



DONGGUAN TENGXIANG ELECTRONICS CO., LTD.

2. 4G Antenna Testing Parameters

- Pro No: AN2400-50F060G-B/2.15.5.00071

- Versions: V1.0

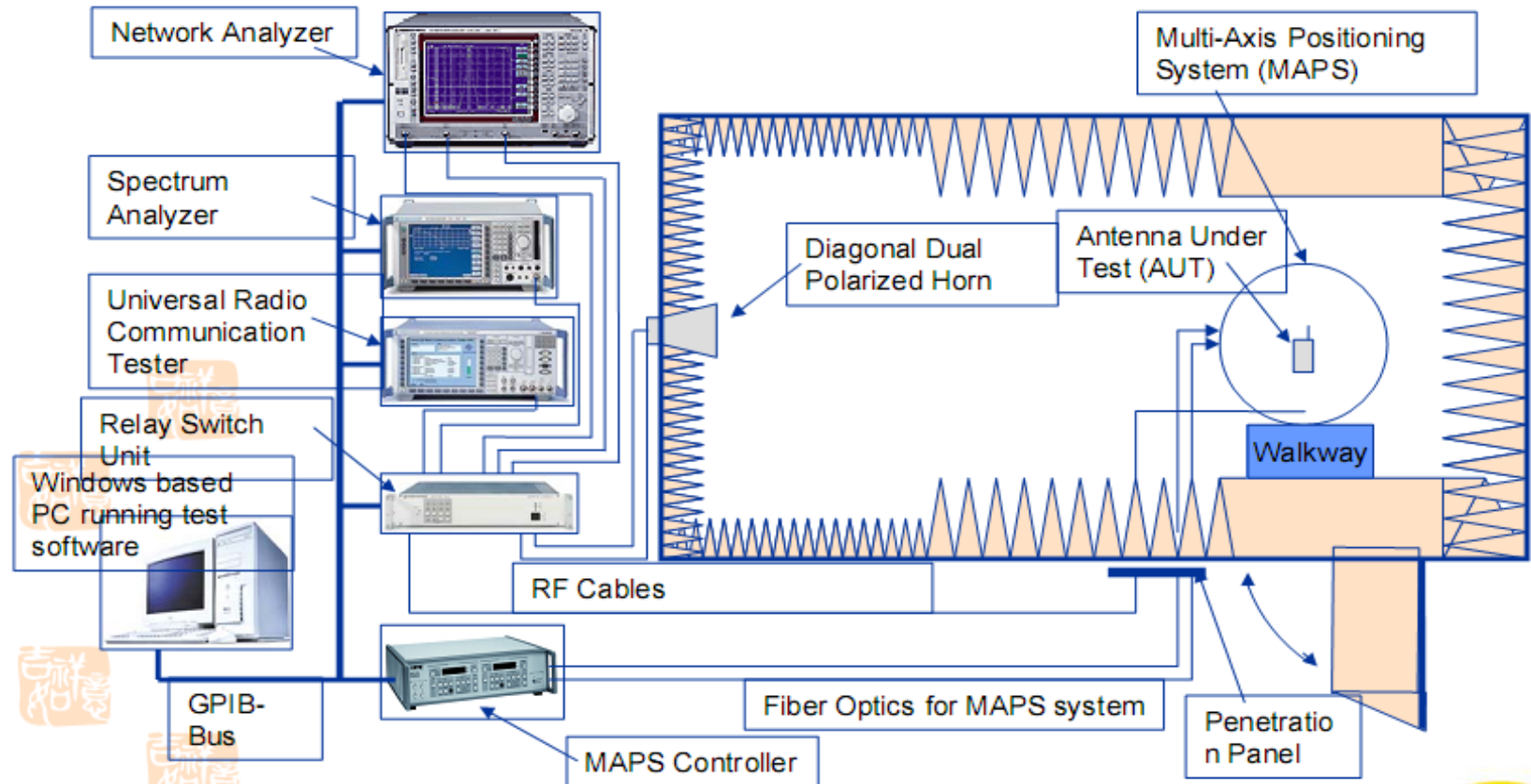
- Antenna Specification:
2400-2500MHz 5dBi

- Prepare by: YuanChaoXu

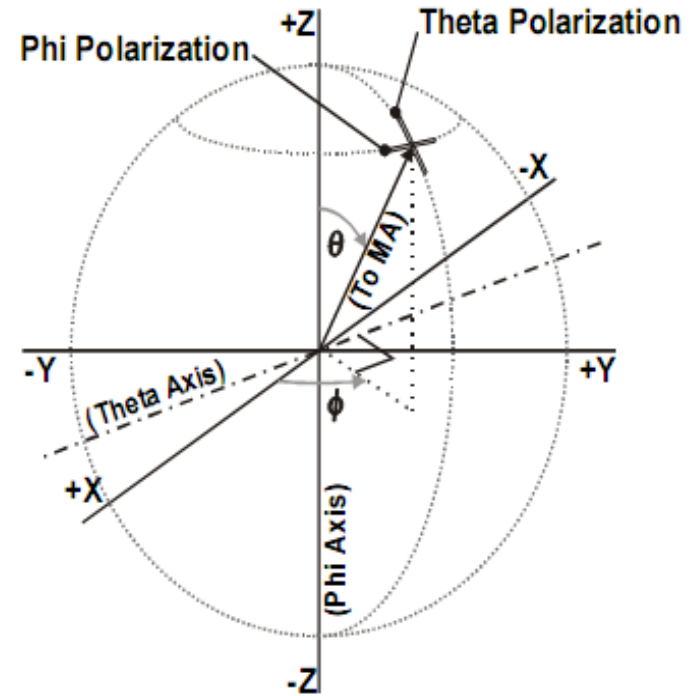
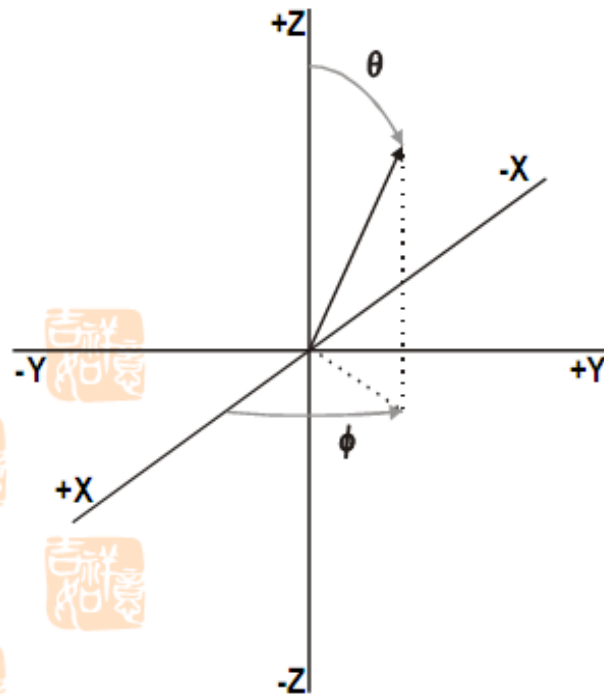
- Test Equipment:
Fully Anechoic Chamber/Aglient
E5071C

- Approve by: Wei Jia

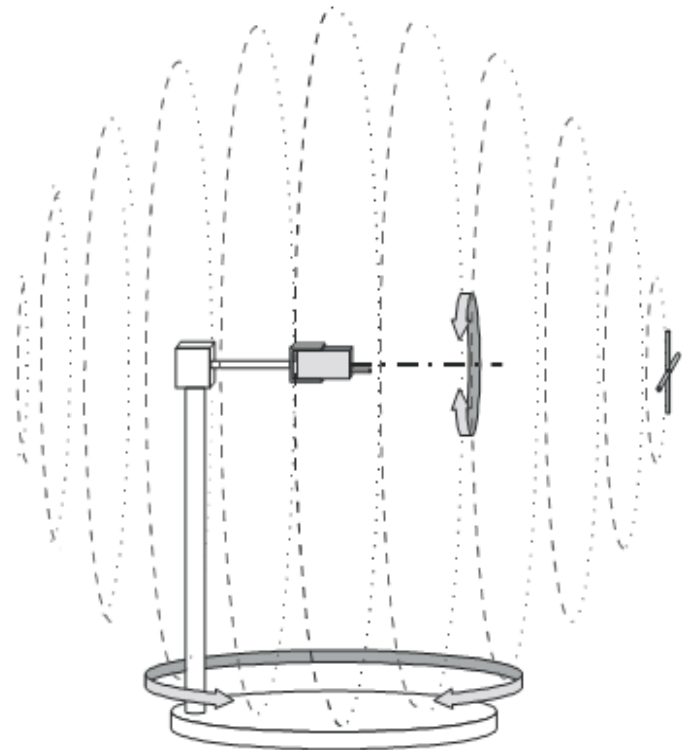
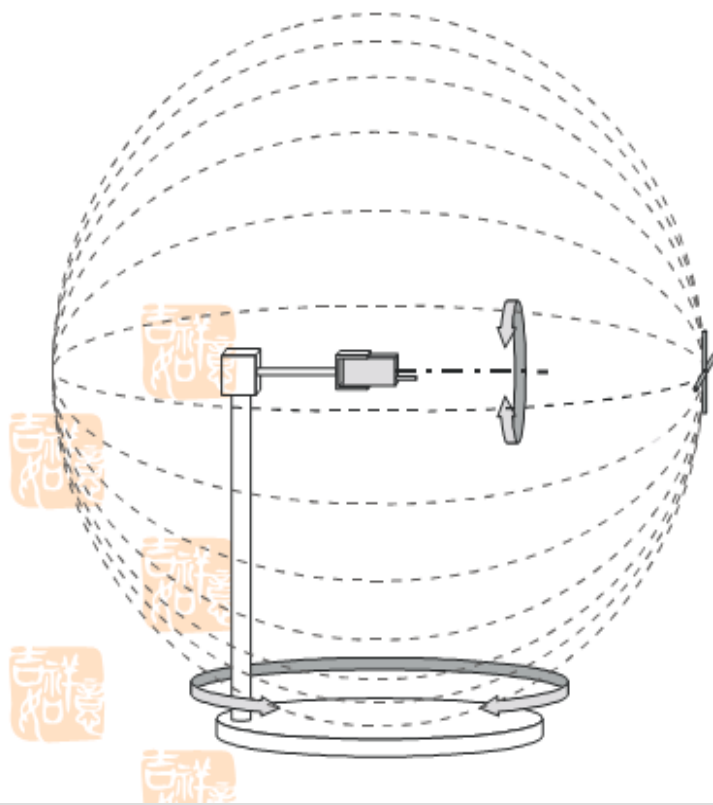
1. CTIA OTA Test System



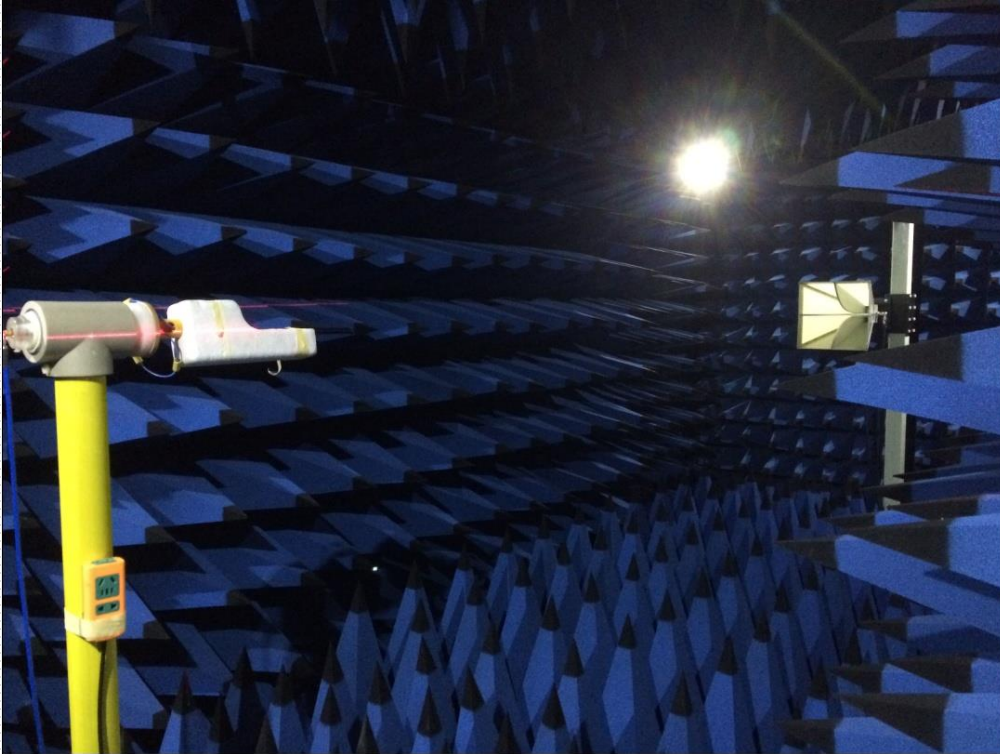
1.1 Test Coordinates



1.2 Turntable



1.3 ETS Test System In TengXiang



Size: 7m*3m*3m

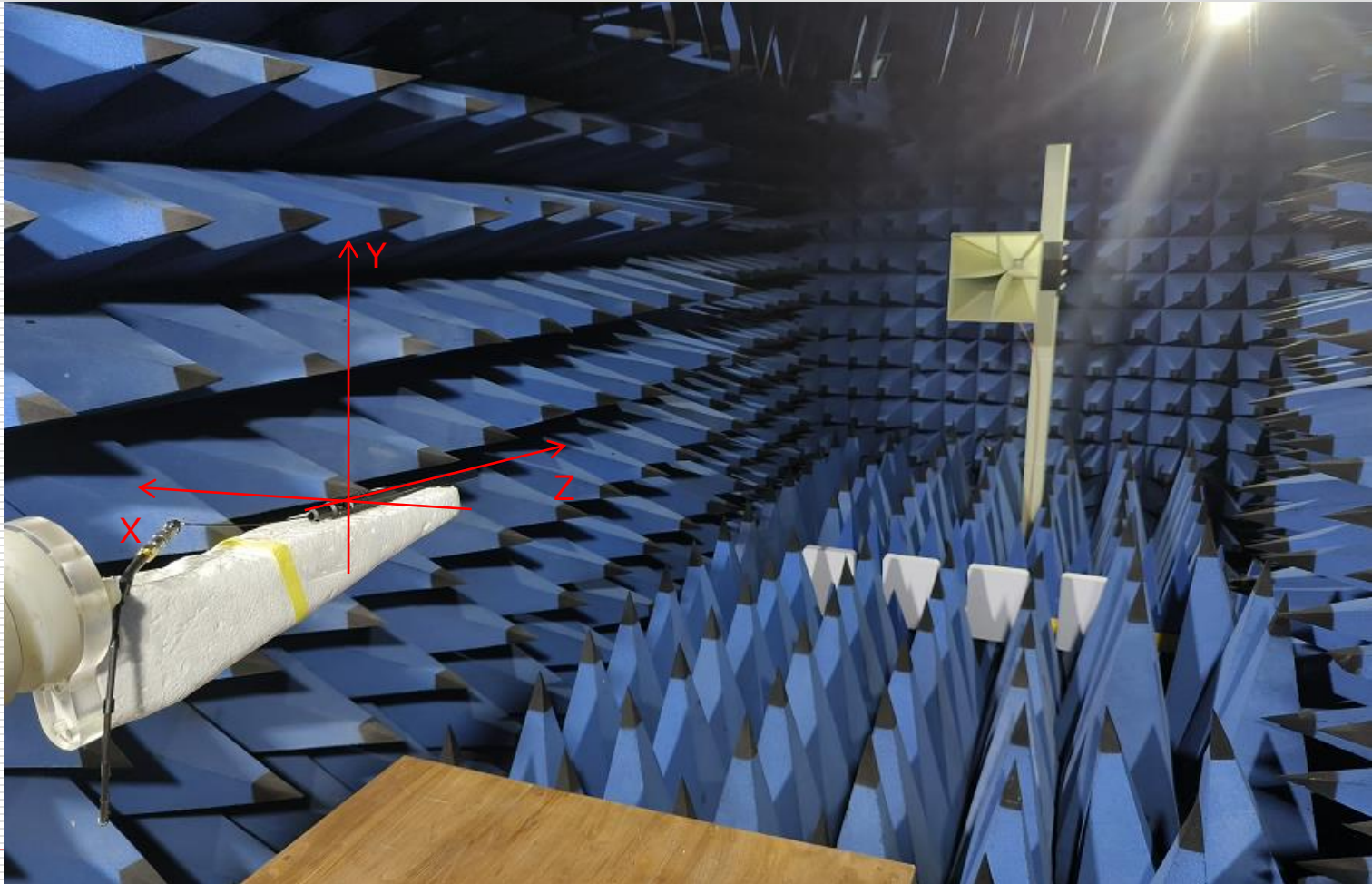
Electromagnetic Shield: ≥ 100 dB

Test Tolerance : ± 0.5 dB

Test Project:

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

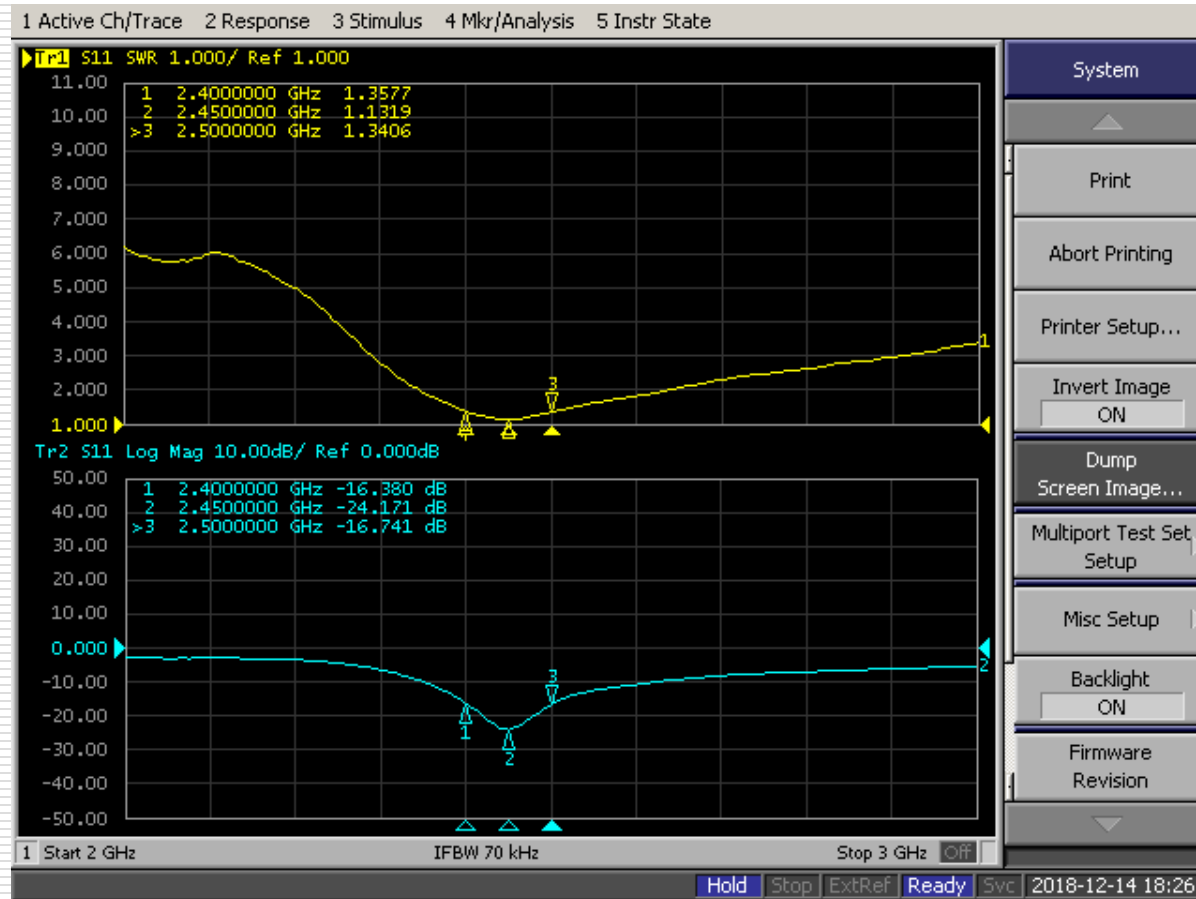
2. Testing Picture



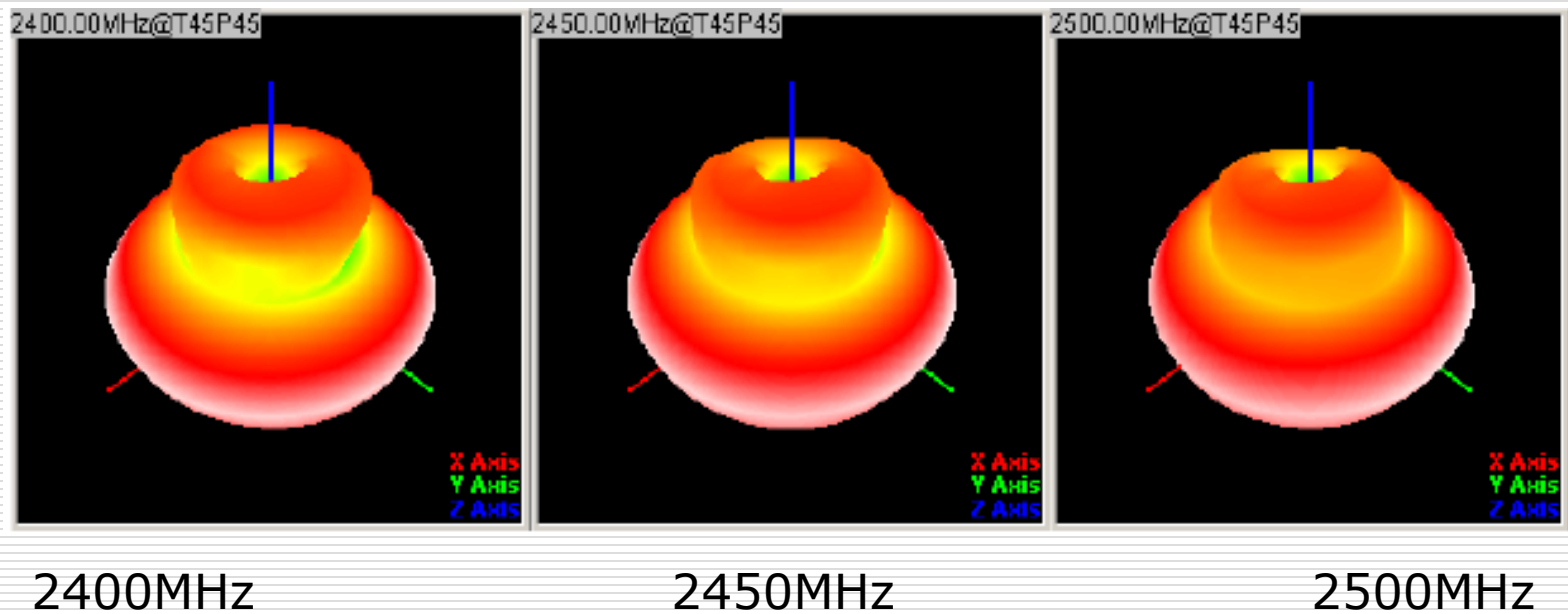
3. Testing Data

Frequency(MHz)	2400MHz	2450MHz	2500MHz
Peak Gain(dBi)	4.25	4.62	4.32
Efficiency(%)	77.90	75.10	75.00

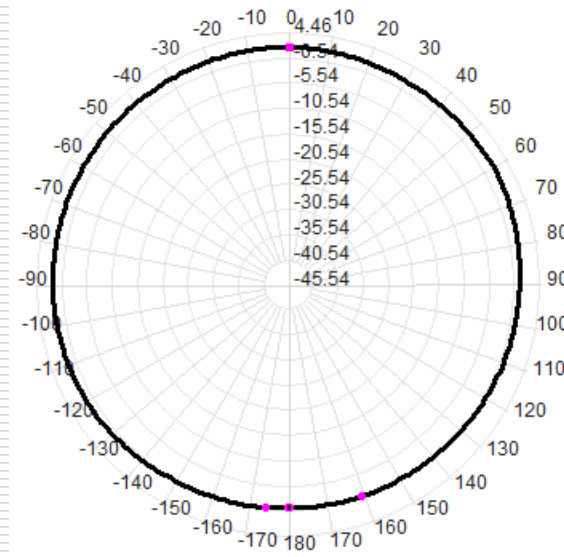
3.1.1 VSWR Test



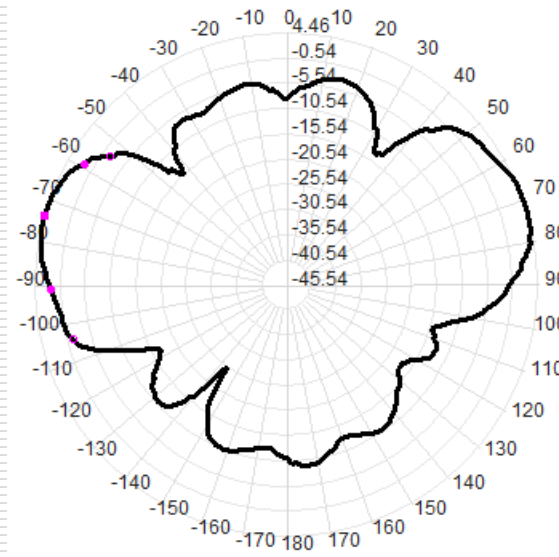
3.2.1 3D_Radiation Pattern



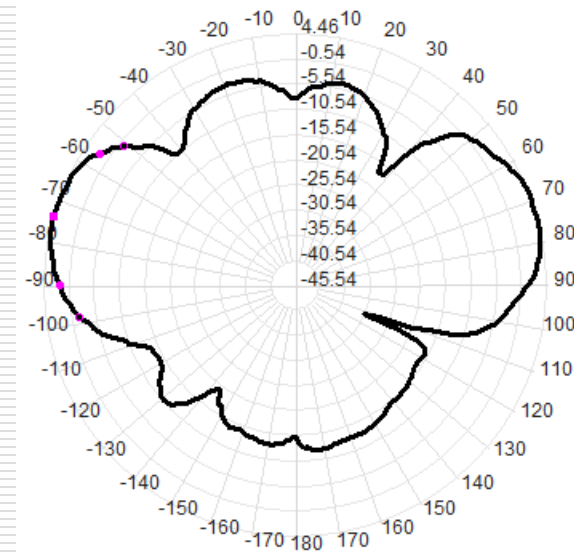
3.2.2 2D_Radiation Pattern



XY_Plane



XZ_Plane



YZ_Plane

2450MHz
