

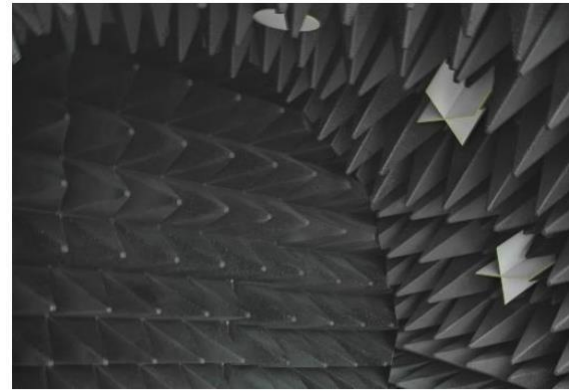
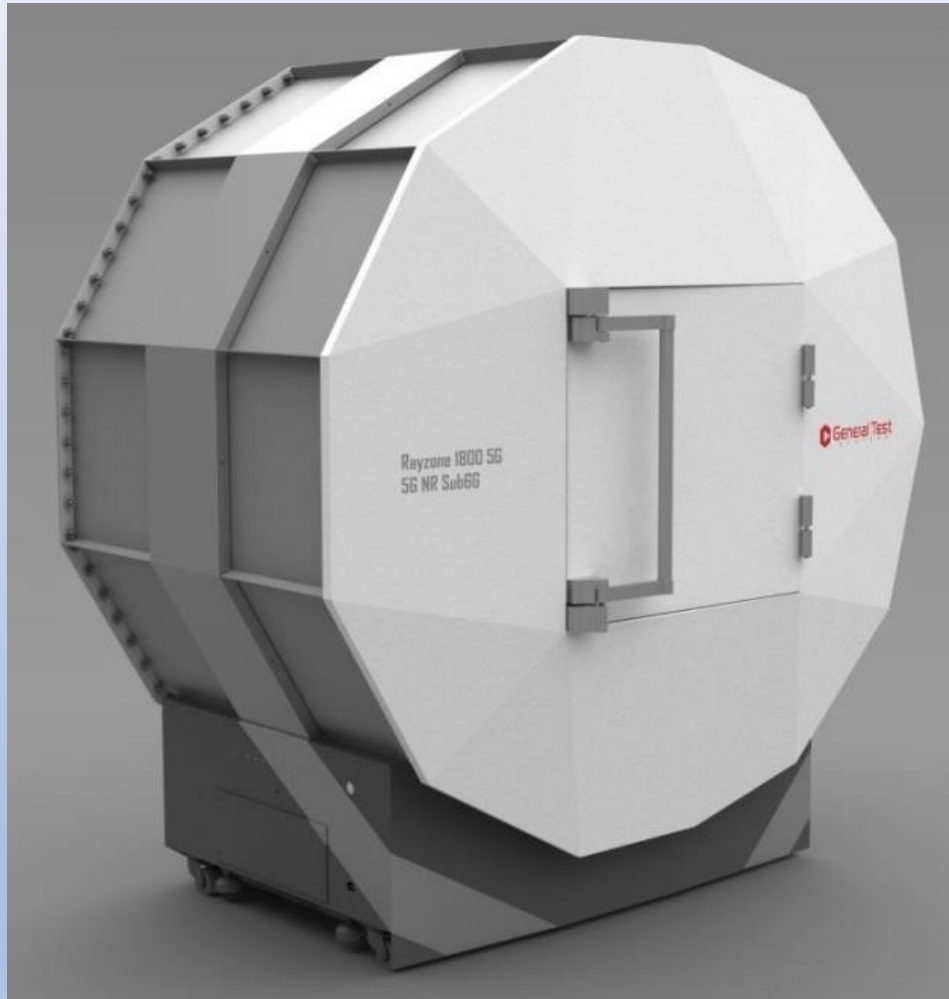


**SHENZHEN HANYANG ANTENNA DESIGN
CO., LTD.**

BT Antenna Test Report

Project Name: Q1 Pro

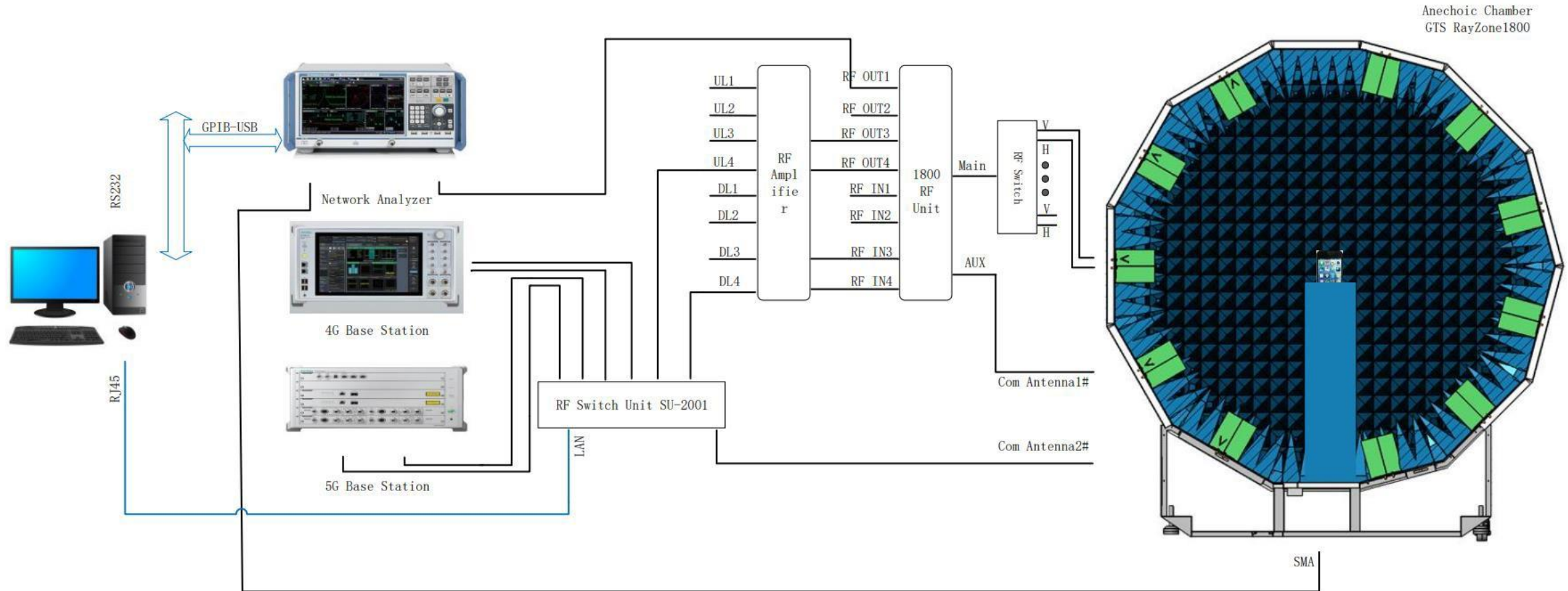
Date: 2022-11-28



- 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



$L=120\text{mm}$





Technical Property	
Frequency Spectrum	2400MHz—2500MHz
Characteristic Impedance	50 Ω
Max Peak Gain (dBi)	1.53 dBi
Max Efficiency (%)	32.82 %
Polarization	Linear Polarization
Directivity	Omnidirectional
Operation/Storage Temp	-10 ~ 85°C

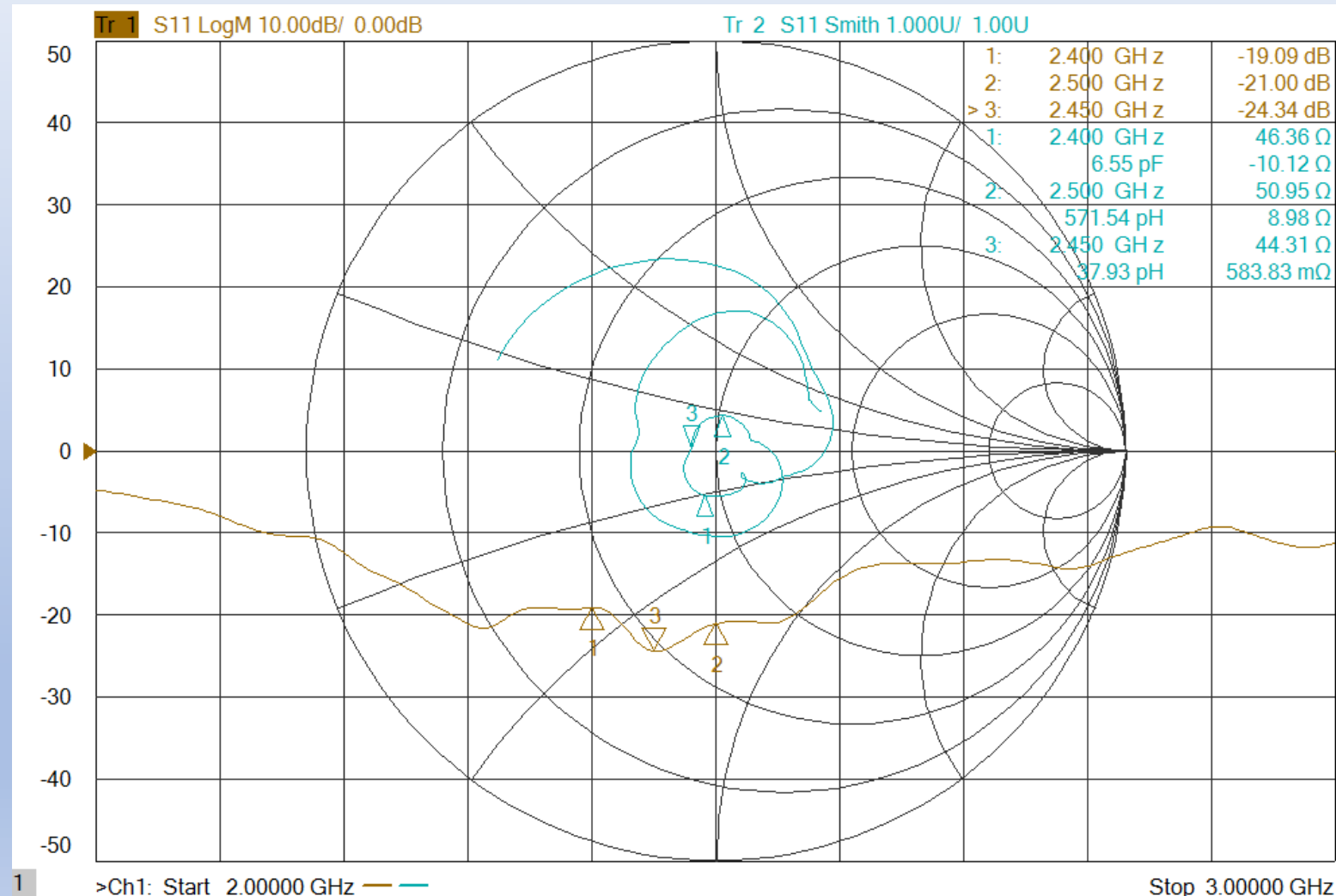


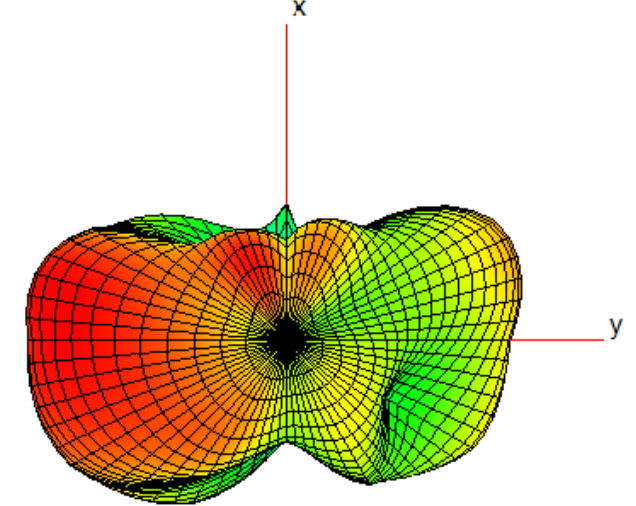
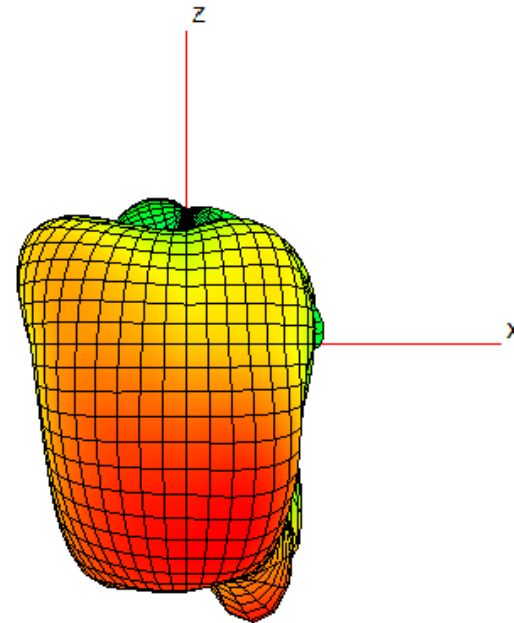
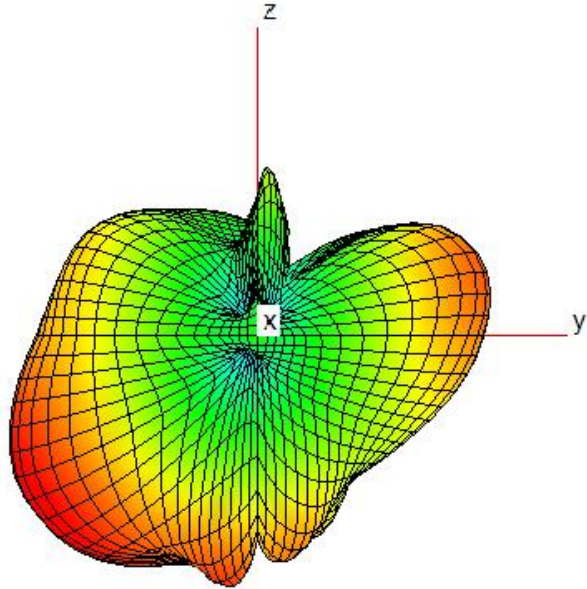
Q1#2.4G			
Frequency_MHz	Efficiency_dB	Efficiency_%	Gain_dBi
2400	-5.37	29.04	1.46
2410	-5.07	31.09	1.44
2420	-4.84	32.82	1.53
2430	-5.36	29.13	1.36
2440	-5.84	26.04	1.24
2450	-6.17	24.14	1.13
2460	-6.2	23.98	0.88
2470	-6.03	24.94	0.34
2480	-6.45	22.63	-0.06
2490	-6.8	20.88	0.04
2500	-7.17	19.18	-0.08

S11 Plot & Smith Chart



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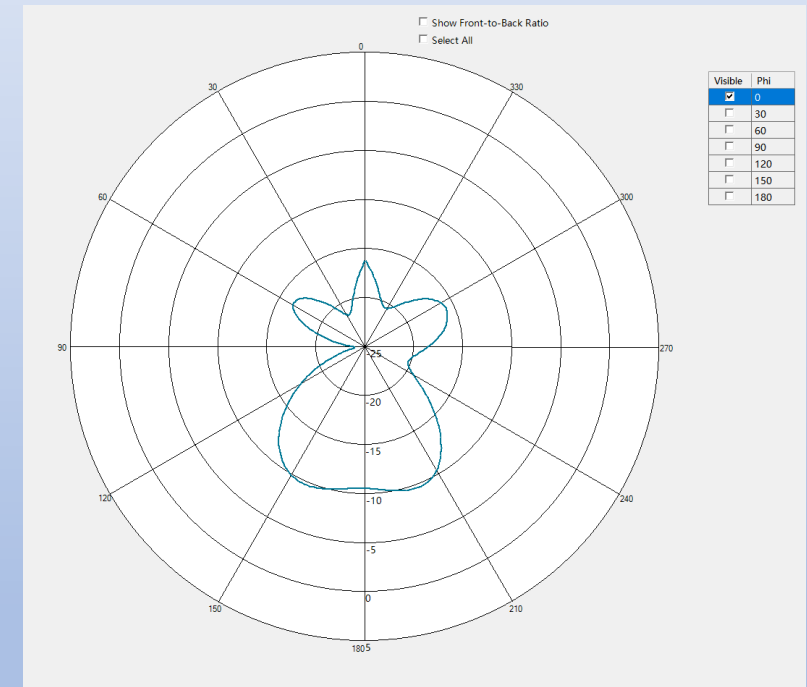
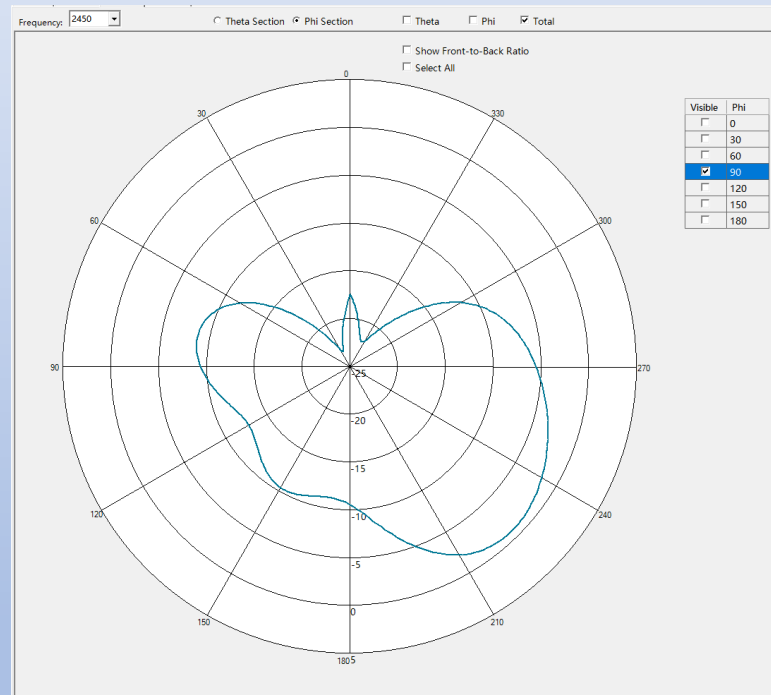
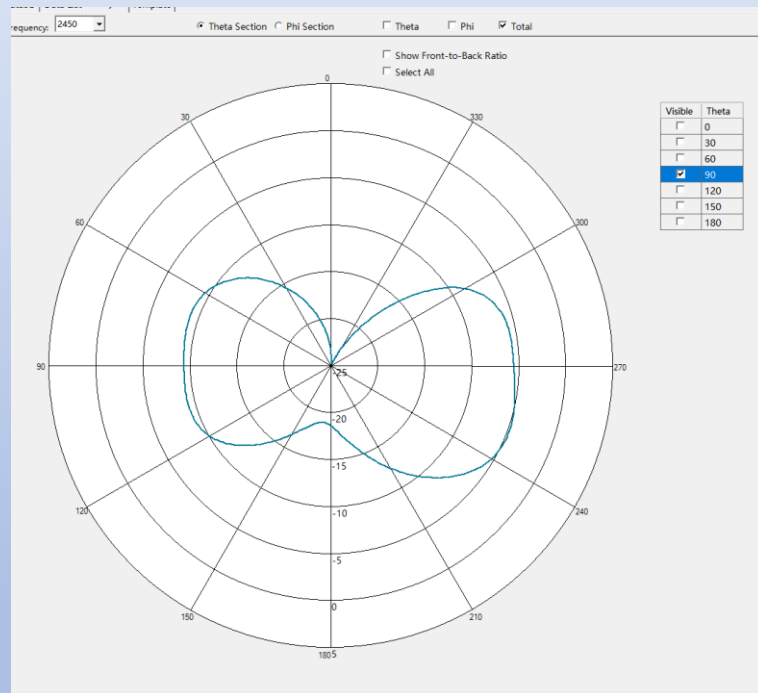




Radiation pattern-2D



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5G

Welcome calls consultations, negotiations and guidance come!

Thank you