

深圳市腾吉科技有限公司

Shenzhen Tenji Technology Company Limited.

规格承认书

SPECIFICATION FOR APPROVAL

日期

2024/08/14

Date

编号

24081403

File No

客户

CUSTOMER NO:

乐橙互联

客户料号

CUSTOMER NO:

G220内置5G

品名

PART NAME:

5 G Antenna L 50mm MHF

供方料号

SUPPLIER NO:

YJW01.137.075.302A

送样日期Date:

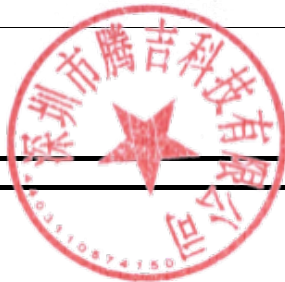
送样数量Q'TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR



供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

Li Jiguang

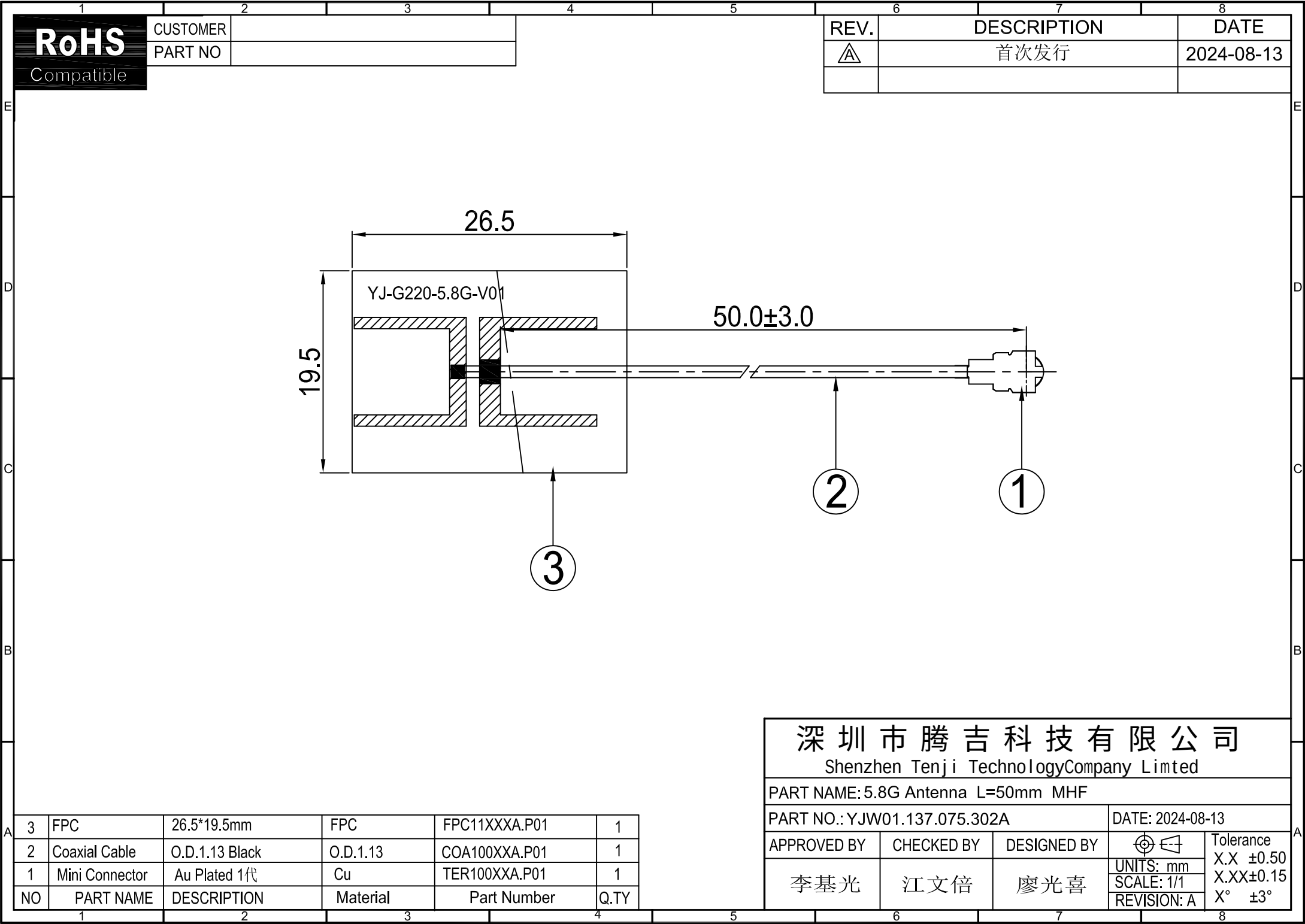
Jiang Wenbei

Liao Guangxi

YJ-RD-F04-A

承认书项目表

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12	-	-	-
13	-	-	-



RoHS

Compatible

CUSTOMER

PART NO

REV.



DESCRIPTION

首次发行

DATE

2024-08-13

YJ-G220-5.8G-V01

50.0±3.0

3

2

1

深圳市腾吉科技有限公司

Shenzhen Tenji TechnologyCompany Limited

PART NAME: 5.8G Antenna L=50mm MHF

PART NO.: YJW01.137.075.302A

DATE: 2024-08-13

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

李基光

江文倍

廖光喜

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

3	FPC	26.5*19.5mm	FPC	FPC11XXXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	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

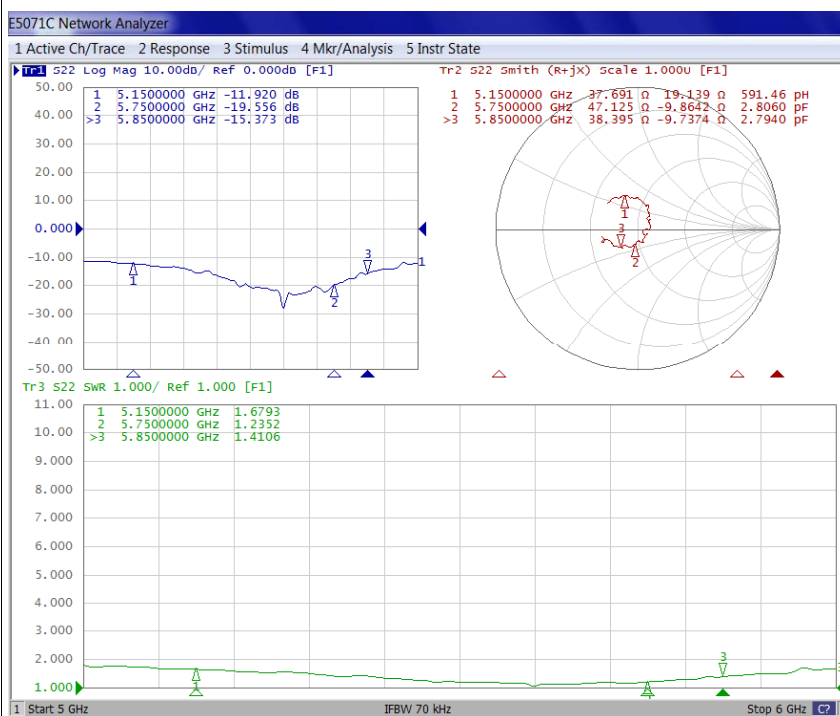
Frequency	5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.9 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

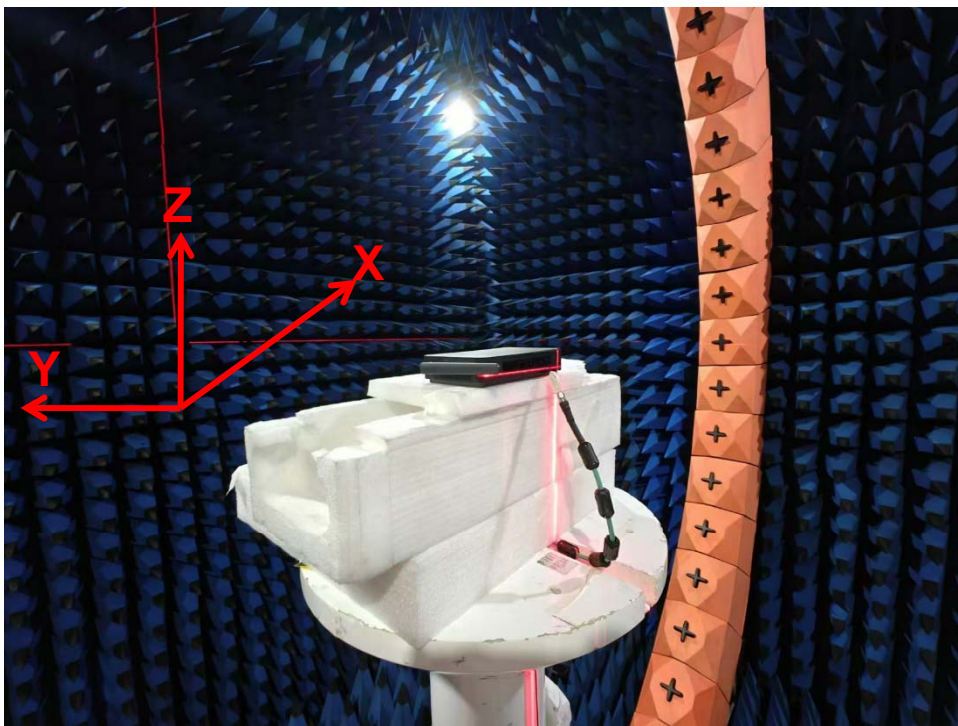
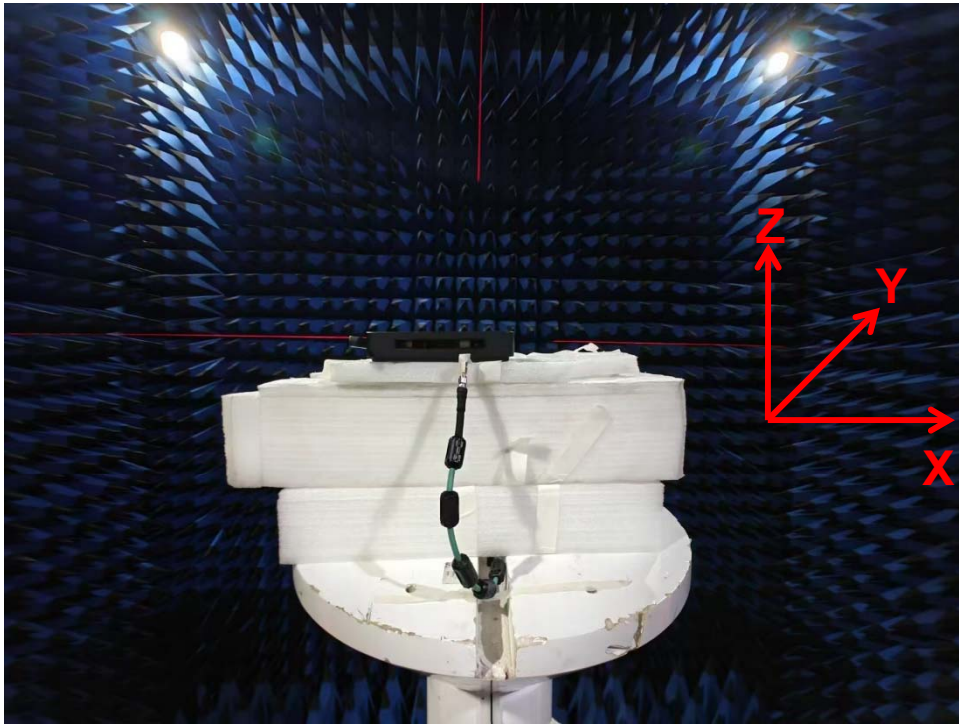
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	50mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

Antenna Performance Test

Agilent E5071C S22 Parameter Test // 5.8GWIFI Antenna



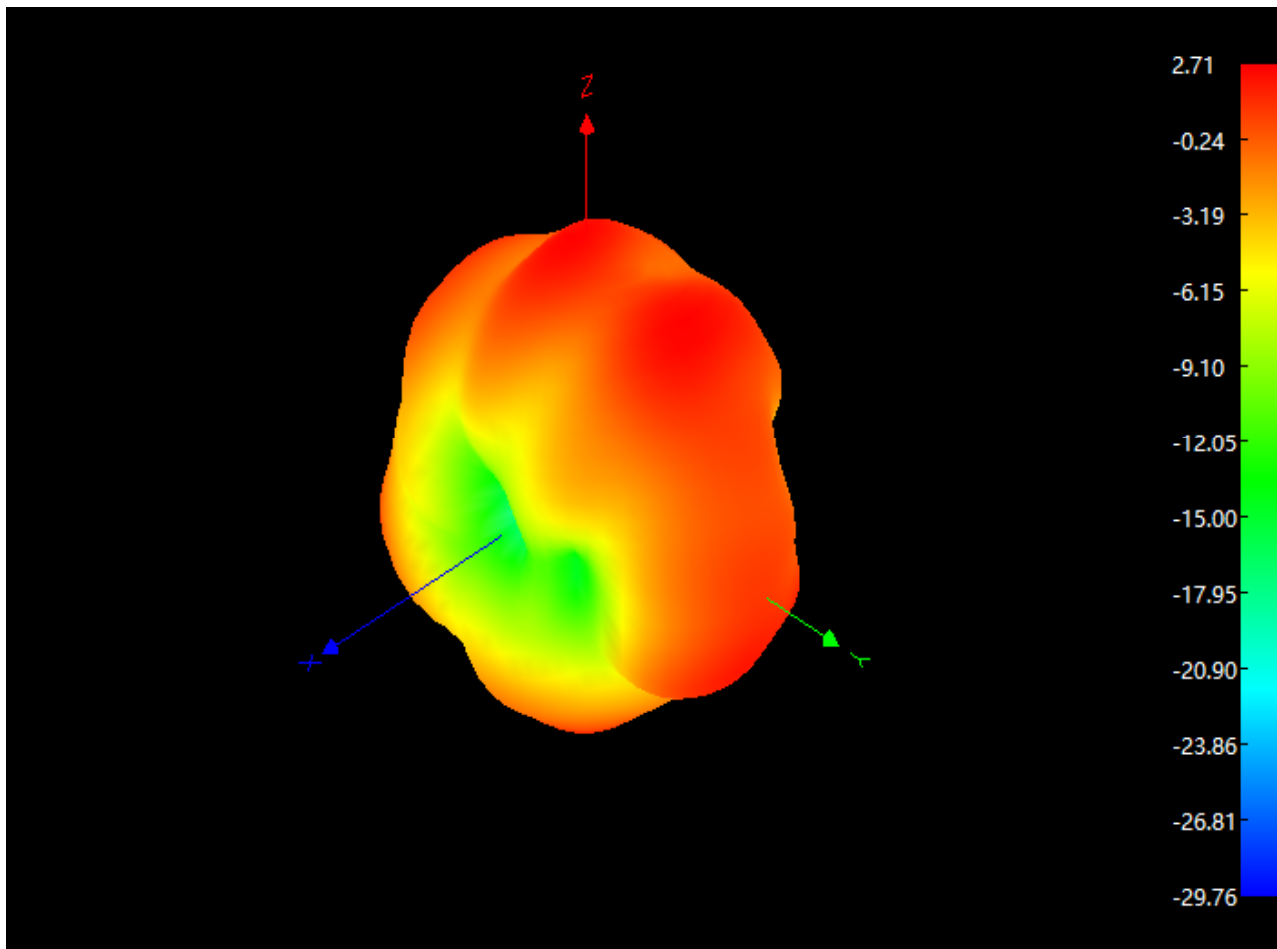
Antenna Passive Test



Passive Test For 5.8GWIFI Antenna

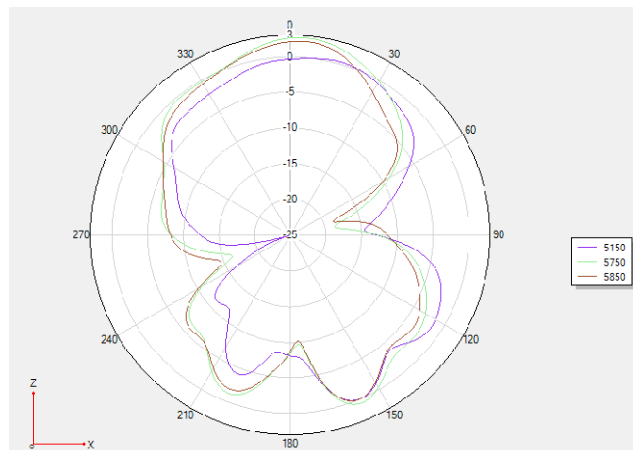
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	67.5	-1.7	1.8
5200	65.3	-1.9	1.6
5250	64.9	-1.9	1.6
5300	69.2	-1.6	1.7
5350	67.8	-1.7	1.4
5400	72.8	-1.4	1.8
5450	73.1	-1.4	1.6
5500	68.9	-1.6	1.5
5550	79.6	-1.0	2.4
5600	82.2	-0.9	2.9
5650	68.2	-1.7	1.8
5700	72.6	-1.4	2.5
5750	84.7	-0.7	2.7
5800	68.4	-1.7	2.3
5850	65.6	-1.8	2.2

Radiation Pattern For 5.8GWIFI Antenna(5750MHz)

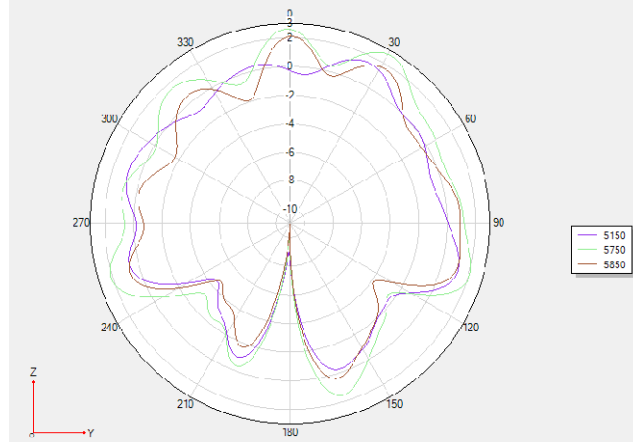


Radiation Pattern For 5.8GWIFI Antenna

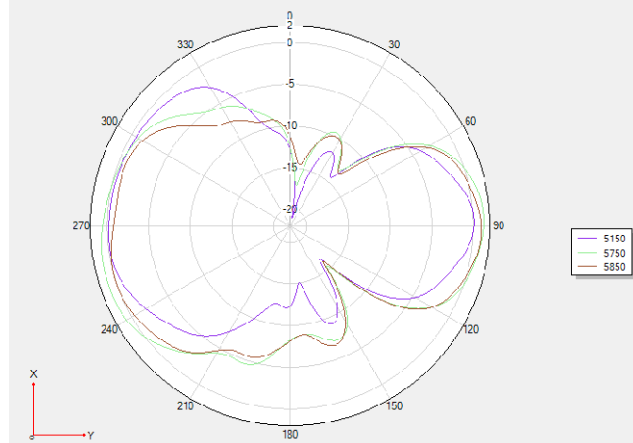
Phi 0°



Phi 90°



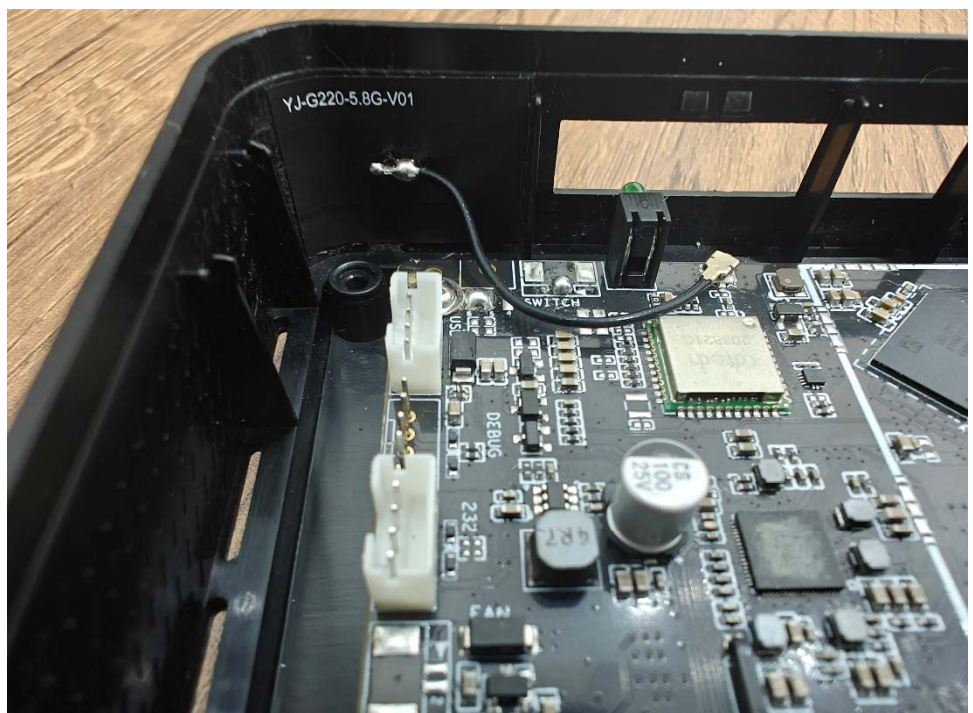
Theta 90°



Device



***5G
WIFI
Antenna***



5G WIFT Antenna

FPC沿筋位装贴

