

深圳市大山通讯有限公司
Shenzhen Dasan Communication Co., Ltd.

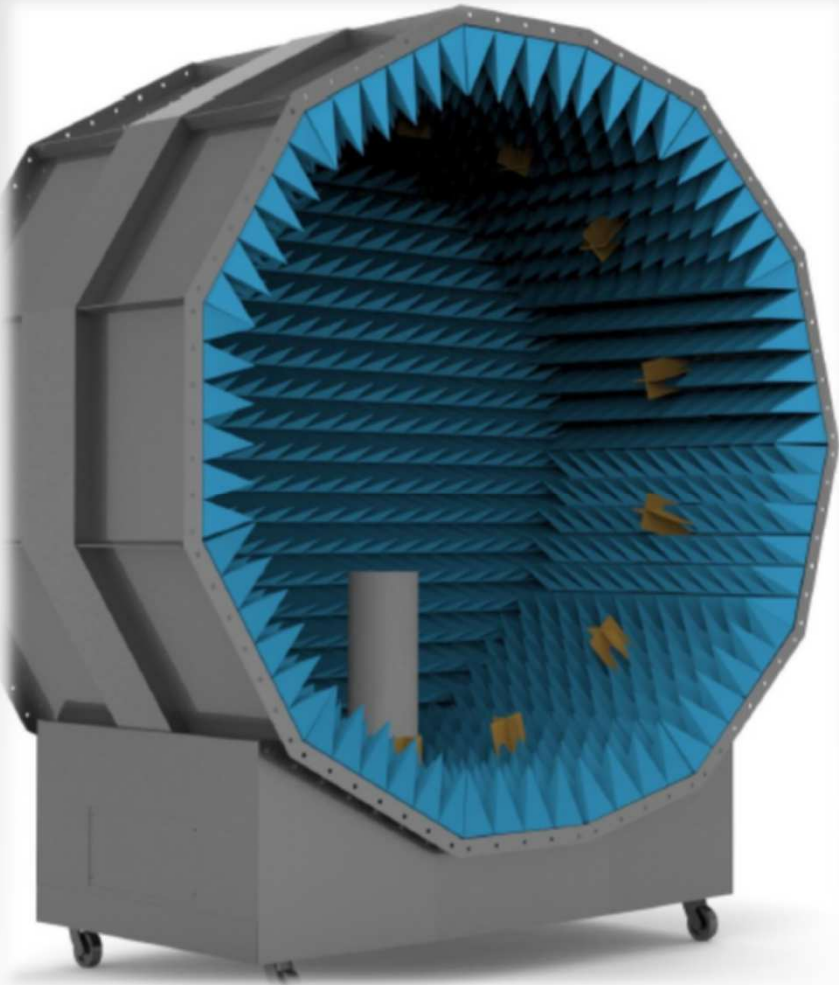
HRM812S Antenna Evaluating Report

Prepared By: Mo

Date of Report: 2024-3-27

Date	Rev	Description
2024-3-27	01	TEST Ant Efficiency and Gain

测试设备 / Equipment



- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : Anritsu MT8860
- GPS信号源 : Agilent E4438C

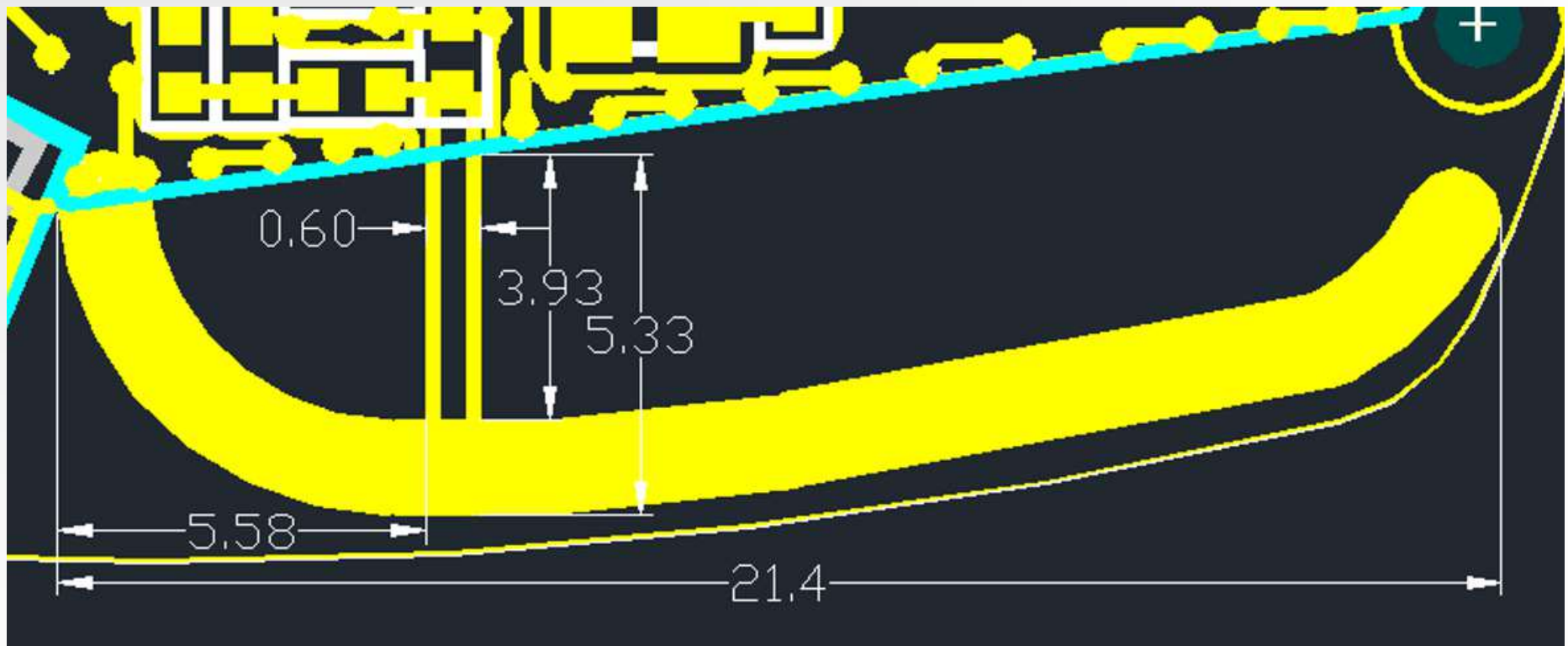
整机环境说明 / Fixture Environment

ANT BAND

使用系统	Band	使用系统	Band
GSM	-	WIFI / BT	2.4G
WCDMA	-	全球定位	-
TD-SCDMA	-	FM	-
CDMA	-	Others	-
FDD LTE			
TDD LTE			

Antenna information

- P/N: HRM812S ANT
- Manufacturer: Shenzhen Xinzhide Technology Co., Ltd.
- Dimension (Unit : mm) :



Ant TEST

Effic & Gain

Gain/Efficiency				
Item	Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
1	2400	-0.45	-5.64	27.27
2	2405	-0.44	-5.61	27.49
3	2410	-0.31	-5.57	27.72
4	2415	-0.30	-5.55	27.89
5	2420	-0.24	-5.53	27.97
6	2425	-0.15	-5.53	28.01
7	2430	-0.06	-5.49	28.22
8	2435	0.12	-5.48	28.30
9	2440	0.19	-5.47	28.36
10	2445	0.30	-5.51	28.15
11	2450	0.29	-5.54	27.92
12	2455	0.27	-5.55	27.84
13	2460	0.26	-5.56	27.78
14	2465	0.20	-5.56	27.81
15	2470	0.24	-5.58	27.65
16	2475	0.23	-5.60	27.52
17	2480	0.15	-5.65	27.25
18	2485	0.23	-5.65	27.20
19	2490	0.16	-5.68	27.05
20	2495	0.15	-5.71	26.86
21	2500	0.04	-5.73	26.70

Ant TEST

E1 Plant

2D Pattern - Phi

Azimuths

0°

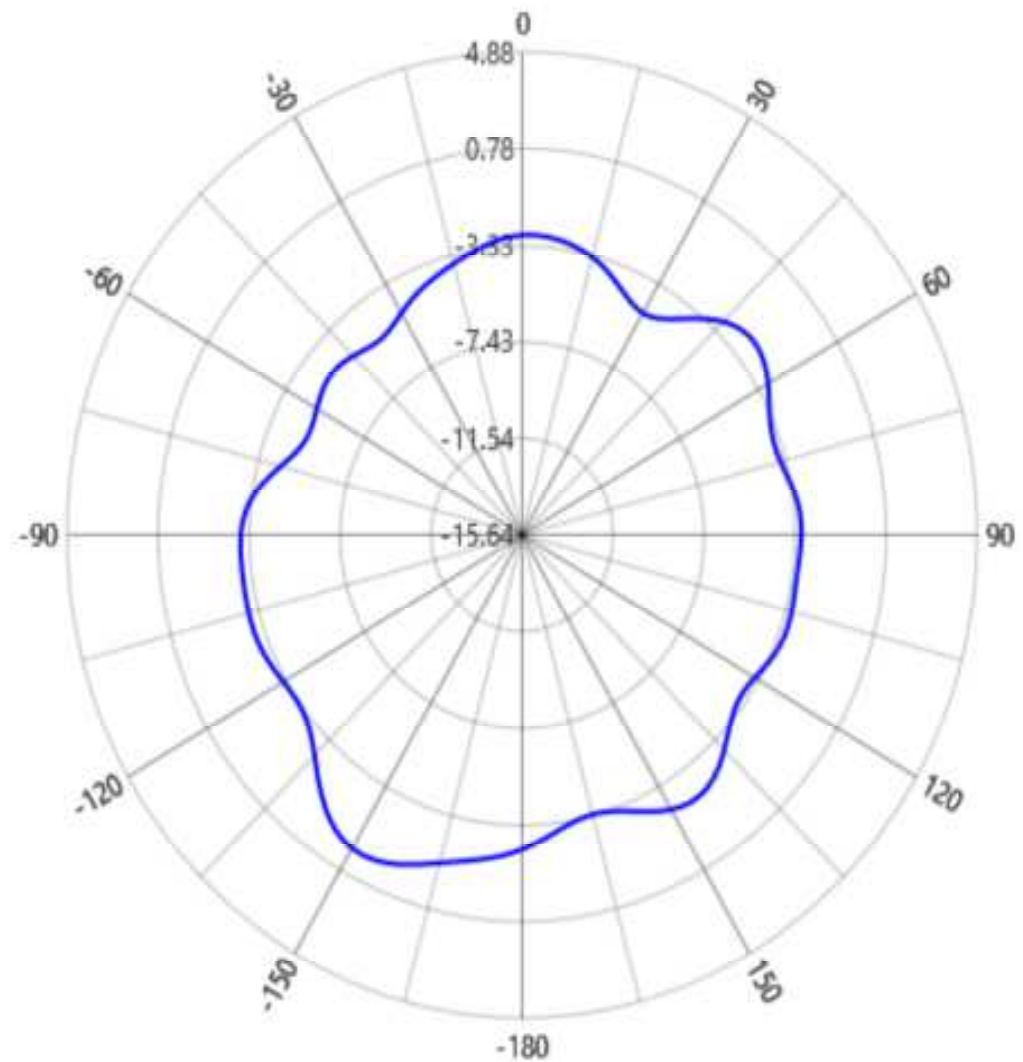
FreqList(MHz)

☒ 2440

☐ All Freq

Coordinate

Polar



Ant TEST

E2 Plant

2D Pattern - Phi

Azimuths

90°

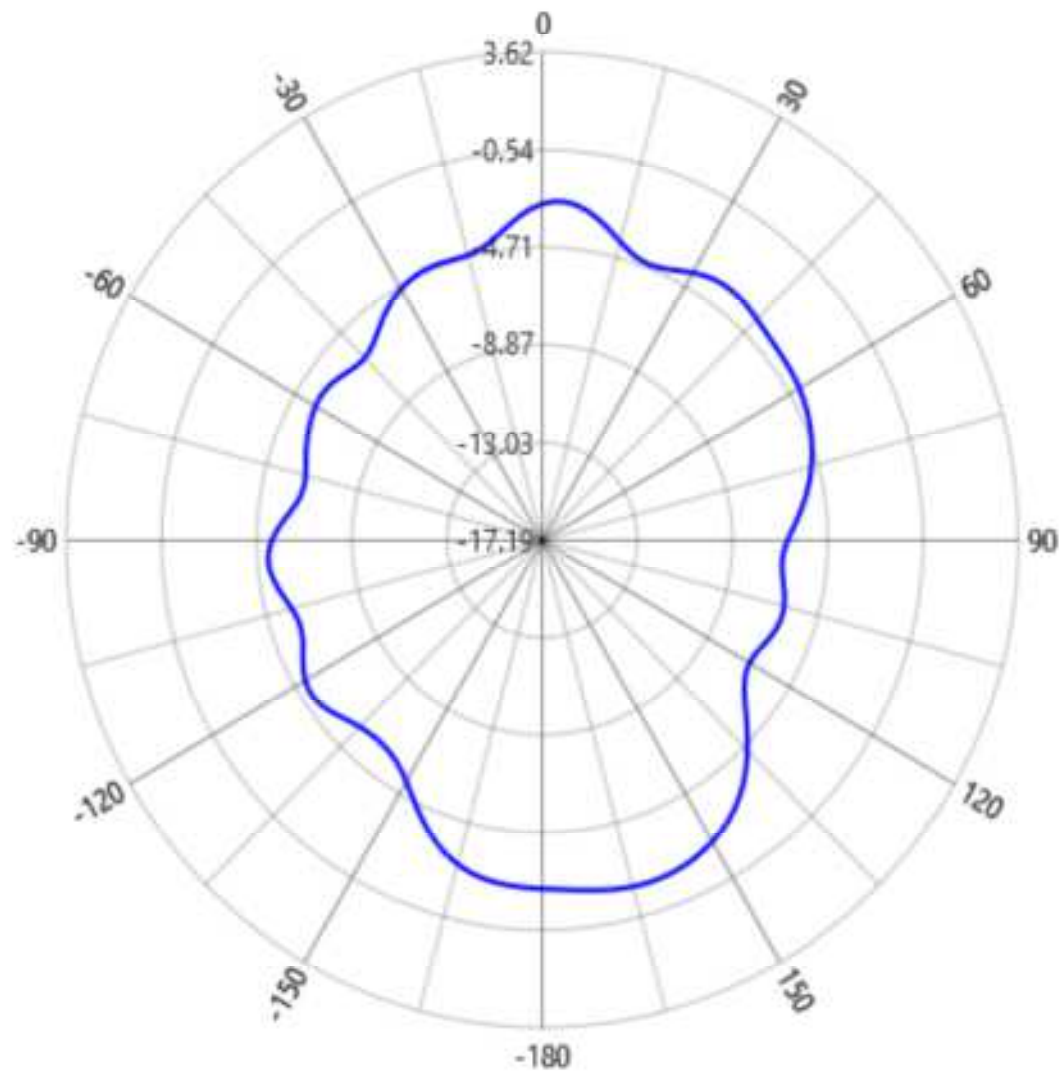
FreqList(MHz)

☒ 2440

☐ All Freq

Coordinate

Polar



Ant TEST

H plant

2D Pattern - Theta

Elevations

90°

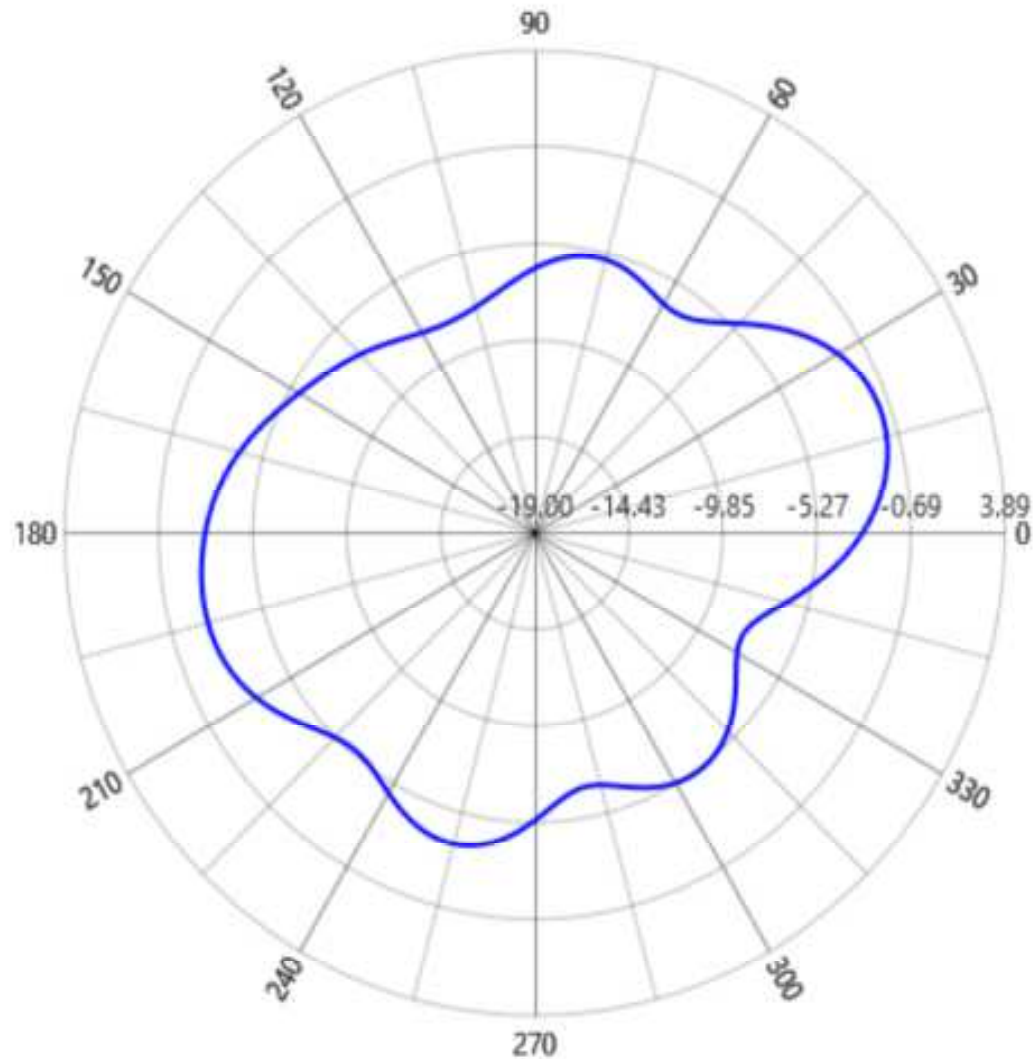
FreqList(MHz)

☒ 2440

☐ All Freq

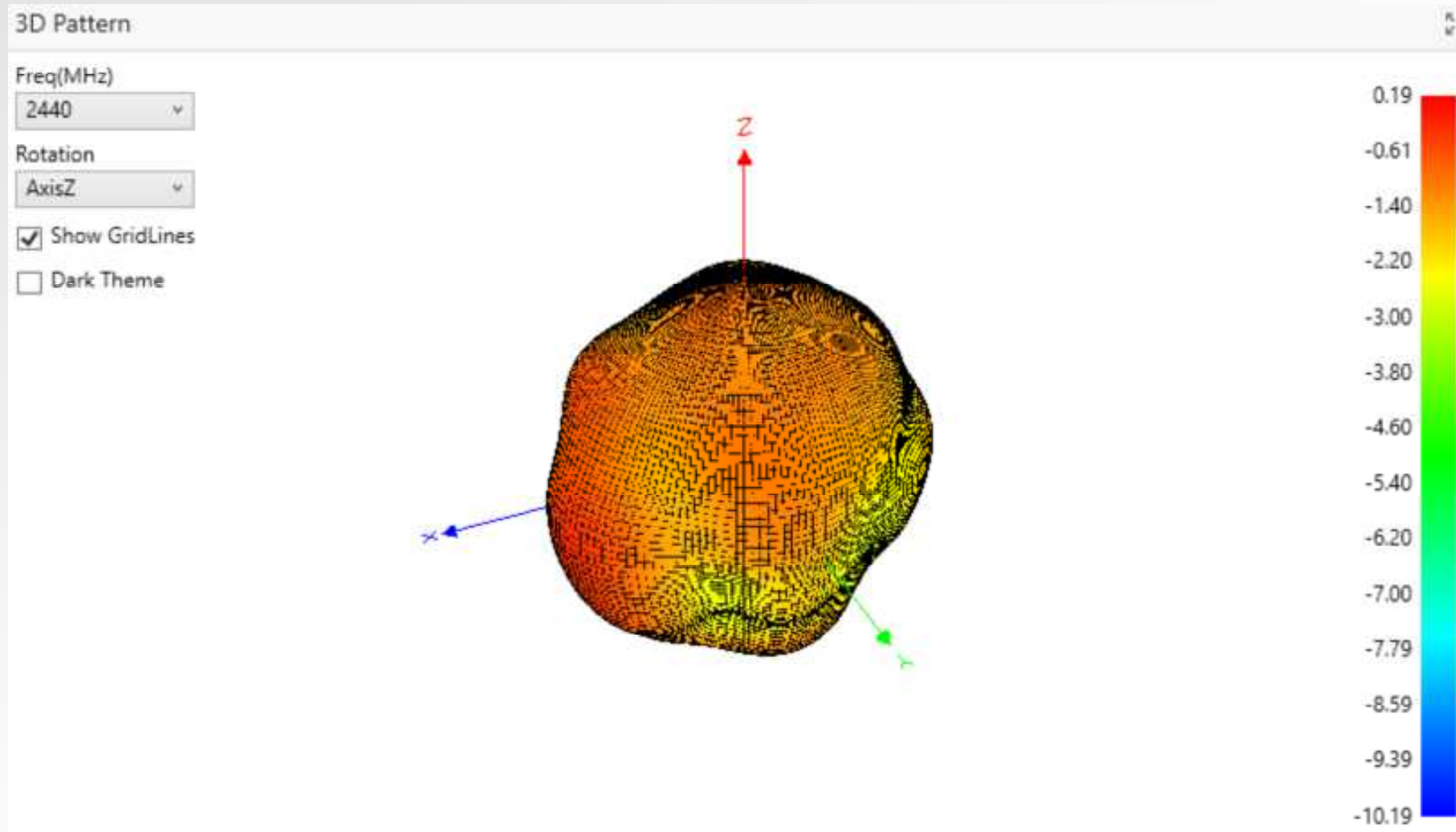
Coordinate

Polar



Ant TEST

3D Radiation



Thank You



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