



厦门中星宇科技有限公司

规格承认书

SPECIFICATION FOR APPROVAL

日期 2020/04/16
Date

编号 20041604
File No

版本 1.0
Revision

客 户

CUSTOMER: _____

客户料号 3.WY.0185

CUSTOMER NO: _____

品 名 2.4G Antenna

PART NAME: _____

供方料号 YJW01.128.001.110A

SUPPLIER NO: _____

送样日期Date:

送样数量Q “TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

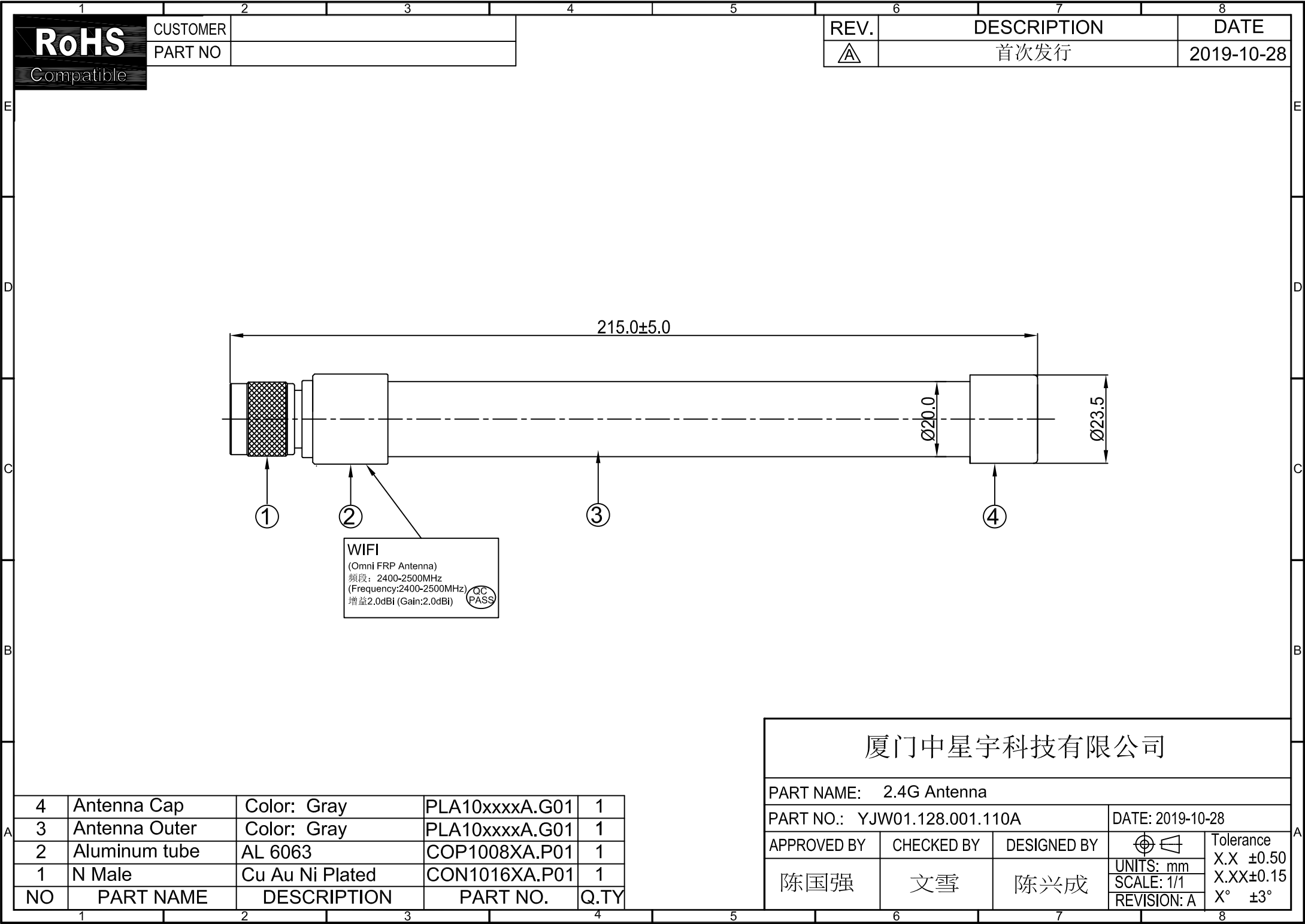
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	WenXue	ChenXingcheng

YJ-RD-F04-A

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
Yuanfu Industrial Zone, 59 Muyu Road, Shatou Community, Changan Town, Dongguan City

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)	1	8
8	天线装配图 (Antenna Profile)	1	9
9	材质证明 (Material Certificate)	**	**
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-



4	Antenna Cap	Color: Gray	PLA10xxxxA.G01	1
3	Antenna Outer	Color: Gray	PLA10xxxxA.G01	1
2	Aluminum tube	AL 6063	COP1008XA.P01	1
1	N Male	Cu Au Ni Plated	CON1016XA.P01	1
NO	PART NAME	DESCRIPTION	PART NO.	Q.TY

厦门中星宇科技有限公司				
PART NAME: 2.4G Antenna				
PART NO.: YJW01.128.001.110A			DATE: 2019-10-28	
APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
陈国强	文雪	陈兴成		

天线规格

Antenna Specification

Electrical Properties

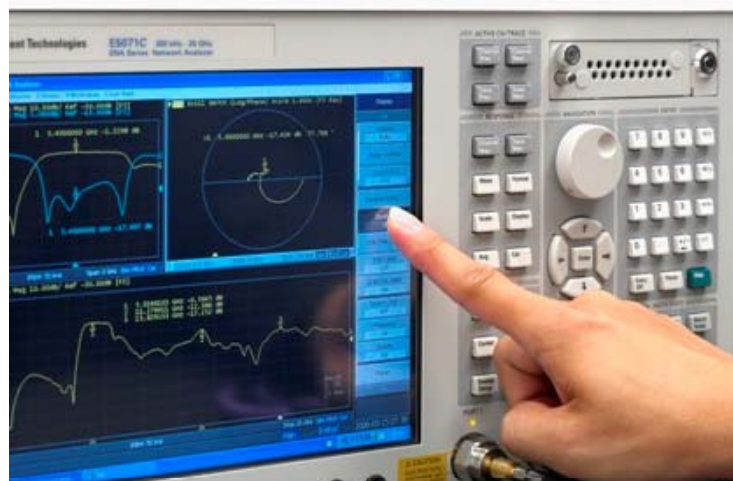
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.8dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

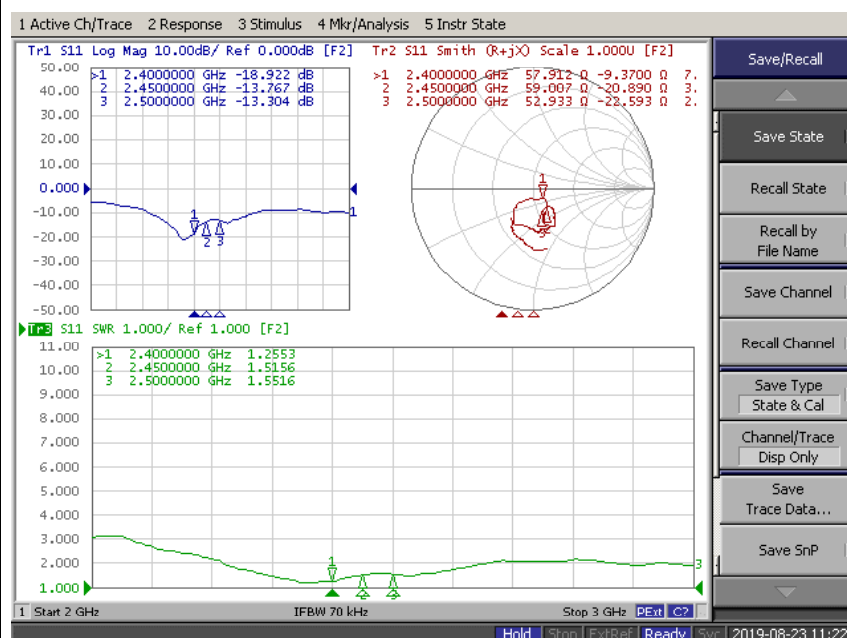
Connector	N Male
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40~ +85 °C

Antenna Performance Test

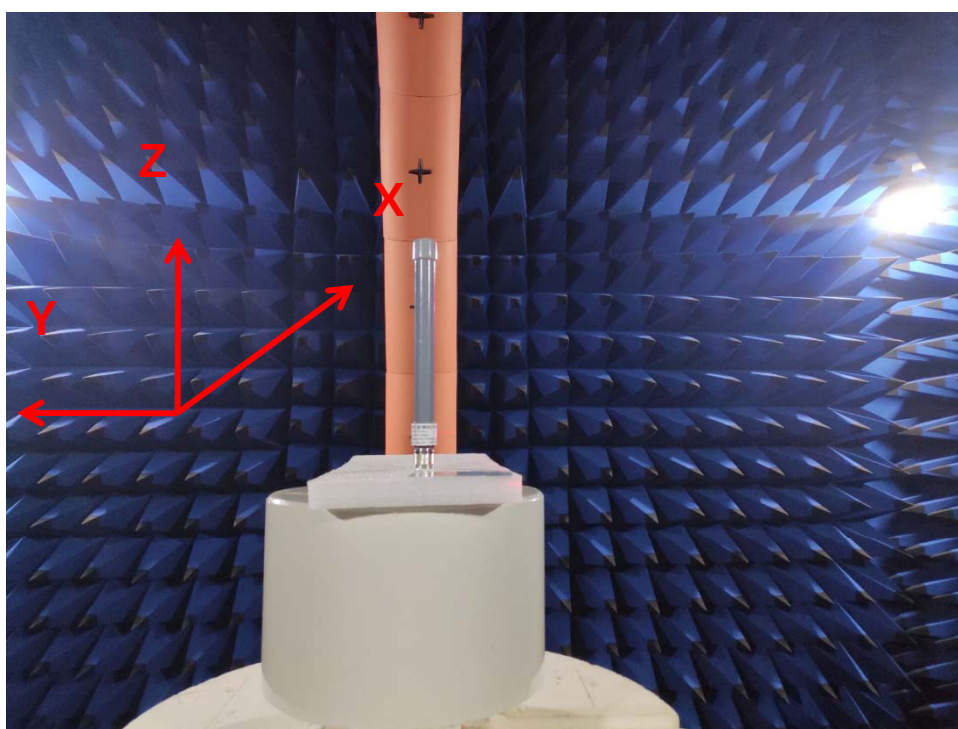
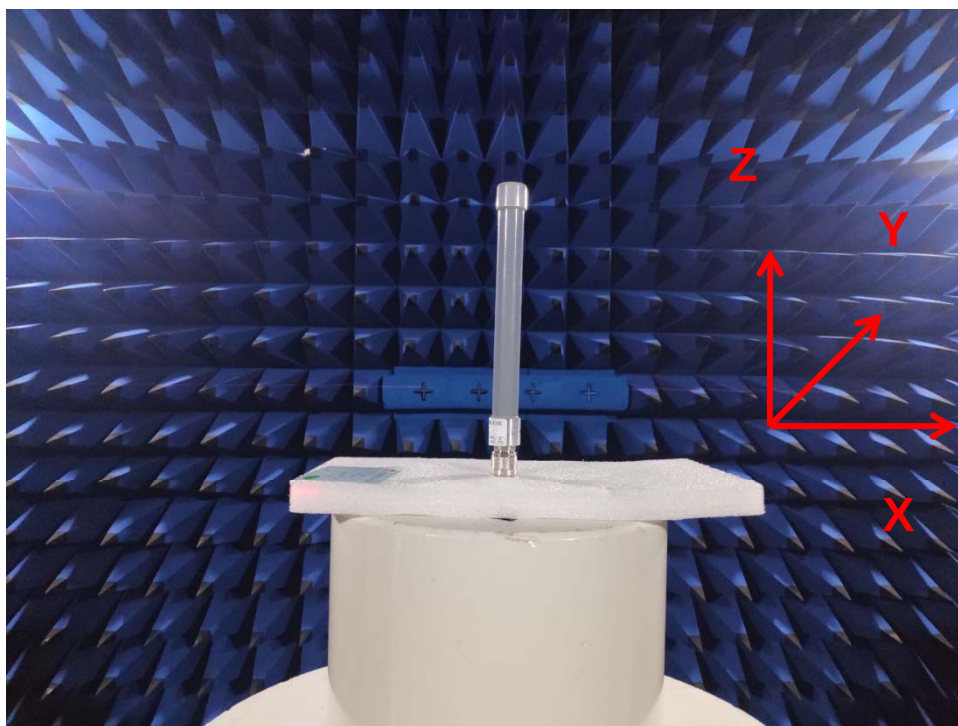
**Agilent
E5071B**



**S
Parameter
Test //
WiFi2.4G**



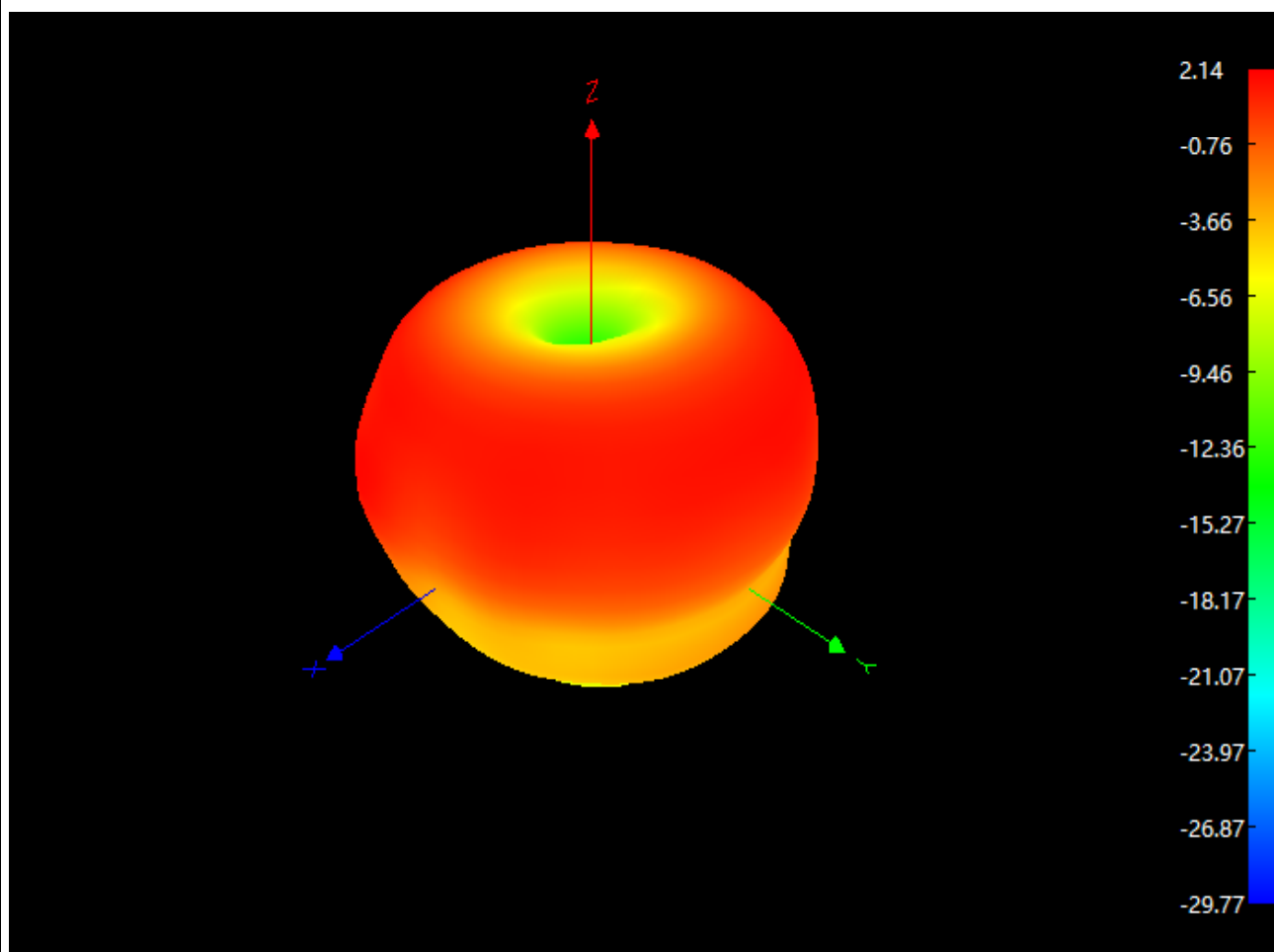
Antenna Passive Test



Passive Test For WiFi2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	73.5	-1.3	2.6
2410	75.2	-1.2	2.8
2420	76.7	-1.2	2.8
2430	75.7	-1.2	2.4
2440	73.0	-1.4	1.9
2450	73.6	-1.3	1.7
2460	72.8	-1.4	1.8
2470	71.1	-1.5	1.9
2480	70.6	-1.5	1.9
2490	73.3	-1.4	2.0
2500	74.6	-1.3	2.1

Radiation Pattern For 2500MHz



Antenna
WiFi
2.4G

