

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

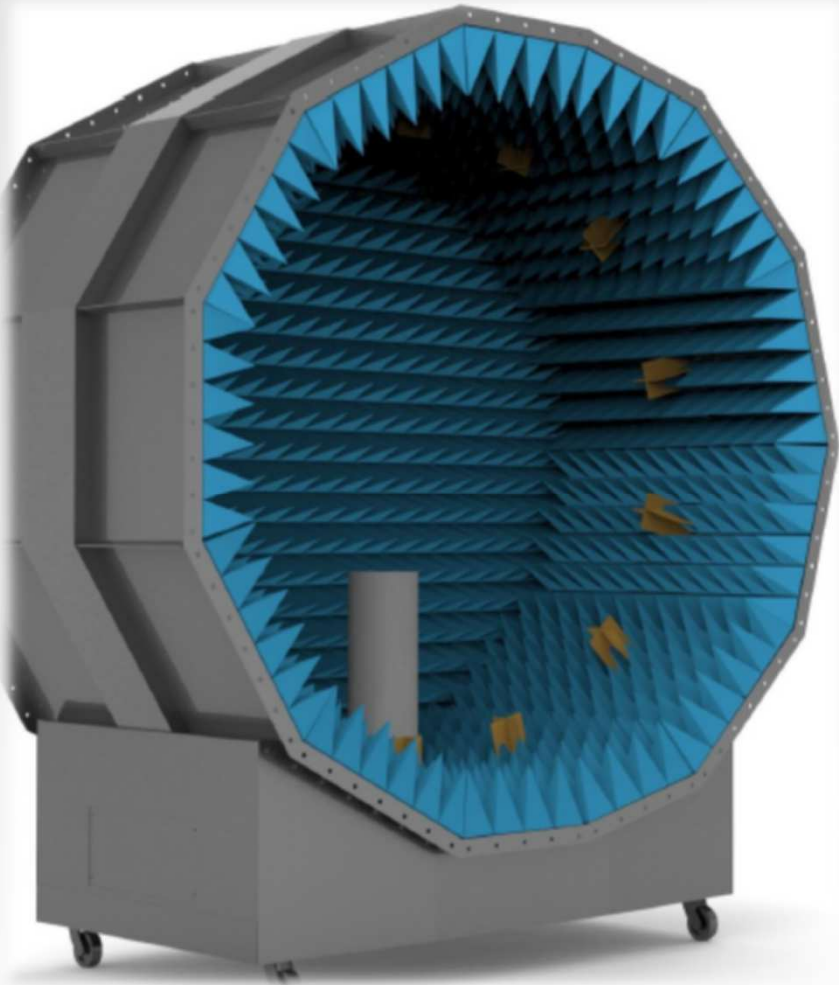
HW803 Antenna Evaluating Report

Prepared By: Mo

Date of Report: 2024-3-6

Date	Rev	Description
2024-3-6	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			

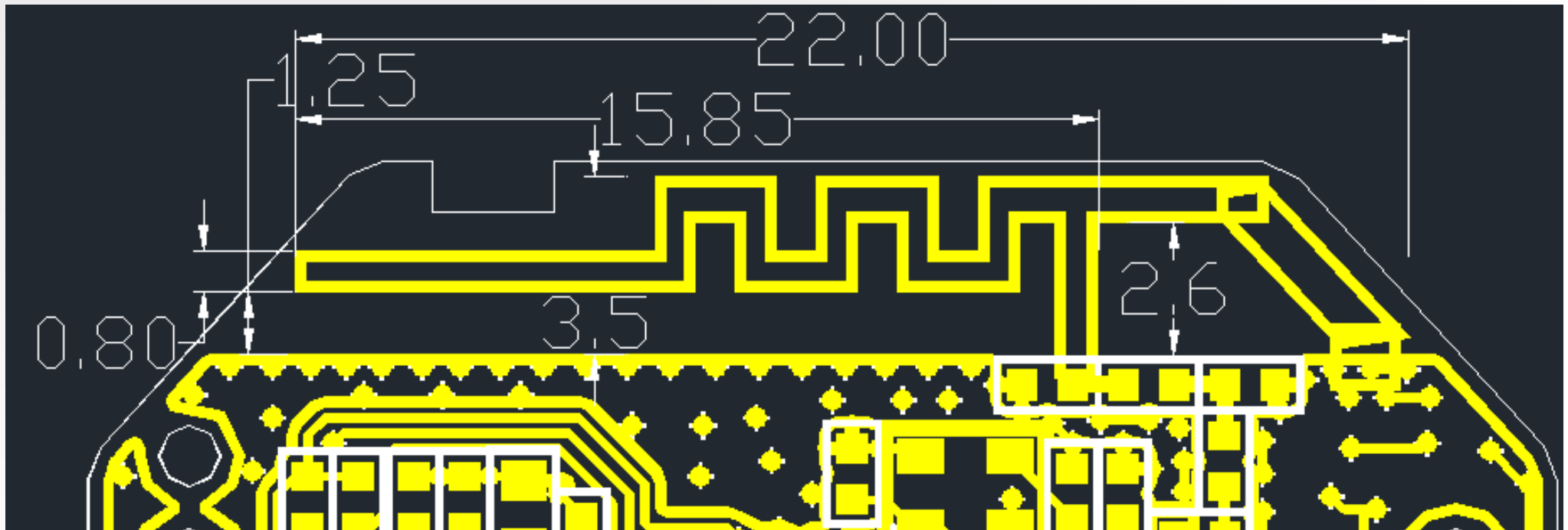
Antenna information

Manufacturer : Shenzhen Xinzhide Technology Co., Ltd.

Address : Room 301, Building A, Anzhilong Industrial Park, Qinghu Community, Longhua Street, Longhua District, Shenzhen

P/N : HW803 ANT

Type : on-board Antenna



Ant TEST

Effic & Gain

Gain/Efficiency

Item	Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
1	2400	1.68	-2.56	55.42
2	2405	1.74	-2.49	56.40
3	2410	1.88	-2.45	56.83
4	2415	1.76	-2.45	56.89
5	2420	1.83	-2.46	56.79
6	2425	1.81	-2.46	56.75
7	2430	1.82	-2.44	57.08
8	2435	1.76	-2.45	56.92
9	2440	1.85	-2.44	56.98
10	2445	1.92	-2.50	56.29
11	2450	1.96	-2.57	55.30
12	2455	1.98	-2.67	54.07
13	2460	1.95	-2.79	52.65
14	2465	1.92	-2.86	51.75
15	2470	1.87	-2.95	50.71
16	2475	1.83	-3.03	49.82
17	2480	1.72	-3.15	48.40
18	2485	1.60	-3.27	47.09
19	2490	1.43	-3.38	45.96
20	2495	1.25	-3.48	44.89
21	2500	1.06	-3.59	43.80

Ant TEST

E1 Plant

2D Pattern - Phi

Azimuths

0°

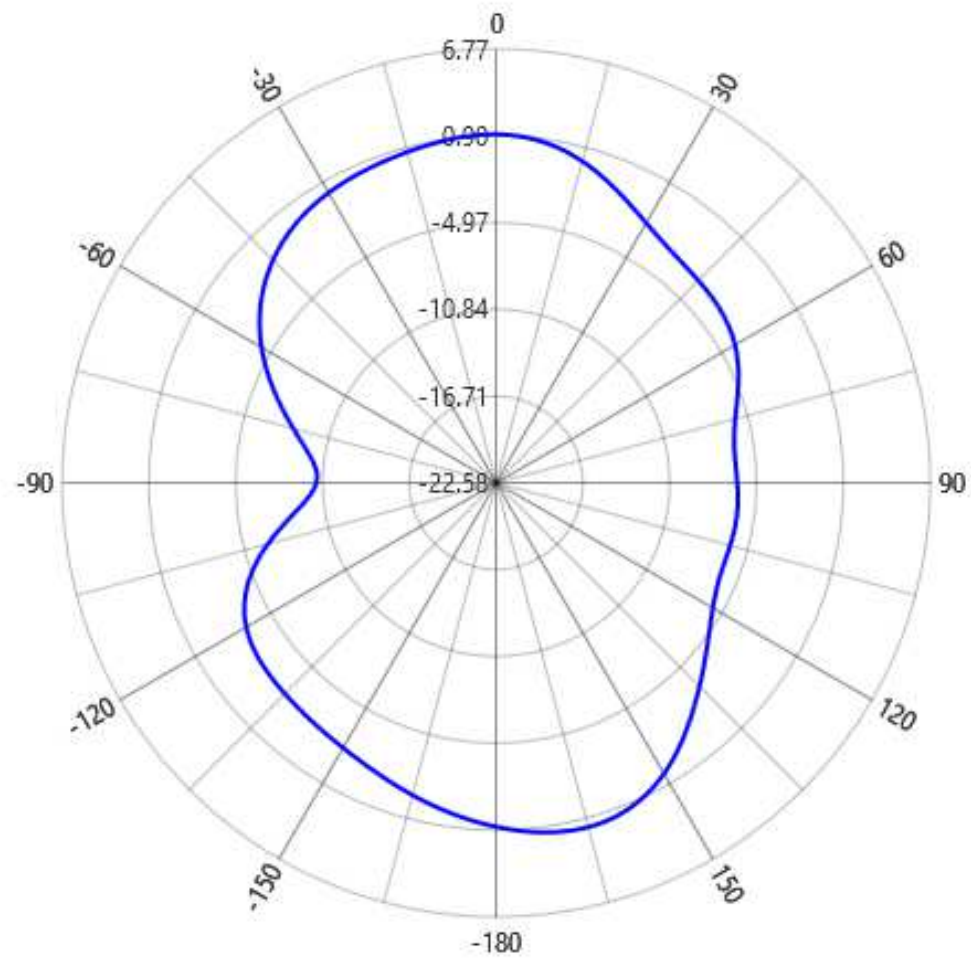
FreqList(MHz)

☒ 2440

☐ All Freq

Coordinate

Polar



Ant TEST

E2 Plant

2D Pattern - Phi

Azimuths

90°

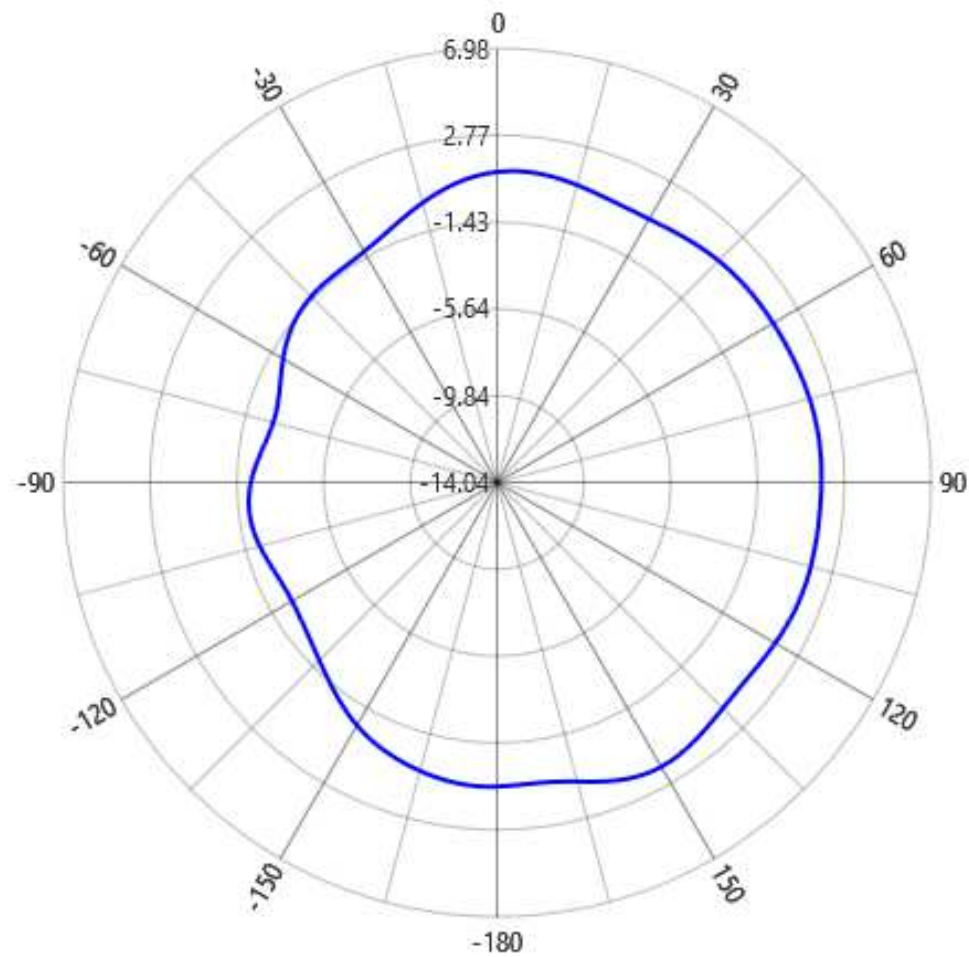
FreqList(MHz)

☒ 2440

☐ All Freq

Coordinate

Polar



Ant TEST

H plant

2D Pattern - Theta

Elevations

90°

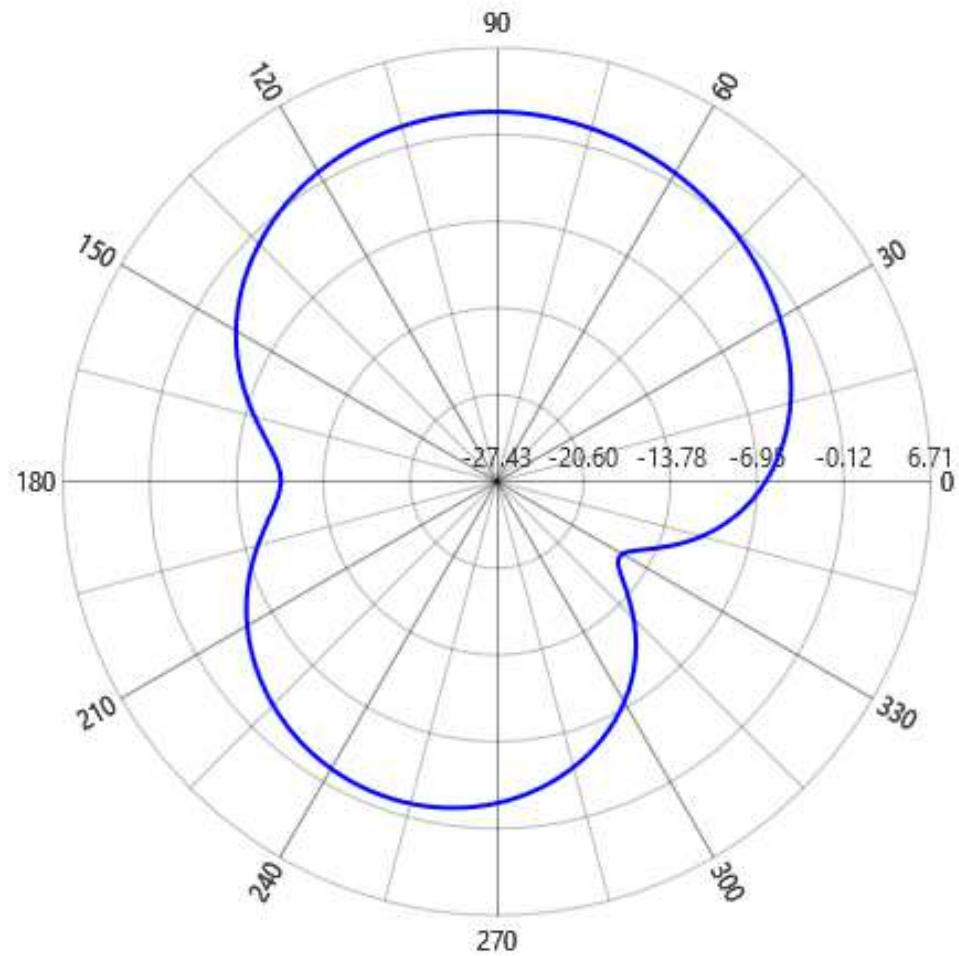
FreqList(MHz)

☒ 2440

☐ All Freq

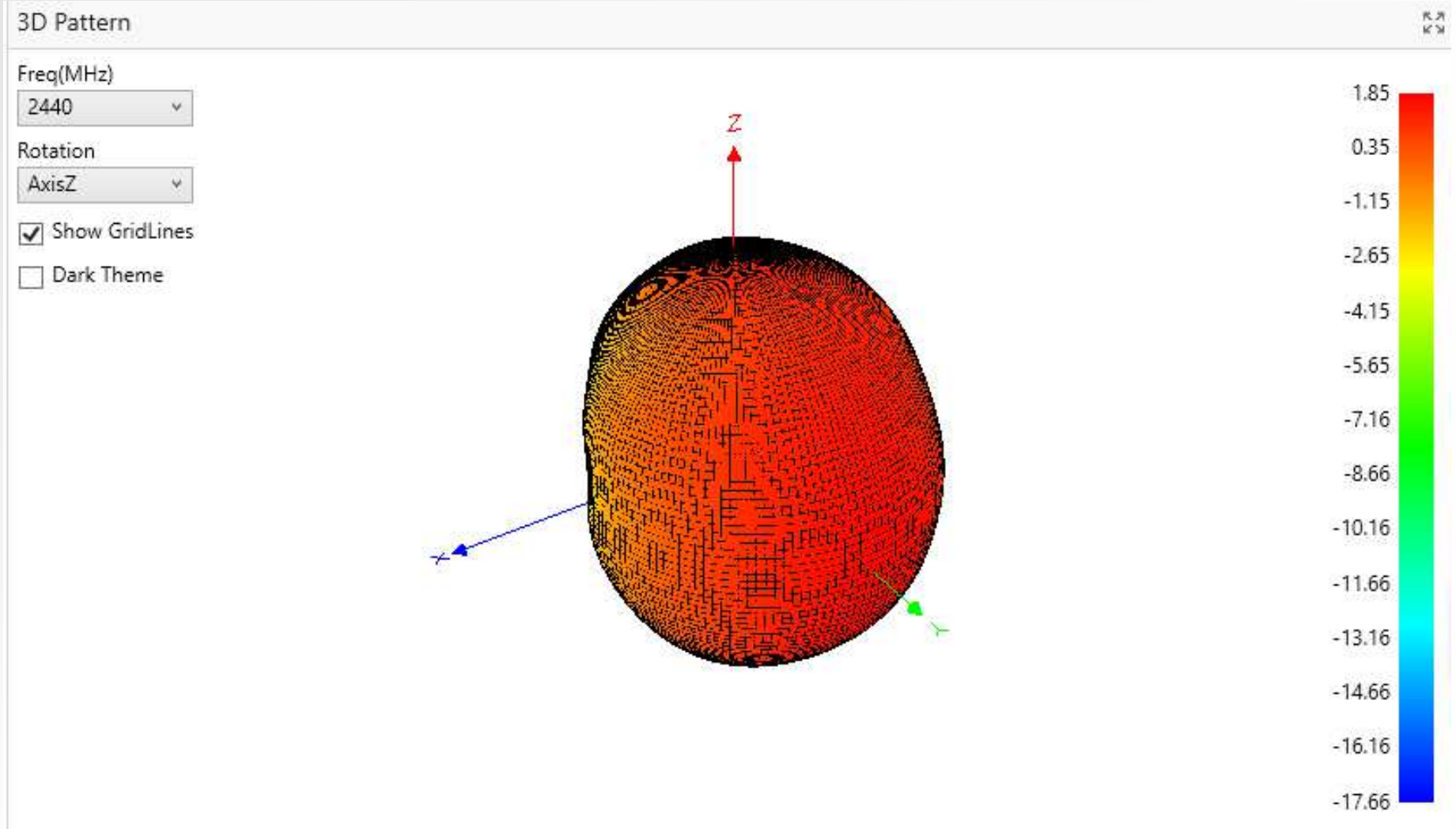
Coordinate

Polar



Ant TEST

3D Radiation



Thank You



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