



Antenna Specifications

Heyuan Xunwei Communication Technology
Co., Ltd

RF Engineer: Wang Xinfeng

TestDate: June 19, 2023

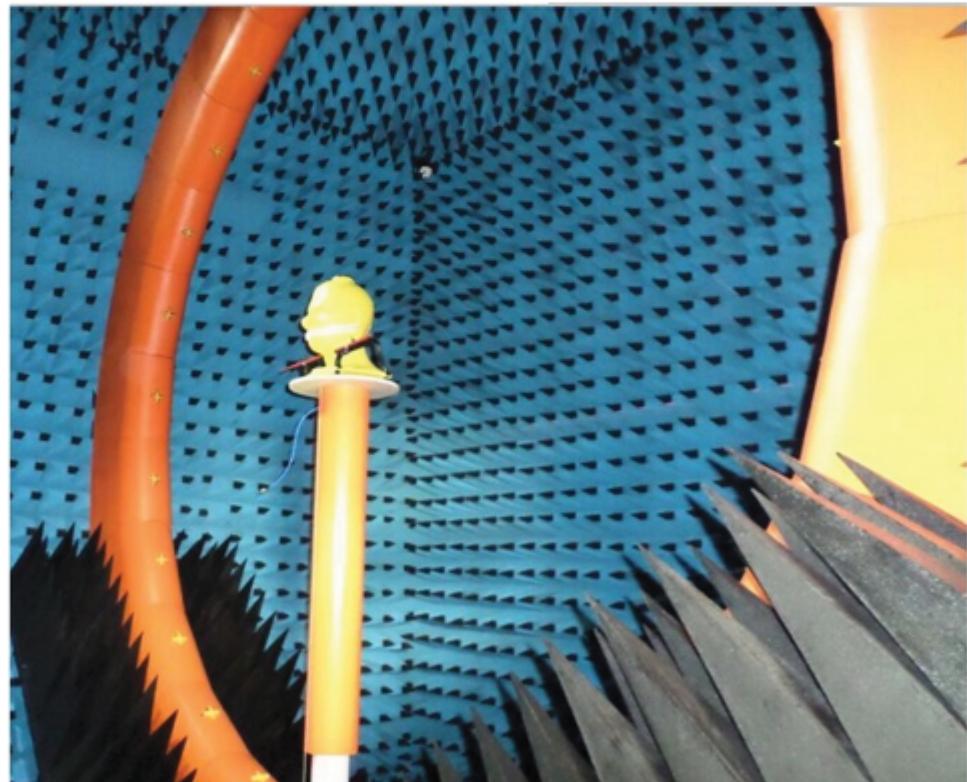
Office address: Block M, 8th Floor, Building 1, Baisha Xinxing Industrial Park,
No. 3011 Shahe West Road, Nanshan District, Shenzhen

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

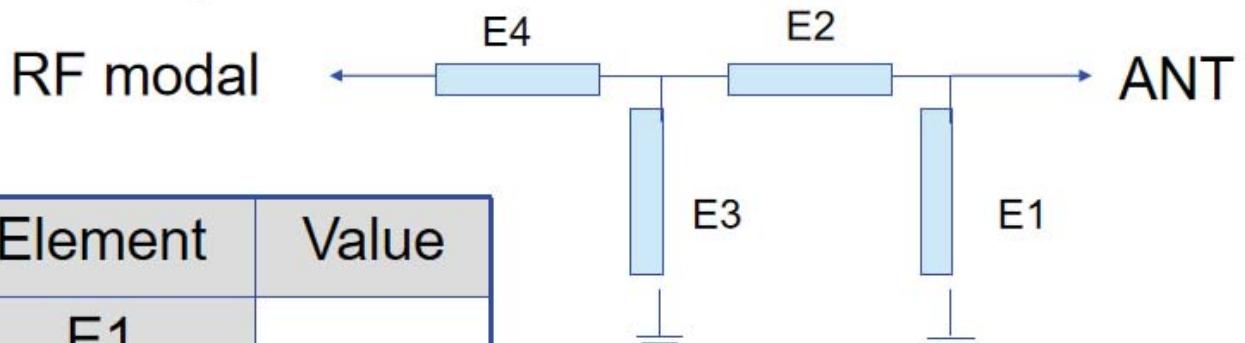


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA

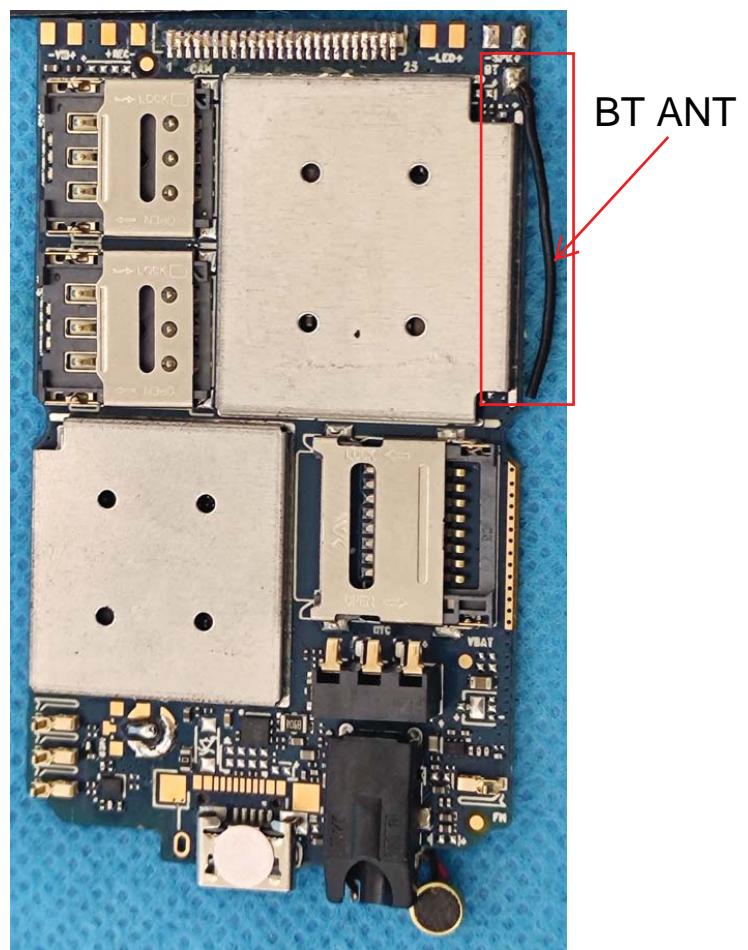
frequency range (MHz)	603mhz-960mhz	1710mhz-2690mhz
VSWR	<3. 5	<3. 5

Matching circuit (No modification)



Element	Value
E1	
E2	
E3	
E4	

1. Antenna location map (reflecting the positions and frequency bands of all antennas)



GSM/WCDMA/LTE ANT

All of Implementation antenna

Main antenna(Antenna Label:A):

EGSM900/GSM850/DC1800/PCS1900+WCDMA1900/WCDMA900/WCDMA850+LTE-B2/B4/B7/B8/B28

BT 2.4~2.5G

Average antenna gain:

EGSM900:-0.61dBi

GSM850: -0.68dBi

DCS1800: -0.53dBi

PCS1900: -0.54dBi

WCDMA1900: -0.54dBi

WCDMA900: -0.61dBi

WCDMA850: -0.68dBi

LTE-B2: -0.54dBi

LTE-B4: -0.53dBi

LTE-B7: -0.68dBi

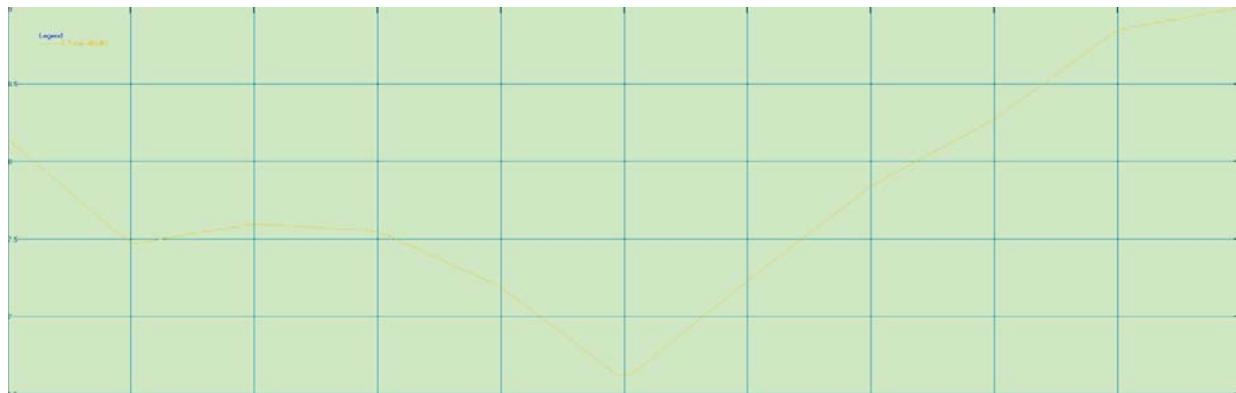
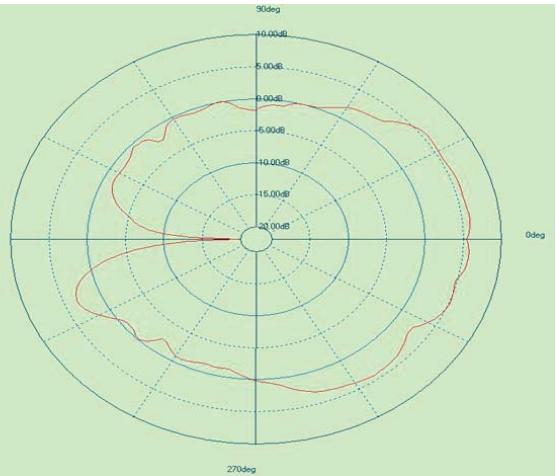
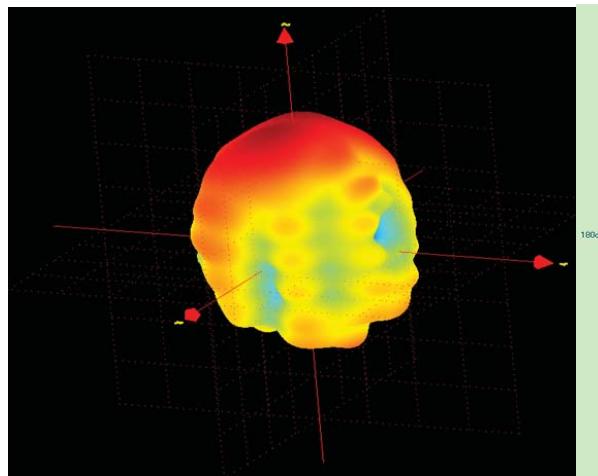
LTE-B8: -0.61dBi

LTE-B28: -0.45dBi

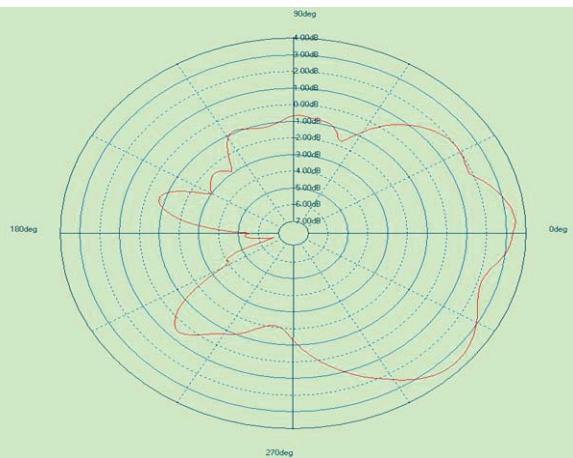
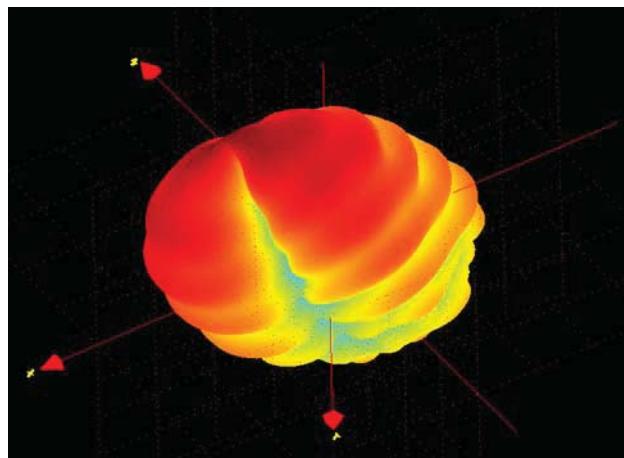
BT: -1.02dBi

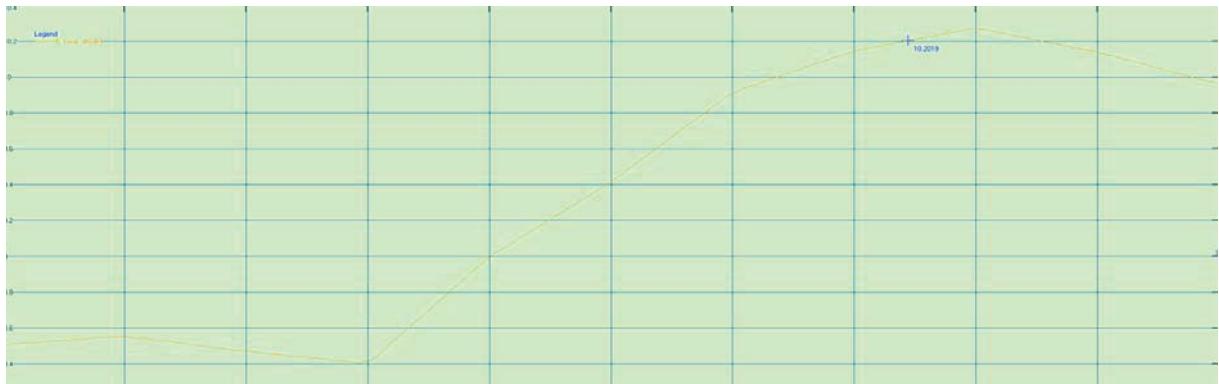
2. Antenna apple pattern/directional pattern

603MHZ~960MHz

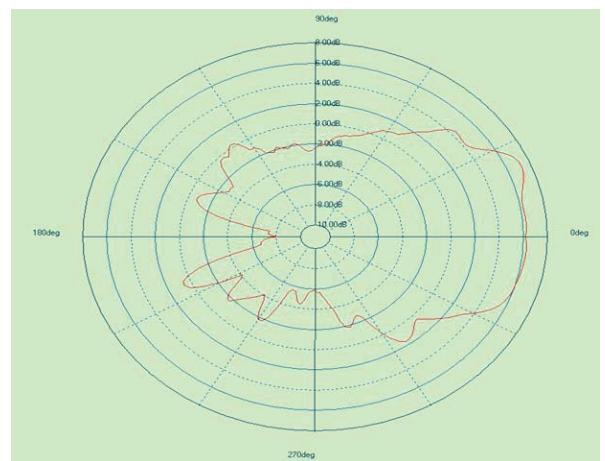
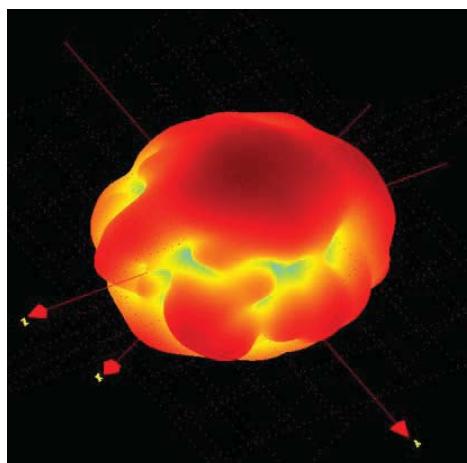


1710MHz~2170MHz

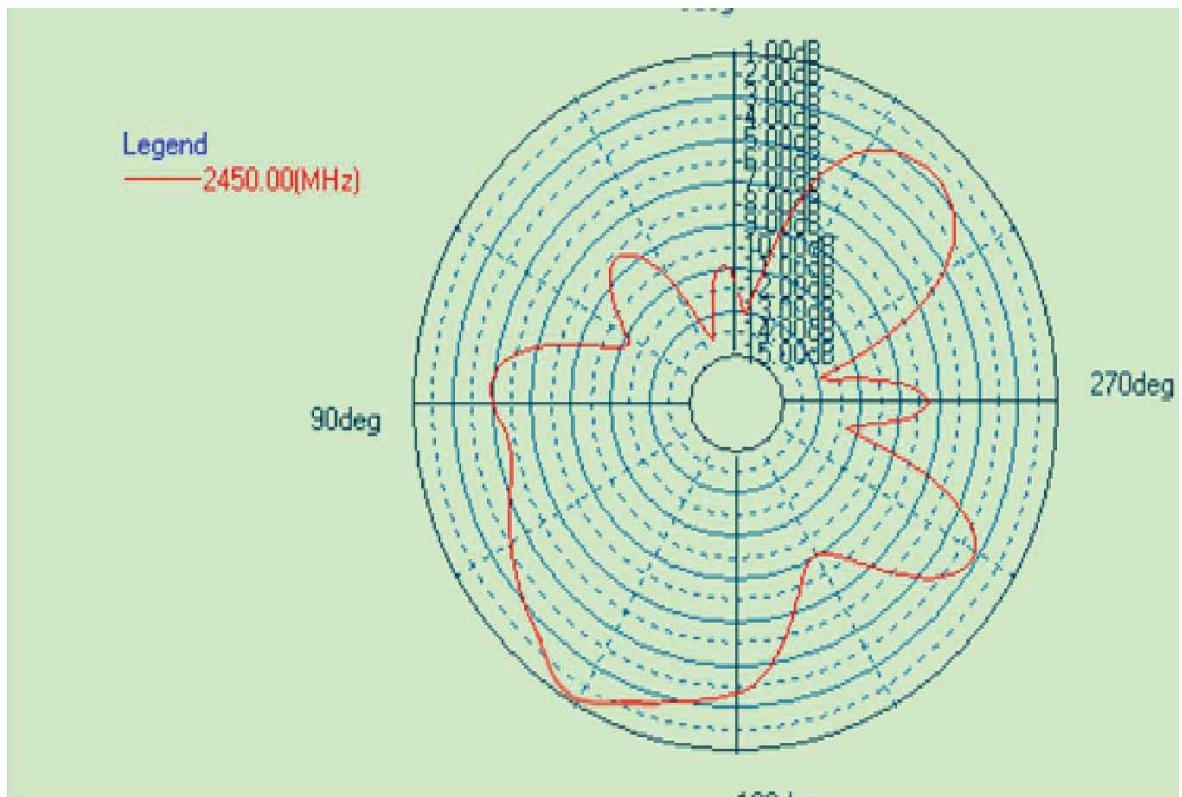
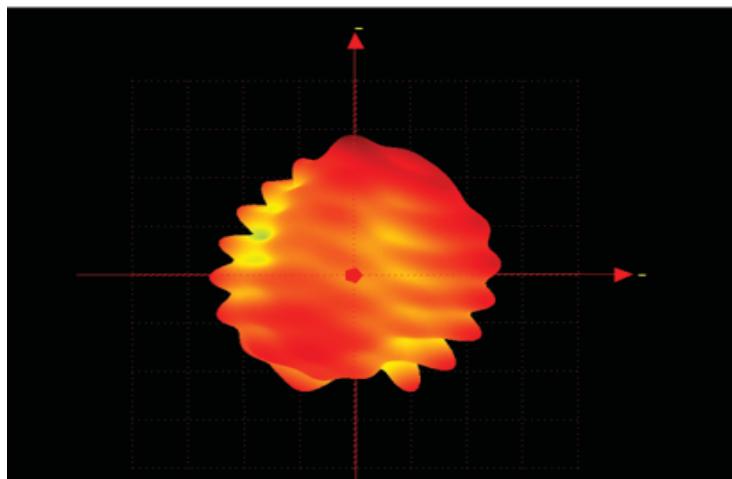




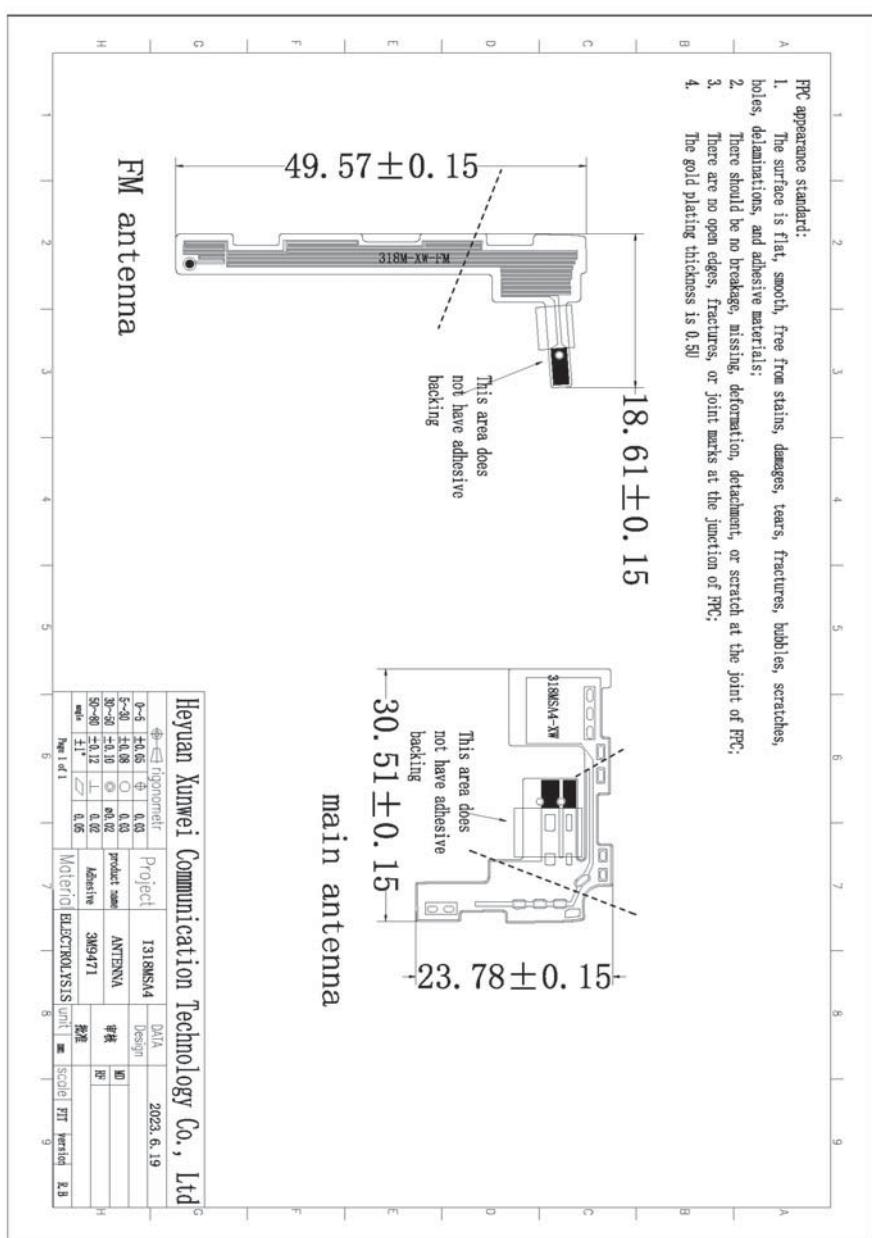
2500MHz~2700MHz



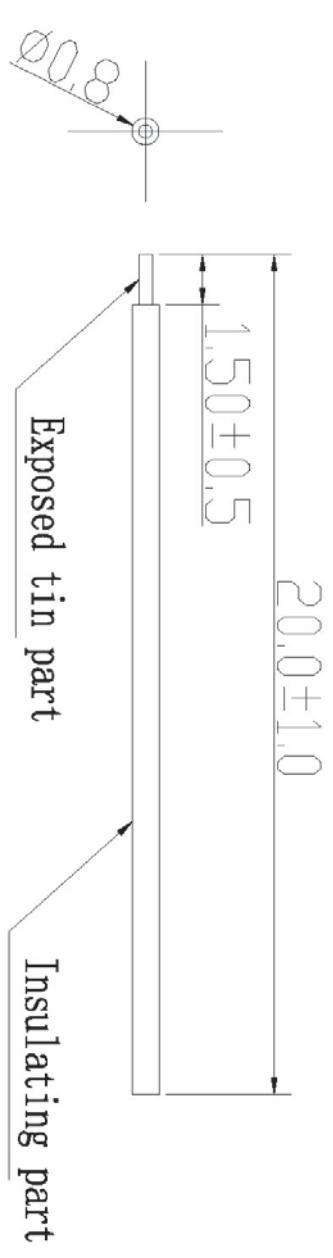
2400MHz~2500MHz (BT)



Antenna size diagram



1	2	3	4
version	Modification content	Modified by	Date
T:B			
A			



The technical drawing shows a component with the following dimensions:

- Width: 20.0 ± 1.0 mm
- Height: 1.50 ± 0.5 mm
- Radius at the top edge: $\phi 0.8$ mm

Labels indicate the "Exposed tin part" and the "Insulating part".

Section A-A shows a cross-section of the component.

Section B-B shows a cross-section of the component.

Section C-C shows a cross-section of the component.

Section D-D shows a cross-section of the component.

Section E-E shows a cross-section of the component.

Section F-F shows a cross-section of the component.

Section G-G shows a cross-section of the component.

Section H-H shows a cross-section of the component.

Section I-I shows a cross-section of the component.

Section J-J shows a cross-section of the component.

Section K-K shows a cross-section of the component.

Section L-L shows a cross-section of the component.

Section M-M shows a cross-section of the component.

Section N-N shows a cross-section of the component.

Section O-O shows a cross-section of the component.

Section P-P shows a cross-section of the component.

Section Q-Q shows a cross-section of the component.

Section R-R shows a cross-section of the component.

Section S-S shows a cross-section of the component.

Section T-T shows a cross-section of the component.

Section U-U shows a cross-section of the component.

Section V-V shows a cross-section of the component.

Section W-W shows a cross-section of the component.

Section X-X shows a cross-section of the component.

Section Y-Y shows a cross-section of the component.

Section Z-Z shows a cross-section of the component.

Heyuan Kunwei Communication Technology Co., Ltd

	unit: mm	name: Bluetooth
X	general tolerance: ± 0.5	Item No. : Bluetooth cable
X	± 0.25	MD: Wenbo Li
XX	± 0.15	RF: Wang
XXX	± 0.05	Surface Preparation: Cleaning affirm: Song
ANGULAR	$\pm 0.5^\circ$	Color: black
		Scale: 1:1
		version: A

1

2

3

4

C

B

A