

## Part Approval Sheet

Version:   V1.0  

Project:	<u>Bluetooth antenna</u>
Part Name:	<u>Conducting wire</u>
Part Color:	<u>Black</u>
Part Number:	<u> </u>
Sample Quantity:	<u>5PCS</u>
Sample type:	<u>Wire Antenna</u>
Reason for Sample Delivery:	<u><input type="radio"/>New tooling <input type="radio"/>New supplier <input type="radio"/>Tooling change <input type="radio"/>Engineering change <input type="radio"/>Other:</u>
Operating frequency range:	<u>2402-2480MHz</u>



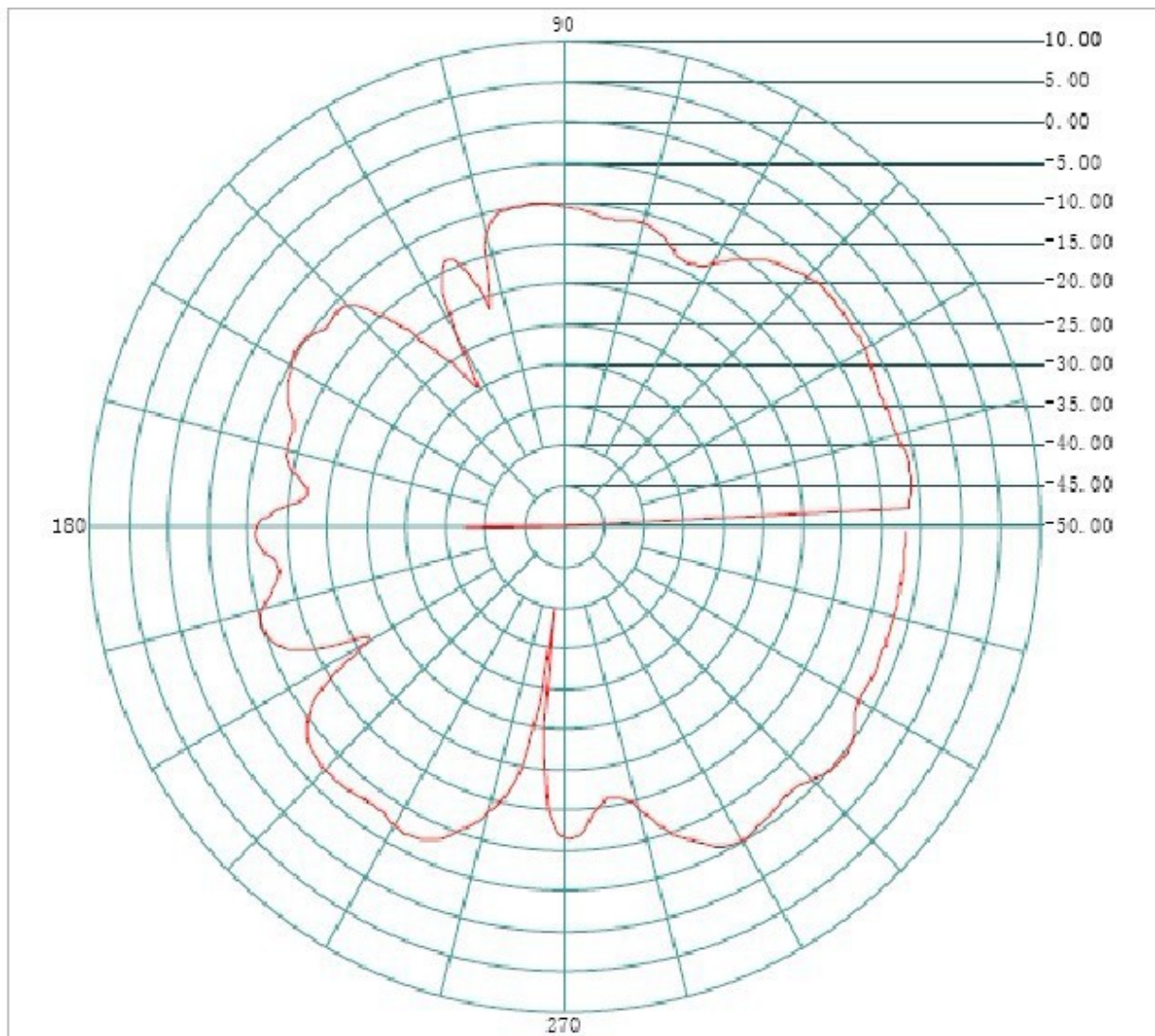
Figure 2    0.8\*20mmBT

Name	ANTENNA
Model	LT13
Frequency	2.4Ghz
Input impedance	50Ω
Allowed power	5mW
Working temp.	-25 ~ +65 °C
Storage temp.	-40 ~ +85 °C
Weight	0.25g
Antenna gain	-1dBi

## 2.OTA(Free Space)

Channel	TRP (dBm)	TIS (dBm)
0	6.3	-91.1
39	6.5	-91.3
78	6.6	-91.2

### 3.Field



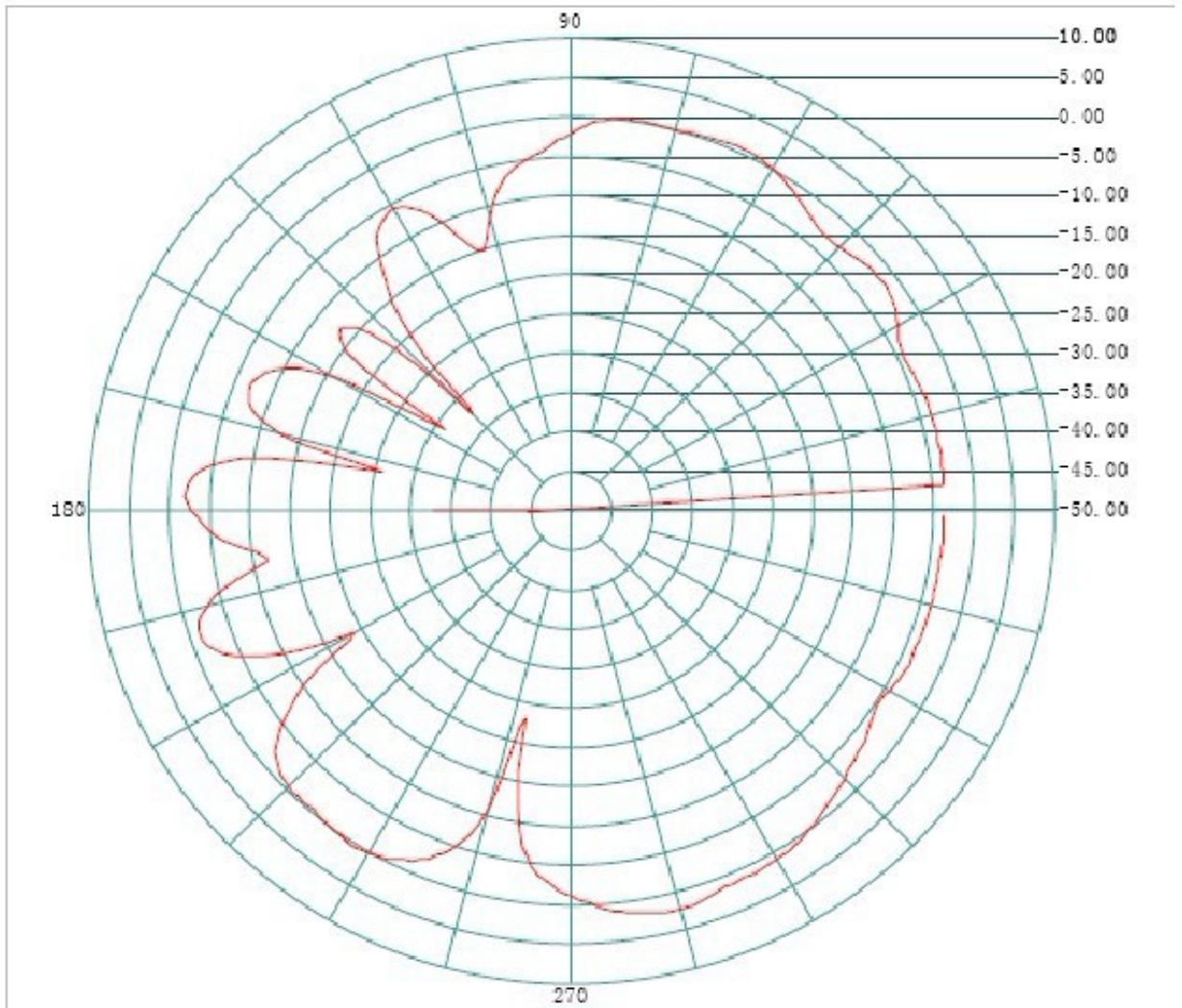
Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.51**

Average Gain(dBi) : **-8.98**

Minimum Gain(dBi): **-62.3**



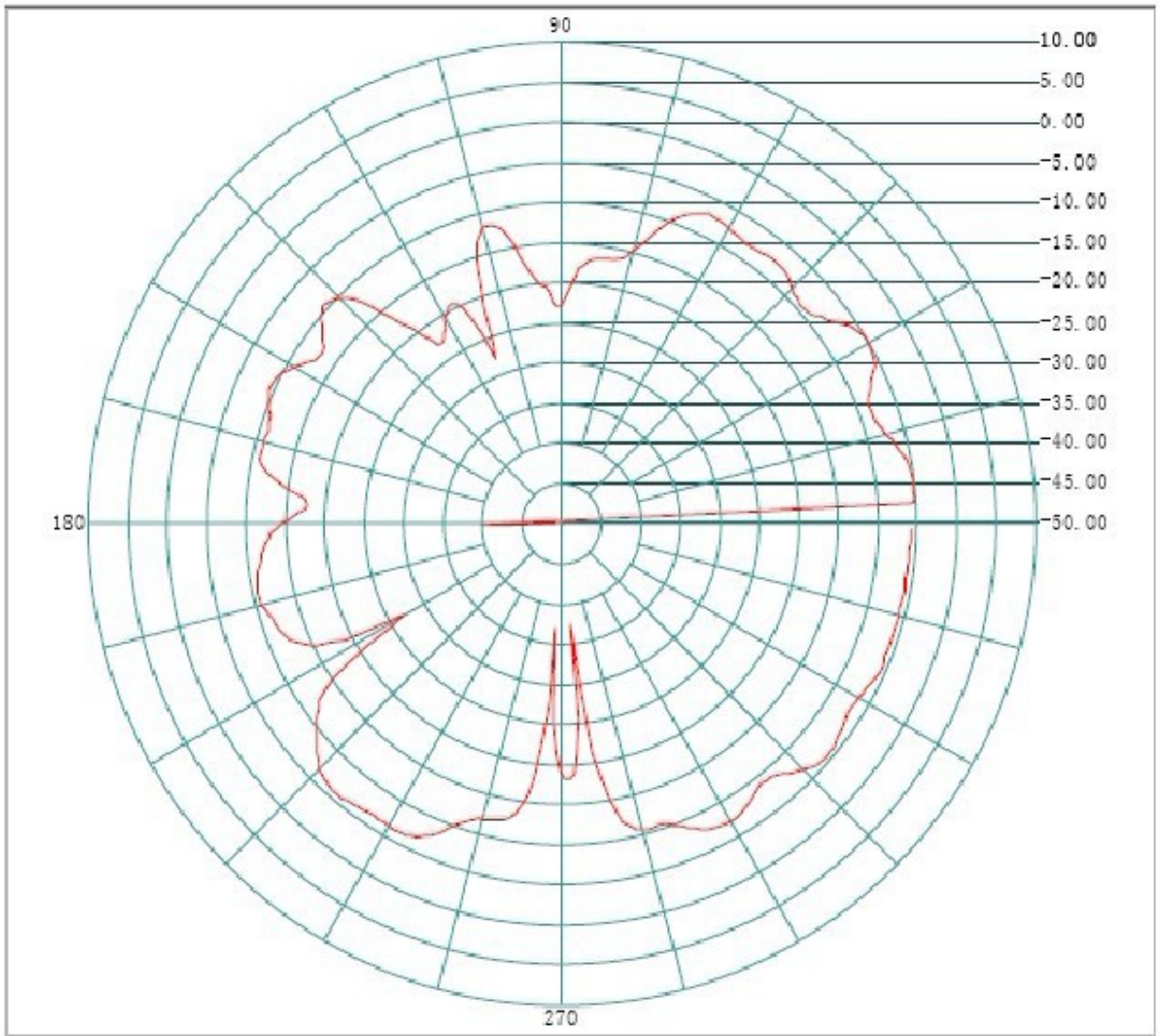
Frequency(MHZ): **2441**

Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-1**

Average Gain(dBi) : **-2.54**

Minimum Gain(dBi): **-66.98**



Frequency(MHZ): **2480**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-4.95**

Average Gain(dBi) : **-9.06**

Minimum Gain(dBi): **-60.00**

#### 4. BT Test

Test term	Environment	Max pairing distance	BT Call distance	
BT	Office	16-18m	10-12m	

#### 5. Blueprint

unit: mm

