



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 2022/12/15

Date

编号 22121501

File No

版本 1.0

Revision

客户 NEXhome Smart Technologies Co.,Ltd.

CUSTOMER: _____

客户料号 DH-G510S

CUSTOMER NO: _____

品名 BT Antenna L=55mm MHF

PART NAME: _____

供方料号 WE007N.F0130.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

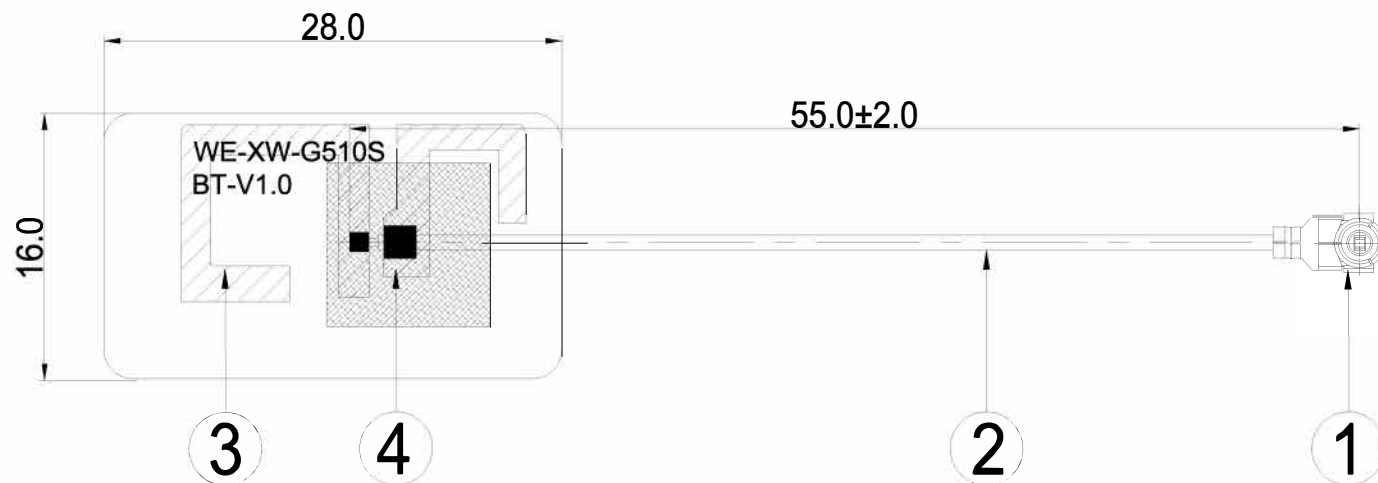
DATE

A

2022.12.15

B

2023.08.16



4	Acetate Cloth	10.0*10.0MM	Acetate Cloth	FAB0001.V01	1
3	FPCB	28.0*16.0MM	FPCB	FPC0313.V01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	CAB0113.V02	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: BT Antenna L=55mm MHF

PART NO.: WE007N.F0130.V01

DATE: 2022-12-15

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	<1.5
Return Loss	<-16dB
Radiation	Omni-directional
Gain (Peak)	1.8dBi
Polarization	Linear
Connector	1st generation I-PEX

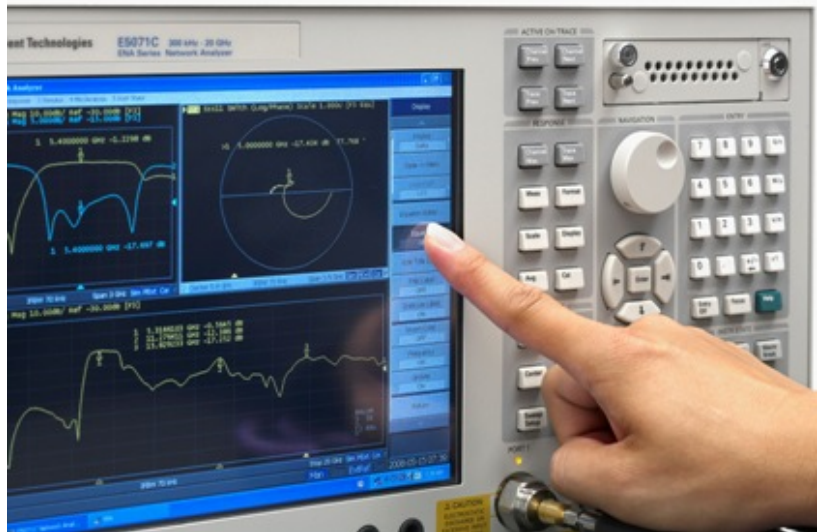
Physical Properties

Antenna Material	FPC
Cable Type	O.D.1.13//L=55mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

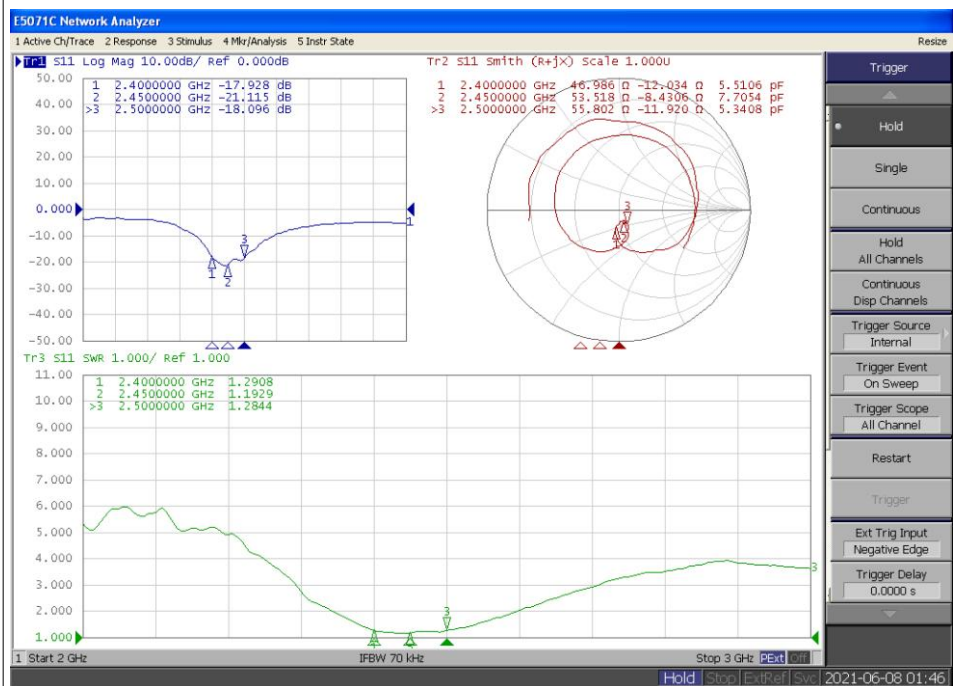


Antenna Performance Test

**Agilent
E5071C**

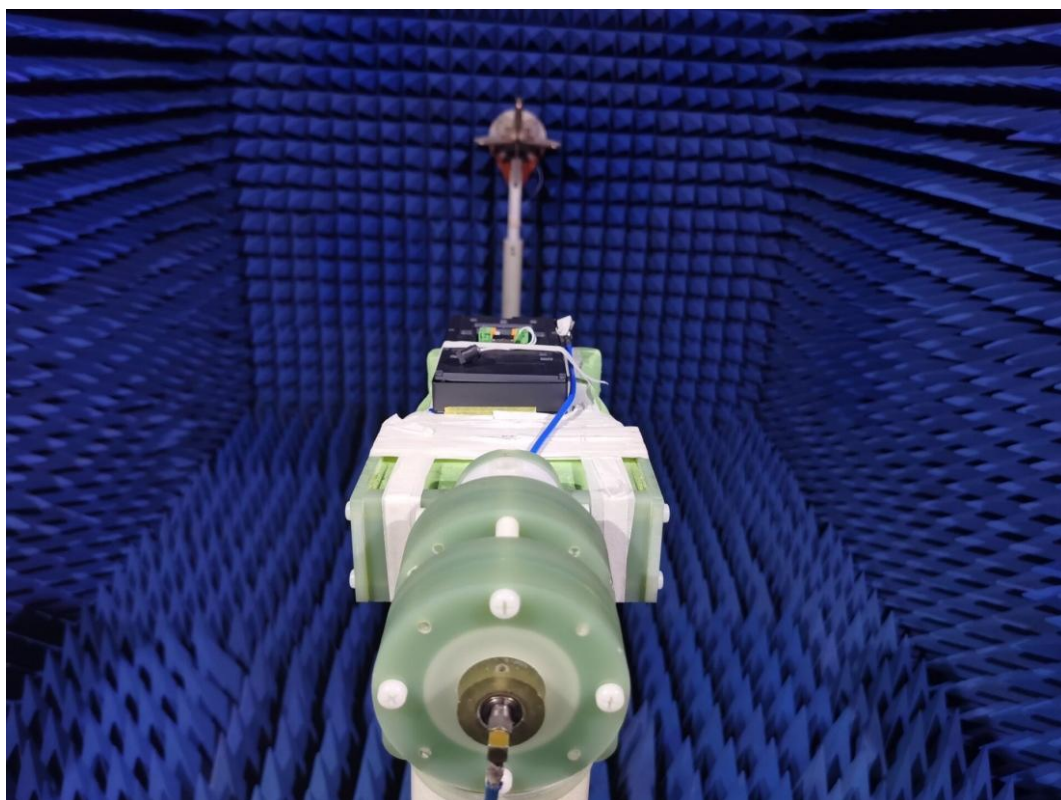
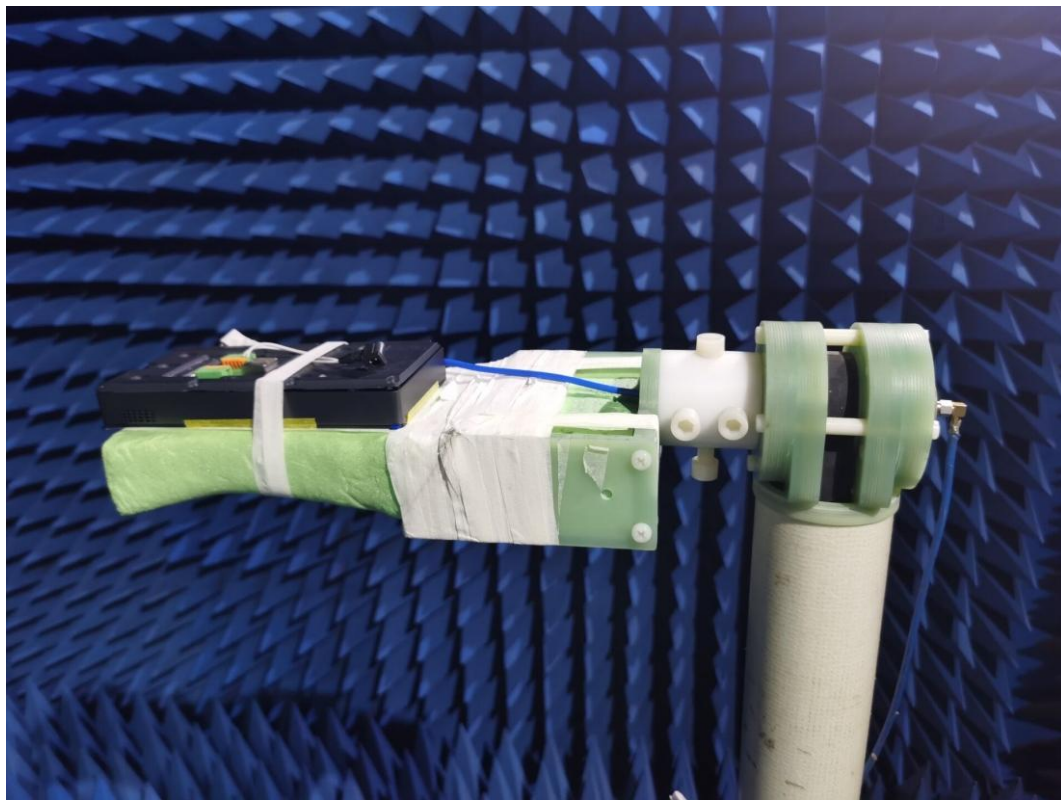


**S
Parameter
Test //
BT**





Antenna Passive Test



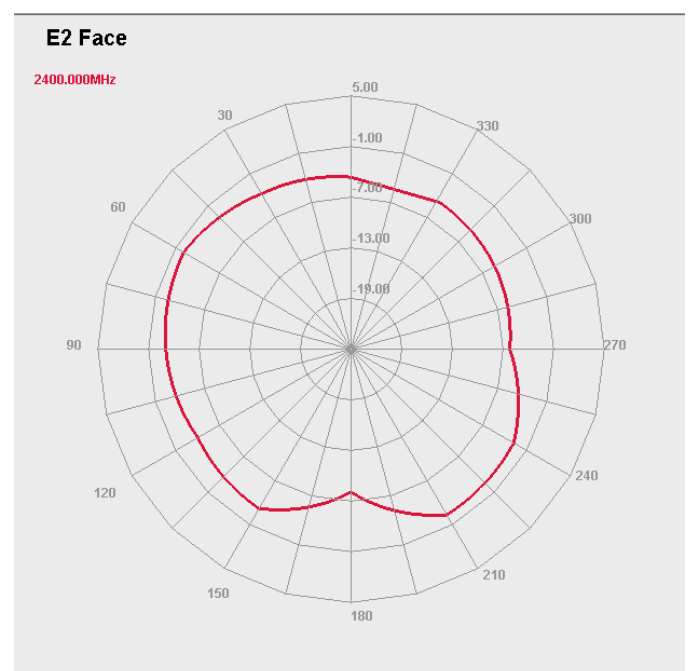
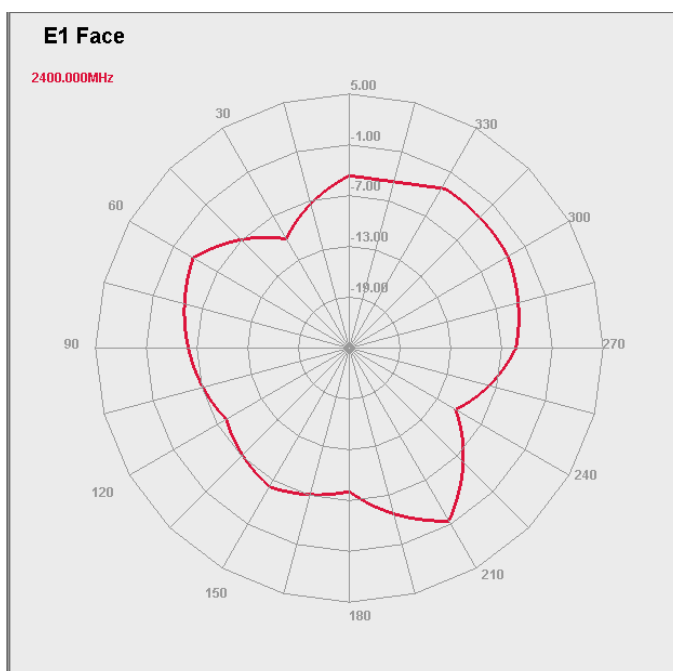
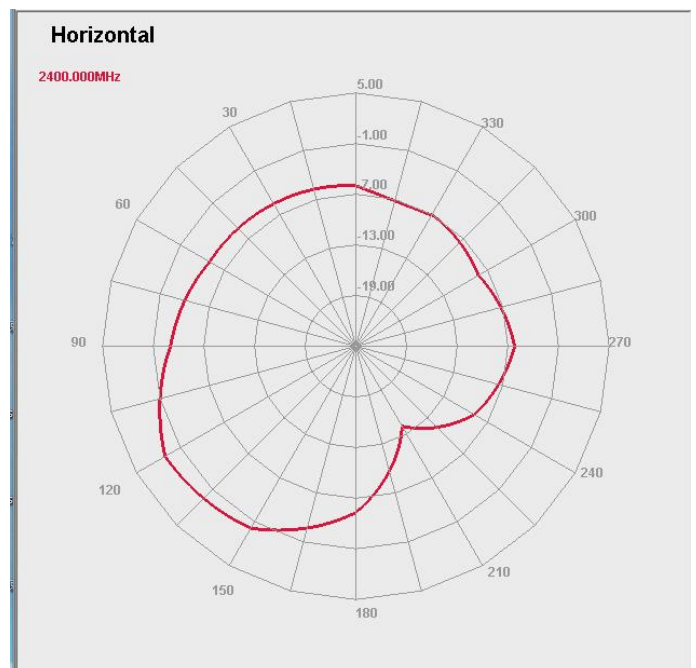
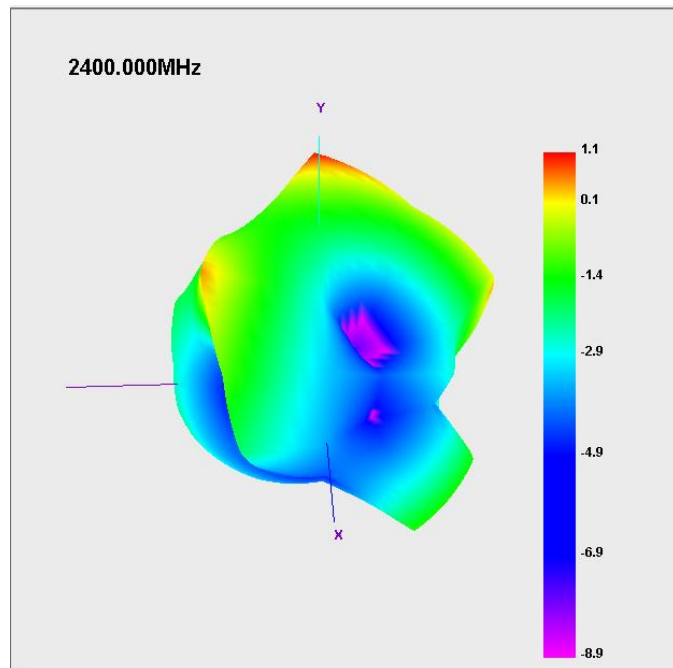


Passive Test For BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.2	-4.0	1.1
2410	48.7	-3.1	1.8
2420	45.4	-3.4	1.5
2430	50.3	-3.0	1.8
2440	45.7	-3.4	1.2
2450	43.9	-3.6	0.8
2460	45.8	-3.4	0.7
2470	44.0	-3.6	0.3
2480	49.3	-3.1	0.6
2490	47.8	-3.2	0.6
2500	51.5	-2.9	0.9

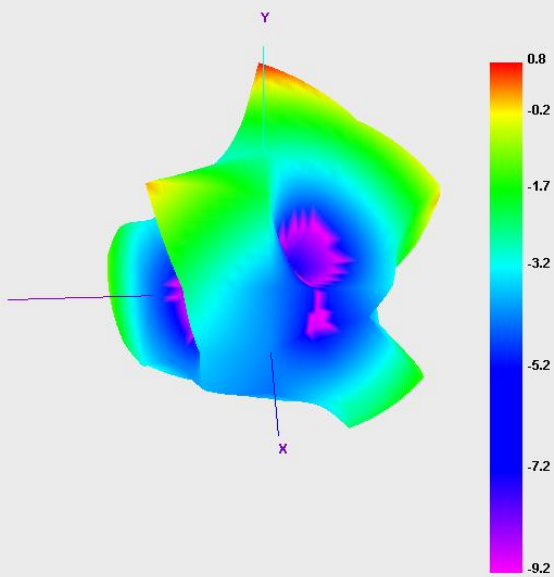


Antenna Radiation Pattern



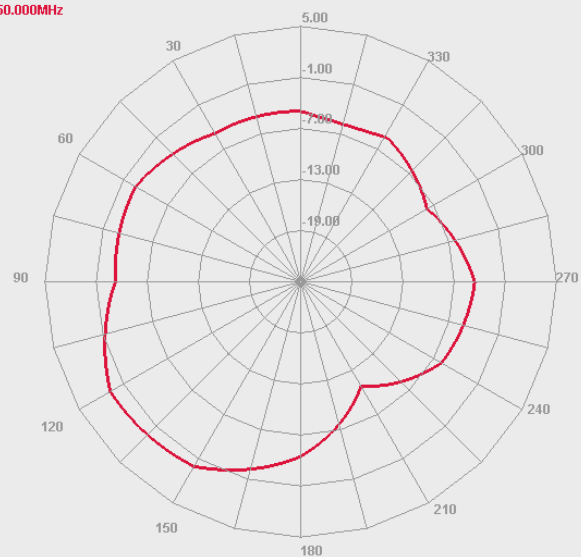


2450.000MHz



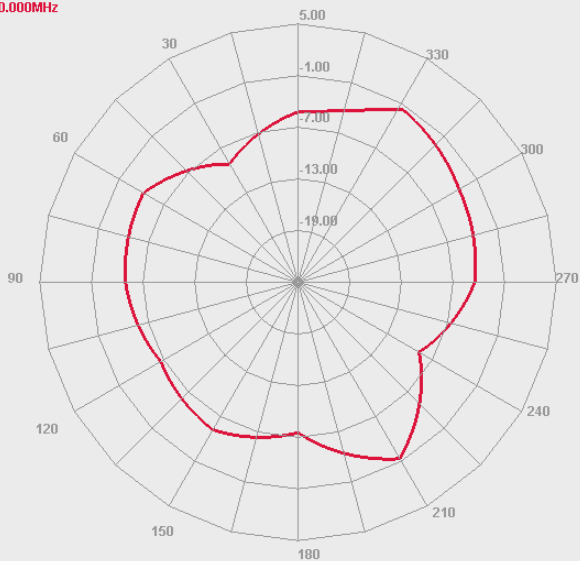
Horizontal

2450.000MHz



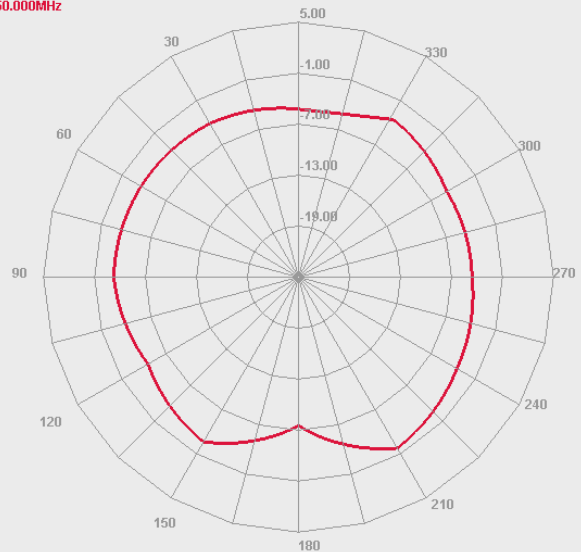
E1 Face

2450.000MHz



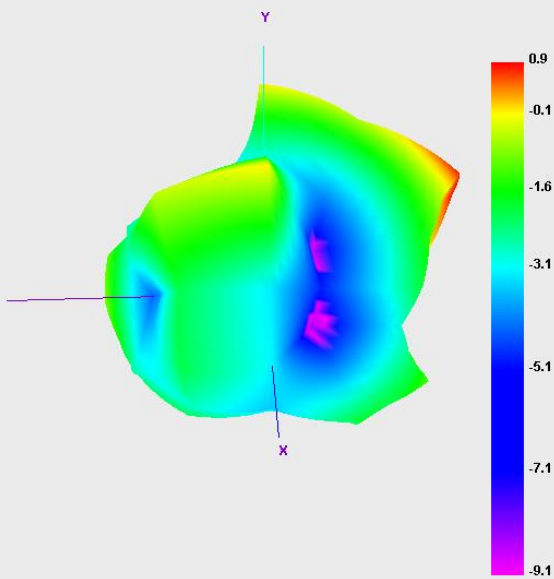
E2 Face

2450.000MHz



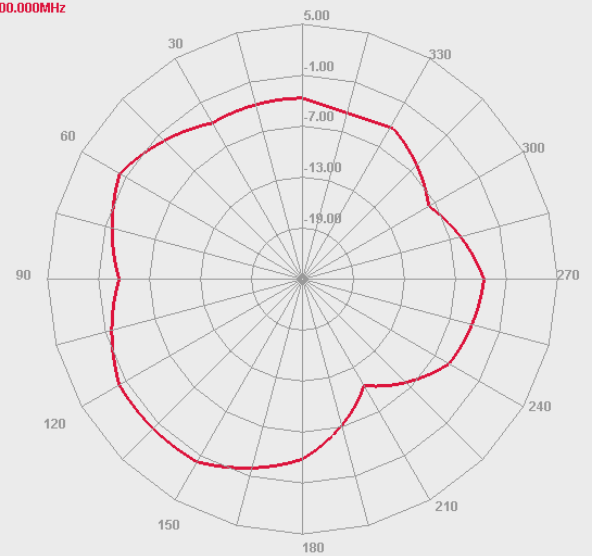


2500.000MHz



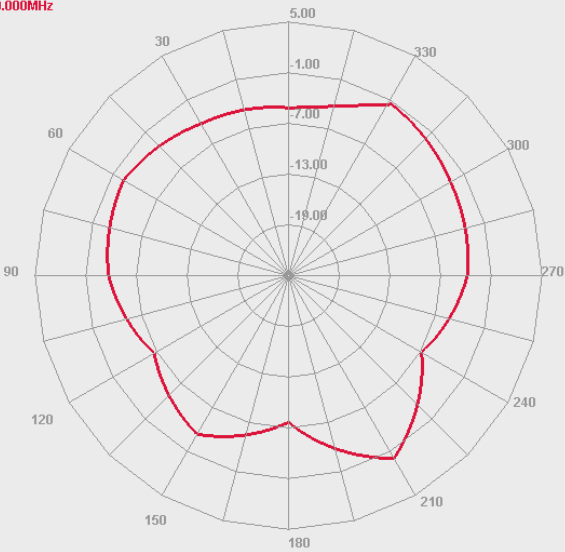
Horizontal

2500.000MHz



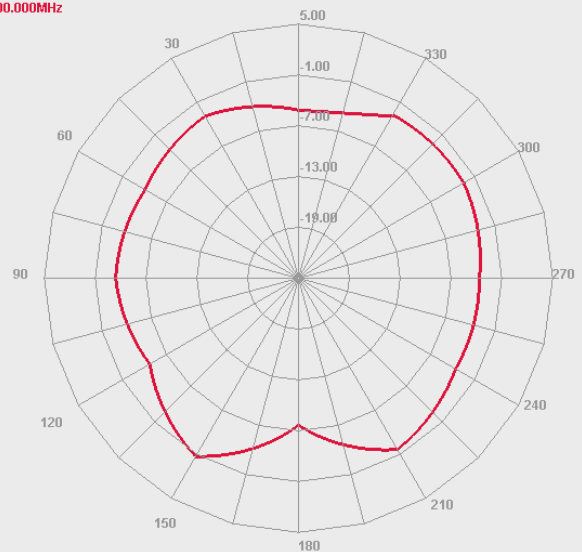
E1 Face

2500.000MHz



E2 Face

2500.000MHz





Antenna Profile

Device



*Antenna
BT*





Assembly Drawing

BT Antenna

