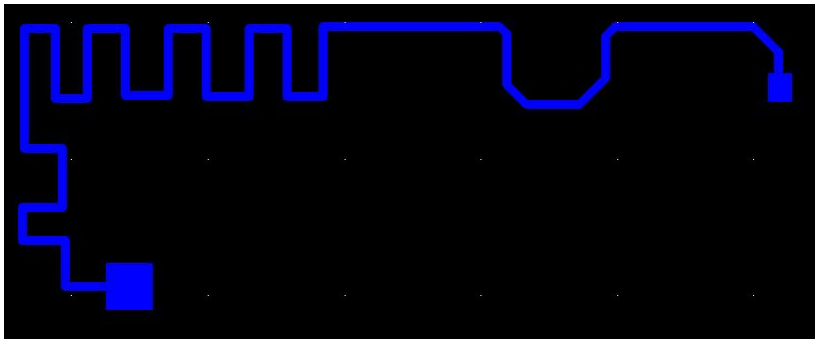
Model No. PCB_RF

1. Explanation of Product Number



Product Code:

(1) Product type:

I：PCB

(2) Specifications code

N

(3): Length of cable:

5：37mm±5mm

(4) Cable type:

6： (Φ=3mm)

(5) Connector:

43：U.FL +SMA

Applicant : Shenzhen Jinji Digital Technology Co., Ltd.
Address : Room 902-03,Building G-2,Galaxy WORLD, Nankeng Community, Bantian Street, Shenzhen, China
Model: T10

2. Application:

This application shall apply for antenna unit which shall be used such as automotive, conventional communications, smart home, etc..

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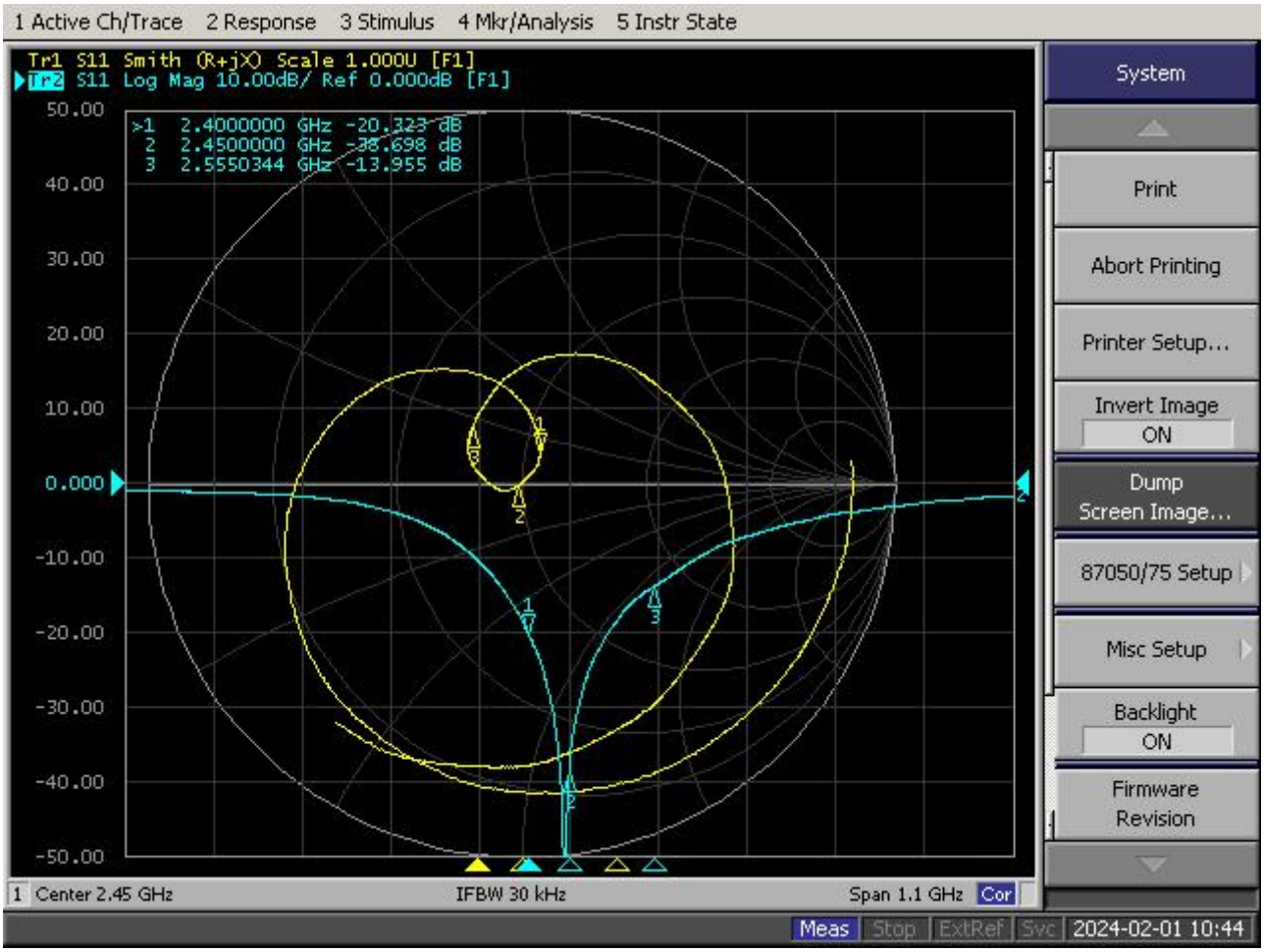
3. Electrical Specification:

Those specifications were specially defined for customer's model, and all characteristics were measured under the model's handset testing jig .

	technicalrequirement	Technical indicators
1	ReceivingfrequencyRange	2400-2500/5150-5850MHz
2	Antenna gain	⩾2dBi
3	Polarization mode	LP
4	output vswr	< 2.0
5	Output impedance	50Ω
6	working temperature	-20°C ~ +65°C
7	Storage temperature	-20°C ~ +65°C
8	Antenna size	108*10(mm)
9	weight	1g
10	Connector	SMA
11	colour	golden



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4. Antenna Dimensions (unit: mm)

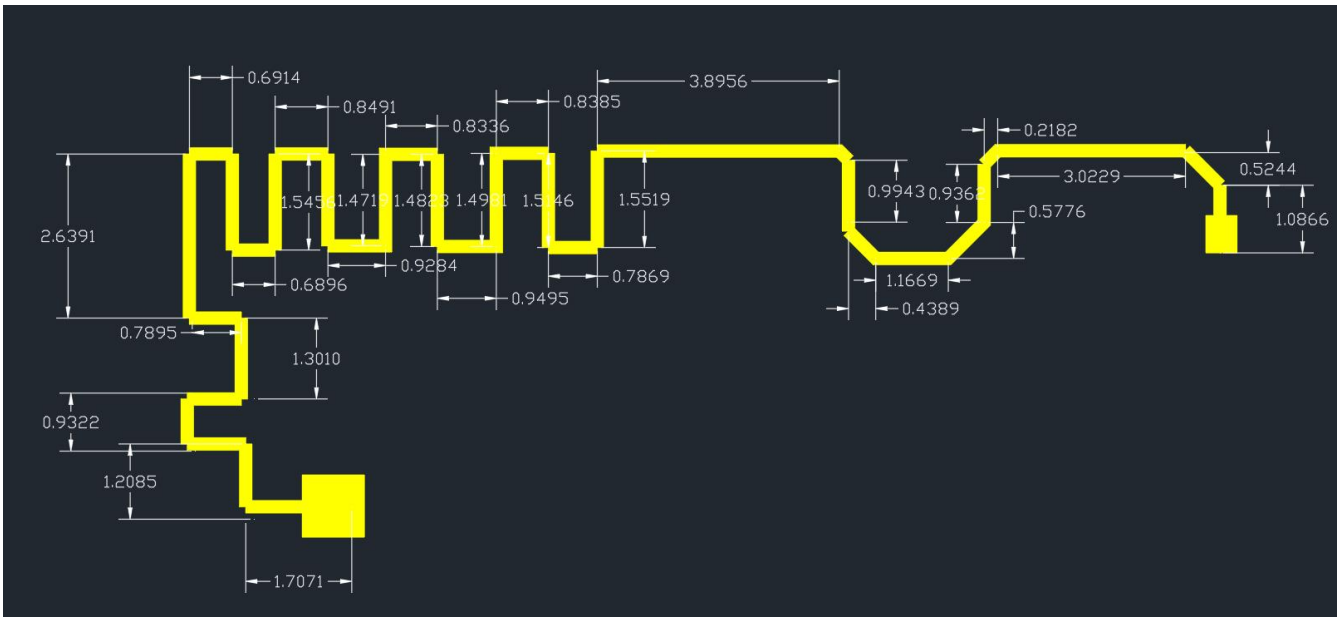

图 1 天线外形尺寸图

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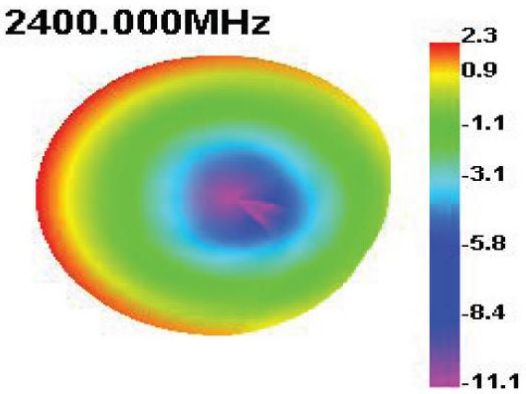
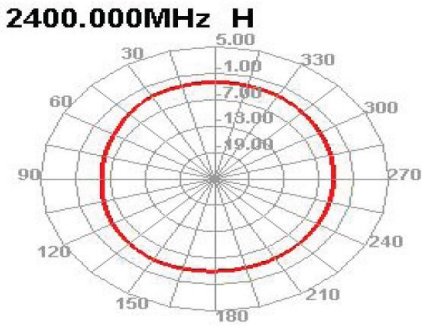
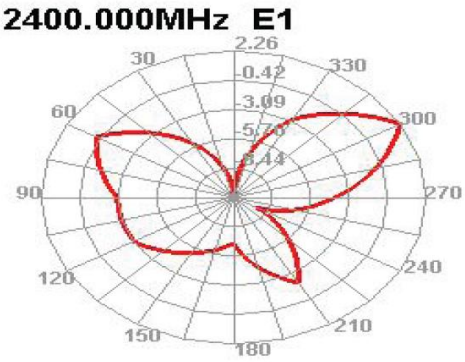
5. Radiation Pattern

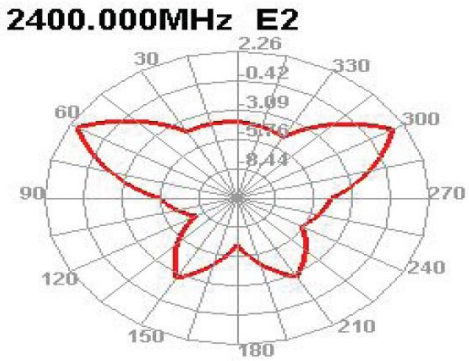
Freq(MHz)	Effi (%)	Effi (dB)	Gain(dBi)
2400	58.29	-2.34	2.26
2450	60.97	-2.15	1.89
2500	71.68	-1.45	1.72
5150	75.11	-1.24	3.51
5500	71.66	-1.45	2.83
5850	80.18	-0.96	2.16

5-1.3D Gain Pattern (Radiation Pattern at 2400 MHz)

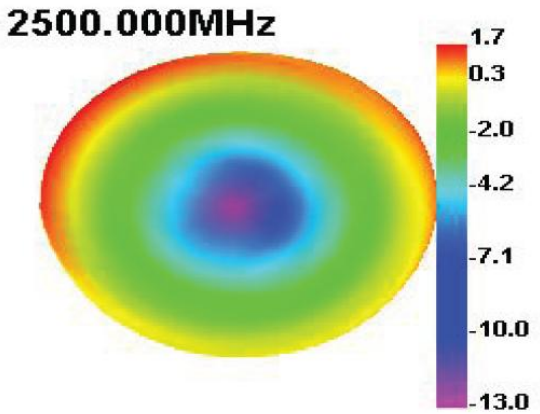


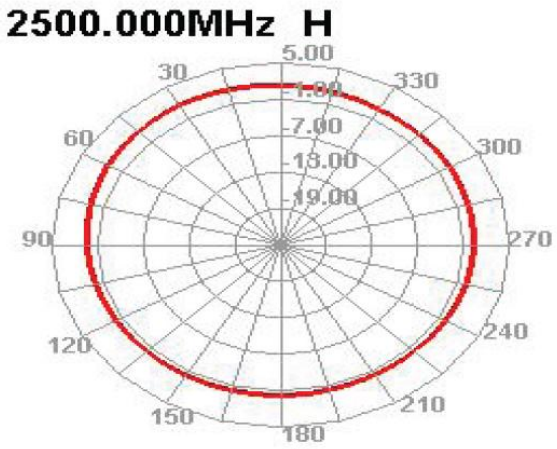


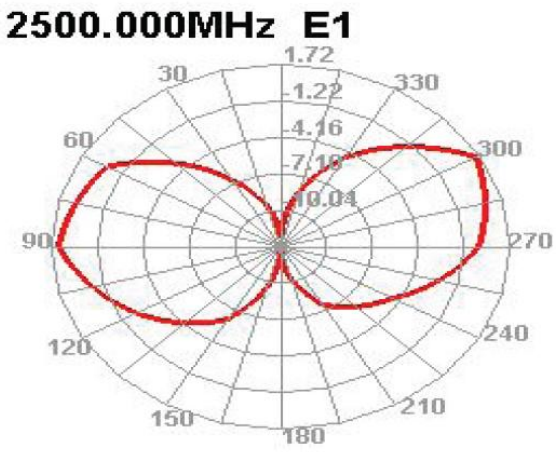


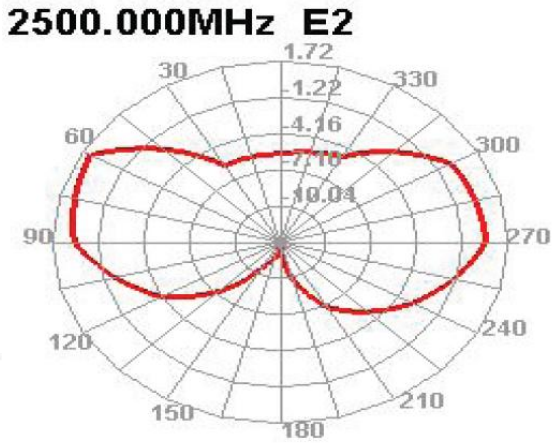


5-2.3D Gain Pattern (Radiation Pattern at 2500 MHz)









5-3.3D Gain Pattern (Radiation Pattern at 5150 MHz)

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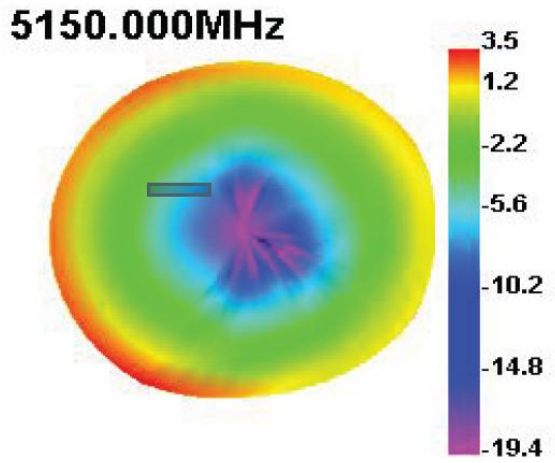

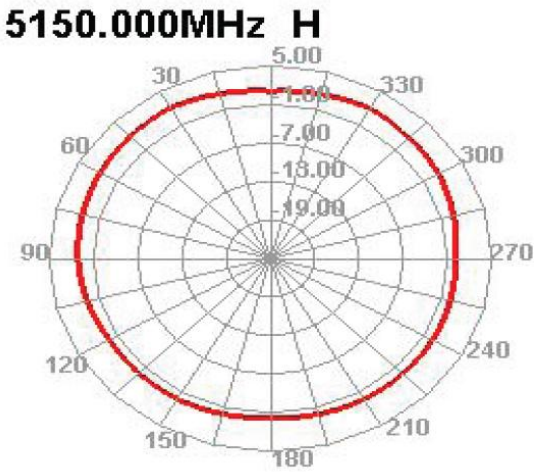

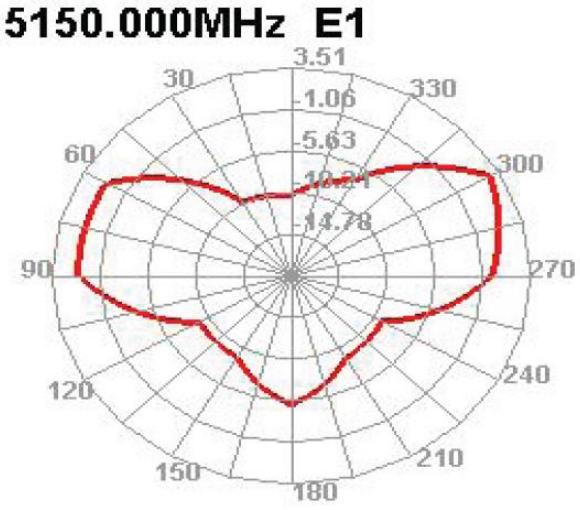

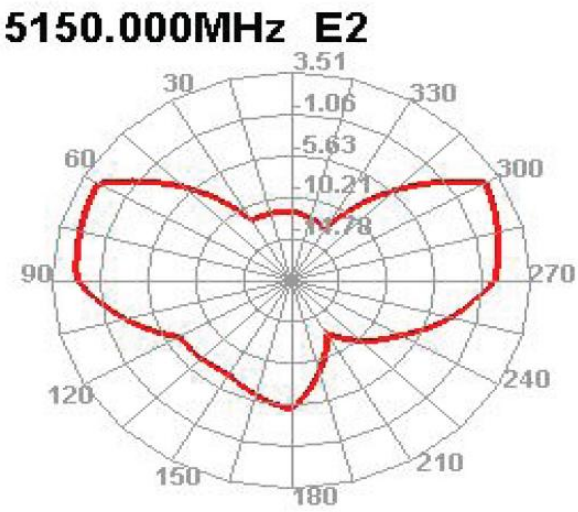

5-4.3D Gain Pattern (Radiation Pattern at 5850 MHz)

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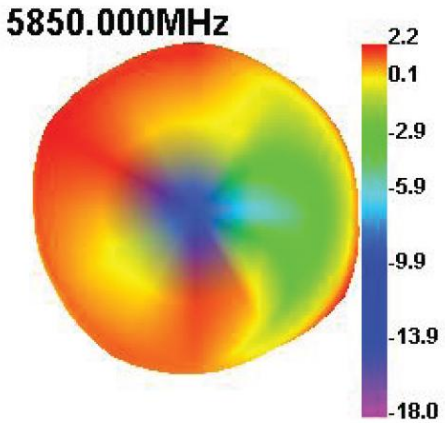

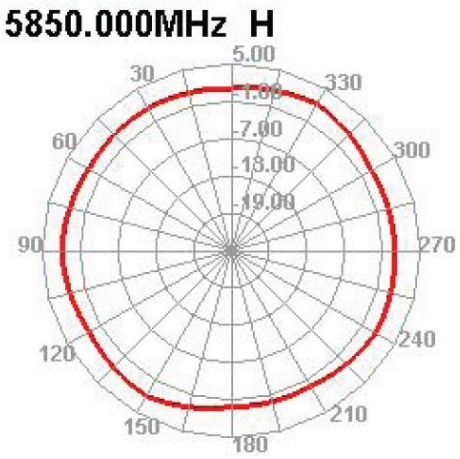

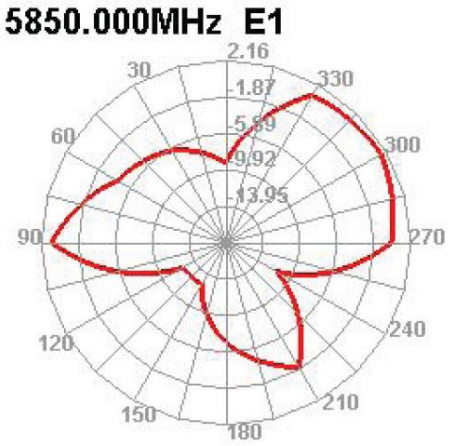

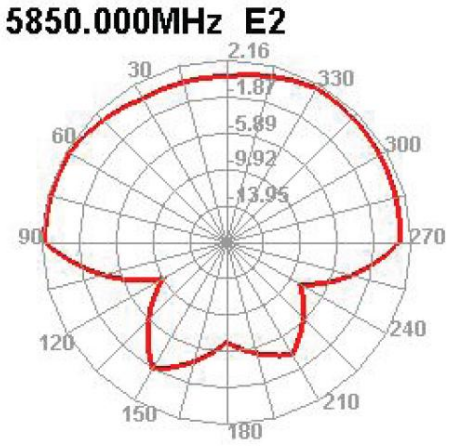

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6. Revision Control:

Revision	Date	Content	Remark
A	Aug.10.2022	New Issued.	N/A