



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/17
编号 File No	25031701
版本 Revision	1.0

客户
CUSTOMER: Shenzhen Tilta Technology Co. Ltd.

客户料号
CUSTOMER NO: 31112.00039.00.00

品名
PART NAME: WIFI/BT Antenna L=80mm MHF

供方料号
SUPPLIER NO: YJL01.050.026.301A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-





承认书项目表

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11	N/A	N/A	N/A
12	-	-	-
13	-	-	-



1		2		3		4		5		6		7		8	
RoHS Compatible		CUSTOMER								REV.		DESCRIPTION		DATE	
		PART NO								A		首次发行		2024-12-06	
										B		修改FPC		2024-12-19	
27.4 17.6 YJ-DW2301-WIFI/BT-V04 80.0±3.0 3 2 1															
EG 东莞市一佳电子通讯科技有限公司 DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD PART NAME: WIFI/BT Antenna L=80mm MHF PART NO.: YJL01.050.026.301A DATE: 2024-12-19 APPROVED BY CHECKED BY DESIGNED BY 何清军 周棋 廖光喜 UNIT: mm SCALE: 1/1 REVISION: B Tolerance X.X ±0.50 X.XX±0.15 X° ±3°															
3		FPC		27.4*17.6mm		FPC		1							
2		Coaxial Cable		O.D.1.13 Black		O.D.1.13		1							
1		Mini Connector		Au Plated 1代		Cu		1							
NO		PART NAME		DESCRIPTION		Material		Q.TY							
1		2		3		4		5		6		7		8	



天线规格 Antenna Specification

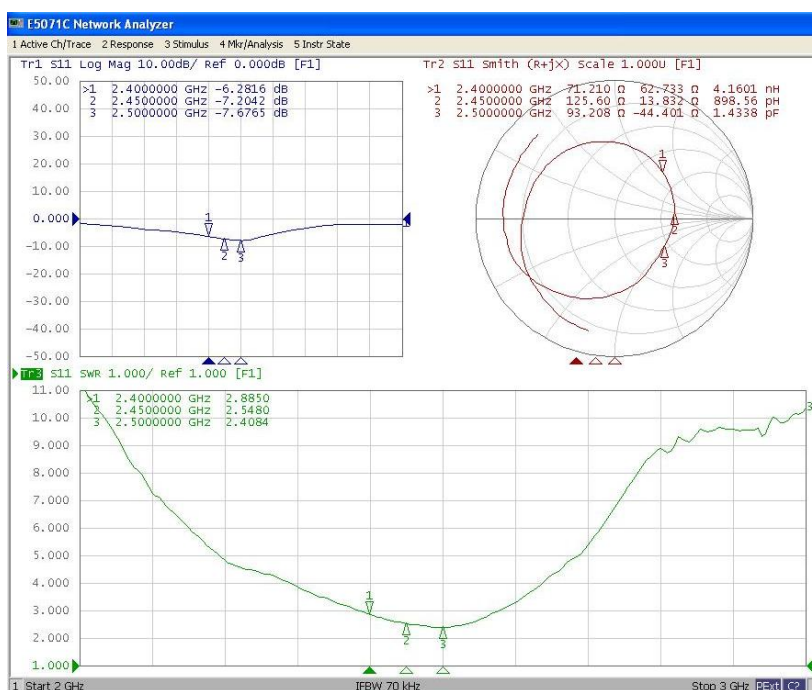
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	Lumenradio: 4.3 dBi ZigBee: 2.1 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Model	YJ-DW2301-WIFI/BT-V02
Cable Type	O.D.1.13mm
Cable Length	80mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

*Agilent
E5071C
S
Parameter
Test //
lumenradio
Antenna*

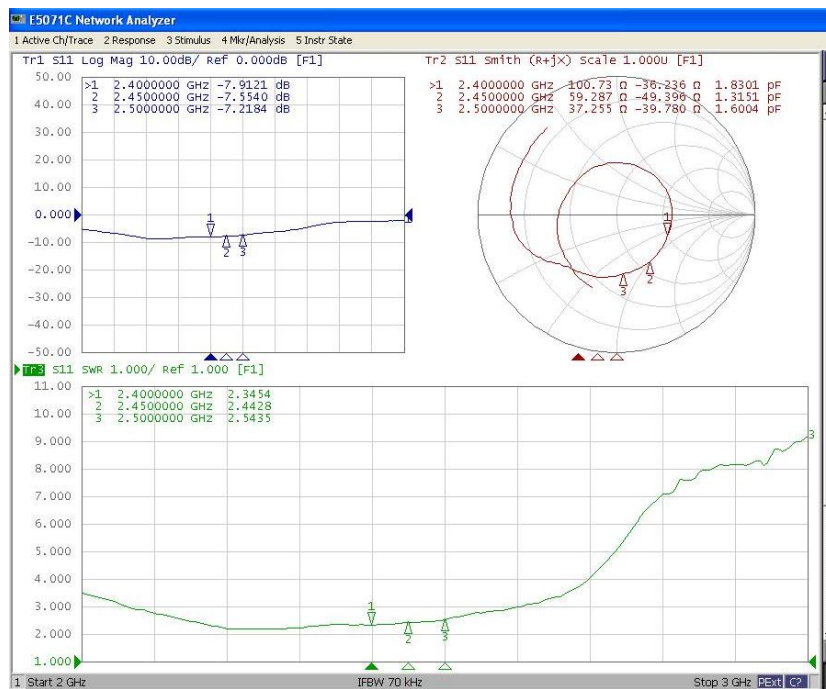


Yuanfu Industrial Park, No.59, Muyu Road, Shatou Community, Chang'an Town, Dongguan, Guangdong Tel:0769-82586086 Fax:0769-82586086



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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Agilent E5071C S Parameter Test // ZigBee Antenna



Yuanfu Industrial Park, No.59, Muyu Road, Shatou Community, Chang'an Town,
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Passive Test For lumenradio Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.3	-4.2	3.6
2410	40.0	-4.0	3.7
2420	42.1	-3.8	3.4
2430	41.6	-3.8	3.6
2440	44.9	-3.5	3.5
2450	44.7	-3.5	3.9
2460	46.2	-3.4	3.6
2470	44.7	-3.5	4.3
2480	46.0	-3.4	4.0
2490	44.0	-3.6	4.3
2500	45.0	-3.5	3.8





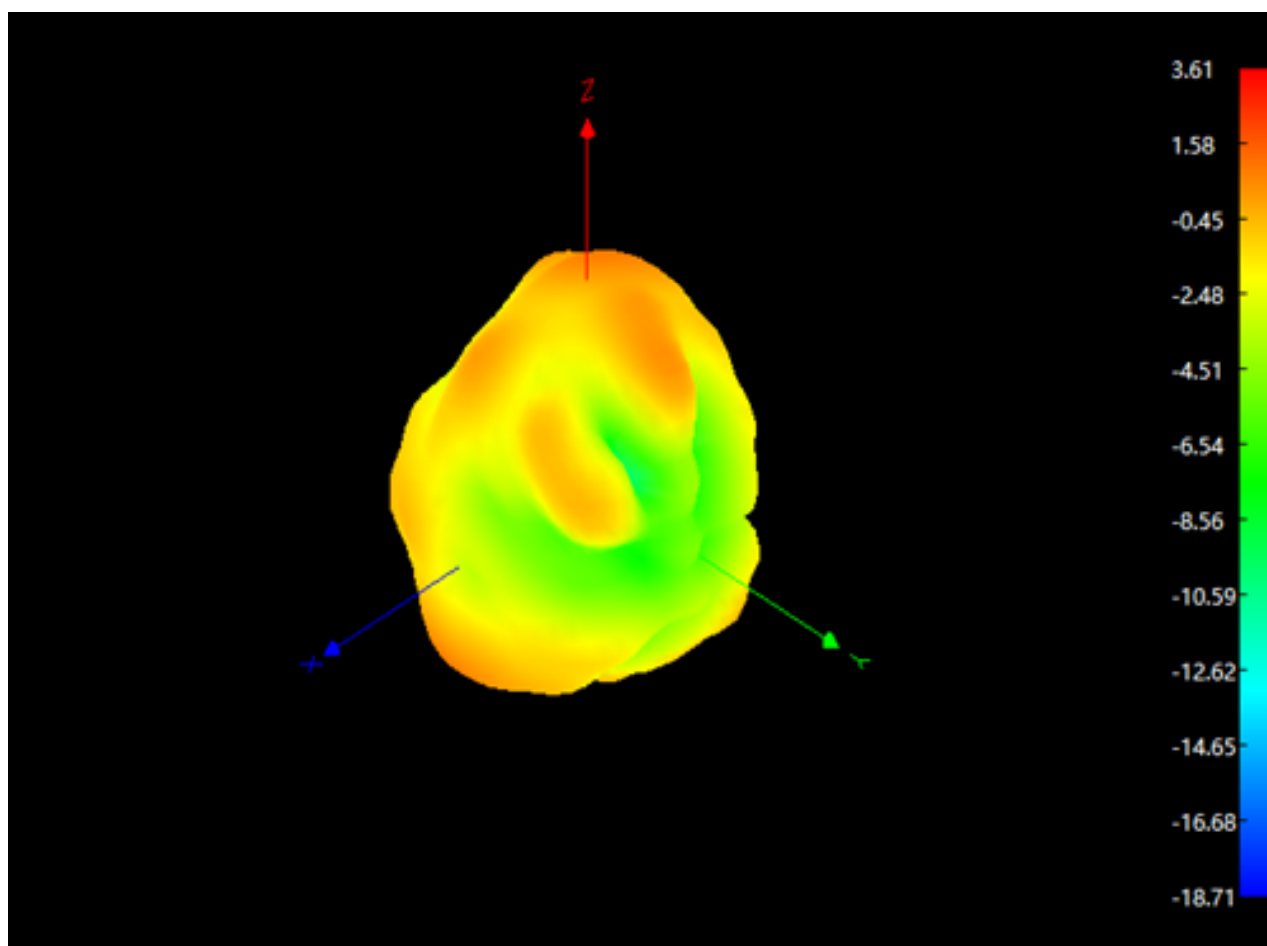
Passive Test For ZigBee Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	28.0	-5.5	1.6
2410	28.1	-5.5	1.5
2420	29.1	-5.4	1.7
2430	31.0	-5.1	2.1
2440	30.6	-5.1	2.0
2450	30.8	-5.1	1.7
2460	30.0	-5.2	1.8
2470	30.2	-5.2	1.9
2480	28.6	-5.4	1.6
2490	27.9	-5.6	1.6
2500	27.1	-5.7	1.3



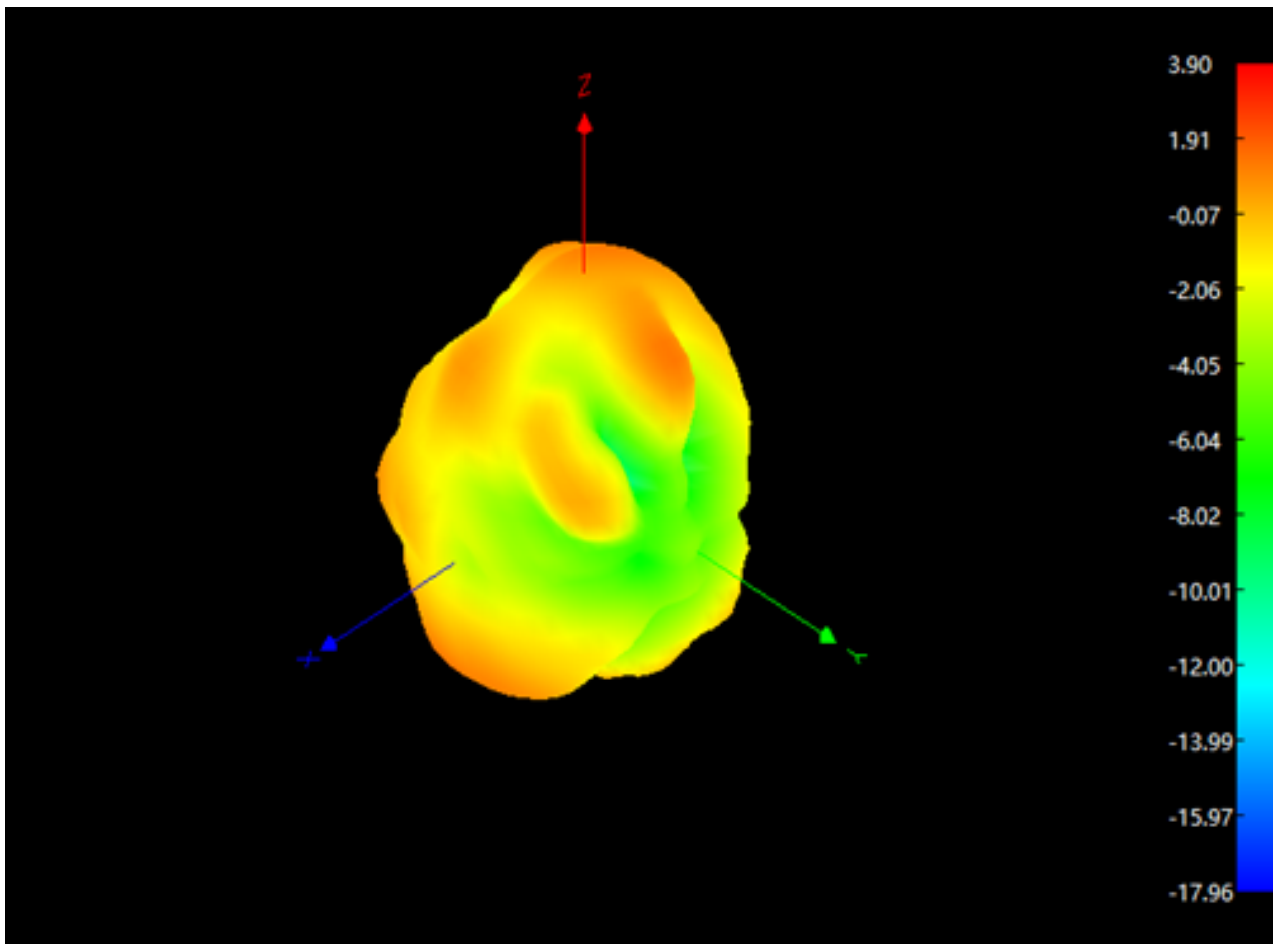


Radiation Pattern For lumenradio Antenna (2400MHz)



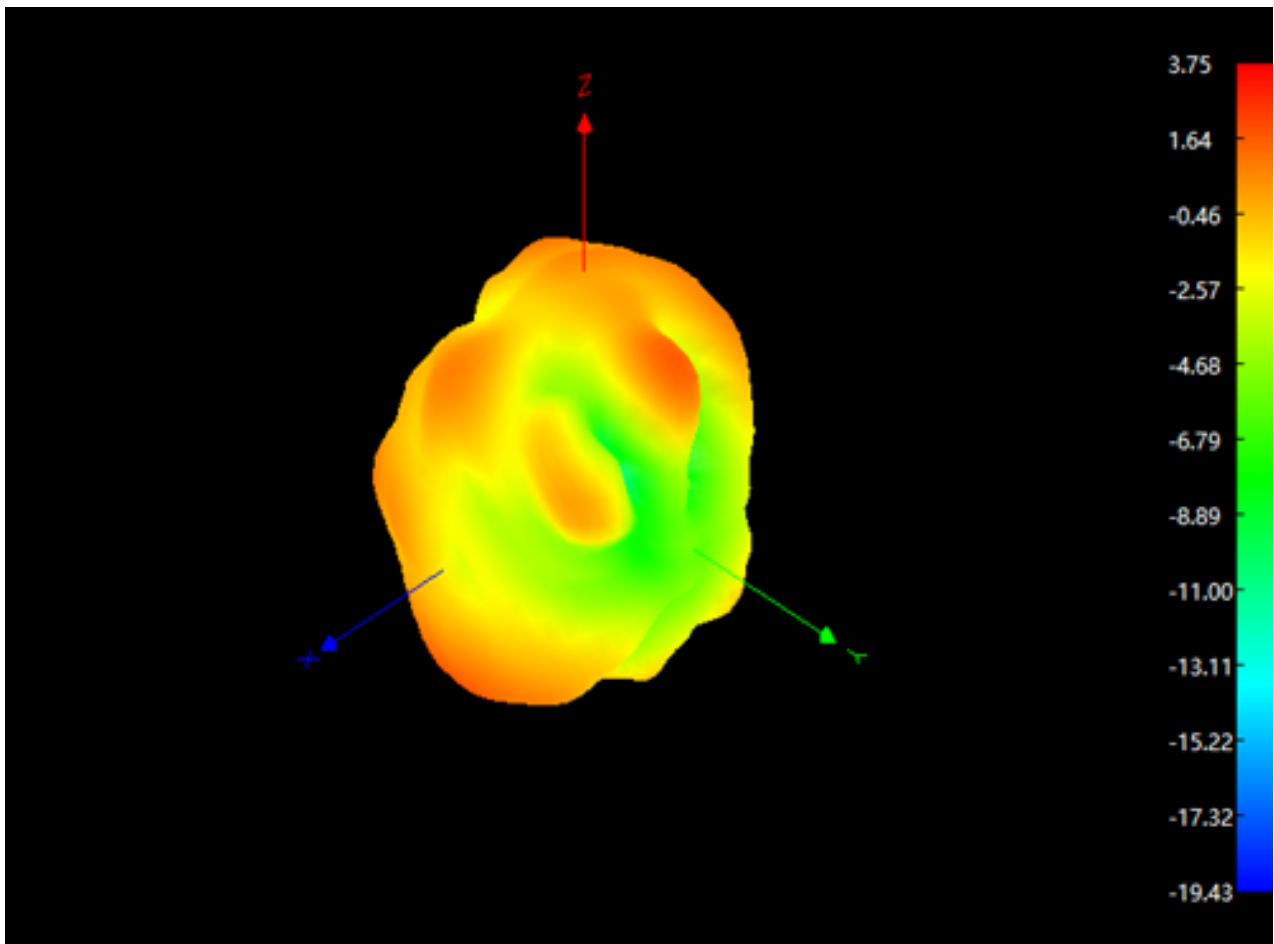


Radiation Pattern For lumenradio Antenna (2450MHz)





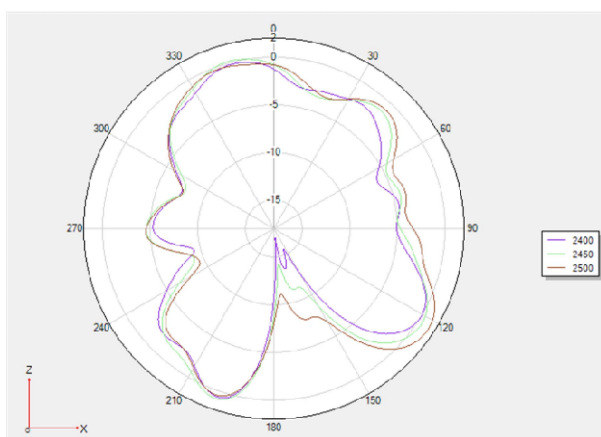
Radiation Pattern For lumenradio Antenna (2500MHz)



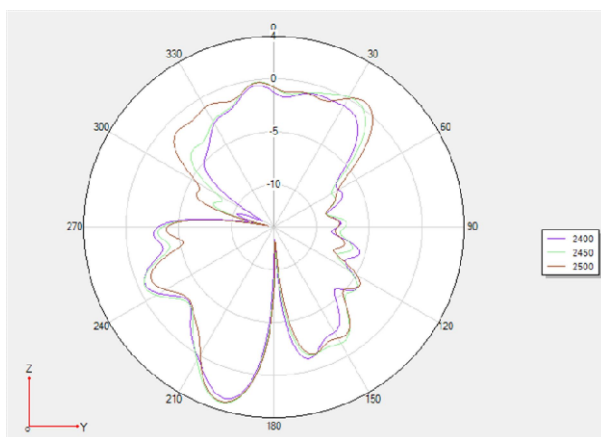


Radiation Pattern For lumenradio Antenna

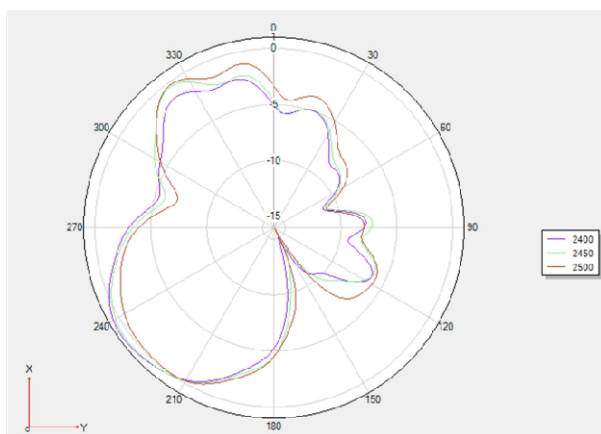
Phi 0°



Phi 90°

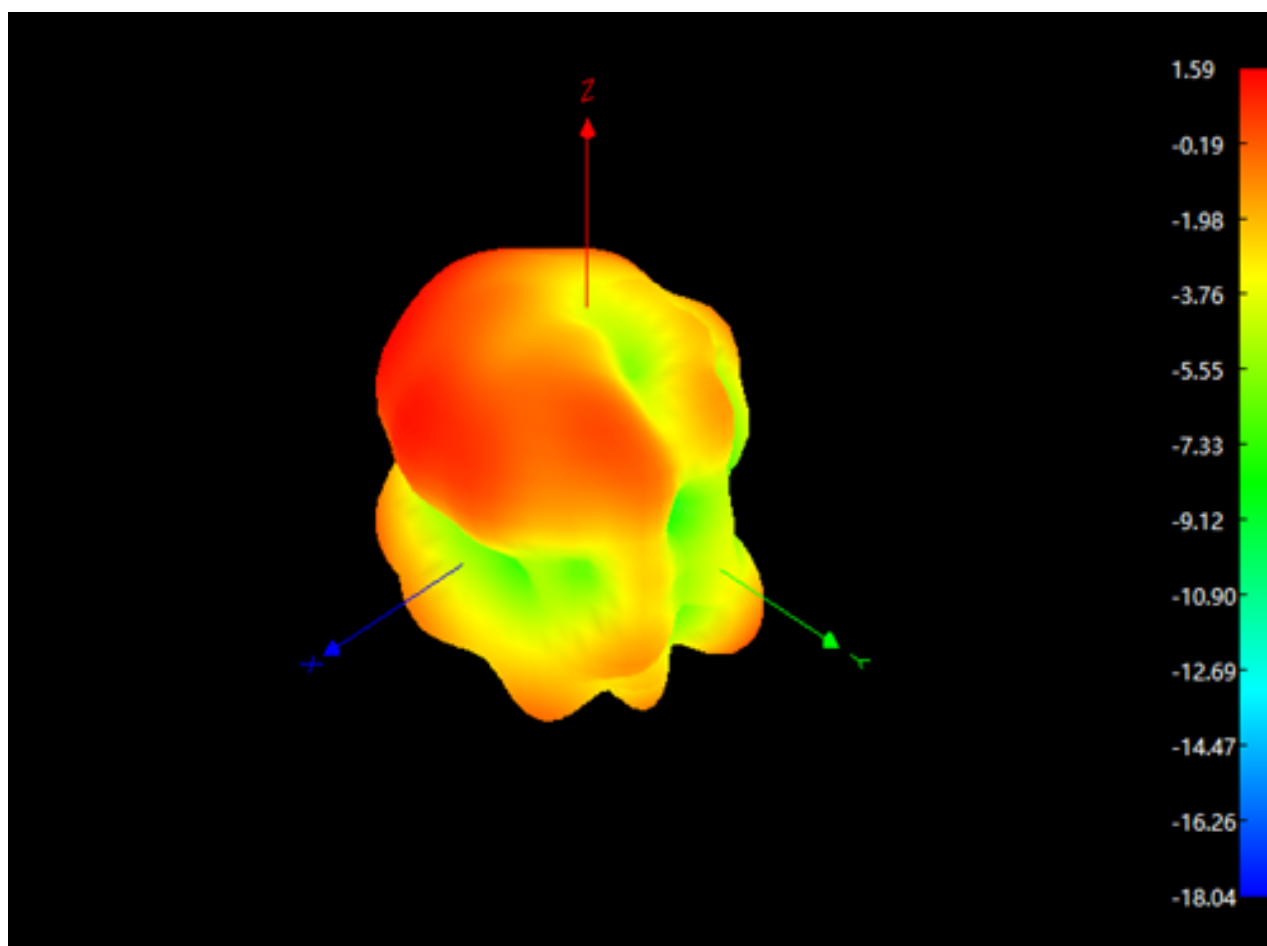


Theta 90°



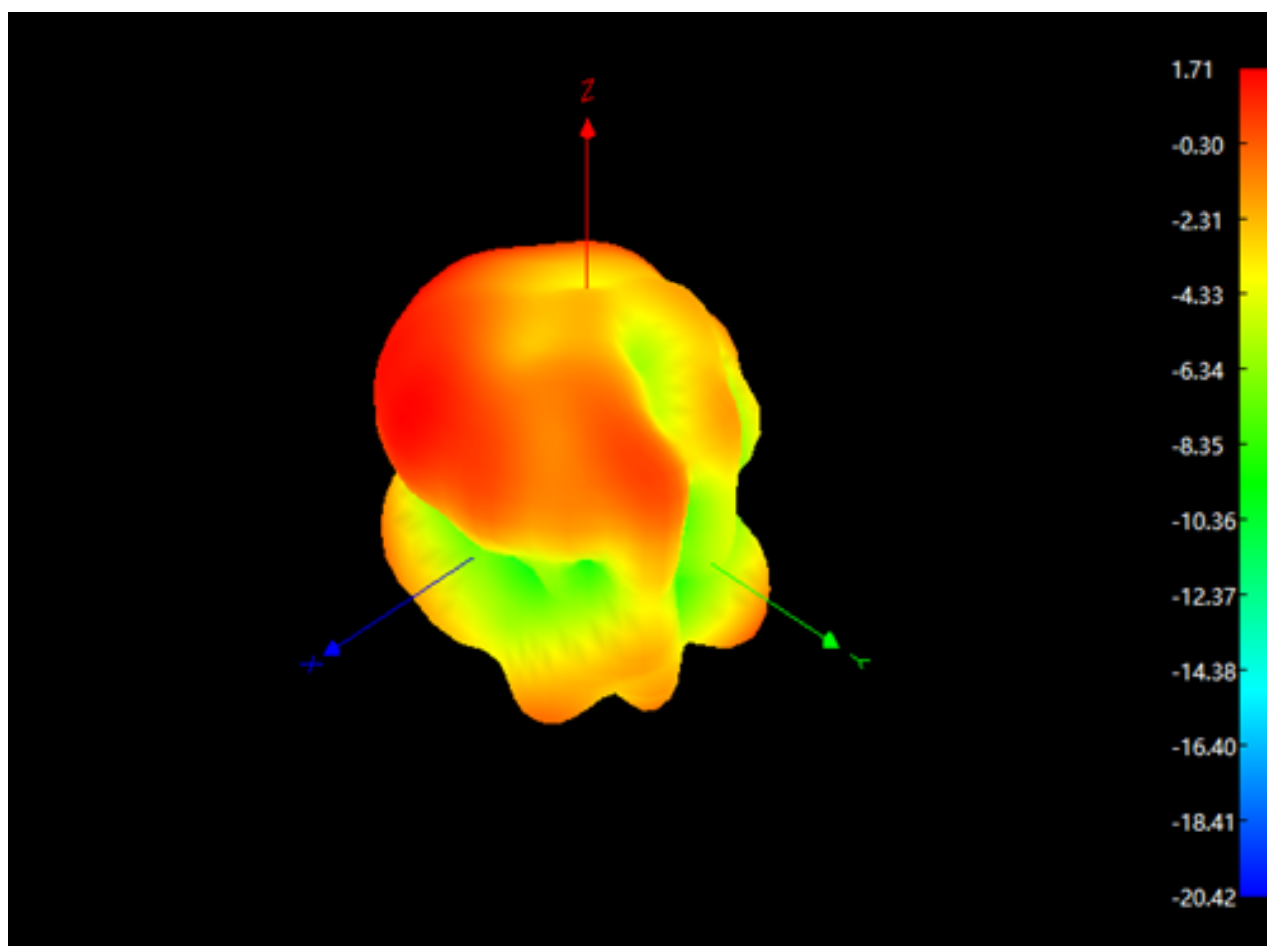


Radiation Pattern For ZigBee Antenna (2400MHz)



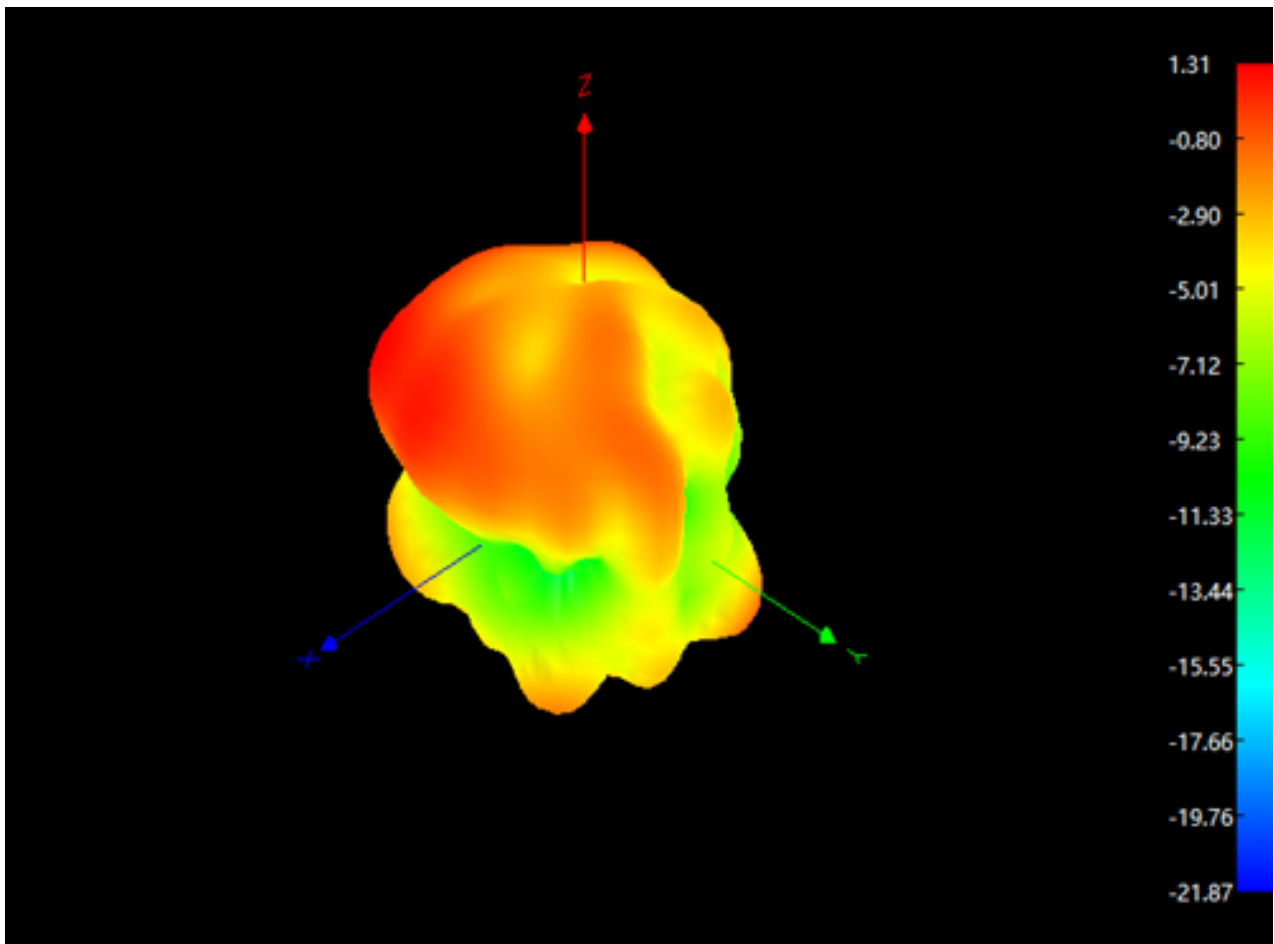


Radiation Pattern For ZigBee Antenna (2450MHz)





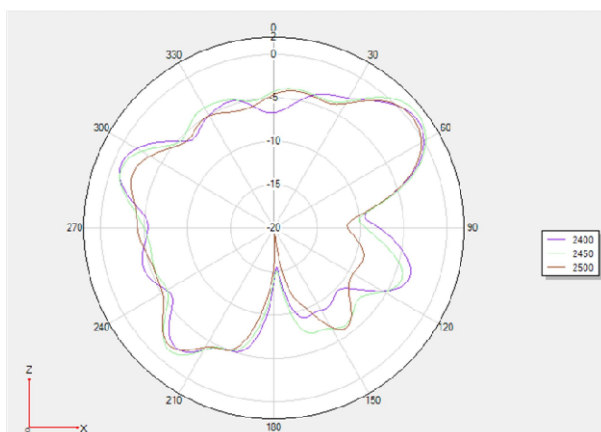
Radiation Pattern For ZigBee Antenna (2500MHz)



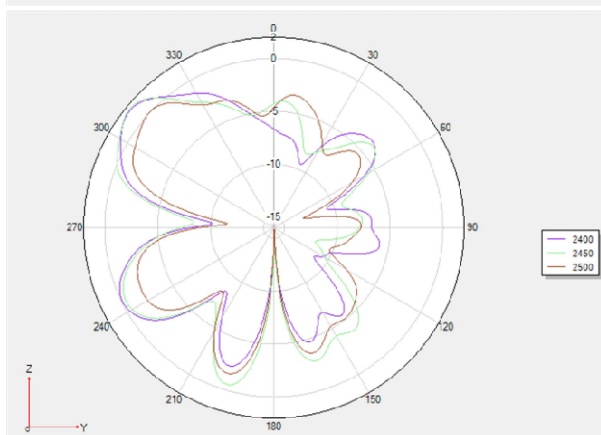


Radiation Pattern For ZigBee Antenna

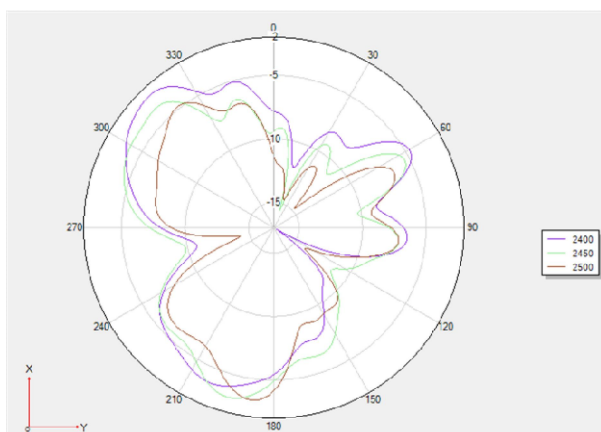
Phi 0°



Phi 90°



Theta 90°

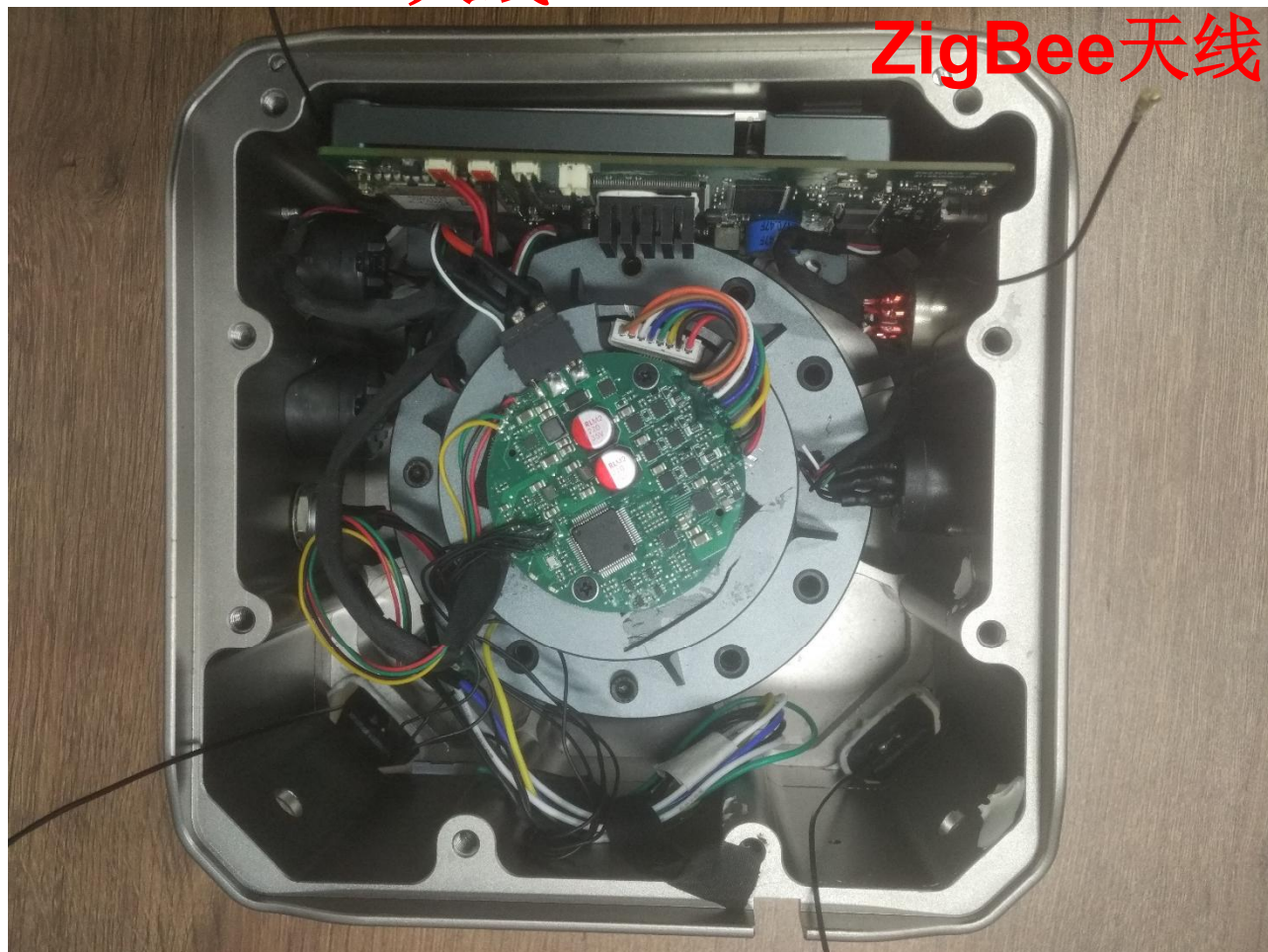




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