



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 24062101

File No

版本 1.0

Revision

客户 Akuvox

CUSTOMER: _____

客户料号 KS53

CUSTOMER NO: _____

品名 WIFI Antenna L=72mm MHF

PART NAME: _____

供方料号 WE007N.F0158.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

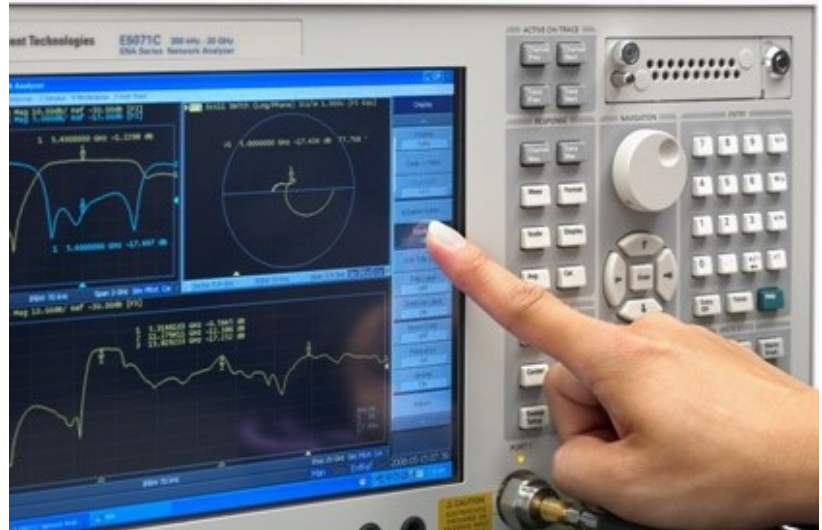
Antenna Specification

Electrical Properties	
Frequency	2400~2500MHz 5150~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	< 3.3
Return Loss	< -5
Radiation	Omni-directional
Gain (Peak)	2.9dBi
Polarization	Linear
Connector	IPEX 4th Generation
Physical Properties	
Antenna Material	FPC
Cable Type	O.D.1.13//L=72mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

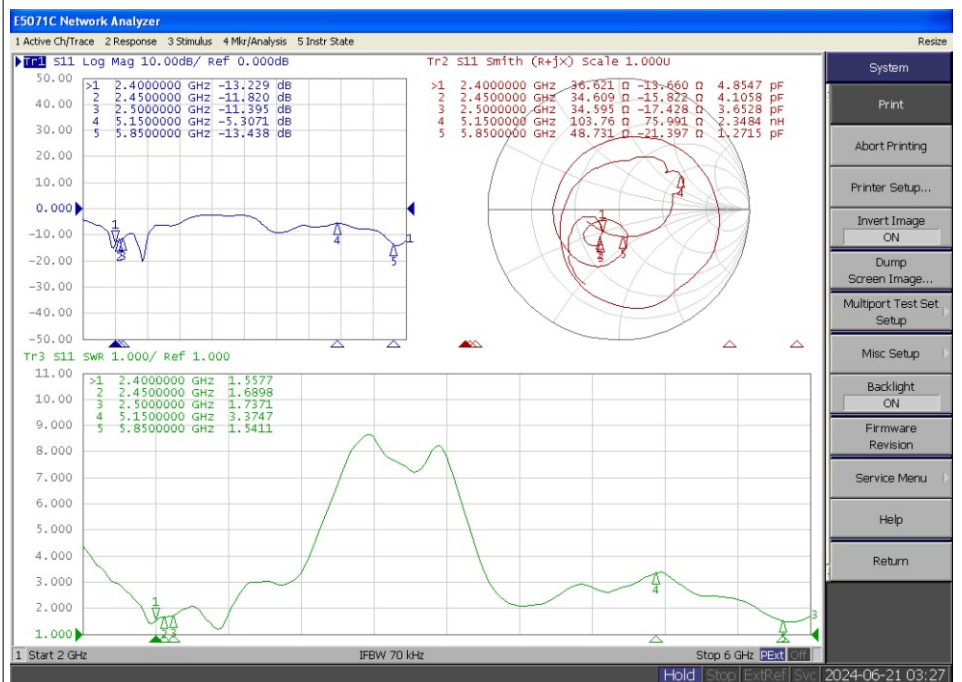


Antenna Performance Test

*Agilent
E5071C*

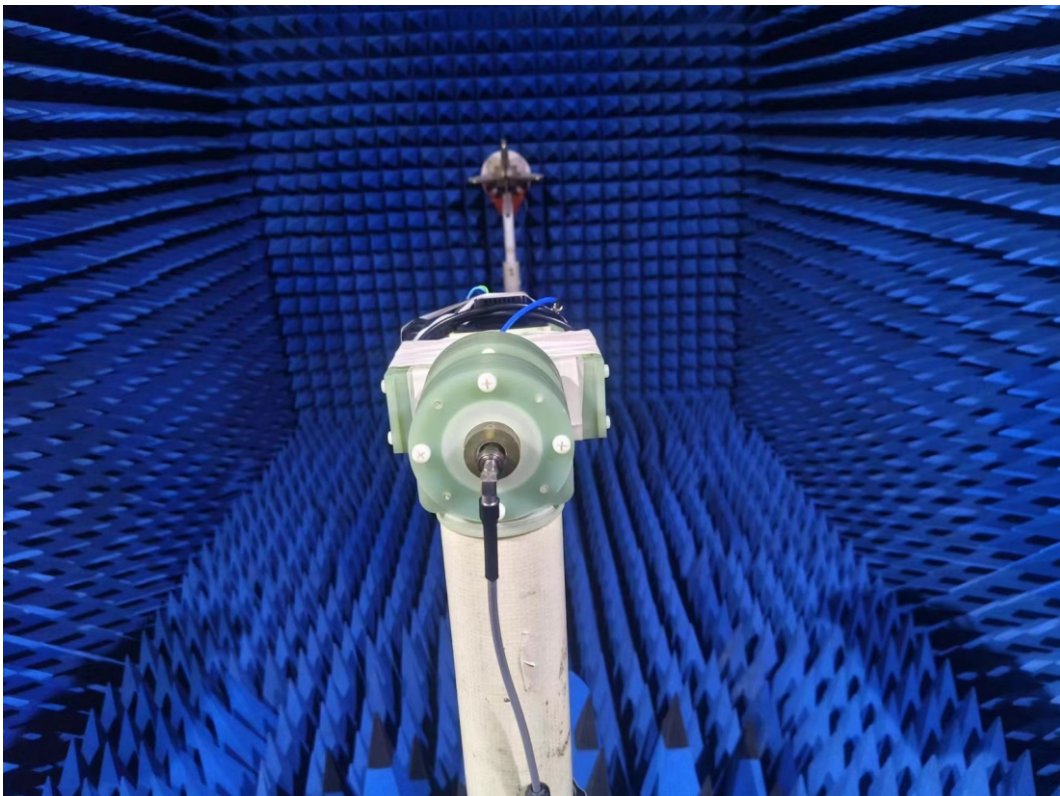
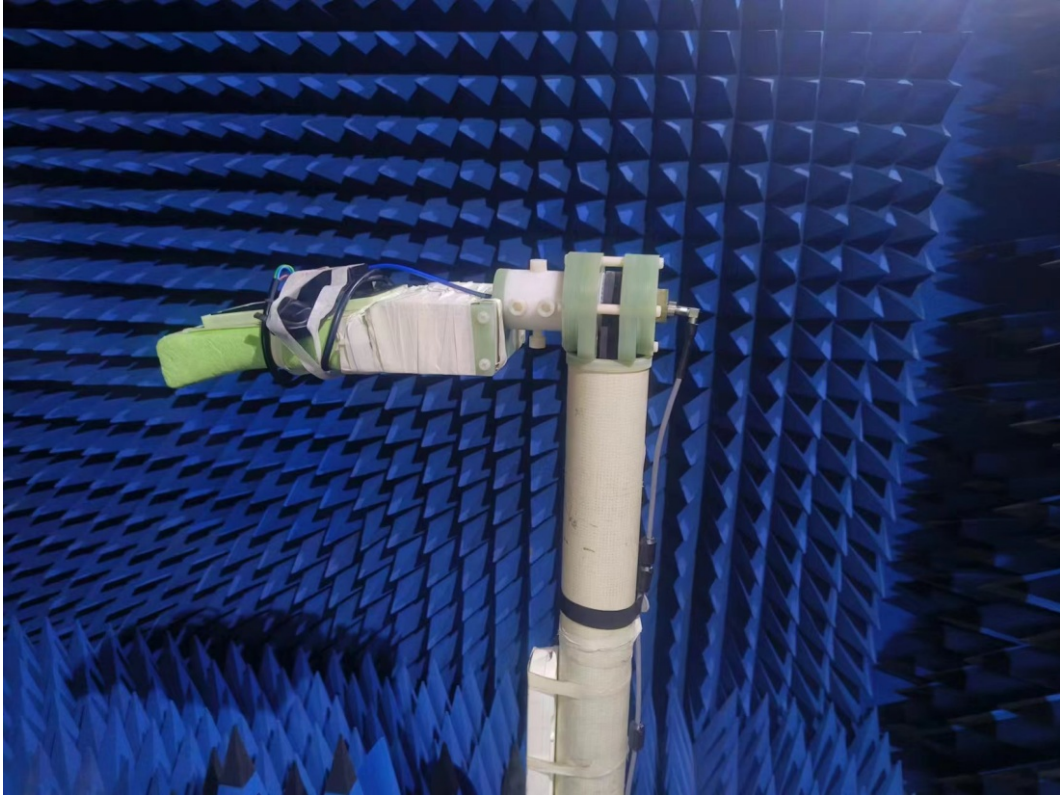


*S
Parameter
Test //
WIFI*





Antenna Passive Test





Passive Test For WIFI

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	34.6	-4.3	-0.1
2410	34.8	-4.3	0.8
2420	31.0	-4.9	0.1
2430	30.5	-4.9	0.3
2440	27.8	-5.4	0.9
2450	27.4	-5.5	0.7
2460	26.0	-5.8	1.2
2470	28.0	-5.4	1.3
2480	28.4	-5.3	0.9
2490	35.6	-4.1	1.4
2500	35.1	-4.2	0.3

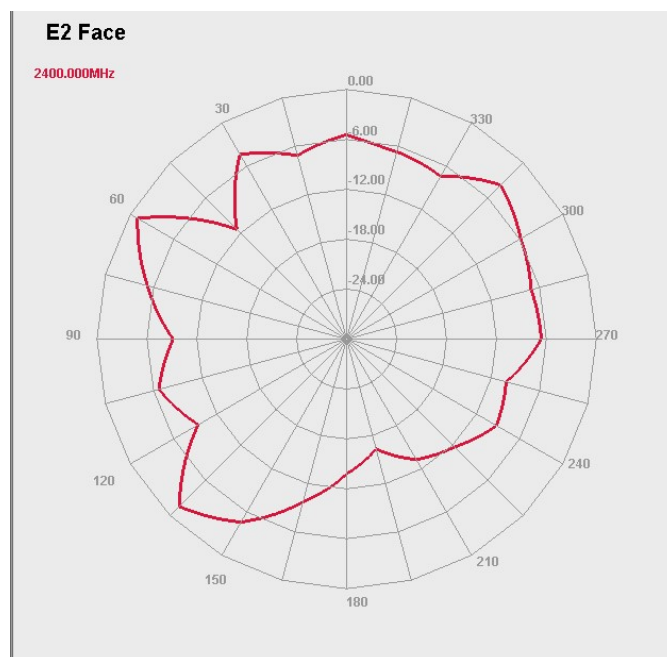
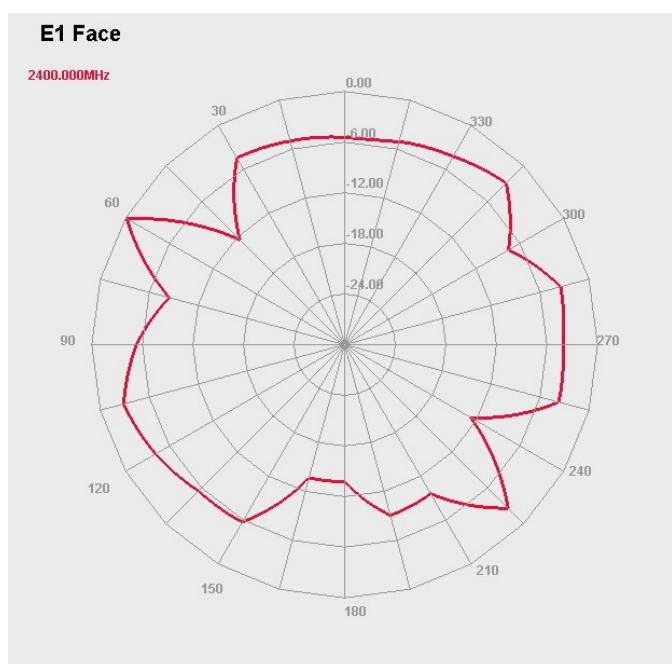
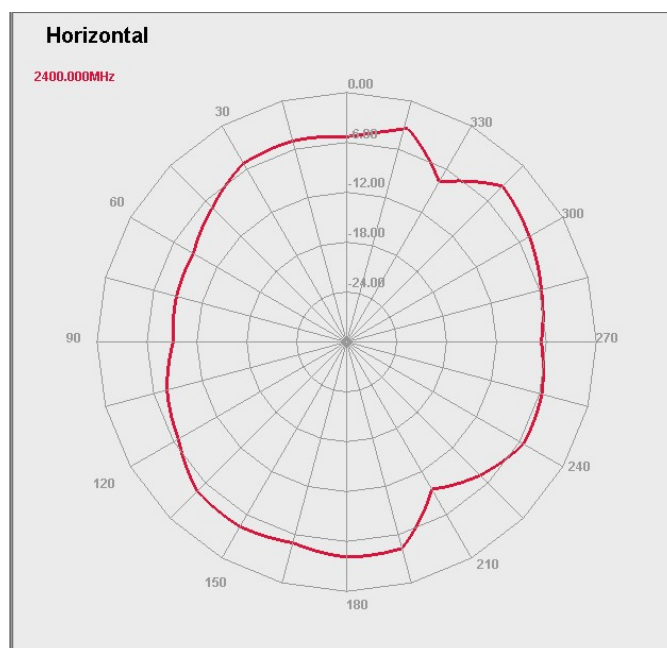
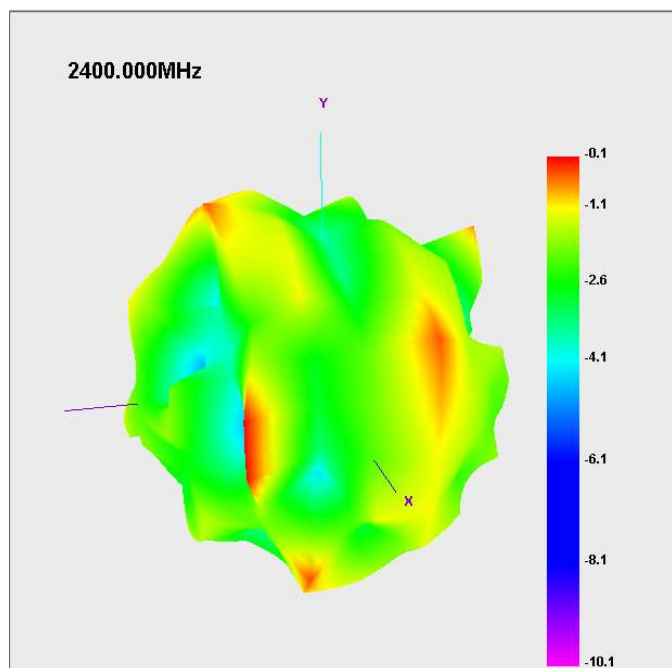


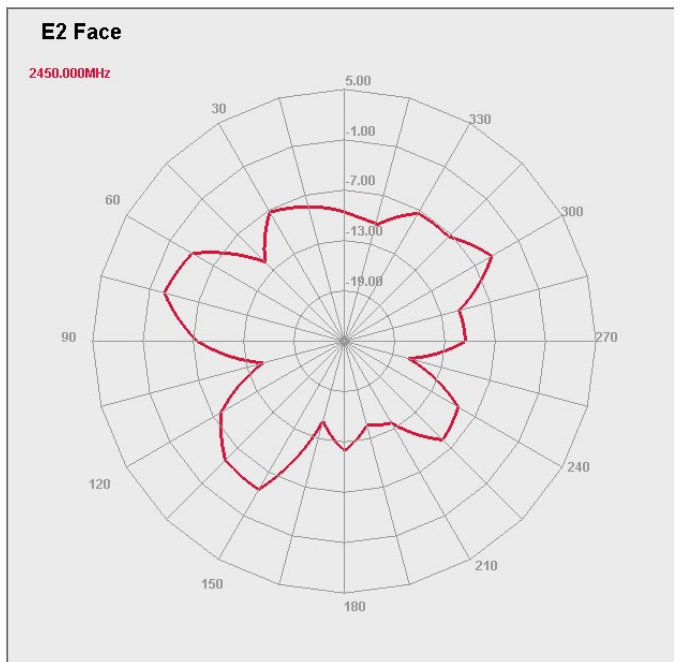
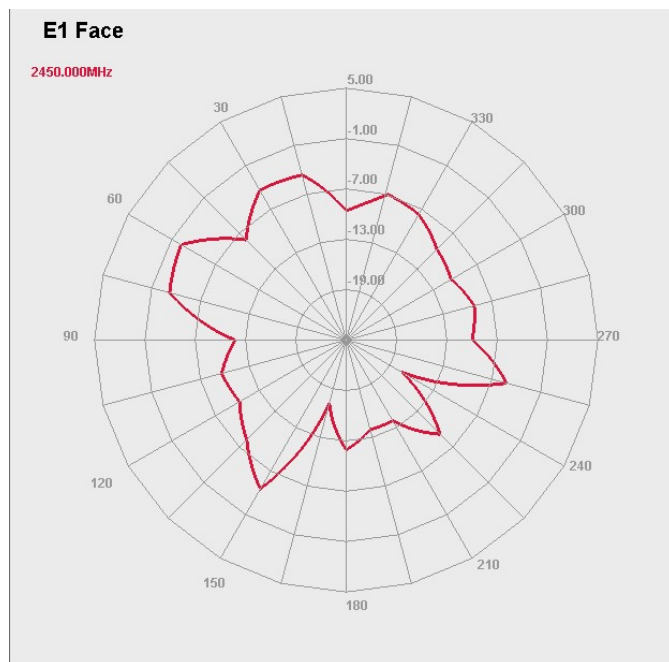
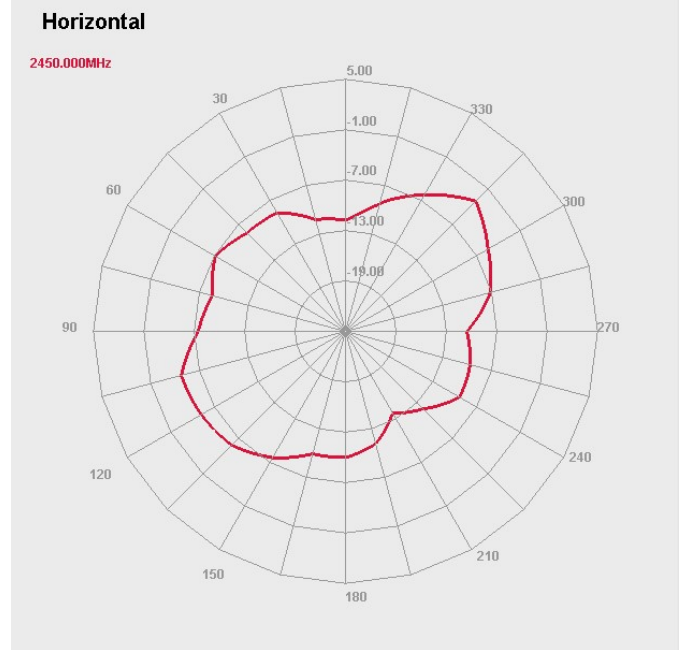
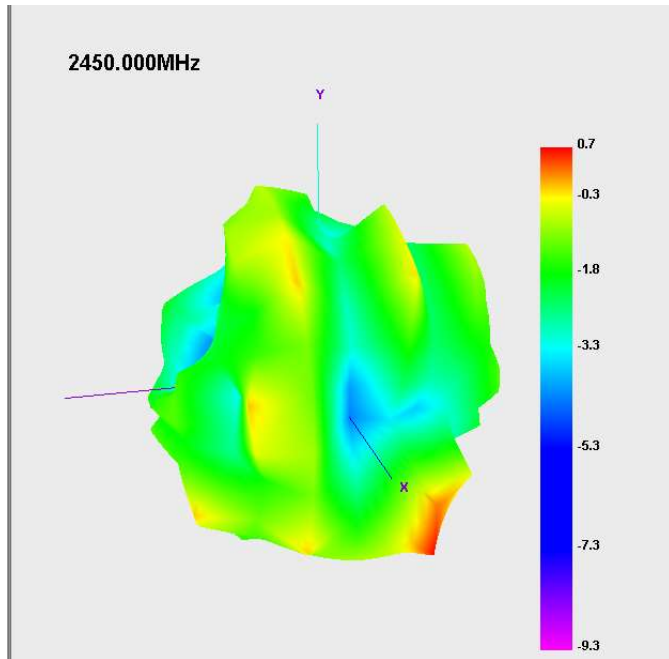
Passive Test For WIIF

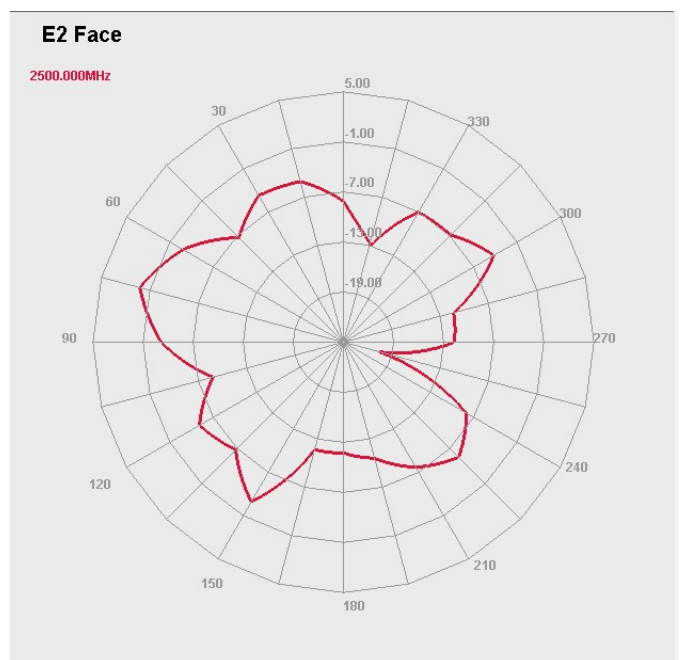
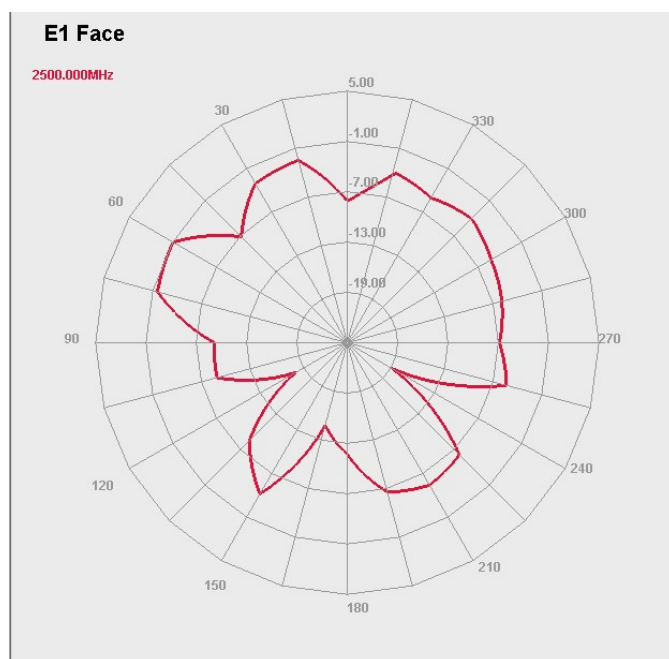
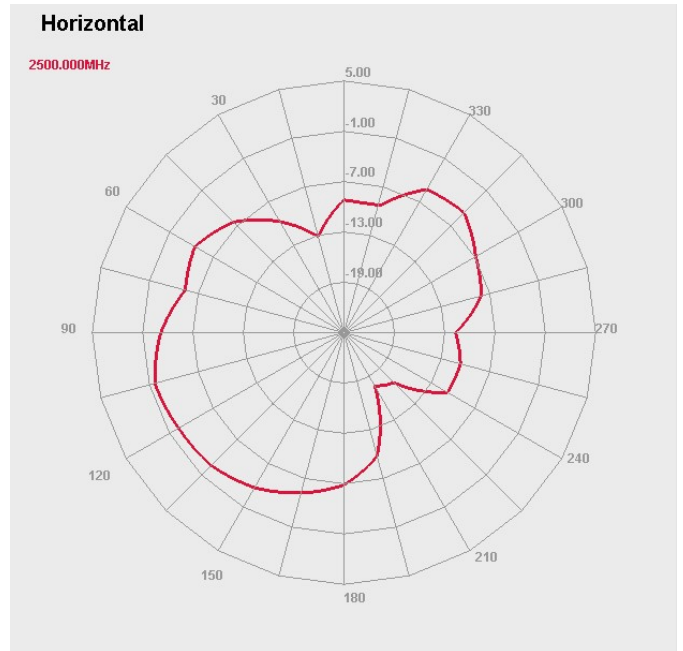
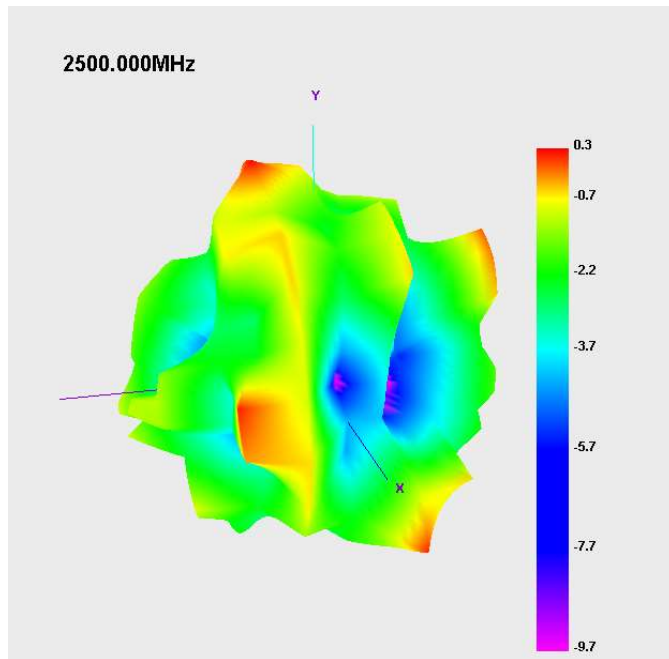
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	21.9	-6.6	-0.6
5200	22.9	-6.4	0.3
5250	25.7	-5.9	0.7
5300	27.1	-5.7	0.8
5350	26.0	-5.8	0.7
5400	25.7	-5.9	0.8
5450	28.1	-5.5	-0.2
5500	31.7	-5.0	0.8
5550	36.5	-4.4	1.2
5600	39.3	-4.1	2.7
5650	36.1	-4.4	2.5
5700	32.0	-5.0	2.1
5750	32.8	-4.8	1.8
5800	31.8	-5.0	1.8
5850	35.0	-4.6	2.9

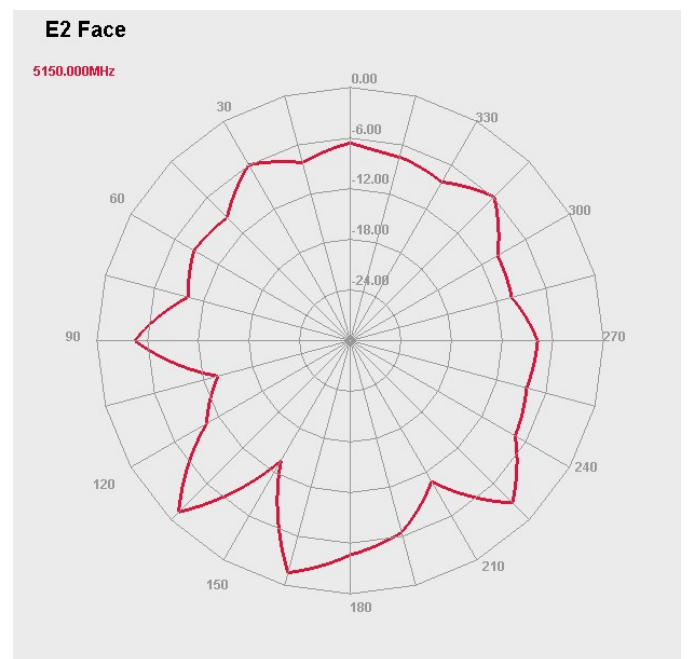
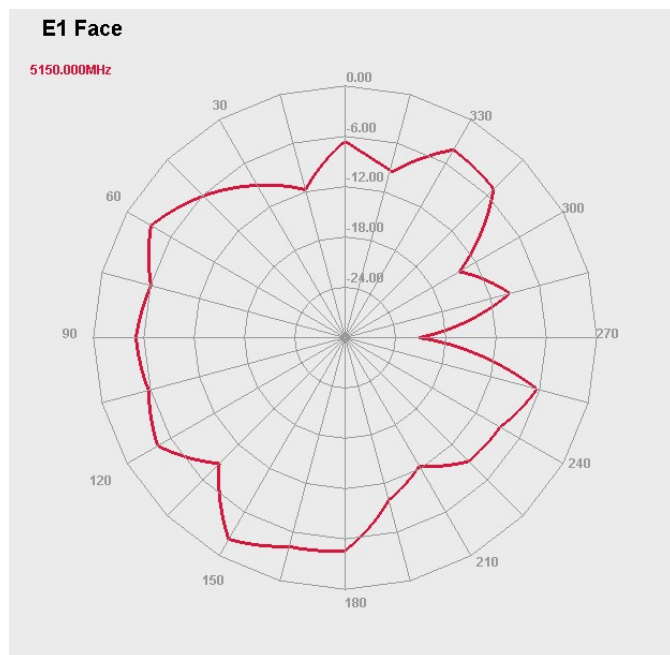
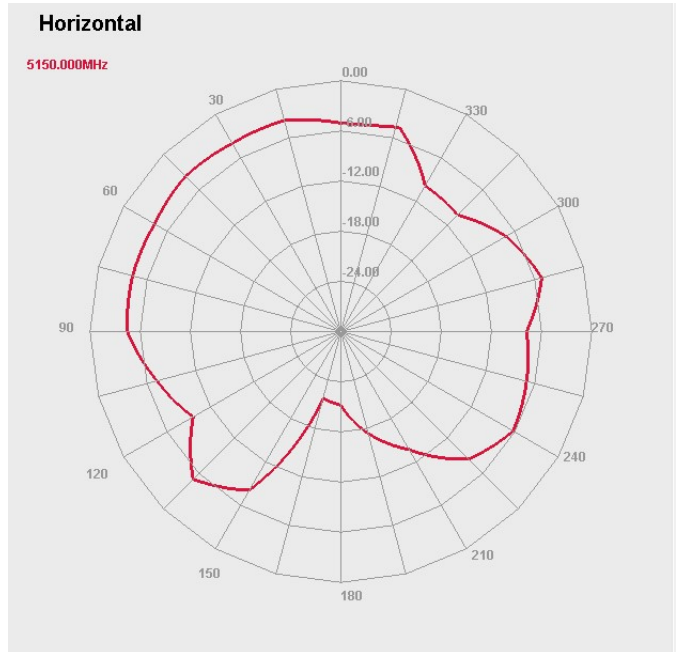
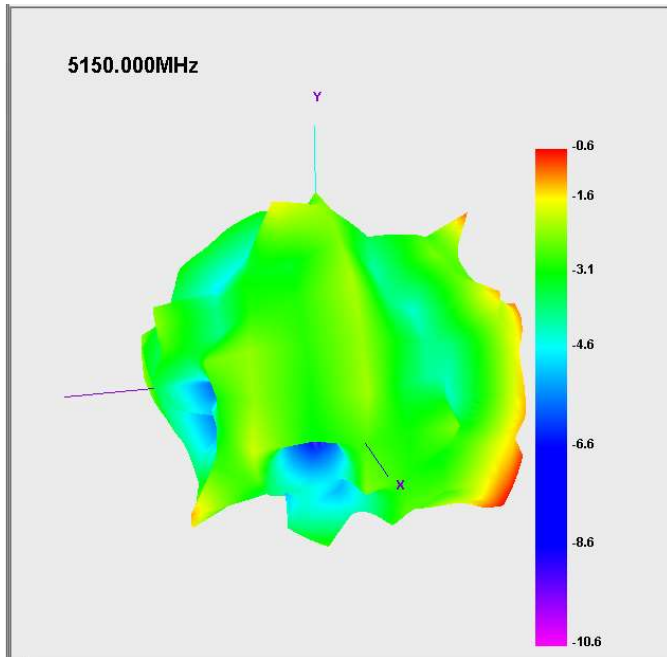


Antenna Radiation Pattern



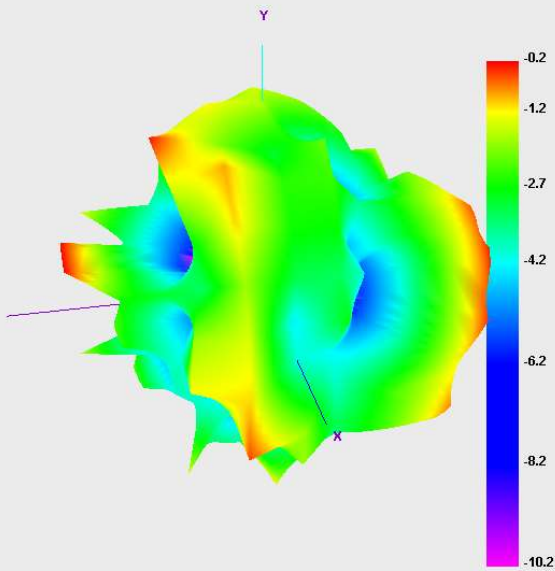






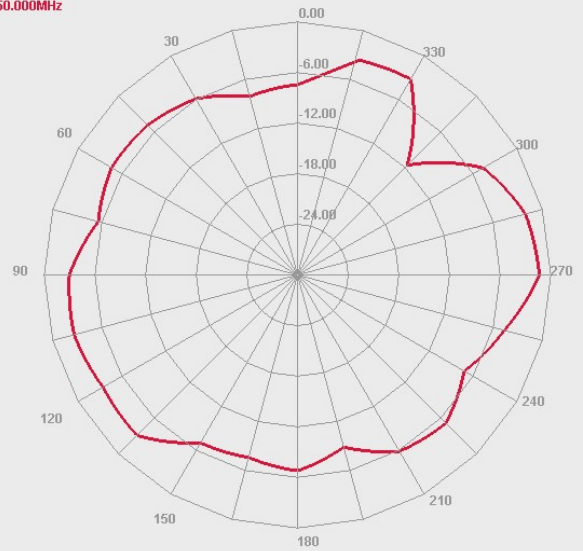


5450.000MHz



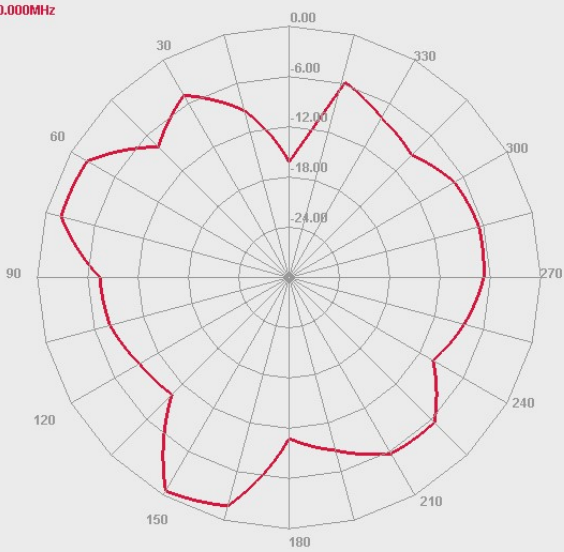
Horizontal

5450.000MHz



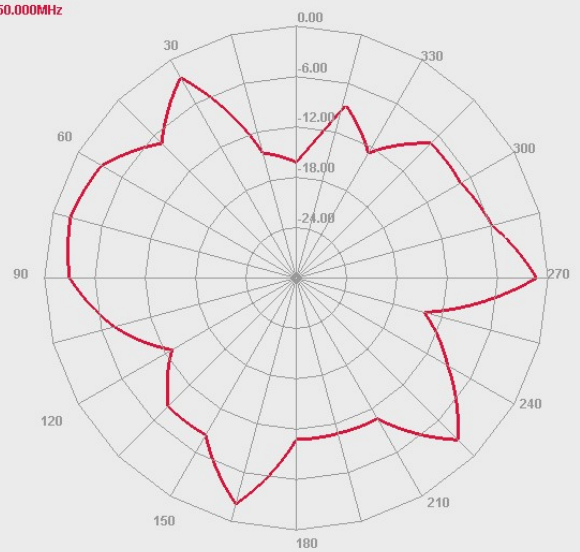
E1 Face

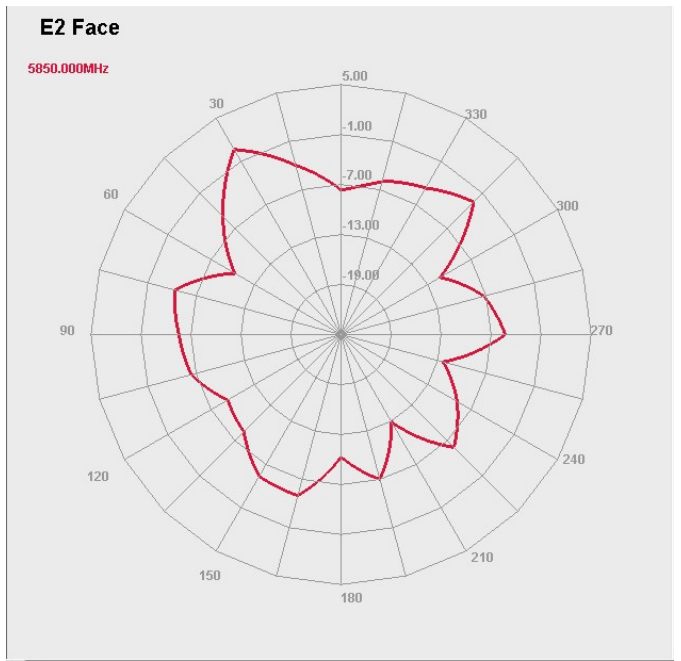
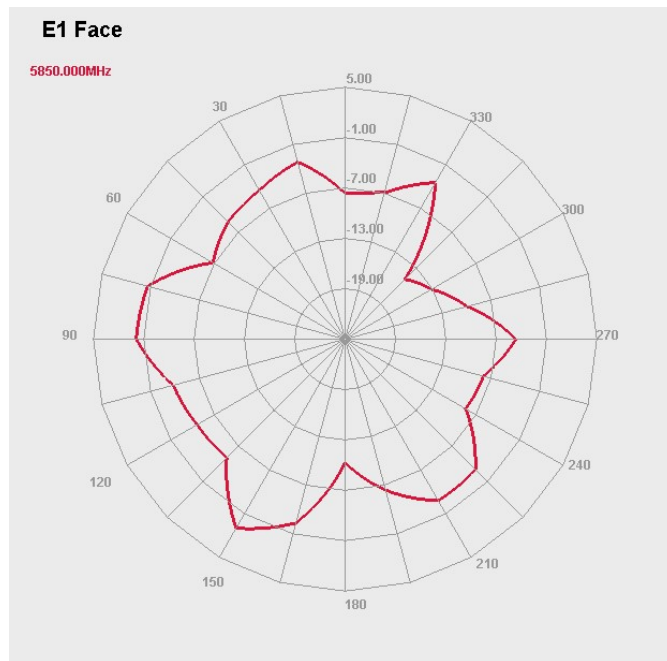
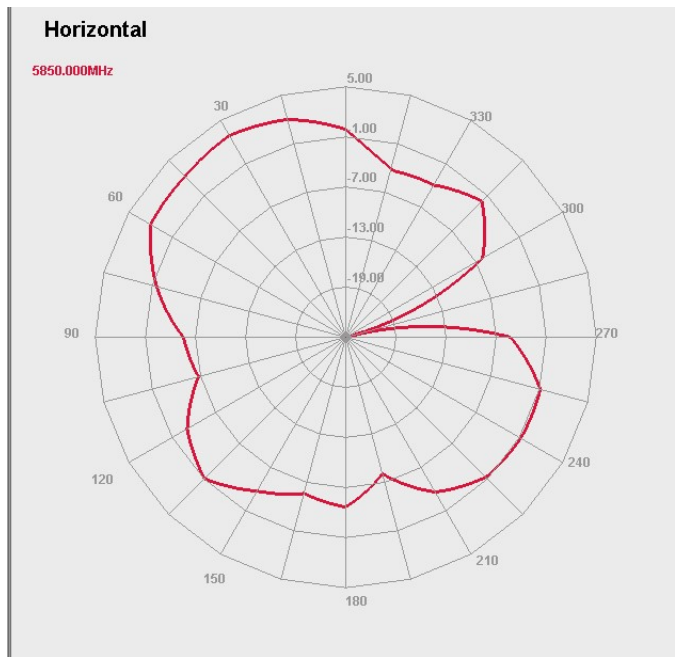
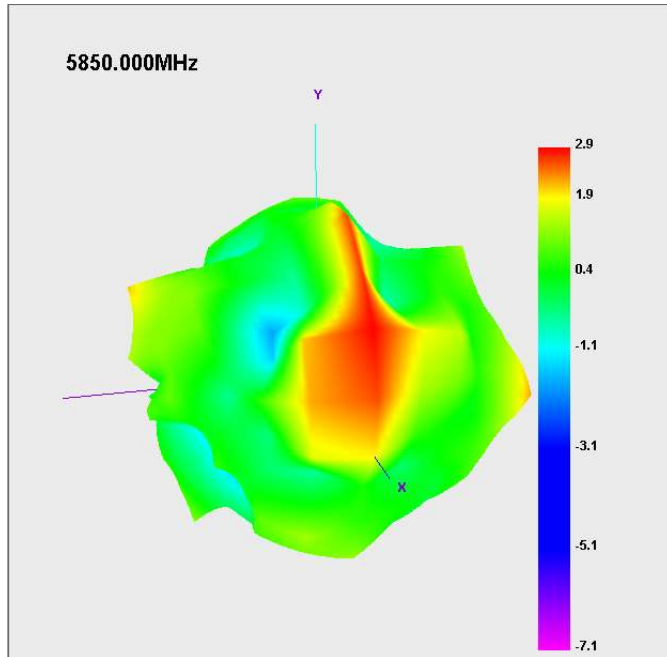
5450.000MHz



E2 Face

5450.000MHz





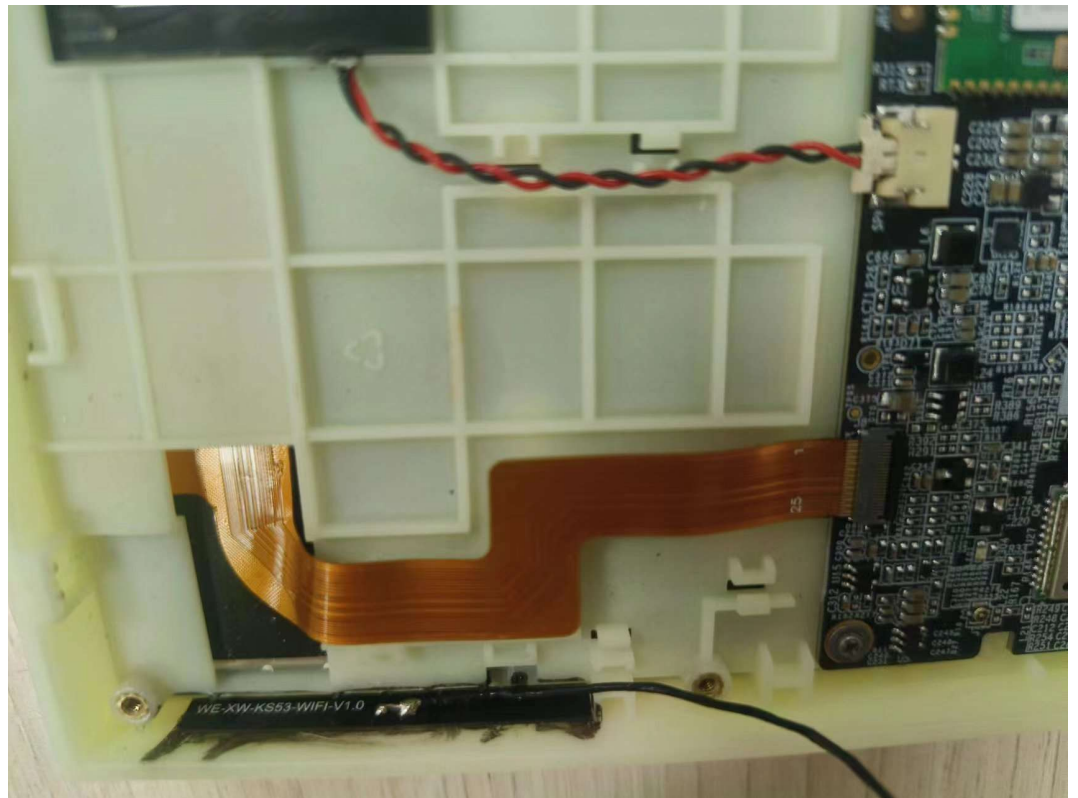


Antenna Profile

Device

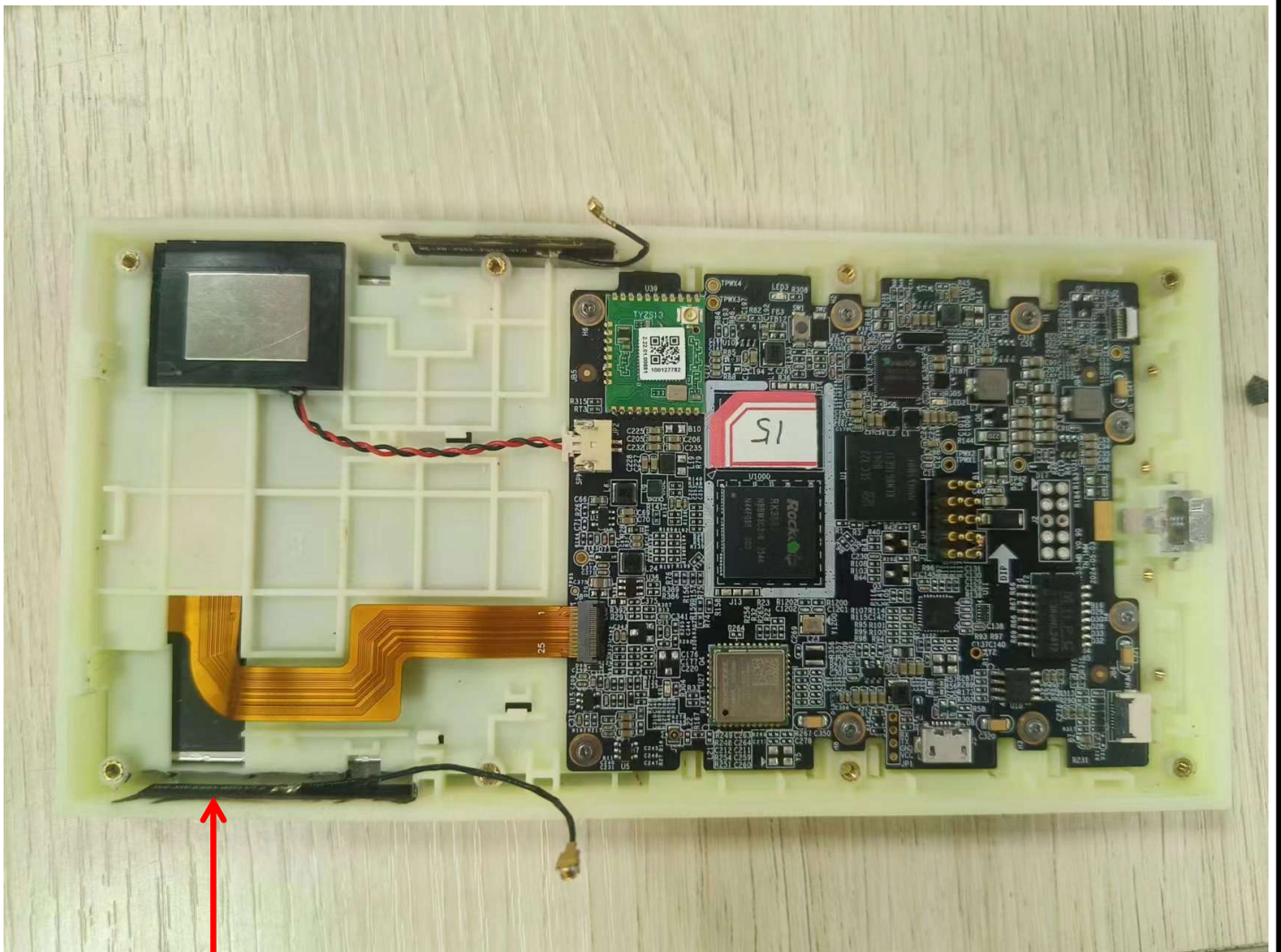


*Antenna
WIFI*





Assembly Drawing



WIIF Antenna