



**深圳汉阳天线设计有限公司**

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

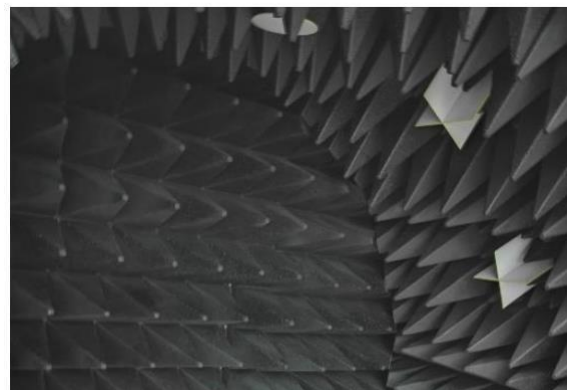
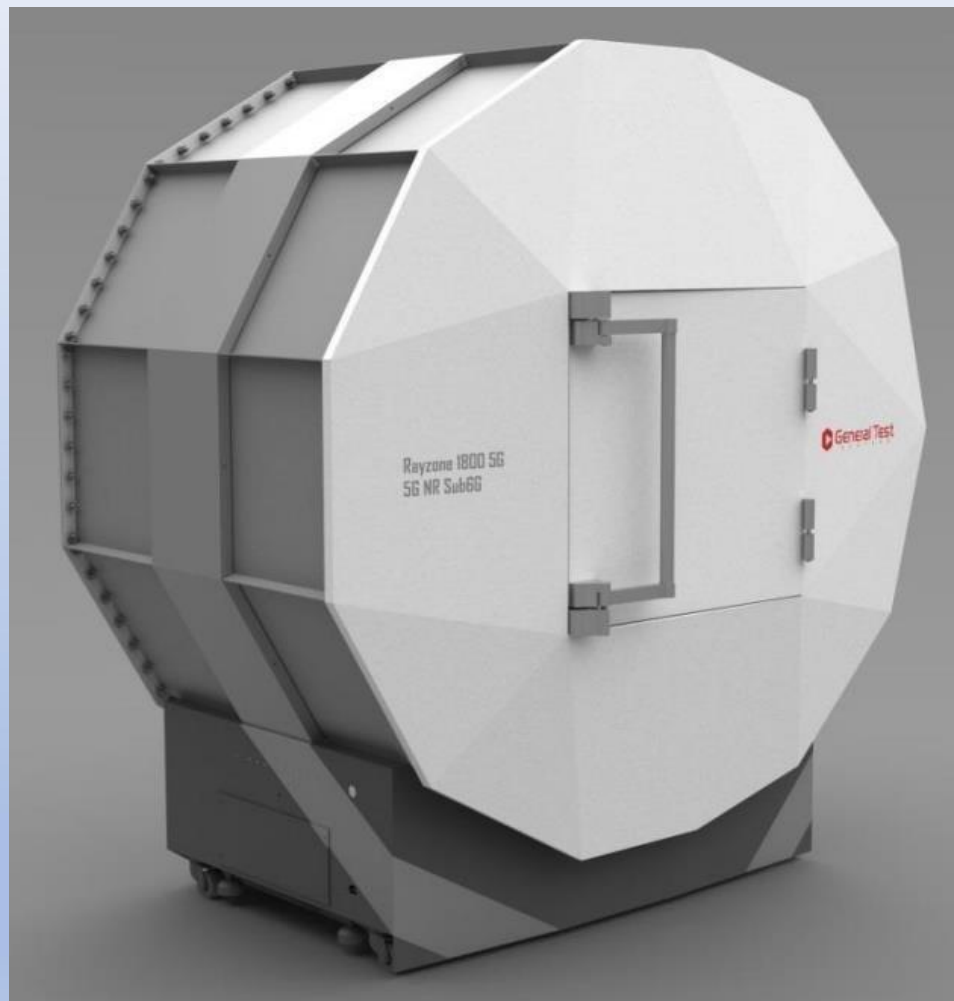
**Customer: GSD**

**Antenna Test Report**

**ANT name: DCT1T**

**ANT type: PCB**

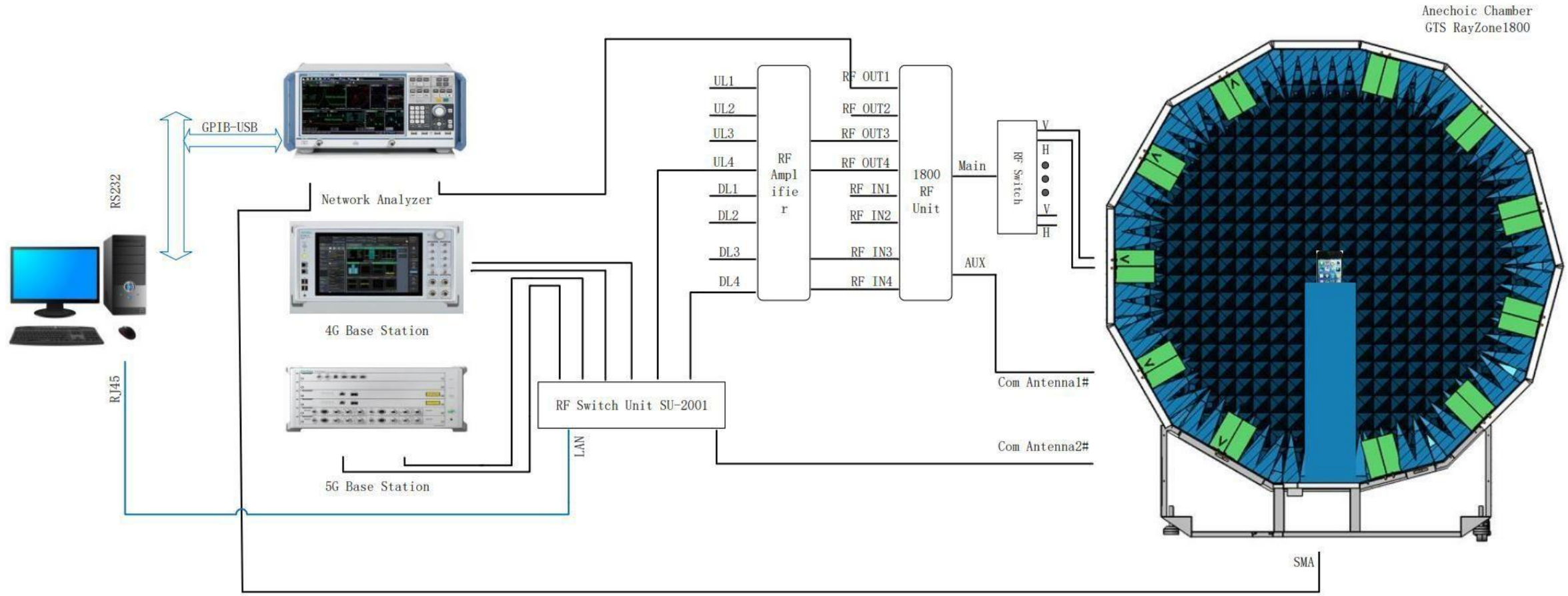
**Date : 2024-12-21**



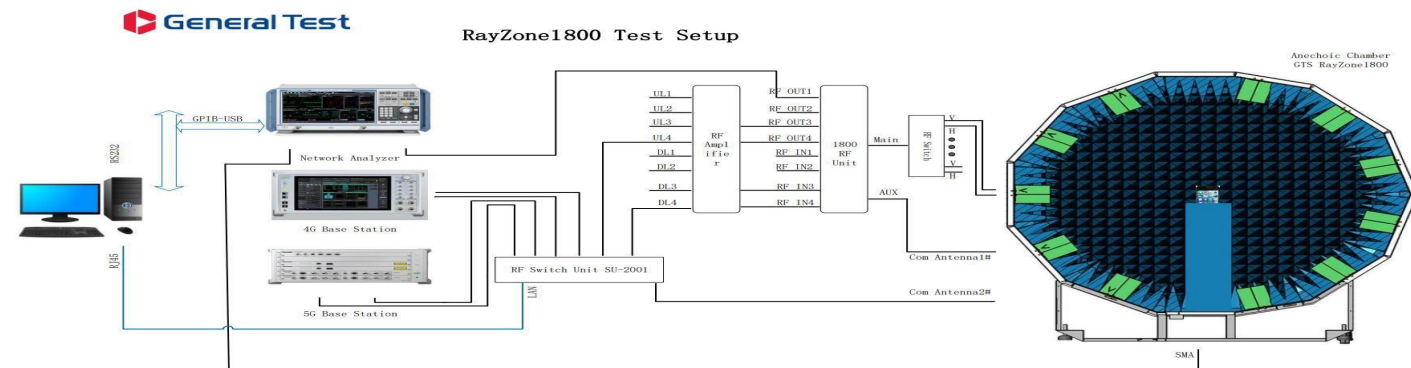
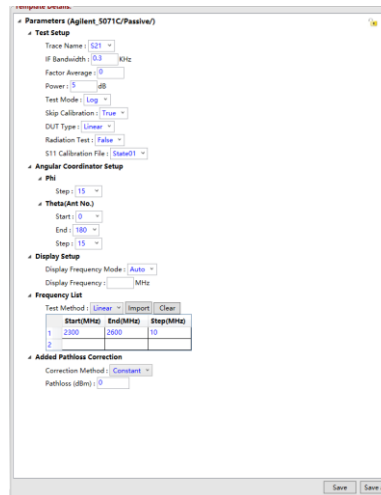
- 无线通信标准: 2G/3G/4G/5G(FR1)/GNSS/A-GNSS/Wi-Fi/Bluetooth
- 物联网通信标准: LTE Cat NB1(NB-IoT)/Cat-M1(e-MTC)
- SISO测试TRP/TIS/EIRP/EIS, 2x2 MIMO吞吐率测试;
- 无源天线测试、Desense测试、ICS
- 支持600MHz-7.5GHz频段
- GTS MaxSign 100 测试软件支持天线/OTA测试, 提供可视化数据分析
- 新型EPP硬质环保吸波材料、低RCS高增益测量天线组、透波转台和夹具
- 快速MIMO测试; 认证级测试精度
- 一体化设计, 即插即用, 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



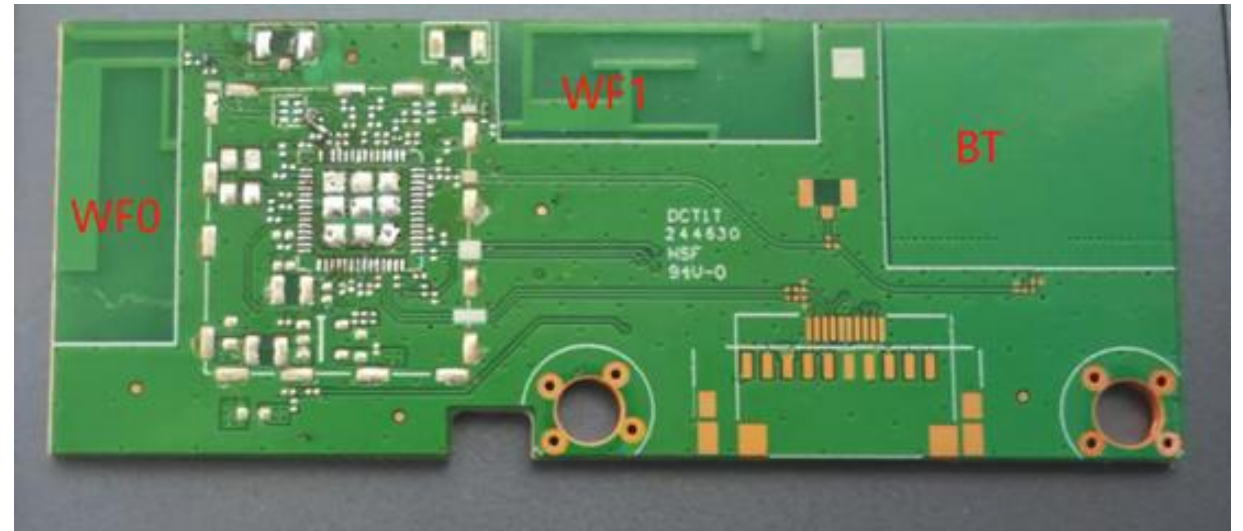
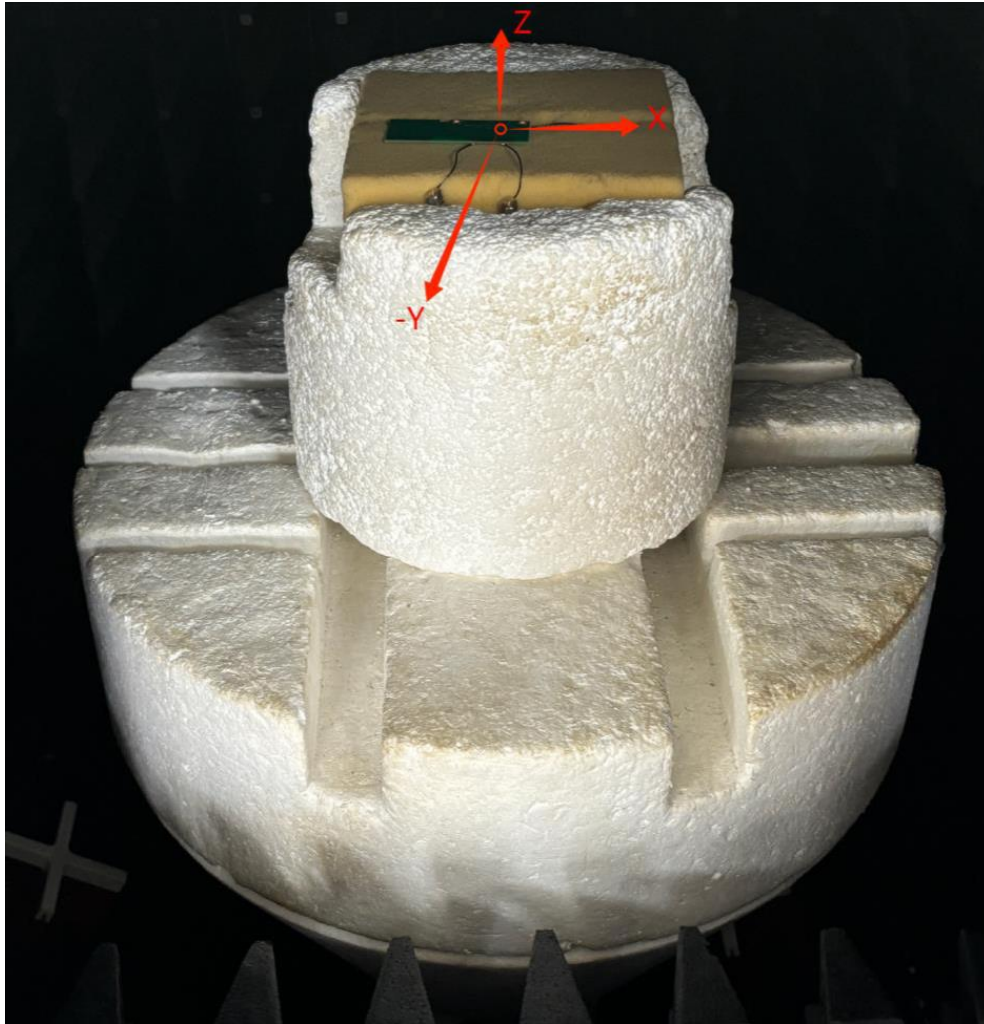
## RayZone1800 Test Setup



Test set-up:



## Test flow:



Equipment calibration

| Euipment     | Manufacturer | Model  | SN         | calibration Date | Due. Date  |
|--------------|--------------|--------|------------|------------------|------------|
| 网络分析仪        | Keysight     | E5071C | MY47002902 | 2024.08.01       | 2025.07.31 |
| CMW500天线测试系统 | GTS          | 1800   | /          | 2024.08.01       | 2025.07.31 |

BT Gain:

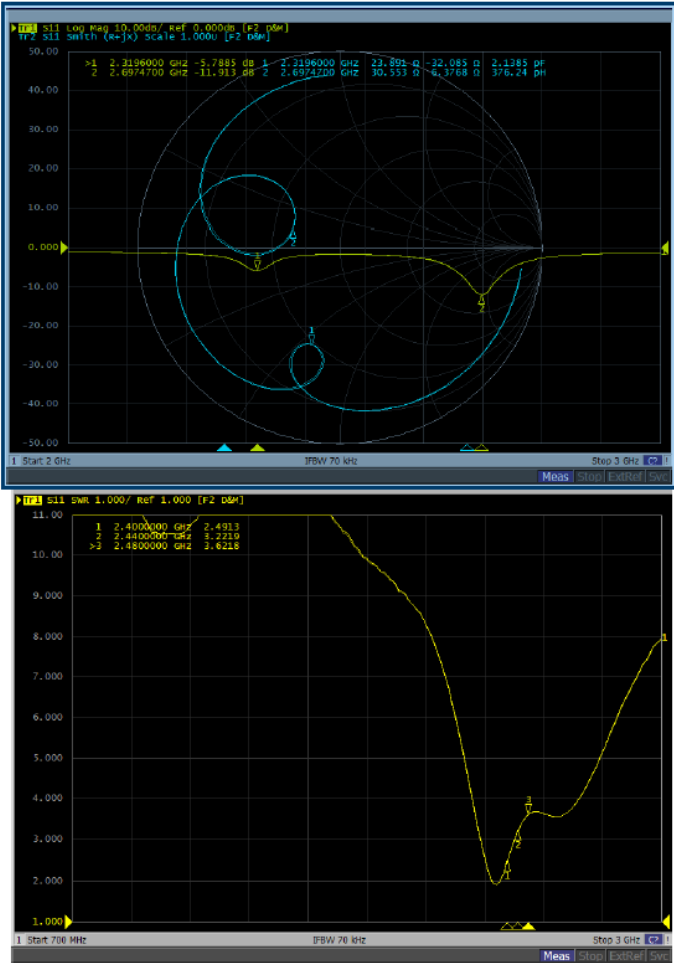
| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna (dBi) |
|---------|-----------------|--------------|-------------------|
| BT      | 2402-2480       | PCB Antenna  | 0.2               |

WIFI Gain:

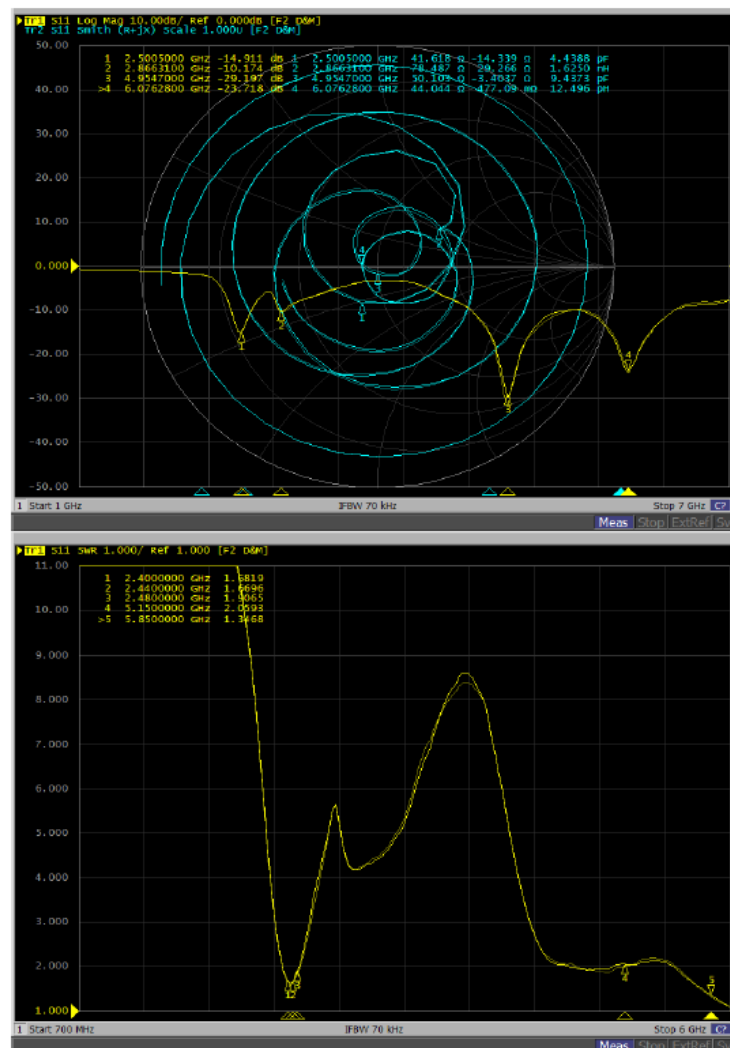
| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna (dBi) |
|---------|-----------------|--------------|-------------------|
| WF1     | 2412-2472       | PCB Antenna  | 2.21              |
| WF0     | 2412-2472       | PCB Antenna  | 3.35              |

| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna (dBi) |
|---------|-----------------|--------------|-------------------|
| WF1     | 5180-5825       | PCB Antenna  | 3.66              |
| WF0     | 5180-5825       | PCB Antenna  | 3.47              |

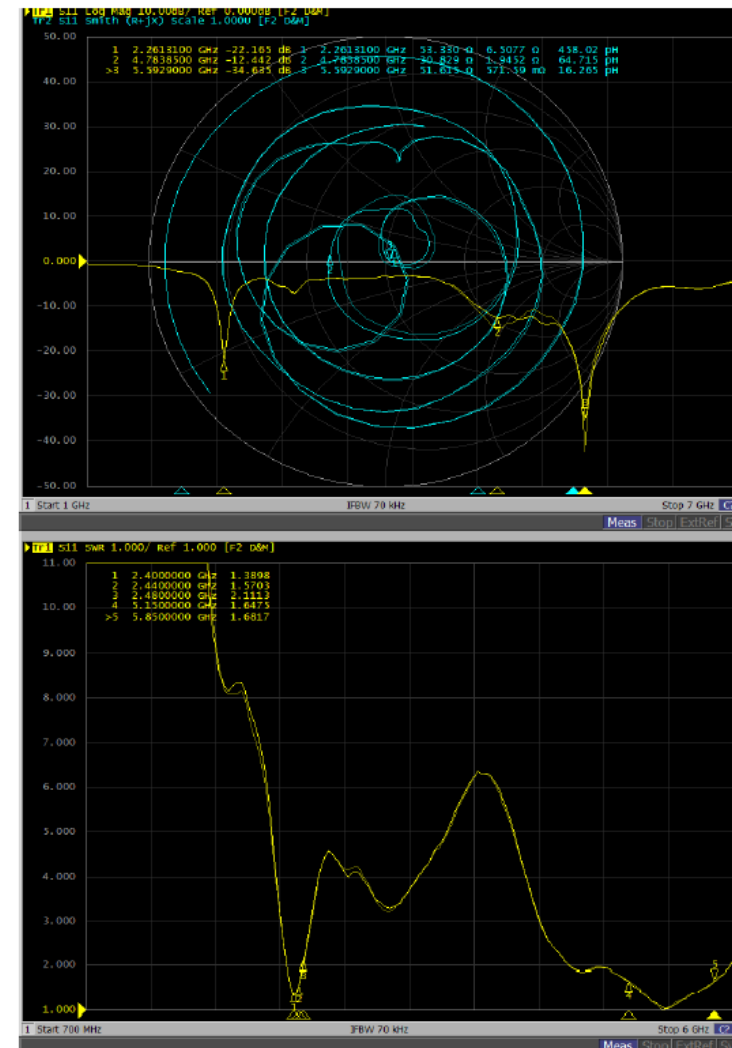
BT-2.4G



WIF 0-2.4G-5G

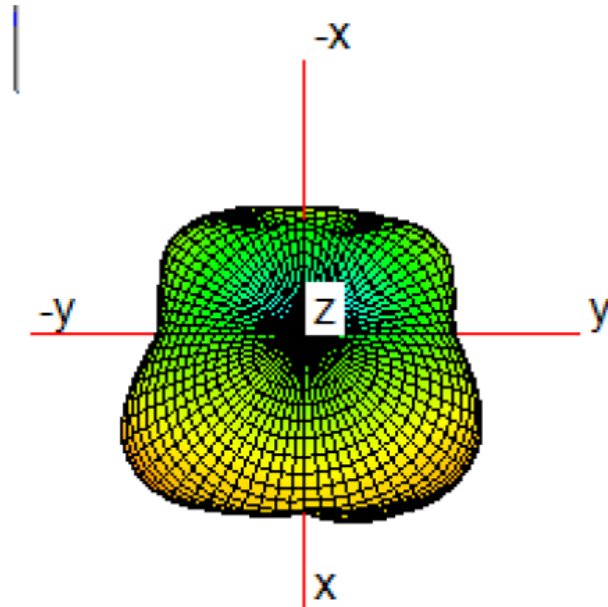
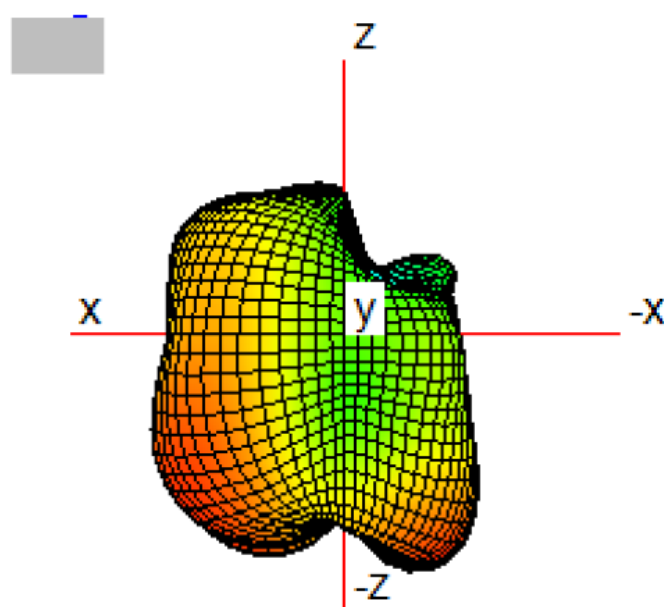
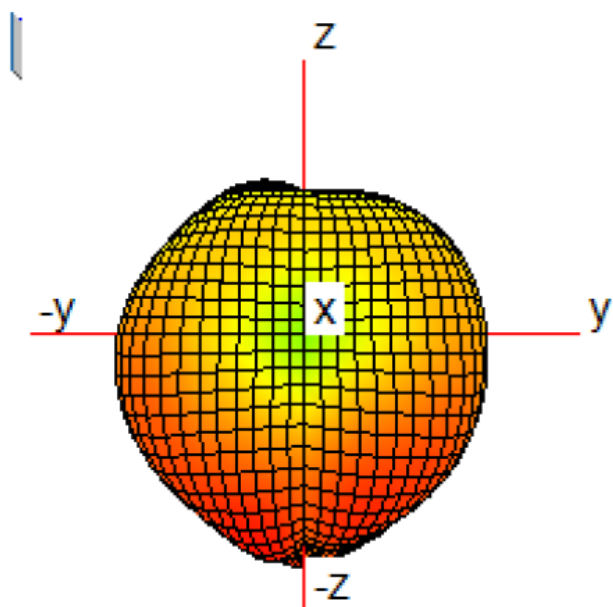


WIFI 1-2.4G-5G



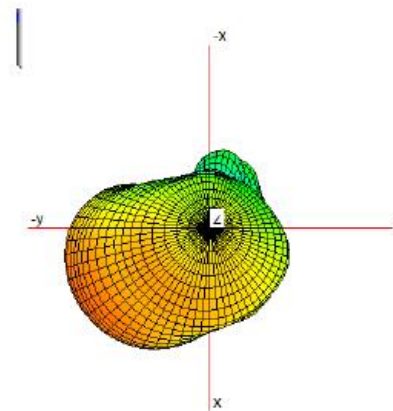
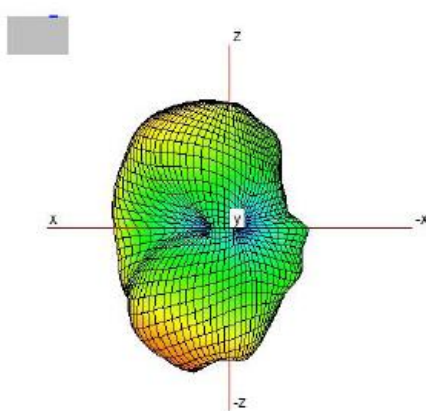
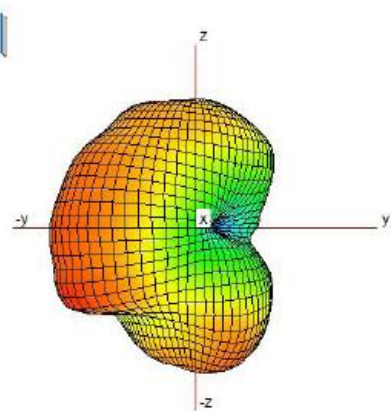


2450MHZ

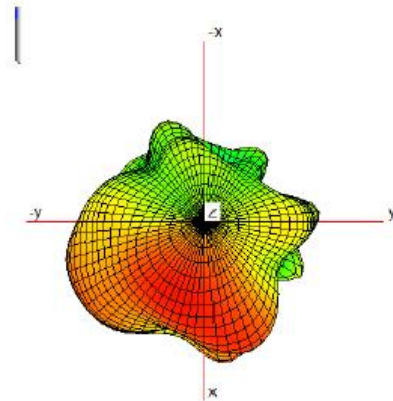
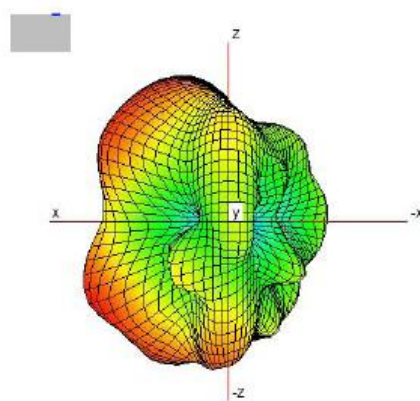
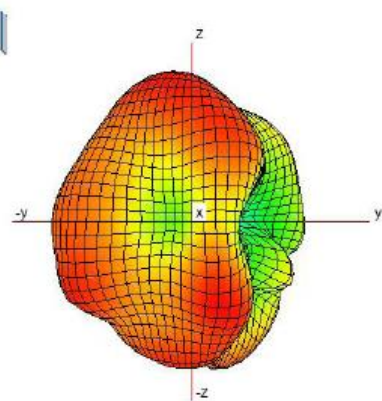




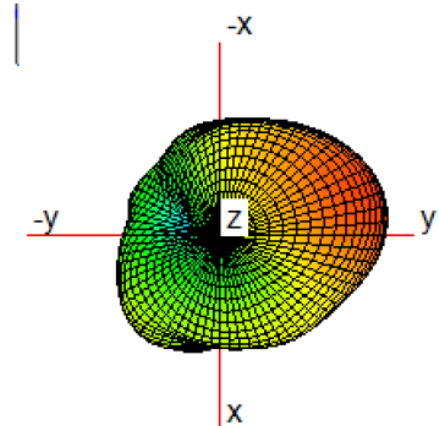
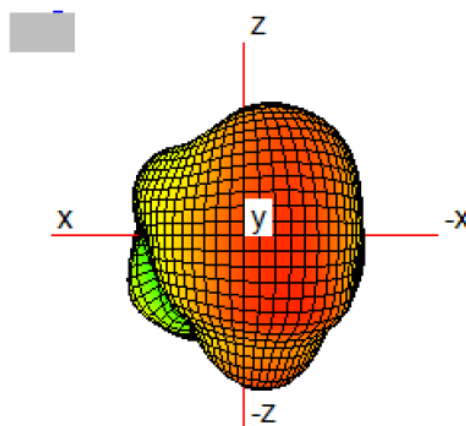
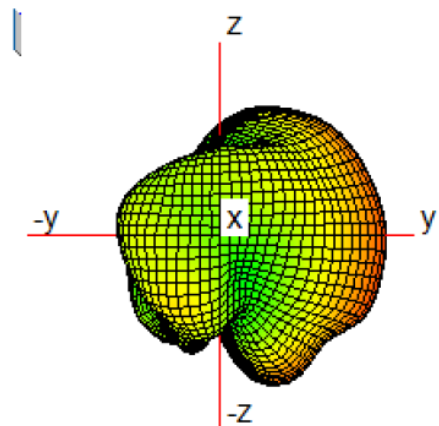
2450MHZ



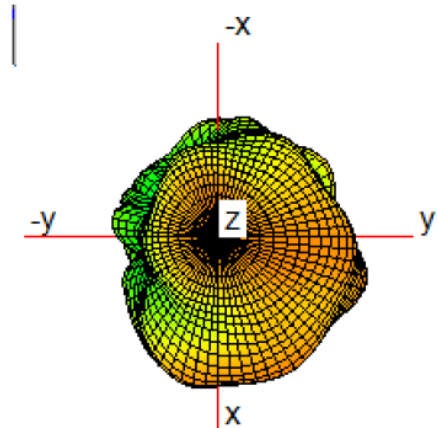
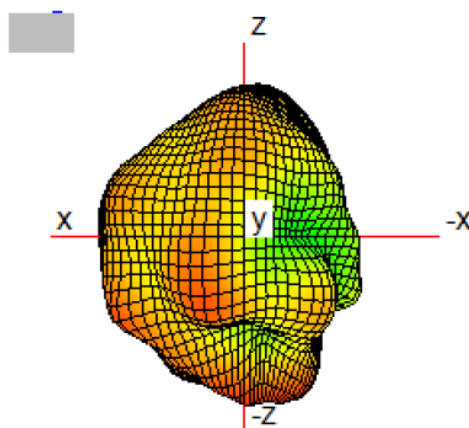
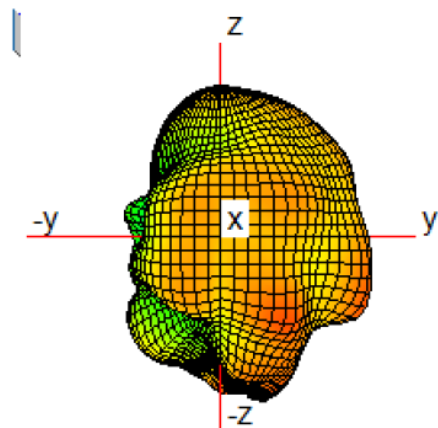
5500MHZ



2450MHZ



5500MHZ





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# 5G

Welcome calls consultations, negotiations and guidance come!

# Thank you

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