



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 2024/12/20

Date

编号 24122001

File No

版本 1.0

Revision

客户

CUSTOMER:

AKUVOX(XIAMEN) NETWORKS CO LTD

(睿云联(厦门)网络通讯技术有限公司)

客户料号

CUSTOMER NO:

品名

BT Antenna L=78mm MHF

PART NAME:

供方料号

WE007N.F0180.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

工程专用章
Hunter

Luo

Liu

WE-RD-F01-A



承认书项目表

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天线规格

Antenna Specification

Electrical Properties

Frequency	2400~2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	$\leq 1.5(\text{Max})$
Return Loss	$\leq -14(\text{Max})$
Radiation	Omni-directional
Gain (Peak)	$\leq -1.4\text{dBi}(\text{Max})$
Polarization	Linear
Connector	2st generation I-PEX

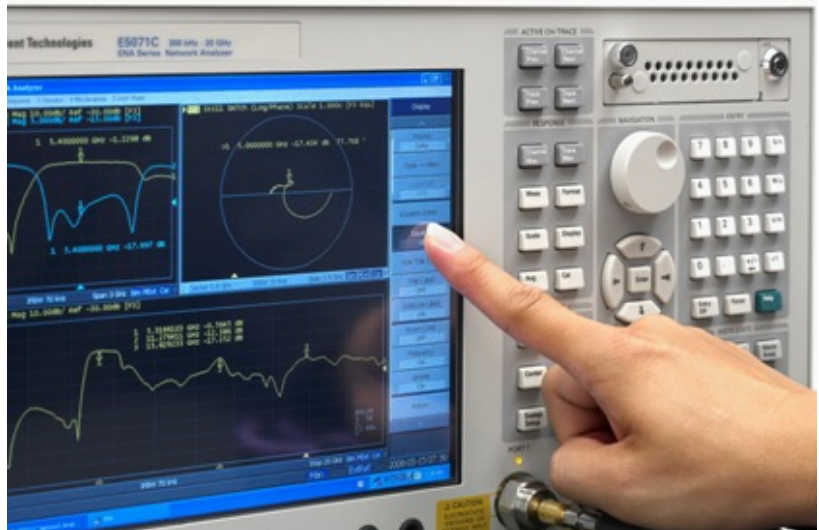
Physical Properties

Antenna Material	FPC
Cable Type	O.D.0.81//L=78mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

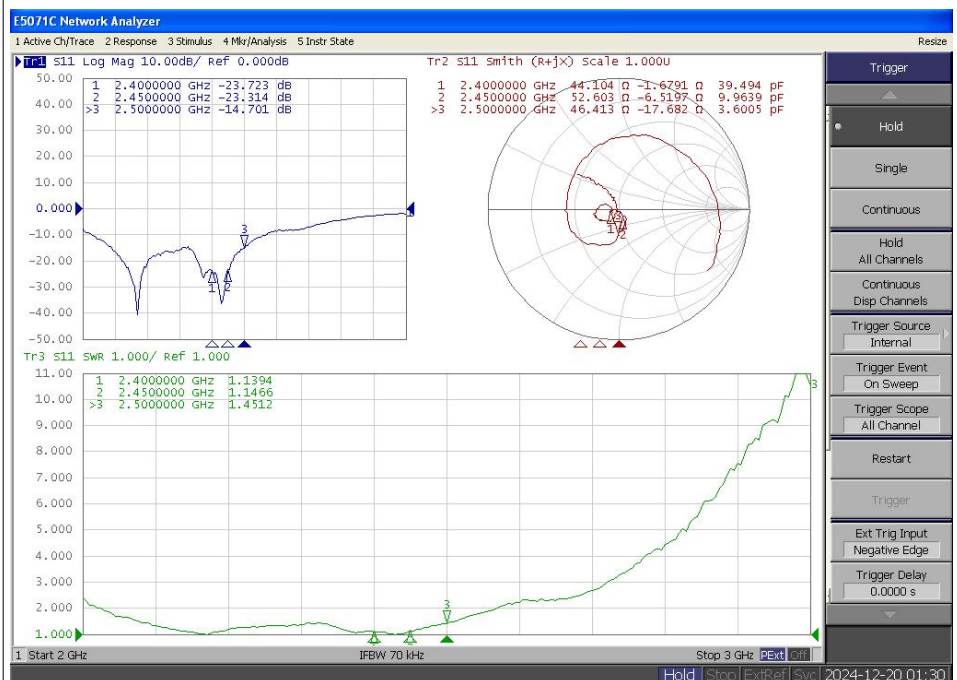


Antenna Performance Test

**Agilent
E5071C**

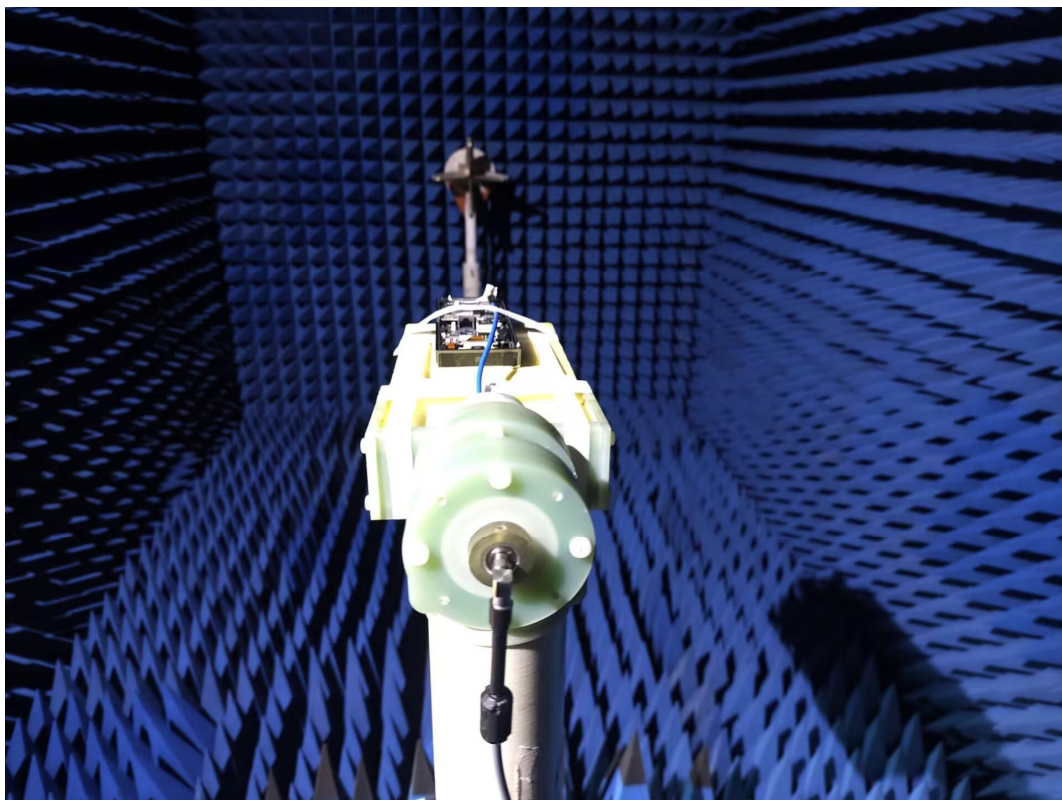
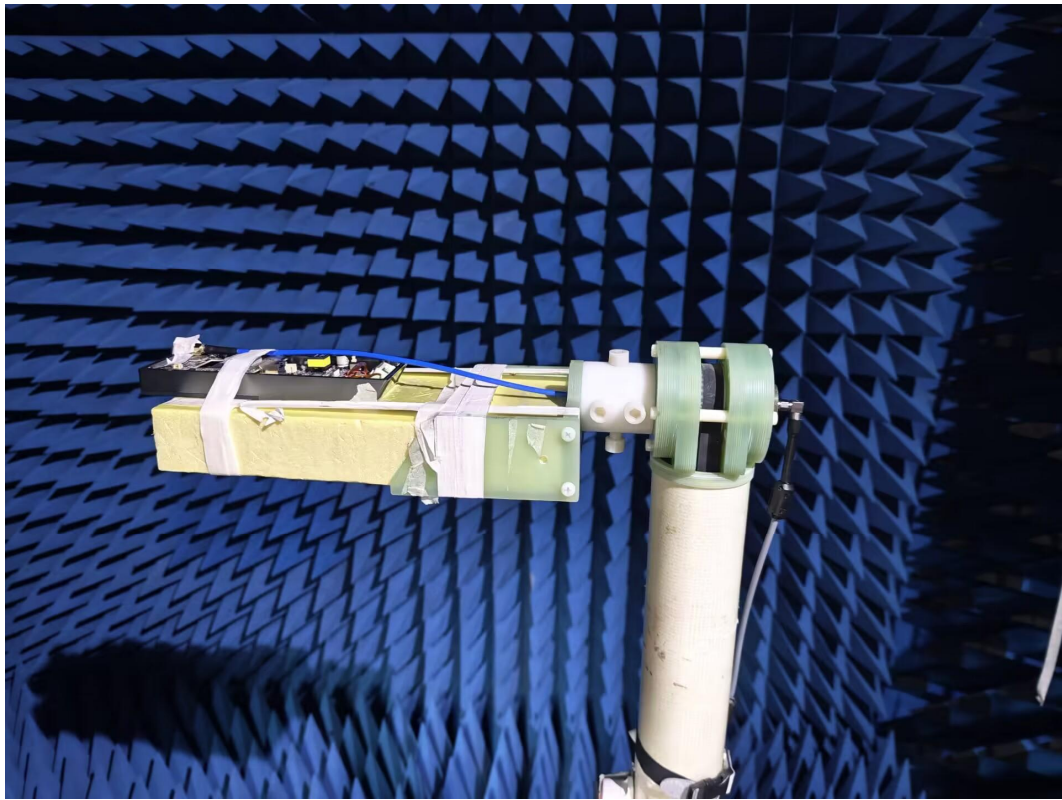


**S
Parameter
Test //
BT**





Antenna Passive Test



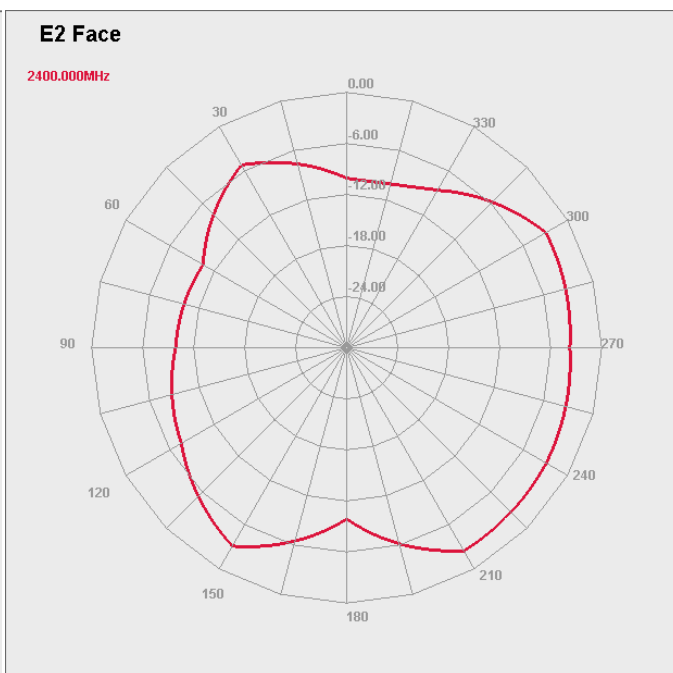
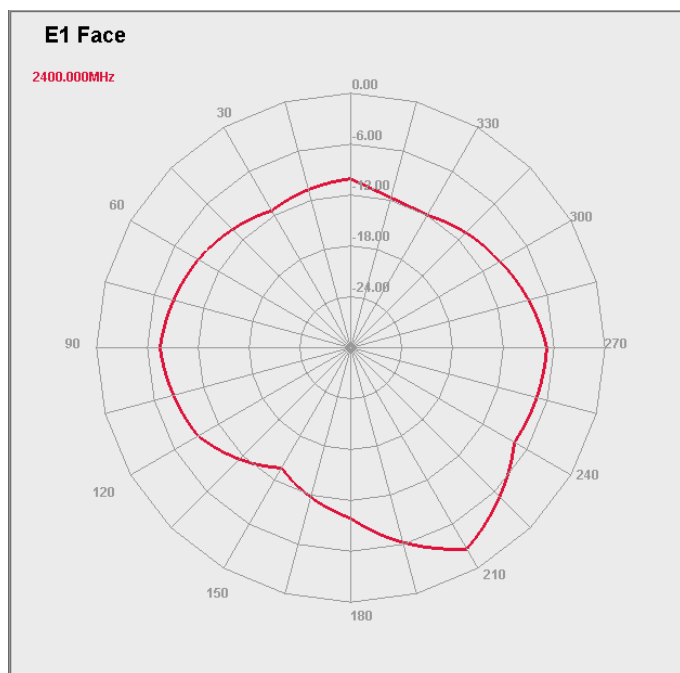
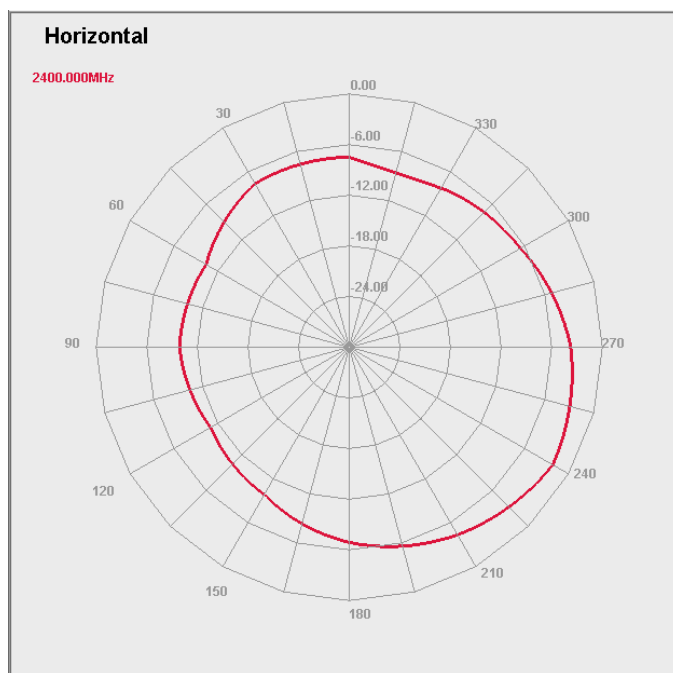
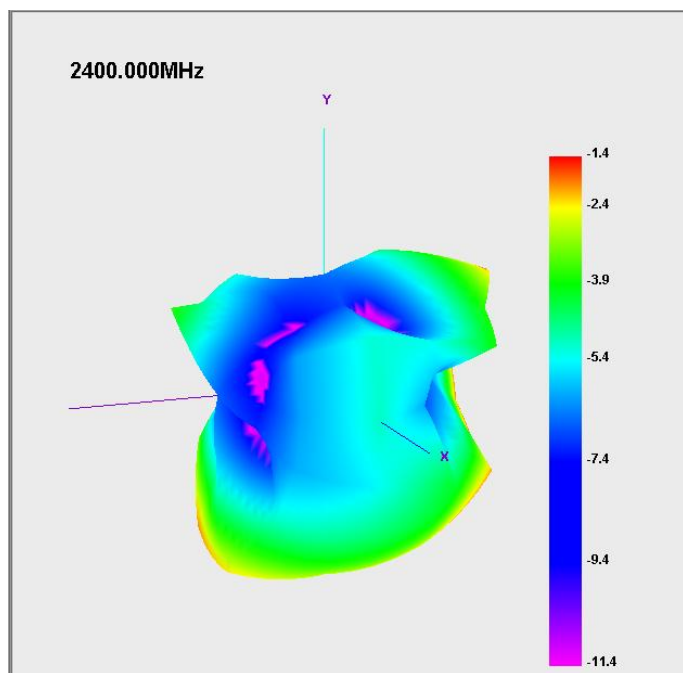


Passive Test For BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	22.8	-6.4	-1.4
2410	18.0	-7.4	-2.4
2420	19.8	-7.0	-1.8
2430	18.4	-7.4	-3.1
2440	18.6	-7.3	-2.7
2450	18.1	-7.4	-3.6
2460	17.3	-7.6	-2.9
2470	17.9	-7.5	-3.9
2480	16.4	-7.9	-4.3
2490	18.8	-7.3	-3.1
2500	18.4	-7.4	-3.7

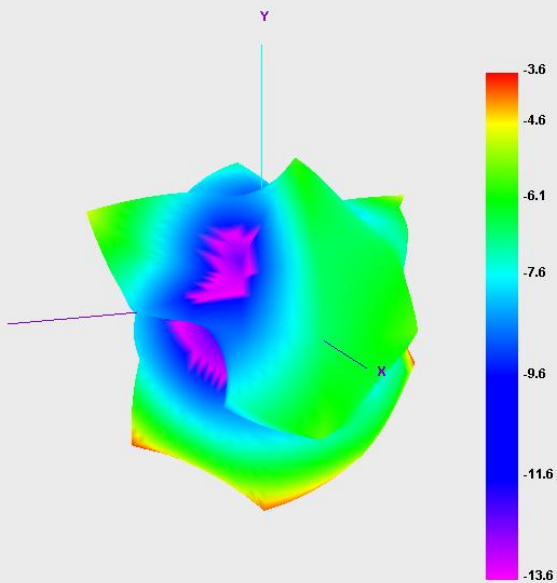


Antenna Radiation Pattern



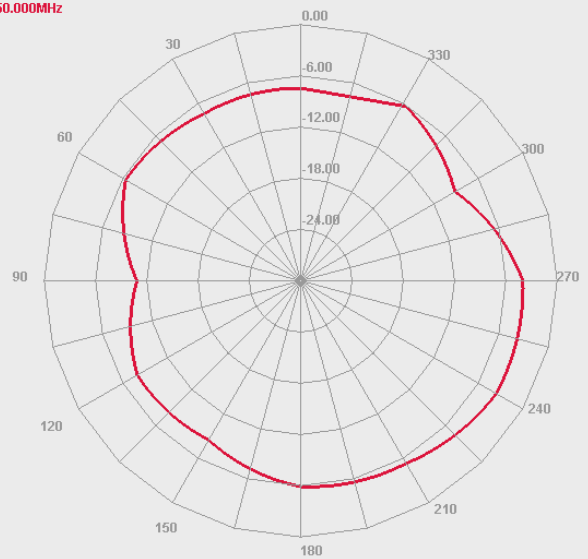


2450.000MHz



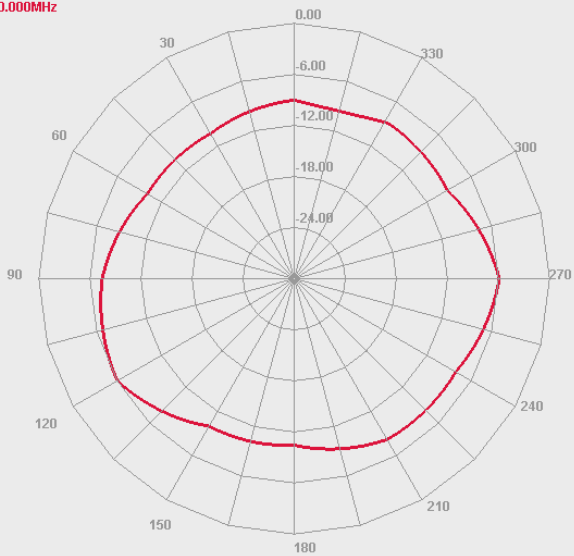
Horizontal

2450.000MHz



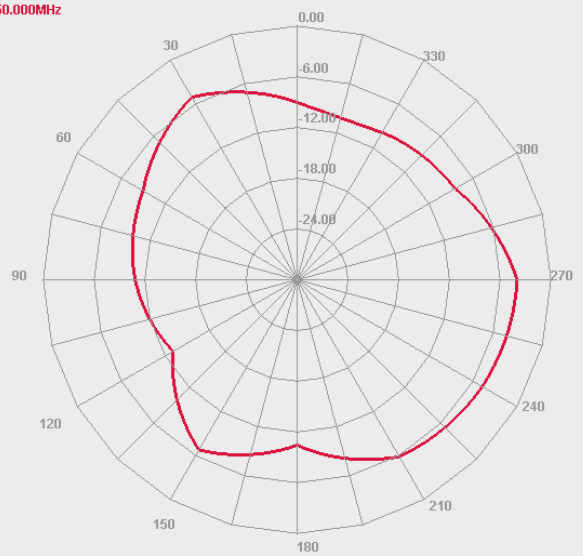
E1 Face

2450.000MHz



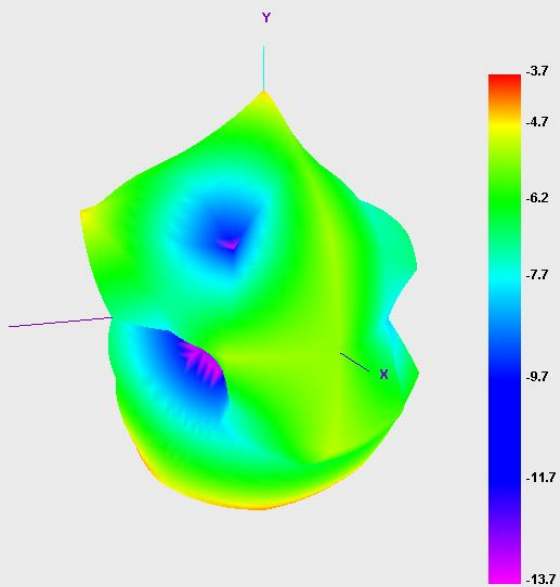
E2 Face

2450.000MHz



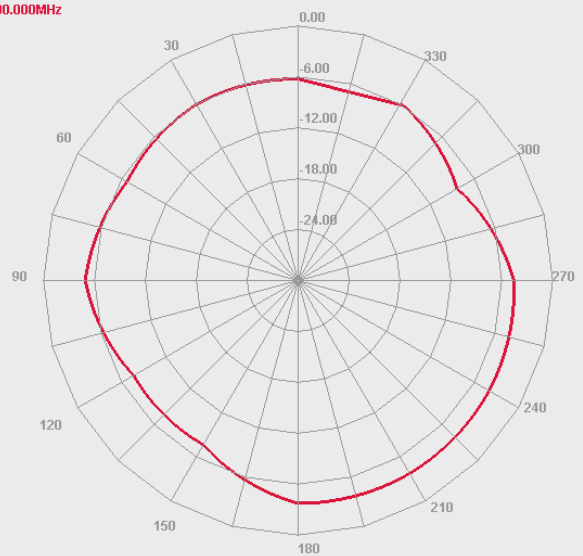


2500.000MHz



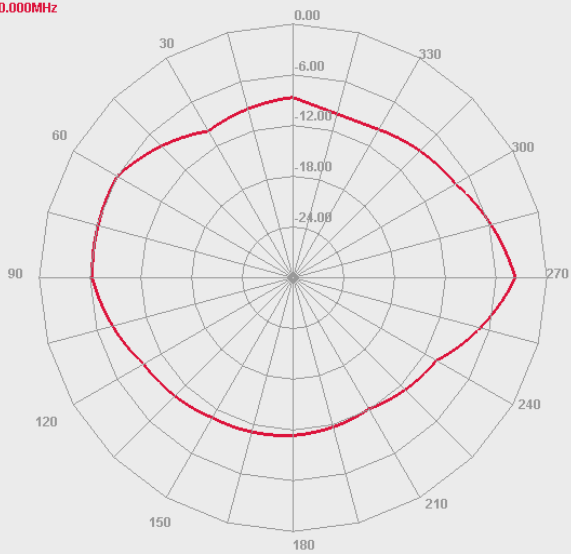
Horizontal

2500.000MHz



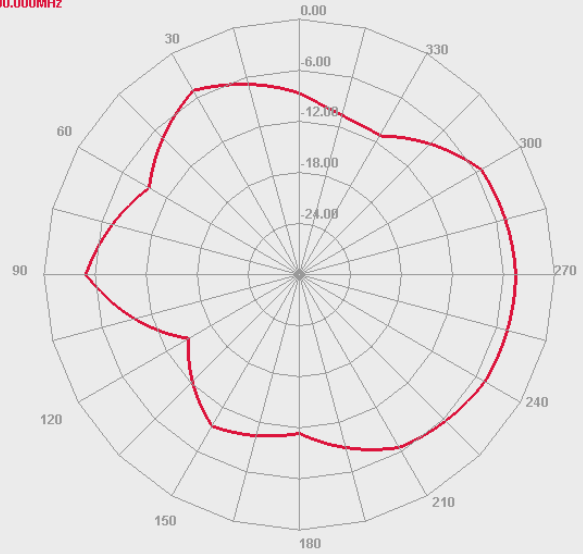
E1 Face

2500.000MHz



E2 Face

2500.000MHz





Antenna Profile

Device

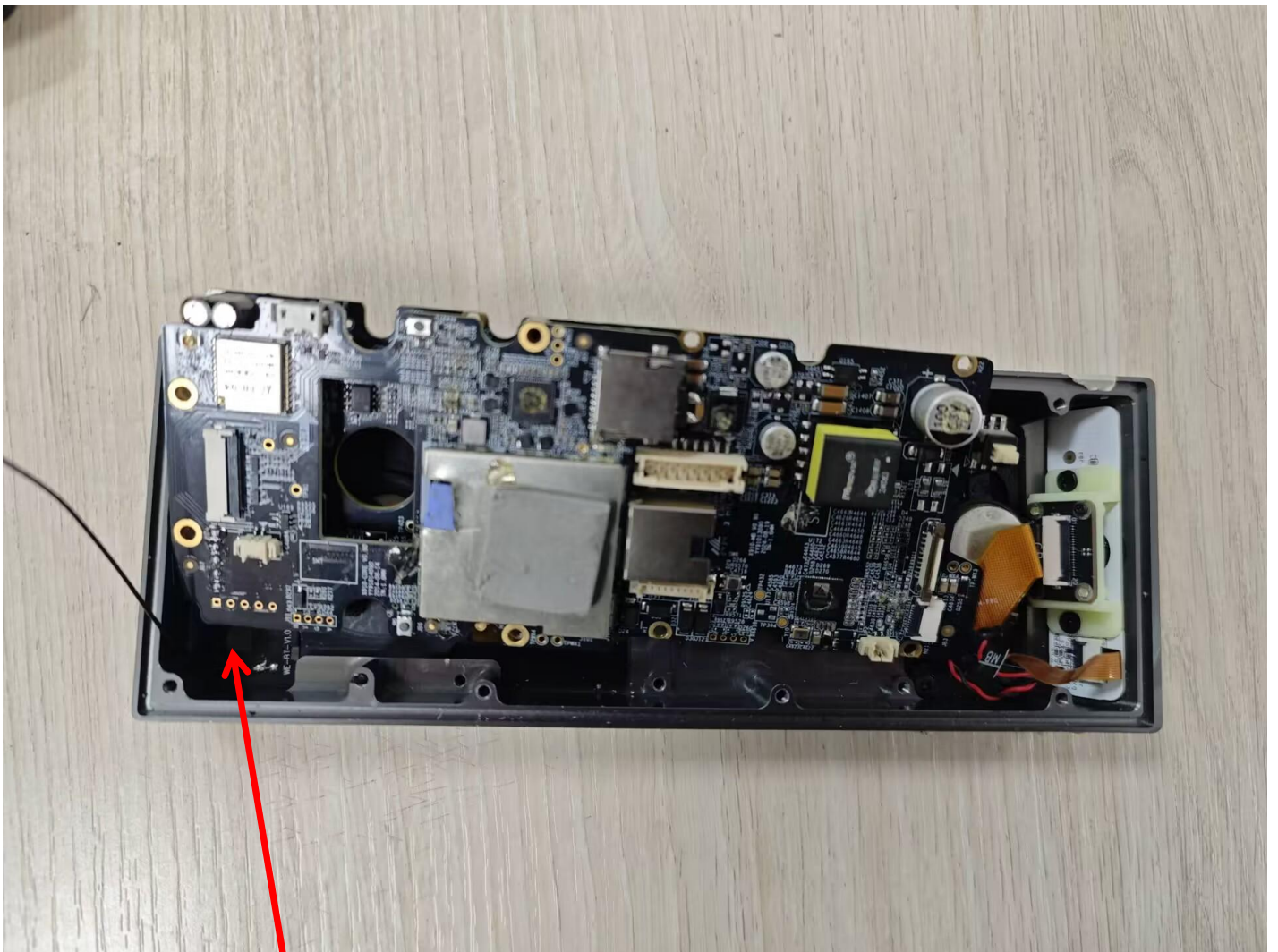


*Antenna
BT*





Assembly Drawing



BT Antenna