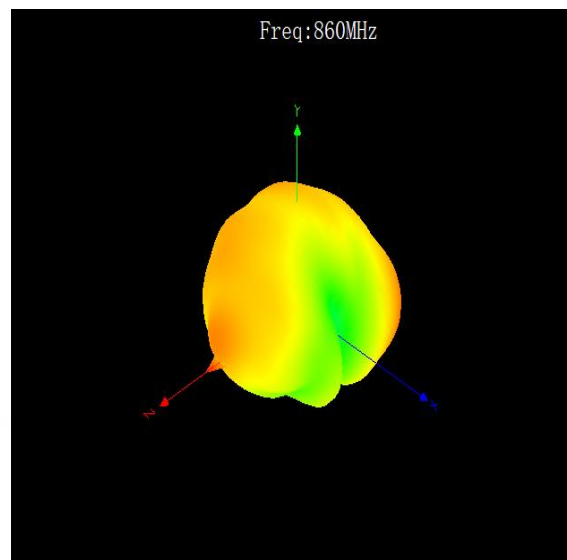
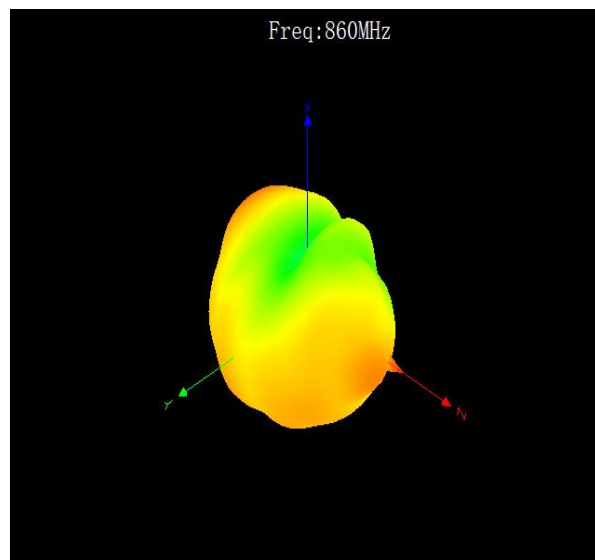




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (860Mhz)

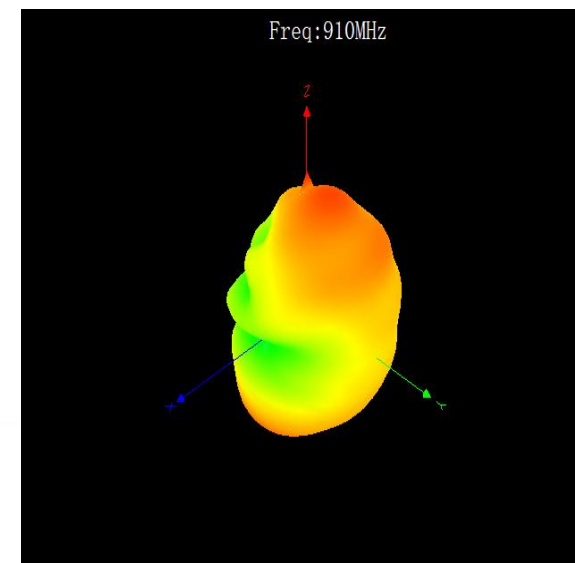
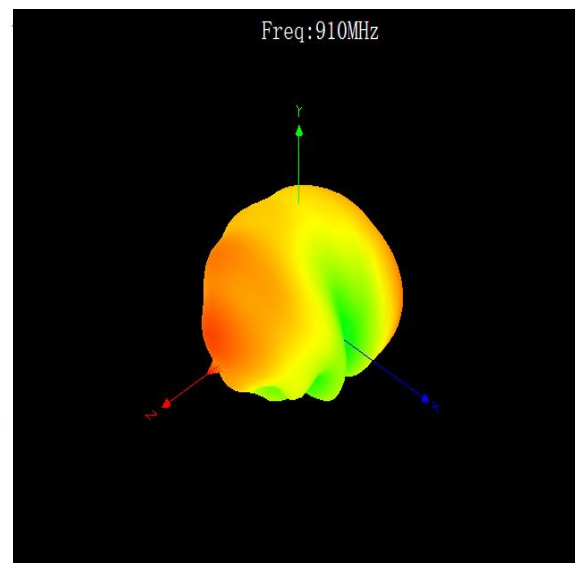
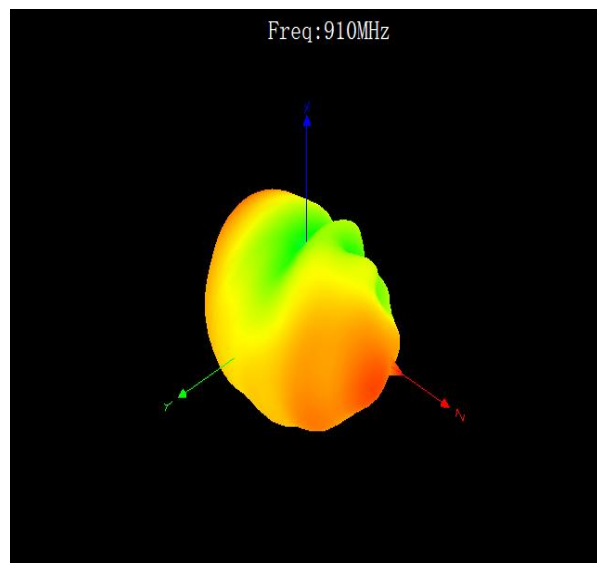




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ANT Communication Technology (Shenzhen) Co., LTD.

3D-Etotal (910Mhz)



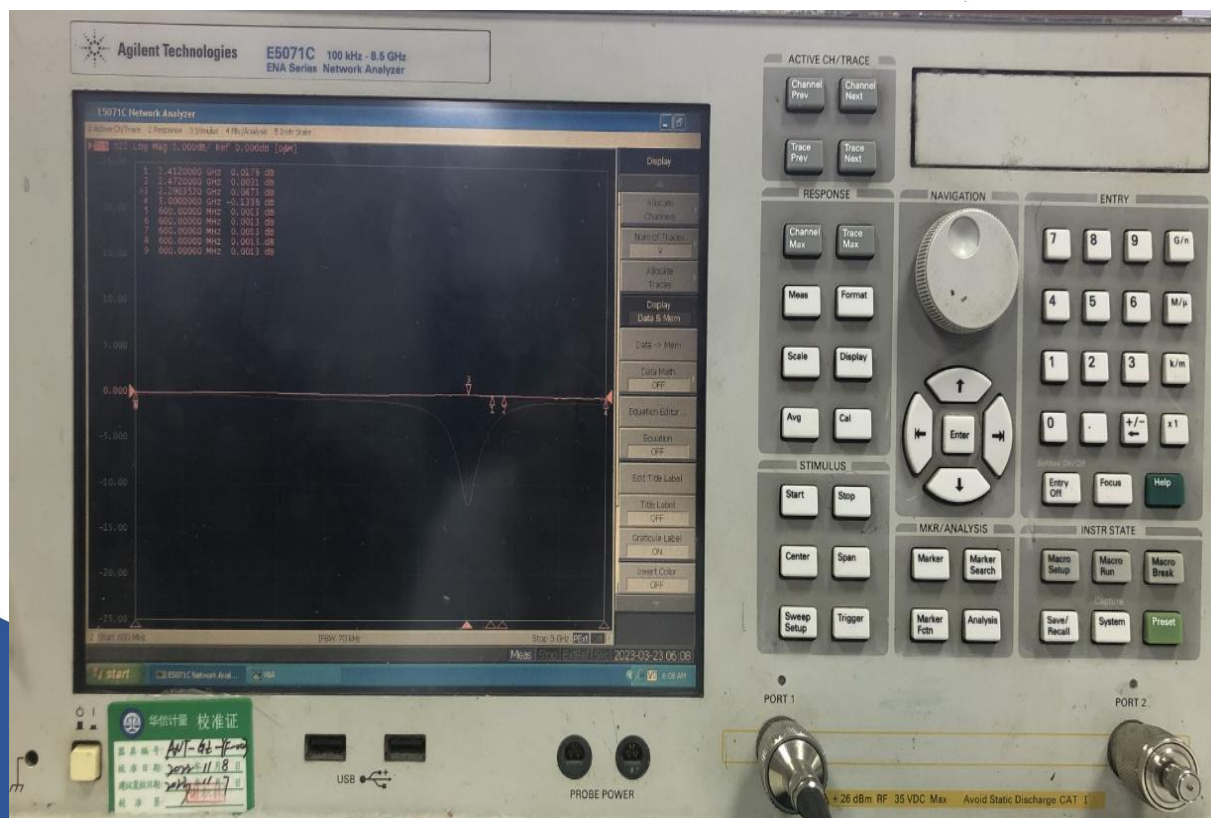


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ANT Communication Technology (Shenzhen) Co., LTD.

4. GPS Test

Agilent E5071C



S-Parameter Test





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ANT Communication Technology (Shenzhen) Co., LTD.

Passive Test			
Frequency/MHz	Efficiency/dB	Efficiency/%	MaxGain/dBi
1500	-10.31	9.31	-6.83
1510	-9.84	10.38	-5.81
1520	-8.58	13.87	-4.22
1530	-7.26	18.79	-2.94
1540	-5.51	28.12	-1.11
1550	-3.97	40.09	0.03
1560	-3.39	45.82	2.49
1570	-3.32	46.52	1.81
1580	-3.48	44.89	0.06
1590	-3.74	42.27	-0.58
1600	-5.14	30.62	-1.79

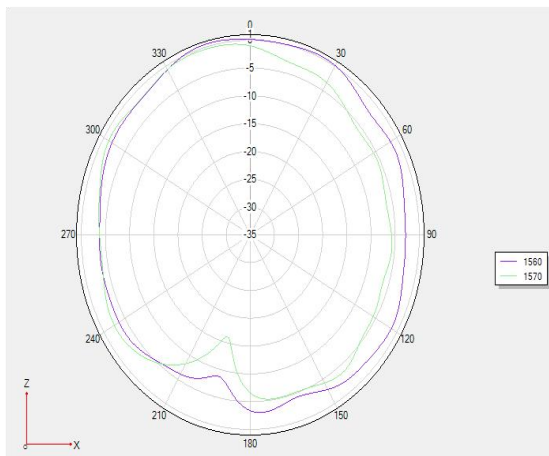


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2D-Etotal (1560/1570Mhz)

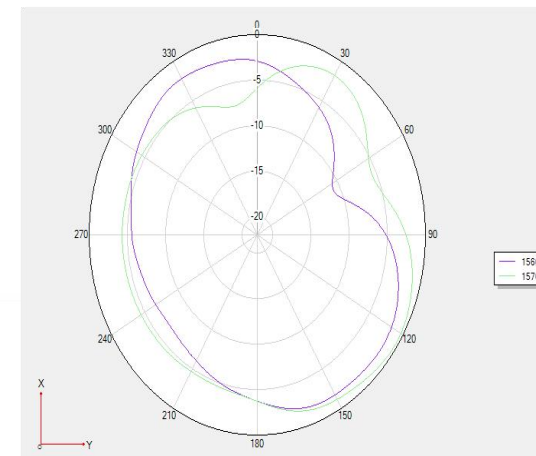
Phi 0 2D



Phi 90 2D



Theta 90 2D

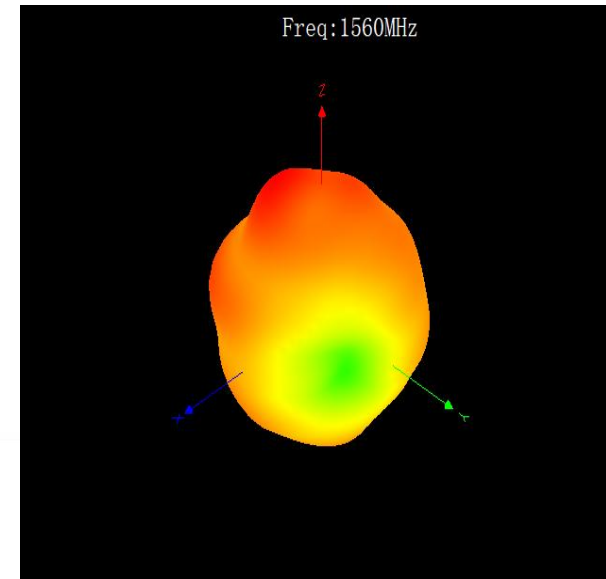
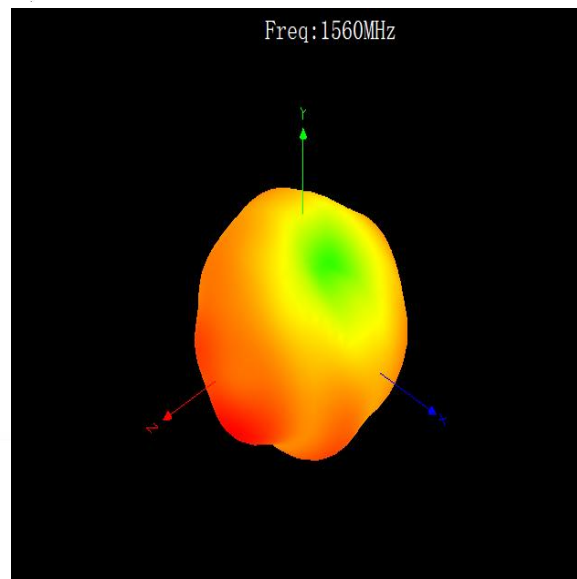
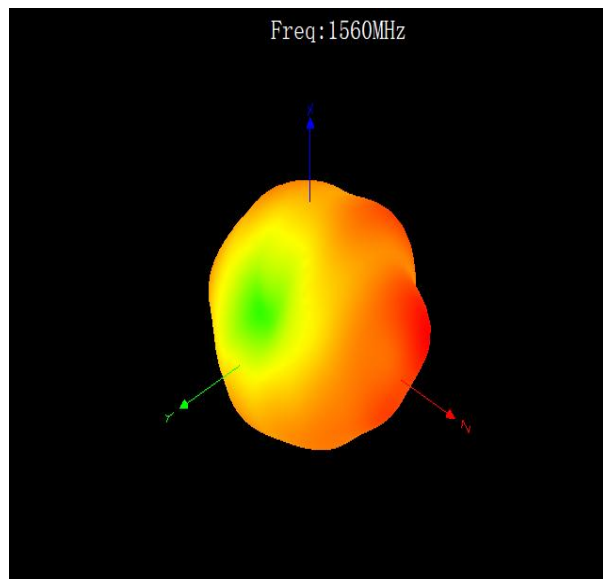




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3D-Etotal (1560Mhz)

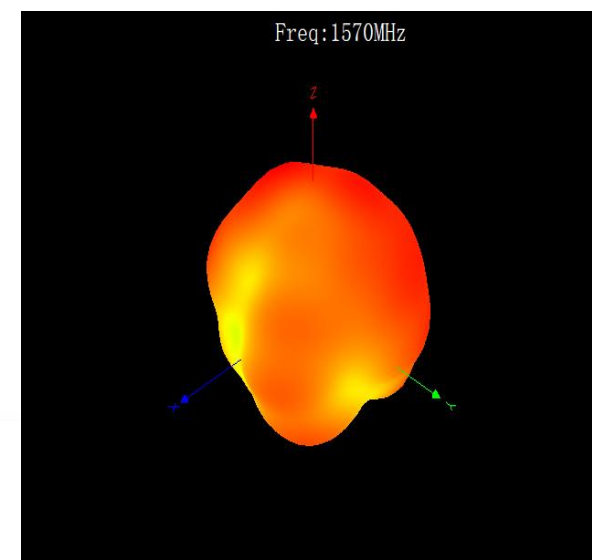
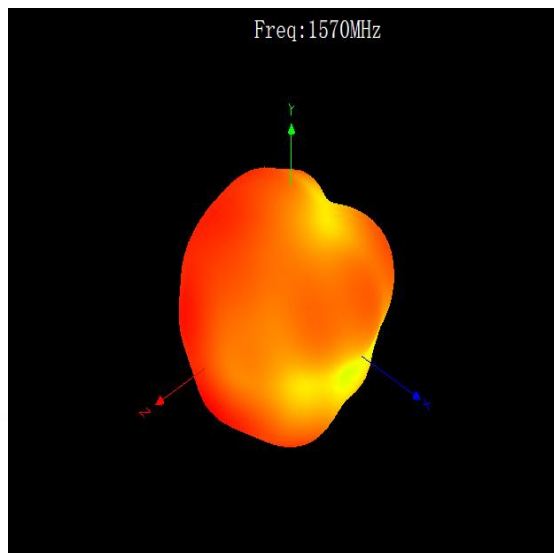
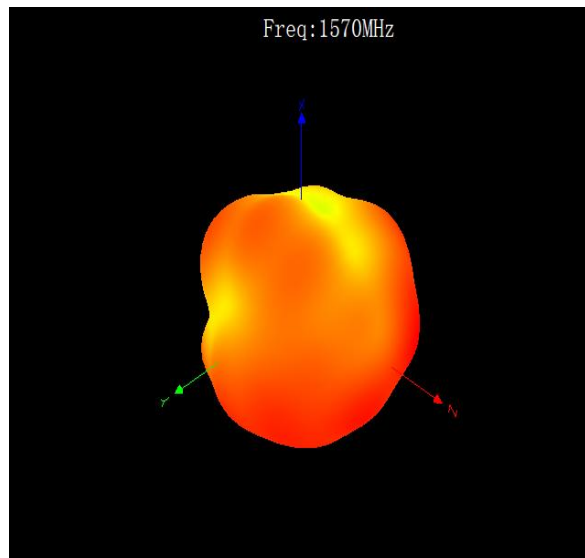




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3D-Etotal (1570Mhz)





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ANT Communication Technology (Shenzhen) Co., LTD.



THANK YOU!