



DONGGUAN TENGXIANG ELECTRONICS CO., LTD.

5G Antenna Testing Parameters

- Pro No: AN5000-50F080BX/2.15.5.00077

- Versions: V1.0

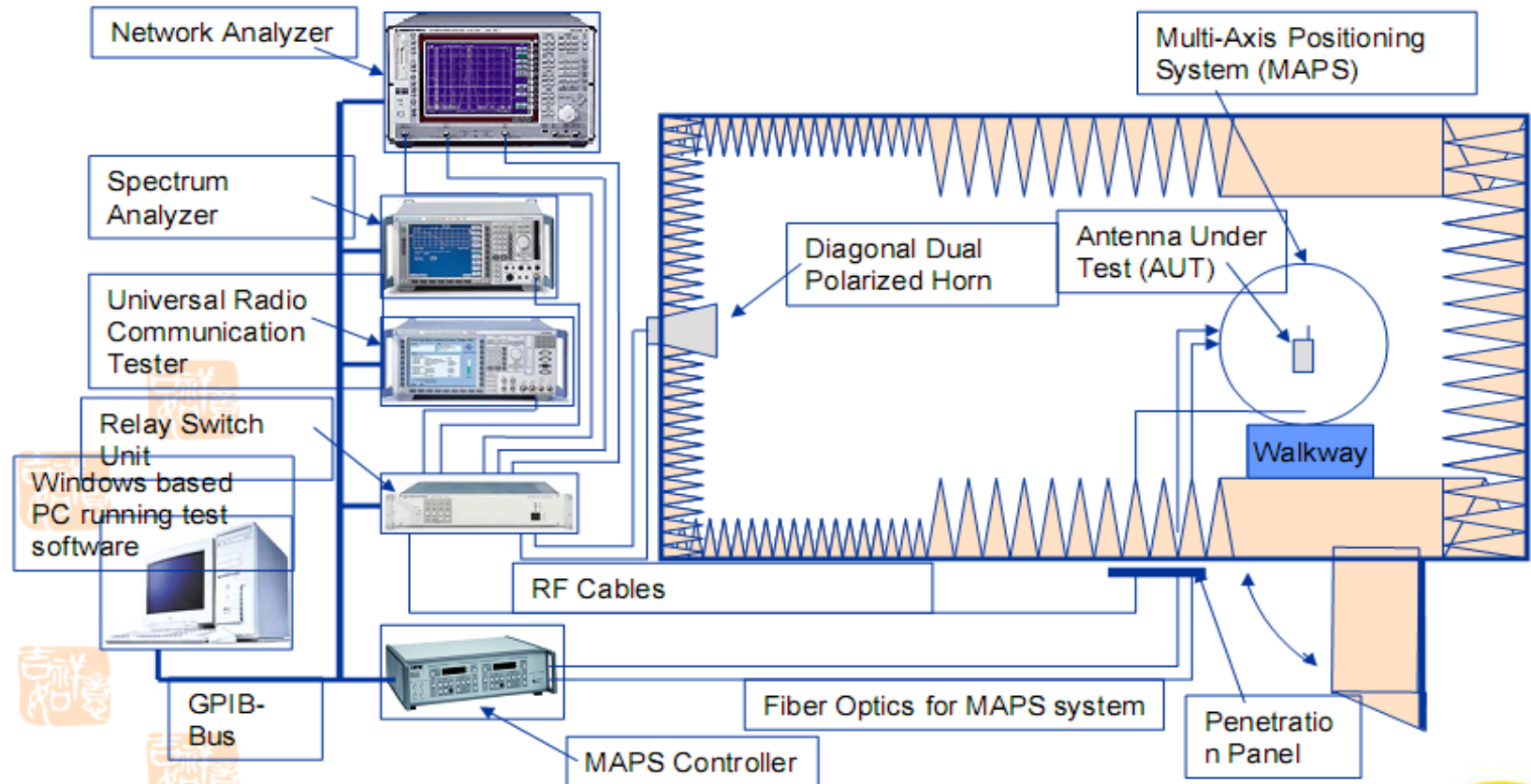
- Antenna Specification: 5150-5850MHz 5dBi

- Prepare by: YuanChaoXu

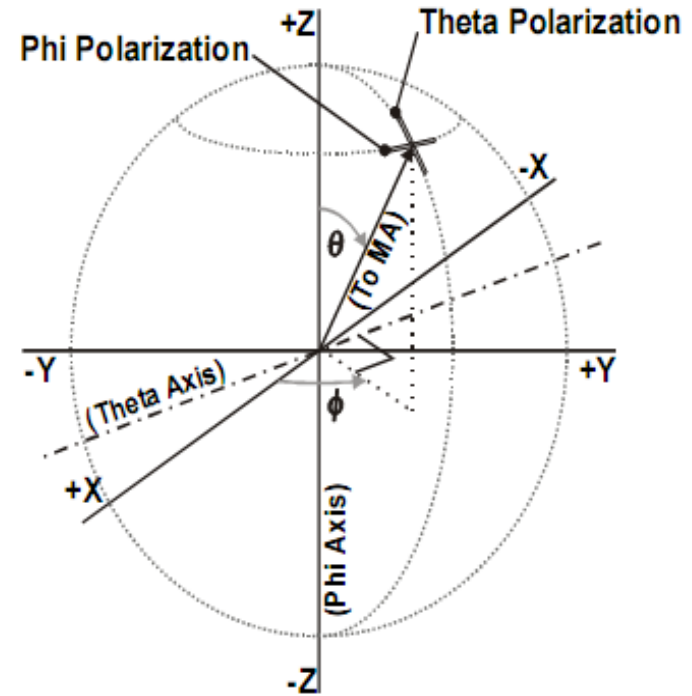
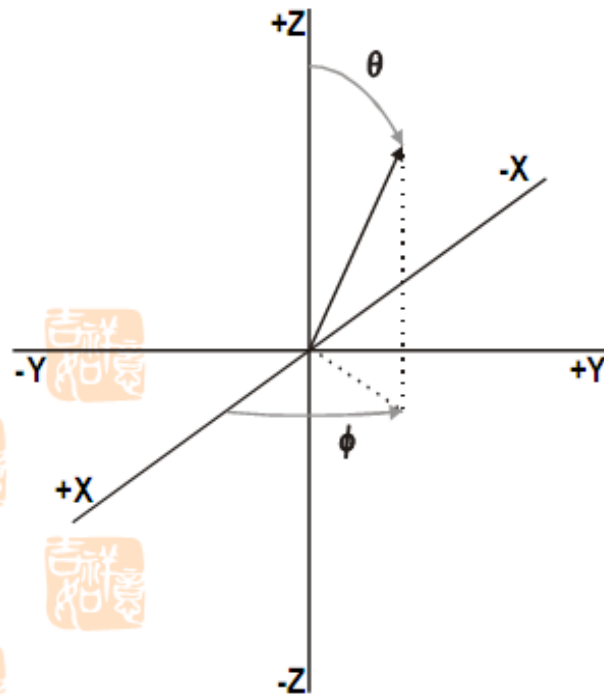
- Test Equipment: Fully Anechoic Chamber/Aglient E5071C

- Approve by: Wei Jia

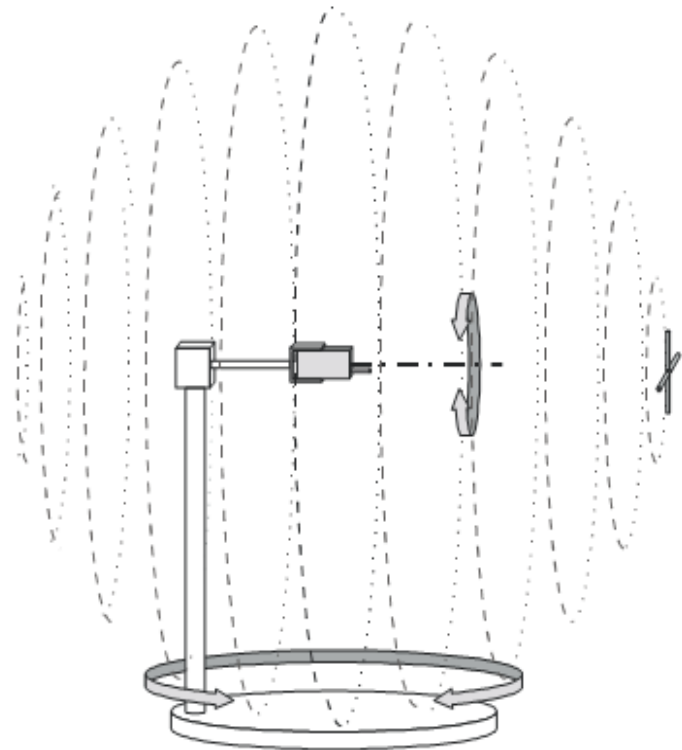
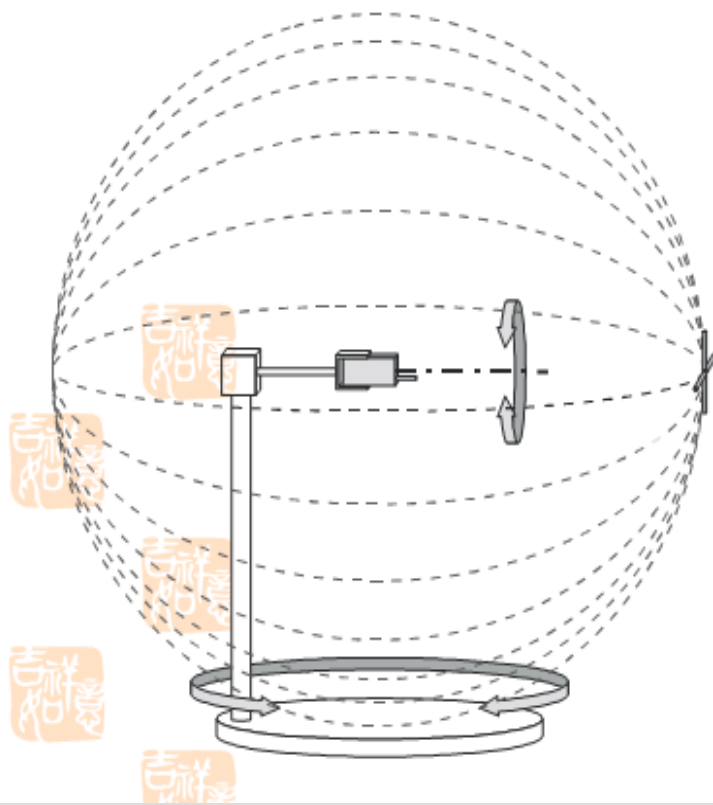
1. CTIA OTA Test System



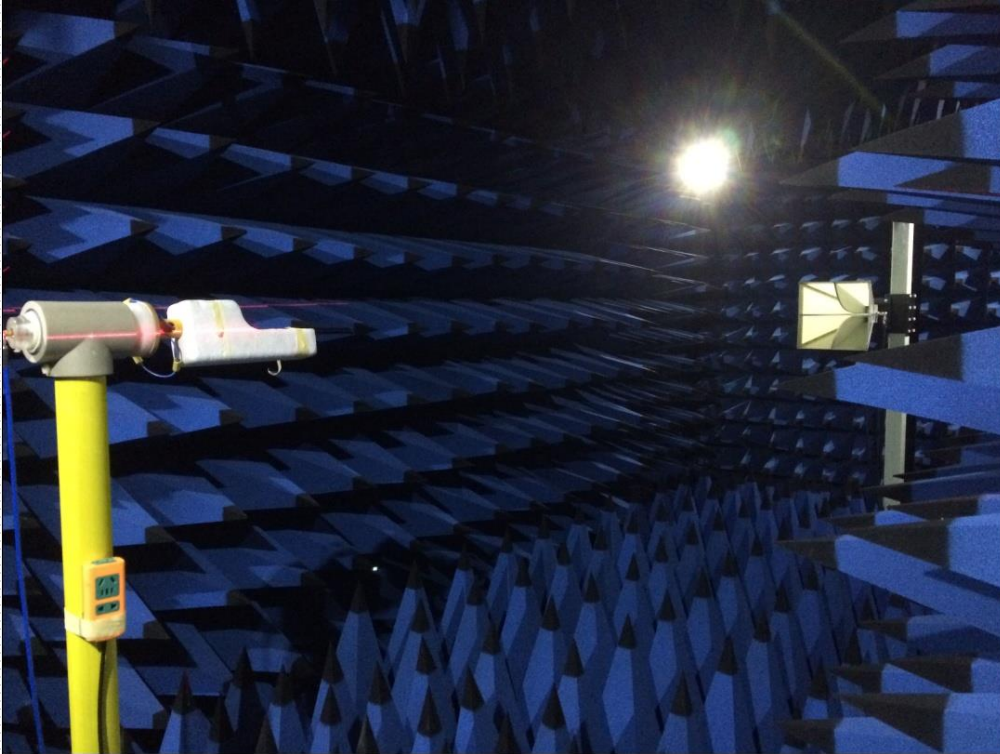
1.1 Test Coordinates



1.2 Turntable



1.3 ETS Test System In TengXiang



Size: 7m*3m*3m

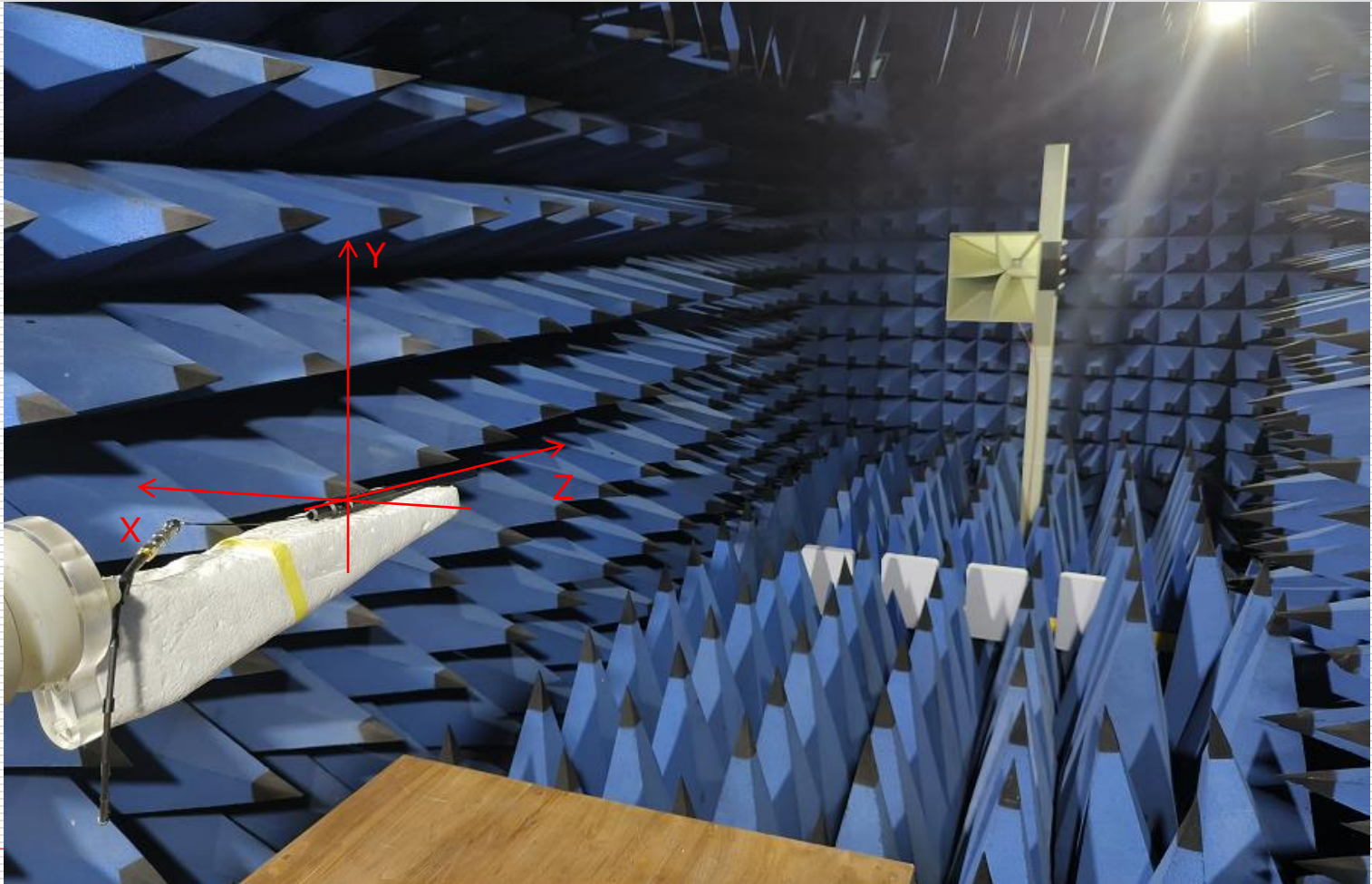
Electromagnetic Shield: $\geq 100\text{dB}$

Test Tolerance : $\pm 0.5\text{dBi}$

Test Project:

- 700MHz-6GHz Passive Test
- 2G/3G/4G OTA Test

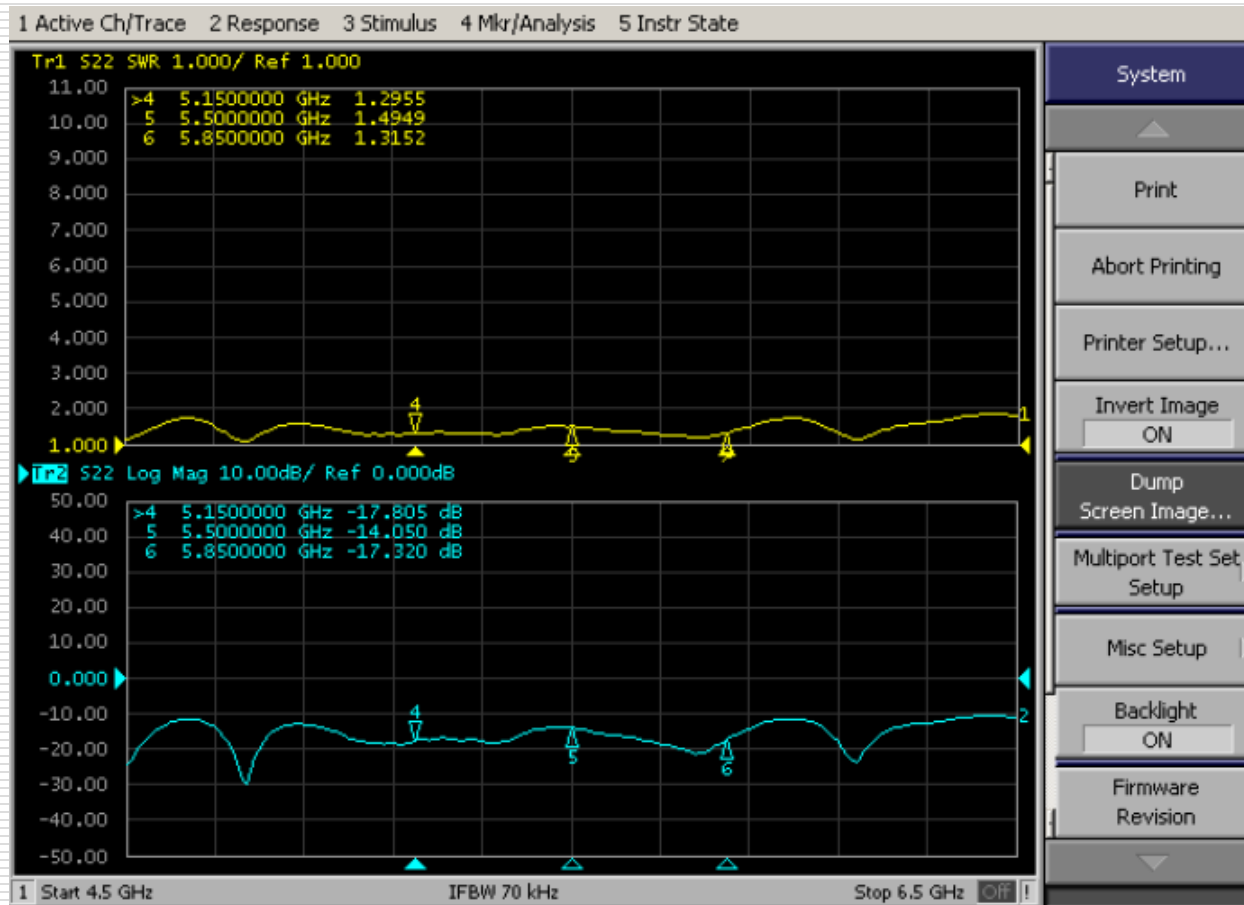
2. Testing Picture



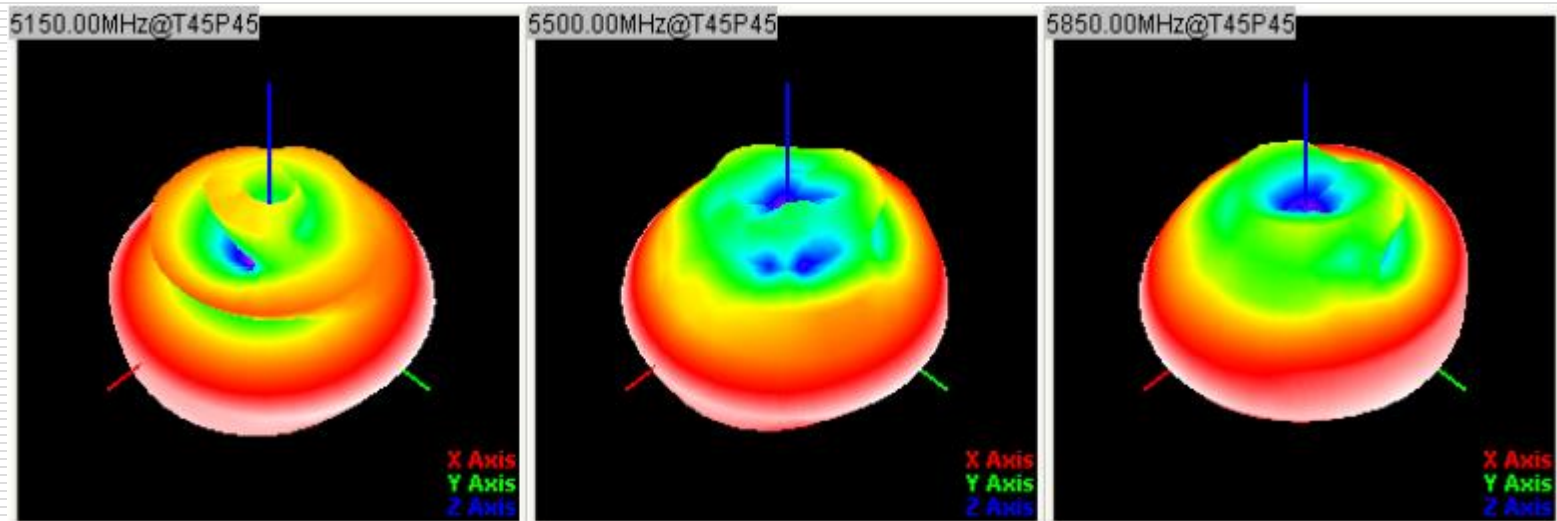
3. Testing Data

Frequency(MHz)	5150MHz	5500MHz	5850MHz
Peak Gain(dBi)	4.69	4.67	4.82
Efficiency(%)	66.60	75.10	69.40

3.1.1 VSWR Test



3.2.1 3D_Radiation Pattern

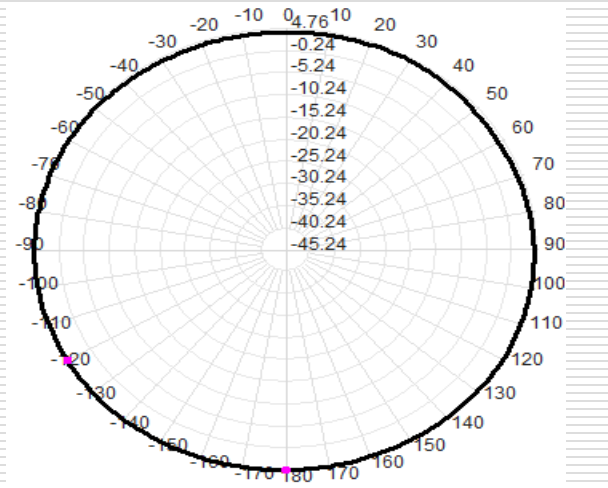


5150MHz

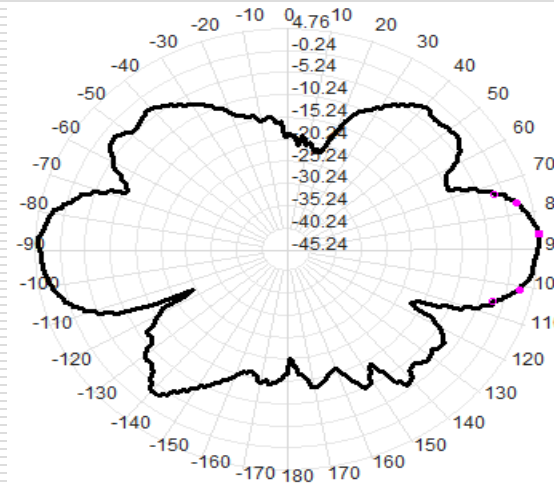
5500MHz

5850MHz

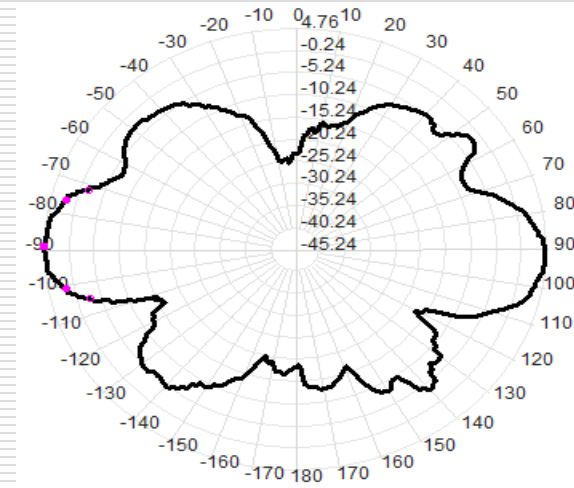
3.2.2 2D_Radiation Pattern



XY_Plane



XZ_Plane



YZ_Plane

5500MHz
