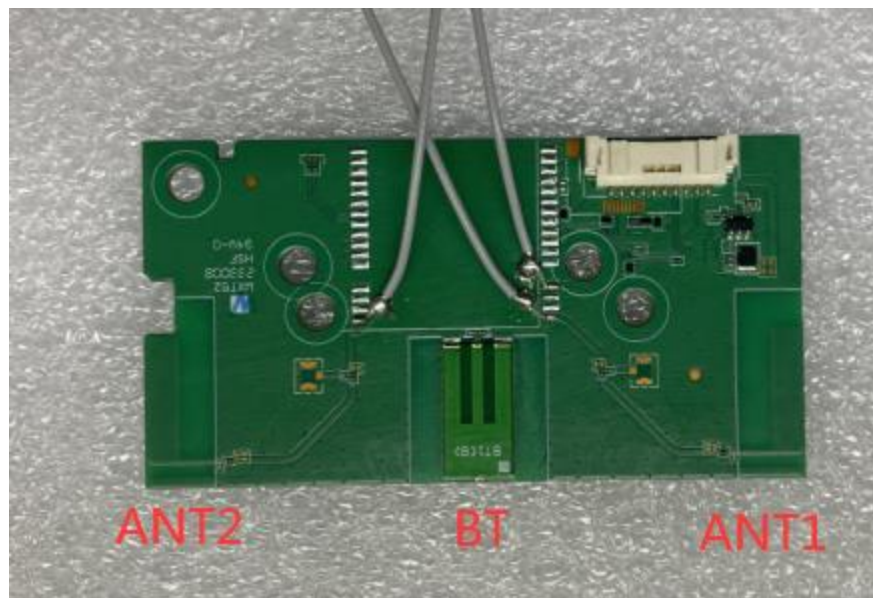


WXT52 ANT test report

- ☐ Test Picture
- ☐ Test Environment
- ☐ Test Program
- ☐ Test Data

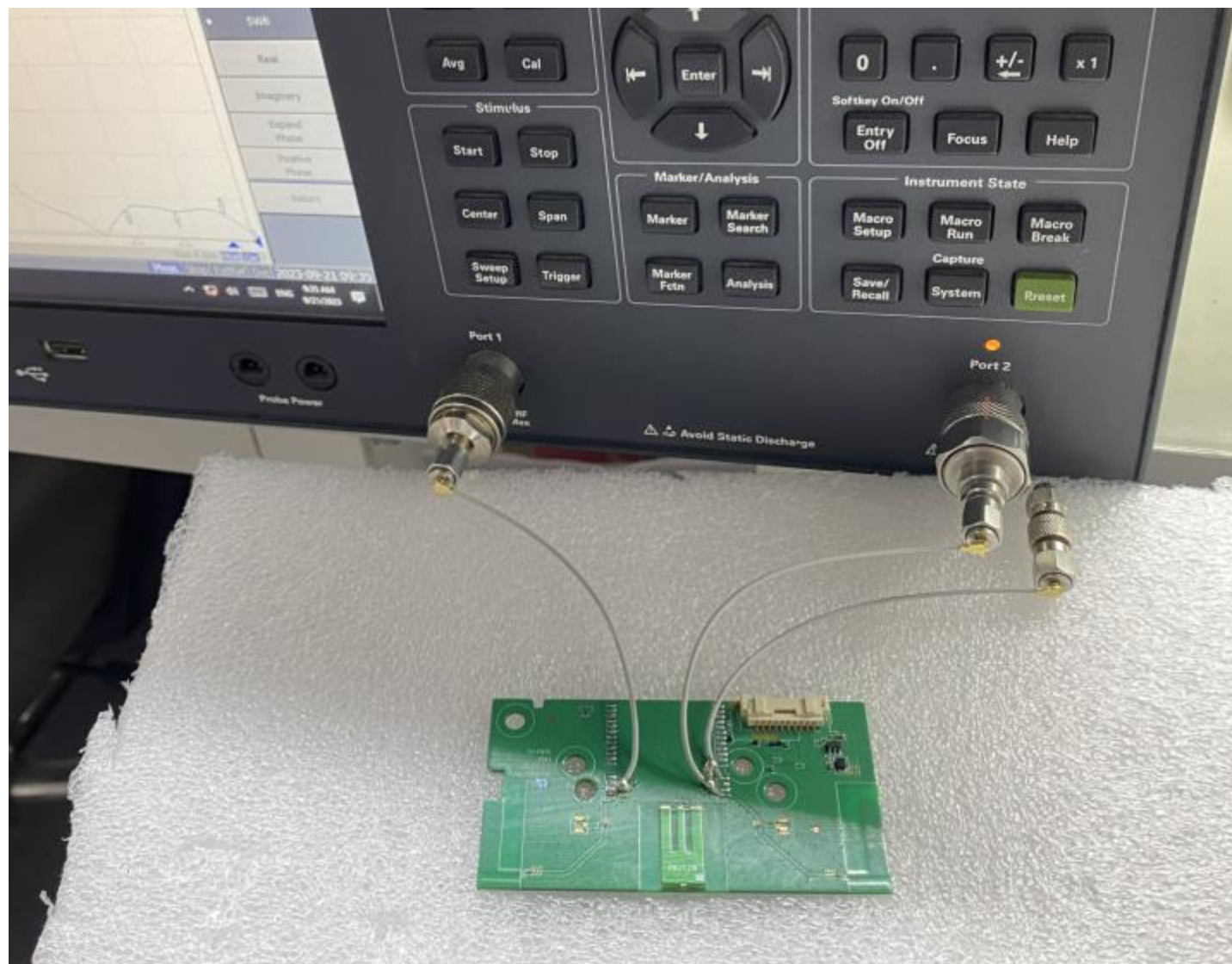
Test Picture



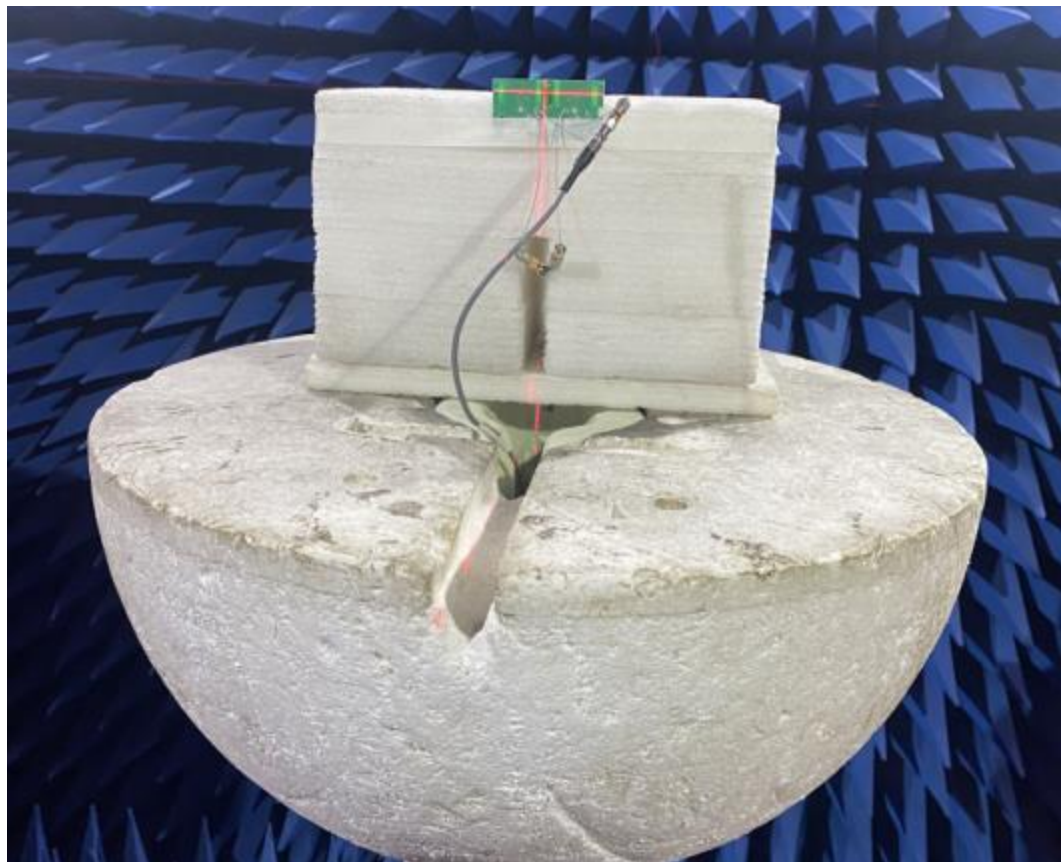
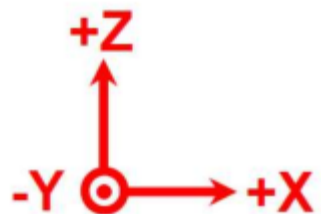
Test Environment

Test Lab	ZTX SATIMO SG24 Shielding room					
Test Lab Address	No 34 <u>Shilong RD, Shiyan Street, Baoan District, Shenzhen, Guangdong</u>					
Test Date	2023.9.25					
Tester	Zhao Feng					
Test Software	<u>Satimo.Spm</u>					
Software Vision	1.5.5					
Test Standard	GB/T 9410-2008					
Equipment list	Equipment	Manufacturer	Model	SN	Last cal.	<u>Dul</u> Date
	Network analyzer	Agilent	E5071C	MY46521960	2023. 04. 20	2024. 04. 19
	SG24 antenna system	SATIMO	SG24		2023. 04. 20	2024. 04. 29

Test Environment: S11 test

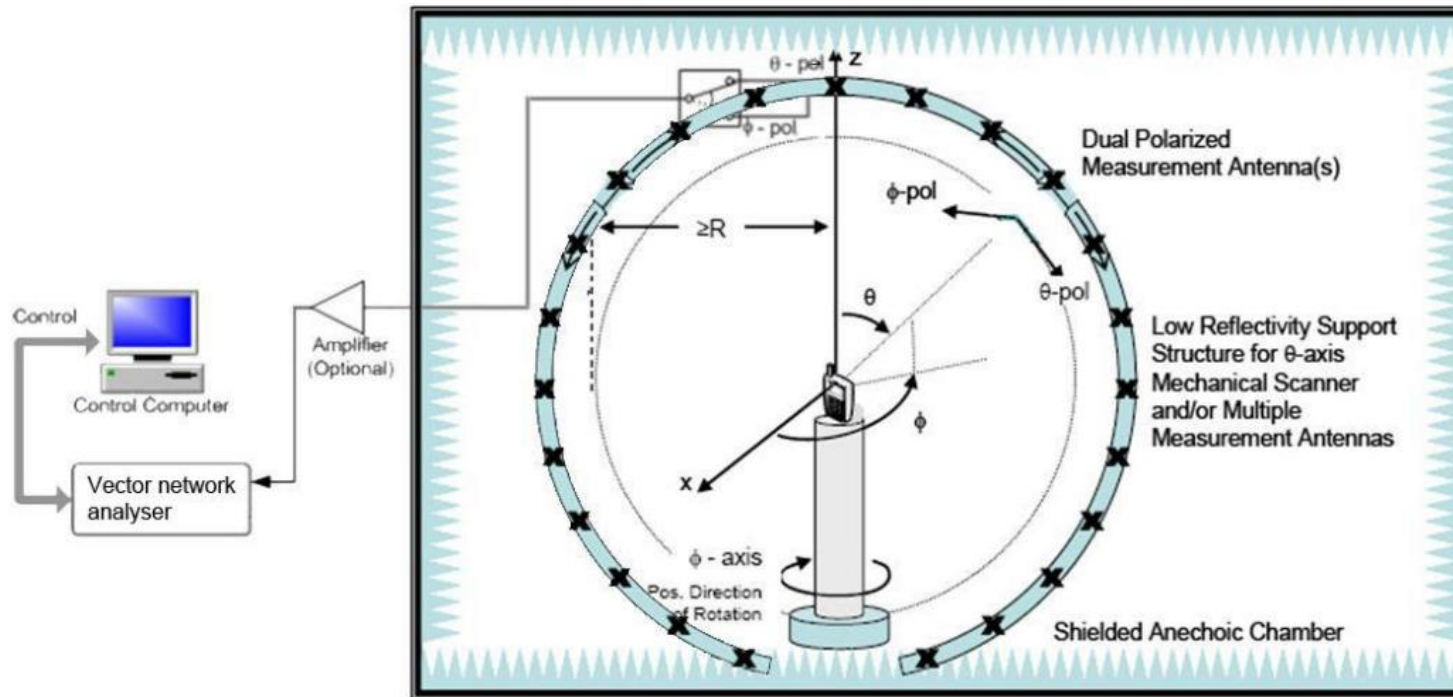


Test Environment Picture

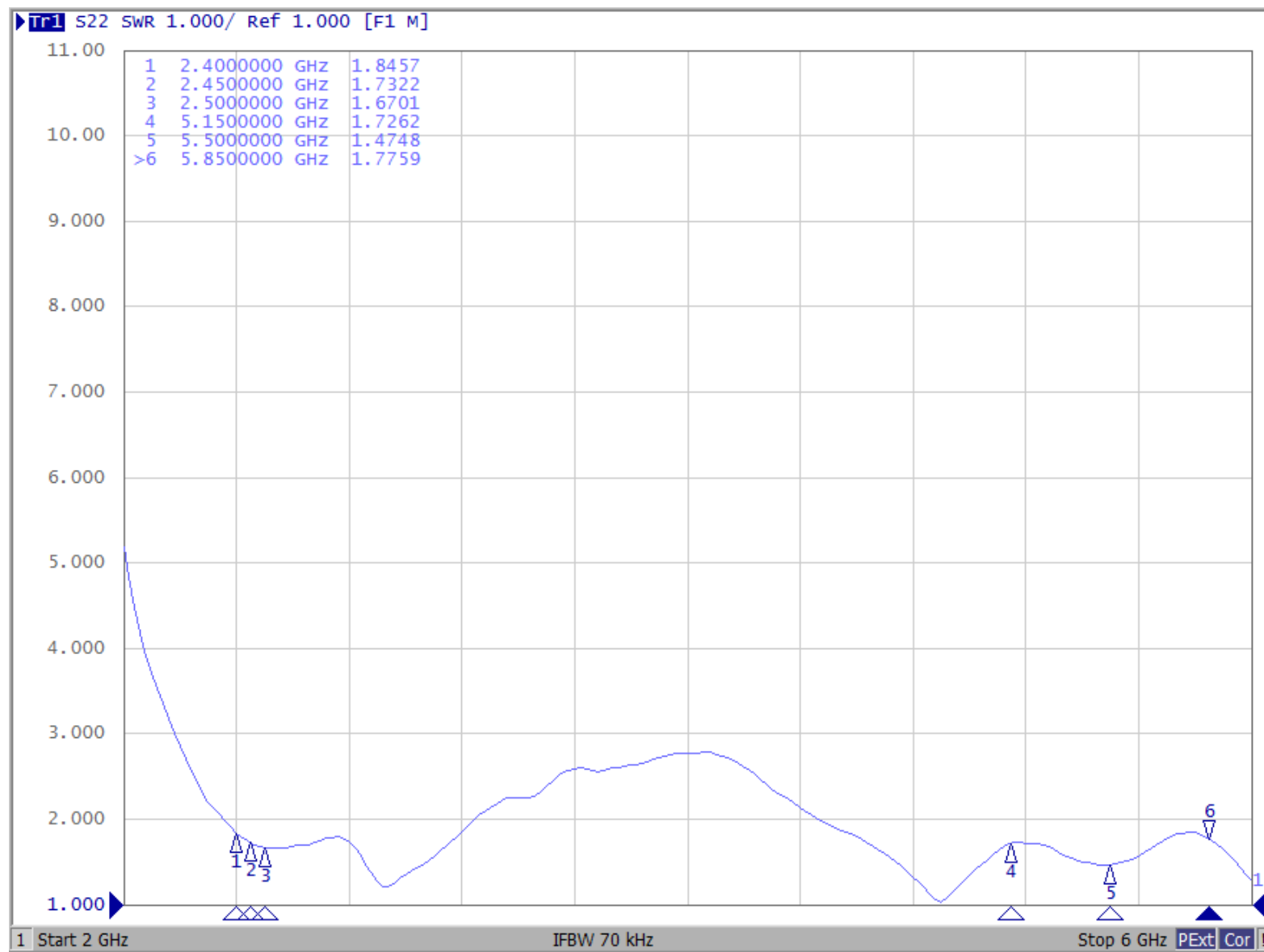


Test Program

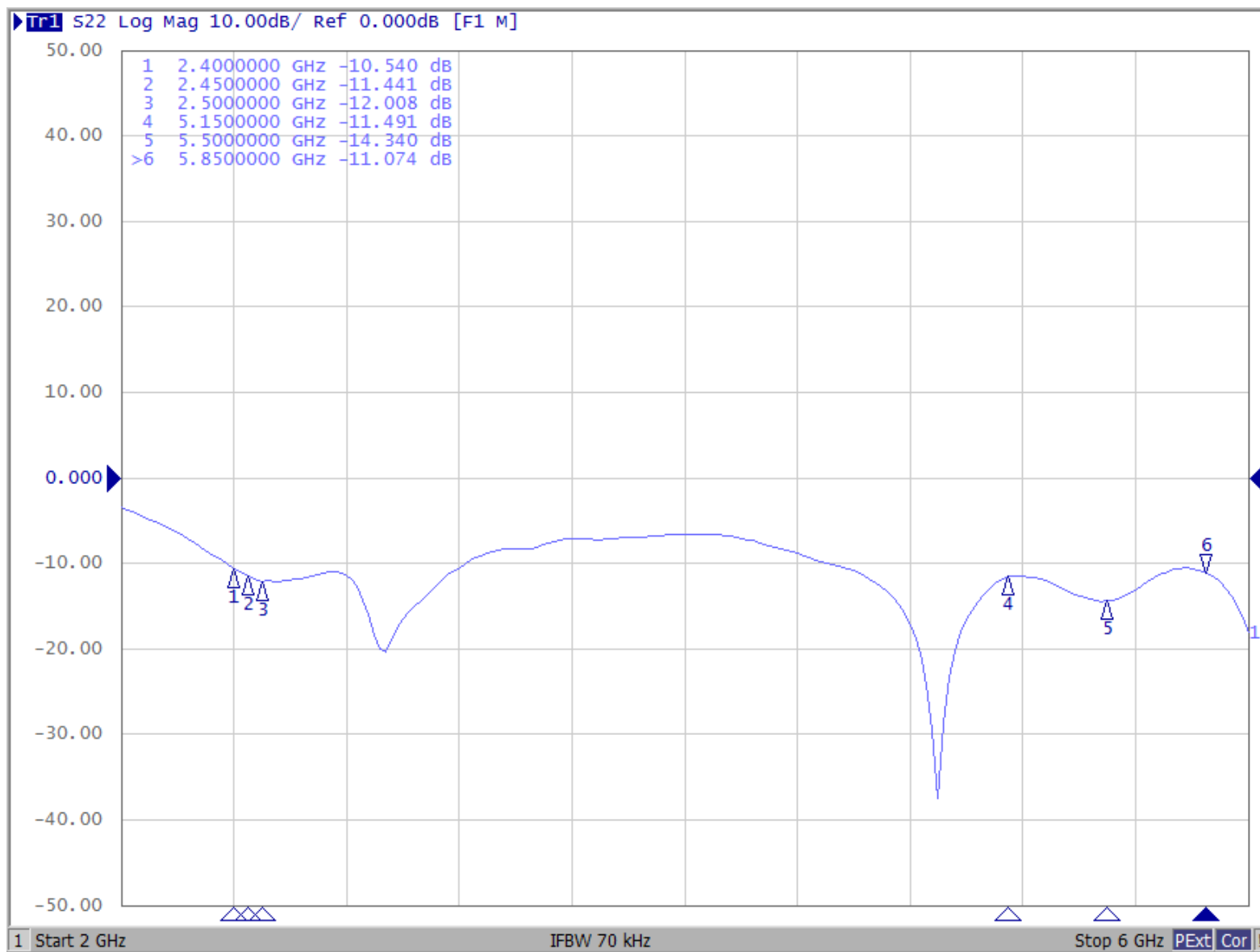
Antenna Efficiency、Antenna Gain、Antenna Pattern Test



Test Data (ANT1-VSWR)



Test Data (ANT1-Return loss)

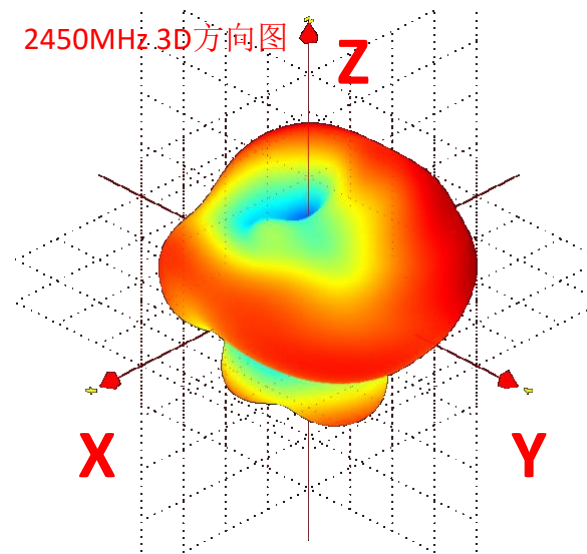
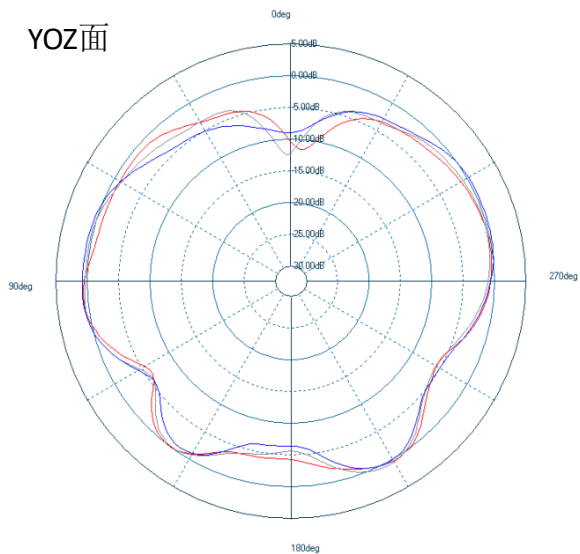
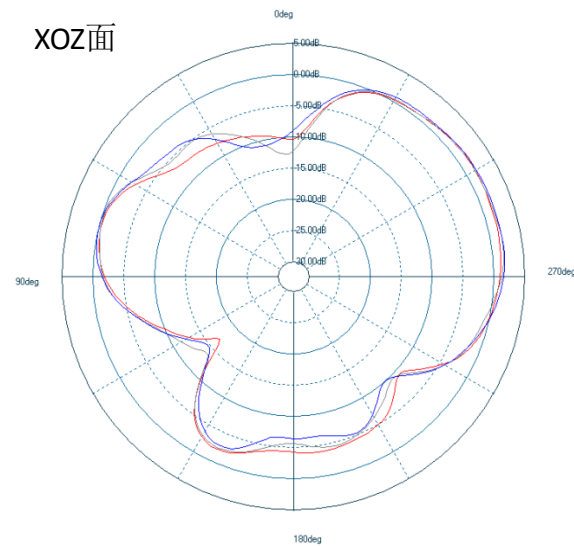
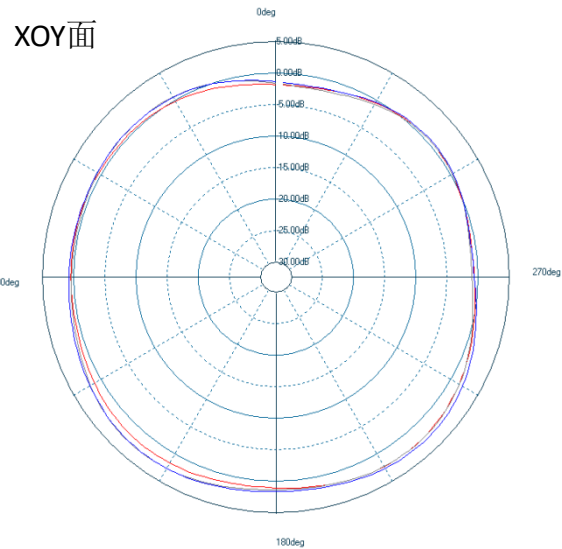


Test Data (ANT1-Efficiency/Gain)

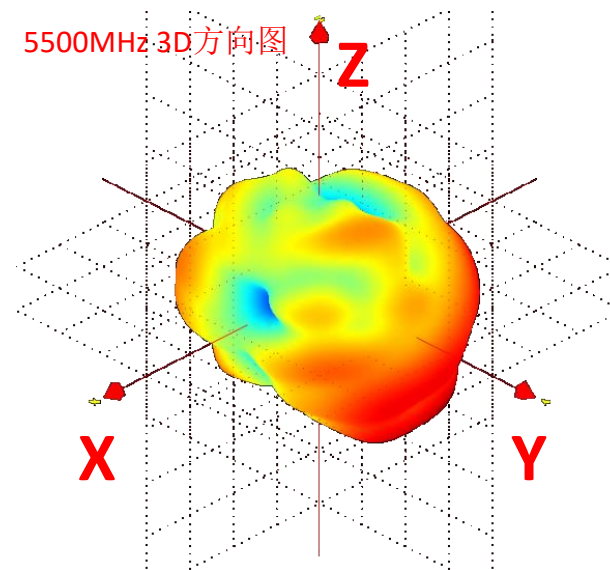
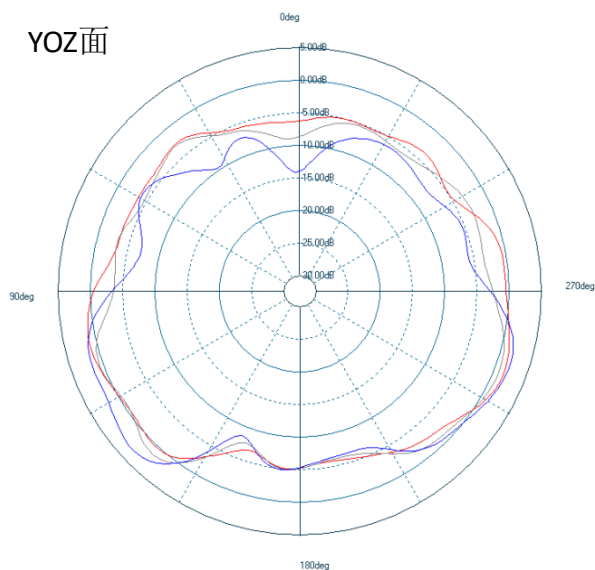
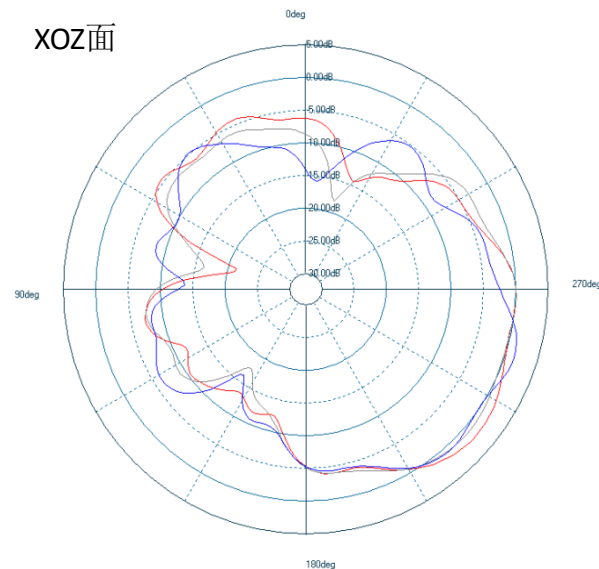
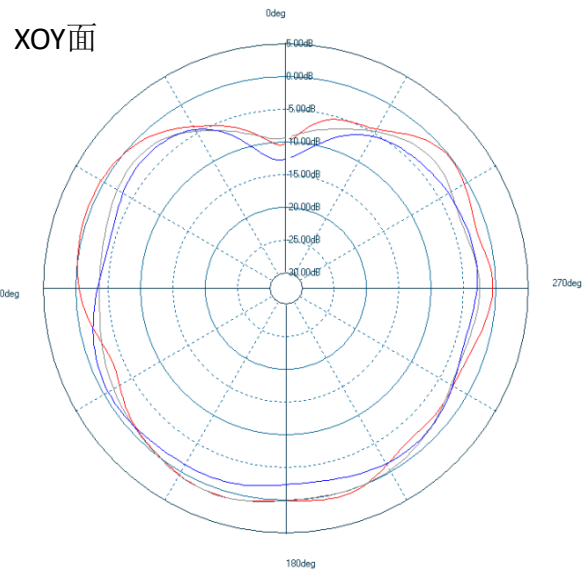
Frequency	Efficiency		Peak Gain	Directivity
Mhz	%	dB	dB	dB
2400	54.96	-2.60	2.24	4.84
2410	57.39	-2.41	2.32	4.73
2420	58.74	-2.31	2.34	4.65
2430	57.61	-2.40	2.44	4.83
2440	59.35	-2.27	2.53	4.79
2450	61.14	-2.14	2.63	4.77
2460	60.07	-2.21	2.76	4.97
2470	60.30	-2.20	2.78	4.98
2480	60.58	-2.18	2.80	4.97
2490	60.77	-2.17	2.91	5.88
2500	60.78	-2.16	2.98	5.16

Frequency	Efficiency		Peak Gain	Directivity
Mhz	%	dB	dB	dB
5150	55.90	-2.53	3.65	6.18
5200	54.16	-2.66	3.70	6.36
5250	52.80	-2.77	3.62	6.40
5300	50.46	-2.97	3.16	6.13
5350	54.23	-2.66	3.45	6.11
5400	54.12	-2.67	3.33	6.00
5450	55.07	-2.59	3.58	6.17
5500	50.52	-2.97	2.91	5.88
5550	51.15	-2.91	3.00	5.92
5600	54.10	-2.67	3.43	6.10
5650	52.36	-2.81	3.24	6.05
5700	53.81	-2.69	3.30	5.99
5750	50.61	-2.96	3.05	6.00
5800	50.66	-2.95	3.30	6.25
5850	53.35	-2.73	3.93	6.66

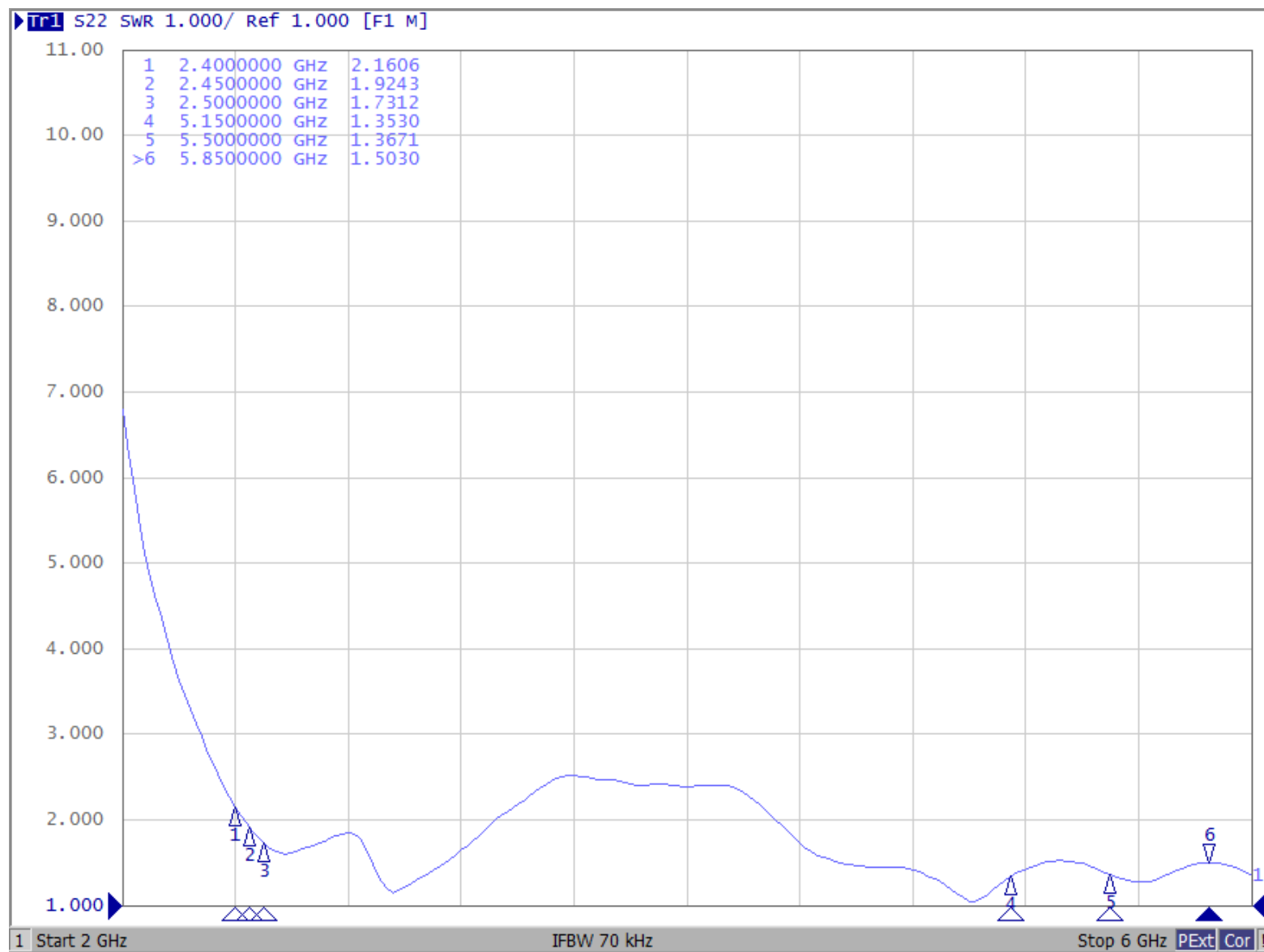
Test Data (ANT1-2.4G Pattern)



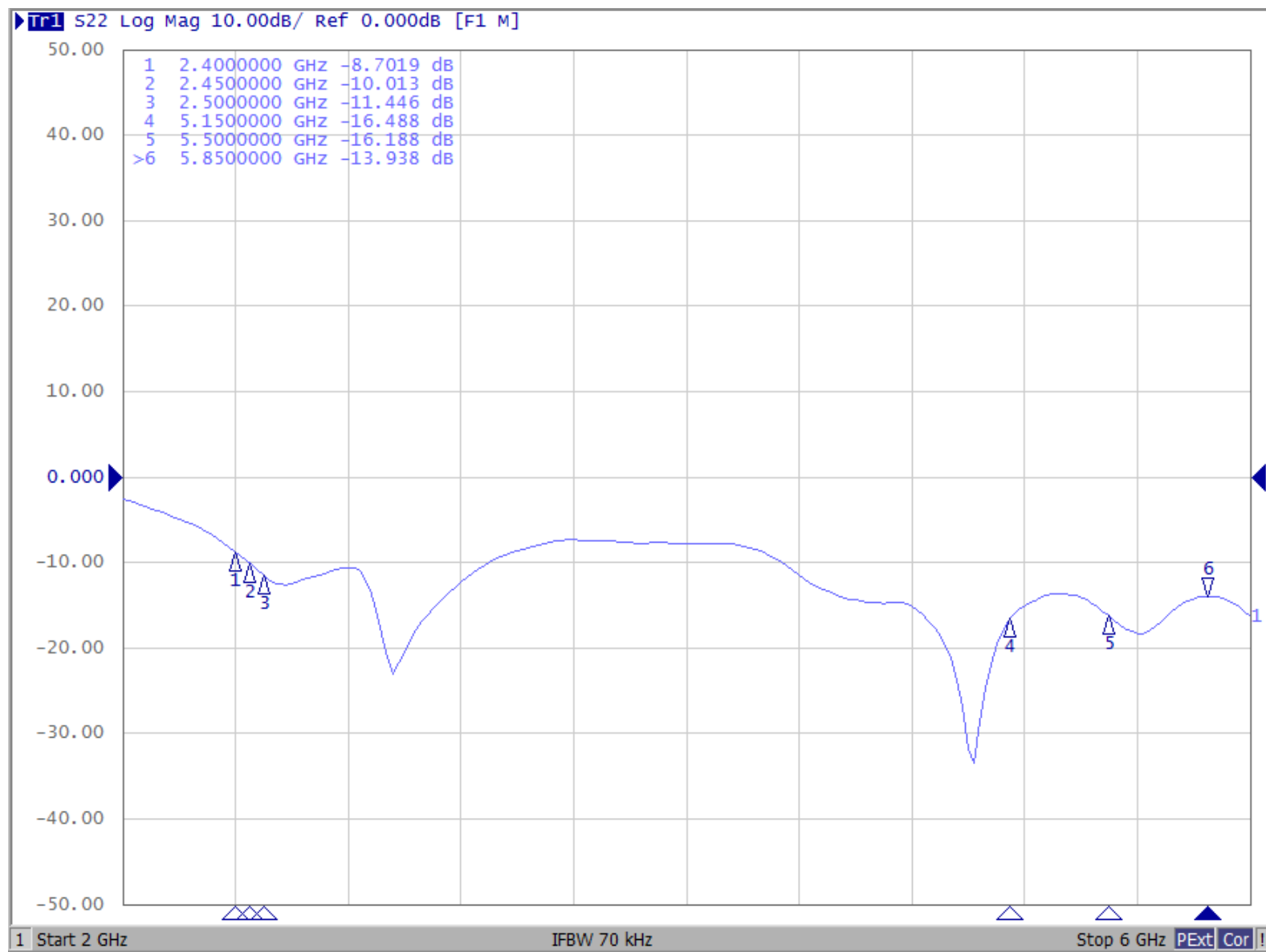
Test Data (ANT1-5G Pattern)



Test Data (ANT2-VSWR)



Test Data (ANT2-Return Loss)

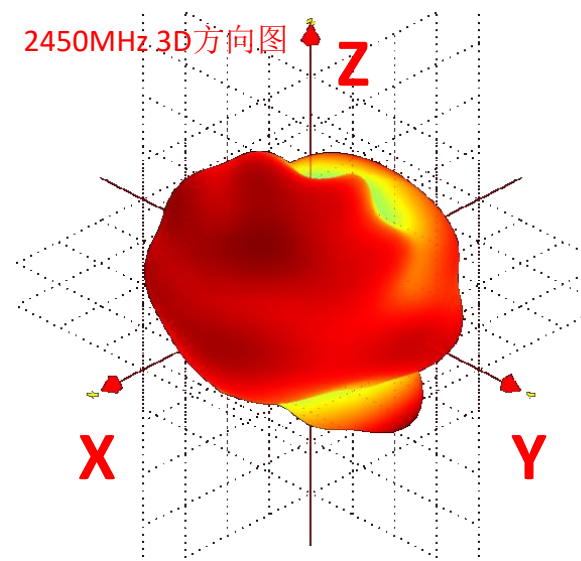
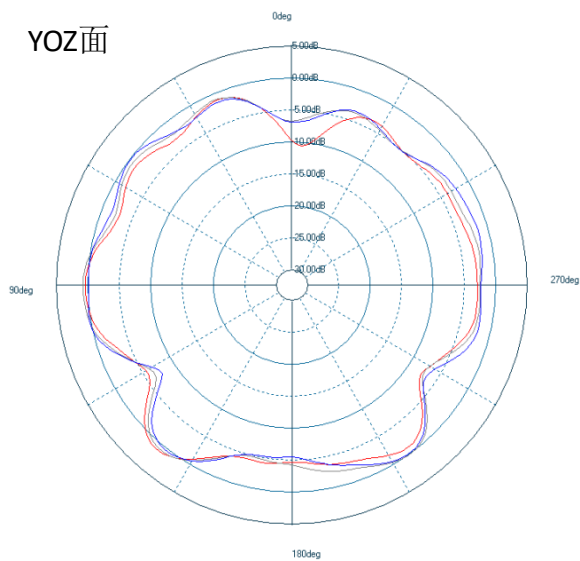
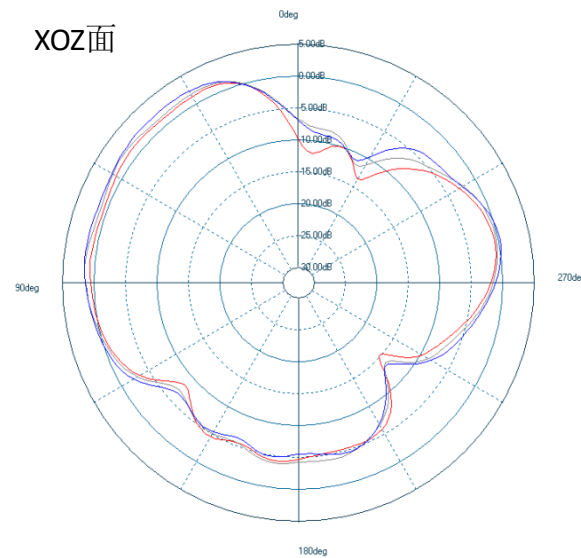
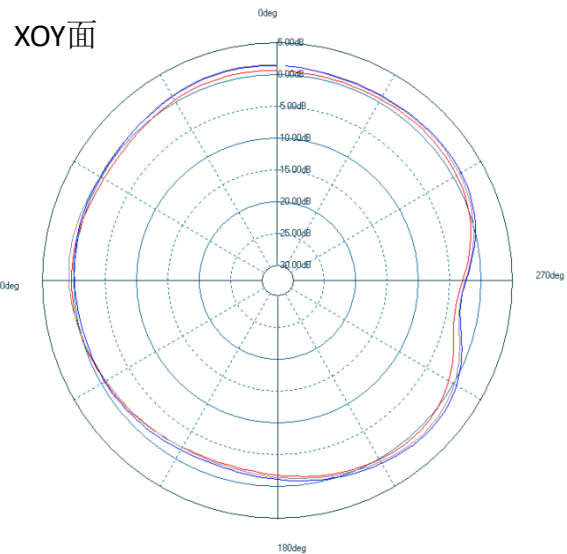


Test Data (ANT2-Efficiency/Gain)

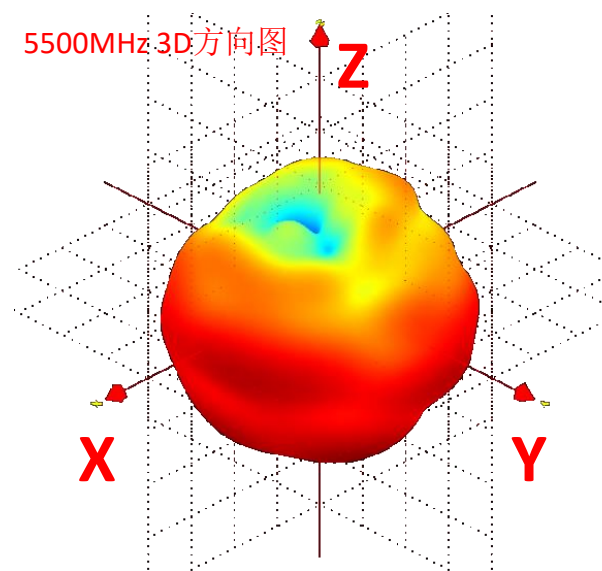
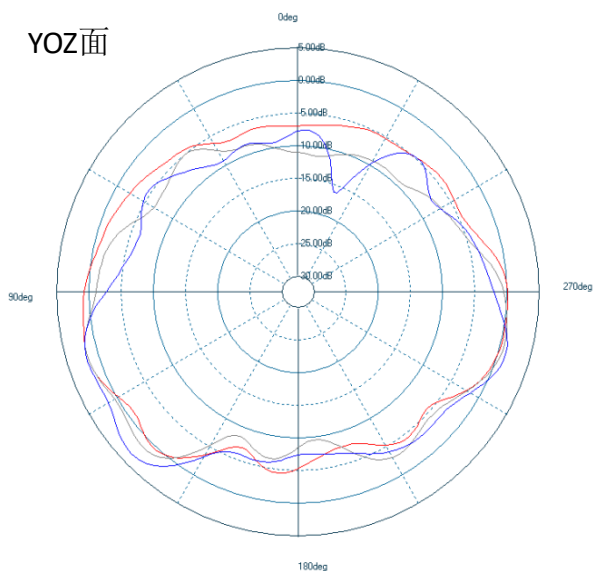
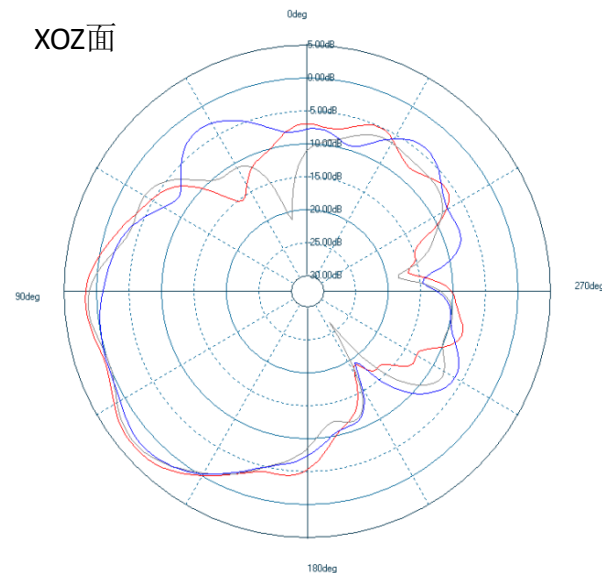
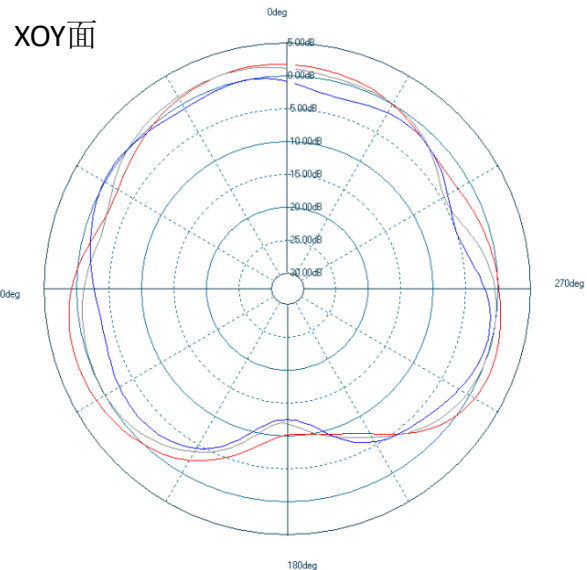
Frequency	Efficiency		Peak Gain	Directivity
Mhz	%	dB	dB	dB
2400	50.01	-3.01	2.12	5.13
2410	50.60	-2.96	1.93	4.89
2420	51.43	-2.89	2.11	5.00
2430	50.79	-2.94	2.02	4.96
2440	54.48	-2.64	2.22	4.86
2450	55.02	-2.59	2.25	4.84
2460	58.11	-2.36	2.60	4.96
2470	59.17	-2.28	2.77	5.05
2480	57.91	-2.37	2.78	5.16
2490	58.29	-2.34	2.72	5.06
2500	59.28	-2.27	2.68	4.95

Frequency	Efficiency		Peak Gain	Directivity
Mhz	%	dB	dB	dB
5150	59.37	-2.26	3.54	5.81
5200	56.93	-2.45	3.48	5.92
5250	54.89	-2.61	3.66	6.26
5300	54.35	-2.65	3.42	6.07
5350	55.68	-2.54	3.77	6.31
5400	54.04	-2.67	3.67	6.34
5450	56.39	-2.49	3.76	6.25
5500	50.61	-2.96	3.28	6.24
5550	52.87	-2.77	3.45	6.21
5600	57.87	-2.38	3.86	6.24
5650	54.76	-2.62	3.53	6.15
5700	55.07	-2.59	3.71	6.30
5750	54.87	-2.61	3.46	6.06
5800	53.89	-2.69	3.39	6.07
5850	55.37	-2.57	3.87	6.44

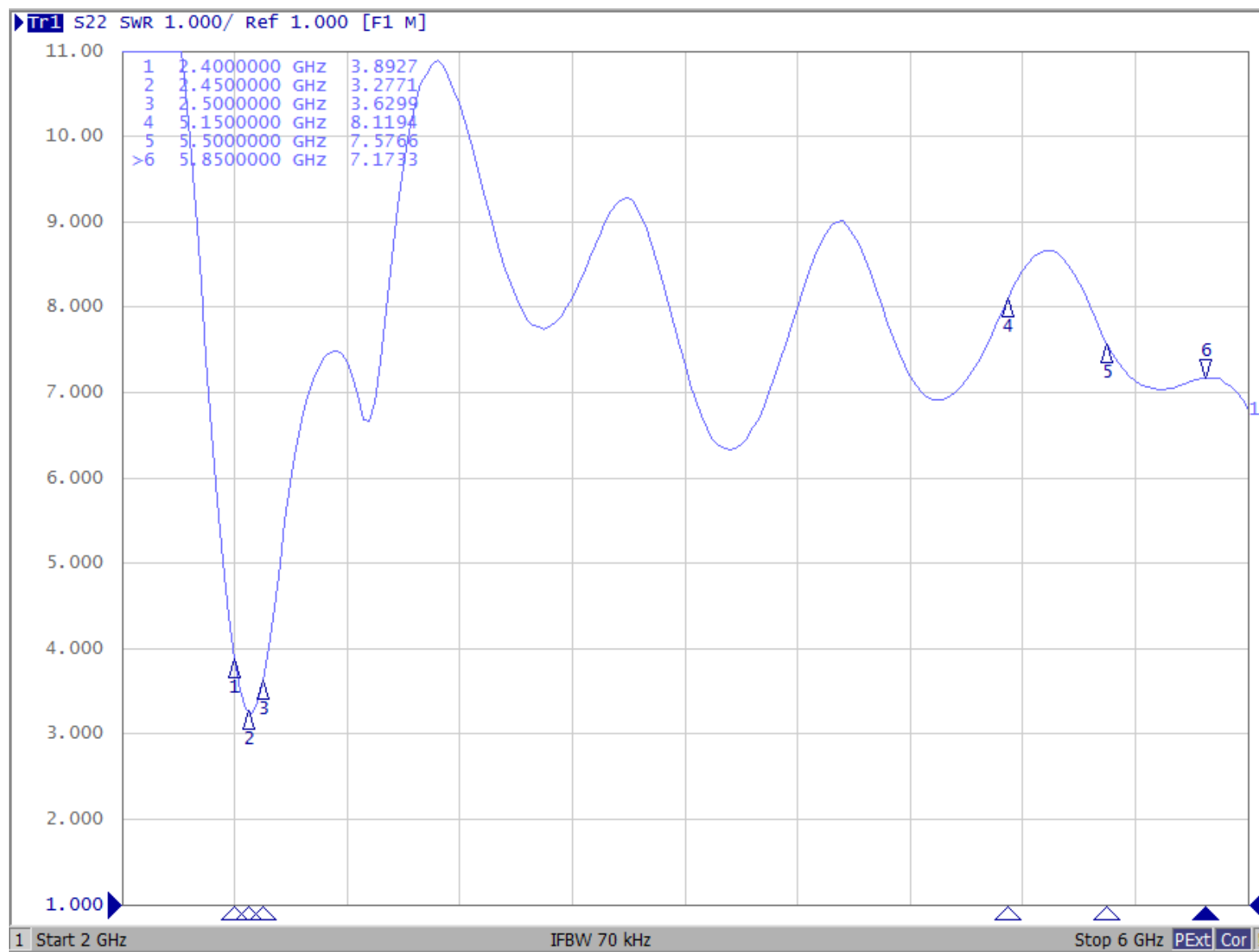
Test Data (ANT2-2.4G Pattern)



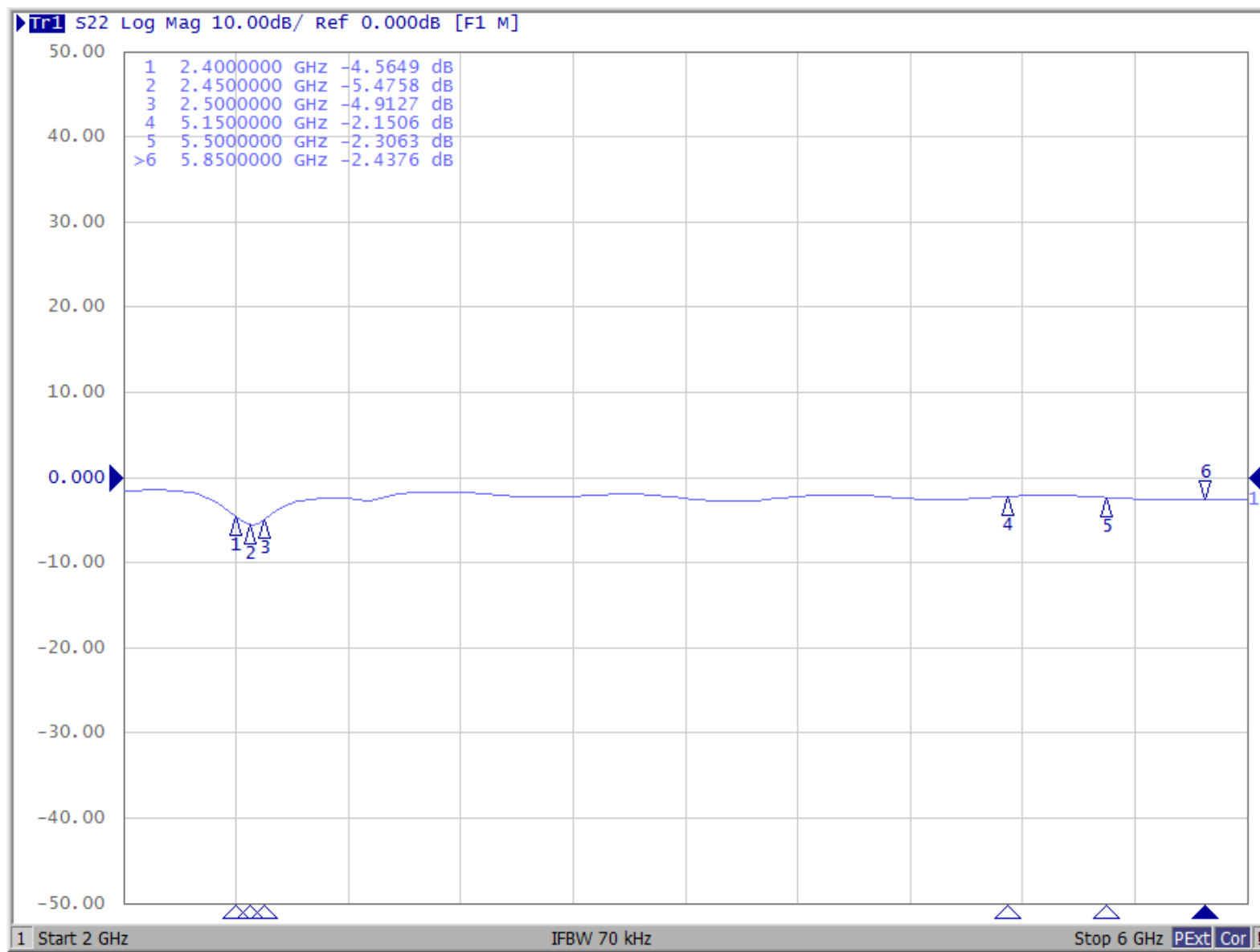
Test Data (ANT2-5G Pattern)



Test Data (BT-VSWR)



Test Data (BT-Return Loss)

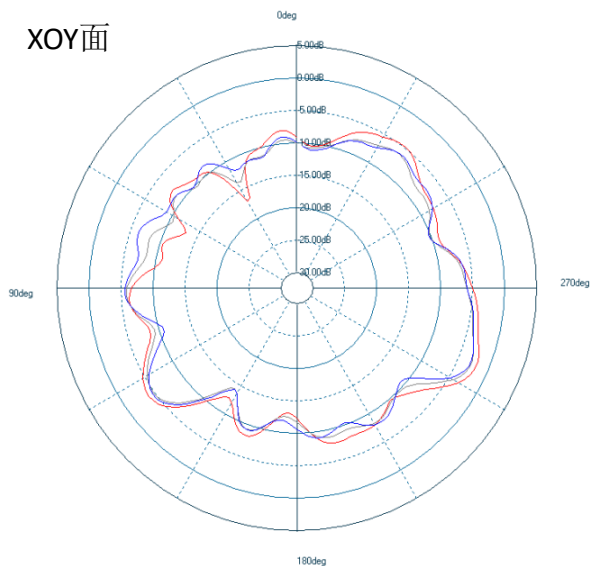


Test Data (BT-Efficiency/Gain)

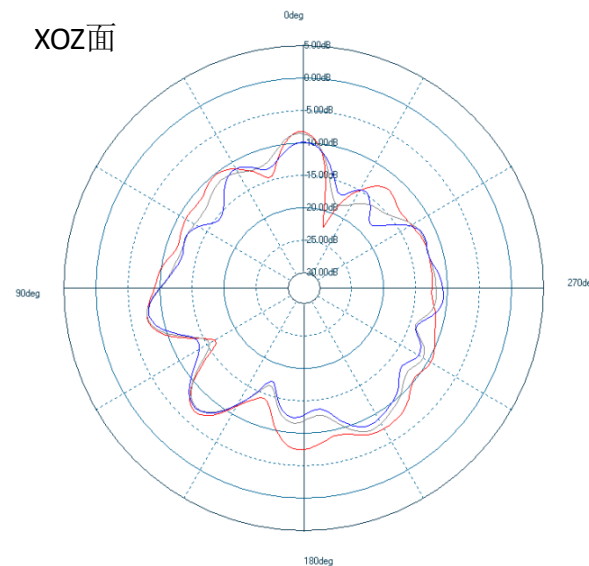
Frequency	Peak Gain	Directivity
Mhz	dB	dB
2400	-1.96	6.82
2410	-1.93	6.67
2420	-1.86	6.72
2430	-1.82	6.67
2440	-1.77	6.59
2450	-1.83	6.76
2460	-1.90	6.83
2470	-1.87	7.09
2480	-1.93	7.12
2490	-1.98	7.10
2500	-1.95	7.17

Test Data (BT-2.4G Pattern)

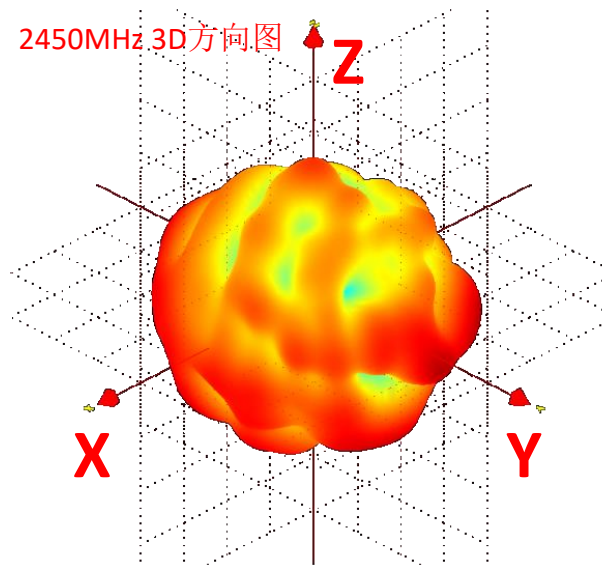
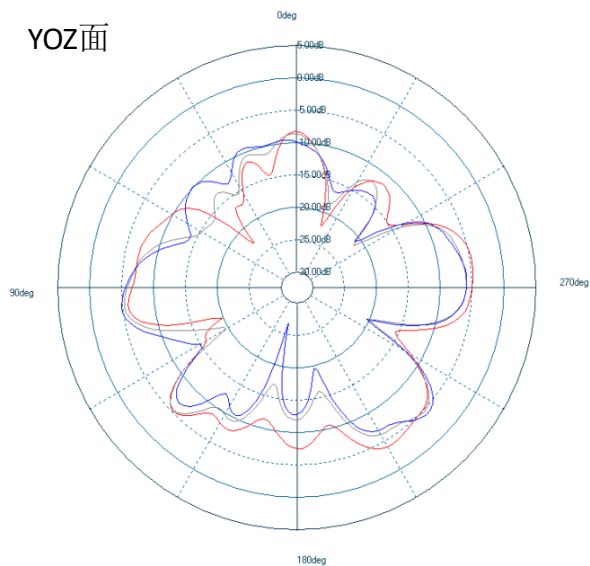
XOY面



XOZ面



YOZ面



Thank You

