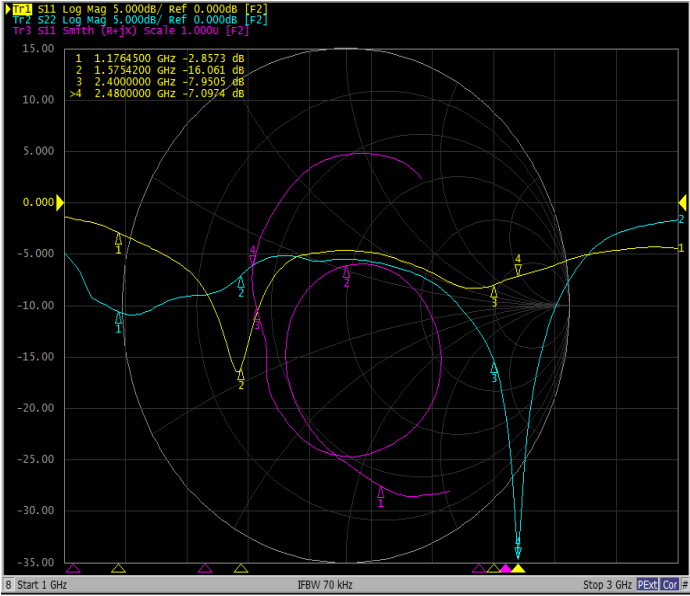




Antenna report

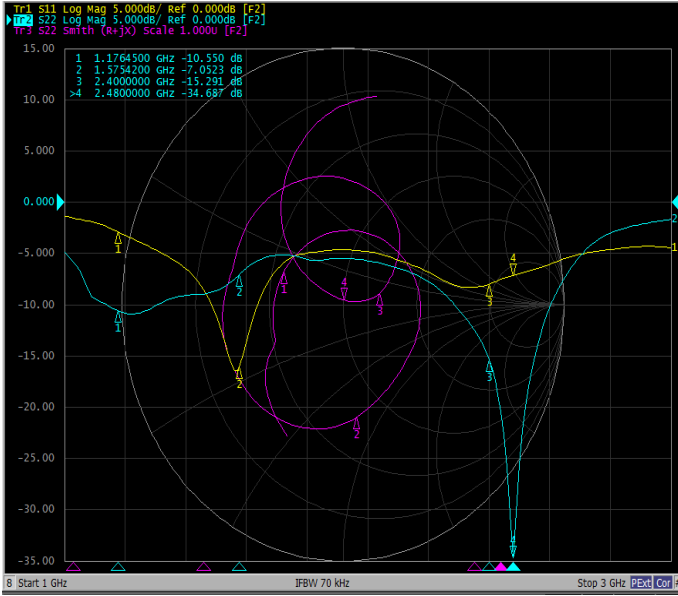
Model	Antenna type	Antenna supplier	Address
E55	LOOP antenna	Shenzhen Weirchuang Communication Technology Co., Ltd	2F, Building 8, Tongfutun Industrial Zone, Dalangshiao, Longhua District, Shenzhen, Guangdong Province

EFF&S11



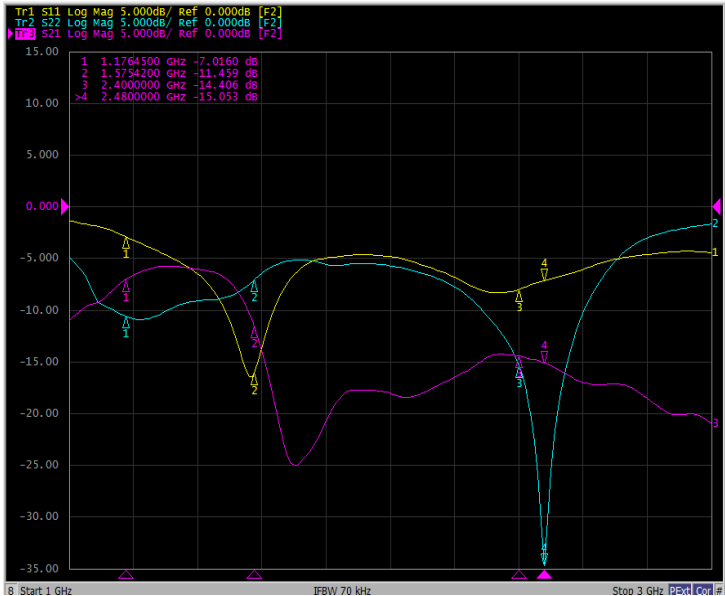
GPS L1 Gain:-5.98dBi (PEAK)

频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
1550	-13.07	4.94	-7.67
1555	-12.81	5.24	-7.38
1560	-12.61	5.48	-7.19
1565	-12.48	5.65	-7.05
1570	-12.33	5.84	-6.81
1575	-12.13	6.13	-6.48
1580	-11.96	6.37	-6.17
1585	-11.83	6.56	-5.98
1590	-11.76	6.67	-5.92
1595	-11.94	6.39	-6.13
1600	-11.86	6.51	-6.13



GPS L5 Gain:-13.33dBi (PEAK)

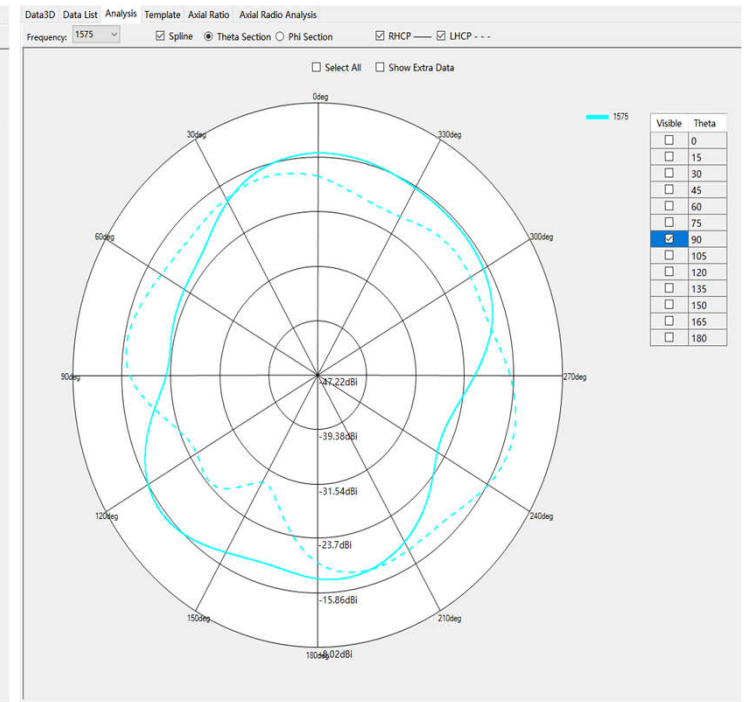
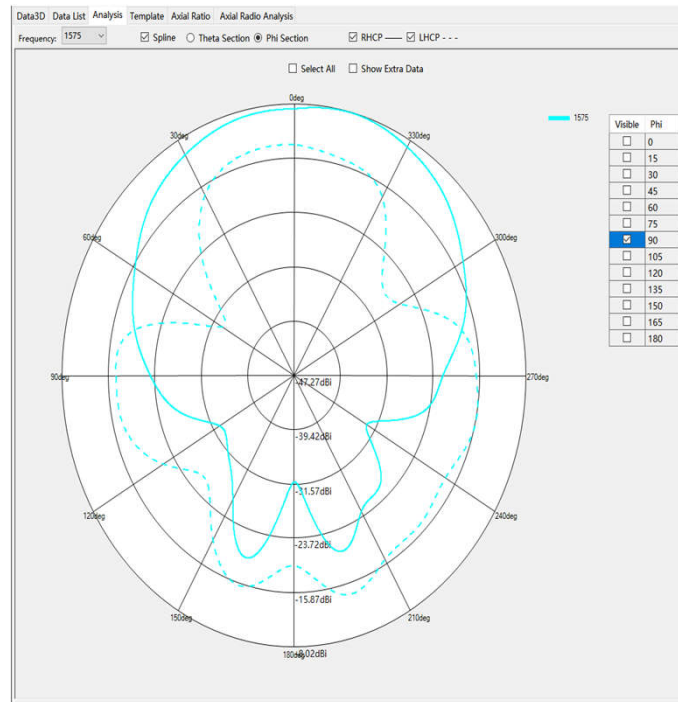
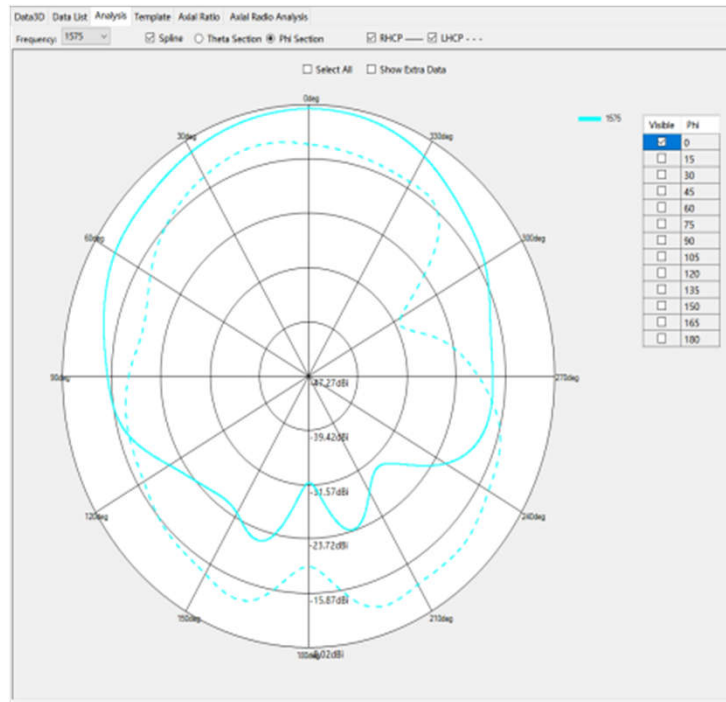
频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
1150	-18.16	1.53	-14.32
1155	-18.06	1.56	-14.38
1160	-17.93	1.61	-14.36
1165	-17.82	1.65	-14.38
1170	-17.7	1.7	-14.32
1175	-17.62	1.73	-14.1
1180	-17.56	1.75	-13.86
1185	-17.45	1.8	-13.57
1190	-17.37	1.83	-13.4
1195	-17.41	1.82	-13.33
1200	-17.45	1.8	-13.33



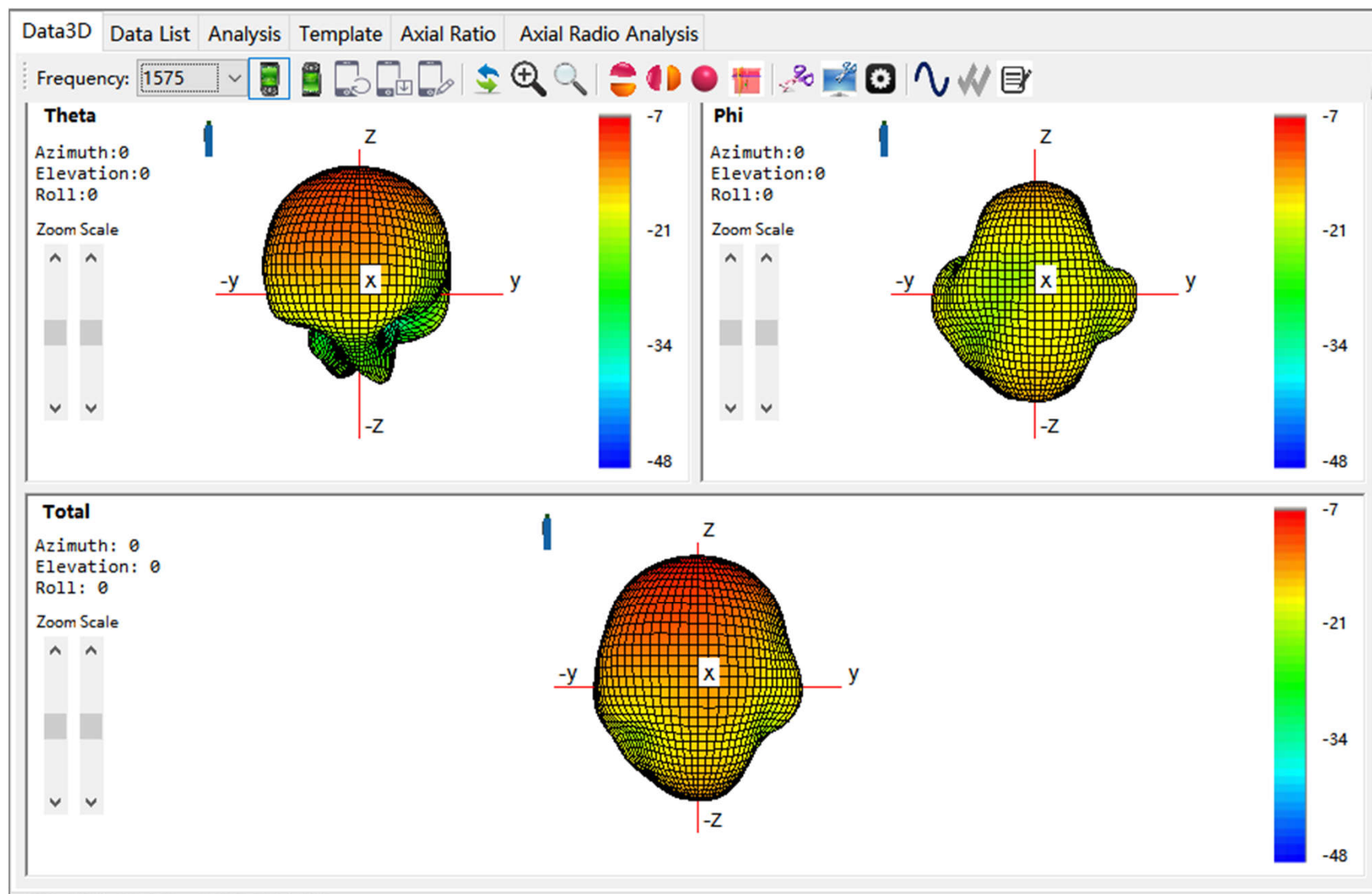
BT Gain:-2.12dBi (PEAK)

频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
2400	-9.09	12.33	-2.12
2410	-9.31	11.73	-2.37
2420	-9.29	11.79	-2.28
2430	-9.55	11.08	-2.54
2440	-9.48	11.27	-2.42
2450	-9.61	10.95	-2.45
2460	-9.81	10.44	-2.61
2470	-10.25	9.44	-2.95
2480	-10.23	9.49	-2.85
2490	-10.46	9	-2.99
2500	-10.4	9.13	-2.89

Directional Diagram-2D



Directional Diagram-3D



ITEM	model	Calibration Date
GPS test equipment	E4438C	2025.7.19--2026.07.19
BT test equipment	CMW500	2025.7.19--2026.07.19

