



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 2023/05/22

Date

编号 23052201

File No

版本 1.0

Revision

客户 NEXhome Smart Technologies Co.,Ltd.

CUSTOMER: _____

客户料号 DH-G710S

CUSTOMER NO: _____

品名 BT+NFC Antenna

PART NAME: _____

供方料号 WE007N.P0031.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

Liu

WE-RD-F01-A



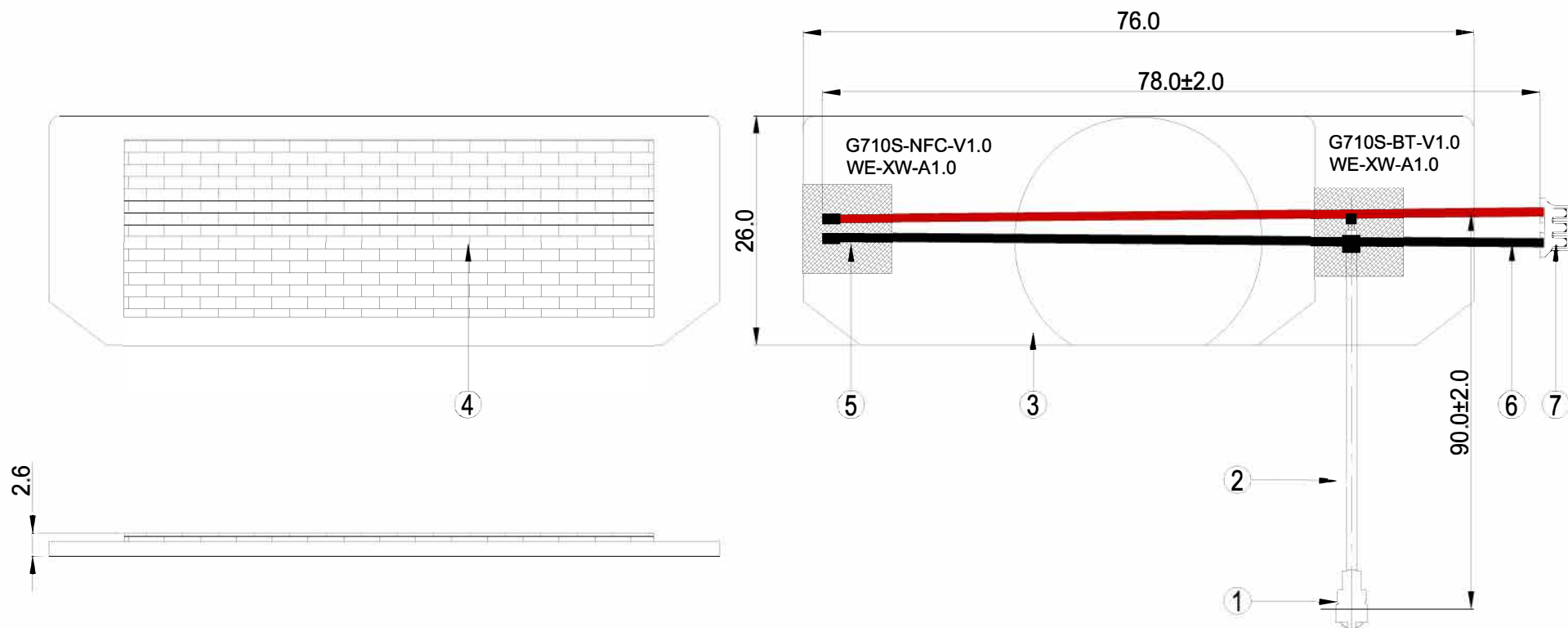
承认书项目表

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		2023.05.22
B		



7	Connector	1.25-3Y	1.25-3Y	MET00XX.V01	1
6	Cable	28AWG Black+Red	28AWG	CAB0012.V01	1
5	Acetate Cloth	10.0*10.0MM	Acetate Cloth	FAB0001.V01	2
4	EVA	60.0*20.0*T1.0MM	3M+EVA	EVA0034.V01	1
3	PCB Black	76.0*26.0*T1.6MM	PCB	PCB0067.V01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	CAB0113.V02	1
1	Mini Connector	1代I-PEX	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: BT+NFC Antenna

PART NO.: WE007N.P0031.V01

DATE: 2023-05-22

APPROVED BY

CHECKED BY

DESIGNED BY



UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°



天线规格

Antenna Specification

Electrical Properties

Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	<1.9
Return Loss	<-10dB
Radiation	Omni-directional
Gain (Peak)	-3.5dBi
Polarization	Linear
Connector	1st generation I-PEX 1.25-3Y

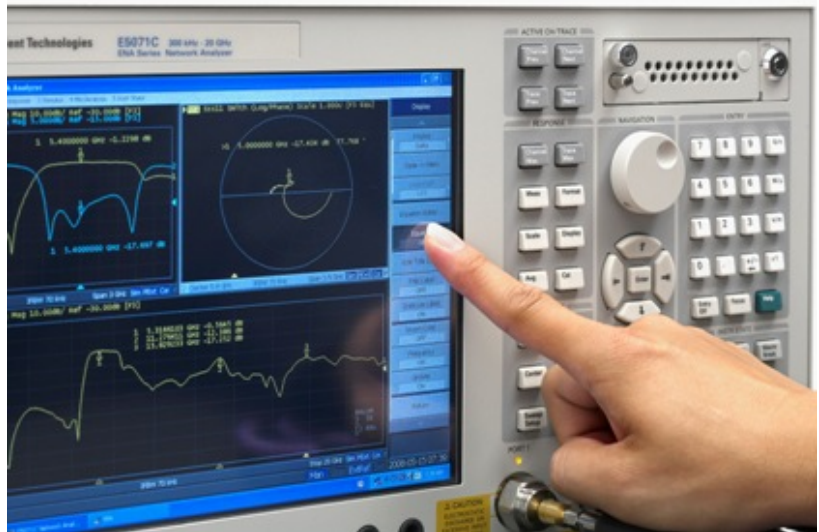
Physical Properties

Antenna Material	PCB
Cable Type	O.D.1.13//L=90mm 28AWG//L=78mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

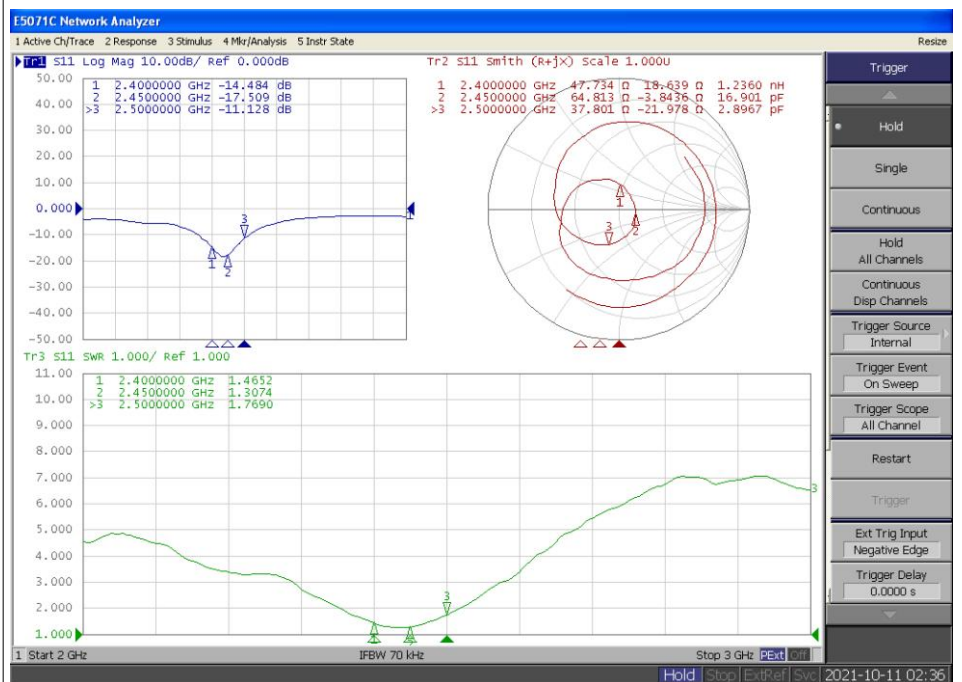


Antenna Performance Test

**Agilent
E5071C**

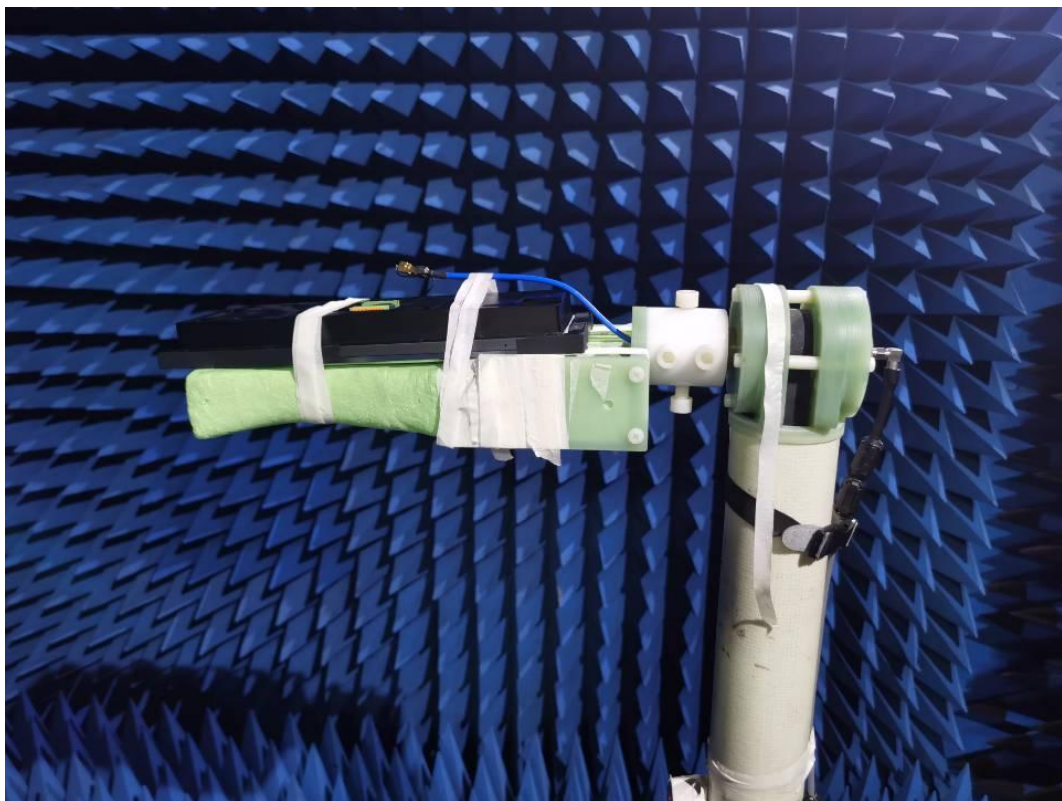
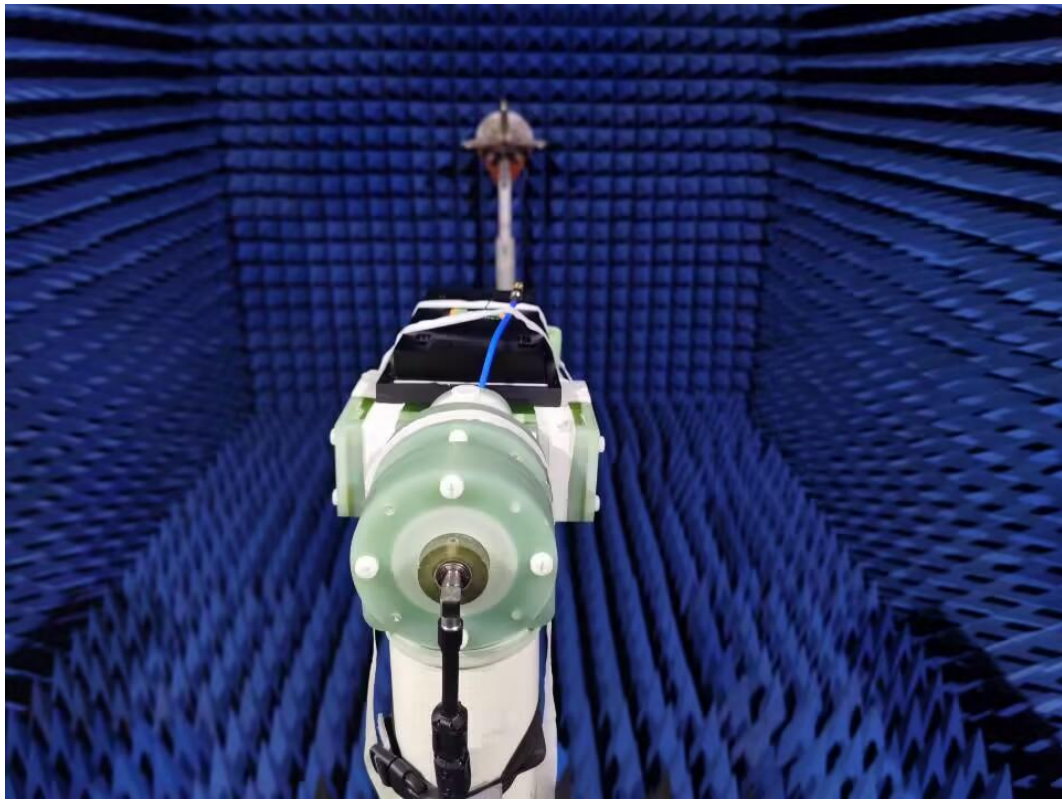


**S
Parameter
Test //
BT**





Antenna Passive Test



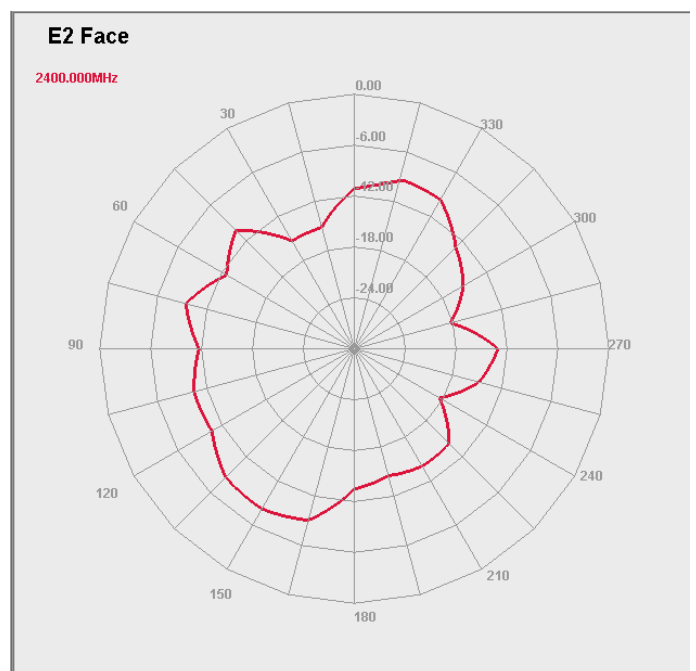
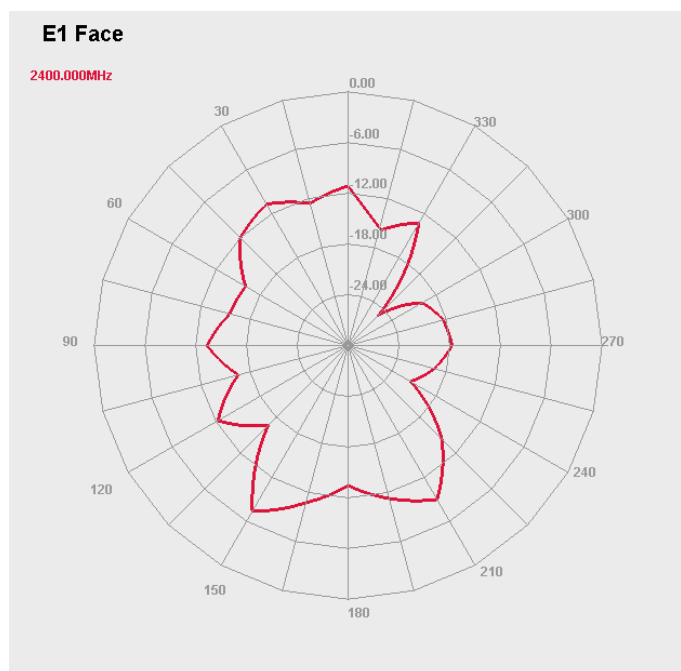
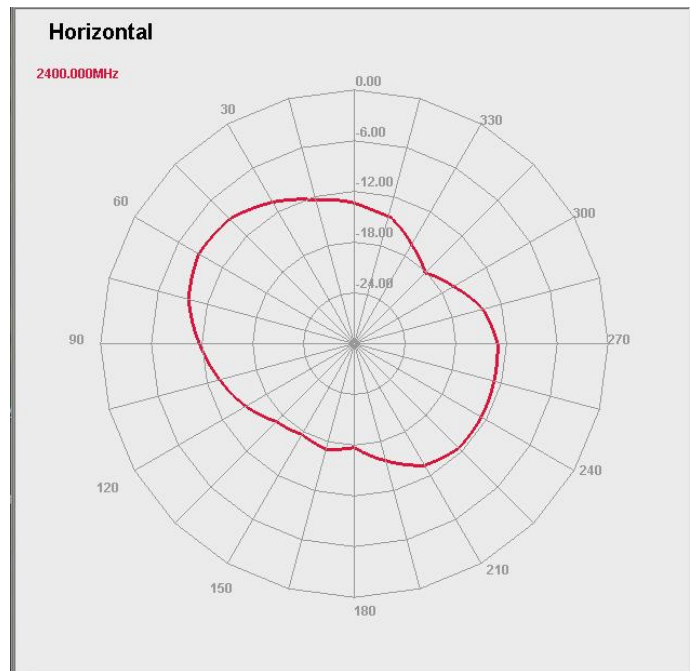
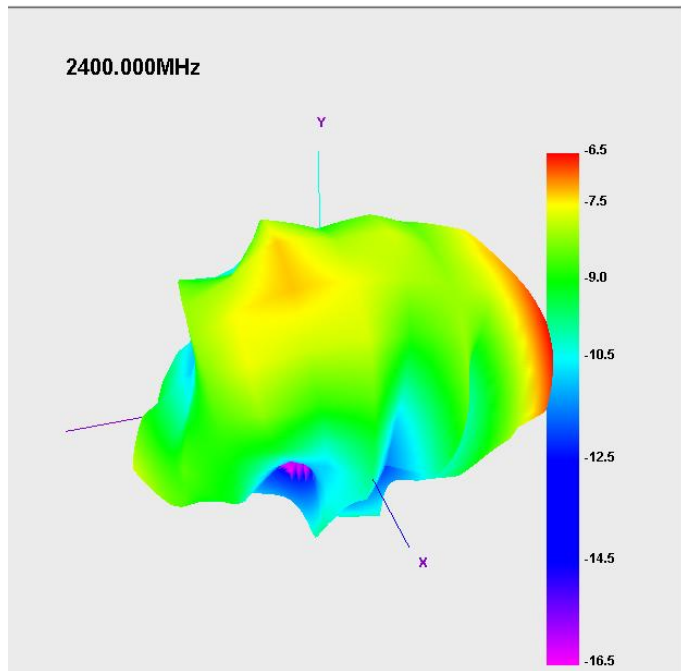


Passive Test For BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	5.5	-12.6	-6.6
2410	6.6	-11.8	-6.2
2420	6.9	-11.6	-6.3
2430	7.3	-11.4	-6.1
2440	8.4	-10.8	-5.4
2450	8.3	-10.8	-4.9
2460	9.1	-10.4	-4.1
2470	8.4	-10.8	-3.9
2480	8.1	-10.9	-3.7
2490	8.4	-10.7	-3.5
2500	6.3	-12.0	-5.2

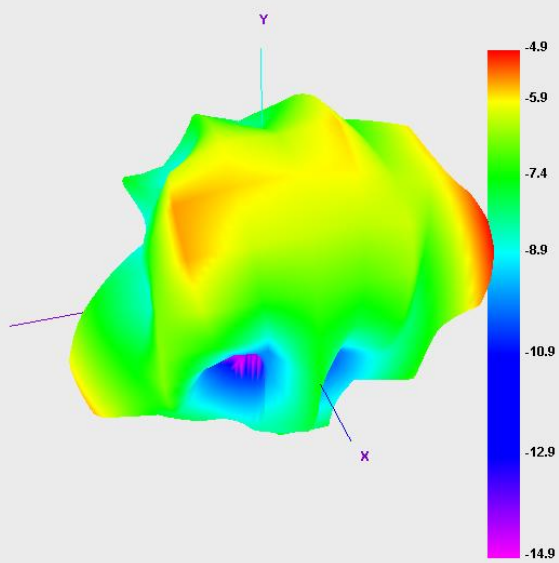


Antenna Radiation Pattern



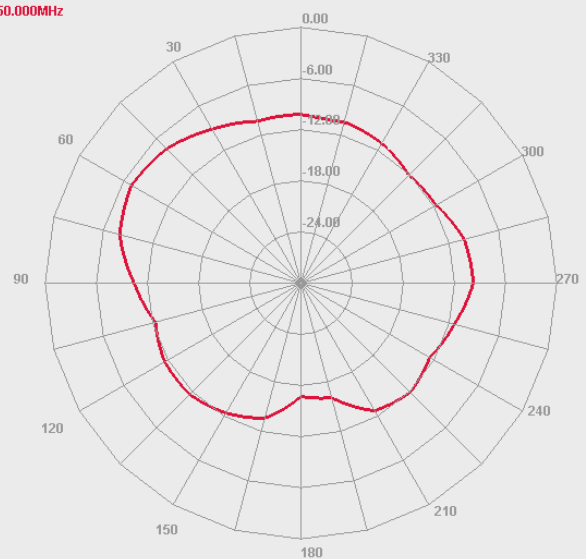


2450.000MHz



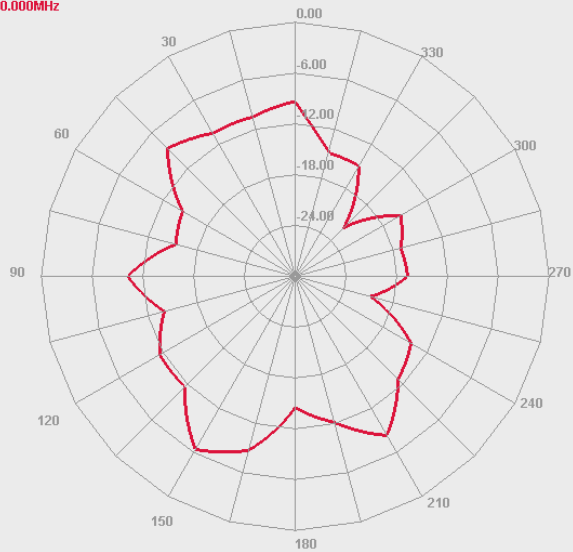
Horizontal

2450.000MHz



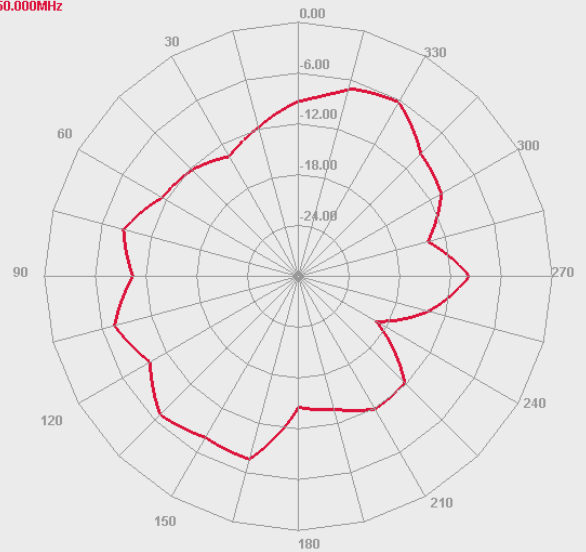
E1 Face

2450.000MHz



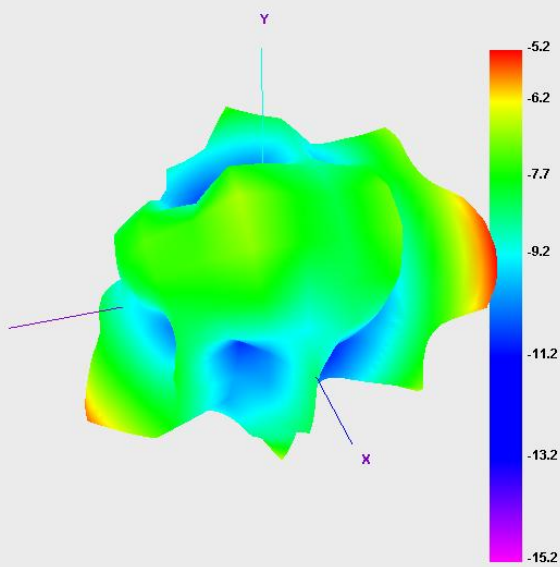
E2 Face

2450.000MHz



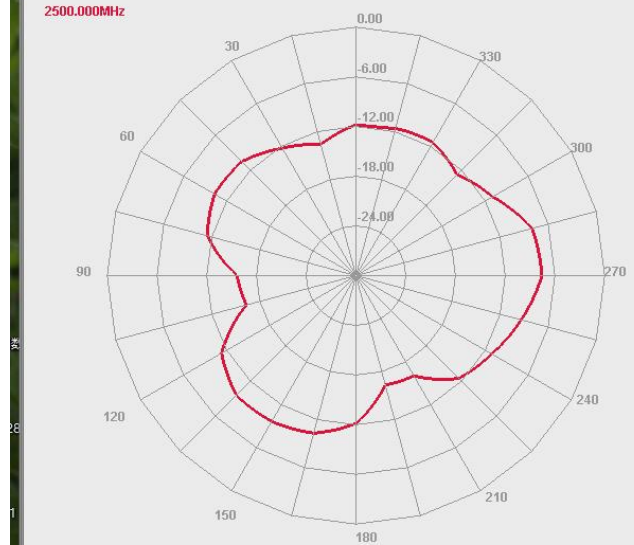


2500.000MHz



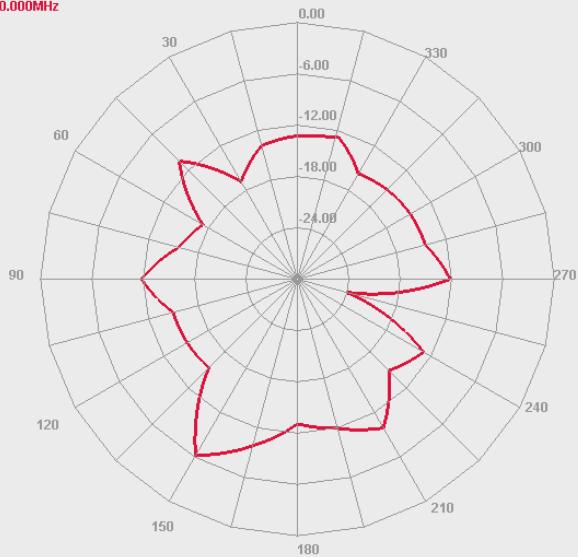
Horizontal

2500.000MHz



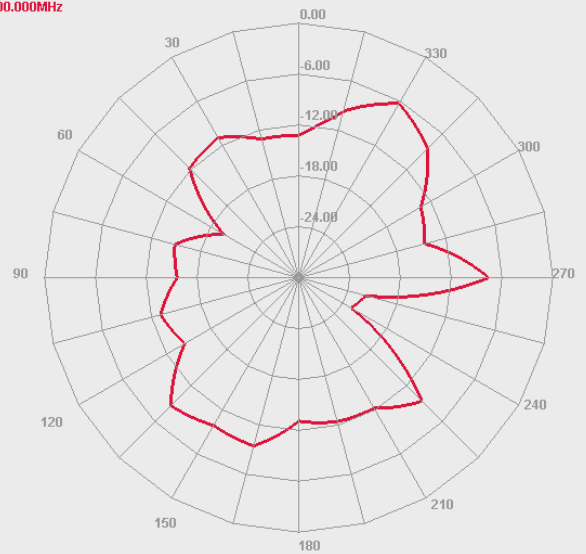
E1 Face

2500.000MHz



E2 Face

2500.000MHz



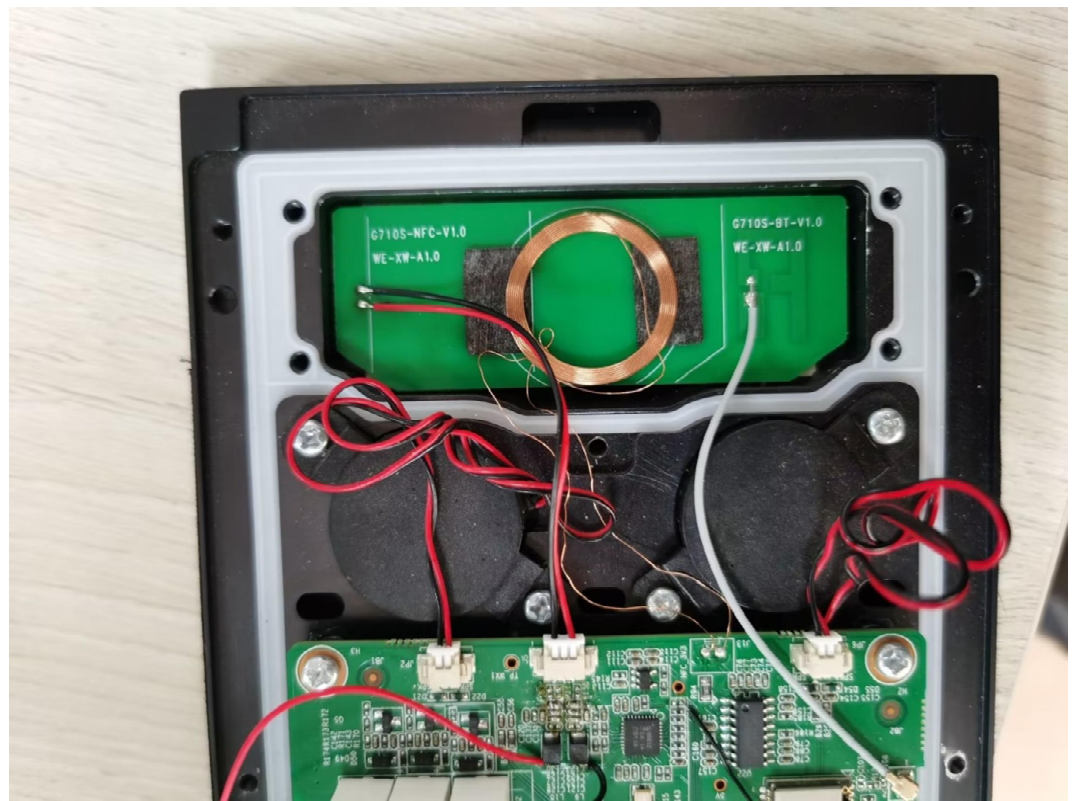


Antenna Profile

Device



*Antenna
WIFI*





Assembly Drawing

