



福州市瀚宇正达电子有限公司

Word Easy Electronics Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2022/10/20

Date

编号 22102001

File No

版本 1.0

Revision

客 户

NEXhome Smart Technologies Co.,Ltd.

CUSTOMER:

客户料号

DH-E20S

CUSTOMER NO:

品 名

WIFI/BT Antenna L=67mm MHF

PART NAME:

供方料号

WE007N.F0127.V01

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

Hunter

Zhou Hongtao

Fang

WE-RD-F01-A



承认书项目表

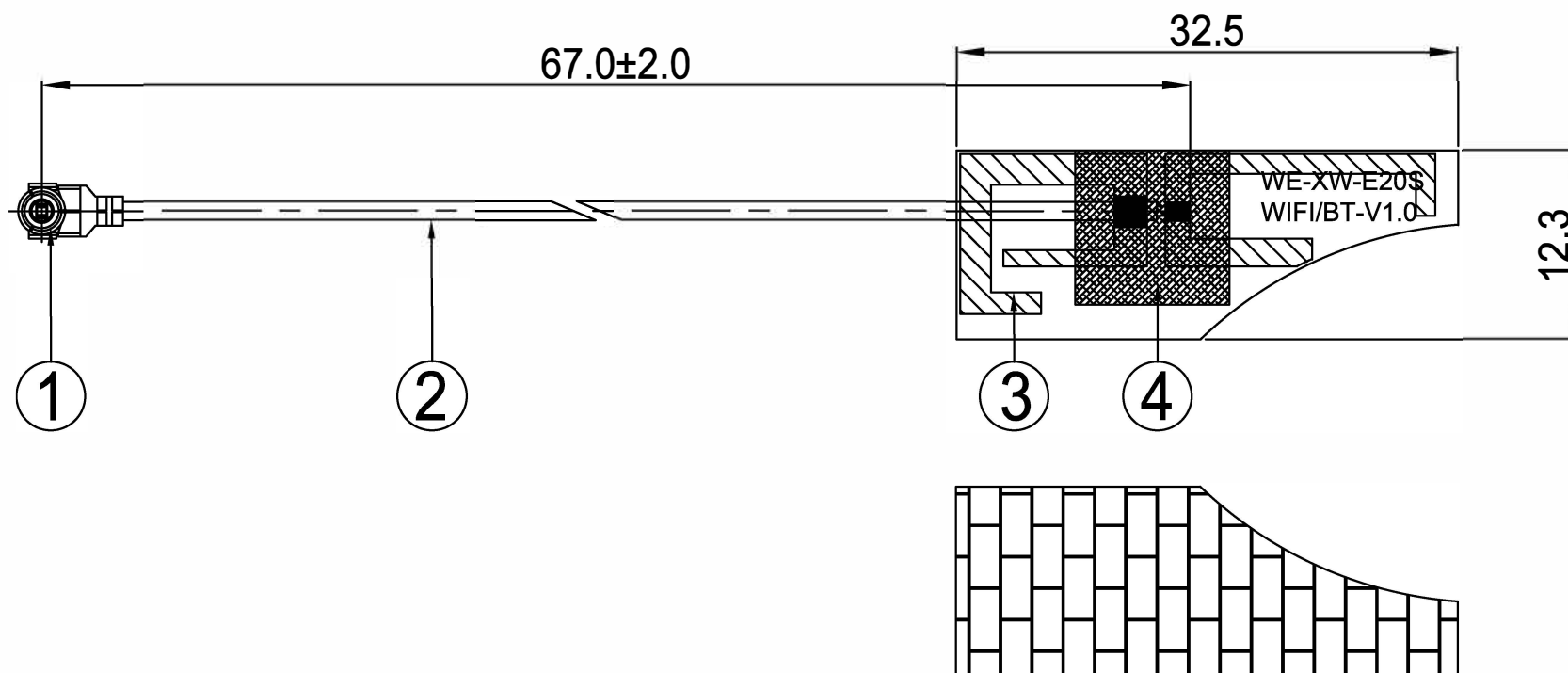
Schedule of Deed Projects

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	天线辐射场型 (Antenna Radiation Pattern)	3	8 ~ 10
8	天线装配图 (Antenna Profile)	2	11 ~ 12
9	RoHS报告 (RoHS Test Report)	**	**
10	N/A	N/A	N/A
11	-	-	-
12	-	-	-

RoHS

Compatible

REV.	DESCRIPTION	DATE
A		2022.09.23
B		2023.02.09



4	Acetate Cloth	10.0*10.0MM	Acetate Cloth	FAB0001.V01	1
3	FPCB	32.5*12.3*T0.4MM	FPCB	FPC0305.V01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	CAB0113.V01	1
1	Mini Connector	Au Plated 1代	Cu	MET0XD1.V01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

 福州市瀚宇正达电子有限公司 World Easy Electronics Co.,Ltd.				Tel :0591-22628085 Fax:0591-22627656	
PART NAME: WIFI/BT Antenna L=67mm MHF					
PART NO.: WE007N.F0127.V01				DATE: 2022-09-23	
APPROVED BY	CHECKED BY	DESIGNED BY			Tolerance
					X.X ±0.50
					X.XX±0.15
			REVISION: A		X° ±3°



天线规格

Antenna Specification

Electrical Properties

Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	<1.6
Return Loss	<-14dB
Radiation	Omni-directional
Gain (Peak)	2.5dBi
Polarization	Linear
Connector	1st generation I-PEX

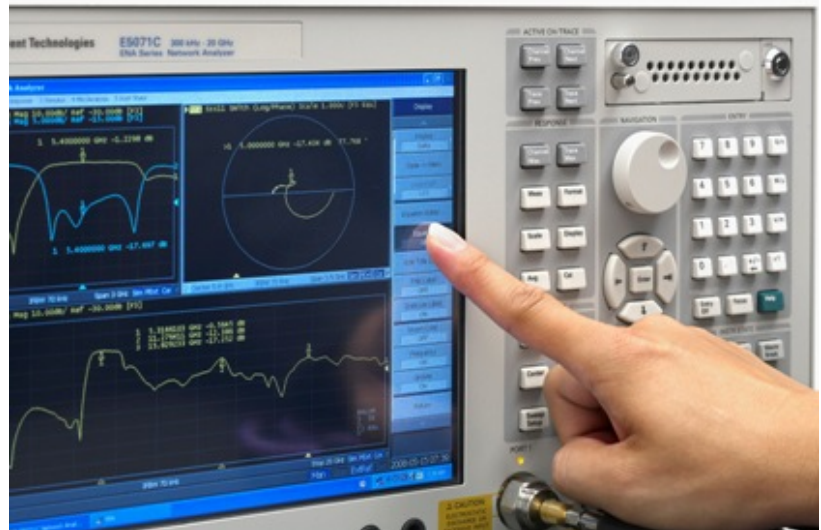
Physical Properties

Antenna Material	FPC
Cable Type	O.D.1.13//L=67mm
Operating Temp.	-30 ~ +60 °C
Storage Temp.	-30 ~ +70 °C
Cable Color	Gray

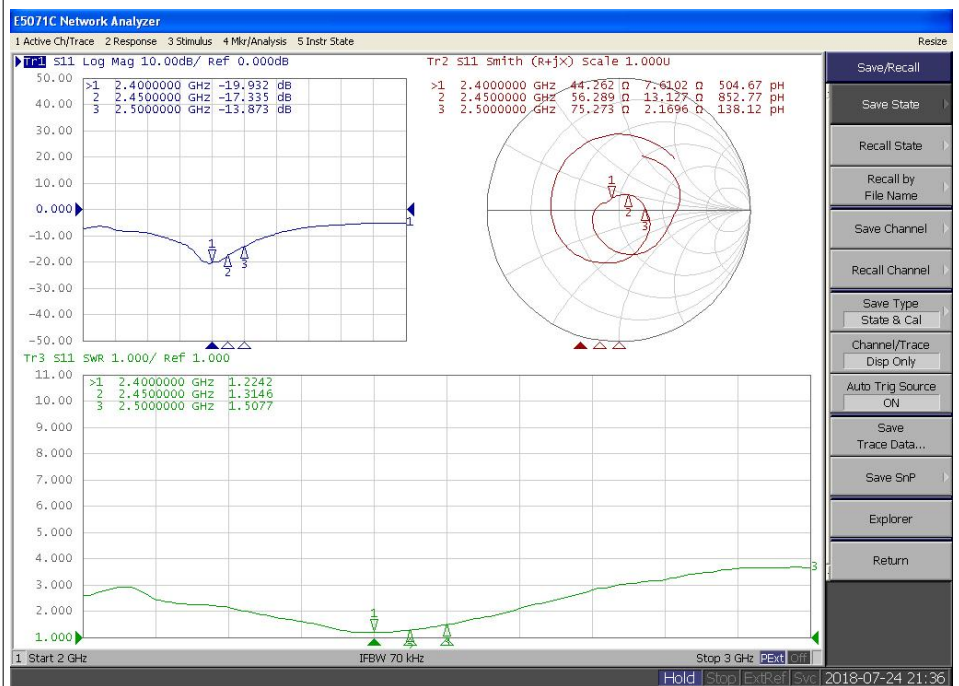


Antenna Performance Test

**Agilent
E5071C**

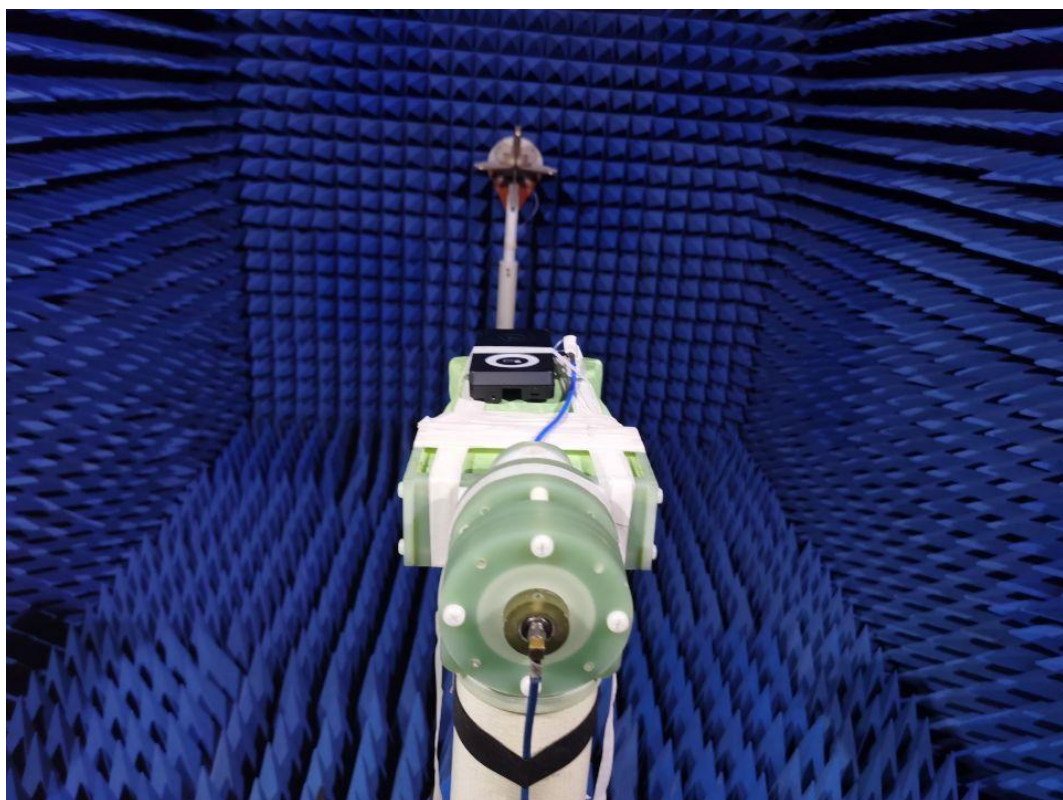
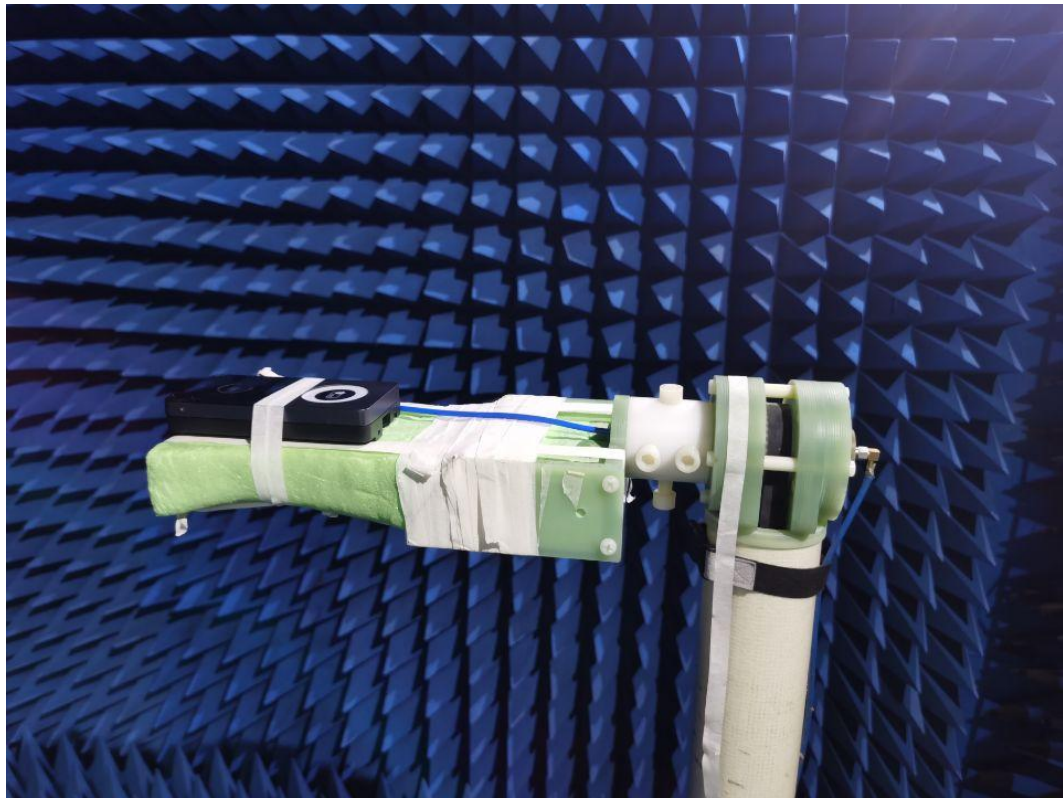


**S
Parameter
Test //
WIFI/BT**





Antenna Passive Test



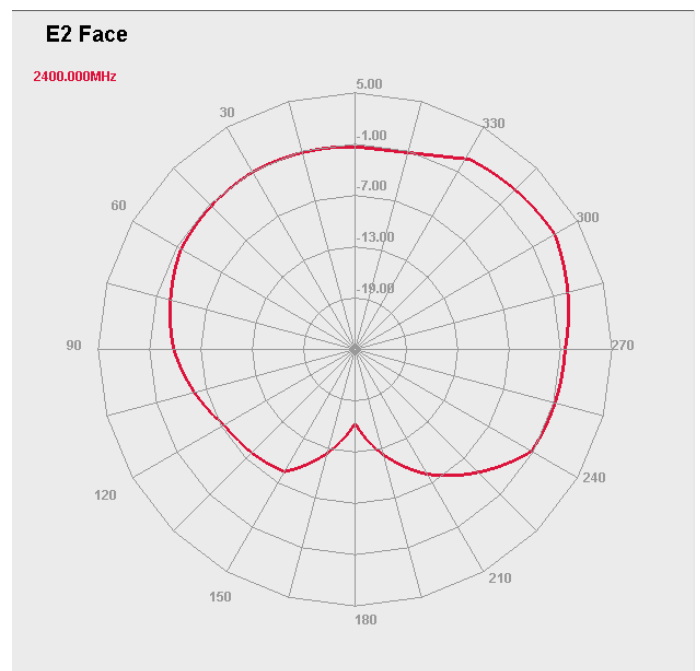
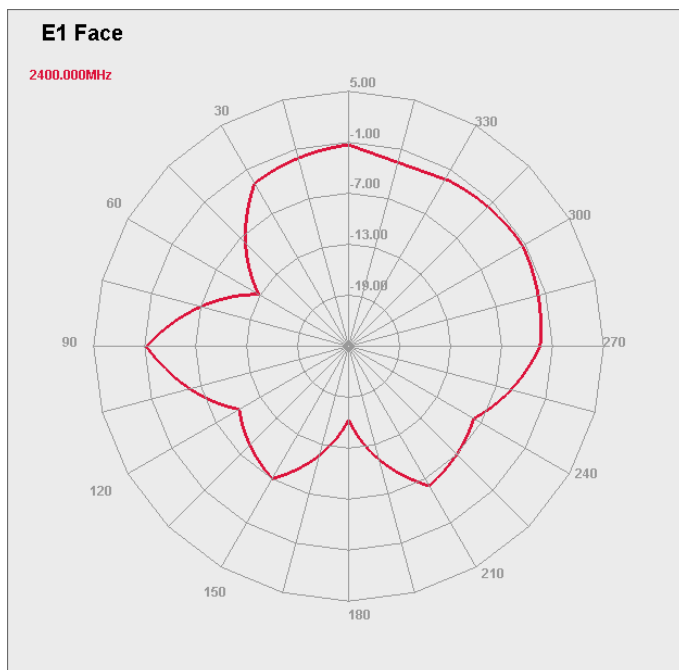
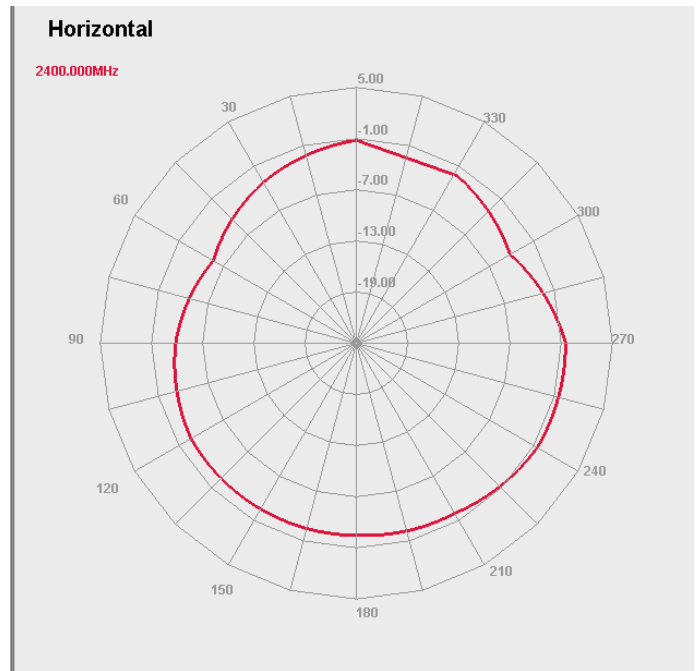
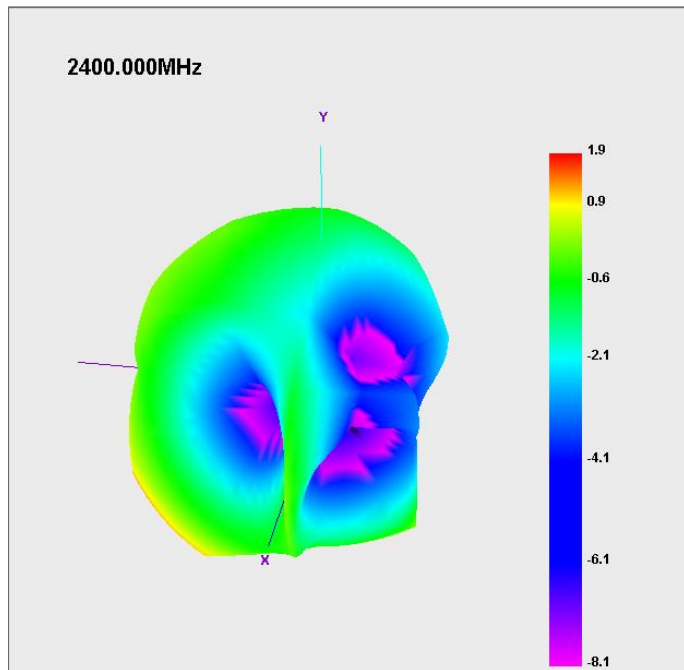


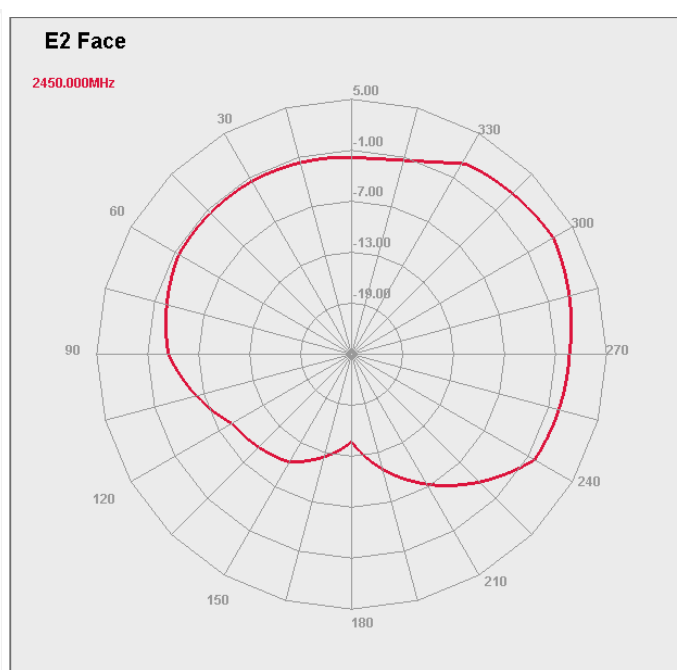
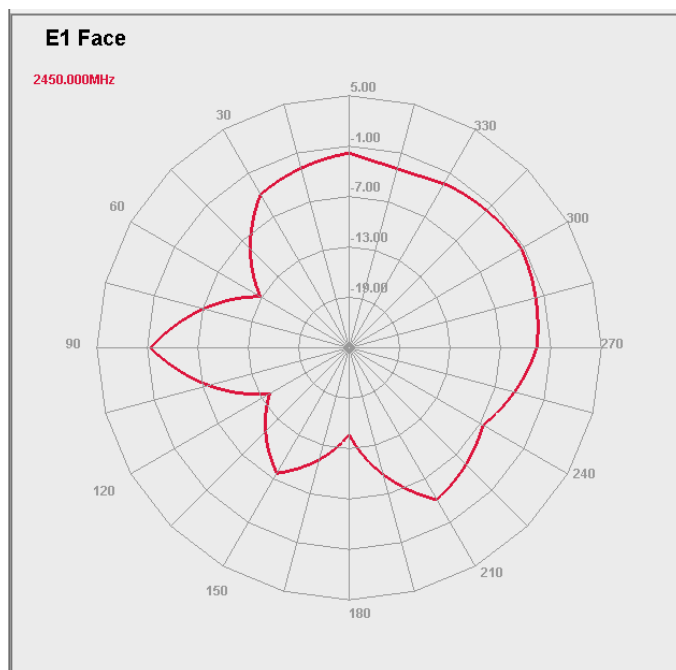
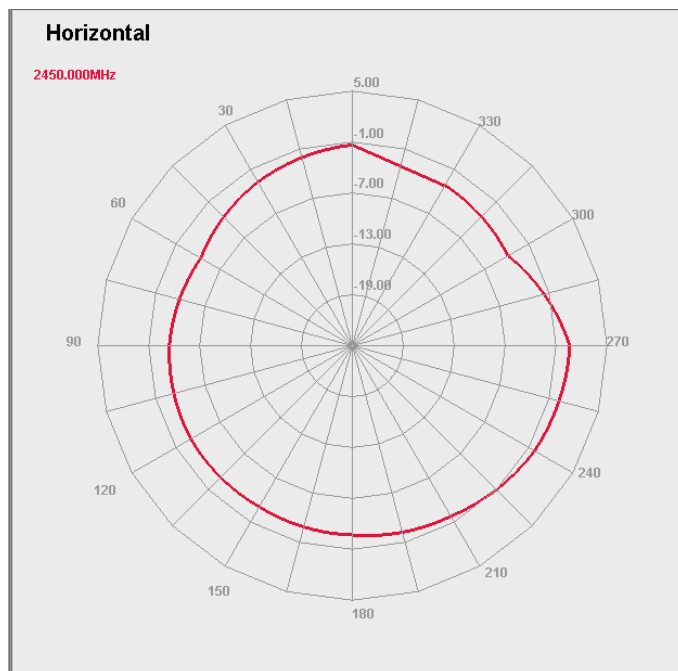
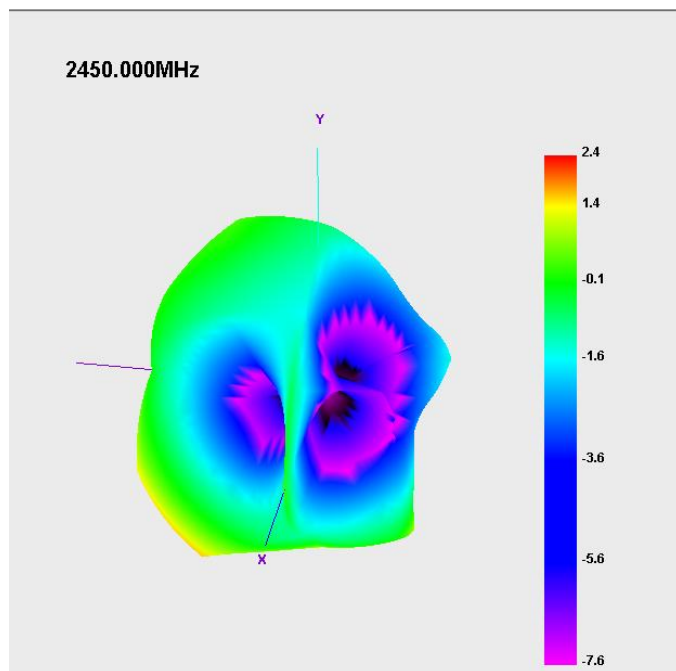
Passive Test For WIFI/BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.8	-3.0	1.9
2410	47.7	-3.2	1.8
2420	43.7	-3.6	1.5
2430	45.8	-3.4	1.8
2440	46.0	-3.4	1.9
2450	51.7	-2.9	2.4
2460	51.8	-2.9	2.5
2470	48.2	-3.2	2.1
2480	44.3	-3.5	1.6
2490	43.7	-3.6	1.5
2500	50.3	-3.0	2.0



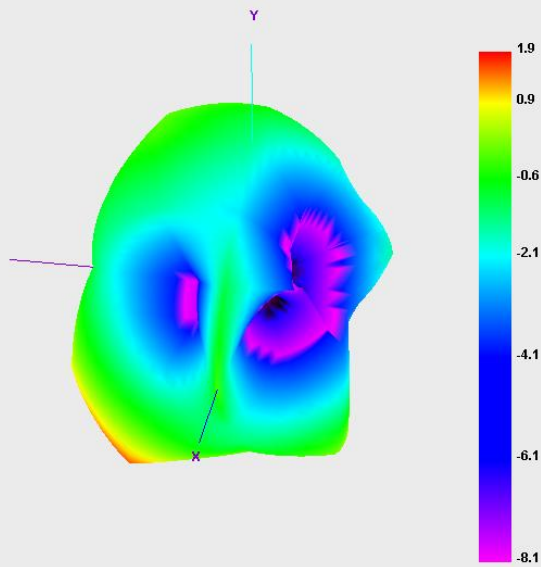
Antenna Radiation Pattern





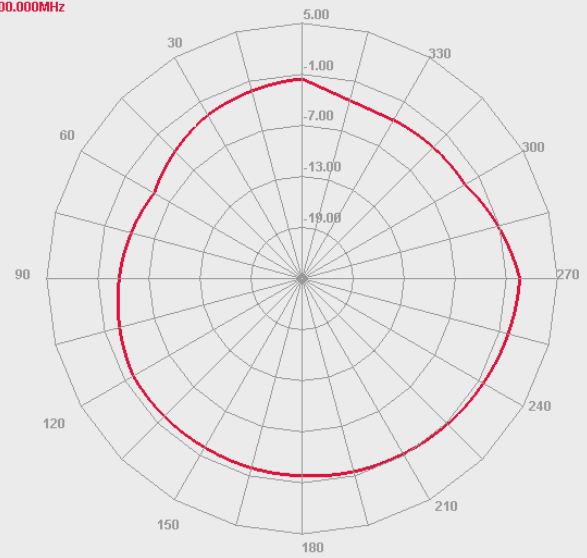


2500.000MHz



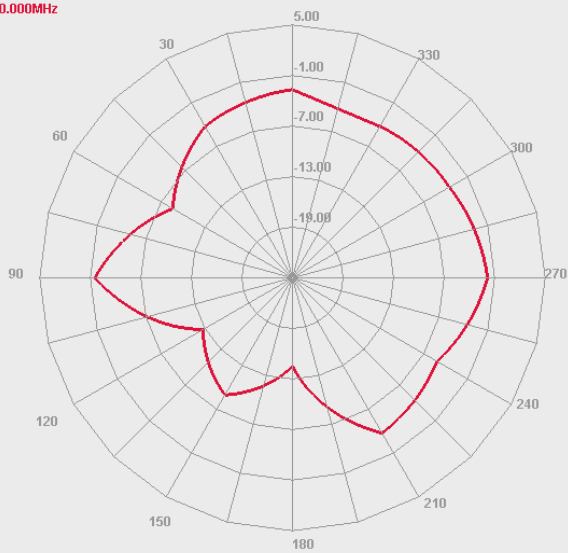
Horizontal

2500.000MHz



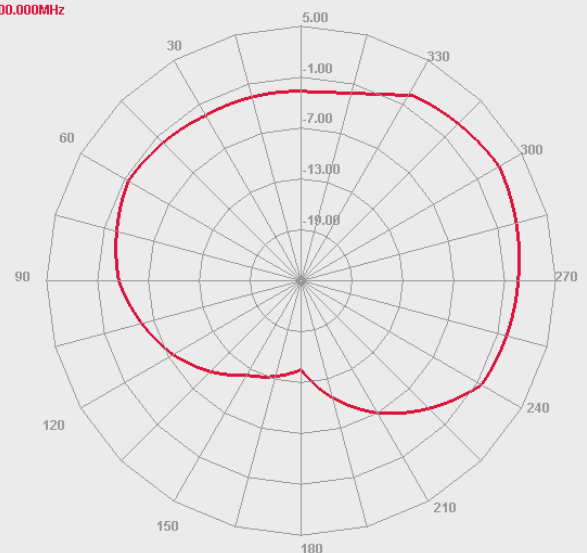
E1 Face

2500.000MHz



E2 Face

2500.000MHz



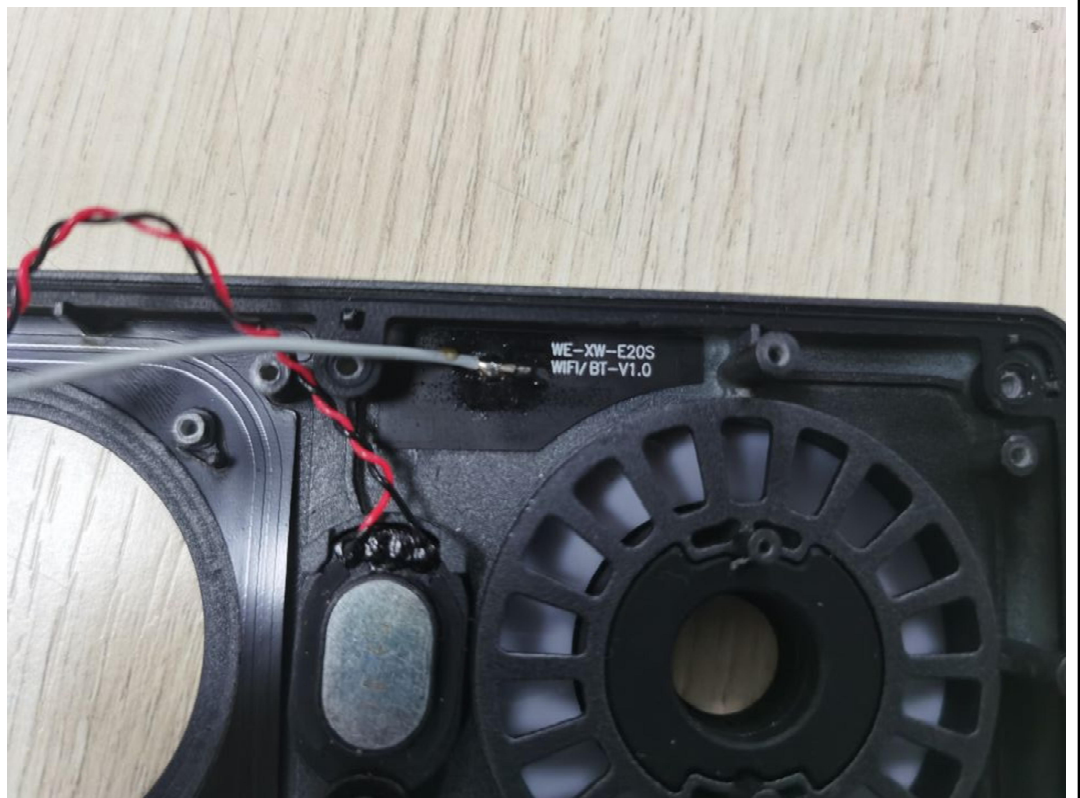


Antenna Profile

Device



*Antenna
WIFI/BT*





Assembly Drawing

WIFI/BT Antenna

