



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.): 1230110391-01

物料名称 (PART NAME): 2.4G Antenna

物料编码 (PART NO.): 1230110391

物料描述 (DESC.): E53-WiFi 天线-柔性 FPC-27.0*26.5mm-带 IPEX 接头-线长 88mm
E53-WiFi Antenna-FPC-27.0*26.5mm-First-Generation IPEX-Cable 88mm

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): YJH01.038.031.301A

发样日期 (ISSUE DATE): 2023/12/26





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11	-	-	-
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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

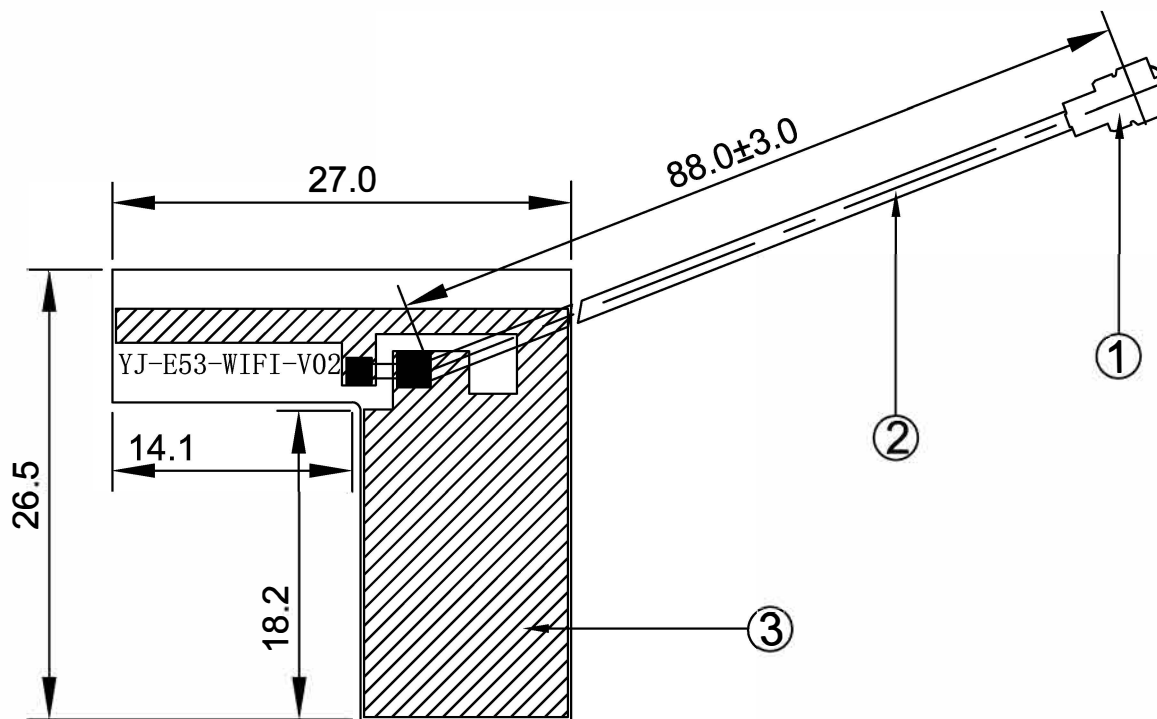
DATE

A

2022-04-02

B

2022-05-18



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

PART NAME: 2.4G Antenna

PART NO.: YJH01.038.031.301A

DATE: 2022-05-18

APPROVED BY

CHECKED BY

DESIGNED BY

UNITS: mm

Tolerance

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

3	FPCB	27.0*26.5MM	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

Number



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)	2.0 Max
Gain (总增益)	5.7 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)	88mm
Cable Color (线材颜色)	Black
Operating Temp. (工作温度)	-40 ~ +85 °C
Storage Temp / Humidity (储存温度/湿度)	25±5°C / <70%

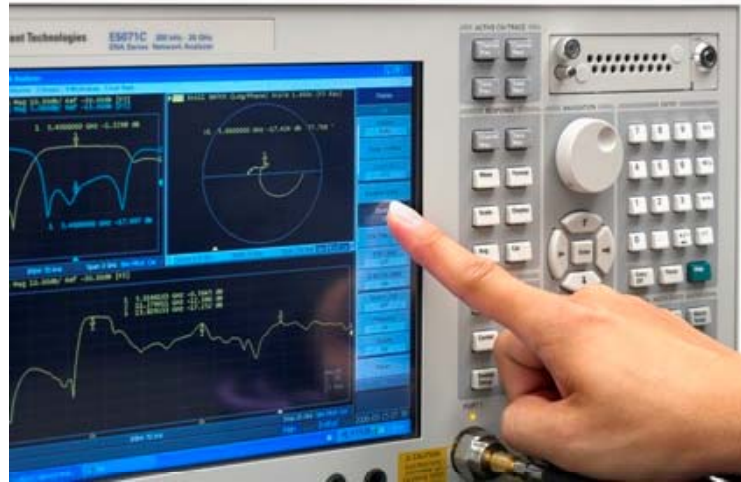
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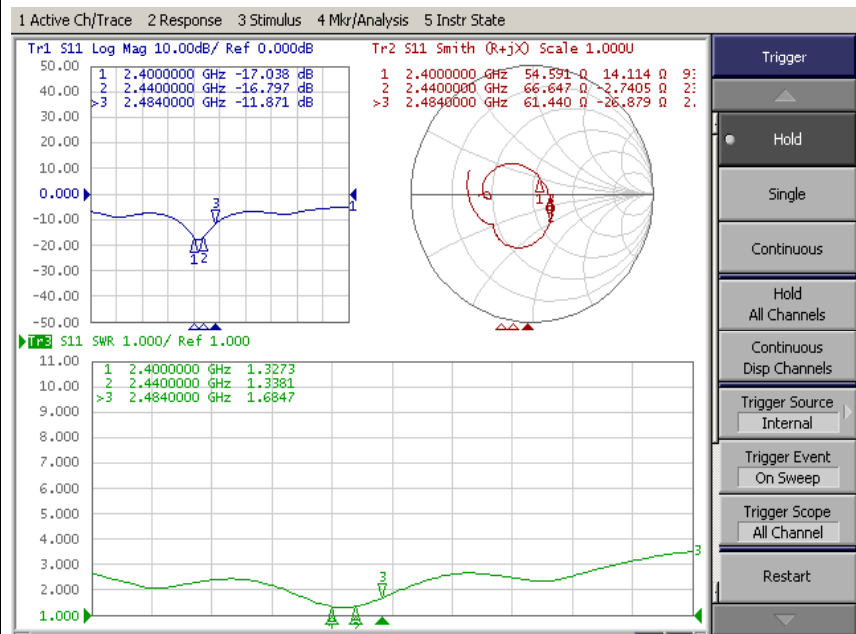


S参数测试 Parameter testing

**Agilent
E5071B**

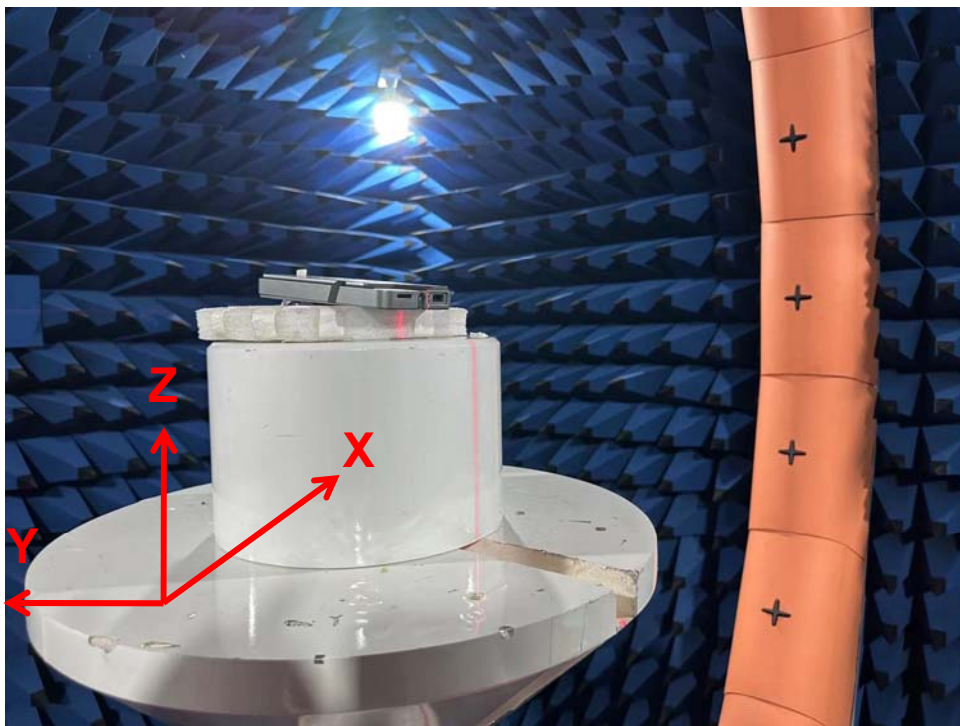
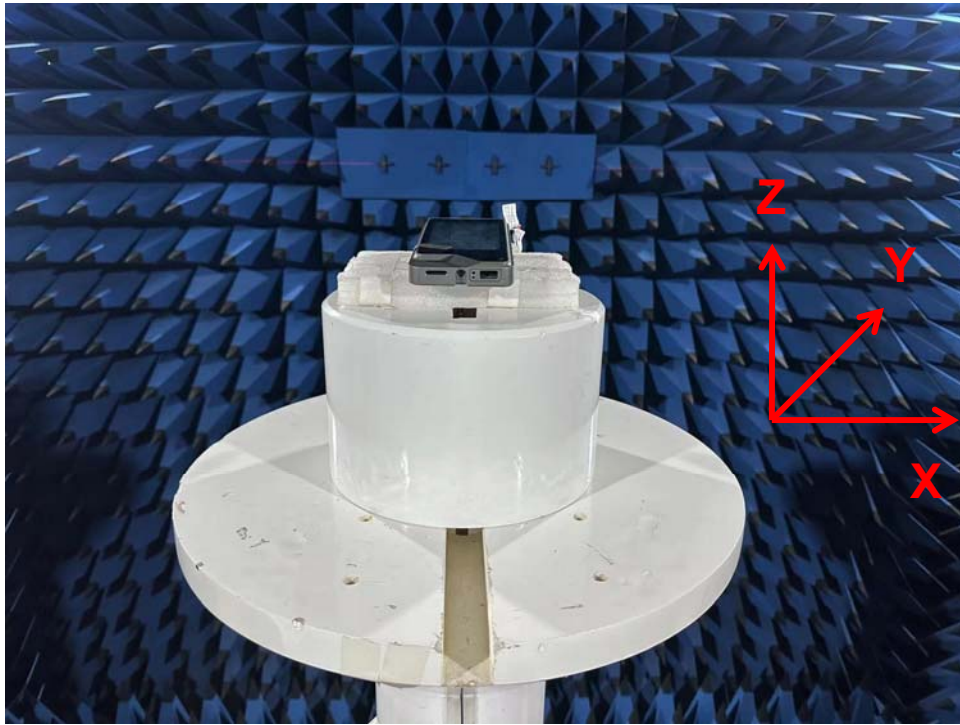


**S11
Parameter
Test //
2.4G
Antenna**



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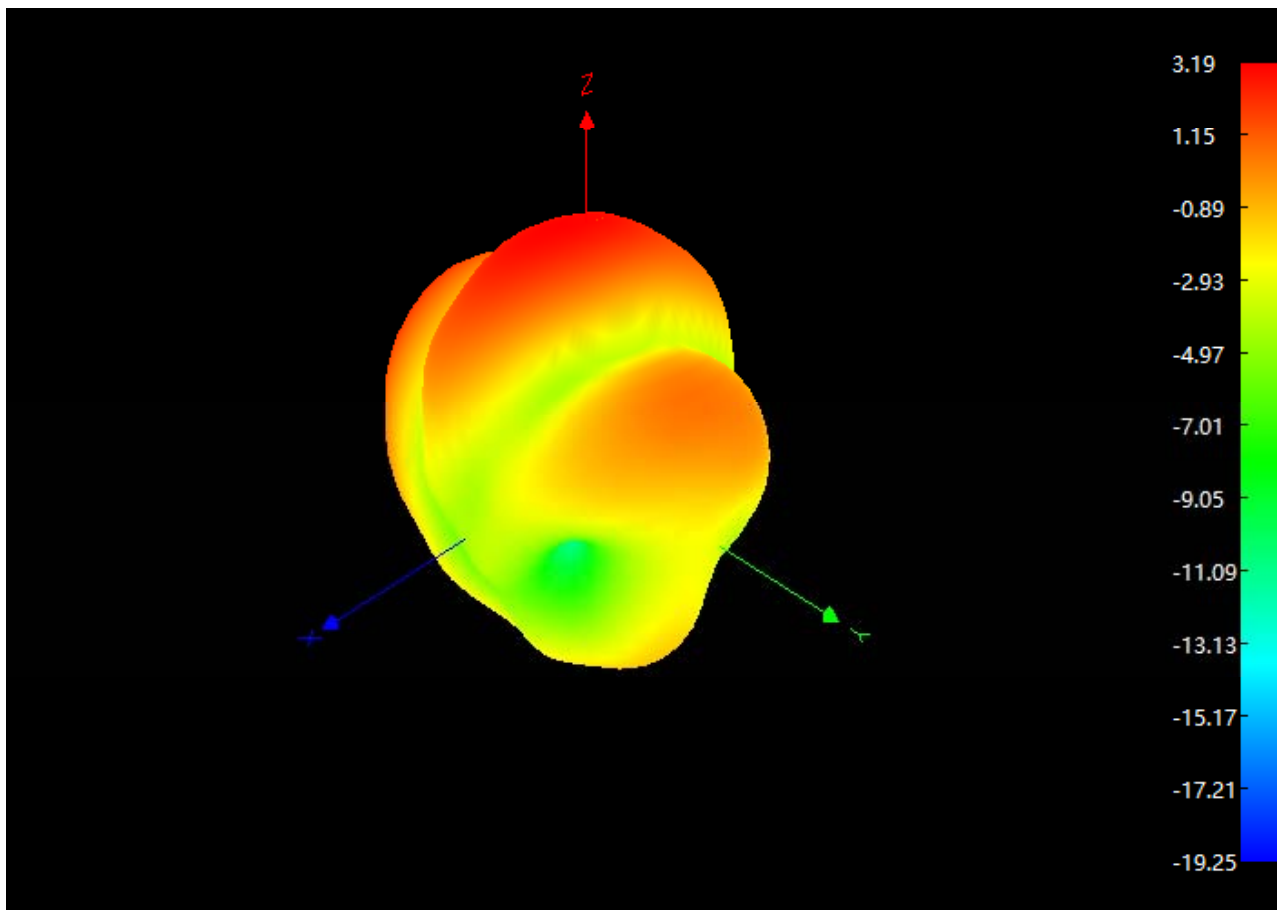
Passive Test For 2.4G Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.6	-3.4	3.2
2410	46.5	-3.3	3.4
2420	47.6	-3.2	3.7
2430	50.5	-3.0	3.8
2440	51.3	-2.9	4.2
2450	54.0	-2.7	4.4
2460	53.0	-2.8	4.7
2470	54.8	-2.6	5.0
2480	54.6	-2.6	5.4
2490	53.7	-2.7	5.5
2500	54.6	-2.6	5.7

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Radiation Pattern For 2.4G Antenna(2400MHz)

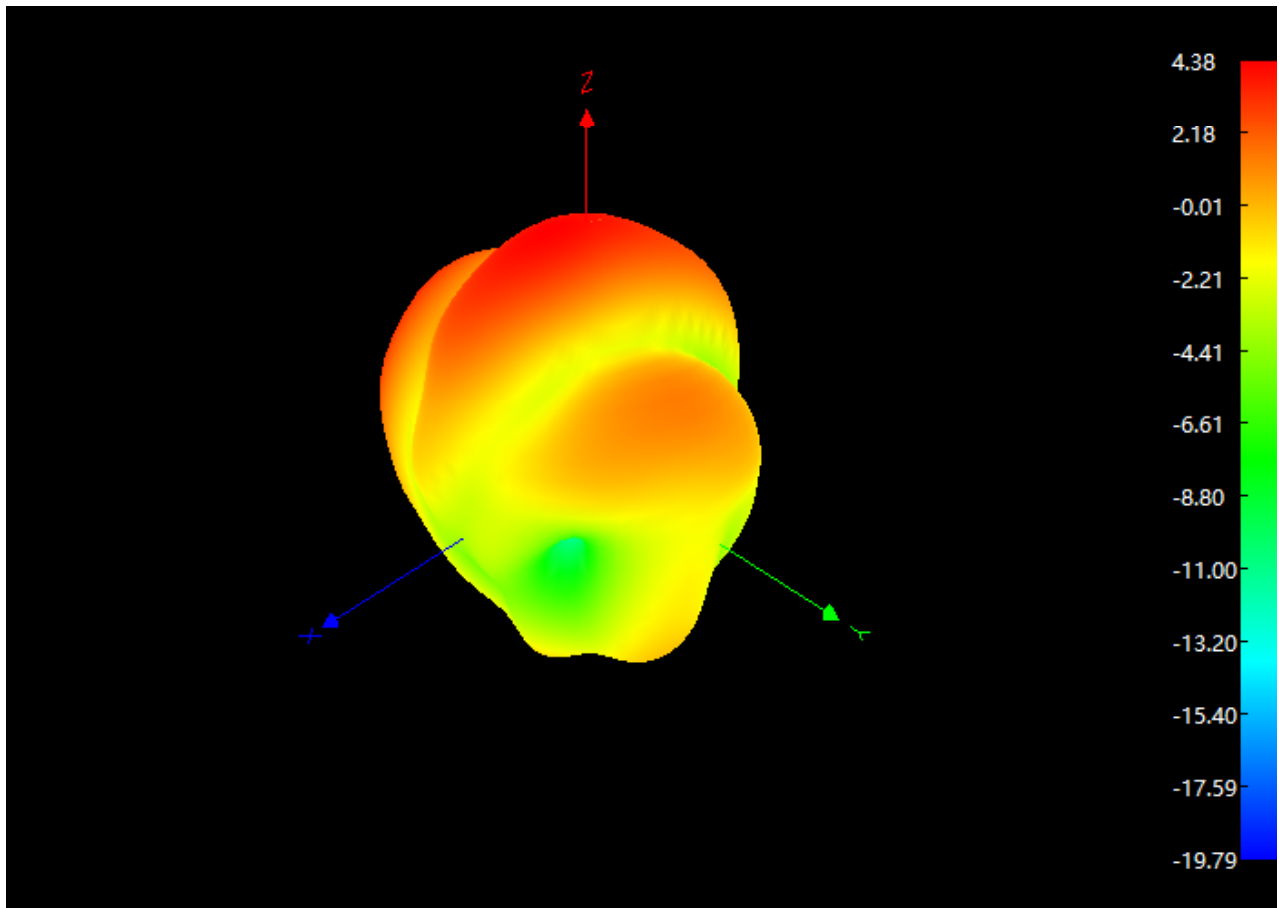


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Radiation Pattern For 2.4G Antenna(2450MHz)

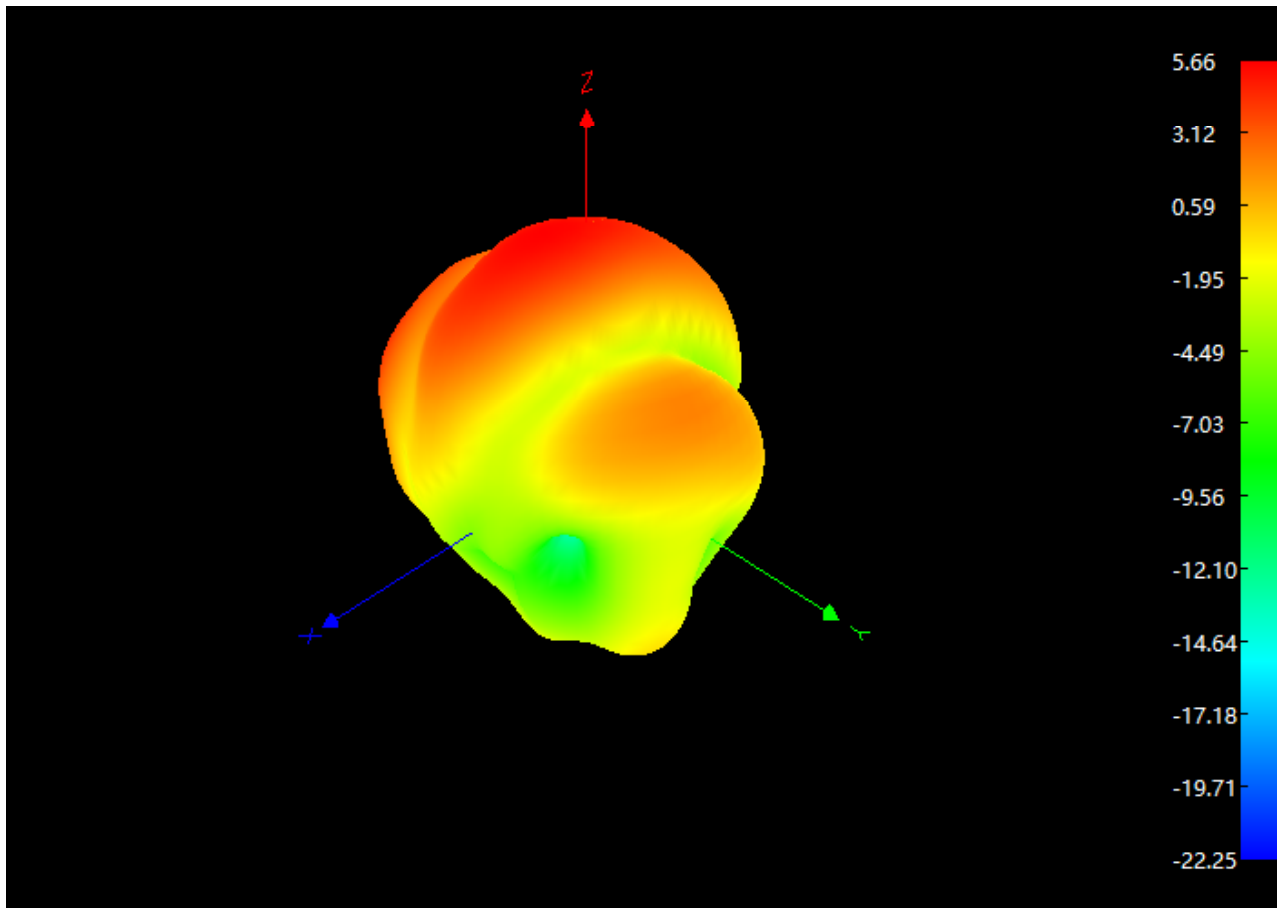


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Radiation Pattern For 2.4G Antenna(2500MHz)



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