

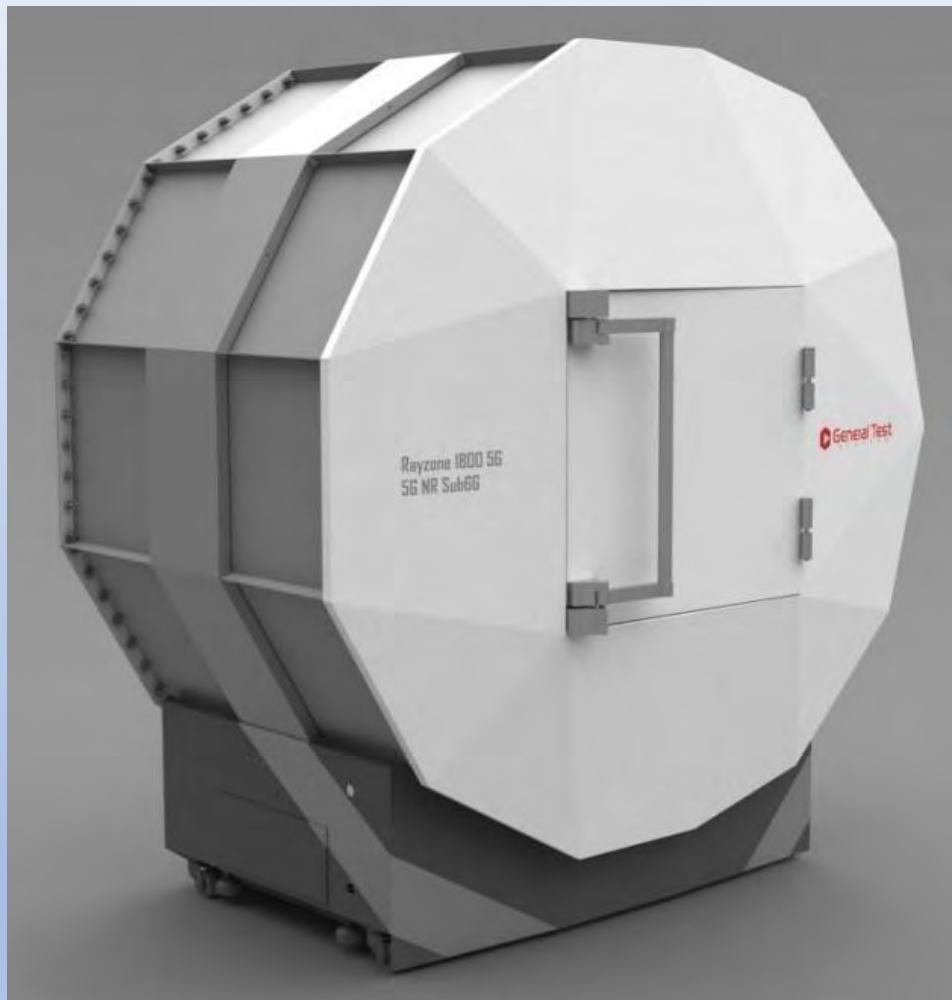
深圳汉阳天线设计有限公司

SHENZHEN HANYANG ANTENNA DESIGN CO.LTD.

Customer: GSD
Antenna Test Report

Project name: WKXT1C

Lab Address: Shenzhen Baoan District Qianjin Road BaoYundalogsitics information building



Wireless communication standard: 2G/3G/4G/5G(FR1)/GNSS/Wi-Fi/Bluetooth

Internet of Things communication standards: LTE Cat NB1(NB-IoT)/Cat-M1(e-MTC)

SISO test TRP/TIS/EIRP/EIS, 2x2 MIMO Throughput test

Passive antenna test, Desense, test ICS

Support 600MHz-7.5GHz frequency

GTS MaxSign 100 test software support antenna/OTA test, Provide visual data analysis

New EPP rigid and environmentally friendly absorbing material.

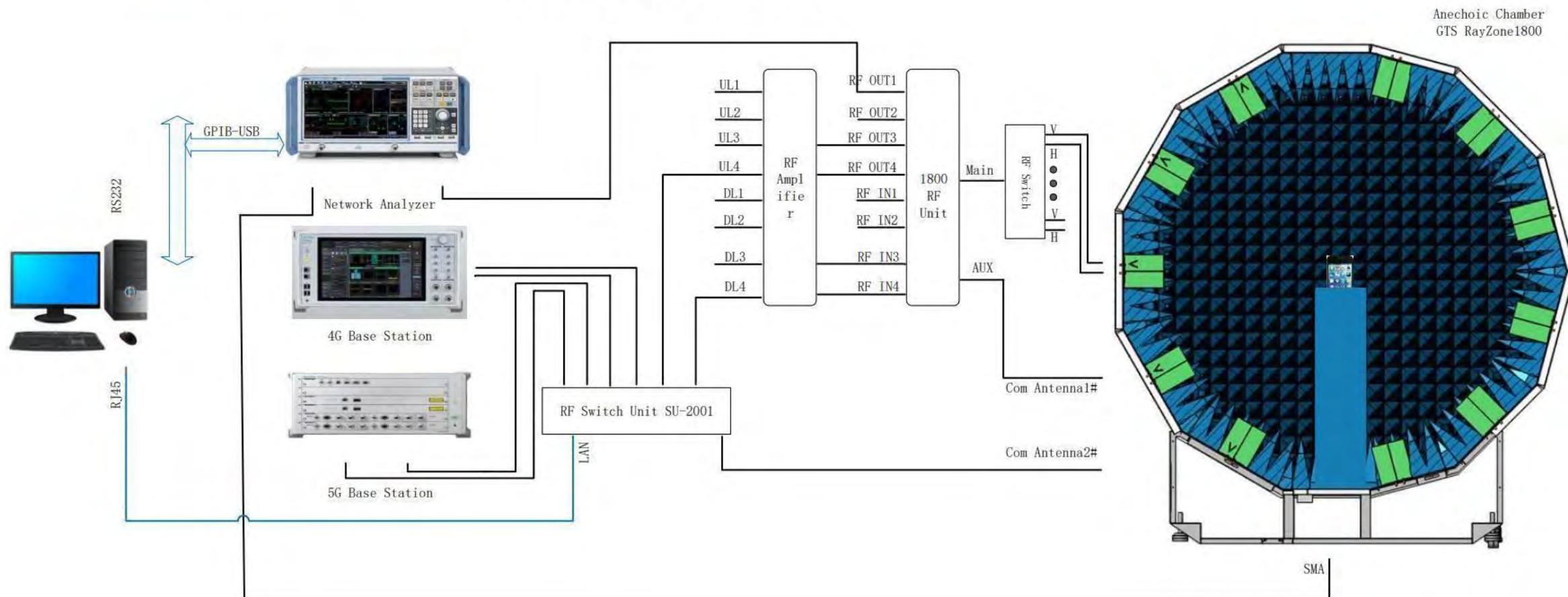
Low RCS high gain measurement antenna set, Transparent turntable and fixture

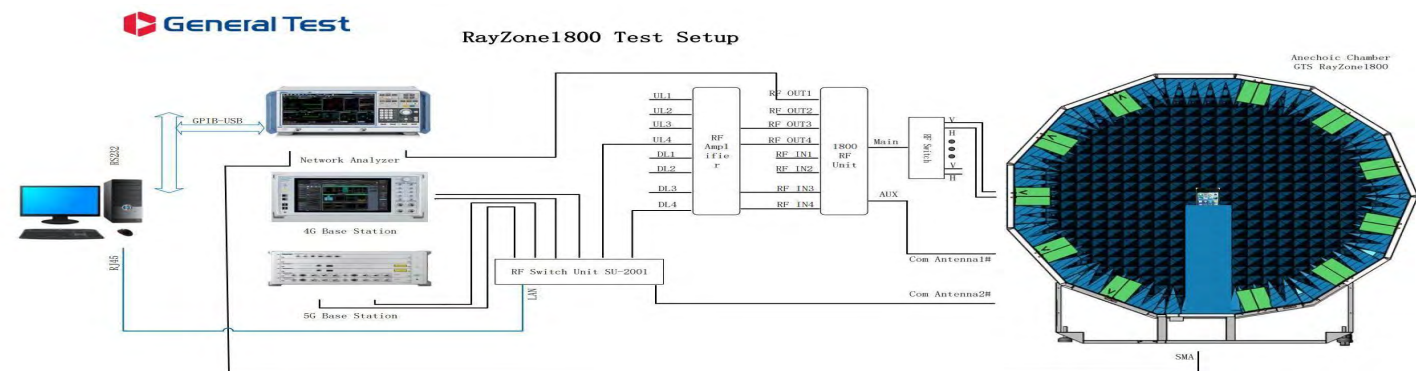
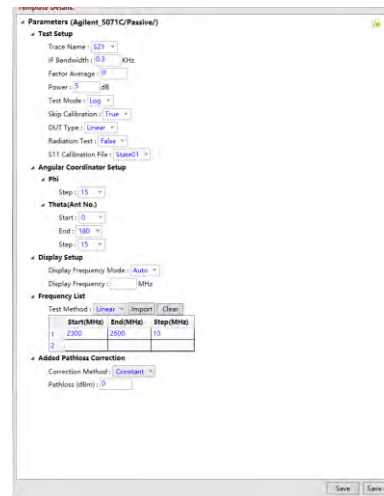
MIMO test fastly. Certification level test accuracy.

Integrated design, use and maintenance is simply.



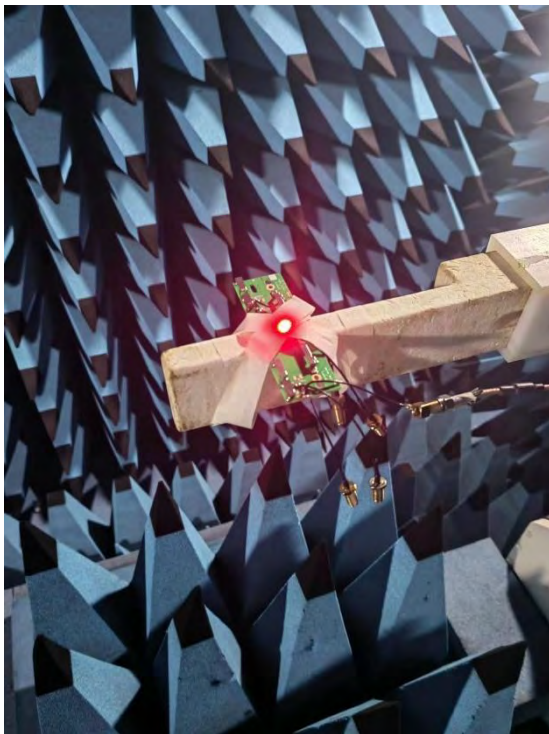
RayZone1800 Test Setup







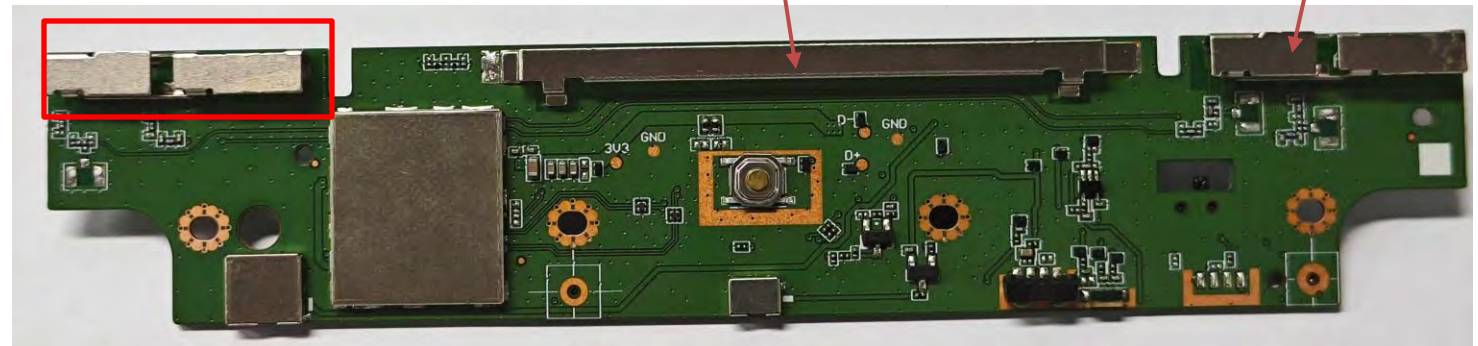
test photo



WiFi Ant1

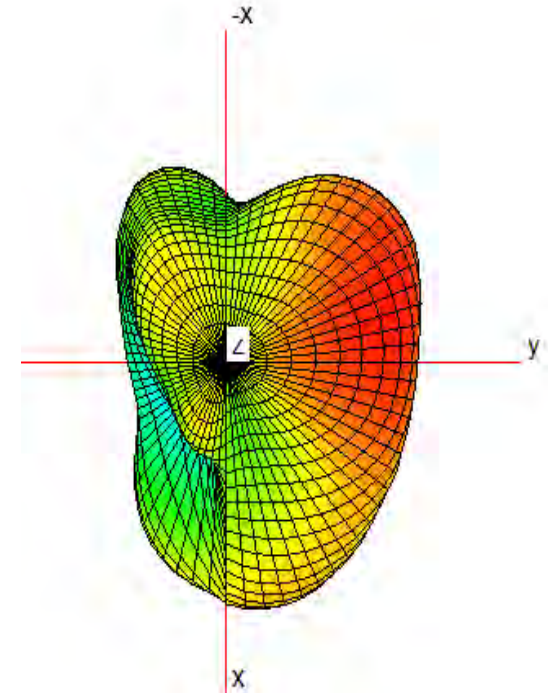
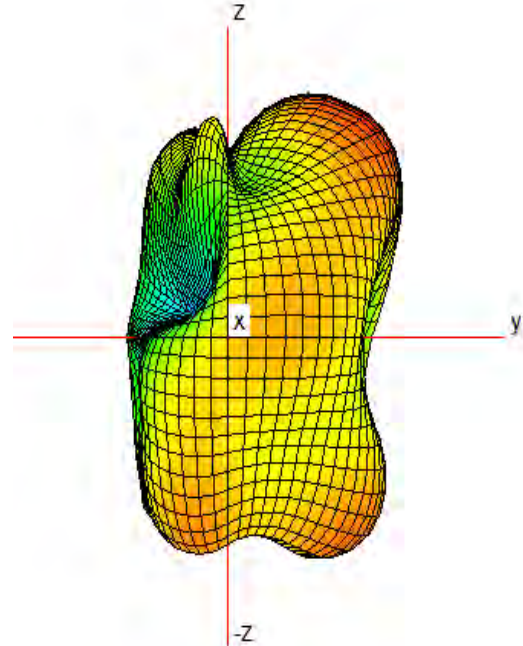
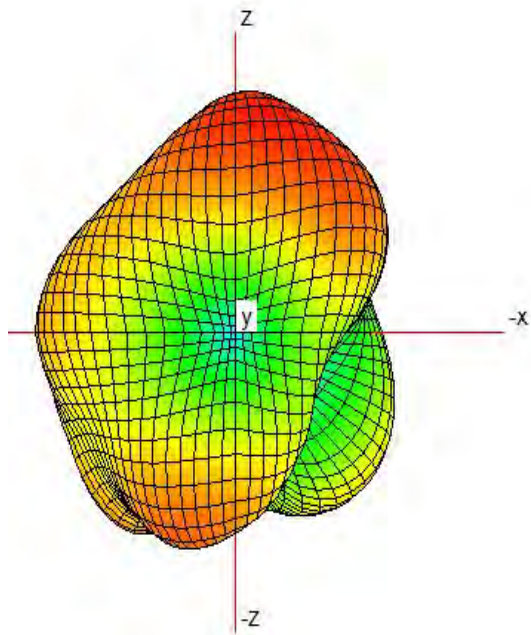
BT Ant

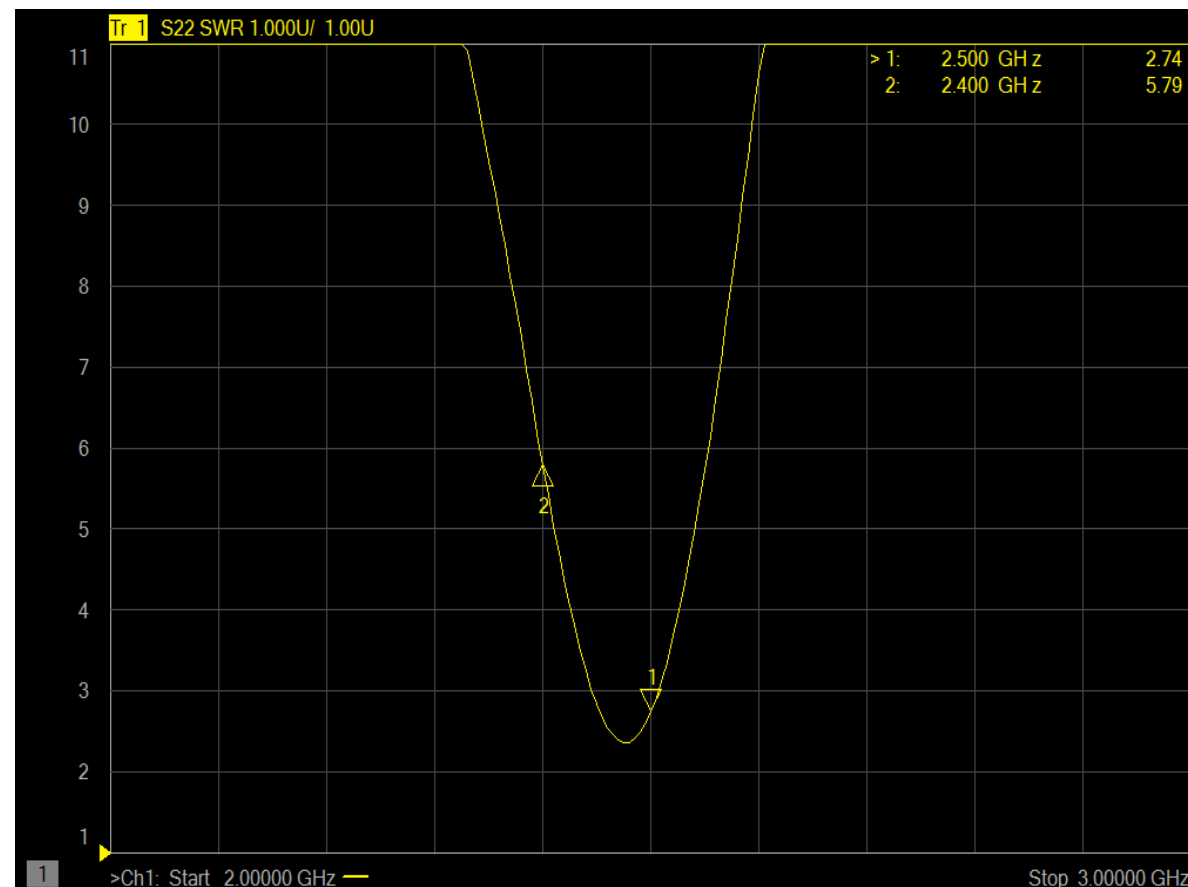
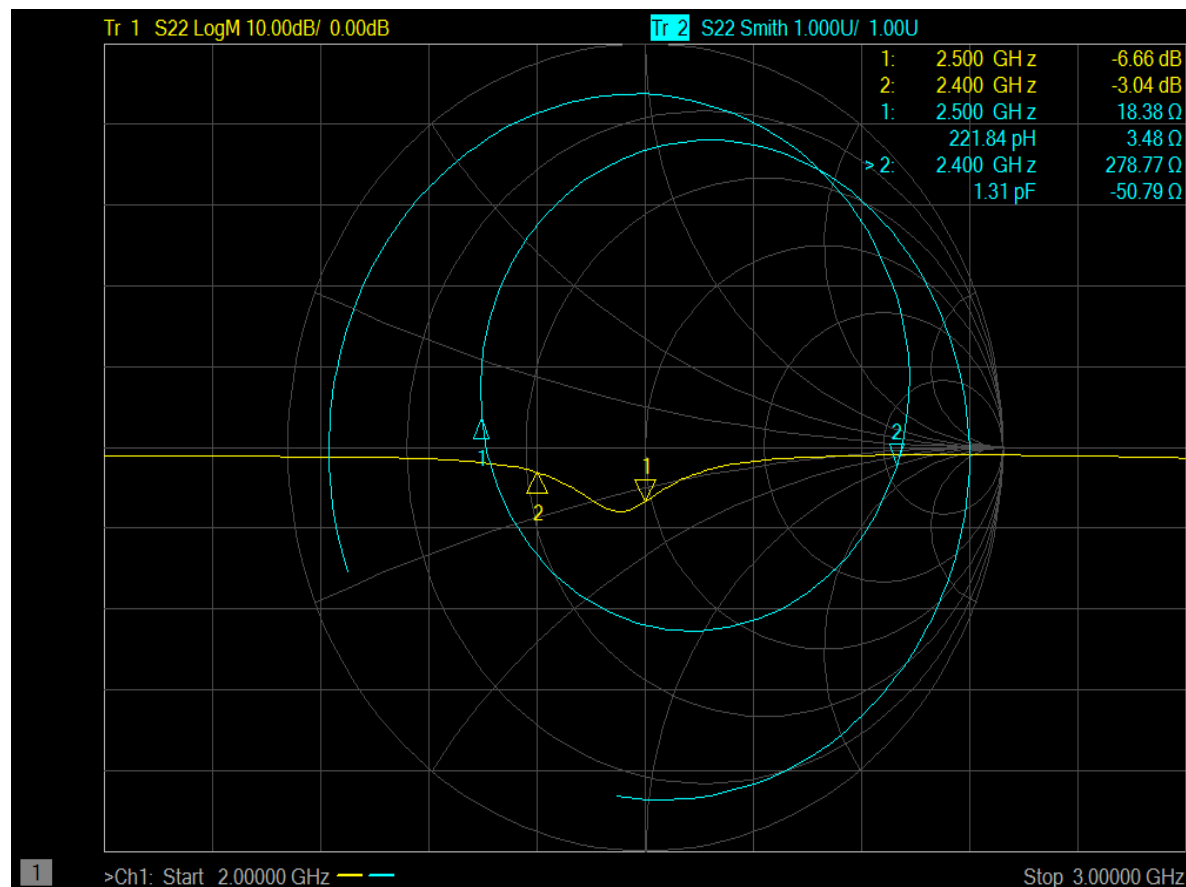
WiFi Ant2



Passive Test For 2400-2500			
Freq (MHz)	Effi (dB)	Gain (dBi)	Effi (%)
2400	-5.47	-2.42	28.37
2410	-5.14	-1.72	30.65
2420	-4.84	-1.18	32.81
2430	-4.57	-0.66	34.89
2440	-4.31	-0.14	37.04
2450	-4.19	0.13	38.12
2460	-4.11	0.3	38.81
2470	-4.11	0.3	38.78
2480	-4.18	0.1	38.22
2490	-4.31	-0.31	37.09
2500	-4.41	-0.75	36.19

2450MHZ





WiFi-1 天线 2.4G

Passive Test For 2400-2500

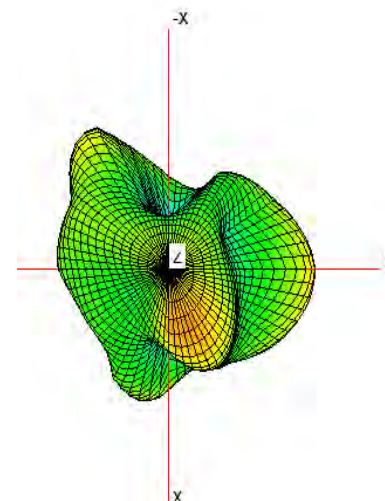
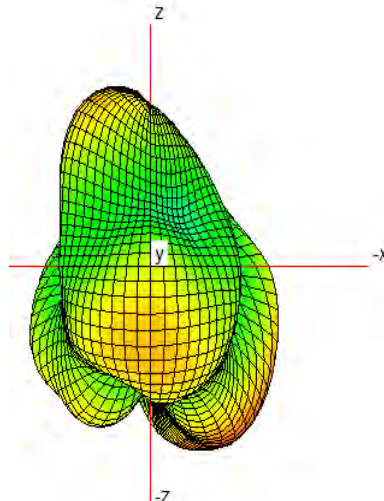
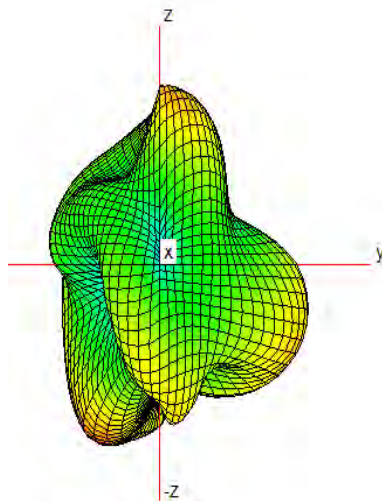
Freq (MHz)	Effi (dB)	Gain (dBi)	Effi (%)
2400	-4.64	1.83	34.33
2410	-4.56	1.88	34.96
2420	-4.47	1.91	35.7
2430	-4.29	1.47	37.27
2440	-4.29	2.04	37.21
2450	-4.23	2.03	37.79
2460	-4.62	1.07	34.55
2470	-4.62	1.74	34.55
2480	-4.66	1.76	34.16
2490	-4.65	2.88	34.25
2500	-4.71	1.76	33.77

WiFi-1 天线 5.8G

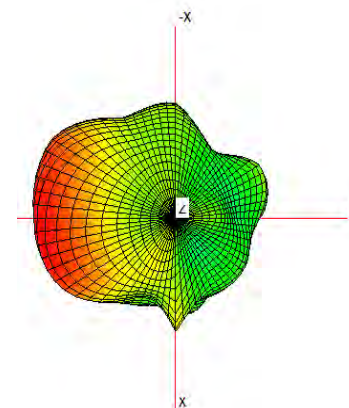
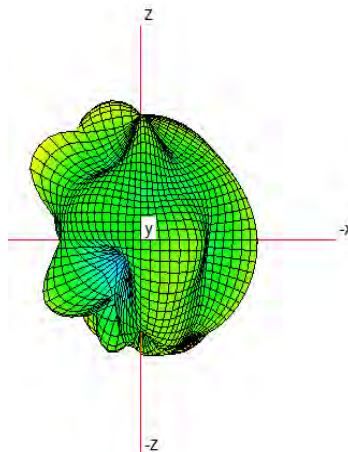
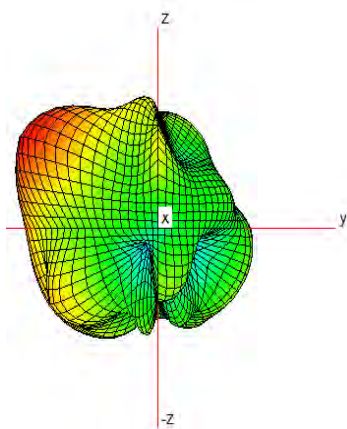
Passive Test For 5150-5850

Freq (MHz)	Effi (dB)	Gain (dBi)	Effi (%)
5150	-4.09	1.09	38.97
5220	-4.37	0.51	36.58
5290	-4.45	0.2	35.88
5360	-4.08	1.25	39.09
5430	-3.91	1.86	40.67
5500	-3.66	2.44	43.02
5570	-3.08	3.48	49.18
5640	-2.7	4.01	53.76
5710	-2.61	3.81	54.84
5780	-2.63	3.51	54.54
5850	-2.68	3.07	54

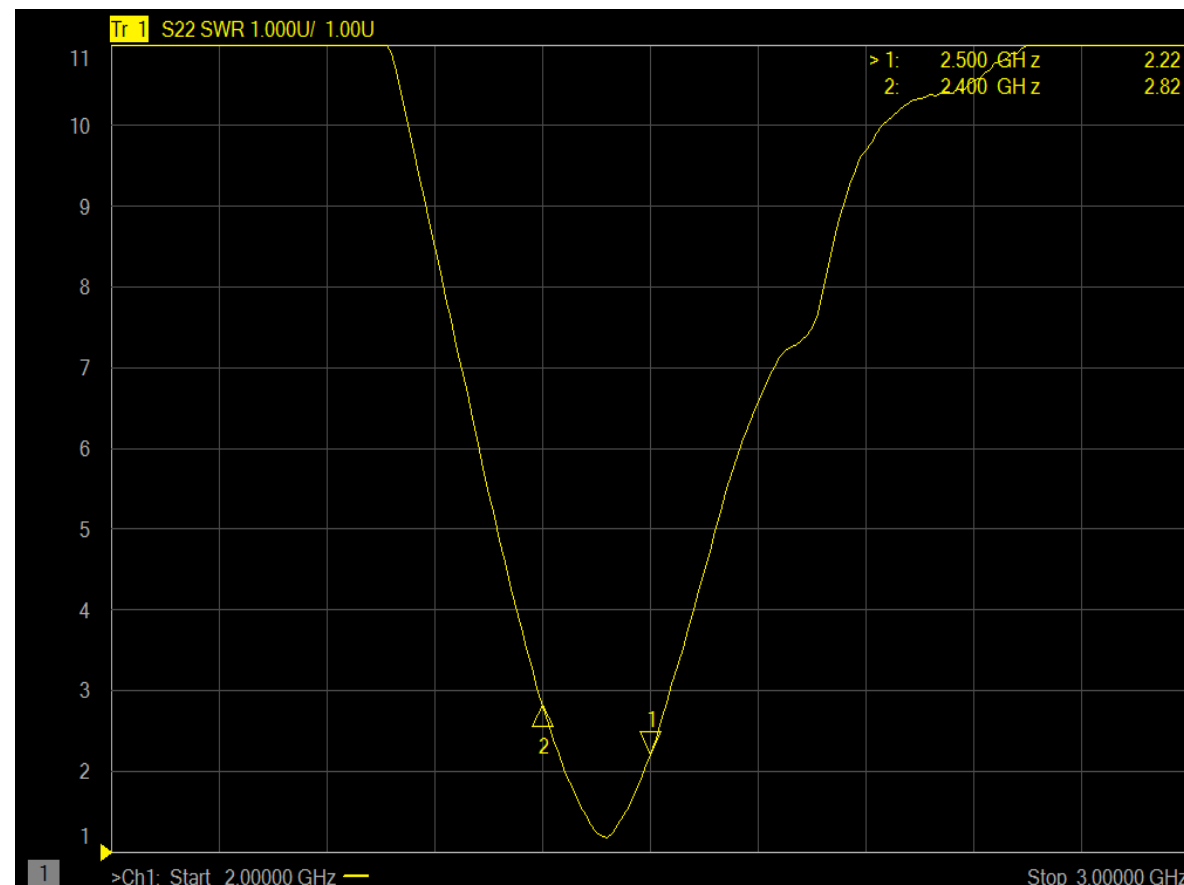
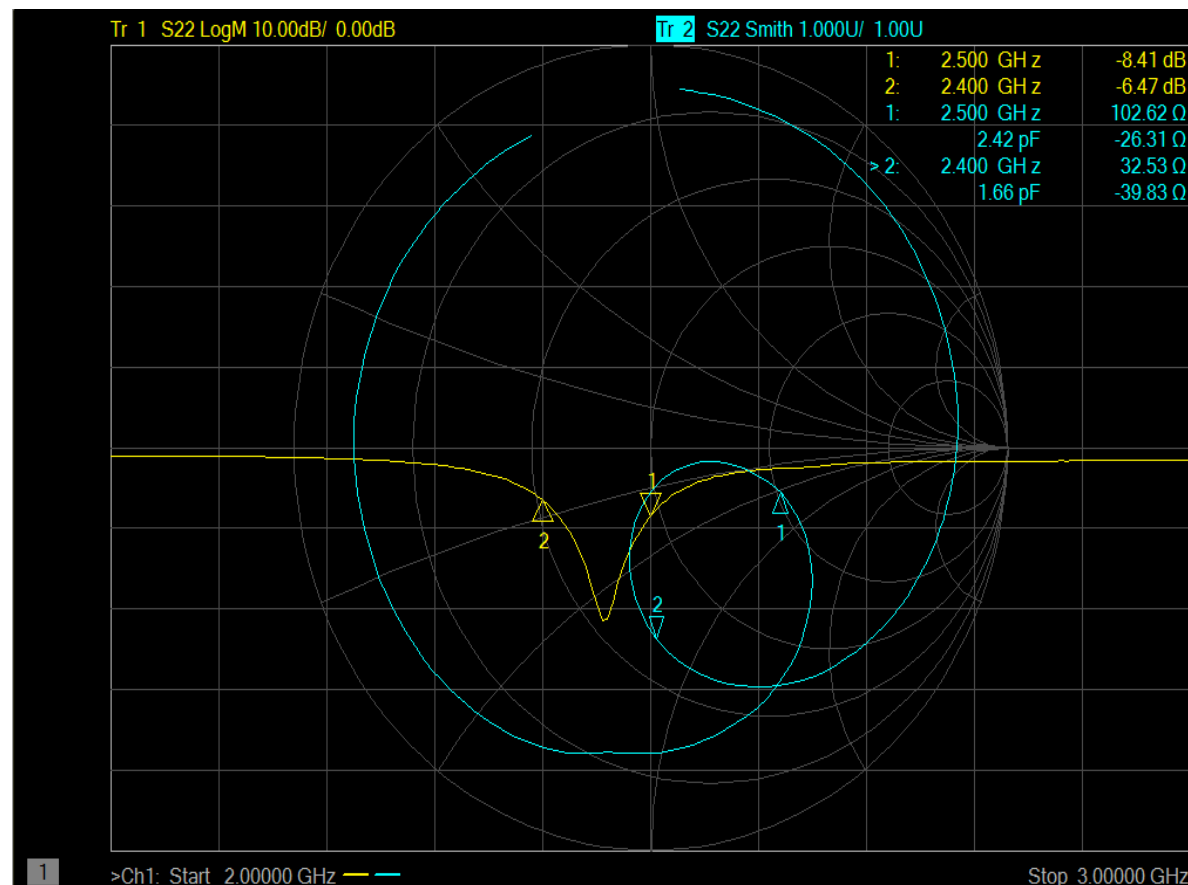
2450MHZ



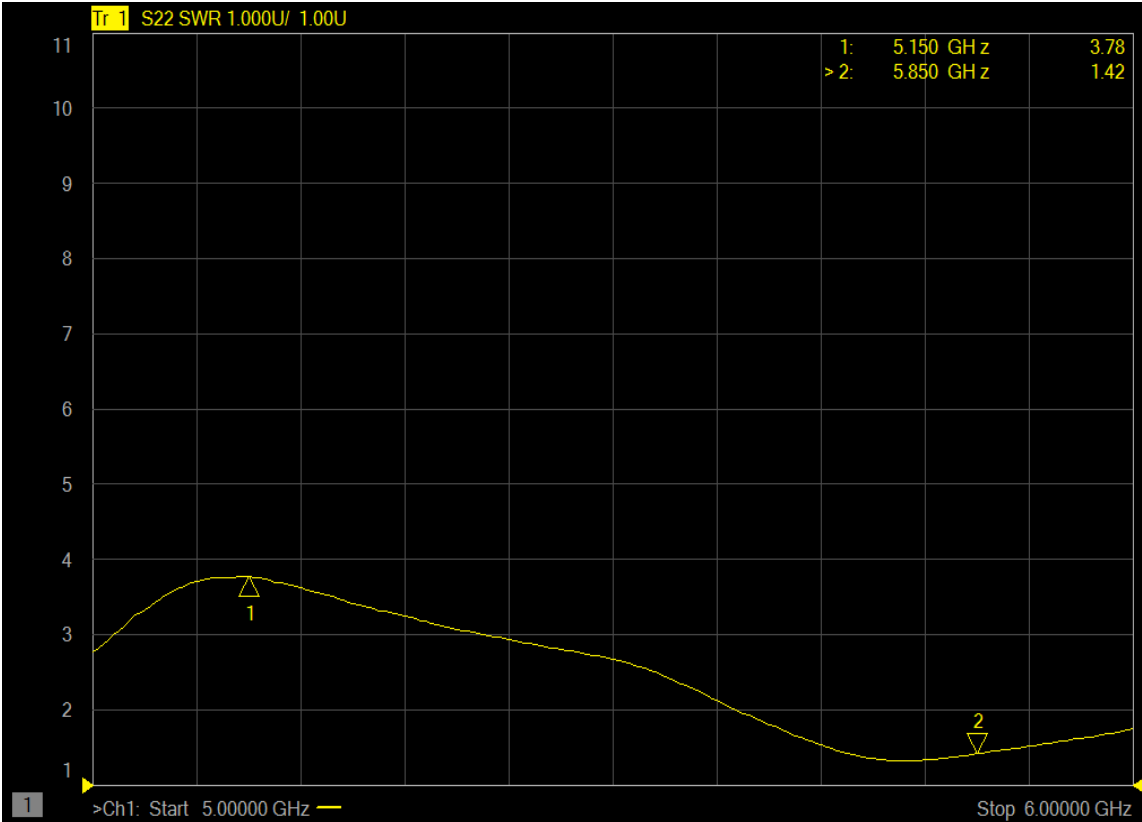
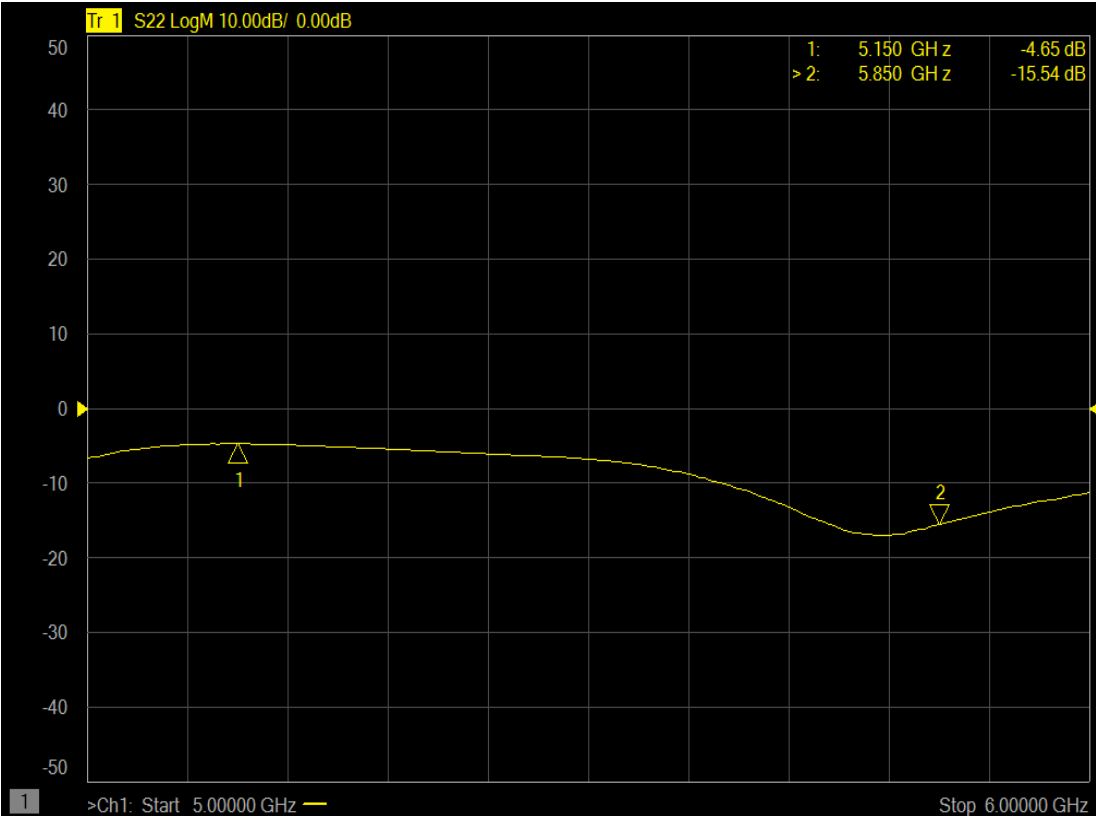
5650MHZ



WiFi-1 2.4G



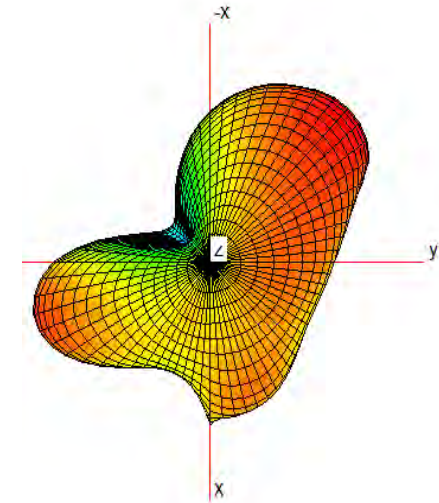
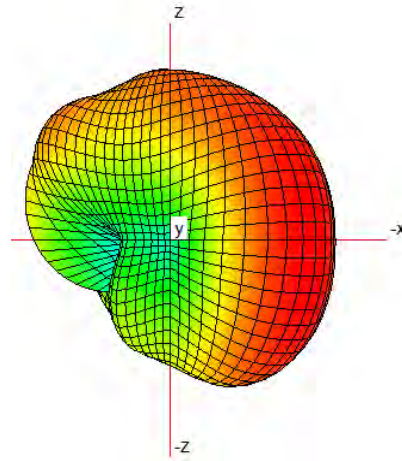
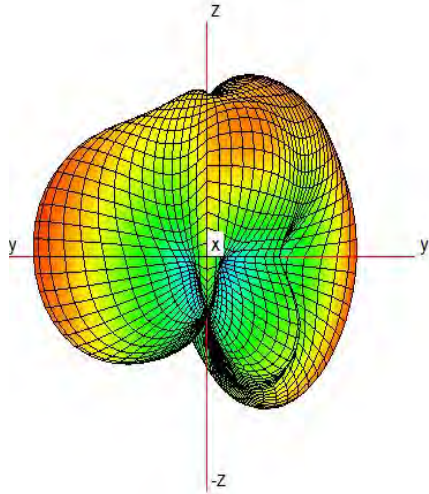
WiFi-1 5.8G



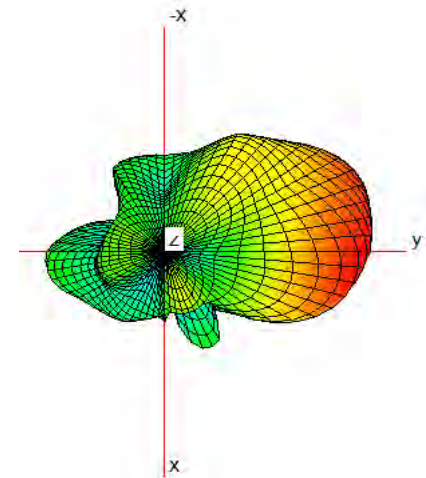
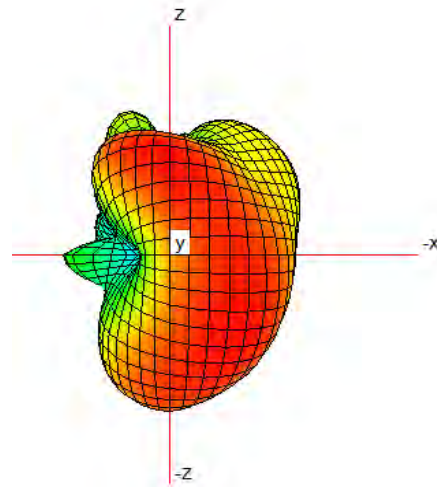
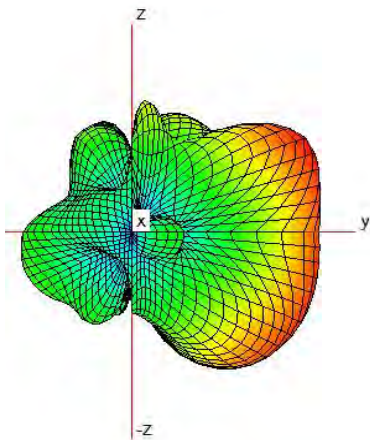
WiFi-2 天线 2.4G			
Passive Test For 2400-2500			
Freq (MHz)	Effi (dB)	Gain (dBi)	Effi (%)
2400	-5.7	-2.22	31.93
2410	-5.24	-1.71	34.93
2420	-4.83	-1.23	37.85
2430	-4.49	-0.89	40.59
2440	-4.19	-0.67	43.07
2450	-4.05	-0.55	44.31
2460	-3.98	-0.34	44.95
2470	-4.02	-0.26	44.64
2480	-4.16	-0.33	43.35
2490	-4.38	-0.49	41.44
2500	-4.57	-0.58	39.9

WiFi-2 天线 5.8G			
Passive Test For 5150-5850			
Freq (MHz)	Effi (dB)	Gain (dBi)	Effi (%)
5150	-4	1.79	39.83
5220	-3.18	2.39	48.06
5290	-2.9	2.92	51.32
5360	-2.49	3.13	56.39
5430	-2.75	2.77	53.11
5500	-3.14	2.41	48.55
5570	-3.44	2.29	45.25
5640	-3.7	1.9	42.66
5710	-3.76	1.41	42.03
5780	-3.9	0.88	40.77
5850	-4.27	0.59	37.45

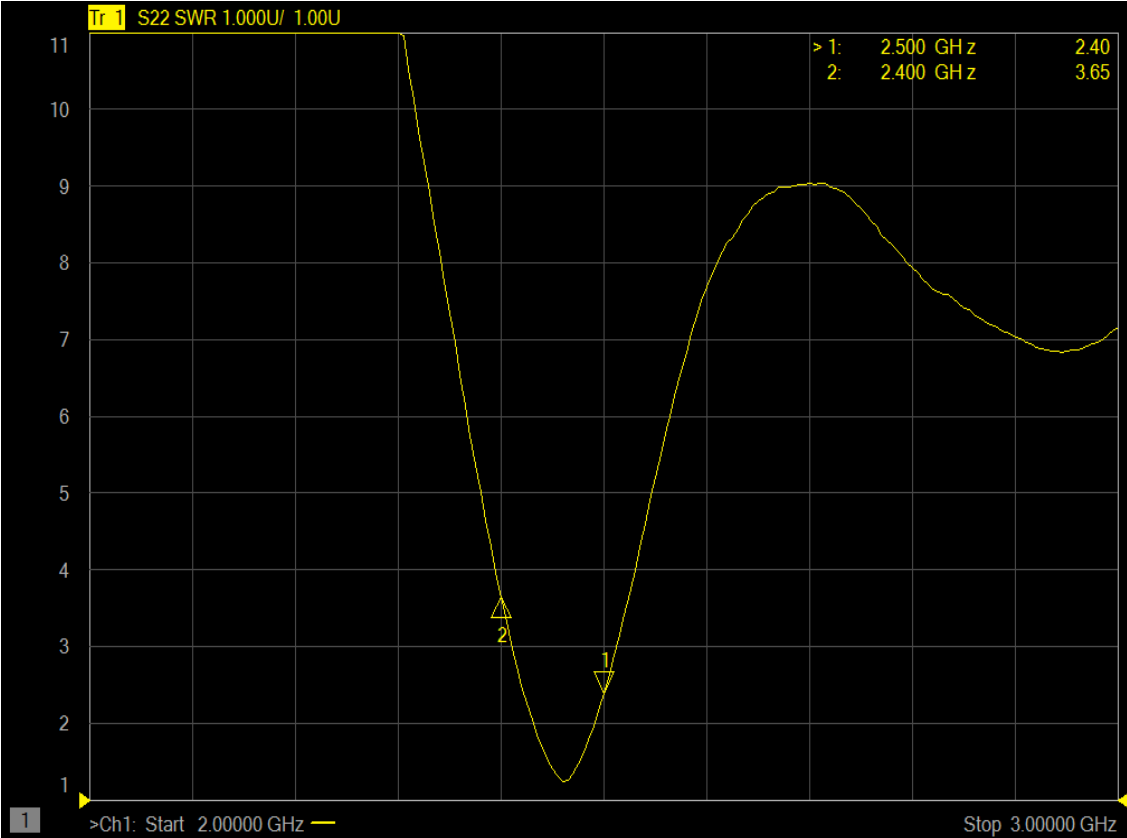
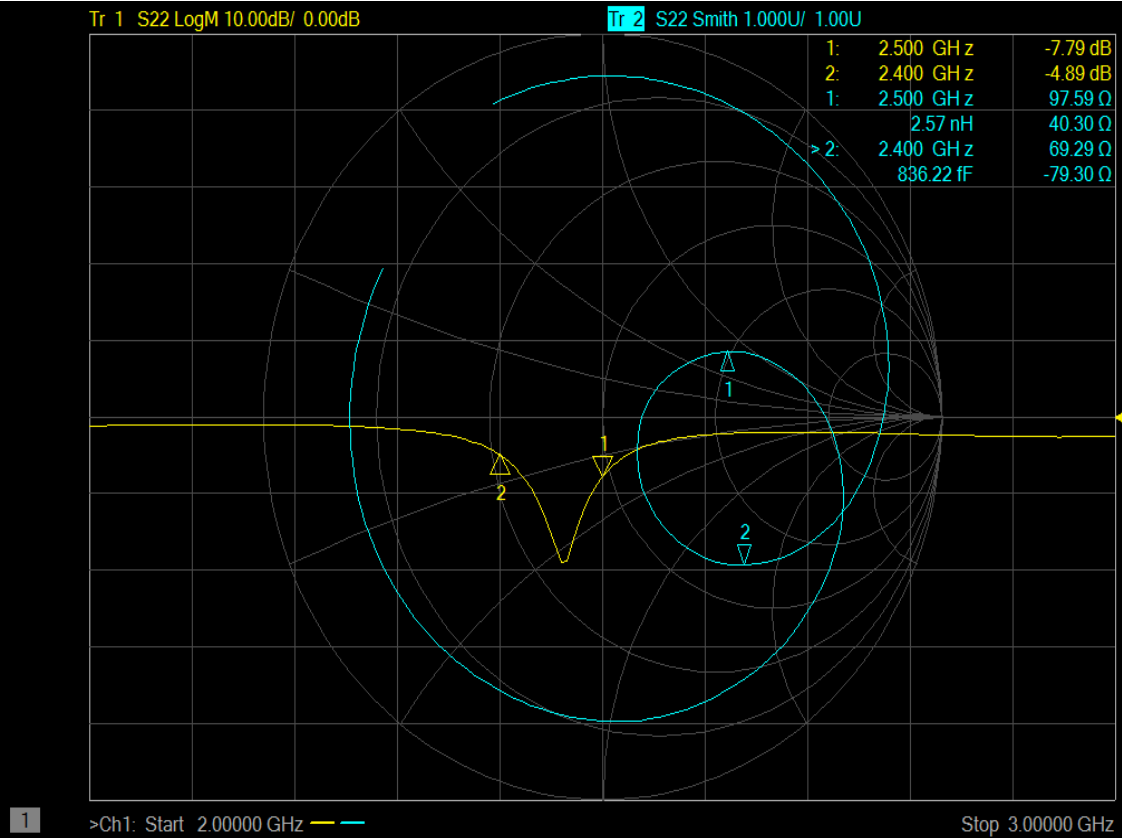
2450MHZ



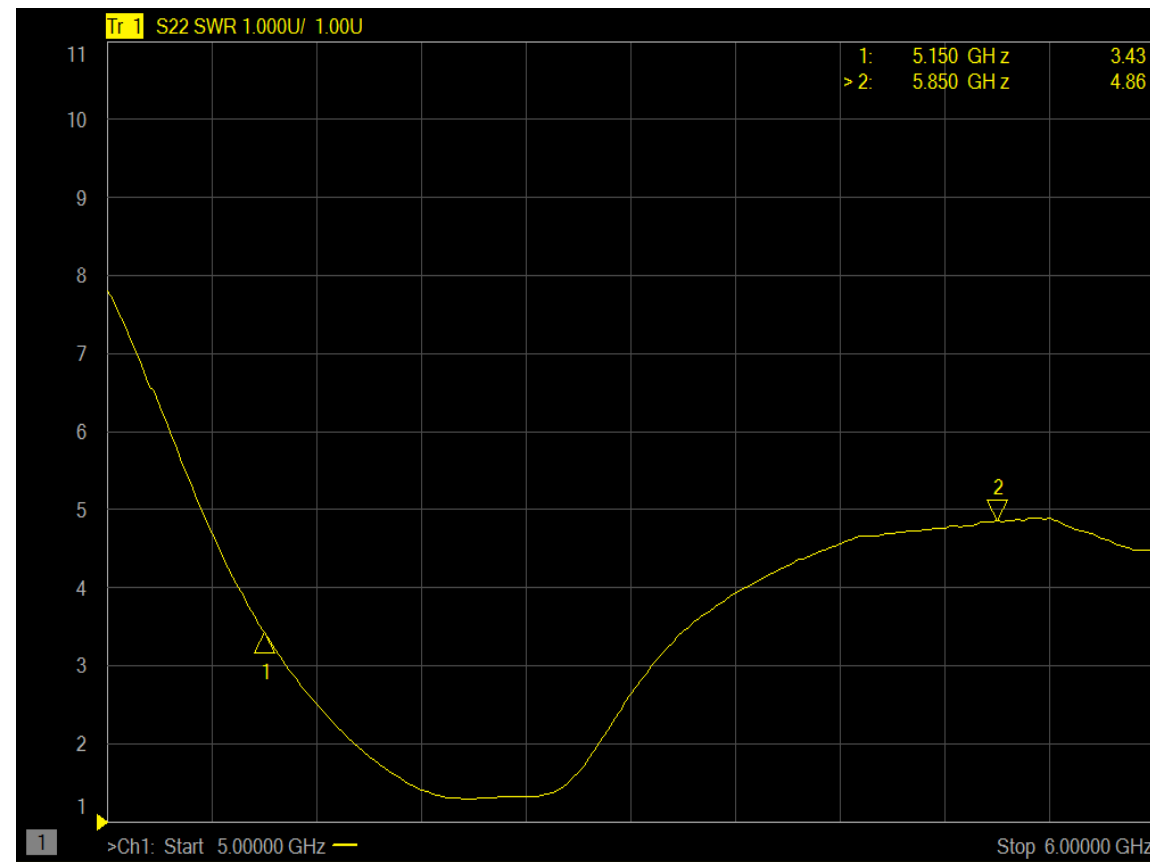
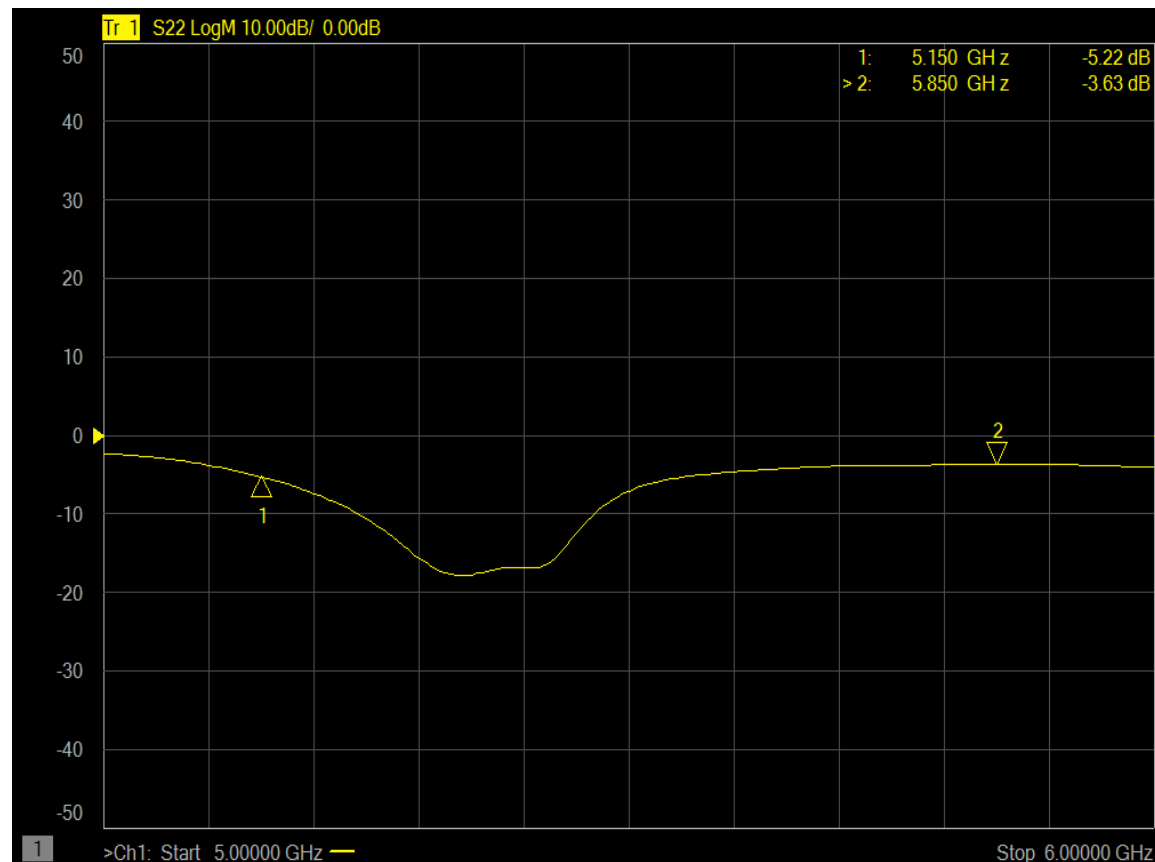
5650MHZ

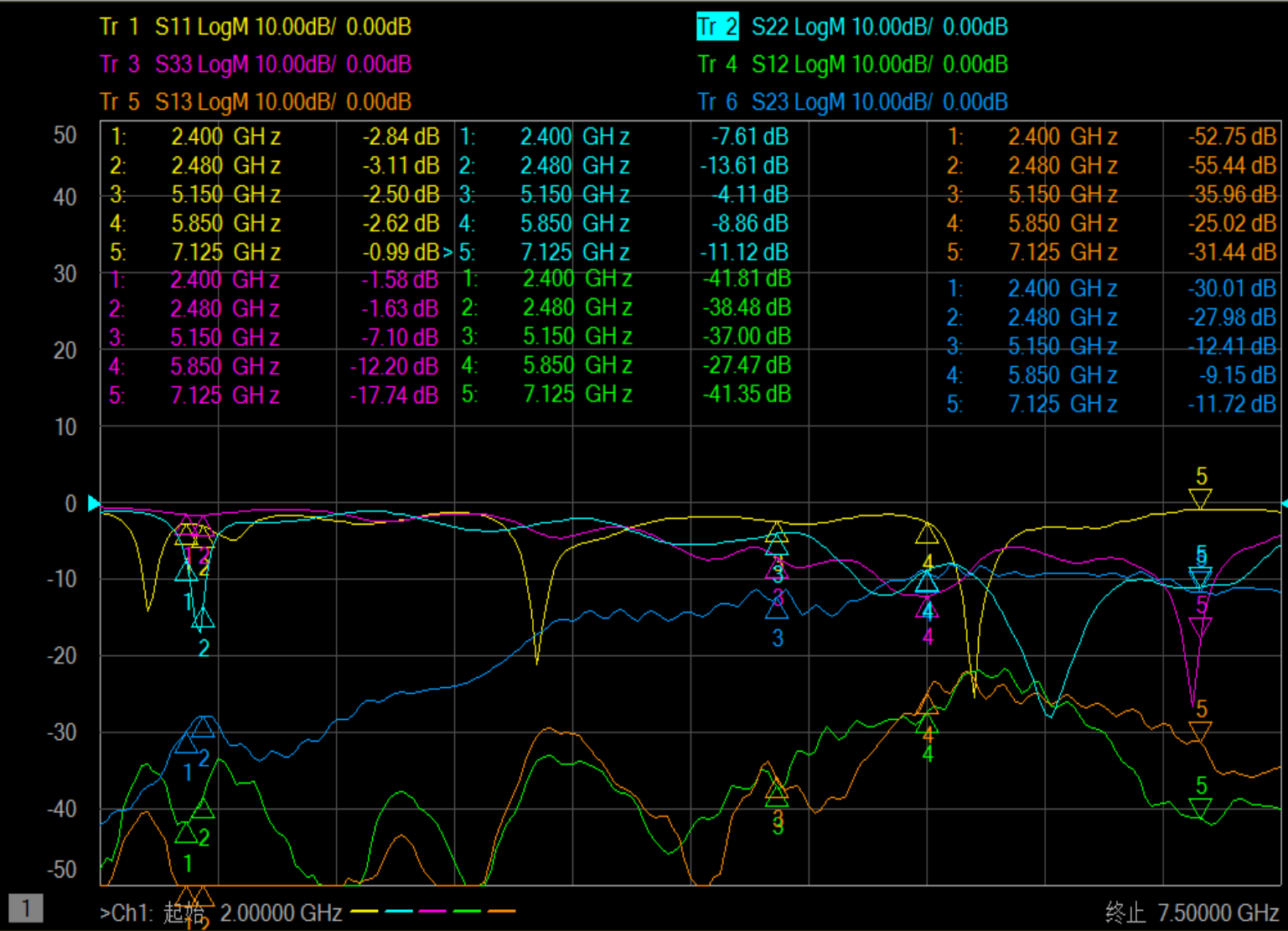


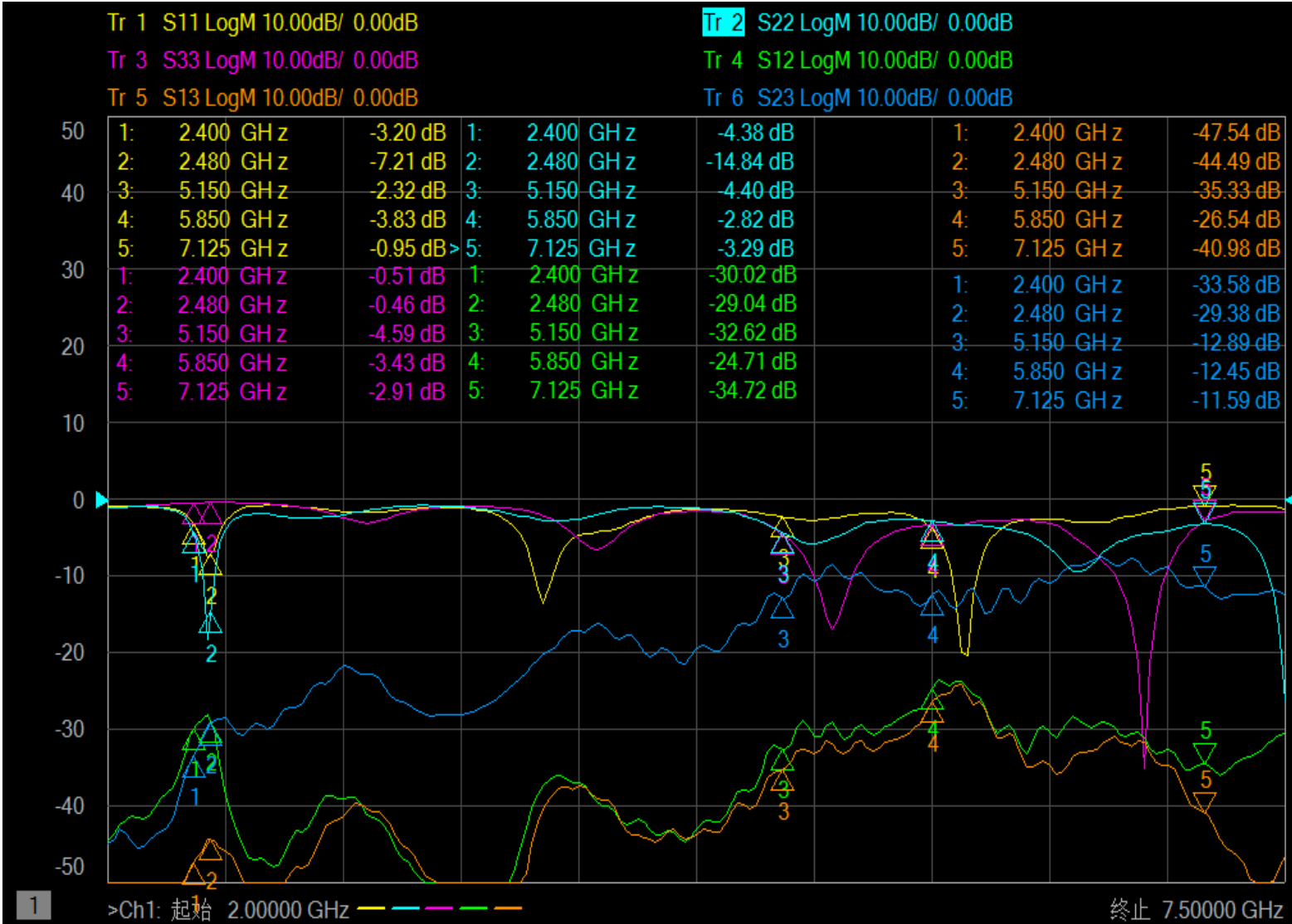
WiFi-1 2.4G

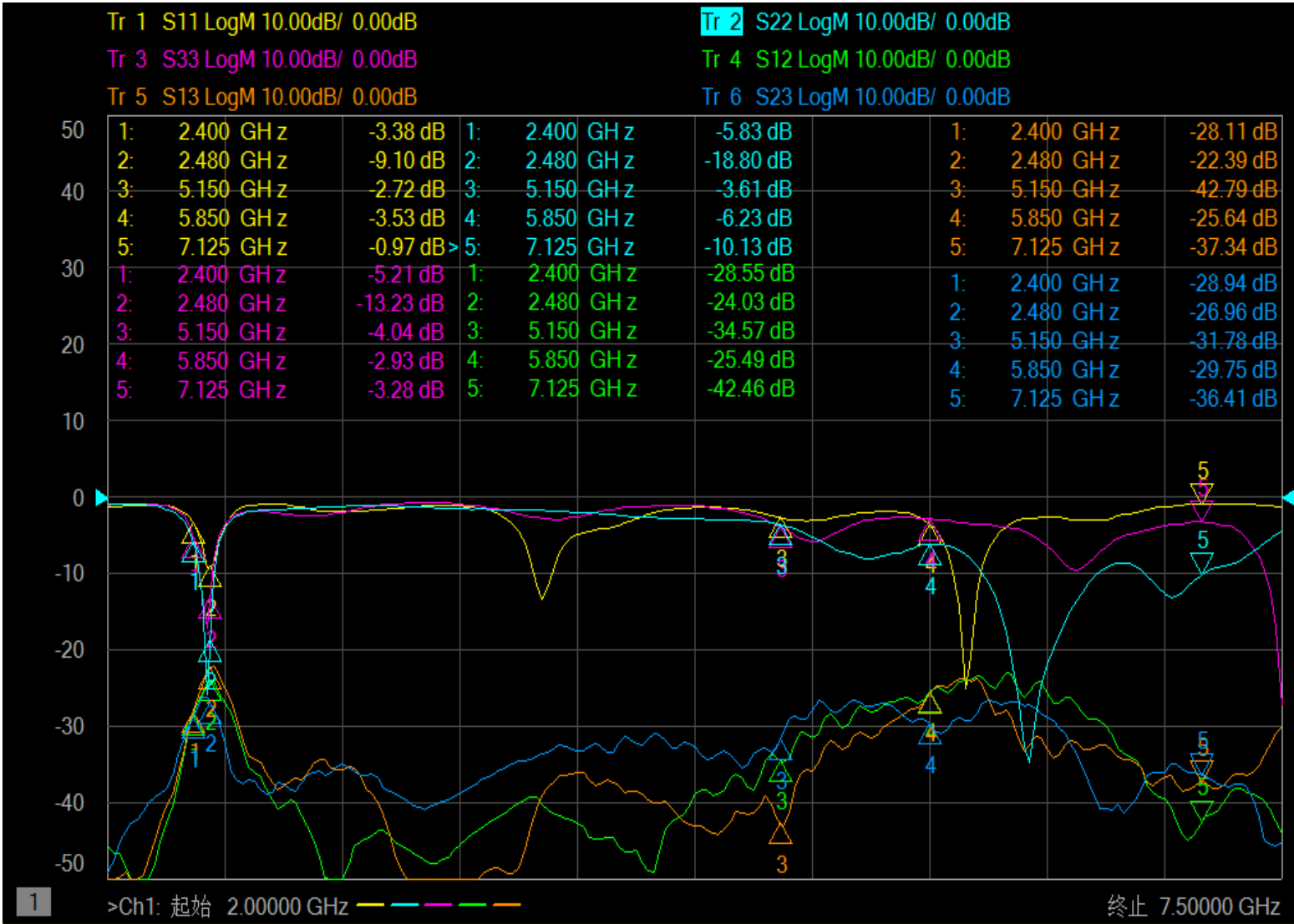


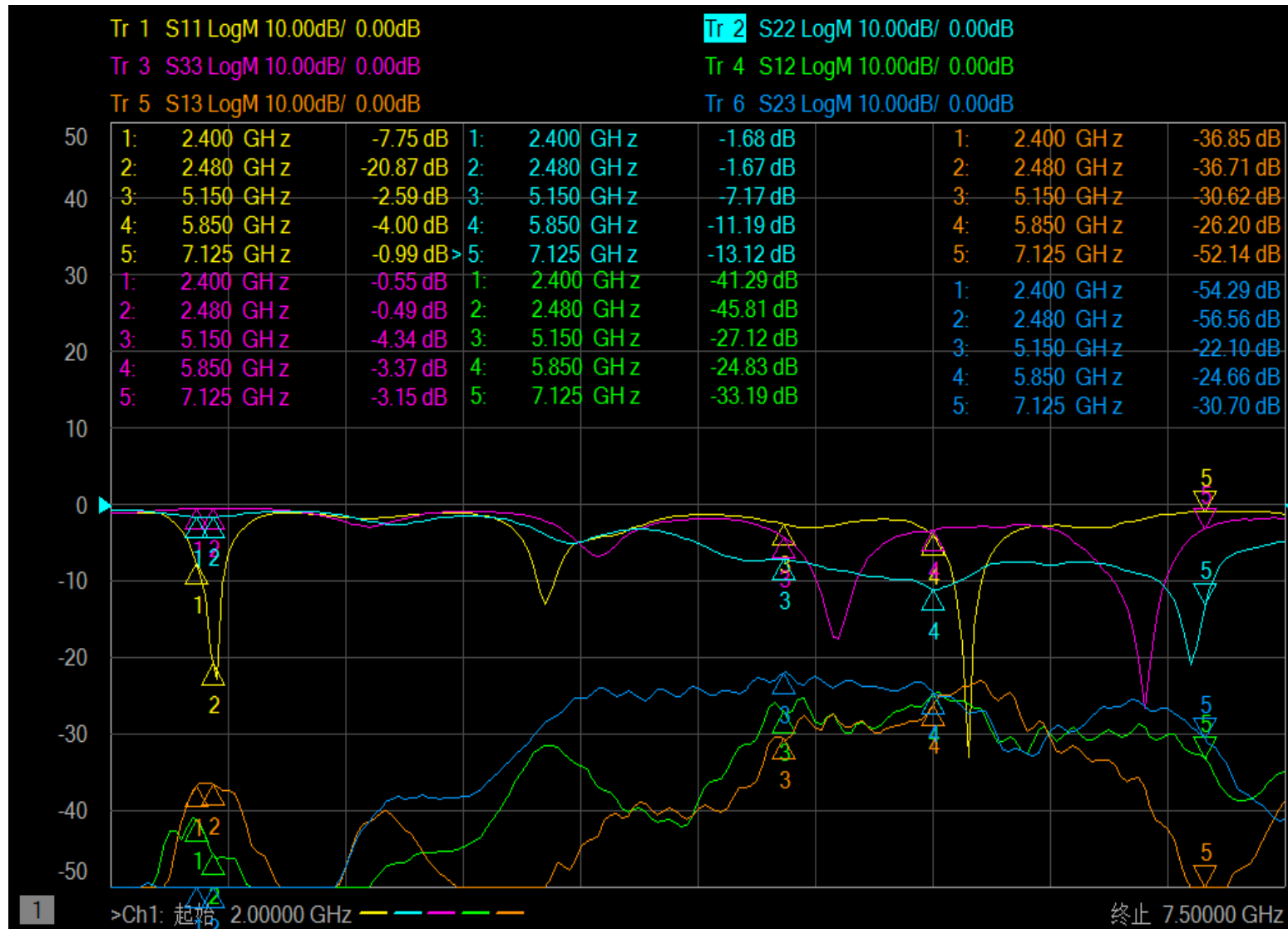
WiFi-1 5.8G













深圳汉阳天线设计有限公司

SHENZHEN HANYANG ANTENNA DESIGN CO. LTD.

5G

Welcome calls consultations, negotiations and guidance come!

Thank you

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