



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 2024/06/21

Date

编号 24062102

File No

版本 1.0

Revision

客户 Akuvox

CUSTOMER: _____

客户料号 KS53

CUSTOMER NO: _____

品名 Zigbee Antenna L=32mm MHF

PART NAME: _____

供方料号 WE007N.F0159.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



天线规格

Antenna Specification

Electrical Properties

Frequency	2400~2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	< 1.8
Return Loss	< -11
Radiation	Omni-directional
Gain (Peak)	3.3dBi
Polarization	Linear
Connector	IPEX 2th generation

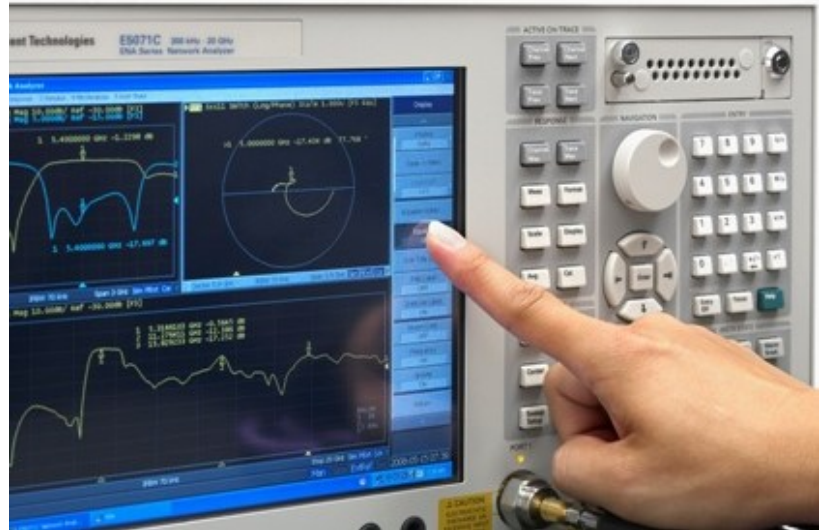
Physical Properties

Antenna Material	FPC
Cable Type	O.D.0.81//L=32mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

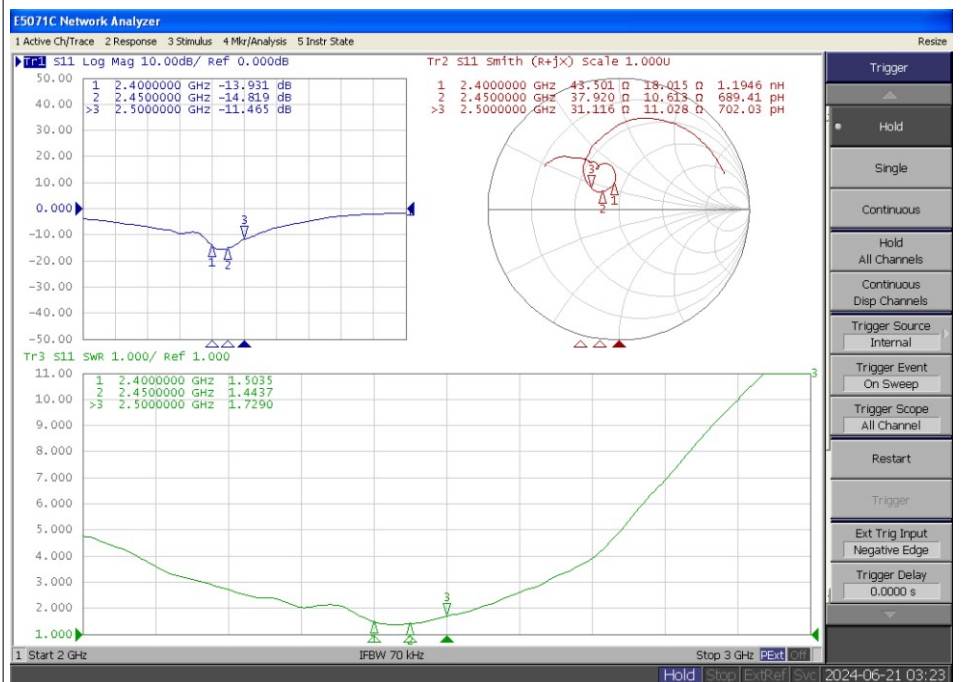


Antenna Performance Test

**Agilent
E5071C**

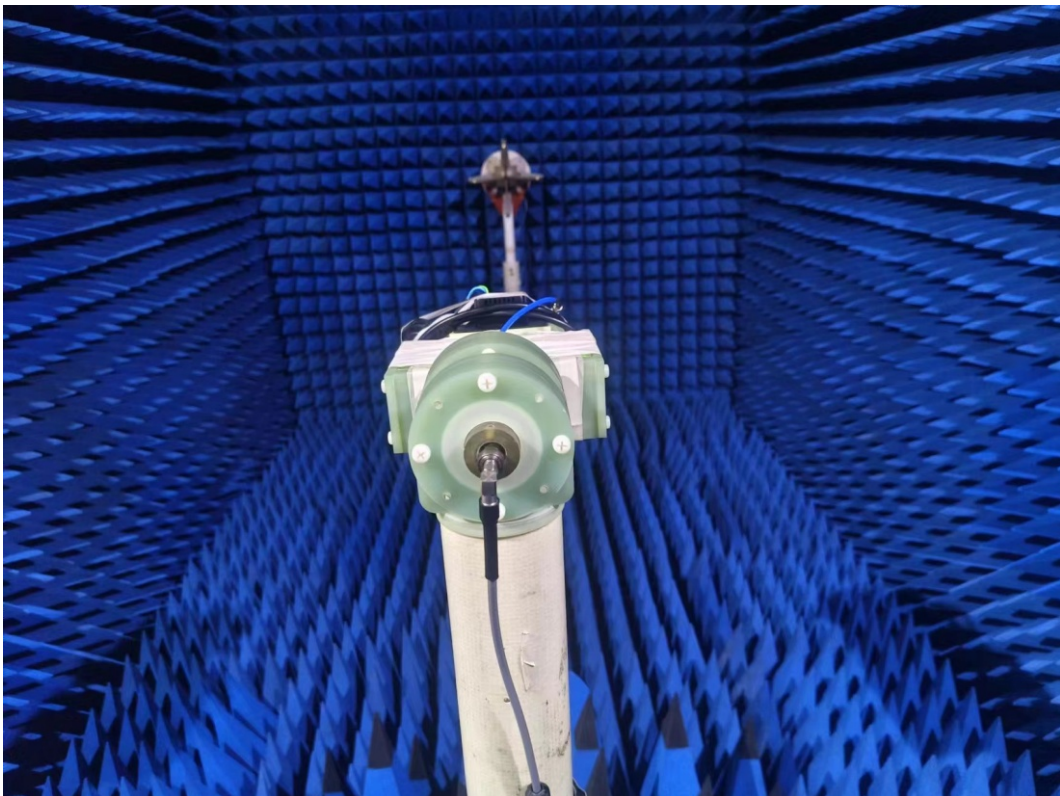
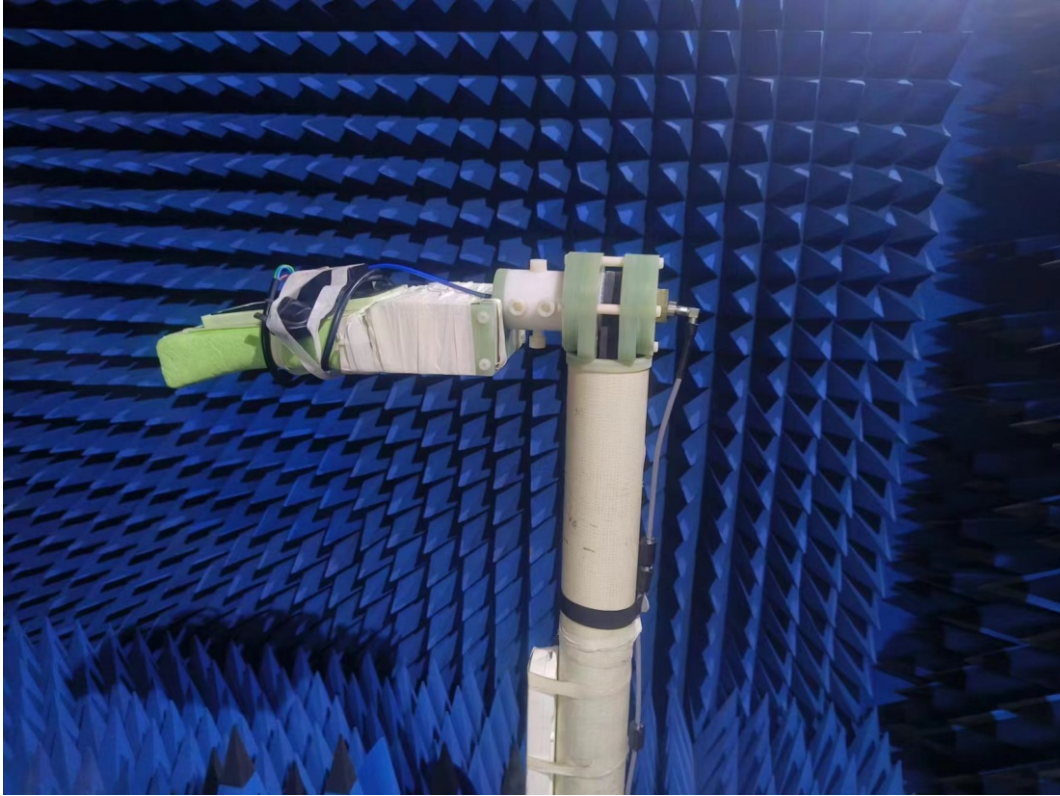


**S
Parameter
Test //
Zigbee**





Antenna Passive Test



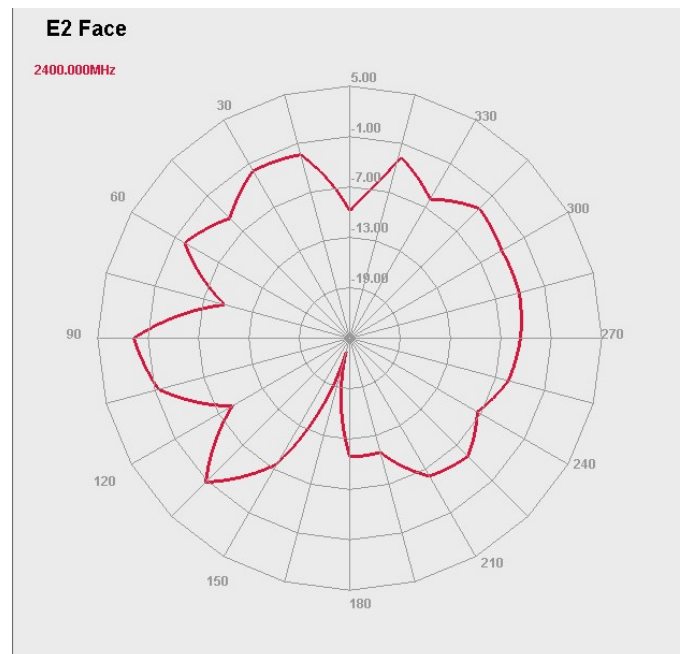
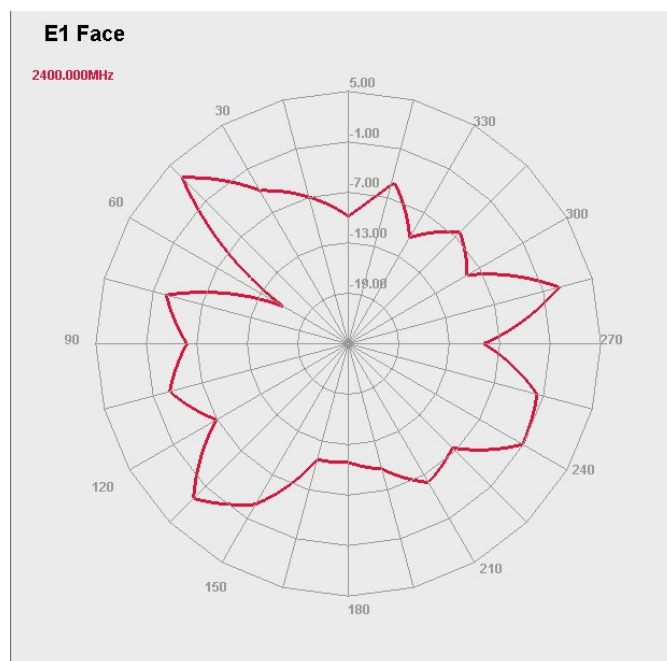
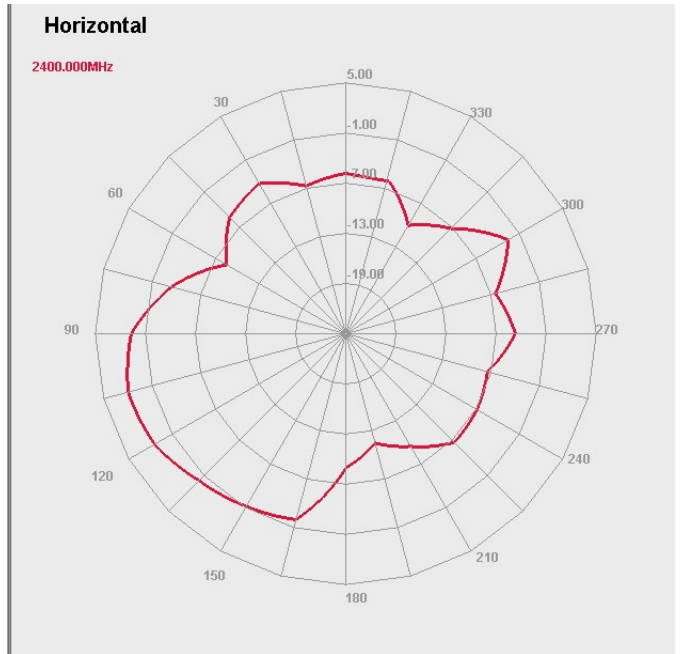
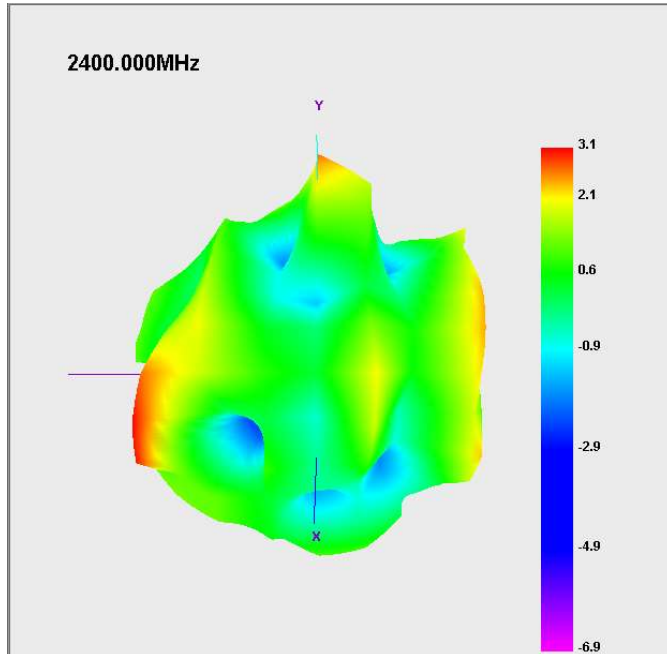


Passive Test For Zigbee

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.2	-3.7	3.1
2410	47.2	-3.3	3.3
2420	42.0	-3.8	2.8
2430	43.2	-3.7	3.0
2440	39.5	-4.0	2.4
2450	38.3	-4.2	2.5
2460	38.3	-4.2	2.3
2470	33.8	-4.7	1.9
2480	36.1	-4.4	1.8
2490	32.9	-4.8	1.4
2500	35.6	-4.5	1.4

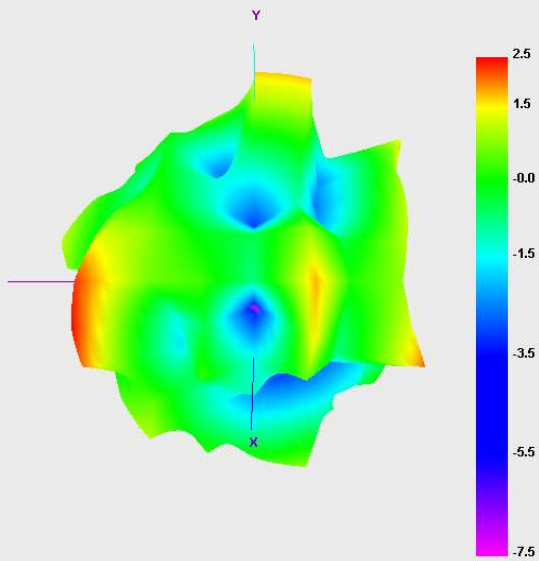


Antenna Radiation Pattern



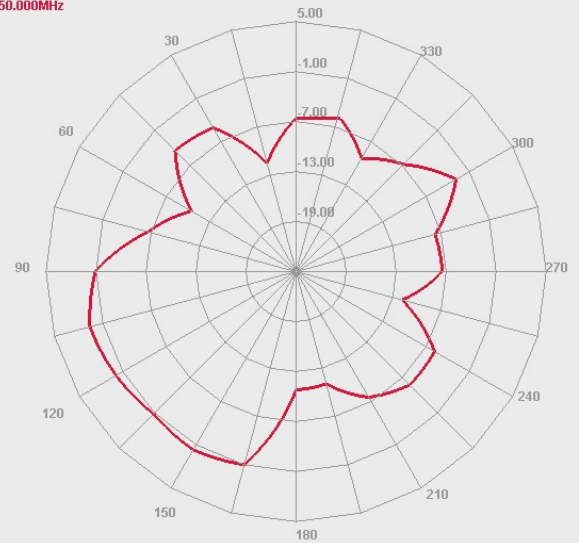


2450.000MHz



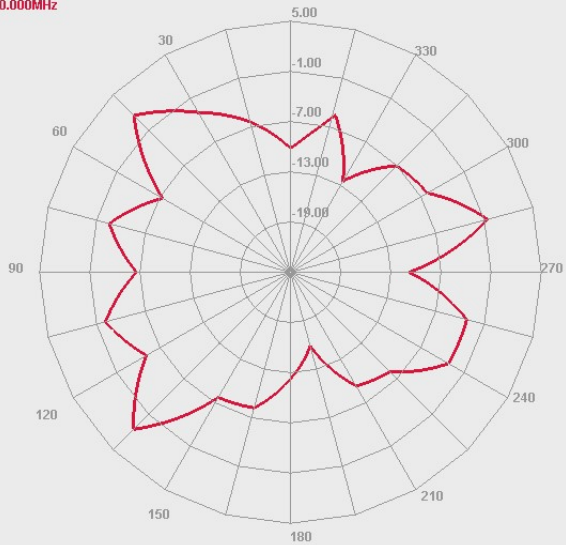
Horizontal

2450.000MHz



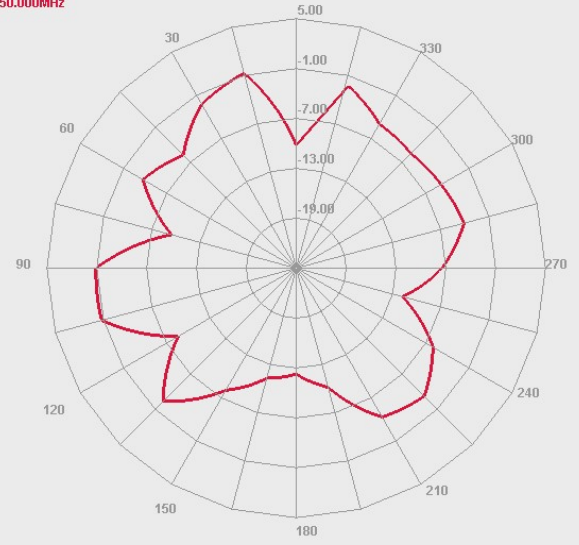
E1 Face

2450.000MHz



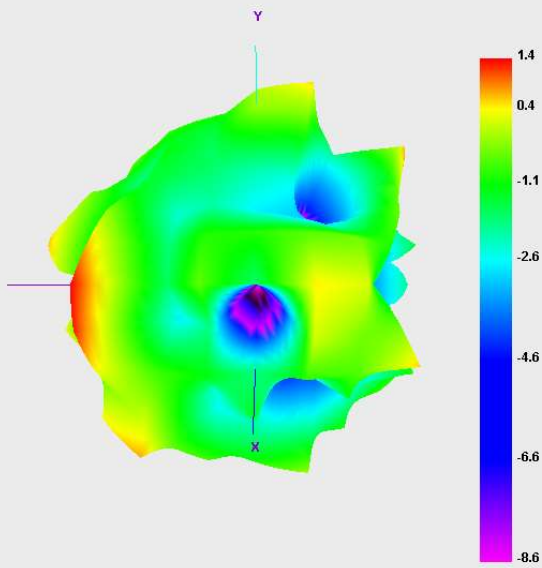
E2 Face

2450.000MHz



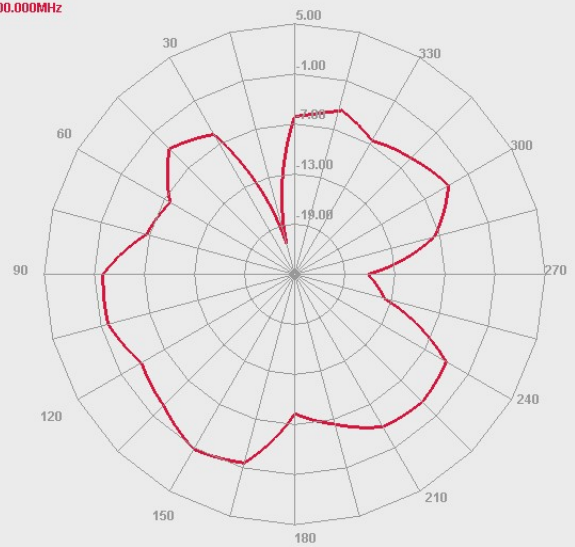


2500.000MHz



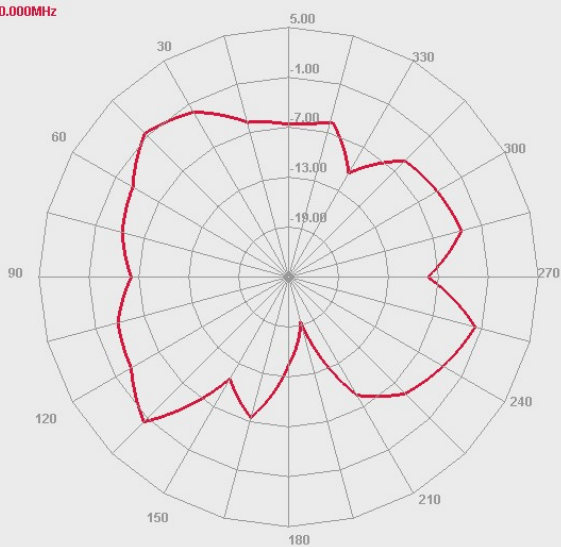
Horizontal

2500.000MHz



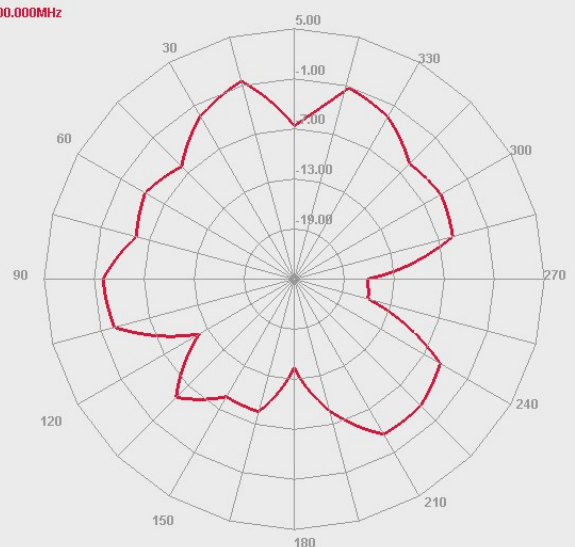
E1 Face

2500.000MHz



E2 Face

2500.000MHz



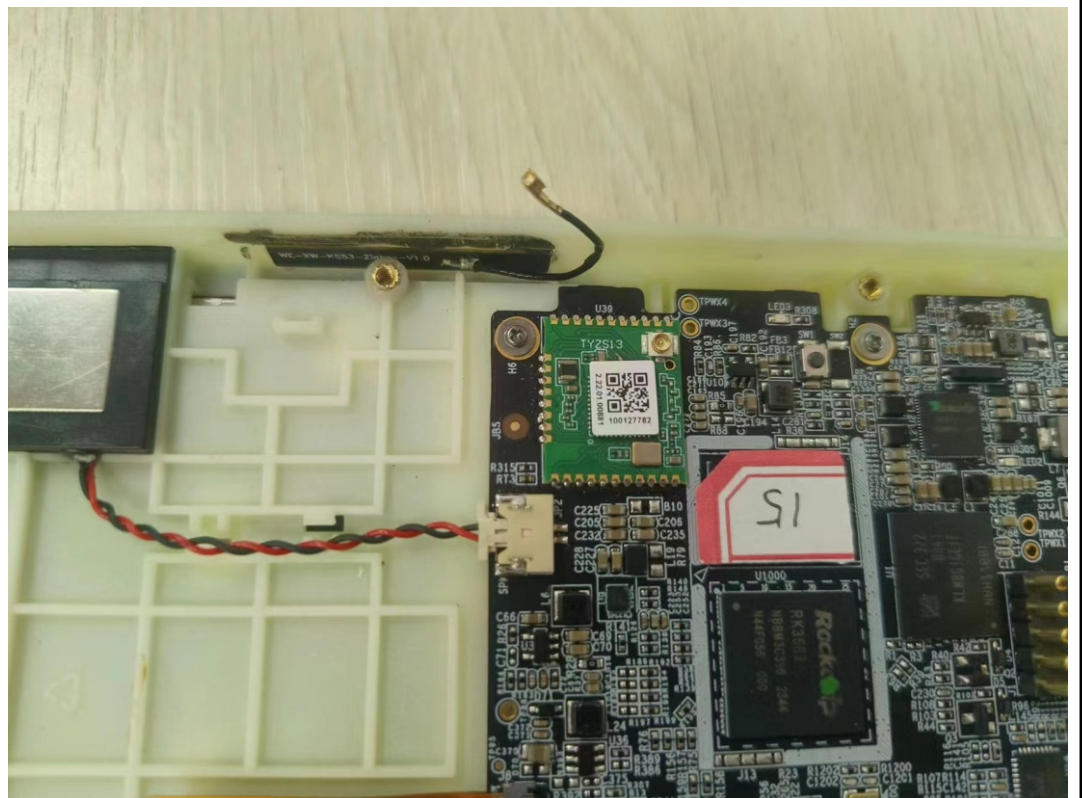


Antenna Profile

Device



*Antenna
Zigbee*





Assembly Drawing

Zigbee Antenna

