



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2022/11/30
编号 File No	22113001
版本 Revision	1.0

客户
CUSTOMER: 天波 Telepower

客户料号
CUSTOMER NO: K8

品名
PART NAME: WIFI Antenna L=170mm MHF

供方料号
SUPPLIER NO: YJW01.076.198.301A

送样日期Date: 送样数量Q “TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

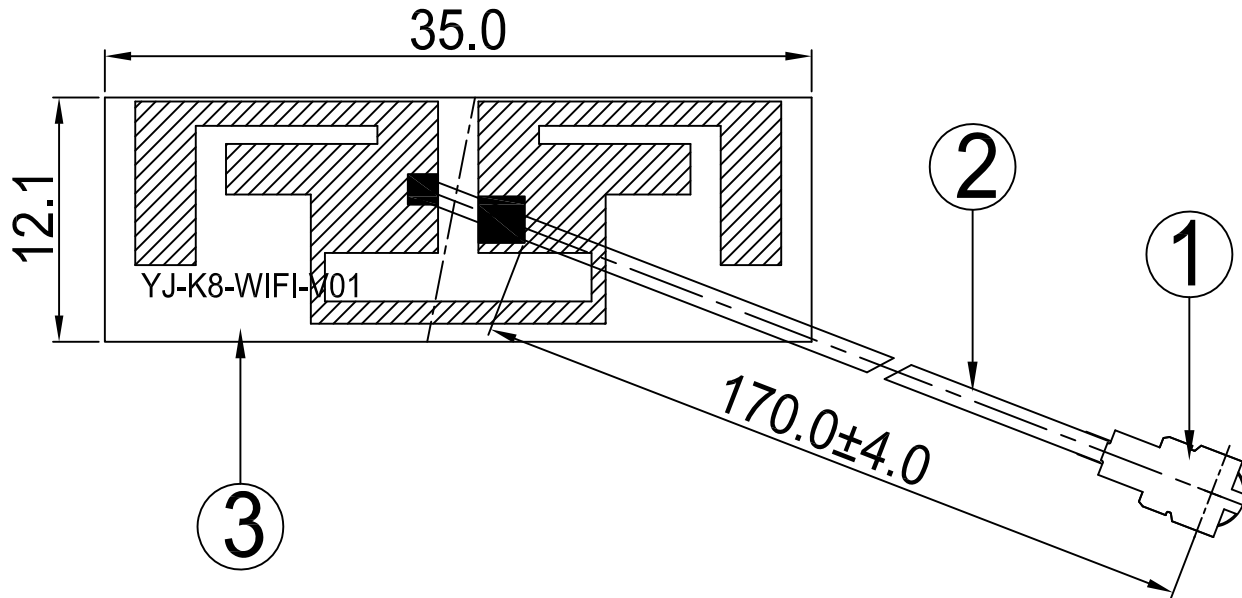
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

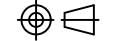
RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△		2022-03-04




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: WIFI Antenna L=170mm MHF			DATE: 2022-03-04	
PART NO.: YJW01.076.198.301A				
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°	
			UNITS: mm	
			SCALE: 1/1	
			REVISION: A	

3	FPC	35.0*12.1mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

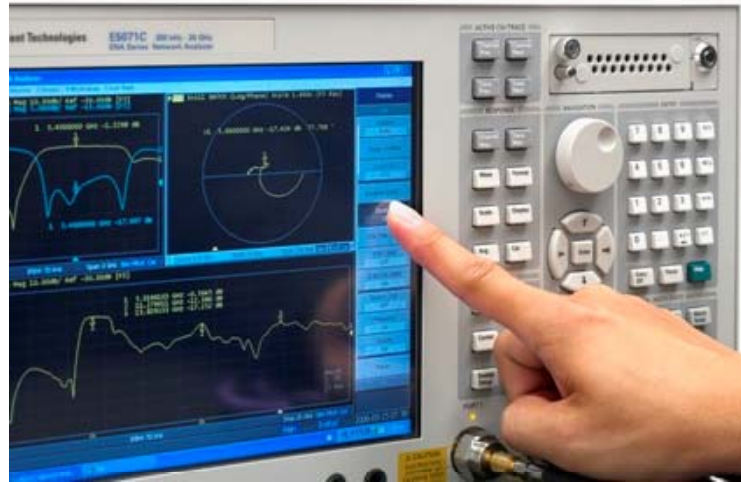
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	170mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25 ± 5 °C / <70%

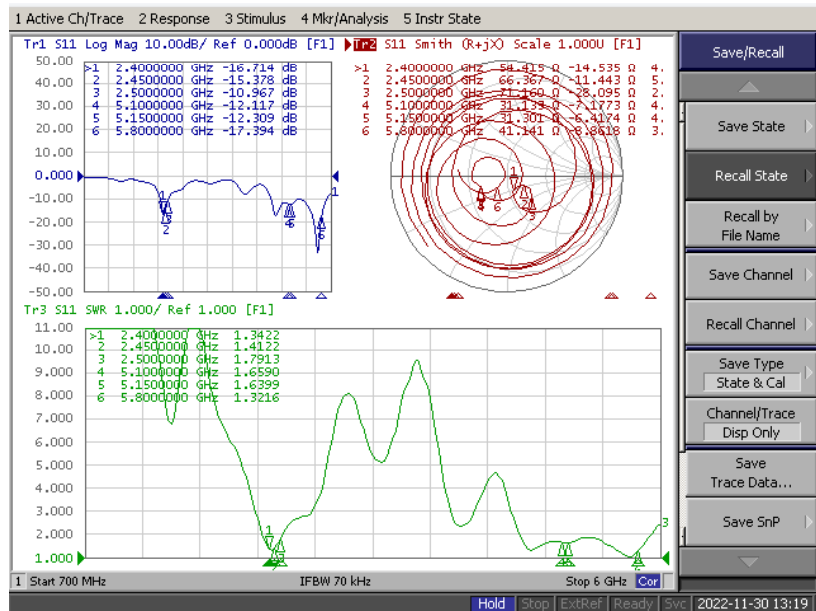


Antenna Performance Test

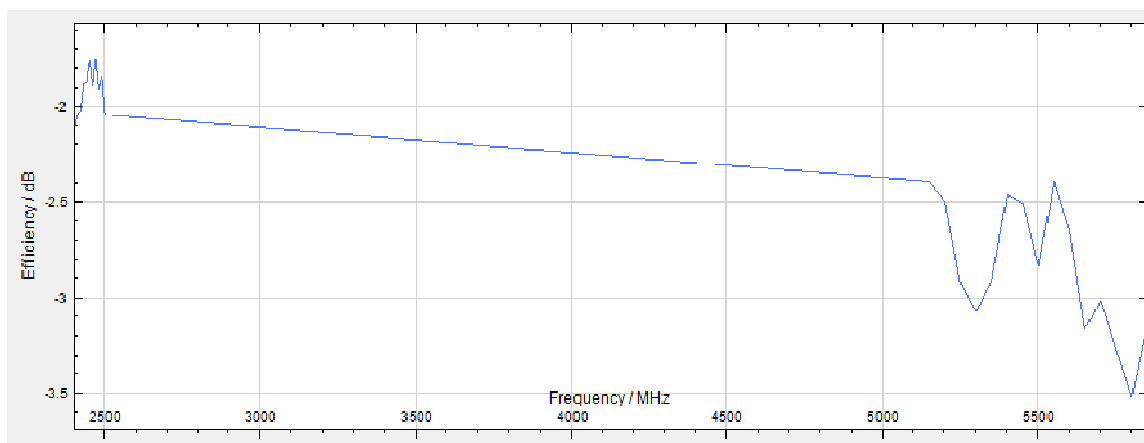
**Agilent
E5071B**



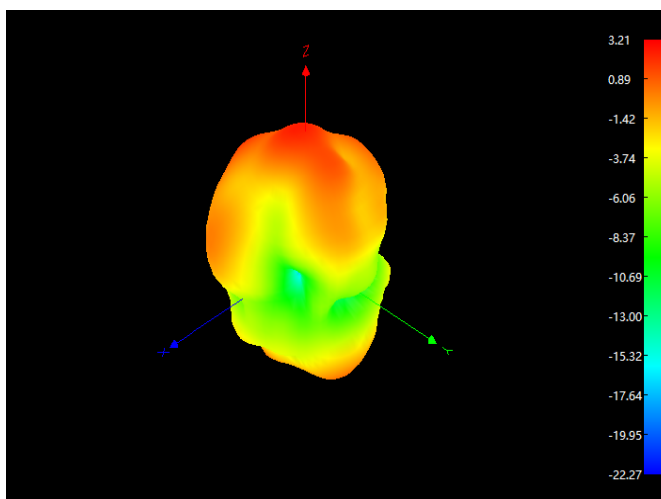
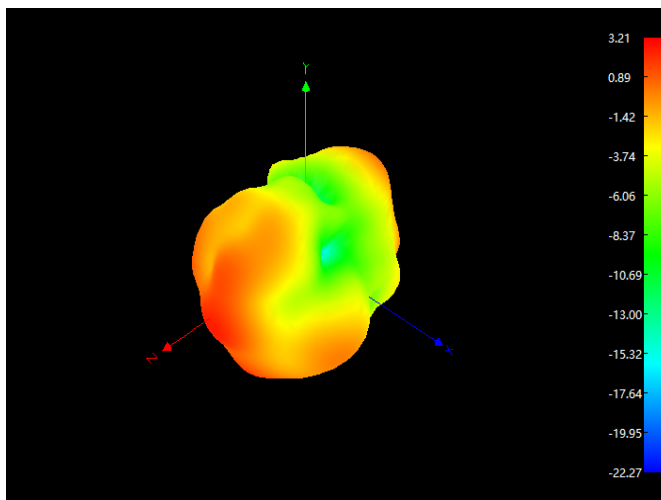
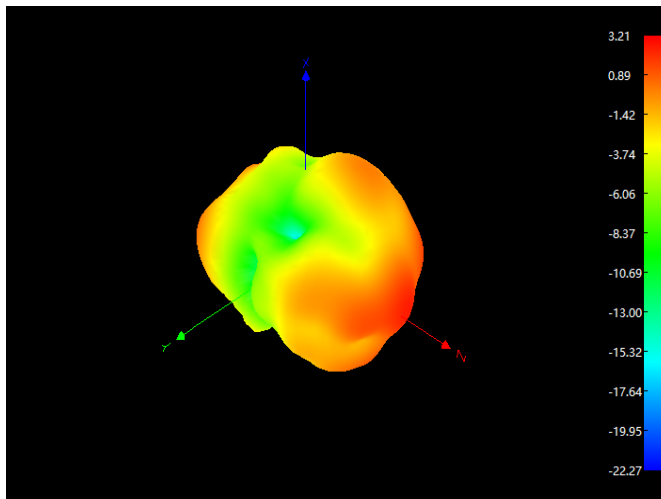
**S
Parameter
Test //
WiFi
Antenna**



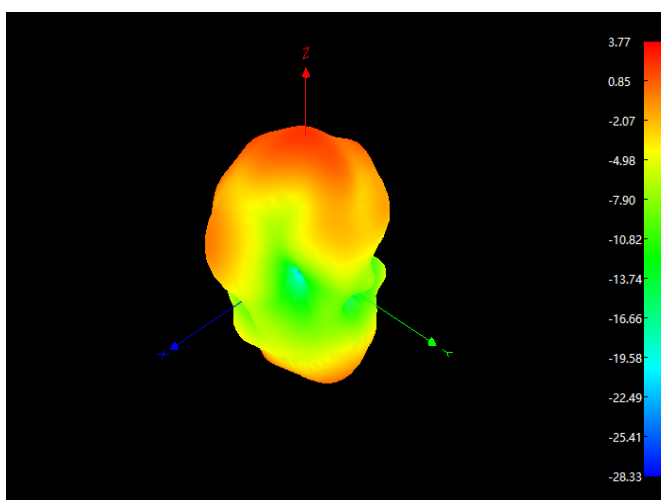
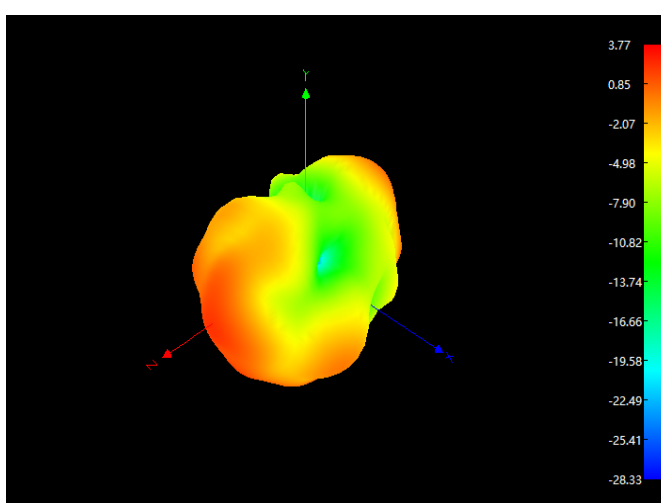
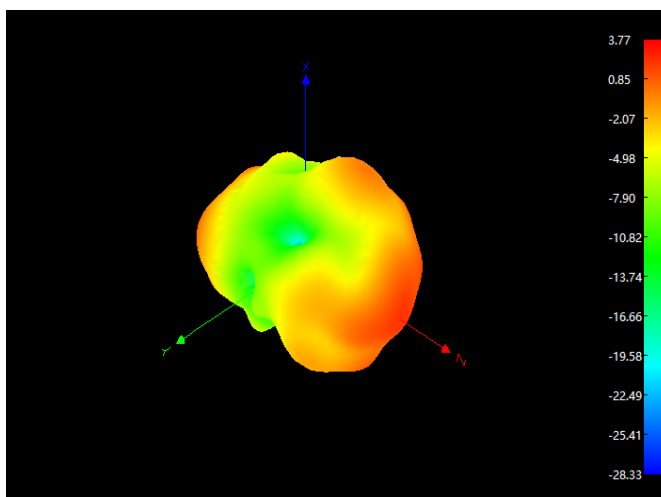
Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBi
2400	61.52	-2.11	3.21
2410	62.52	-2.04	3.43
2420	62.81	-2.02	3.55
2430	64.86	-1.88	3.95
2440	65.01	-1.87	3.67
2450	66.83	-1.75	3.77
2460	64.71	-1.89	3.43
2470	66.99	-1.74	3.78
2480	64.42	-1.91	3.72
2490	65.46	-1.84	4.17
2500	62.52	-2.04	3.88
5150	57.68	-2.39	2.93
5200	56.36	-2.49	3.07
5250	51.05	-2.92	2.46
5300	49.32	-3.07	2.44
5350	51.17	-2.91	2.29
5400	56.75	-2.46	3.03
5450	56.23	-2.5	2.93
5500	52.12	-2.83	3.21
5550	57.68	-2.39	3.75
5600	54.33	-2.65	3.28
5650	48.31	-3.16	3.04
5700	50	-3.01	3.57
5750	47.1	-3.27	3.66
5800	47.56	-3.23	3.48
5850	48.64	-3.13	3.95



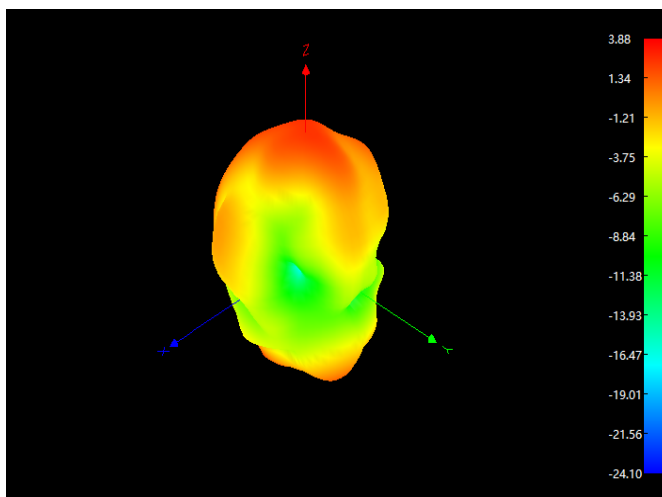
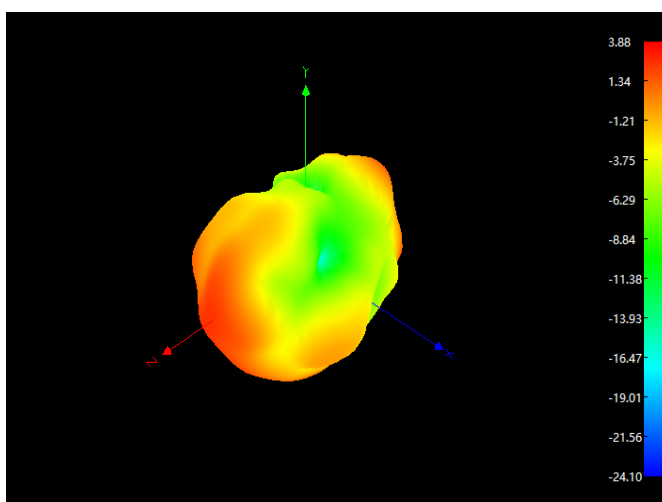
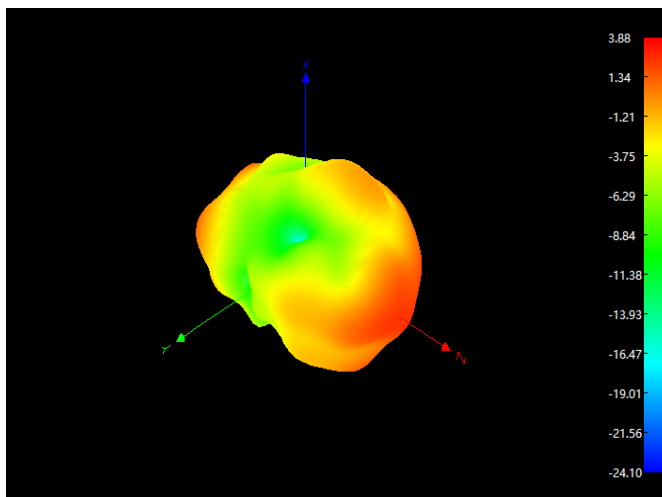
2400MHz



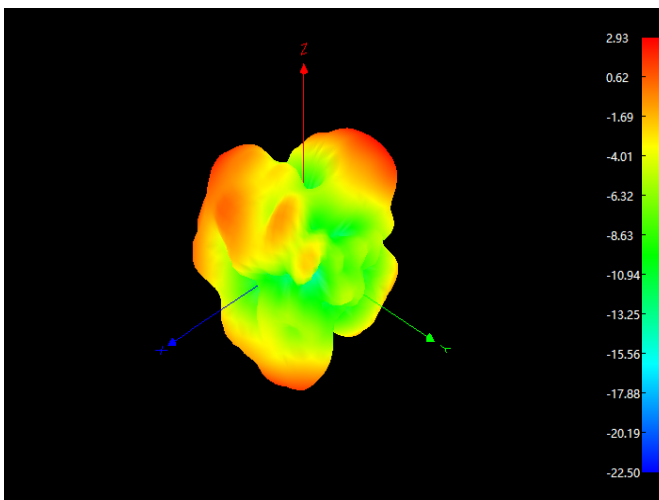
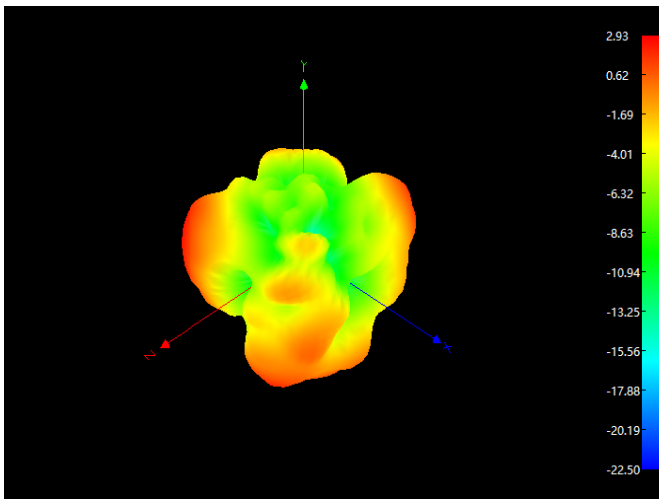
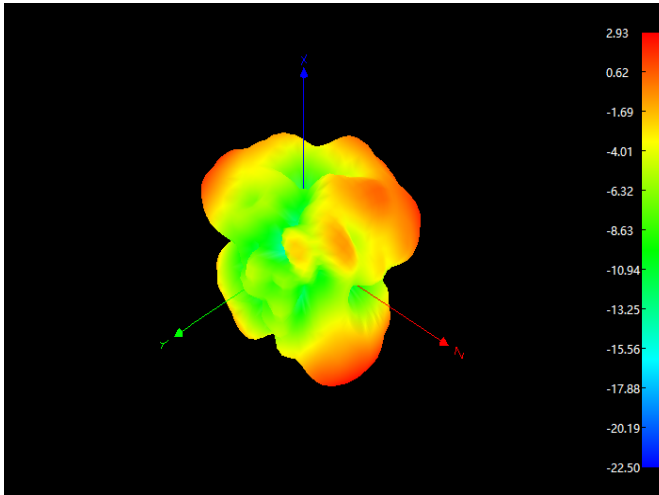
2450MHz



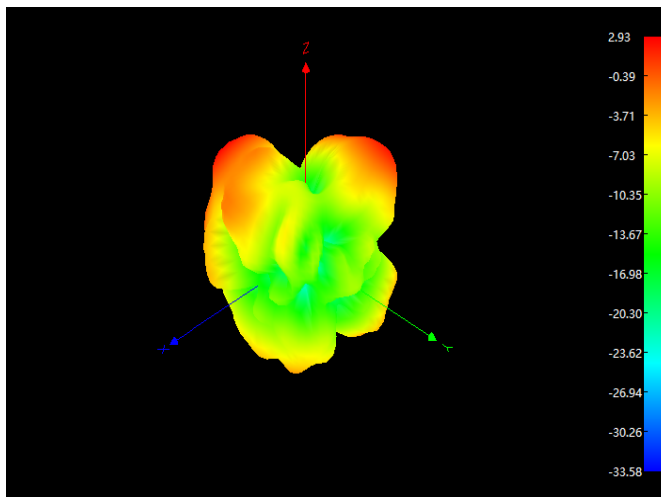
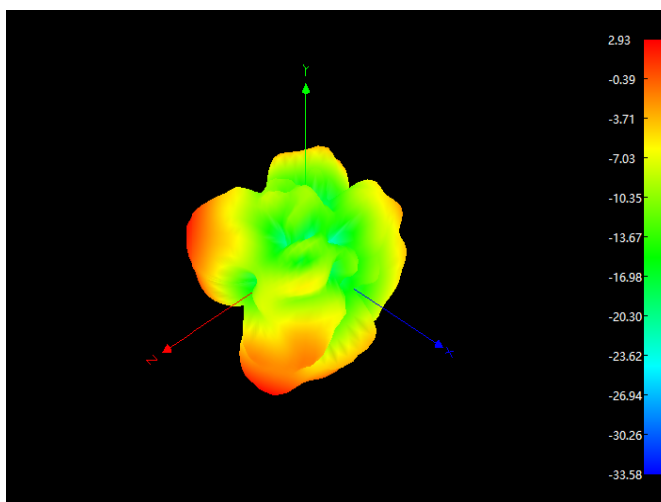
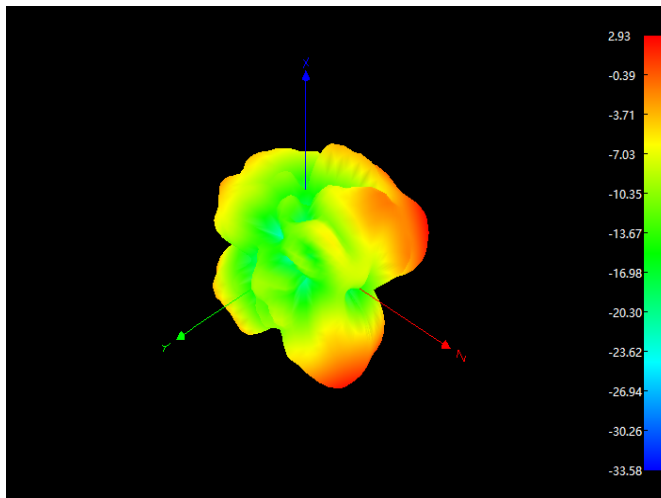
2500MHz



5150MHz



5450MHz



5700MHz

