



杭州宇泛智能科技有限公司
Universal Ubiquitous AI Co., Ltd. #

样品承认书

SPECIFICATION FOR APPROVAL

样品编号 (FILES NO.): 1230110417-01

物料名称 (PART NAME): 2.4G Antenna

物料编码 (PART NO.): 1230110417

物料描述 (DESC.): E73 新 RF 座-WiFi 天线-柔性 FPC-45.0*15.0mm-带 IPEX 接头-线长 192mm

E73 NewRF-WiFi Antenna-FPC-45.0*15.0mm-First-Generation IPEX-Cable 192mm

供 应 商 (SUPPLIER): 东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

型 号 (MODEL): YJH01.038.032.302A

发样日期 (ISSUE DATE): 2023/12/26





承认书项目表

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add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086

add: Yuanfu Industrial Zone, No. 59 Muyu Road, Shatou Community, Chang'an Town,
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RoHS
Compatible

CUSTOMER
PART NO

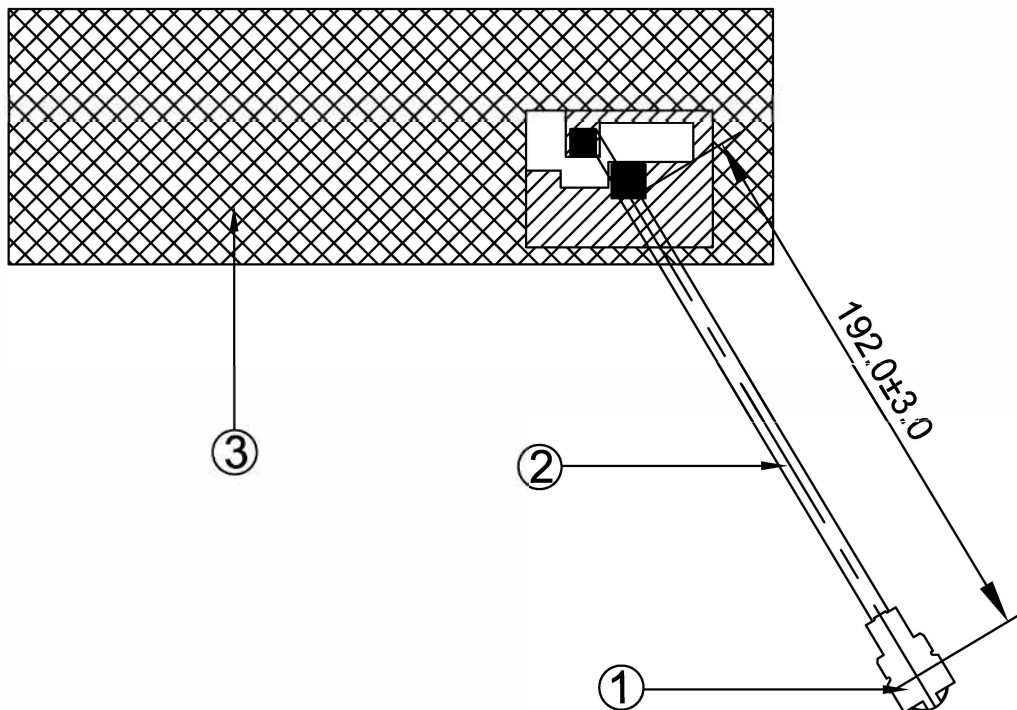
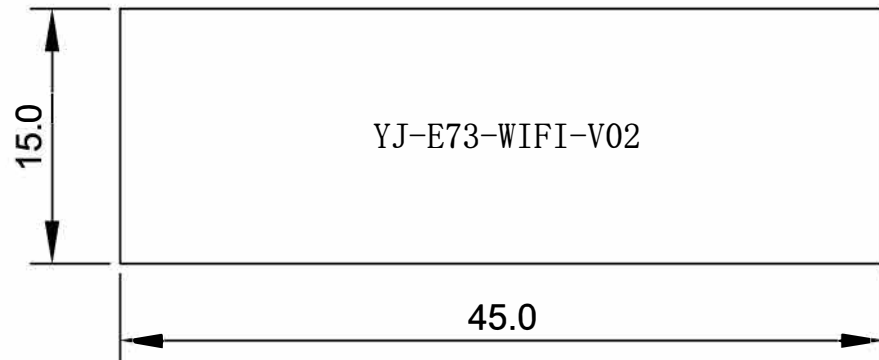
REV.



DESCRIPTION

DATE

2022-05-19



3	FPCB	45.0*15.0MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part	Q.TY



东莞市一佳电子通讯科技有限公司

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PART NAME:2.4G Antenna

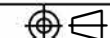
PART NO.: YJH01.038.032.302A

DATE: 2022-05-19

APPROVED BY

CHECKED BY

DESIGNED BY



UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance

X.X ±0.50

X.XX±0.15

X° ±3°



天线规格

Antenna specifications

电气性能 Electrical performance	
Frequency（频率范围）	2.4-2.5GHz
Impedance（输入阻抗）	50 Ohm Nominal
V.S.W.R（电压驻波比）	2.5 Max
Gain（总增益）	3.9 dBi
Radiation（辐射方向）	Omni-directional
Polarization（极化方式）	Linear
物理性能 physical property	
Connector（接头类型）	1 IPEX
Cable Type（线材类型）	O.D.1.13mm
Cable Length（线材长度）	192mm
Cable Color（线材颜色）	黑色 black
Operating Temp.（工作温度）	-40 ~ +85 °C
Storage Temp / Humidity（储存温度/湿度）	25±5°C / <70%

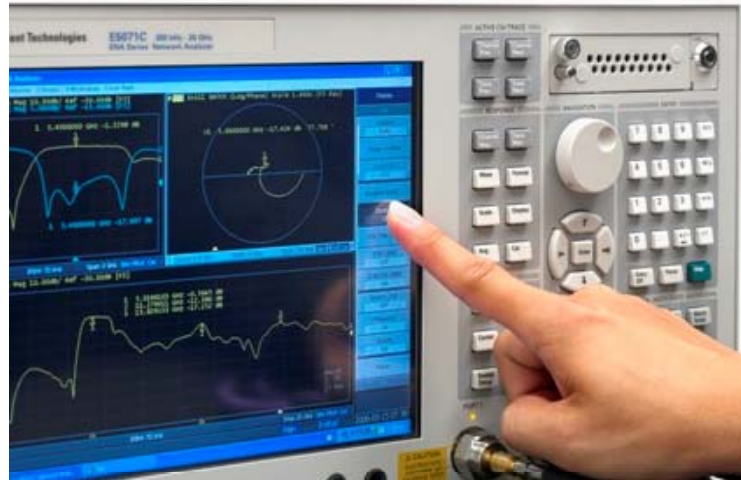
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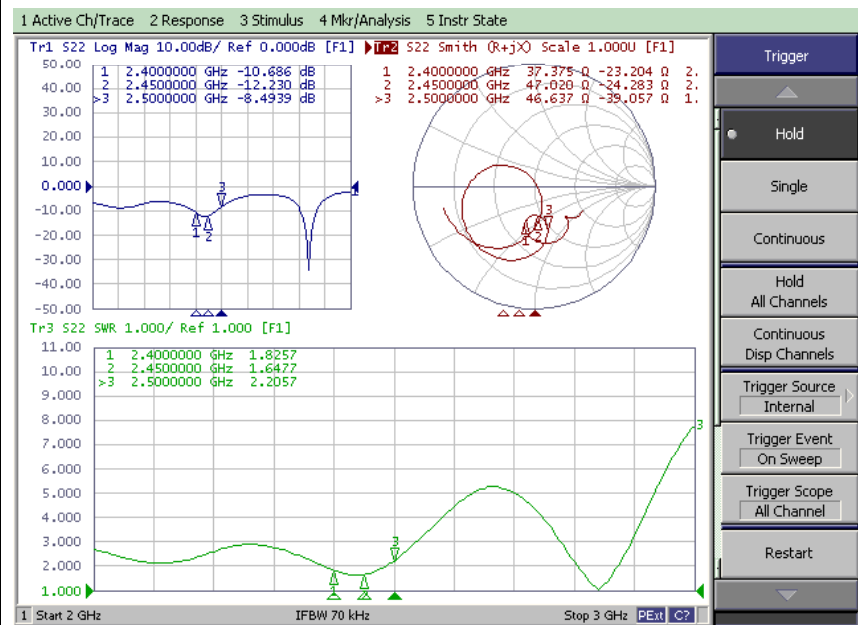


S参数测试 Parameter testing

**Agilent
E5071B**

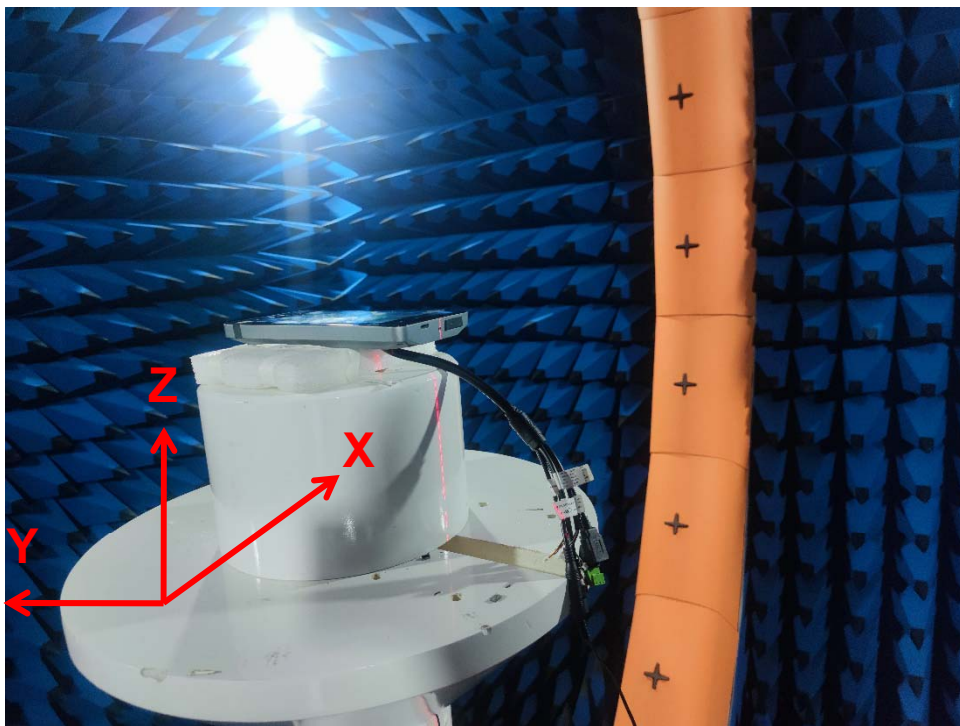
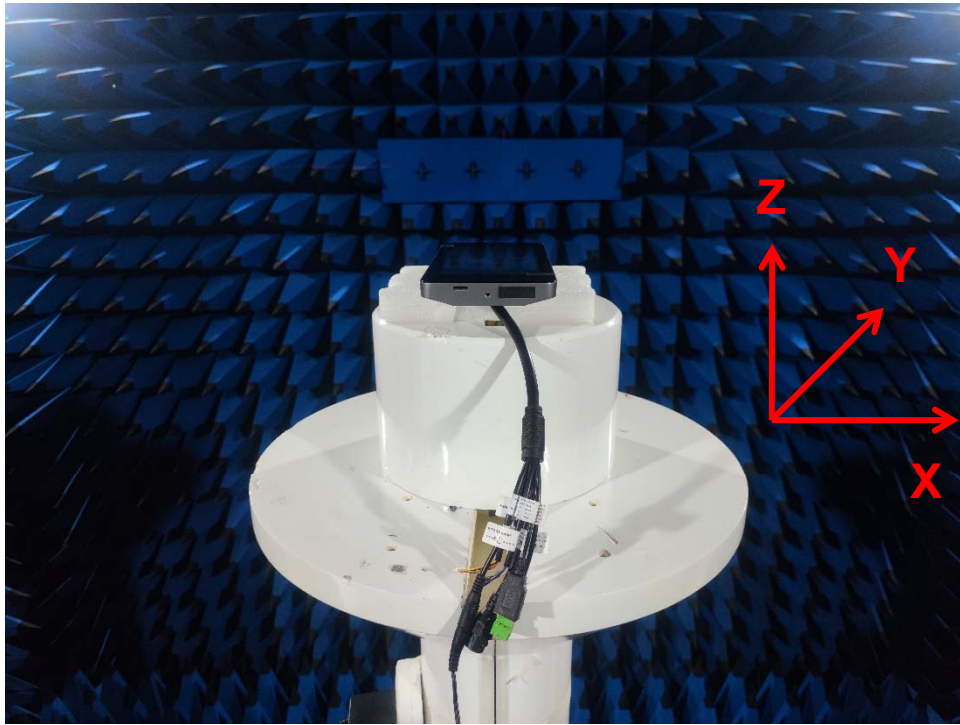


**S11
Parameter
Test //
2.4G
Antenna**



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Passive Test For 2.4GAntenna

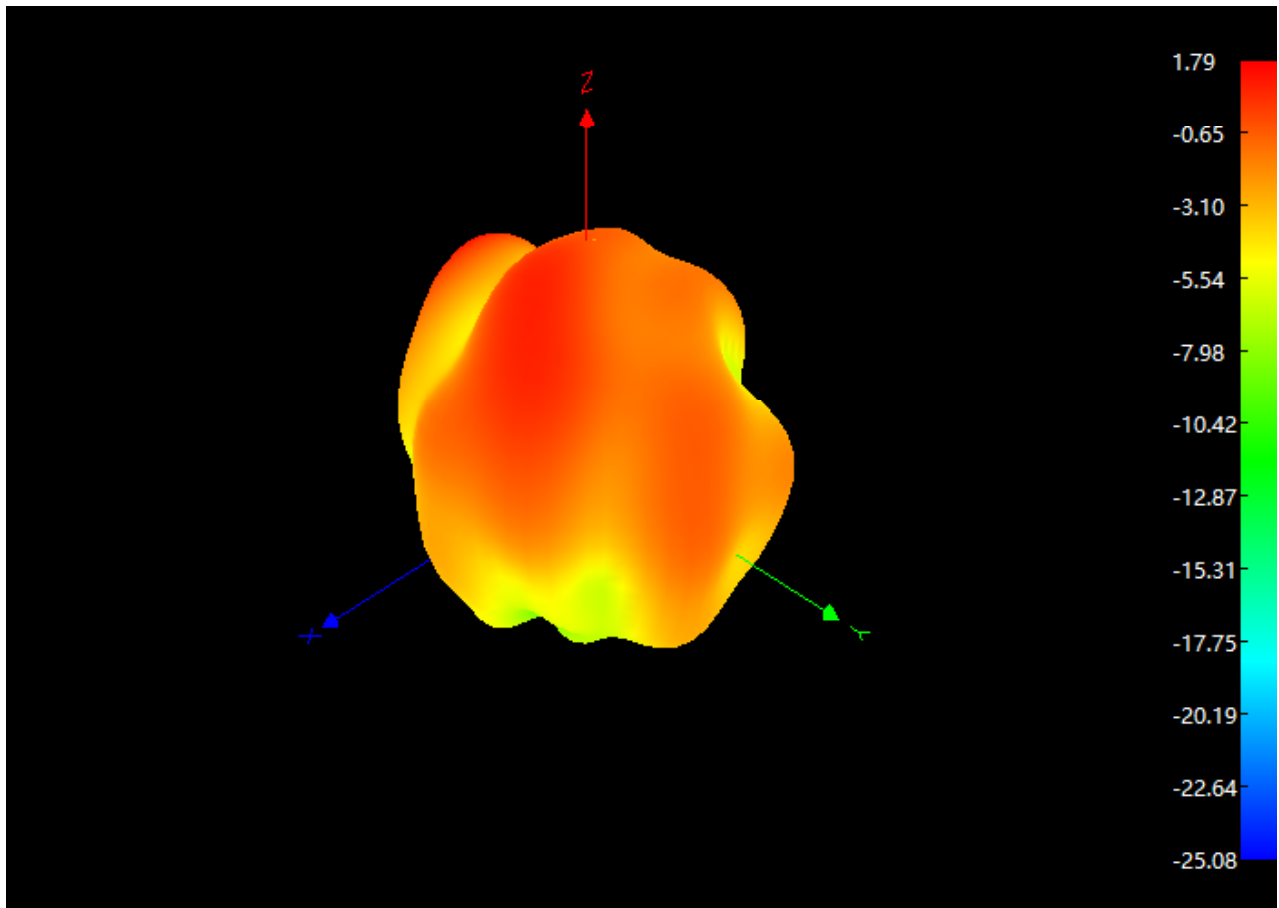
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	30.7	-5.1	1.8
2410	32.7	-4.9	1.8
2420	33.1	-4.8	2.3
2430	35.1	-4.5	2.7
2440	34.9	-4.6	2.9
2450	33.9	-4.7	2.8
2460	32.5	-4.9	2.8
2470	32.8	-4.8	2.3
2480	33.2	-4.8	2.9
2490	34.2	-4.7	3.0
2500	33.2	-4.8	3.9

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Radiation Pattern For 2.4G Antenna(2400MHz)

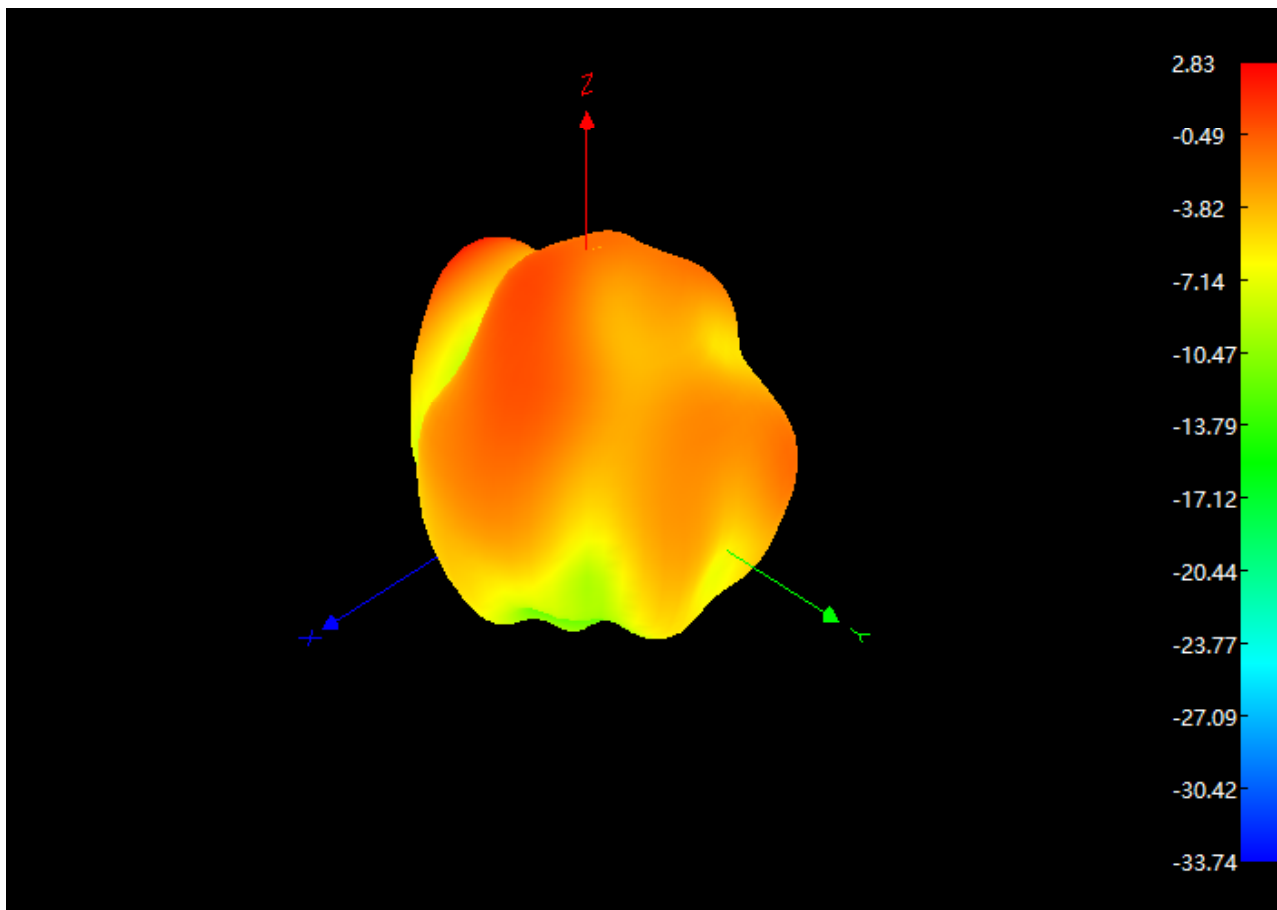


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Radiation Pattern For 2.4G Antenna(2450MHz)

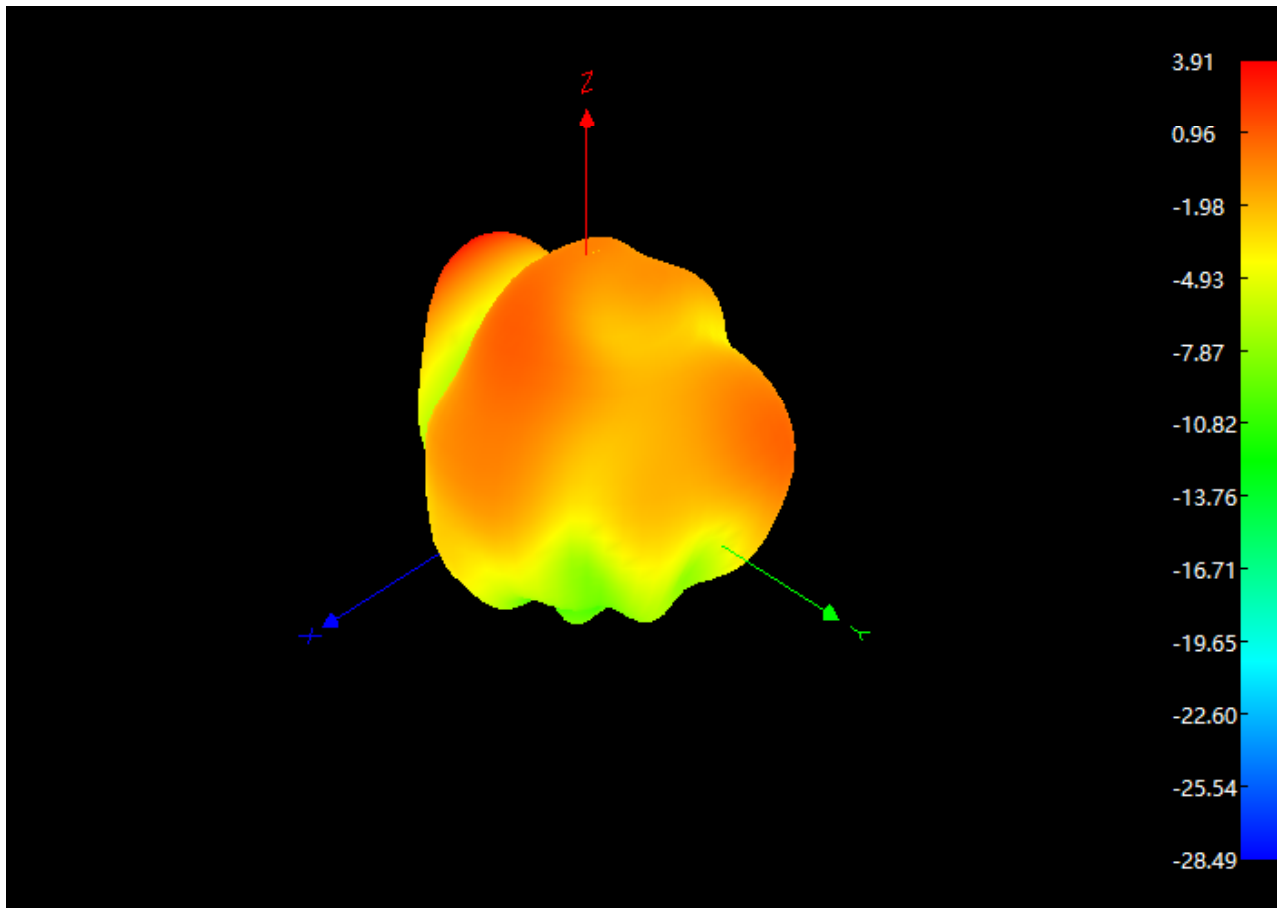


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Radiation Pattern For 2.4G Antenna(2500MHz)



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