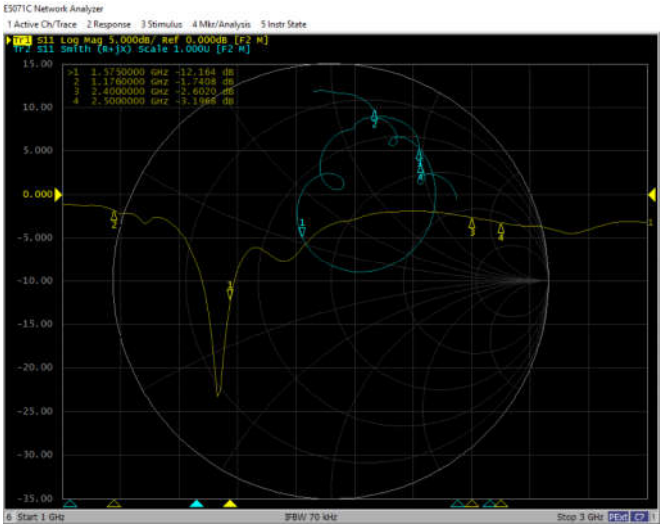


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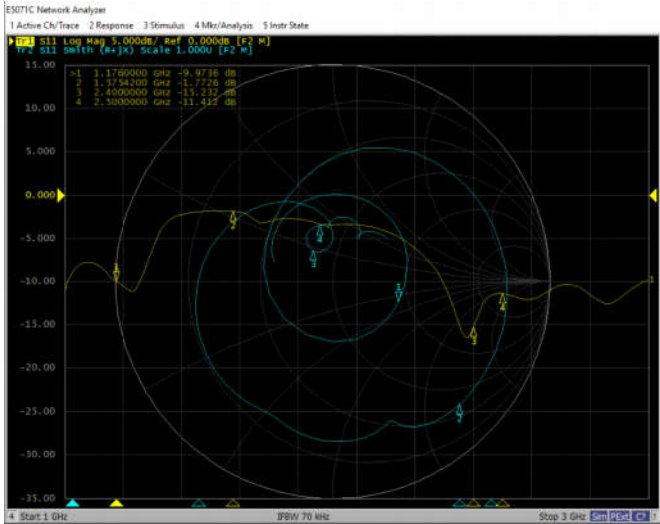
Model	Antenna type	Antenna supplier	Address
XT2649-1	Loop antenna	Shenzhen Weirchuang Communication Technology Co., Ltd	2F, Building 8, Tongfutun Industrial Zone, Dalangshiao, Longhua District, Shenzhen, Guangdong Province

EFF&S11



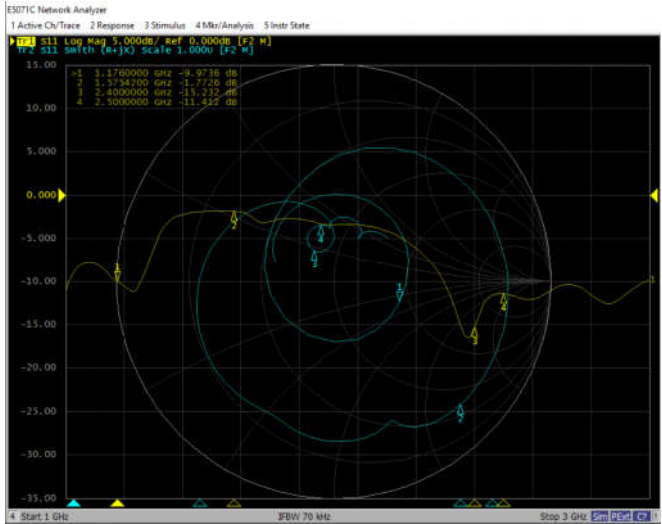
GPS L1 Gain:-10.36dBi (PEAK)

频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
1525	-14.95	3.2	-11.16
1535	-14.9	3.24	-11.04
1545	-14.87	3.26	-10.99
1555	-14.62	3.46	-10.61
1565	-14.51	3.54	-10.36
1575	-14.62	3.45	-10.5
1585	-15.09	3.09	-10.83
1595	-15.69	2.7	-11.13
1605	-16.18	2.41	-11.5
1615	-16.71	2.13	-12.14
1625	-17.03	1.98	-12.75



GPS L5 Gain:-16dBi (PEAK)

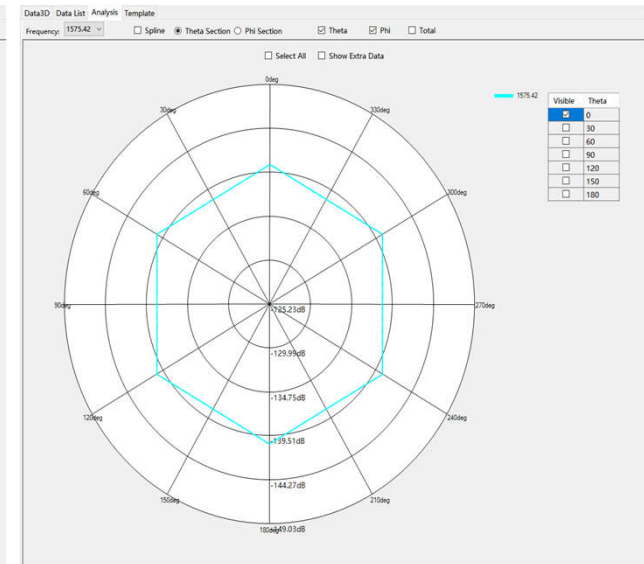
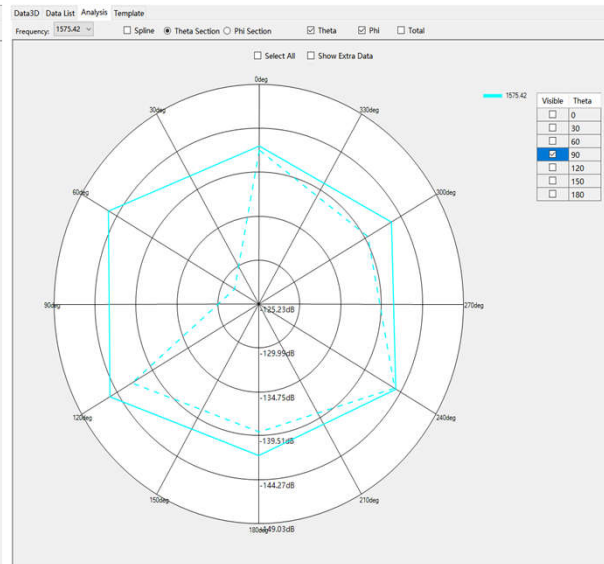
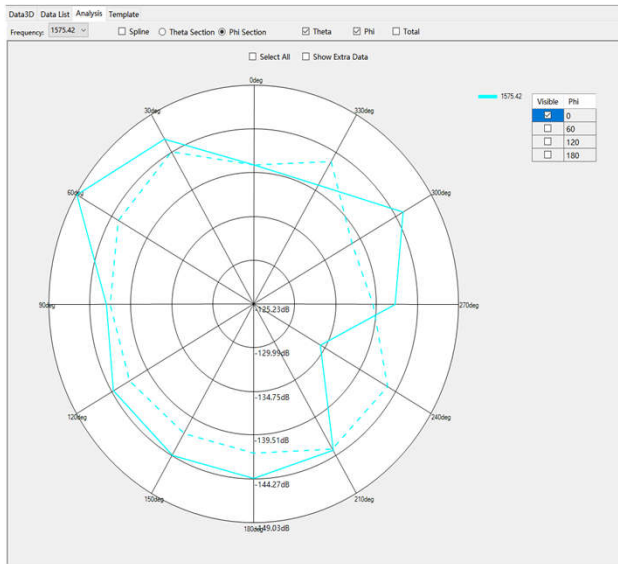
频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
1125	-21.12	0.77	-17.15
1135	-20.79	0.83	-16.67
1145	-20.59	0.87	-16.14
1155	-20.85	0.82	-16.23
1165	-20.69	0.85	-16.24
1175	-20.28	0.94	-16.03
1185	-20.32	0.93	-16
1195	-20.43	0.91	-16.14
1205	-20.5	0.89	-16.17
1215	-20.64	0.86	-16.09
1225	-20.98	0.8	-16.52



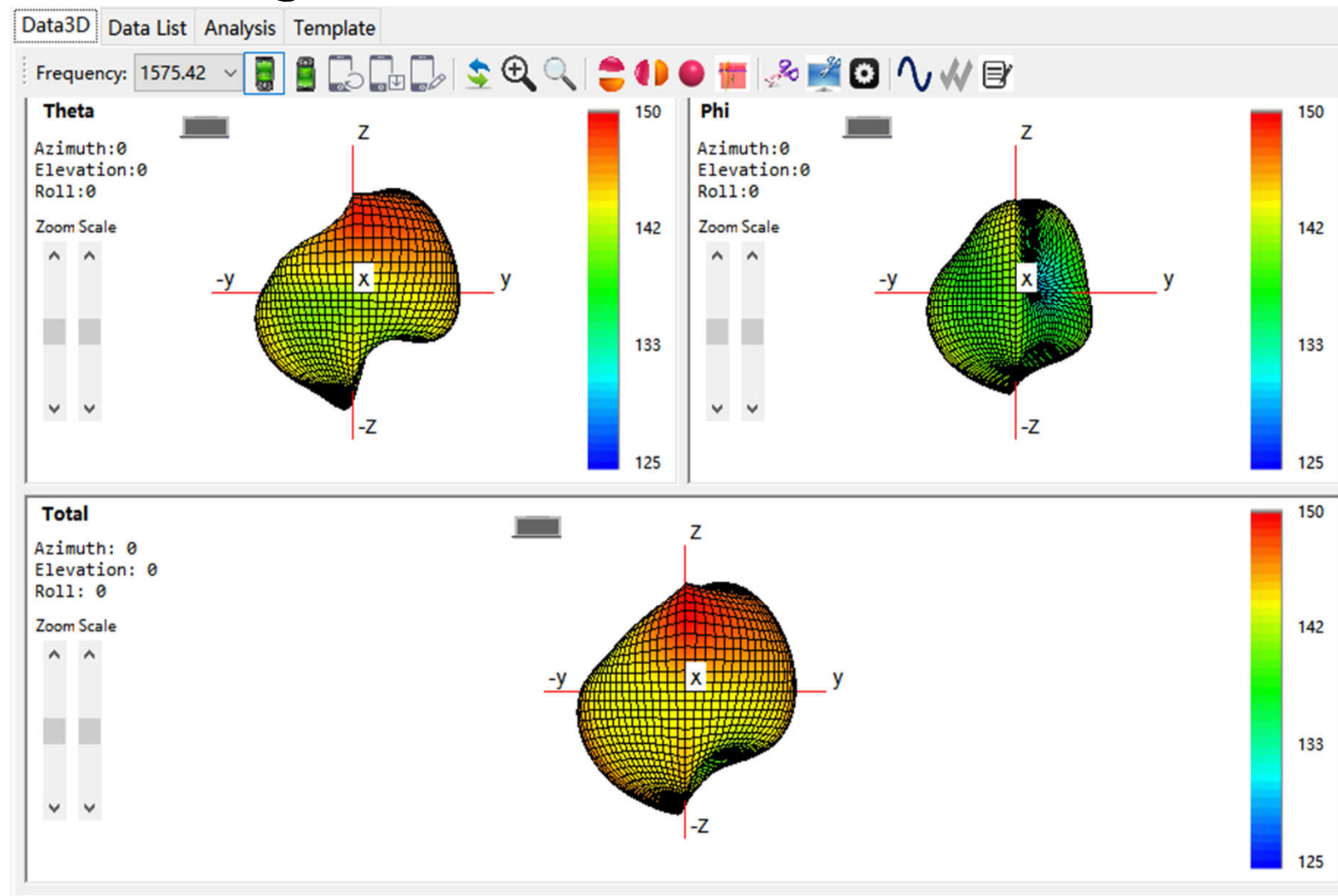
BT Gain:-8.69dBi (PEAK)

频率 (MHz)	效率 (dB)	效率 (%)	增益 (dBi)
2400	-13.91	4.07	-8.69
2410	-14.18	3.82	-8.99
2420	-14.1	3.89	-8.94
2430	-14.17	3.83	-9.16
2440	-14.19	3.81	-9.22
2450	-14.01	3.98	-8.93
2460	-14.22	3.79	-9.13
2470	-14.09	3.9	-9
2480	-14.39	3.64	-9.43
2490	-14.53	3.52	-9.45
2500	-14.67	3.41	-9.33

Directional Diagram-2D



Directional Diagram-3D



ITEM	model	Test Software	Calibration Date
GPS test equipment	E4438C	GTS MaxSign-RayZone2800E_Z	2025.7.19--2026.07.19
BT test equipment	CMW500	GTS MaxSign-RayZone2800E_Z	2025.7.19--2026.07.19