



规格承认书

SPECIFICATION FOR APPROVAL

日期
Date 2026/03/14

编号
File No 26031401

版本
Revision 1.0

客 户
CUSTOMER:

道通 AUTEL

客户料号

CUSTOMER NO:

DC2513

品 名

PART NAME:

BT Antenna

供方料号

SUPPLIER NO:

YJI01.005.123.301A

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

ZhangLiqun

HuangTuyong

YJ-RD-F04-A





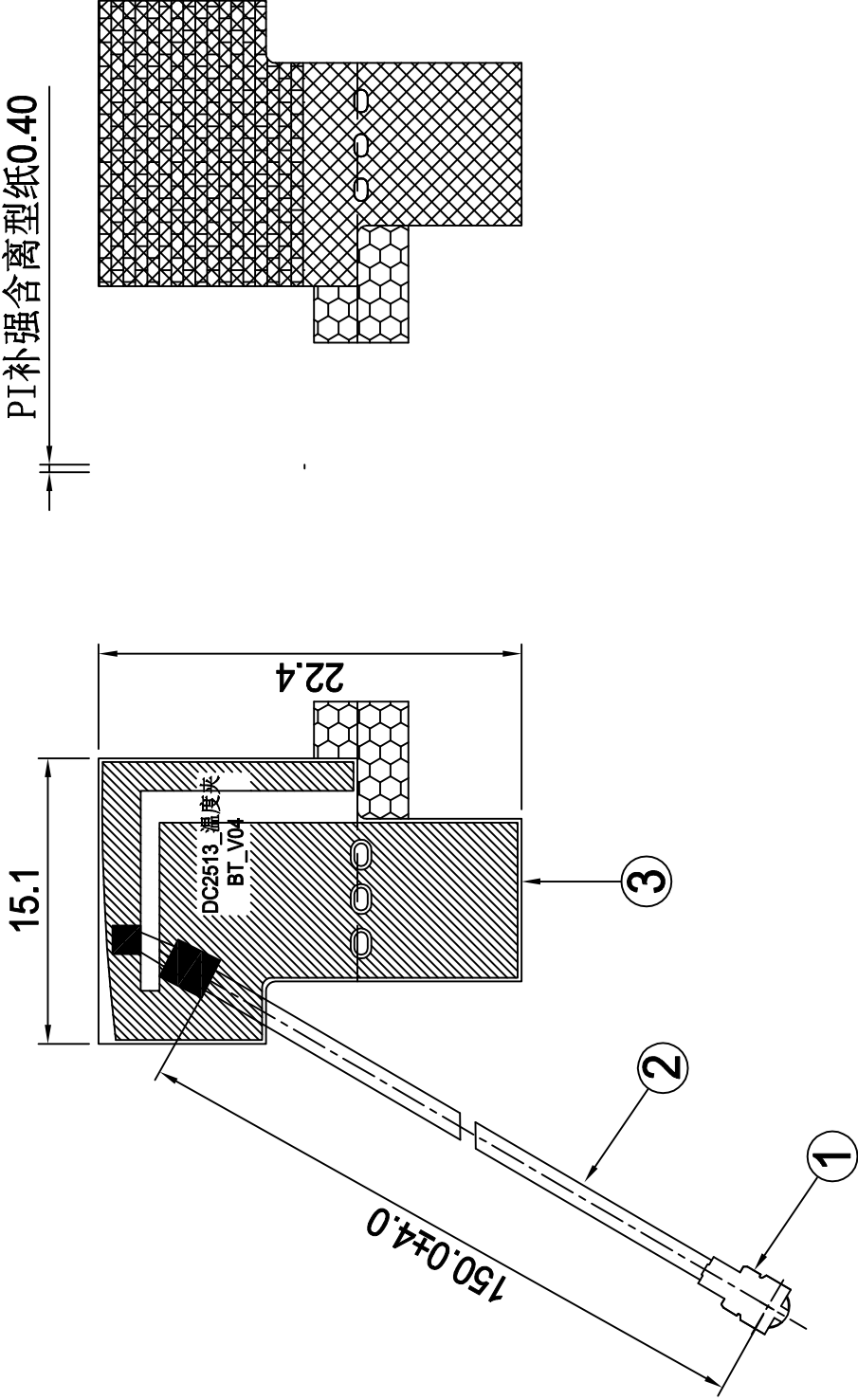
承认书项目表

NO.	内 容 (Contents)	页 数 (Number of Page)	页 码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	天线规格 (Antenna Specification)	1	4
5	S参数测试 (S Parameter)	1	5
6	无源测试 (Passive Test)	2	6 ~ 7
7	方向图 (Radiation Pattern)	3	8 ~ 10
8	有源测试 (Active Test)	2	11 ~ 12
9	天线装配图 (Antenna Profile)	4	13 ~ 16
10	材质证明 (Material Certificate)	44	17 ~ 60
11	RoHS报告 (RoHS Test Report)	**	**
12	N/A	N/A	N/A
13	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.	DESCRIPTION	DATE
A	首次发行	2026-03-19



EG 东莞市一佳电子科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO.,LTD

PART NAME: BT Antenna			
PART NO.: YJI01.005.123.301A		DATE: 2026-03-19	
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance
殷涛	唐国浩	黄土勇	X.X ±0.50
			UNITS: mm
			SCALE: 1/1
			REVISION: A
			X° ±3°

3	FPCB	15.1*22.4MM	FPCB	I01.005.123.FPC0101T	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	COA10002A.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格
Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.9 dBi
Radiation	Omni-directional
Polarization	Linear

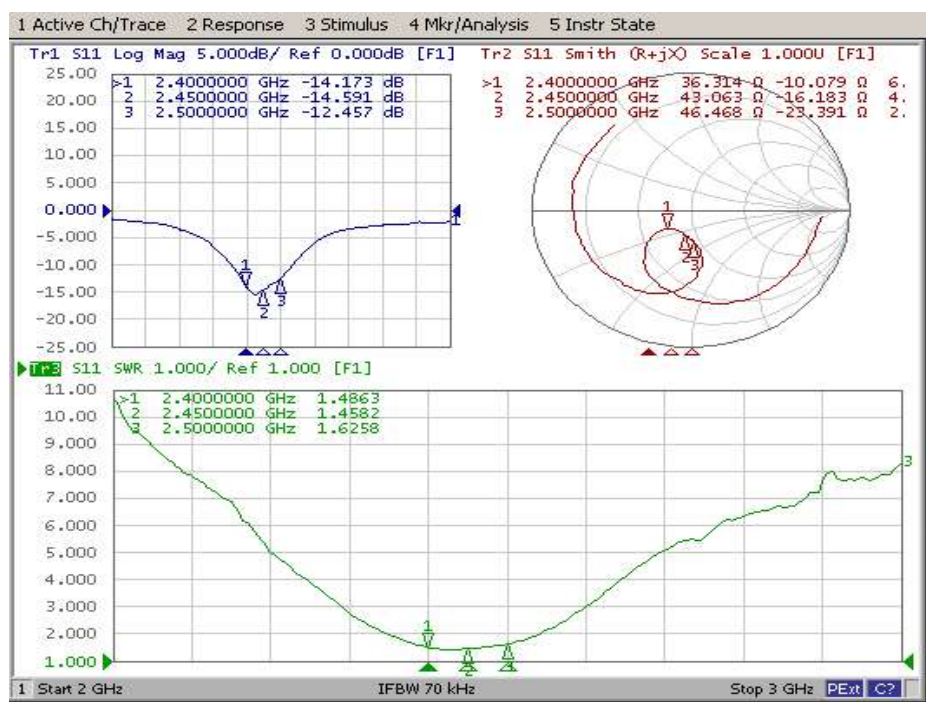
Physical Properties

Connector	IPEX-1
Cable Type	O.D.1.13mm
Cable Length	150mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



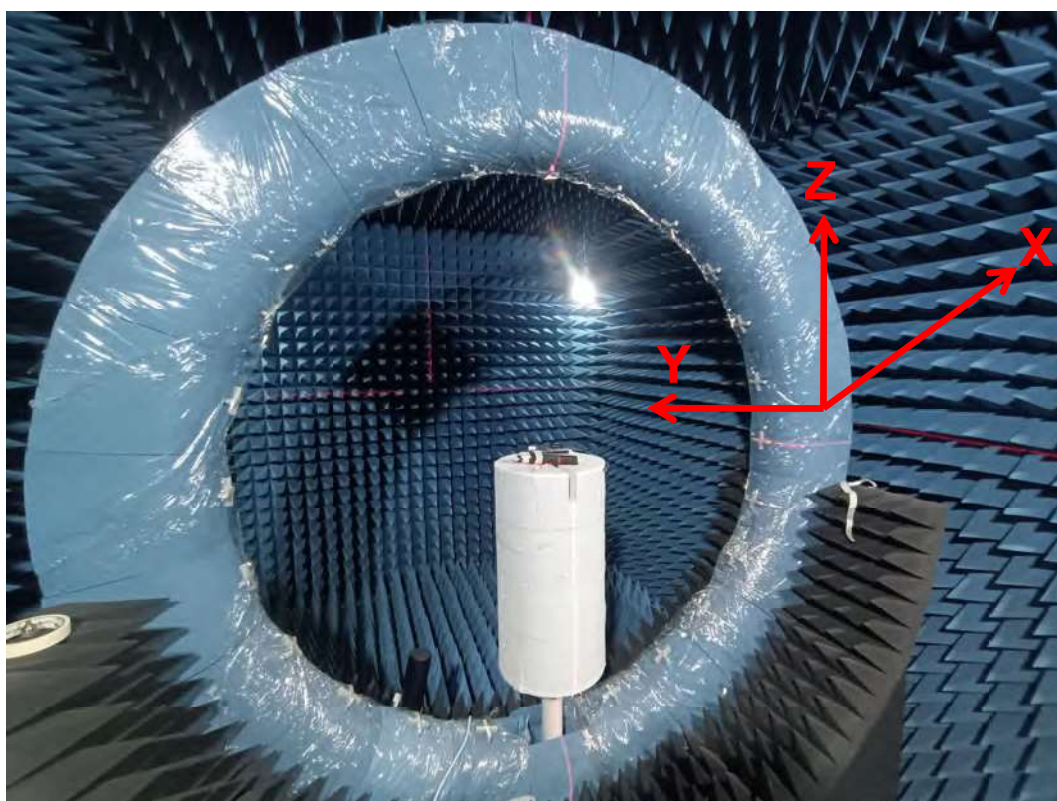
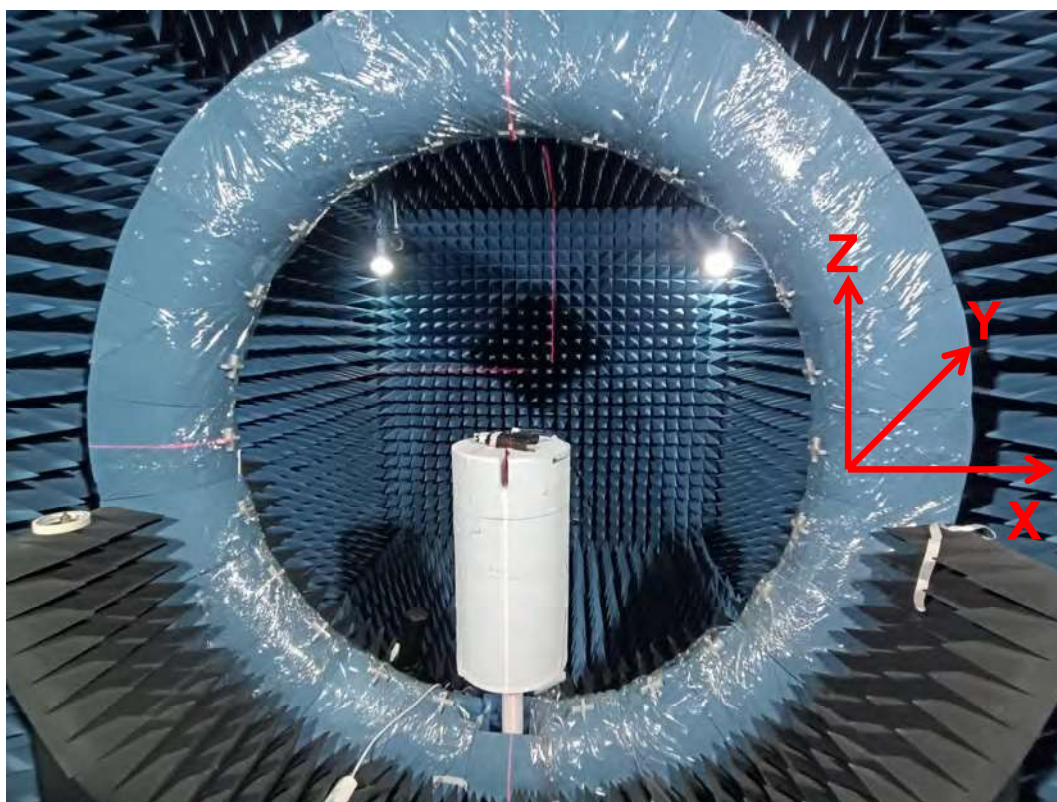
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
BT
Antenna*





Antenna Passive Test





Passive Test For BT Antenna(2.4G)

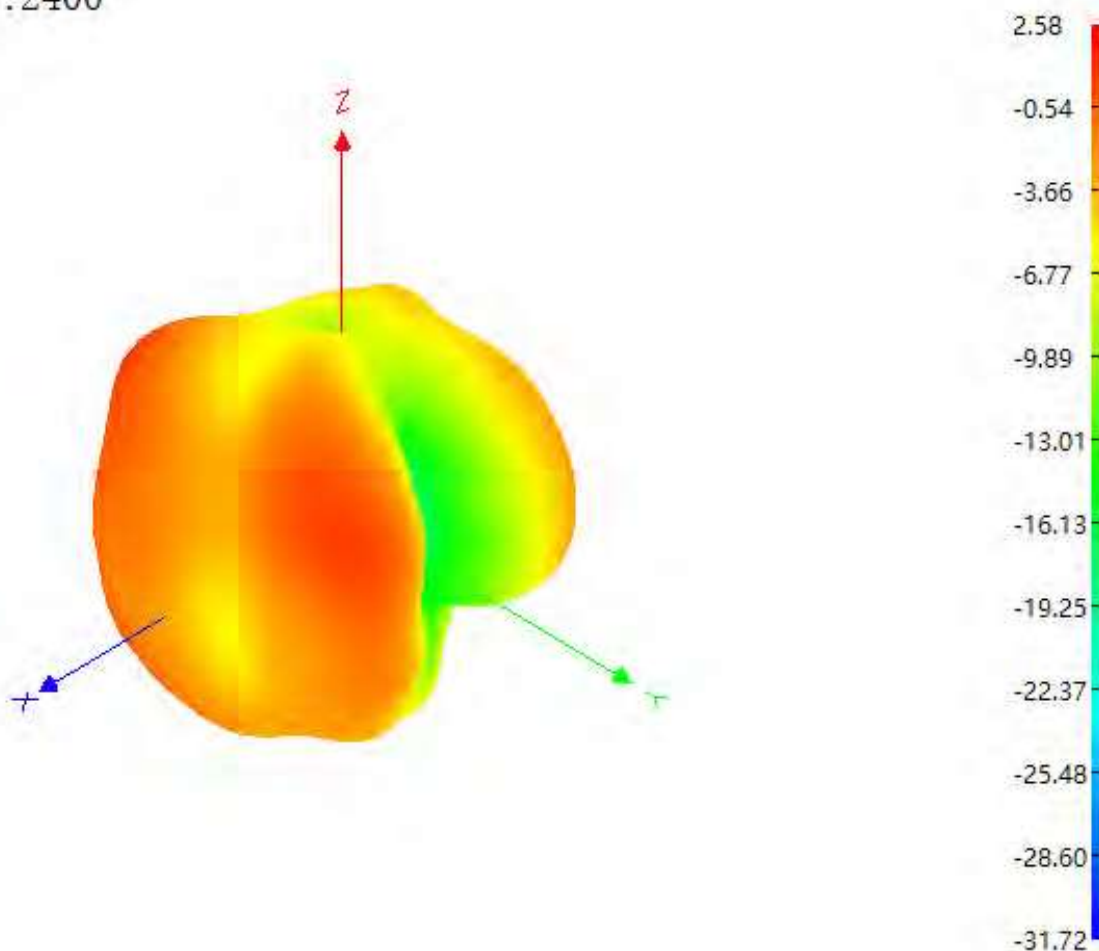
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	61.5	-2.1	2.6
2410	62.8	-2.0	2.7
2420	63.0	-2.0	2.8
2430	63.5	-2.0	2.8
2440	64.6	-1.9	2.9
2450	65.8	-1.8	2.9
2460	67.3	-1.7	2.9
2470	65.0	-1.9	2.7
2480	62.2	-2.1	2.4
2490	61.1	-2.1	2.2
2500	57.2	-2.4	1.8





Radiation Pattern For BT Antenna (2400MHz)

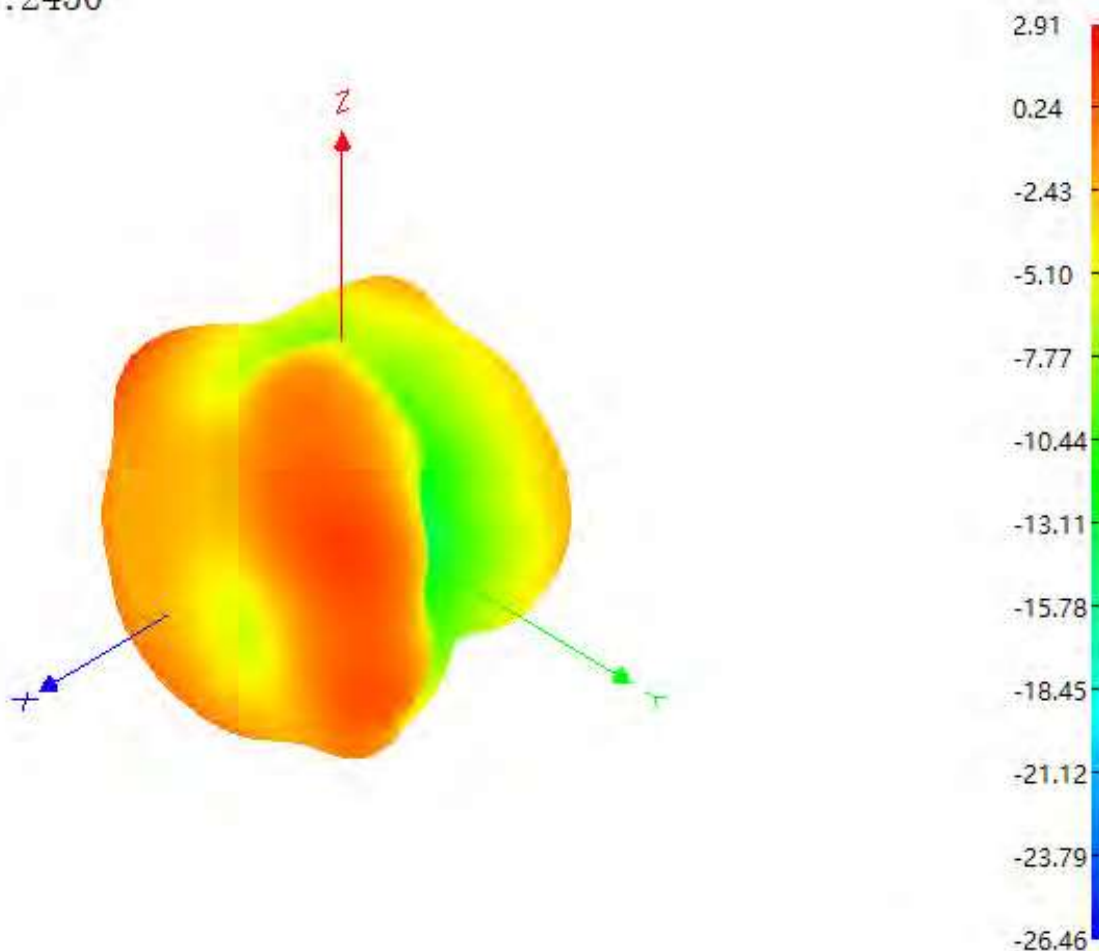
Frequency (MHz) :2400





Radiation Pattern For BT Antenna (2450MHz)

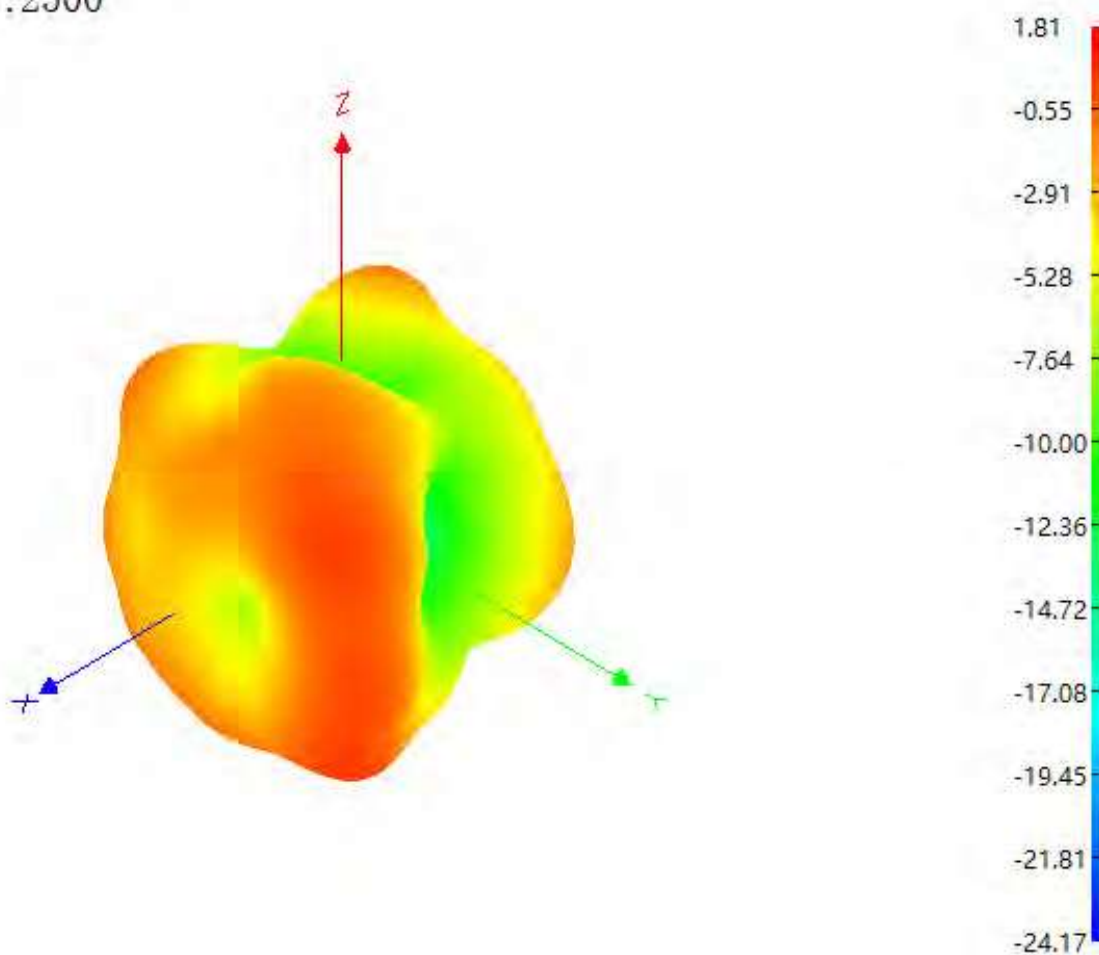
Frequency (MHz) :2450





Radiation Pattern For BT Antenna (2500MHz)

Frequency (MHz) :2500





东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Antenna Active Test



Tel:0769-82586086 Fax:0769-82586086



Active Test For BT

Band	Channel	TRP	EIRP	TIS	EIS
Blue Tooth Band 0	0	4.7	9.8	-89.7	-94.8
	39	4.9	9.5	-88.9	-93.6
	78	4.3	8.7	-87.9	-92.3



Device



*BT
Antenna*

