



SHENZHEN HANYANG ANTENNA DESIGN CO. LTD.

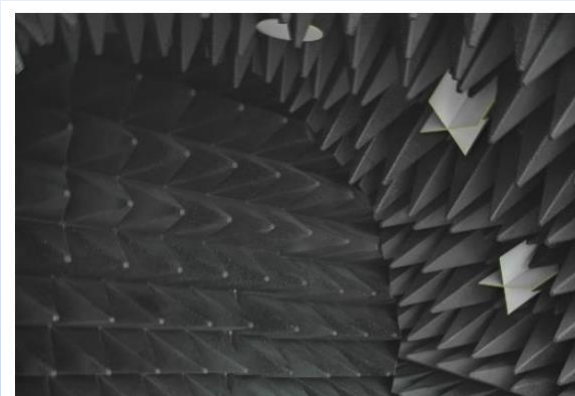
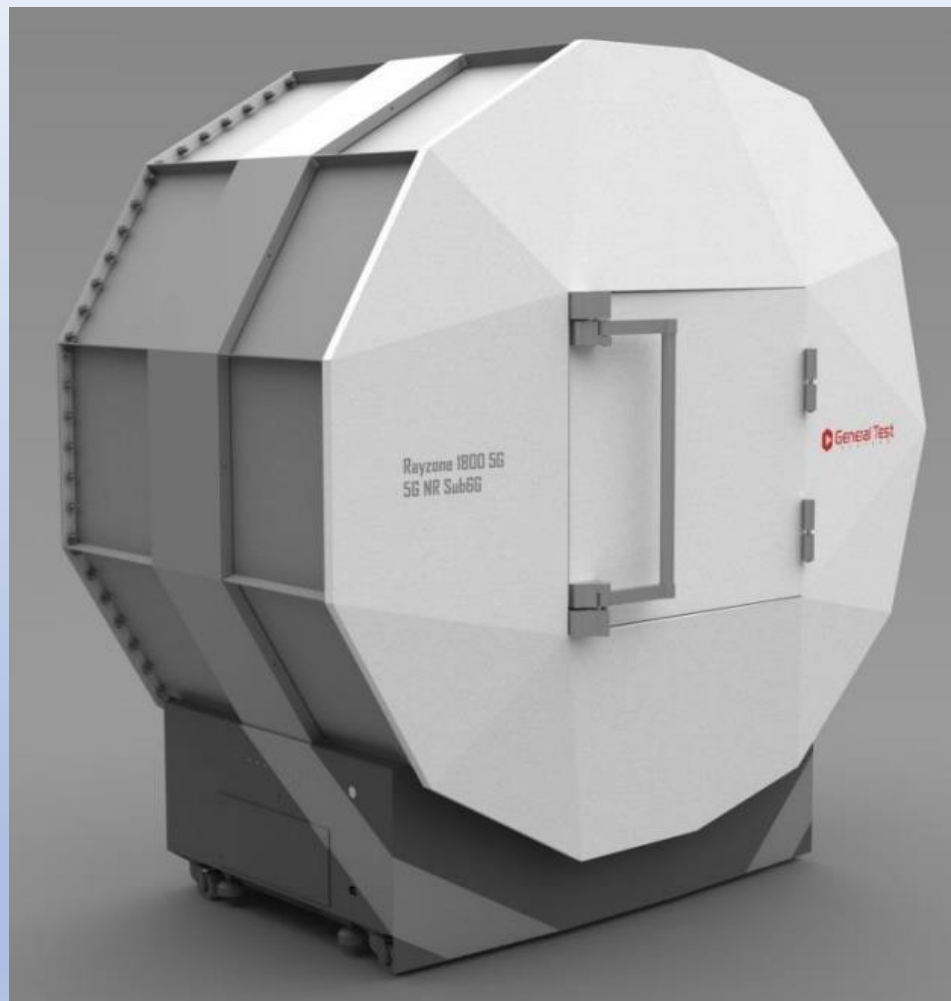
BT Antenna Test Report

Project Name: Q2 Pro

HY P/N: T301B

Manufacturer: HANYANG ANTENNA

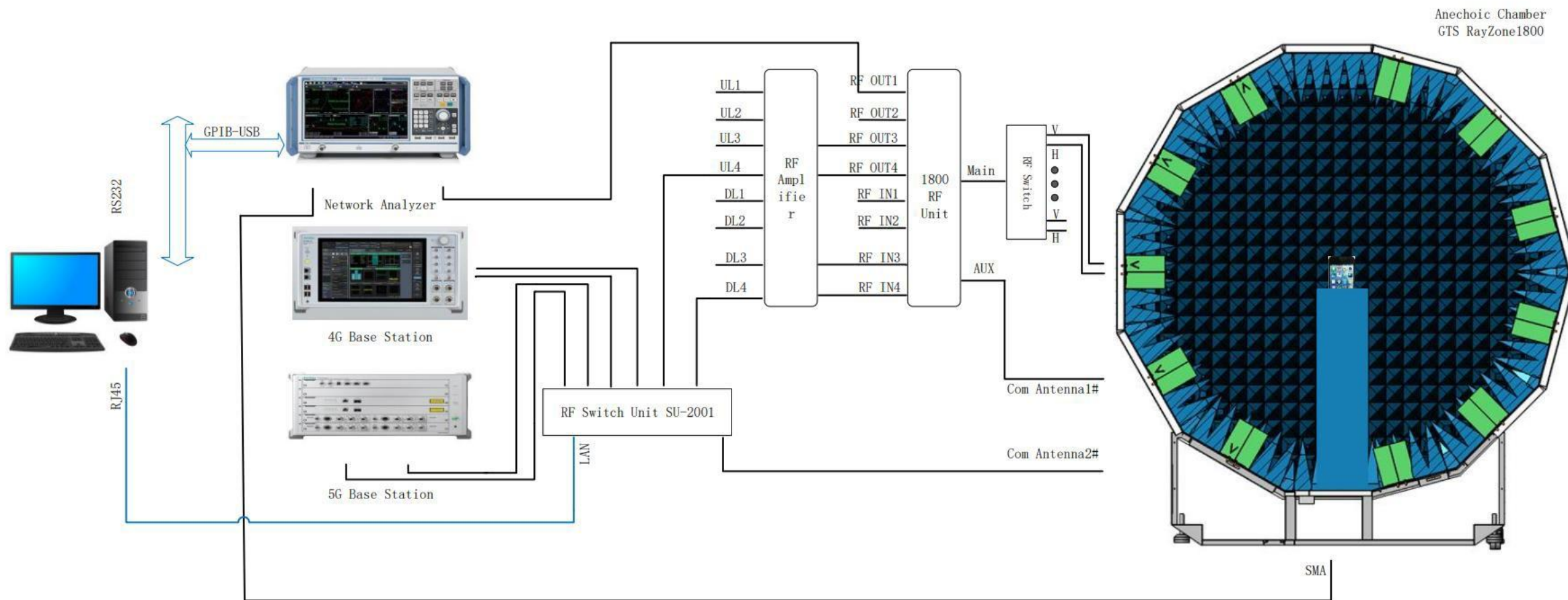
Date: 2023-04-20



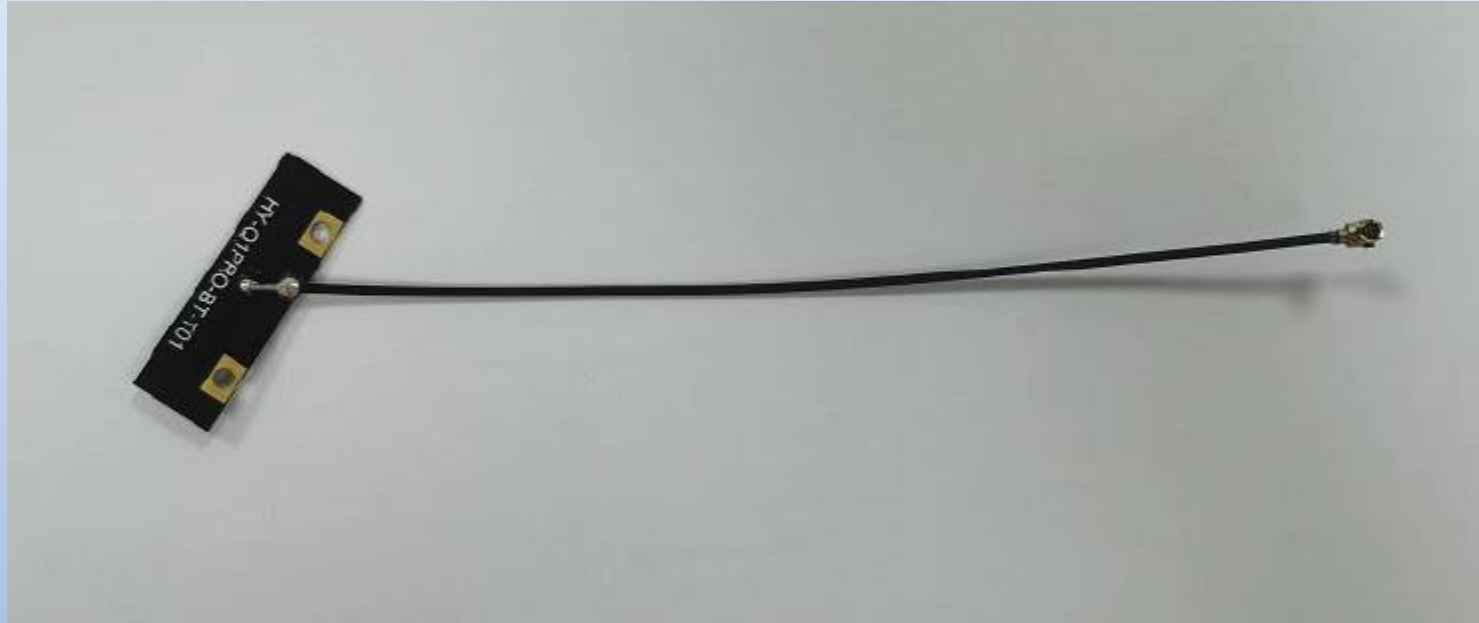
- 无线通信标准: 2G/3G/4G/5G(FR1)/GNSS/A-GNSS/Wi-Fi/Bluetooth
- 物联网通信标准: LTE Cat NB1(NB-IoT)/Cat-M1(e-MTC)
- SISO测试TRP/TIS/EIRP/EIS, 2x2 MIMO吞吐率测试;
- 无源天线测试、Desense测试、ICS
- 支持600MHz-7.5GHz频段
- GTS MaxSign 100 测试软件支持天线/OTA测试, 提供可视化数据分析
- 新型EPP硬质环保吸波材料、低RCS高增益测量天线组、透波转台和夹具
- 快速MIMO测试; 认证级测试精度
- 一体化设计, 即插即用, 维护简单

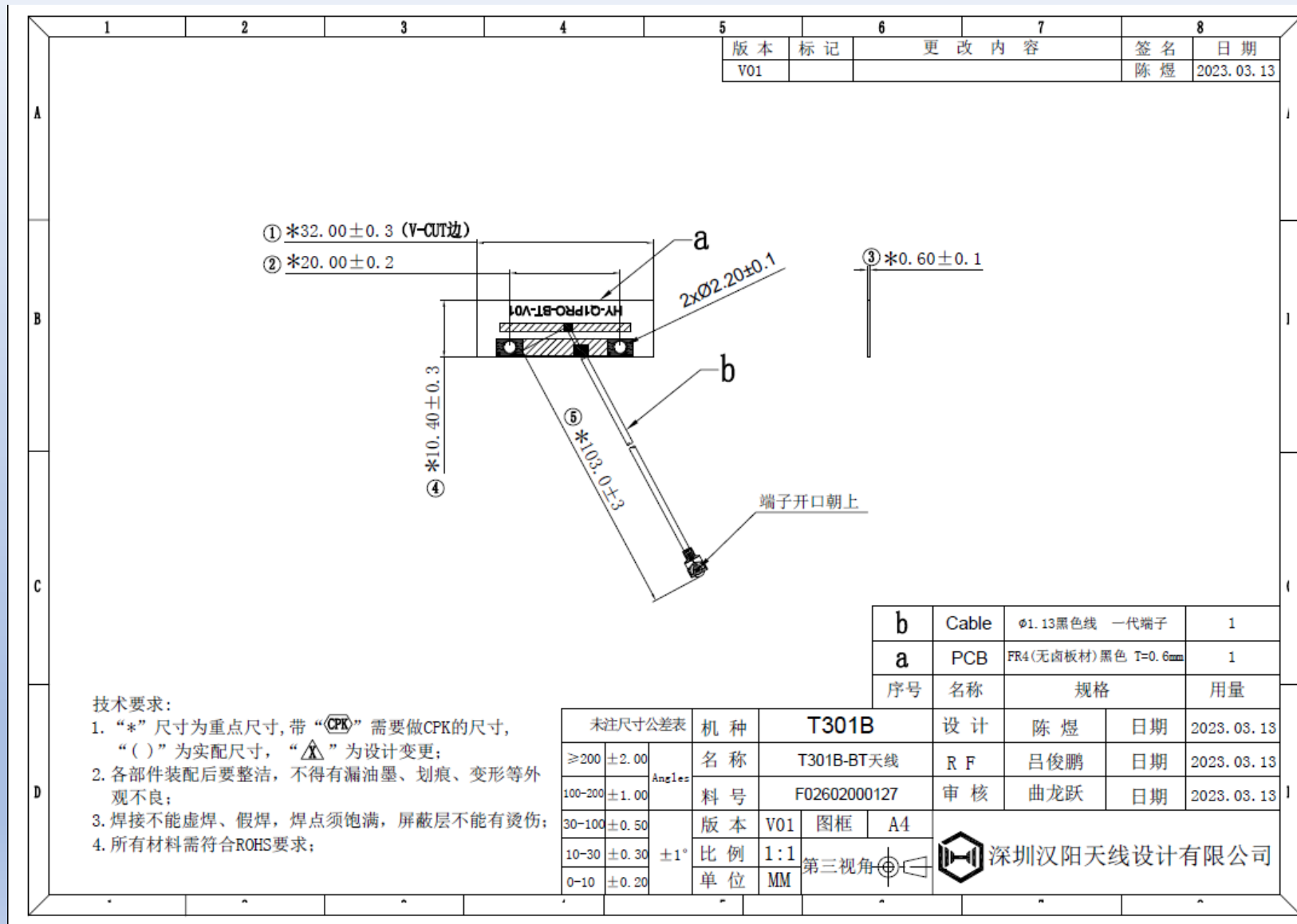


RayZone1800 Test Setup



L=103mm





Technical Property	
Frequency Spectrum	2400MHz—2500MHz
Characteristic Impedance	50 Ω
Max Peak Gain (dBi)	-0.28 dBi
Max Efficiency (%)	31.97 %
Polarization	Linear Polarization
Directivity	Omnidirectional
Operation/Storage Temp	-10 ~ 85°C

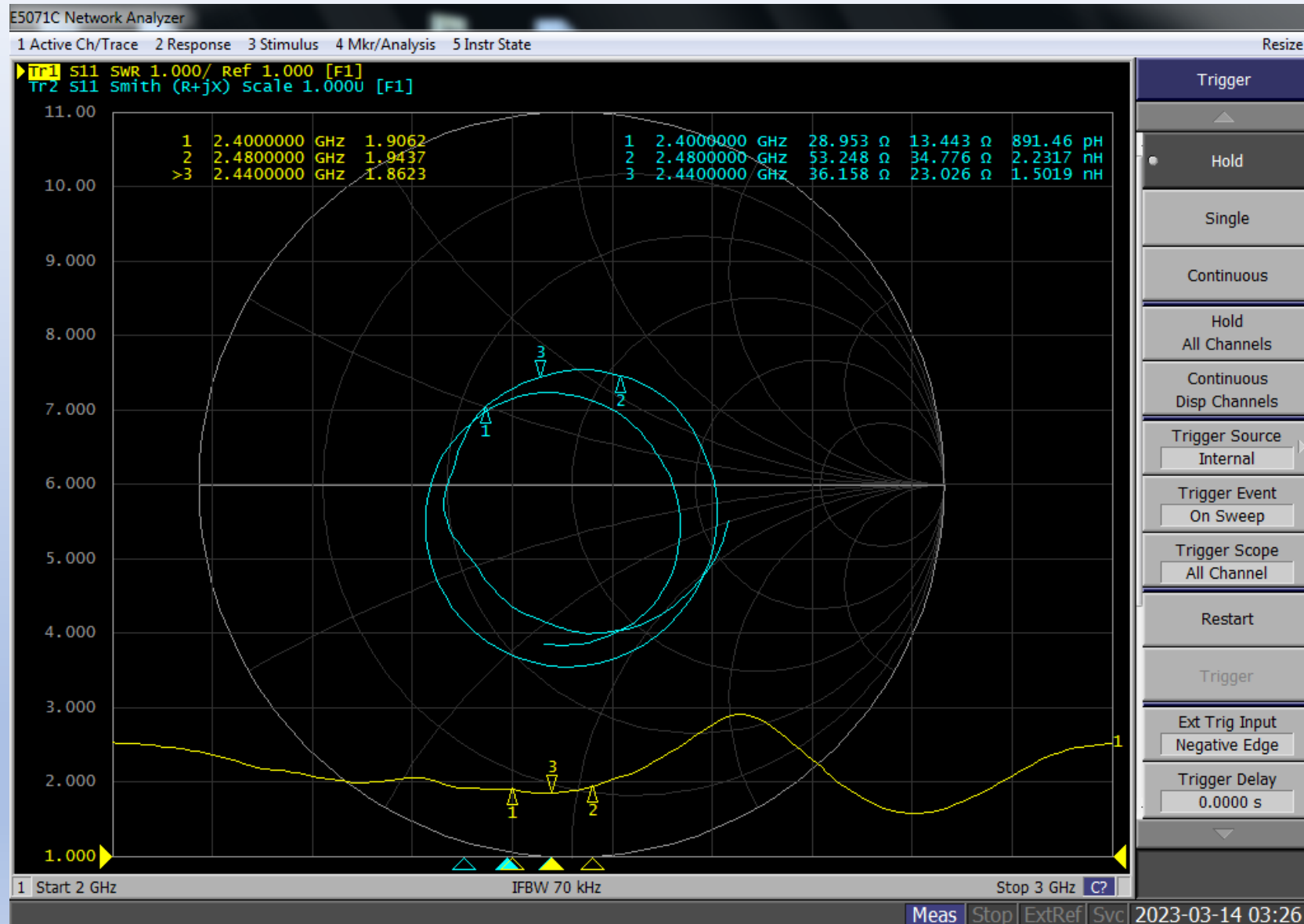
Performance Test(Efficiency & Gain)

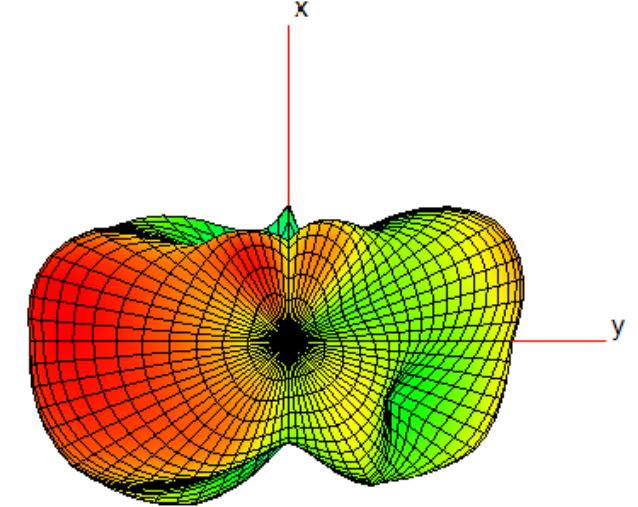
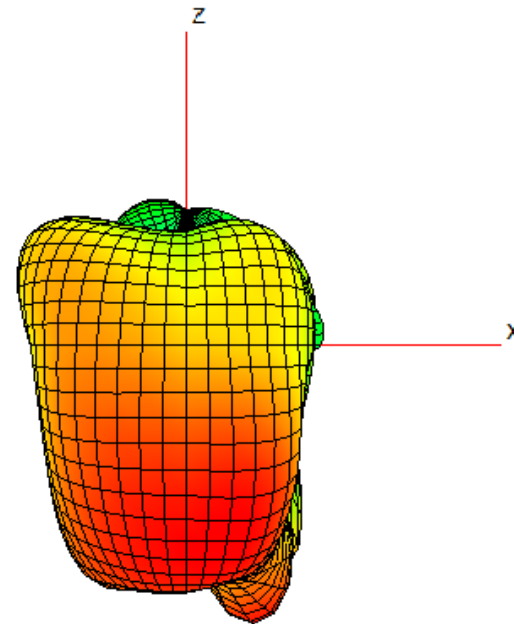
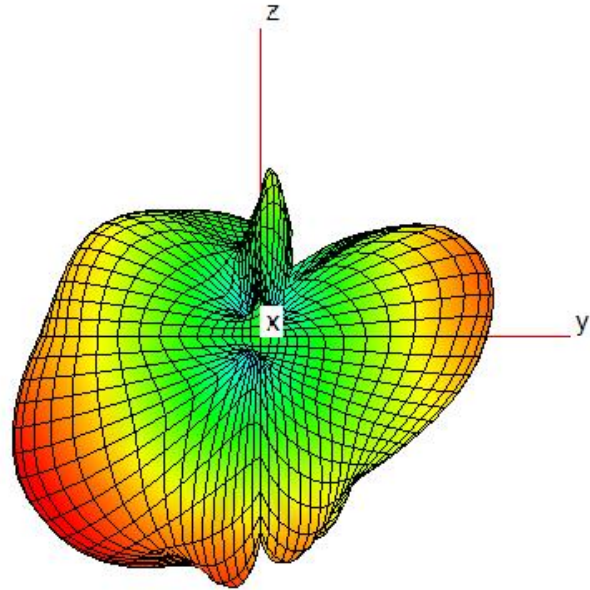


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Freq _MHz	Efficiency _dB	Efficiency _Pcent	Gain _dBi
2400	-5.00	31.63	-0.40
2410	-4.95	31.97	-0.35
2420	-4.91	32.32	-0.28
2430	-5.04	31.33	-0.28
2440	-5.05	31.28	-0.28
2450	-5.16	30.50	-0.48
2460	-5.33	29.30	-0.83
2470	-5.56	27.82	-1.25
2480	-5.97	25.29	-1.79
2490	-6.33	23.30	-2.29
2500	-6.66	21.60	-2.65

S11 Plot & Smith Chart

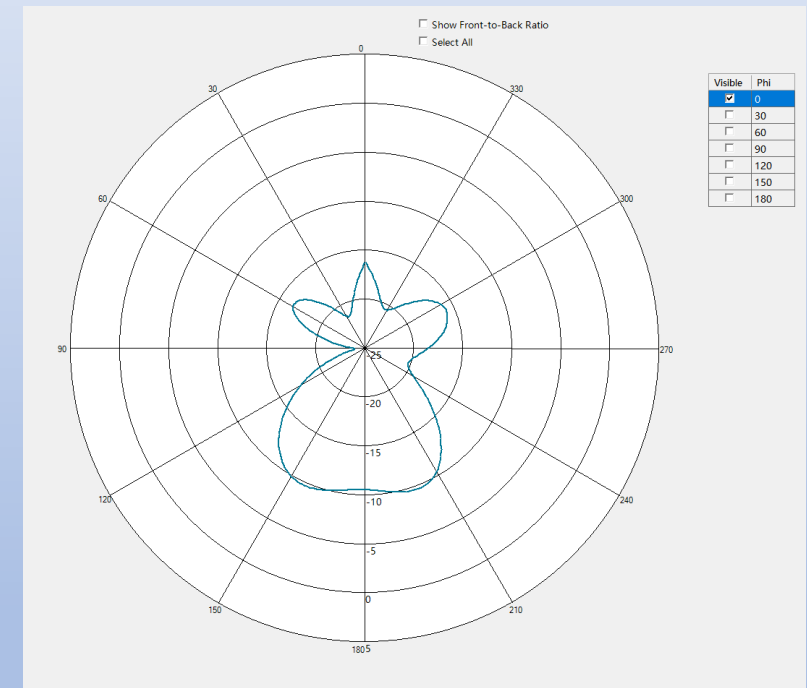
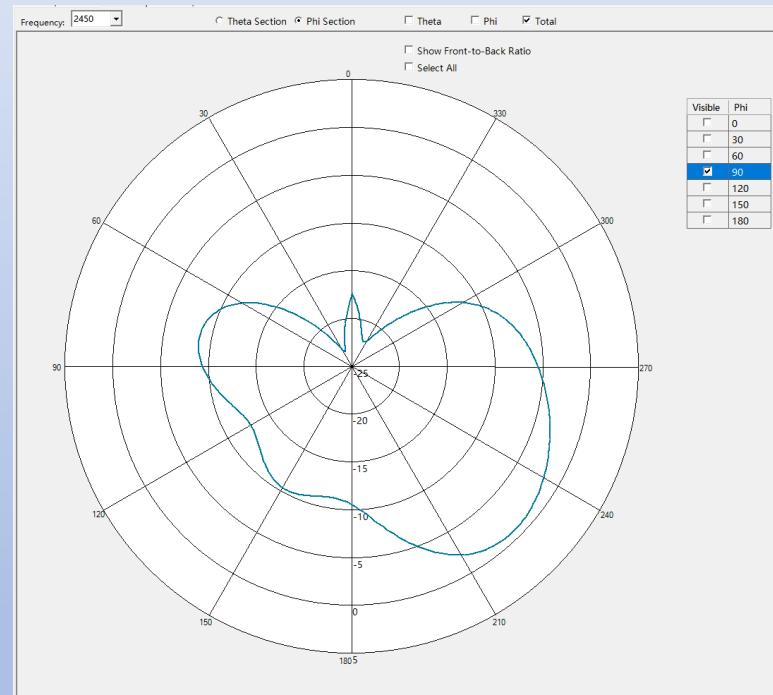
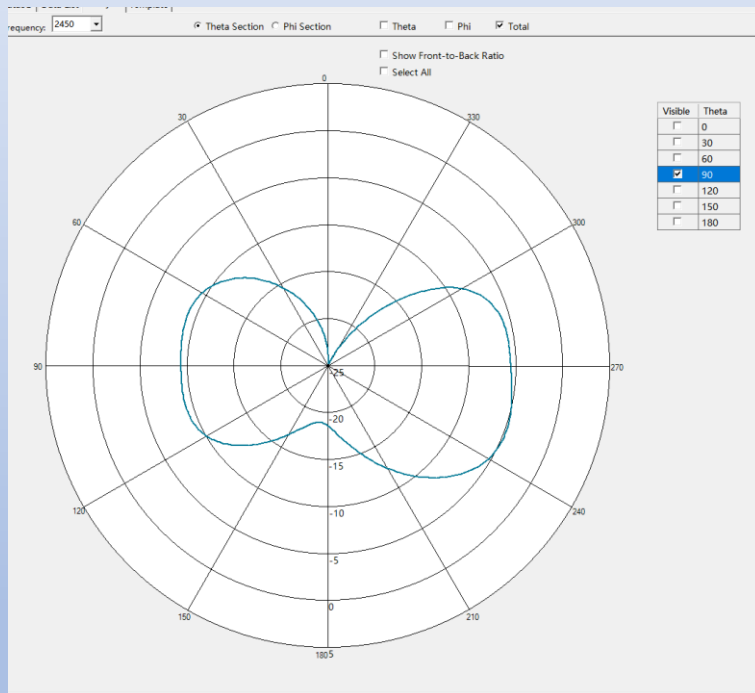




Radiation pattern-2D



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5G

Welcome calls consultations, negotiations and guidance come!

Thank you