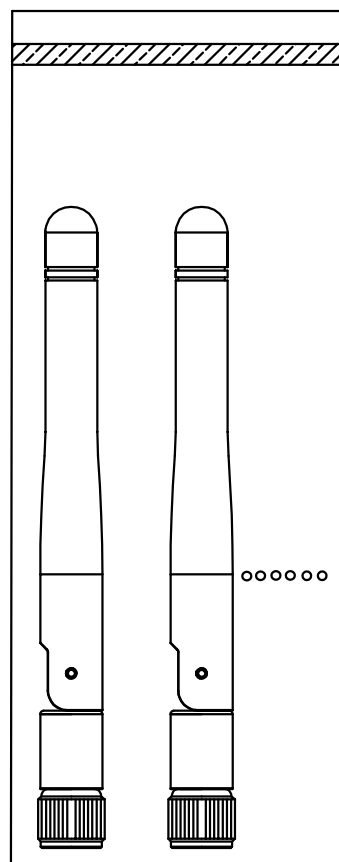
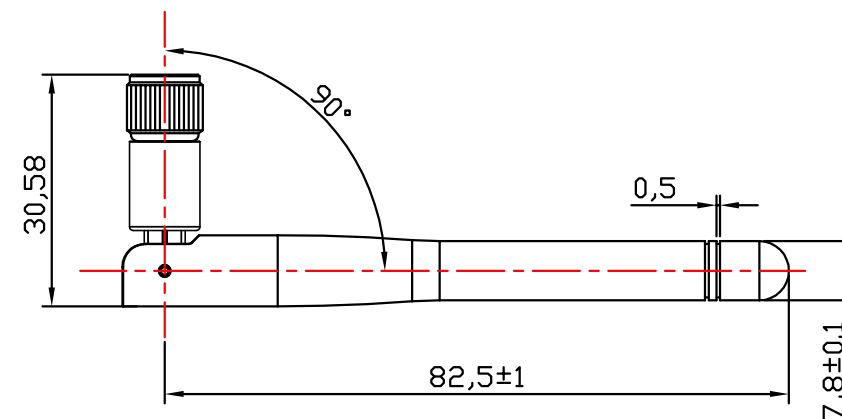
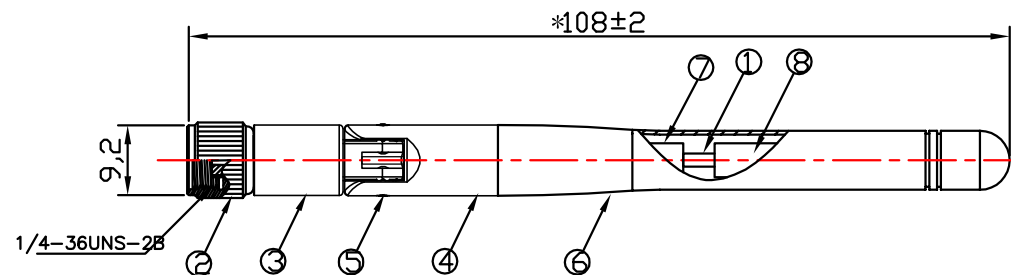


REV	DATE	DESCRIPTION
A2	01/15/24	



PE Bag
Shrink Line

SPECIFICATION:
1: Frequency Range:2.4/5Ghz
2: Impedance:50Ω
3: Vswr:≤ 2.0dB
4: Gain:2DBi

⑦	BRASS	Copper pipe 4.8/5.2L	2	
⑥	RIVET	POM 3.8L BLACK	2	
⑤	HOUSING	TPE 67.5L BLACK	1	
④	BASE	PC/PBT 20L BLACK	1	
③	BASE	PC/PBT 28.8L BLACK	1	
②	CONNECTOR	SM3033 RP/SMA BLACK	1	
①	CABLE	RG178 OR	1	
NO	SPEC NAME	DESCRIPTION	Q'TY	PART No

XX.	±5.0	APPROVED
X.	±3.0	JASON_LI
.X	±1.0	CHECKED
.XX	±0.5	Hellen
.XXX	±0.2	DRAWING
⊕		Tom Way

CUSTOMER'S SINGATURE			CUSTOMER'S SINGATURE		
P/NO:			PART NAME:2.4/5G ANTENNA		
D/NO:			REV		
M/M			SHEET: 1/1		




苏州点正电子科技有限公司
Suzhou Point Positive Electronic Technology Co., Ltd

Antenna Measurement Report

- Model: **Antenna(Dipo ant(Bk))**
- Manufacture : Suzhou Point Positive
- Electronic Technology Co.,Ltd
- Series Number : QTKOTAPR00321
- Antenna Type: Frequency 2.4-5.8Ghz
- WLAN 802.11 a/b/g:Frequency
- Test Date:2023-05-15

Outline Summary

- Test Environment and Equipment
 - Housing with antenna Photo
 - Test Result : 2D/3D Radiation Pattern Test
 - Test Result : Efficiency & Peak Gain
-
- Taet Laboratory:
 - Name:**Suzhou Laboratory**
 - Address:No.99 Hongye RD.Suzhou Industrial Park Loufeng Hi-New-Tech
 - Development Area,Suzhou,China
 - The test results relate only to the samples tested.

TEST ENVIRONMENT AND EQUIPMENTS

The Gain, Efficiency, Directivity and 2D/3D Pattern

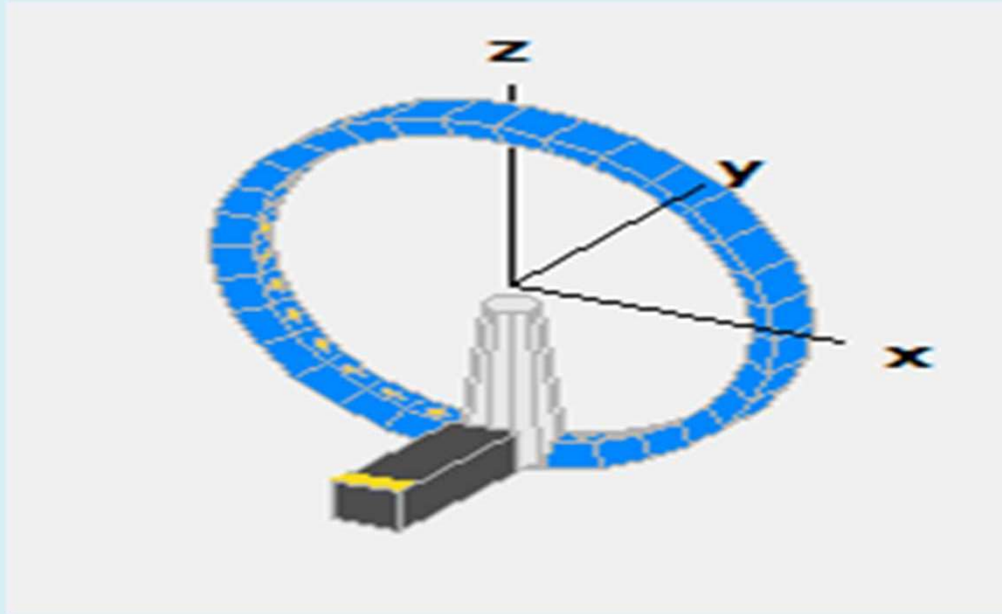
Frequency Range :

WLAN 802.11 a/b/g: -----

Radiation Pattern Test System :

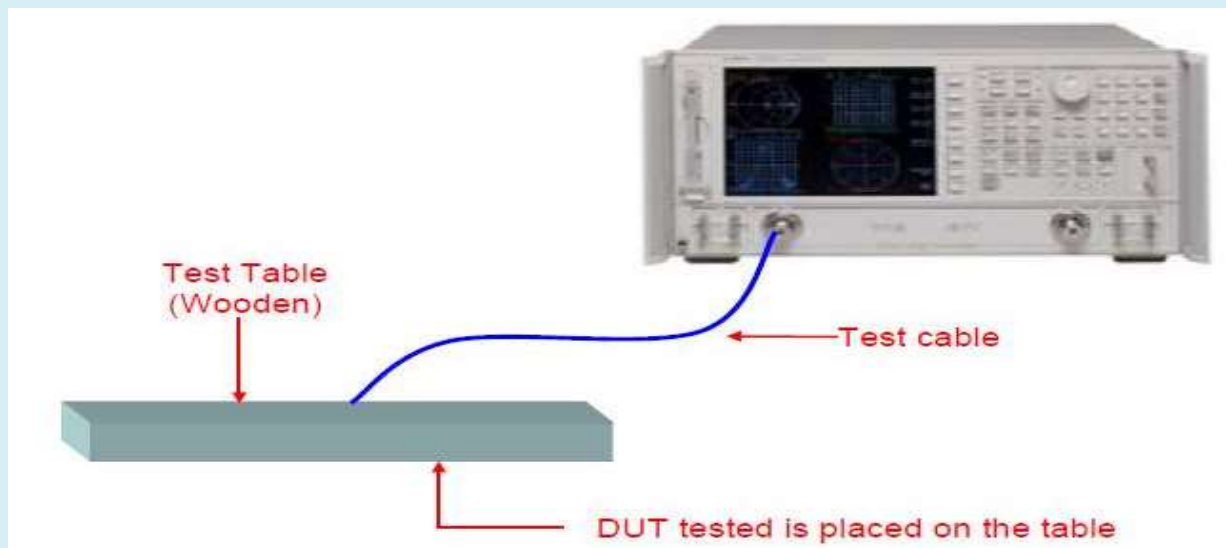
- The Radiation Pattern Test System(EMT24)
- The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 1). when viewed from the door of the chamber.

The axis arrangement is shown in Fig. 3

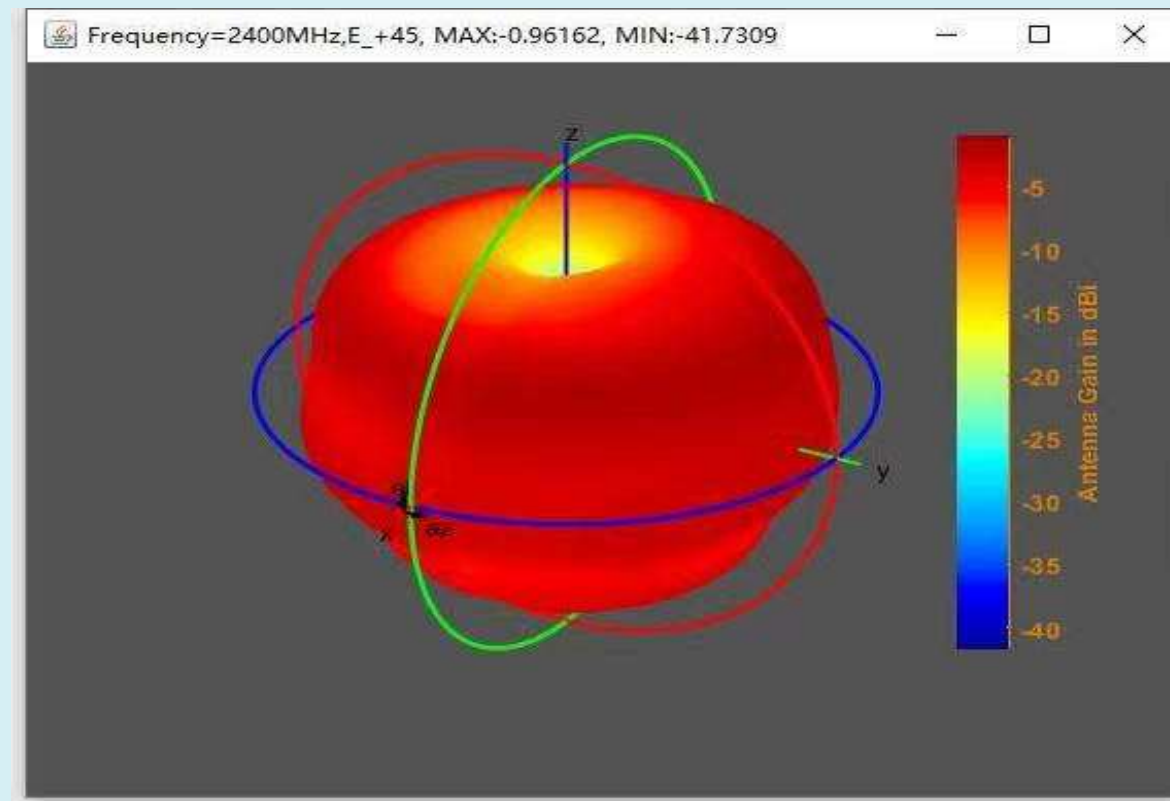


Test Environment and Equipments

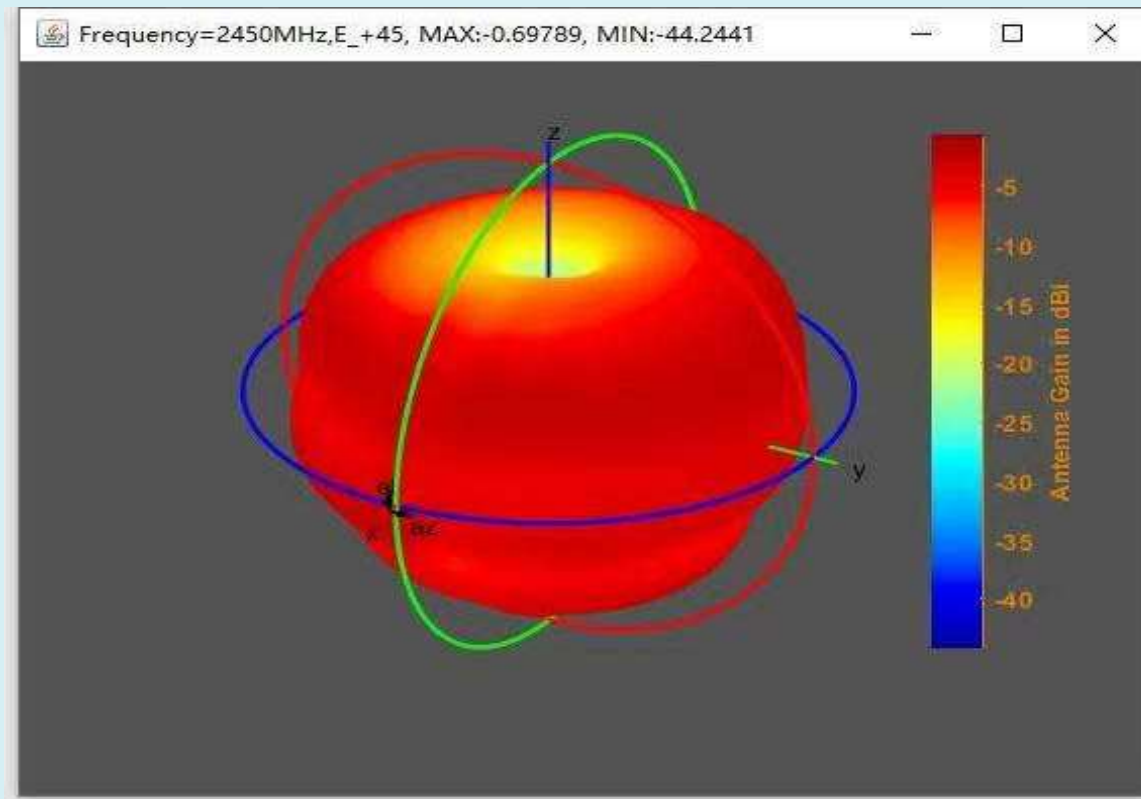
- S-Parameter test
- • Network Analyzer
- • Testing range from 30KHz to 8.5GHz



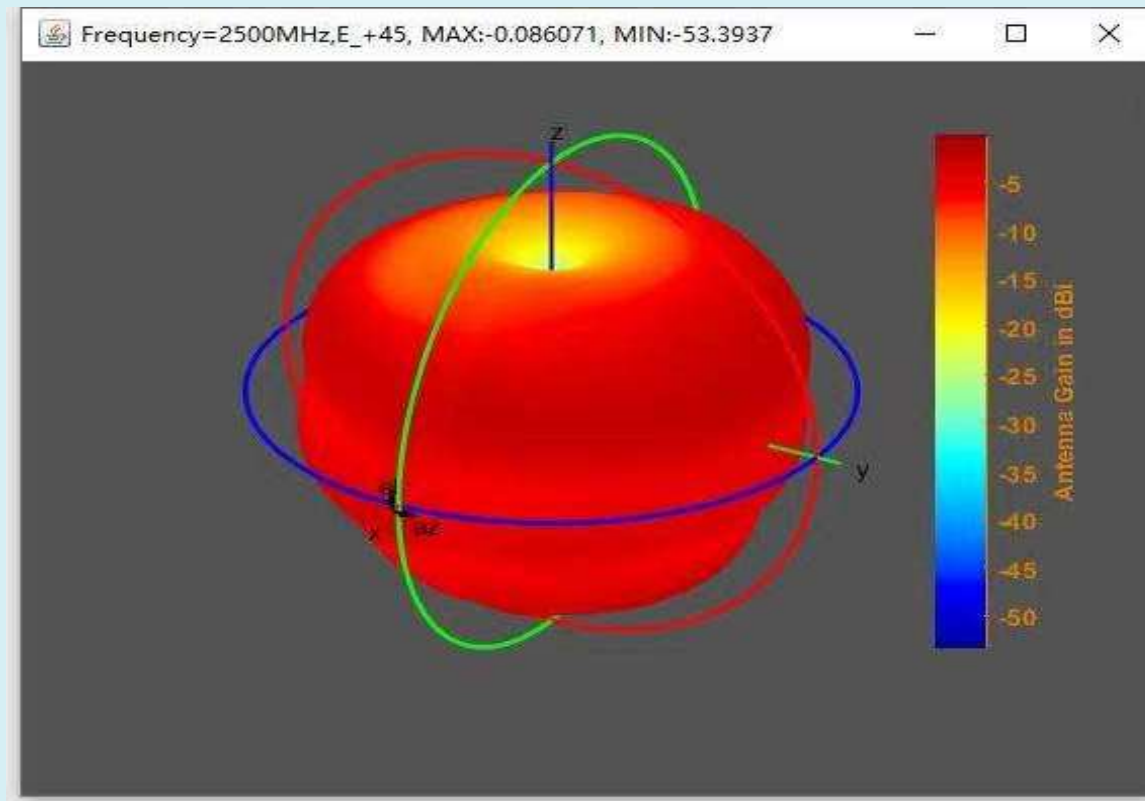
Test Result : 3D Radiation Pattern
Frequency: 2400Mhz



Test Result : 3D Radiation Pattern
Frequency: 2450Mhz

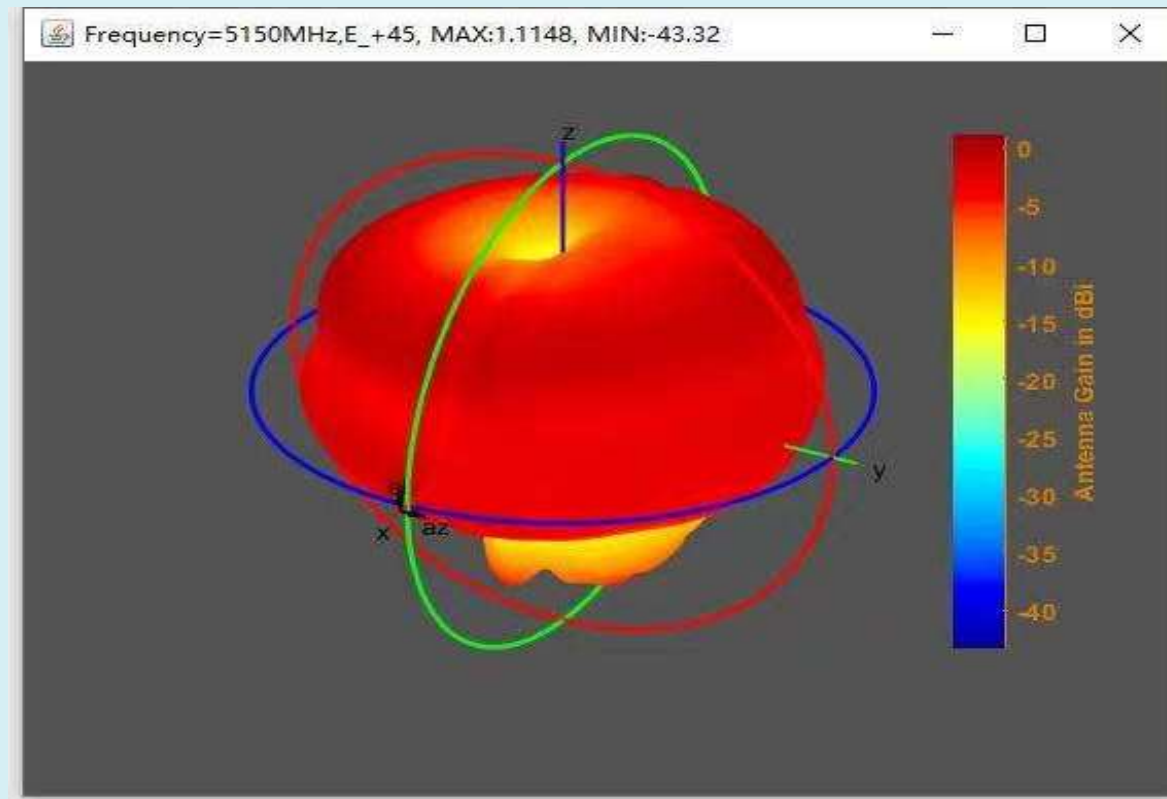


Test Result : 3D Radiation Pattern
Frequency:2500Mhz



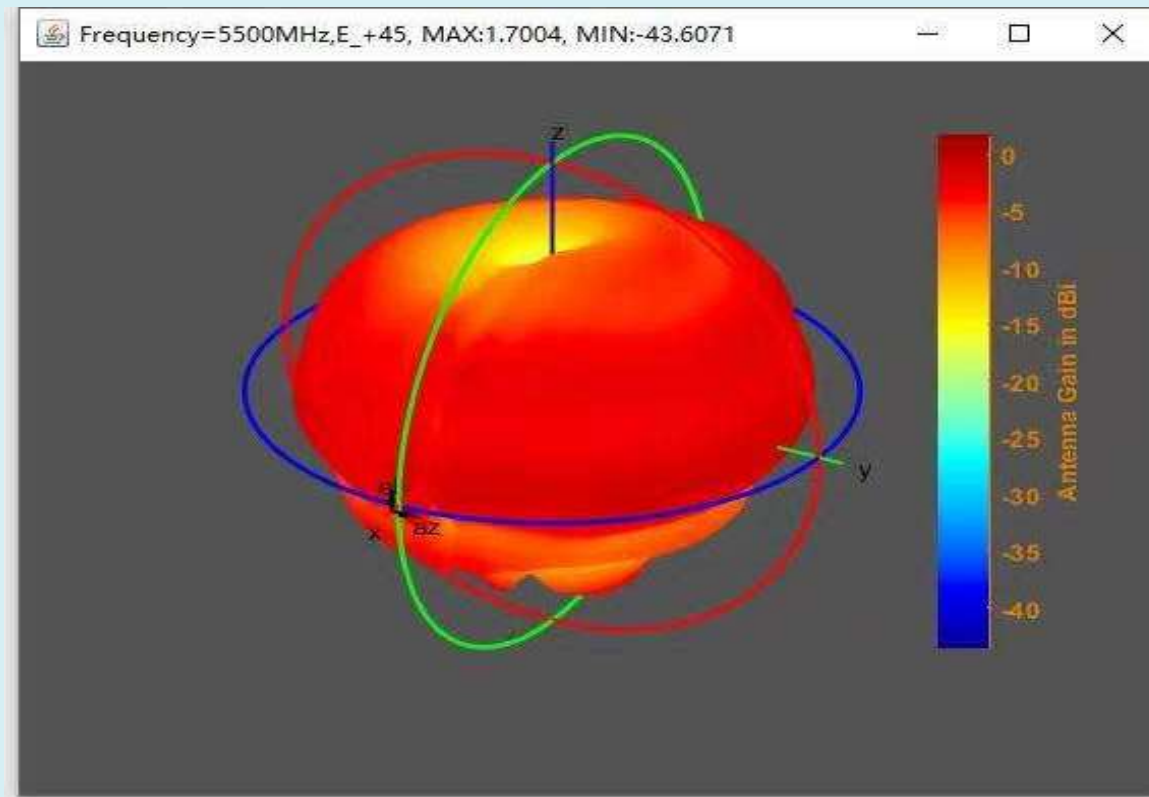
Test Result : 3D Radiation Pattern

Frequency: 5150Mhz

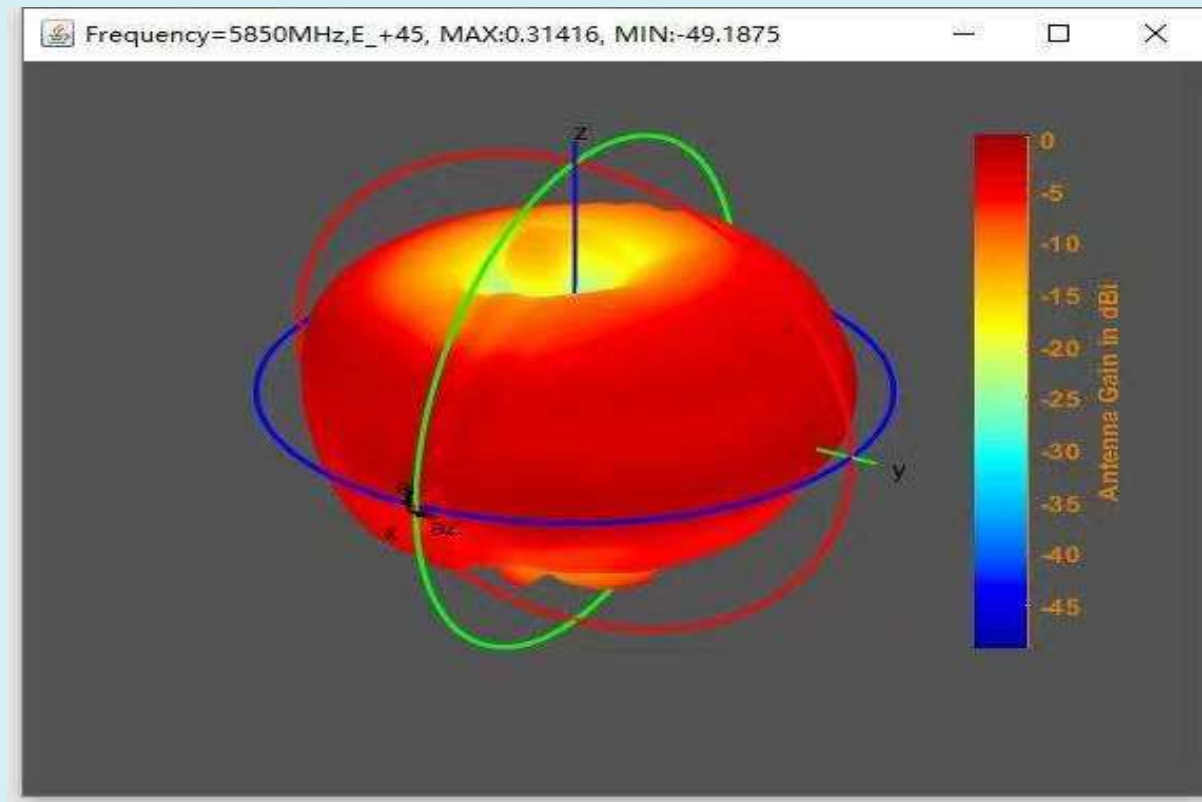


Test Result : 3D Radiation Pattern

Frequency: 5500Mhz



Test Result : 3D Radiation Pattern
Frequency: 5850Mhz



Test Result : Efficiency & Peak Gain For Reference

Frequency (MHz)	Directivity(dB)	Gain(dBi)	Average Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	2.3256	1.4618	-1.8277	-0.8638	81.964
2450	2.5955	1.3218	-2.1854	-1.2737	74.5821
2500	3.5009	2.0713	-2.2356	-1.4295	71.9524
5150	4.9437	3.8533	-1.964	-1.0903	77.7974
5500	4.7334	3.5943	-2.1412	-1.1391	76.9295
5750	4.042	2.4028	-2.9747	-1.6392	68.5618
5800	4.1912	2.1352	-3.3929	-2.056	62.2874
5850	4.2817	2.6231	-2.9966	-1.6587	68.2548