

Antenna Test Report

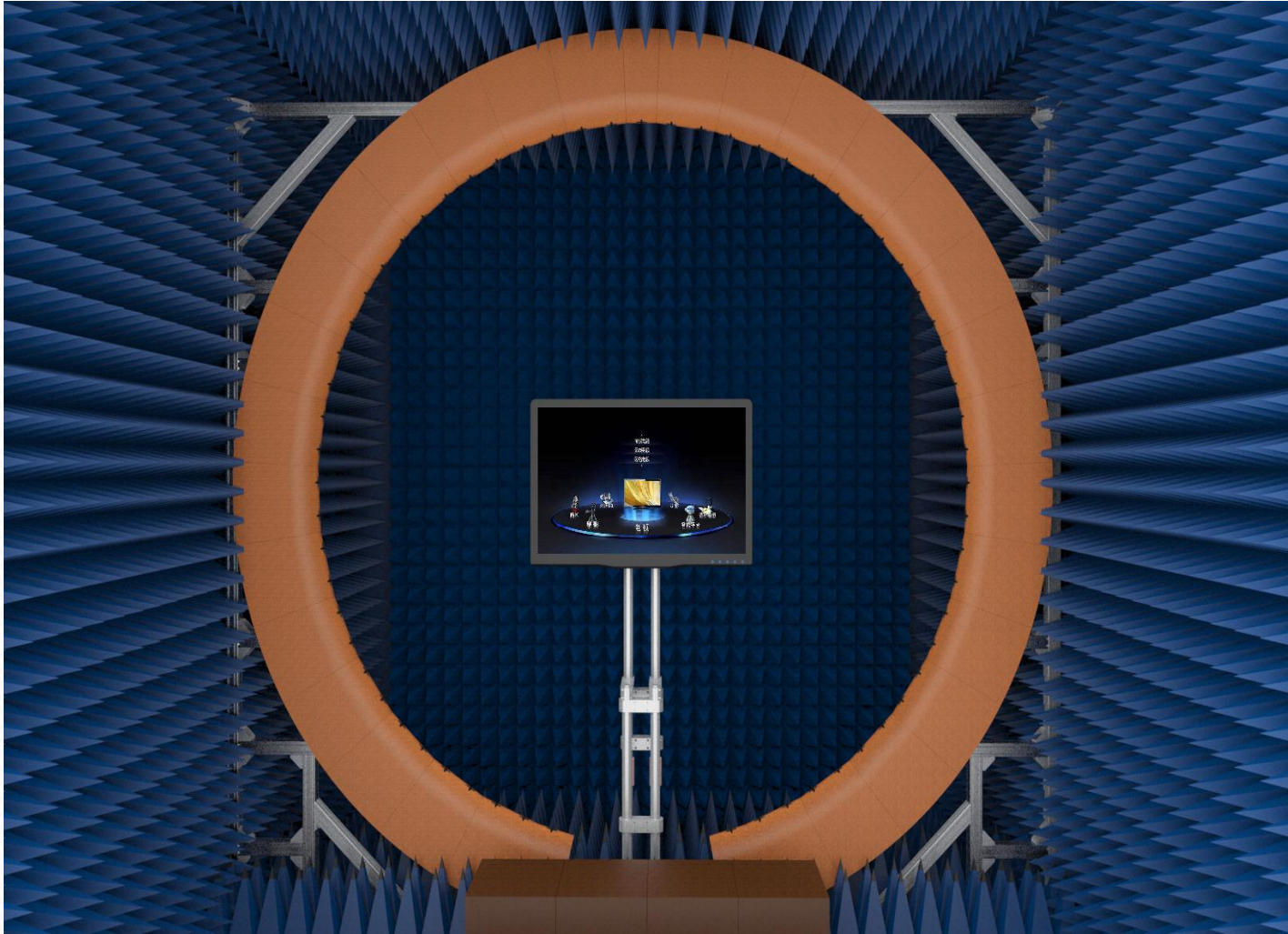
Manufacturer: 70mai

Model: DR2863

报告版本: 2026. 06. 02

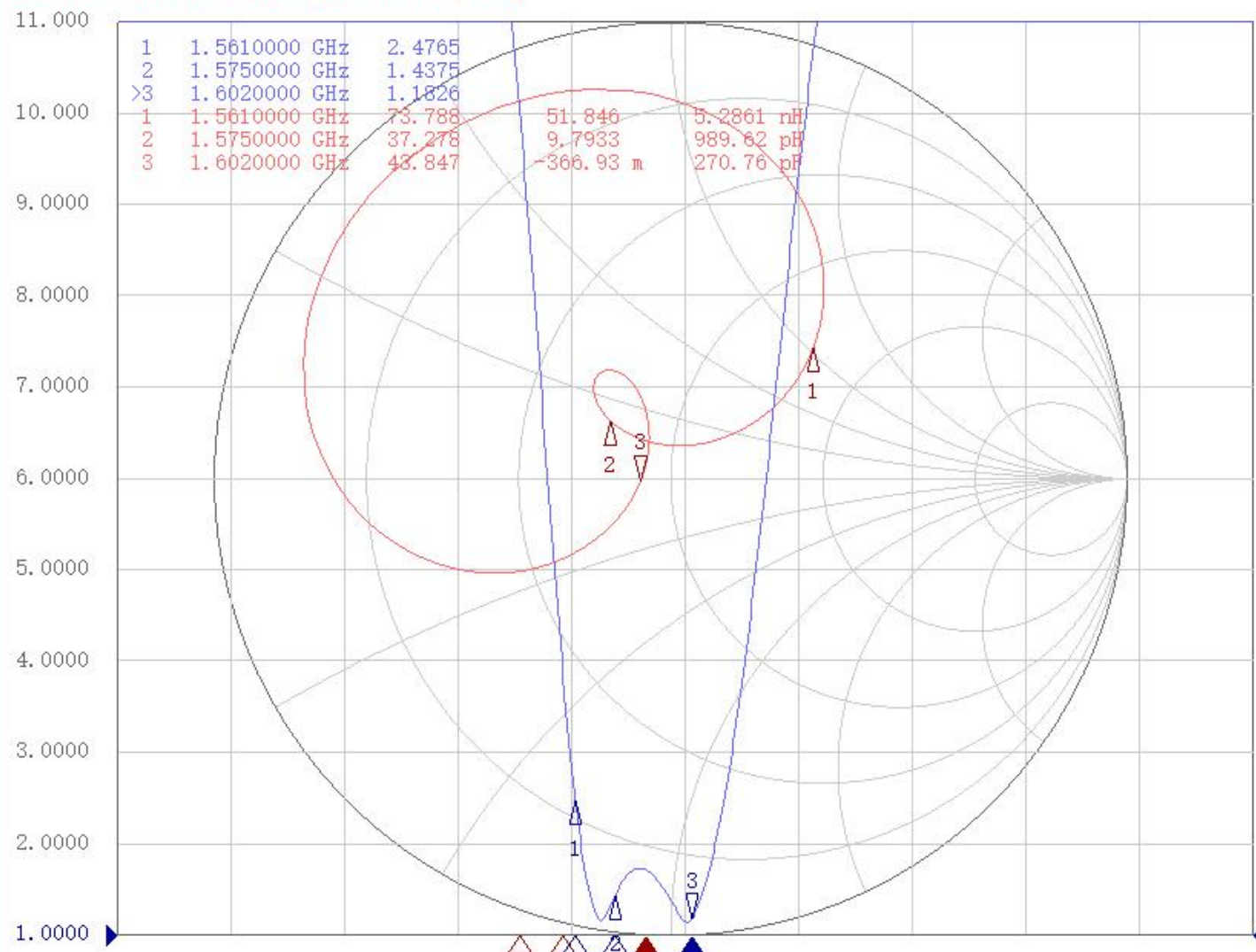
研 发: 陈桢灿

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	QTY
Equipment Name	
OTA Laboratory	10
5G Comprehensive Tester (SP9500-CTS)	3
R&S Comprehensive Tester (High-end CMW500)	7
Nihon Avitronics Comprehensive Tester (Dual-channel 8820)	4
NB-IoT Comprehensive Tester (SP8315)	3
Agilent Comprehensive Tester (8960)	9
Agilent Network Analyzer (E5062A)	7
Agilent Network Analyzer (E5071C 8.5GHz)	11
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R&S Network Analyzer (ZND)	10
R&S Network Analyzer (ZVB)	3
OTA Head/Ear/ Cochlea/Arm	5
GPS/WIFI Active Test Equipment	5

Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]
Tr2 S11 Smith (R + jX) Scale 1.000U [F1 M]

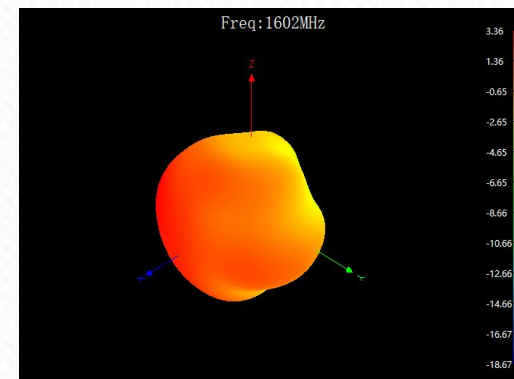
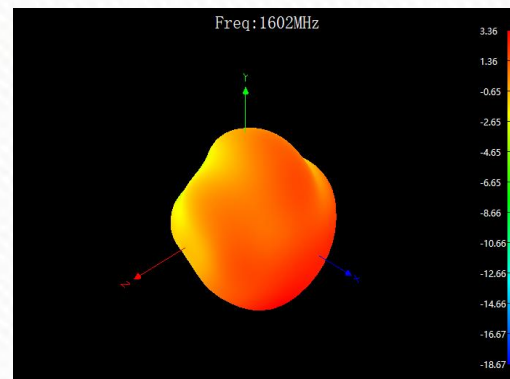
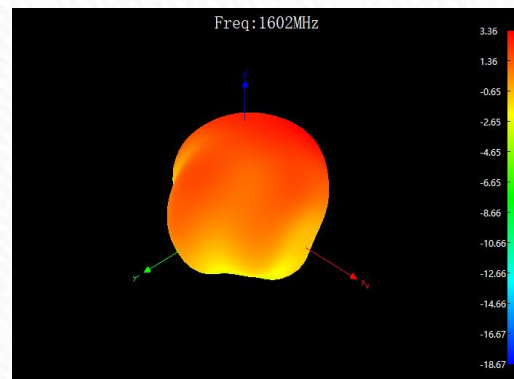
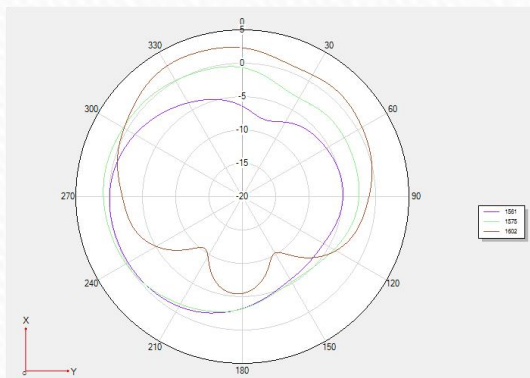
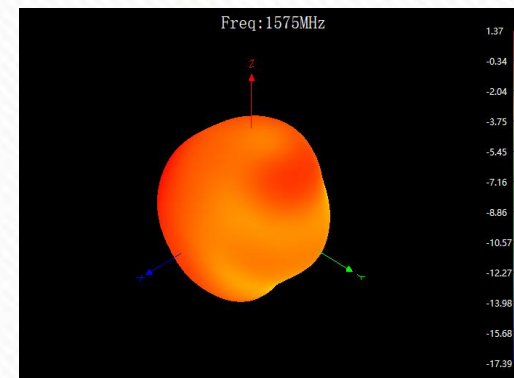
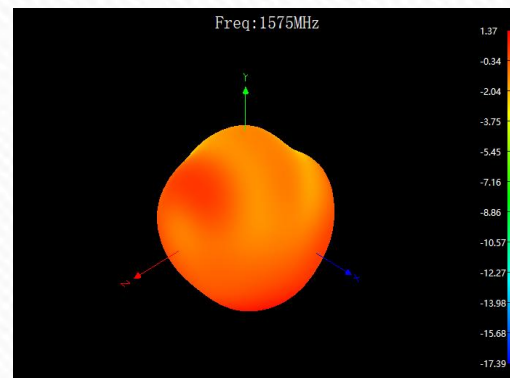
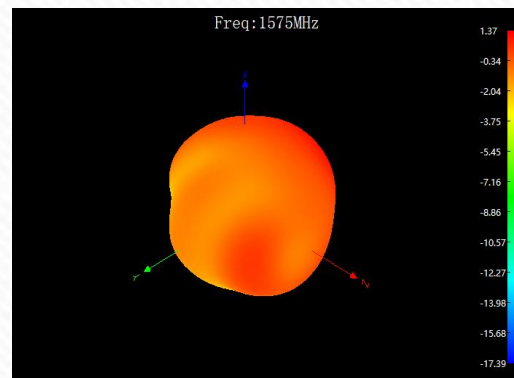
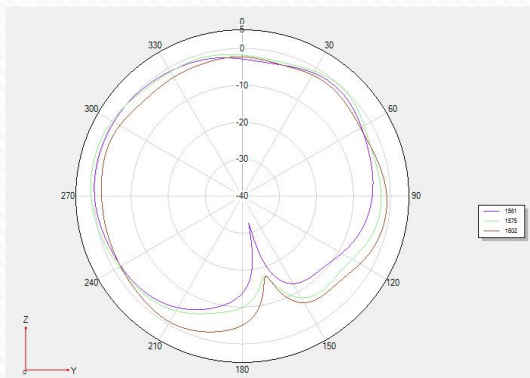
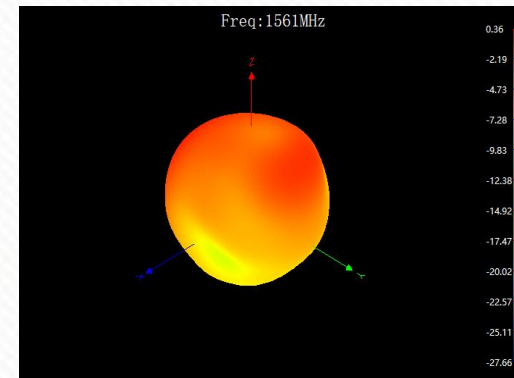
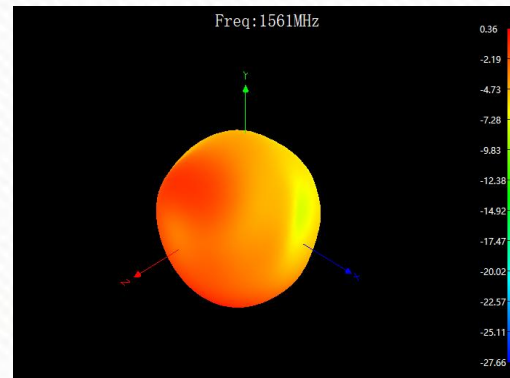
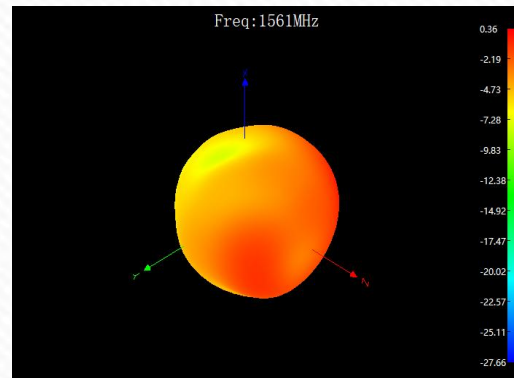
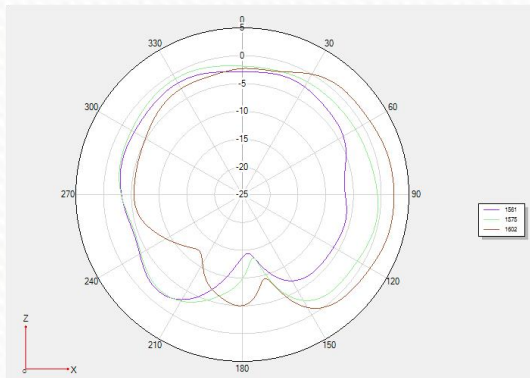


3 Start 1.4 GHz IFEW 10 kHz Points 801 Power 0 dBm Stop 1.8 GHz PExt C? !

Passive efficiency of GPS antenna

Frequency /MHz	Efficiency / dB	Efficiency / %	MaxGain /dBi	Frequency /MHz	Efficiency / dB	Efficiency / %	MaxGain /dBi
1550	-7.4	18.2	-2.73	1580	-2.41	57.41	1.44
1551	-7.05	19.72	-2.37	1581	-2.43	57.15	1.48
1552	-6.71	21.33	-2.1	1582	-2.44	57.02	1.54
1553	-6.38	23.01	-1.86	1583	-2.45	56.89	1.64
1554	-6.06	24.77	-1.65	1584	-2.47	56.62	1.78
1555	-5.73	26.73	-1.46	1585	-2.5	56.23	1.92
1556	-5.35	29.17	-1.09	1586	-2.5	56.23	2.05
1557	-4.98	31.77	-0.77	1587	-2.51	56.1	2.17
1558	-4.63	34.43	-0.44	1588	-2.55	55.59	2.28
1559	-4.33	36.9	-0.11	1589	-2.58	55.21	2.37
1560	-4.06	39.26	0.16	1590	-2.62	54.7	2.44
1561	-3.81	41.59	0.36	1591	-2.63	54.58	2.53
1562	-3.57	43.95	0.61	1592	-2.63	54.58	2.6
1563	-3.34	46.34	0.8	1593	-2.6	54.95	2.66
1564	-3.1	48.98	0.95	1594	-2.54	55.72	2.71
1565	-2.87	51.64	1.07	1595	-2.45	56.89	2.78
1566	-2.7	53.7	1.17	1596	-2.43	57.15	2.85
1567	-2.55	55.59	1.34	1597	-2.4	57.54	2.94
1568	-2.44	57.02	1.4	1598	-2.38	57.81	3.04
1569	-2.37	57.94	1.45	1599	-2.39	57.68	3.16
1570	-2.33	58.48	1.47	1600	-2.43	57.15	3.27
1571	-2.28	59.16	1.51	1601	-2.42	57.28	3.32
1572	-2.26	59.43	1.53	1602	-2.44	57.02	3.36
1573	-2.27	59.29	1.53	1603	-2.49	56.36	3.34
1574	-2.3	58.88	1.53	1604	-2.56	55.46	3.28
1575	-2.36	58.08	1.37	1605	-2.65	54.33	3.2
1576	-2.41	57.41	1.34	1606	-2.74	53.21	3.03
1577	-2.46	56.75	1.27	1607	-2.84	52	3
1578	-2.48	56.49	1.23	1608	-2.96	50.58	2.9
1579	-2.46	56.75	1.24	1609	-3.07	49.32	2.74
				1610	-3.18	48.08	2.62

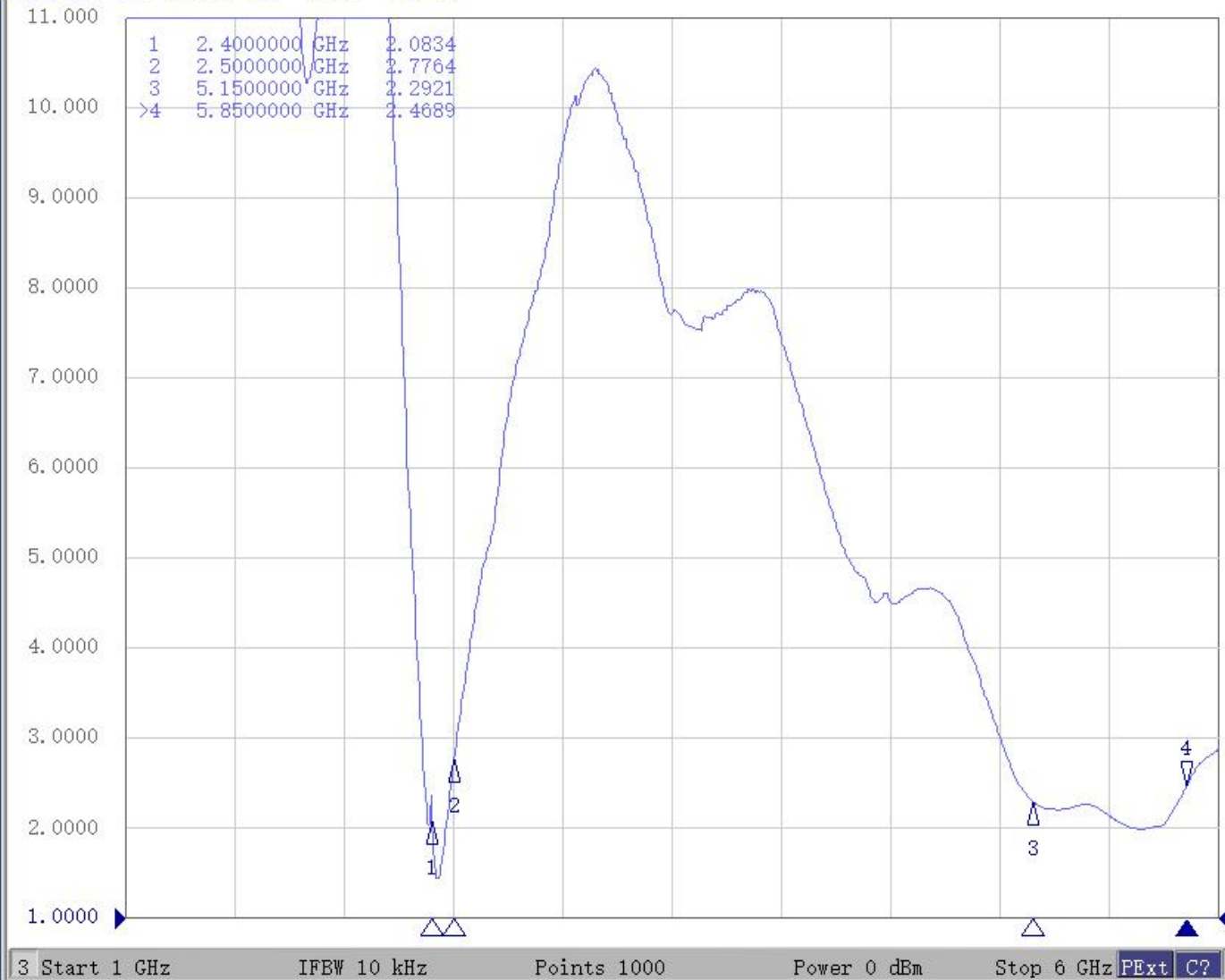
Passive efficiency of GPS antenna



Itenest Network Analyzer

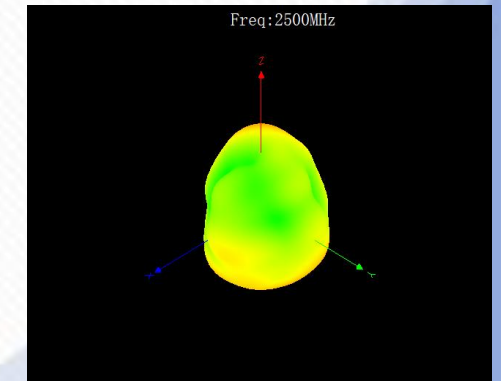
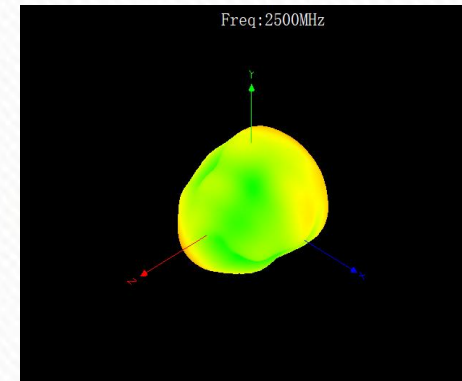
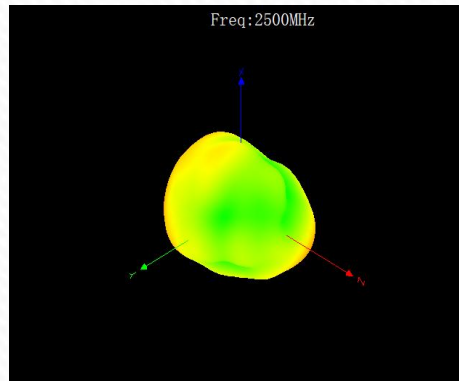
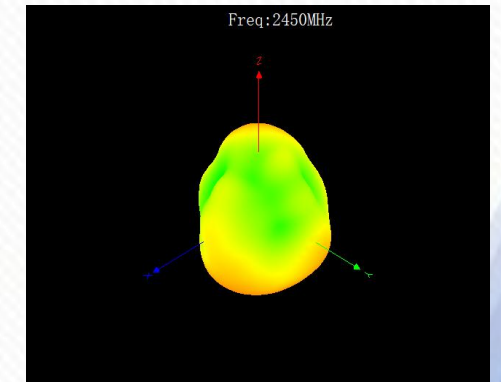
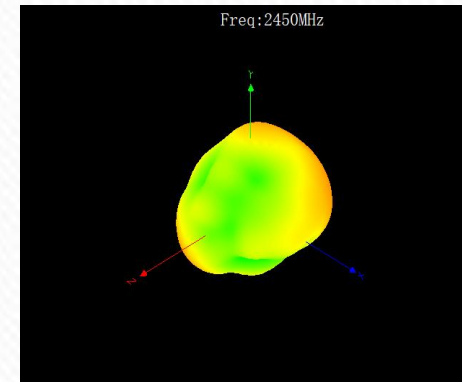
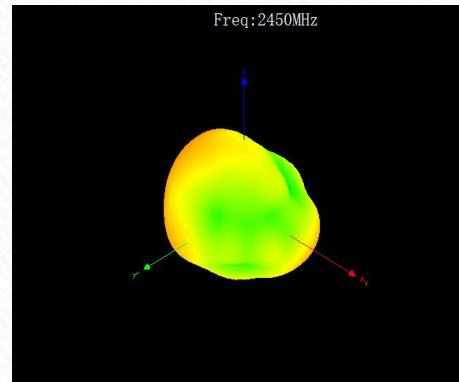
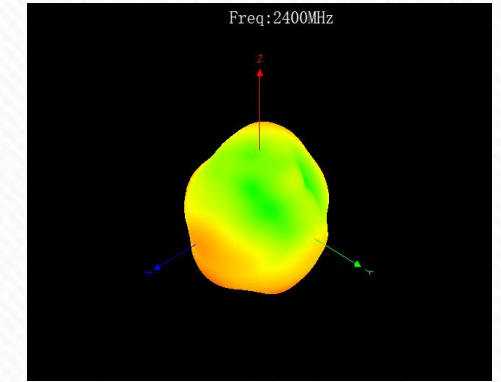
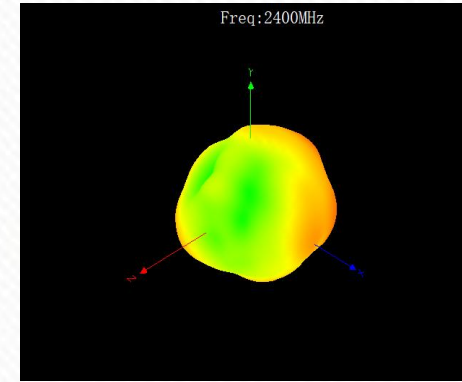
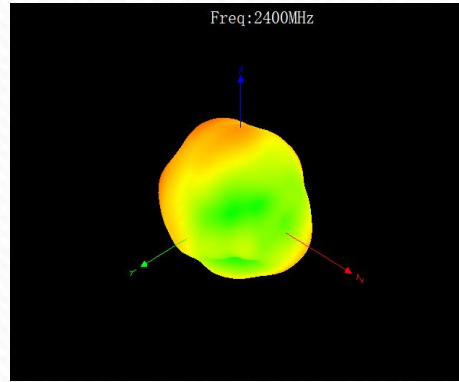
Active Ch/Trace Response Stimulus Mkr/Analysis Instr State Setting

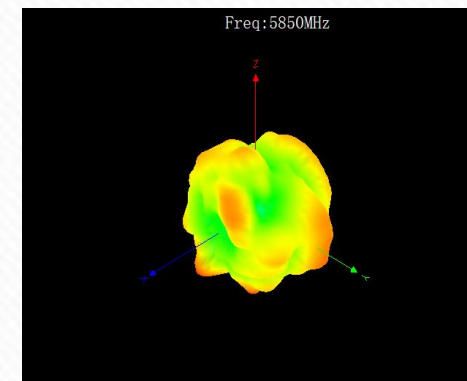
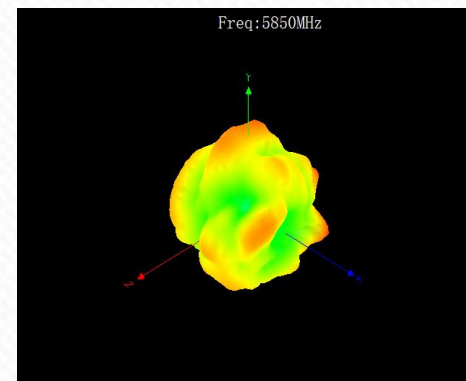
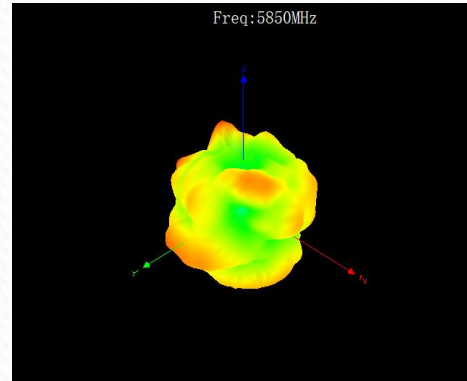
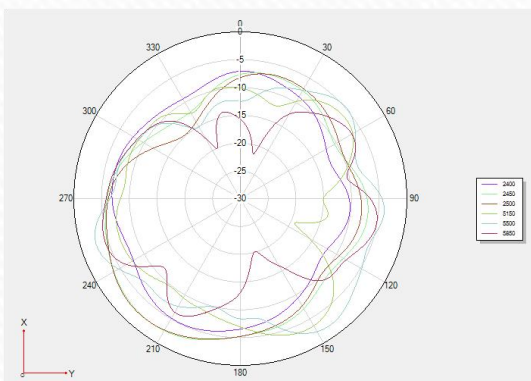
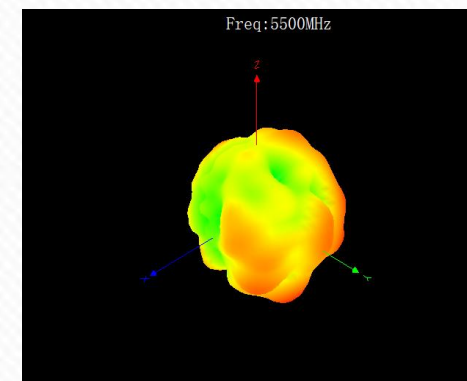
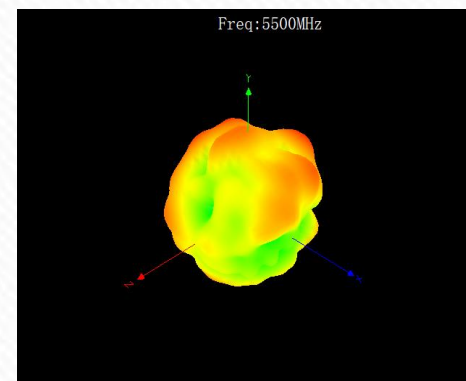
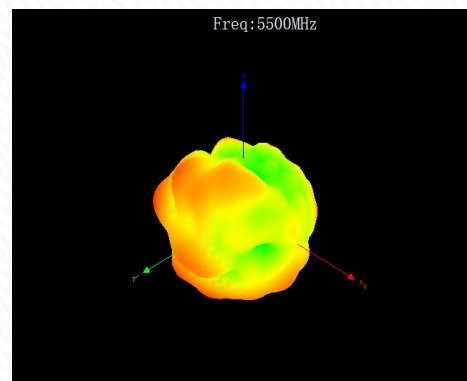
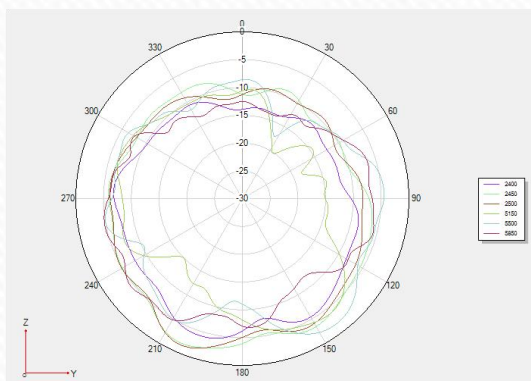
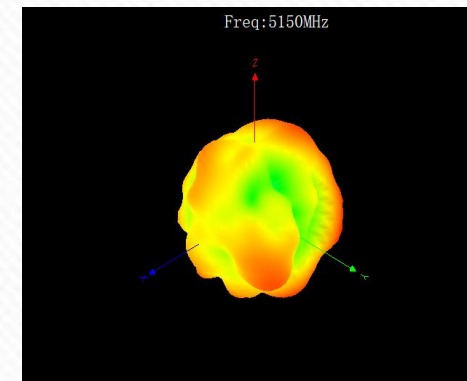
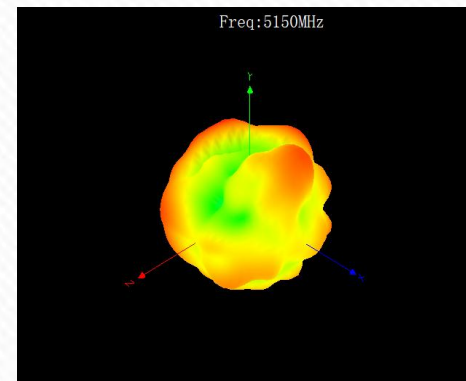
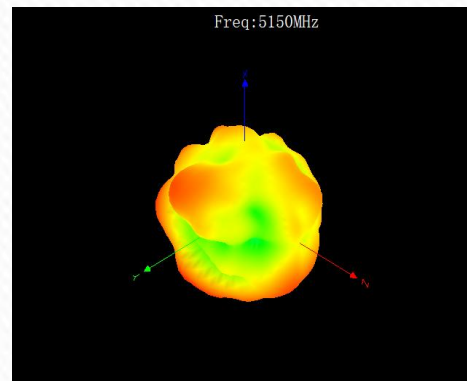
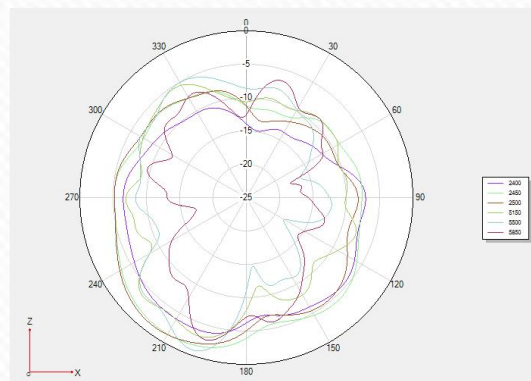
Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



Passive efficiency of the BT(BLE)&WIFI antenna

Frequency /Mhz	Efficiency / dB	Efficiency / %	MaxGain /dBi
2400	-4.62	34.51	-0.22
2410	-4.46	35.83	-0.69
2420	-4.4	36.31	0.61
2430	-4.64	34.36	-0.16
2440	-4.45	35.89	-0.07
2450	-4.65	34.27	-0.35
2460	-4.55	35.08	-0.16
2470	-4.67	34.11	-0.68
2480	-4.7	33.89	0.09
2490	-4.71	33.81	-0.13
2500	-4.68	34.04	0.29
5150	-6.1	24.52	-0.42
5200	-5.8	26.28	-0.25
5250	-7.94	16.07	0.16
5300	-5.77	26.51	-0.61
5350	-5.39	28.92	0.46
5400	-5.43	28.66	0.09
5450	-5.34	29.26	0.38
5500	-5.31	29.44	0.32
5550	-5.42	28.71	0.41
5600	-5.21	30.13	0.3
5650	-5.63	27.35	0.42
5700	-6.01	25.06	0.3
5750	-5.85	26	0.01
5800	-5.93	25.55	0.28
5850	-6.13	24.37	-0.29





		1#		2#	
Band	Channel	TRP	TIS	TRP	TIS
_B	1	13.67	-80.68	12.96	-81.64
	6	13.42	-81.55	13.41	-82.44
	11	13.52	-81.47	13.67	-81.78
_A	36	12.55	-69.19	13.45	-70.73
	149	11.87	-69.63	11.81	-69.87
	165	11.76	-70.34	12.19	-69.63
GPS		-153.65		-153.39	

Thank You



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