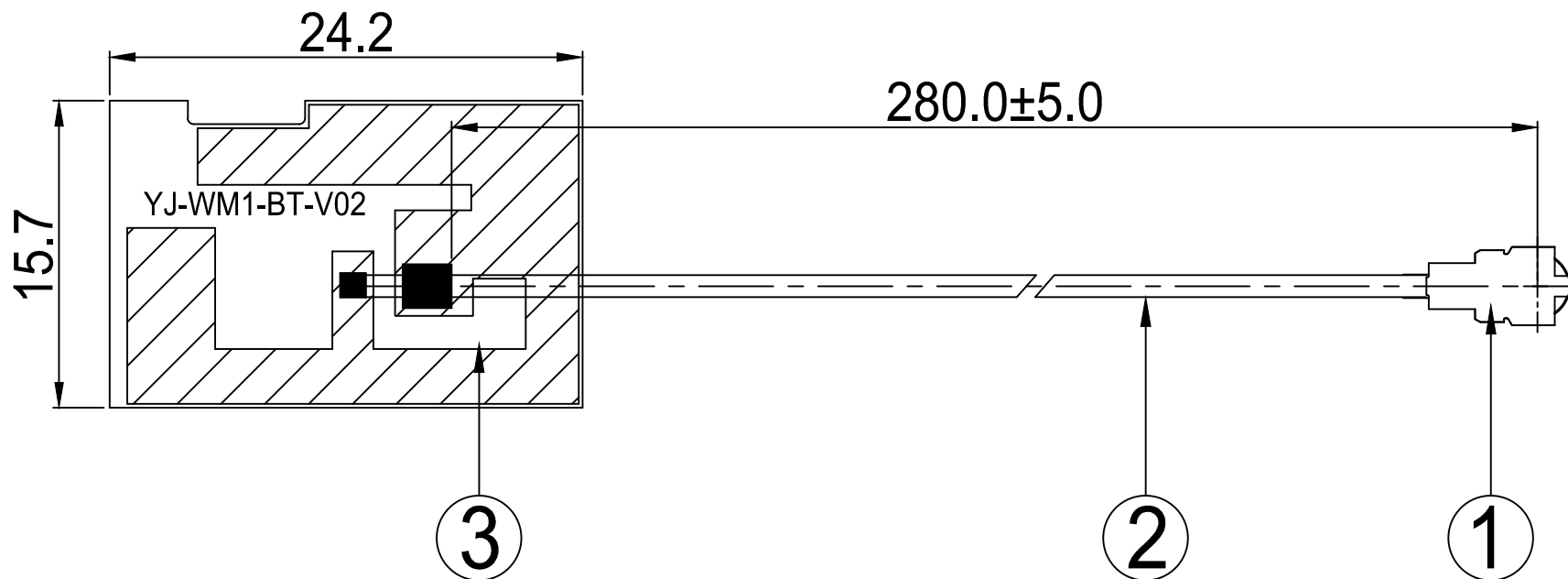


RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	首次发行	2023-07-05
B	修改FPC、线长	2023-09-21



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

PART NAME: BT Antenna L=280.0mm MHF

PART NO.: YJL01.102.023.302A

DATE: 2023-09-21

APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
何清军	林斌	陈俊	UNITS: mm	X.X ±0.50
			SCALE: 1/1	X.XX±0.15
			REVISION: B	X° ±3°

3	FPC	24.2*15.7mm	FPC	FPC11XXXA.P01	1
2	Coaxial Cable	O.D.1.13 Gray Low Loss	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Electrical Properties

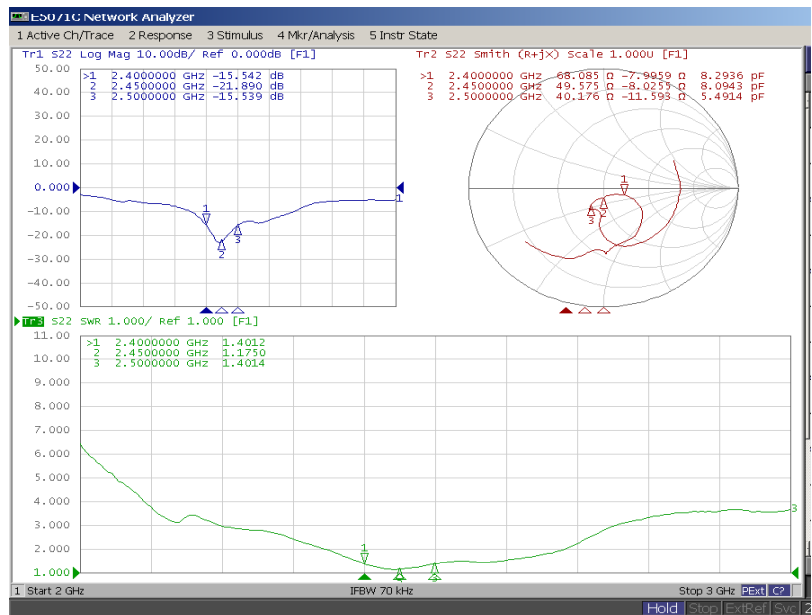
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	5.7 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

Connector	1代IPEX
Cable Type	O.D.1.13mm低损耗
Cable Length	280mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

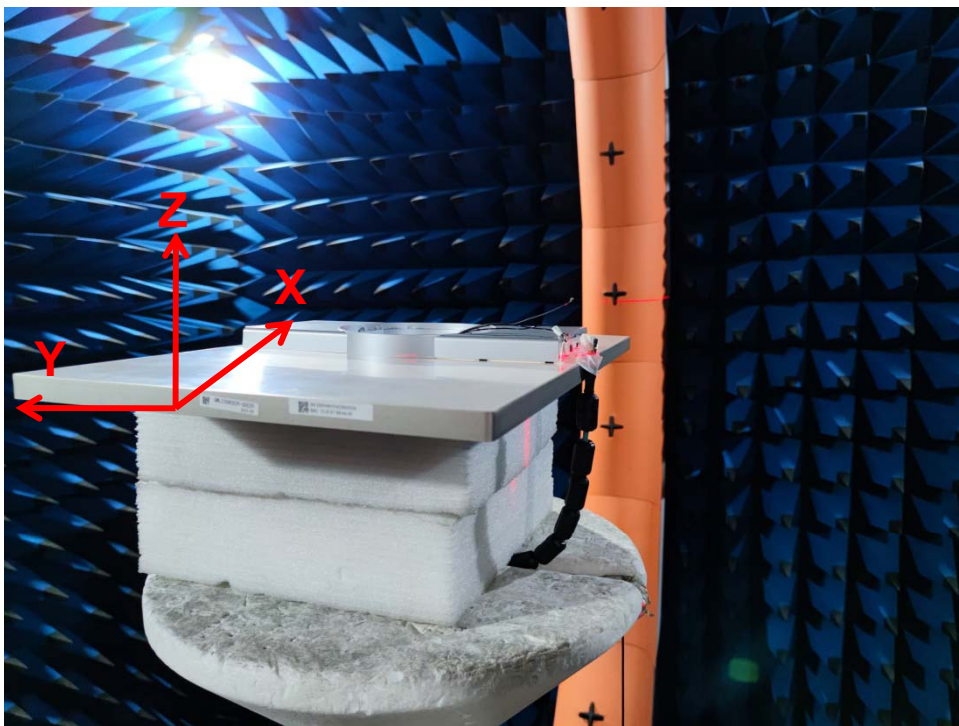
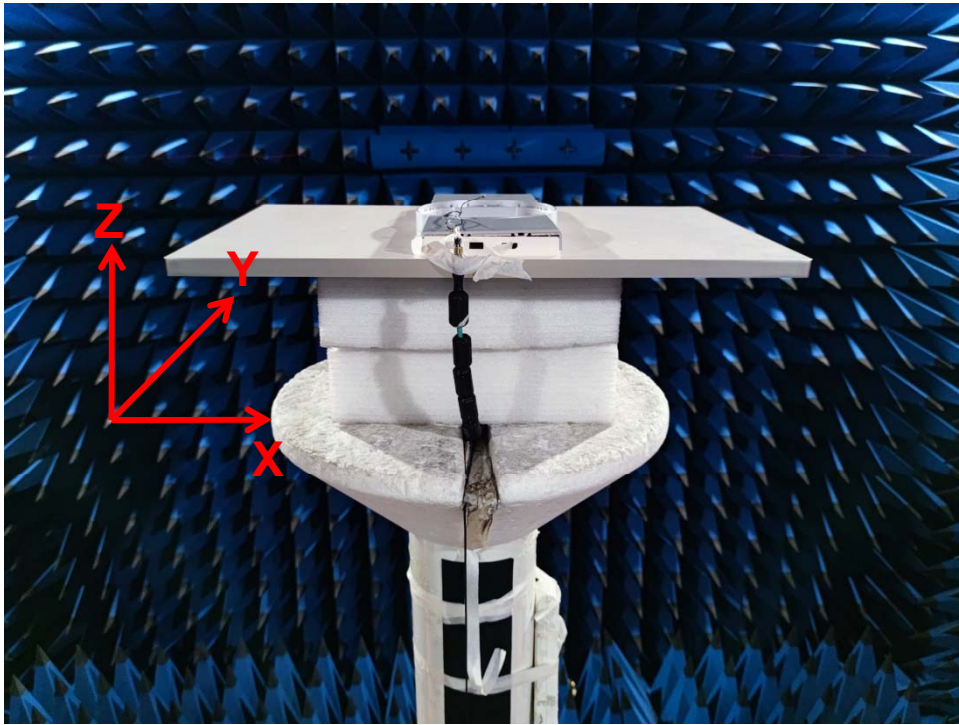


Agilent E5071C S Parameter Test // BT Antenna





Antenna Passive Test

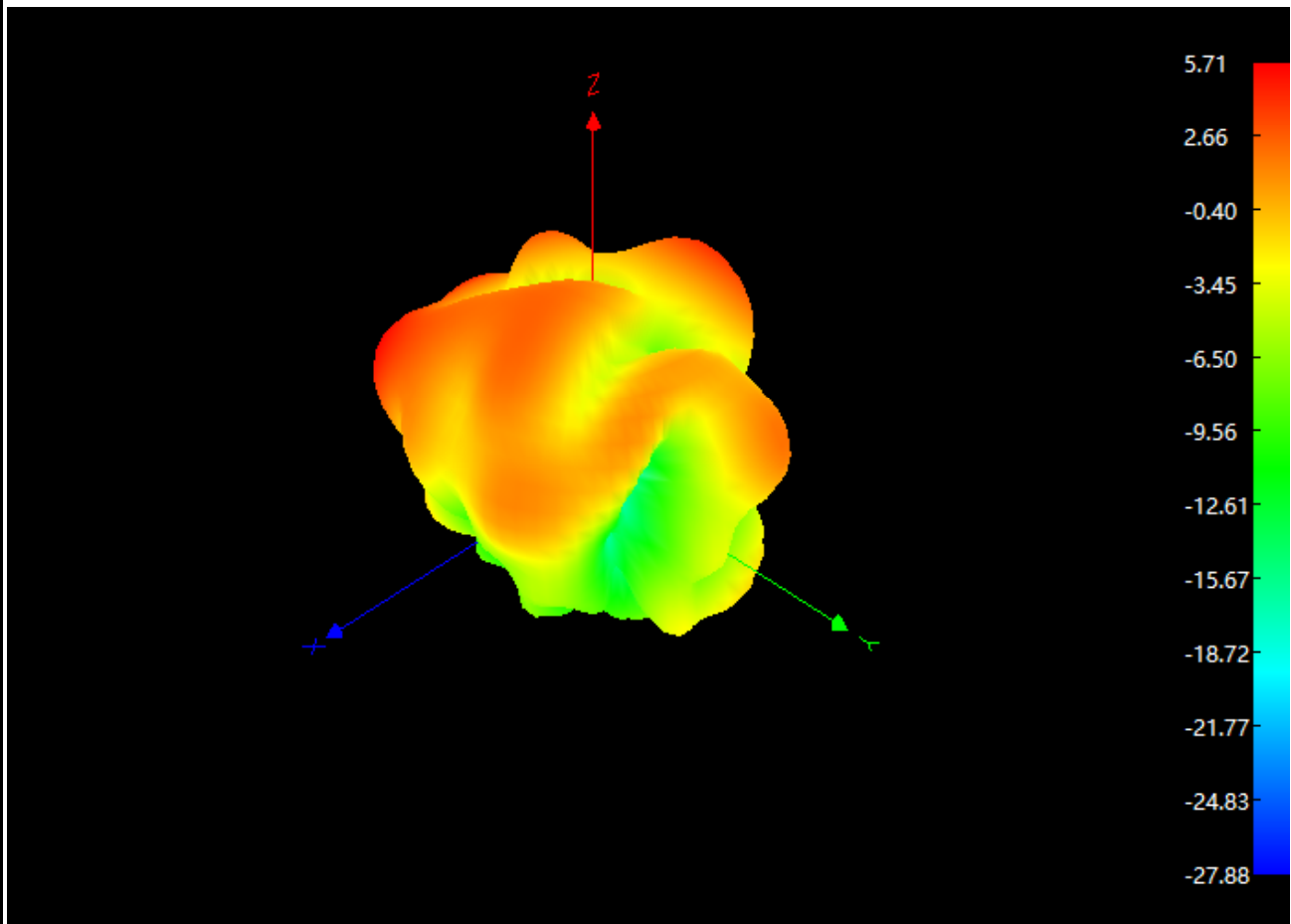




Passive Test For BT Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	61.2	-2.1	4.9
2410	62.1	-2.1	4.8
2420	63.0	-2.0	5.2
2430	65.9	-1.8	5.7
2440	68.2	-1.7	5.7
2450	66.5	-1.8	5.7
2460	66.1	-1.8	5.2
2470	67.0	-1.7	5.1
2480	66.6	-1.8	4.9
2490	66.6	-1.8	5.0
2500	64.3	-1.9	4.6



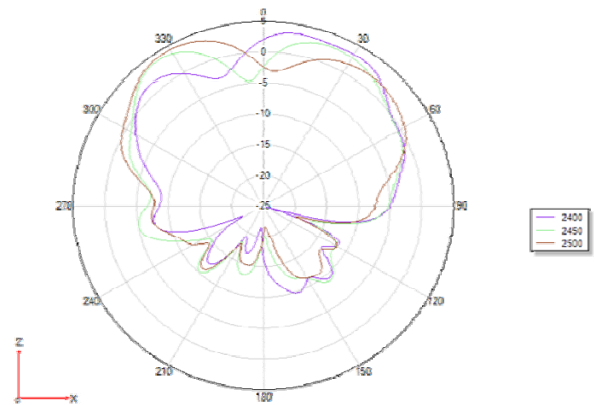
Radiation Pattern For BT Antenna



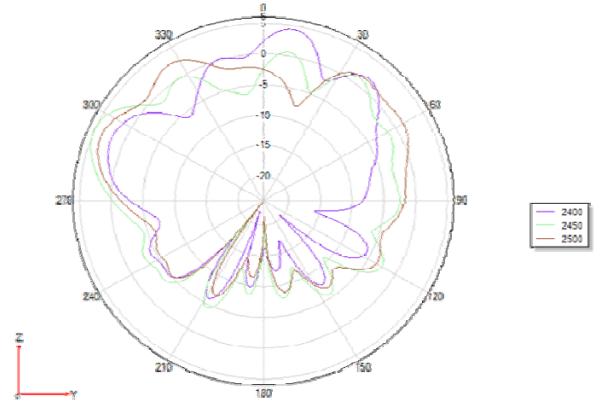


Radiation Pattern For BT Antenna

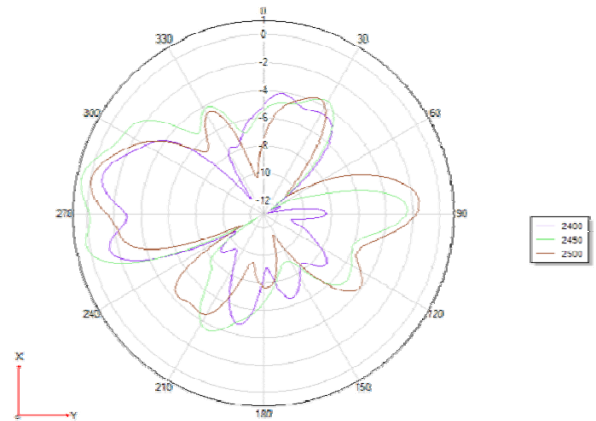
Phi 0°



Phi 90°



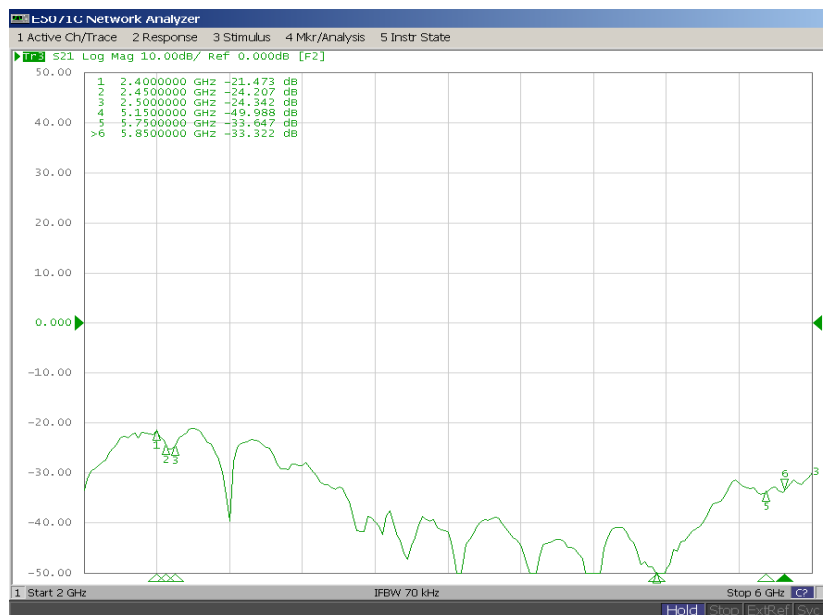
Theta 90°





Isolation Test

**Agilent
E5071C
S
Parameter
Test //
WiFi0
&
BT
Antenna**





**Agilent
E5071C
S
Parameter
Test //
WiFi1
&
BT
Antenna**





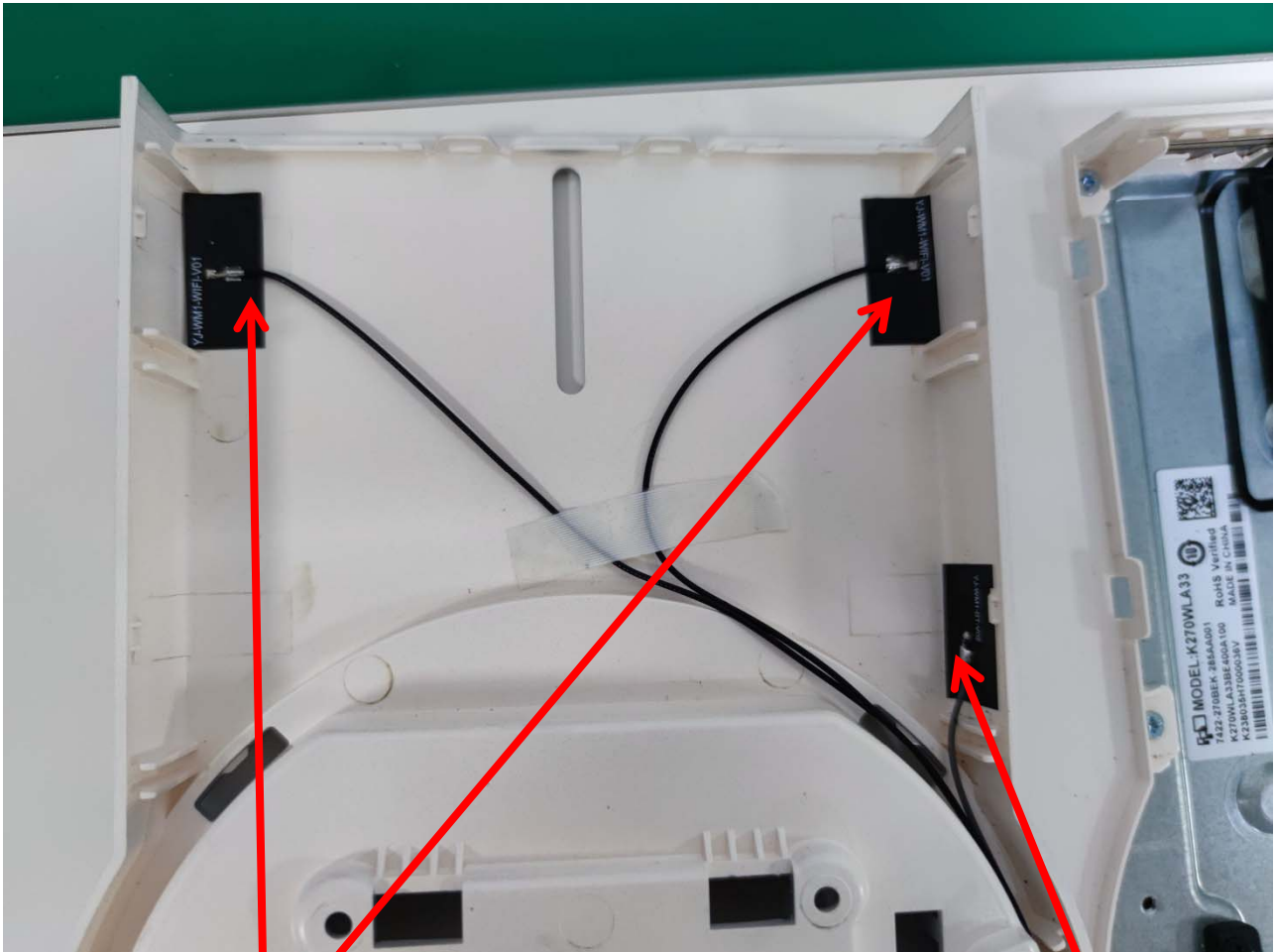
Device





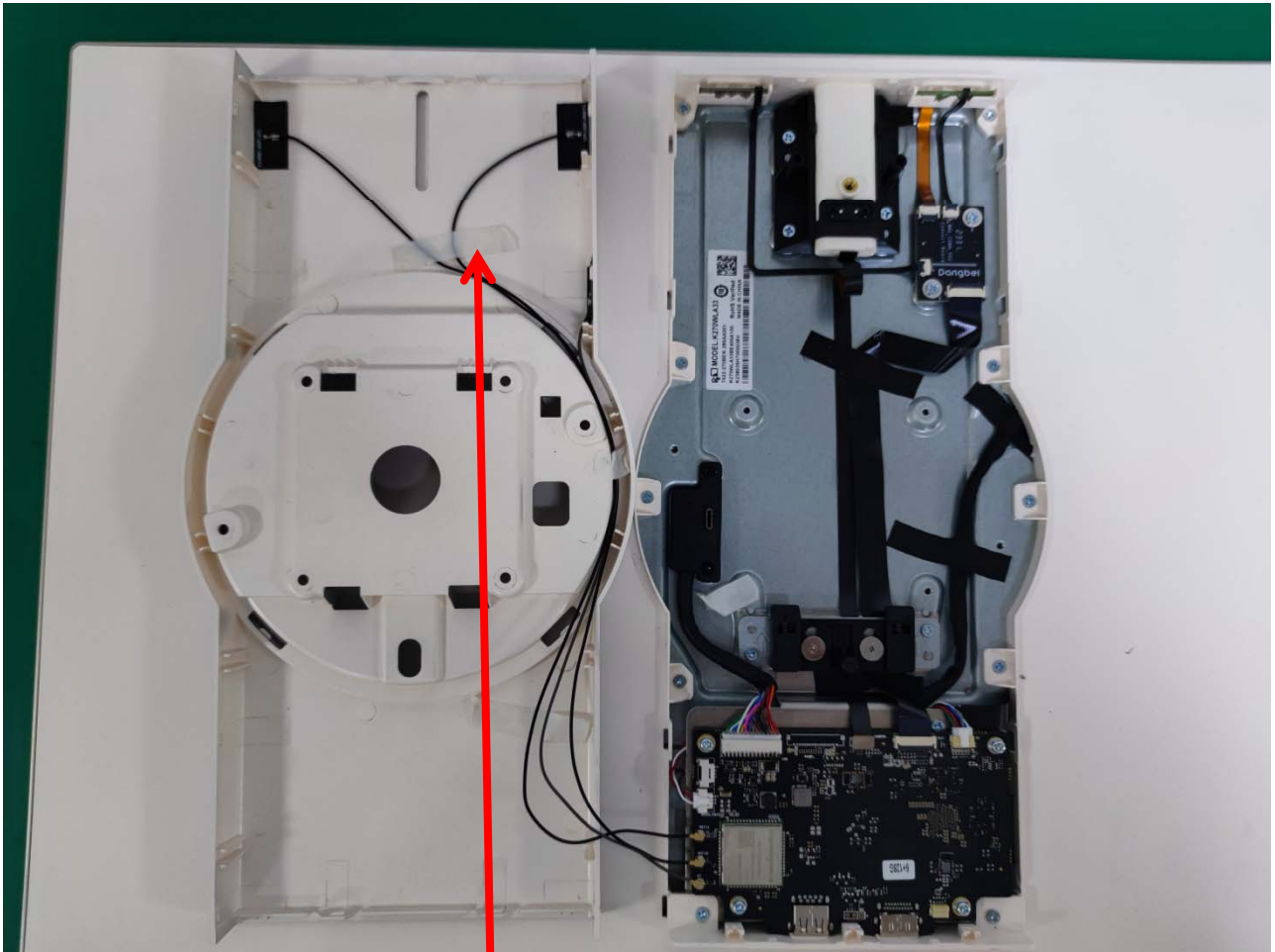
Antenna BT





WiFi Antenna

BT Antenna



线缆固定

