



ANT Communication Technology (Shenzhen) Co., LTD.

## Antenna Datasheet

Customer name : Xiao Xun

Project name : AW1010

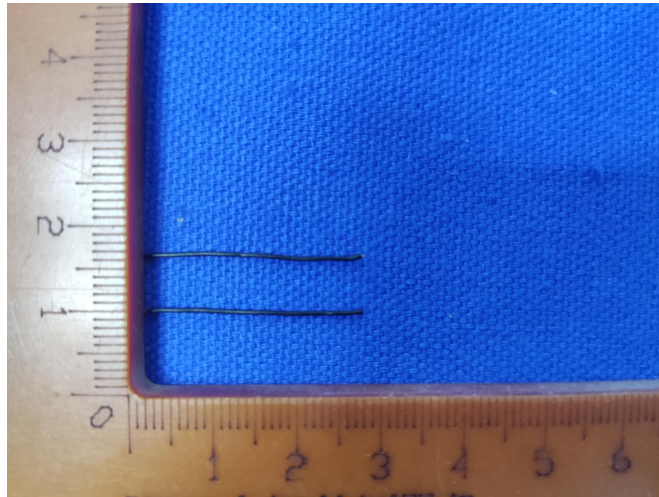
Datasheet version : RA

Material specifications : wire

Manufacturer : ZhenShi Information Technology (ShangHai) Co.,Ltd

ANT Counter-signature bar				
R&D	ME: Li zhi en	Audit: Xiong ming hua	approve:	Date:
	RF: Wu bo	Audit: Liu feng		

一、Antenna picture



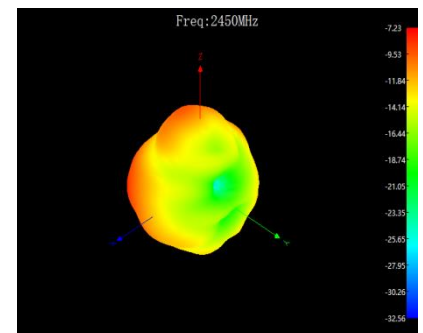
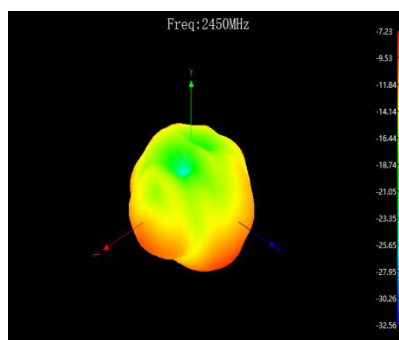
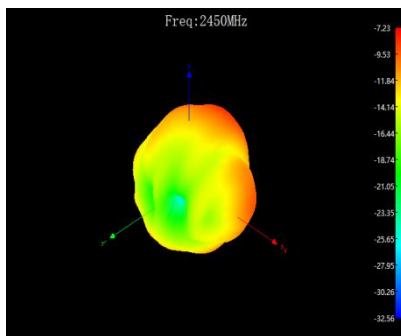
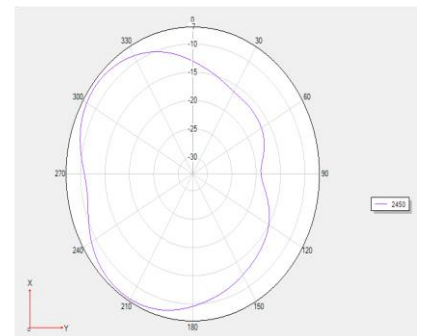
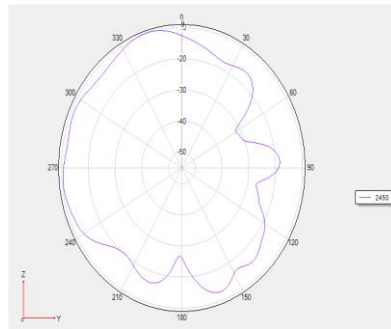
L: 28mm

二、Bluetooth (BDR/EDR) ANT

(1) Gain & Efficiency & Directional diagram (Wear arms)

BLE(2.4G)			
Freq/ MHz	Effi /db	Freq/%	Gain/dBi
2400	-14.36	3.66	-8.88
2410	-13.69	4.28	-7.42
2420	-13.99	3.99	-8.45
2430	-13.77	4.2	-7.55
2440	-14.37	3.66	-8.76
2450	-13.32	4.66	-7.23
2460	-13.78	4.19	-8.03
2470	-13.58	4.39	-7.44
2480	-13.2	4.79	-7.36
2490	-12.62	5.47	-6.64
2500	-13.05	4.95	-7.41

### 2D/3D Directional diagram



### (2)、Antenna parameters

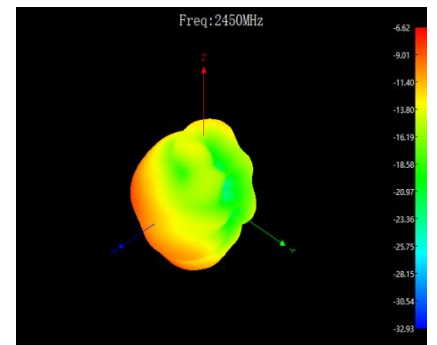
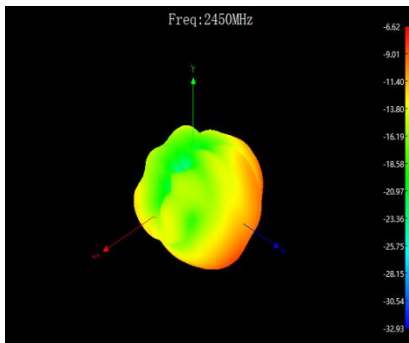
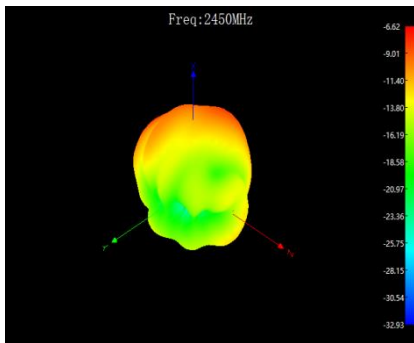
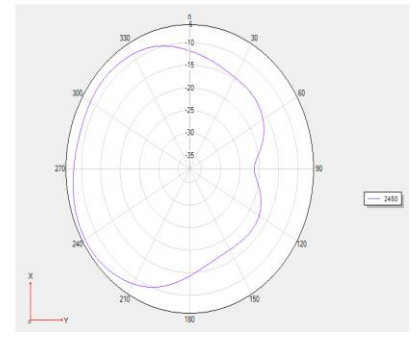
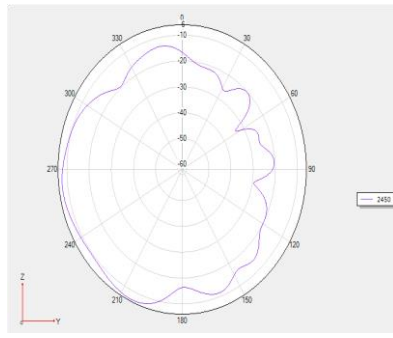
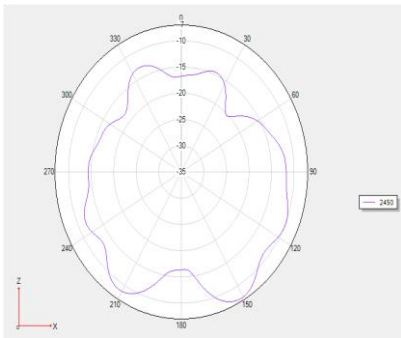
Technical parameters	
Frequency range	2400-2500MHZ
Enter The impedance	50 Ω
VSWR	≤2.5
Max gain	-6.64dBi
Environment parameters	
Operating temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

## 三、Bluetooth (BT LE/BT 2LE) ANT

## (1) Gain &amp; Efficiency &amp; Directional diagram (Wear arms)

BLE(2.4G)			
Freq/ MHz	Effi /db	Freq/%	Gain/dBi
2400	-13.68	4.29	-7.29
2410	-13.2	4.79	-6.74
2420	-13.35	4.62	-6.95
2430	-13.4	4.57	-6.94
2440	-13.78	4.19	-7.65
2450	-12.9	5.13	-6.62
2460	-13.3	4.68	-7.41
2470	-13.14	4.85	-6.86
2480	-12.9	5.13	-6.89
2490	-12.41	5.74	-6.05
2500	-12.99	5.02	-7.03

### 2D/3D Directional diagram

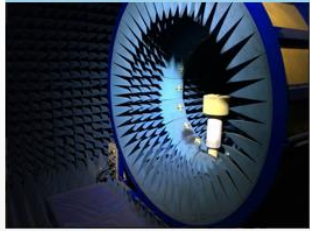


### 2)、Antenna parameters

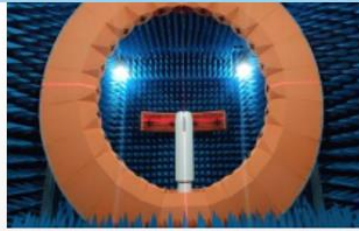
Technical parameters	
Frequency range	2400-2500MHZ
Enter The impedance	50 Ω
VSWR	≤2.5
Max gain	-6.05dBi
Environment parameters	
Operating temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

四、Test Equipment

Test Environment and Equipment



SATIMO-16



XH-24-5G



CUM GO



CMU RUN



Agilent 8960



R&S CMW500



Anritsu MT8820C



Agilent 5071C



StarPoint SP9500

Test system	Testing environment	Active	Passive
SATIMO-16	Temperature 22°C±3°C Humidity 50%±15%	2G/3G/4G/5G GPS/WIFI/BT	400M-8.5G
XH-24			