

# Shenzhen Qianmu Communication Technology Co., Ltd

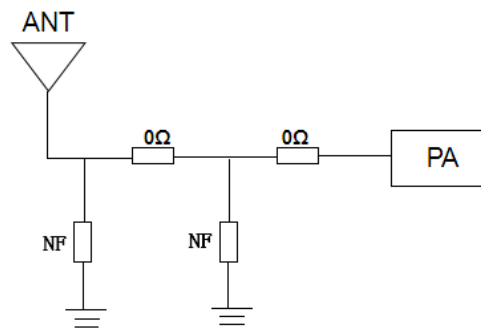
Shenzhen Qianmu Communication Technology Co., Ltd.

## Acceptance of antenna sample

<b>Applicable model</b>	G01A		
<b>Customer</b>	Dongxin Taihe (Guangzhou) Co., Ltd.		
Specification description			
	<b>Product content</b>	<b>Specification</b>	<b>Customer material code</b>
<b>Specification description</b>	Bluetooth antenna	Electron wire, 0.6*25mm, single end exposed tin, black	04.11.00026
Change resume			
<b>Serial number</b>	<b>Date</b>	<b>Version</b>	<b>Brief introduction of changes</b>
1	2022-11-01	V1.0	New project
2			
3			

Supplier sample confirmation					
<b>R&amp;D</b>	<b>Structure</b>	<b>Audit</b>	<b>Judge</b>		
			PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>		
Customer sample confirmation					
<b>Electron</b>	<b>Structure</b>	<b>Project</b>	<b>Procurement</b>	<b>Quality</b>	<b>Audit</b>
<b>Reasons for rejection or other precautions:</b>					

## 1、 Matching circuit-BT antenna



Your original matching circuit has not been changed

## 2、 BT antenna size



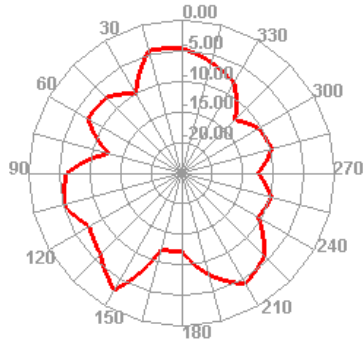
BT antenna diameter 0.6mm  
length 25mm

### 3. WIFI/BT Antenna-Antenna Passive Efficiency and Gain

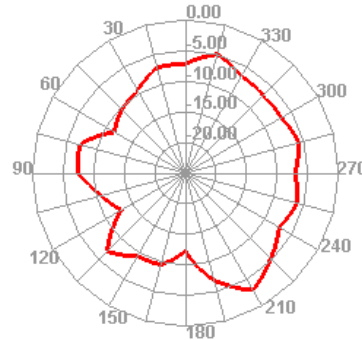
	A	B	C	D	E	F	G	H	I	J	K
1	Passive Test For 2.4GWIFI										
2	Freq	Effi	Effi	Gain	Gain	UHS	DHIS	Max	Min	Attenut	Attenut
3	(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)	Hor	Ver
4	2400	18.36	-7.36	-1.71	-3.86	8.129	10.232	-1.71	-14.59	48.51	48.38
5	2410	19.44	-7.11	-1.48	-3.63	8.483	10.956	-1.48	-14.79	48.83	48.65
6	2420	19.83	-7.03	-1.41	-3.56	8.474	11.352	-1.41	-16.27	49.05	49
7	2430	19.14	-7.18	-1.72	-3.87	7.893	11.244	-1.72	-21.14	49.05	48.89
8	2440	18.43	-7.35	-1.8	-3.95	7.284	11.144	-1.8	-31.27	49.08	48.97
9	2450	18.52	-7.32	-1.19	-3.34	7.118	11.404	-1.19	-23.99	49.01	48.85
10	2460	17.78	-7.5	-0.93	-3.08	6.699	11.077	-0.93	-22.35	48.86	48.7
11	2470	17.32	-7.61	-0.81	-2.96	6.521	10.803	-0.81	-24.35	48.86	48.78
12	2480	16.81	-7.74	-0.96	-3.11	6.386	10.421	-0.96	-25.65	49.29	49.19
13	2490	18.25	-7.39	-0.53	-2.68	7.124	11.125	-0.53	-25.82	49.92	49.75
14	2500	17.68	-7.53	-0.81	-2.96	7.09	10.586	-0.81	-24.49	49.95	49.77
15	2400.00MHz - 2500.00MHz Gain										

### 4. Antenna Pattern and Apple Pattern

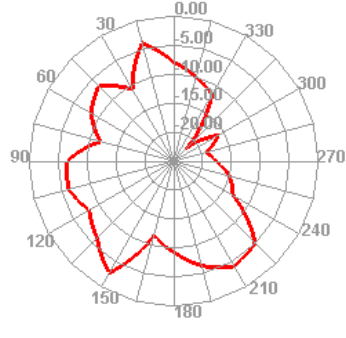
2400.000MHz E1



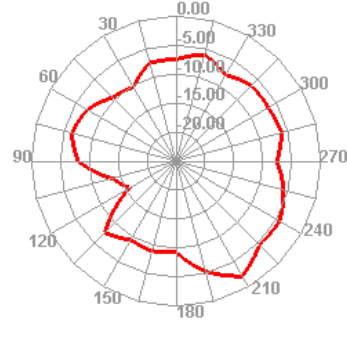
2400.000MHz E2



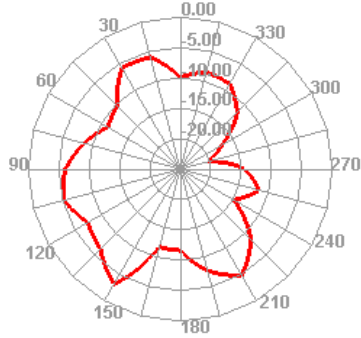
2450.000MHz E1



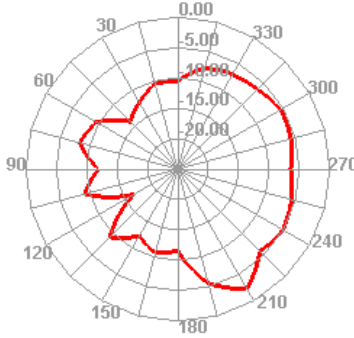
2450.000MHz E2



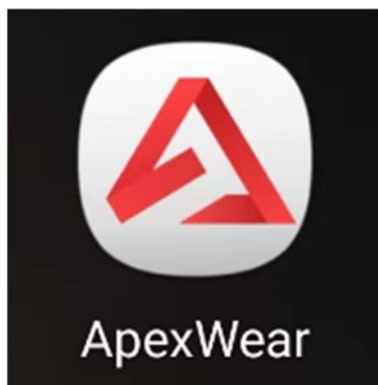
2500.000MHz E1



2500.000MHz E2



## 5、 Measurement of BT Antenna

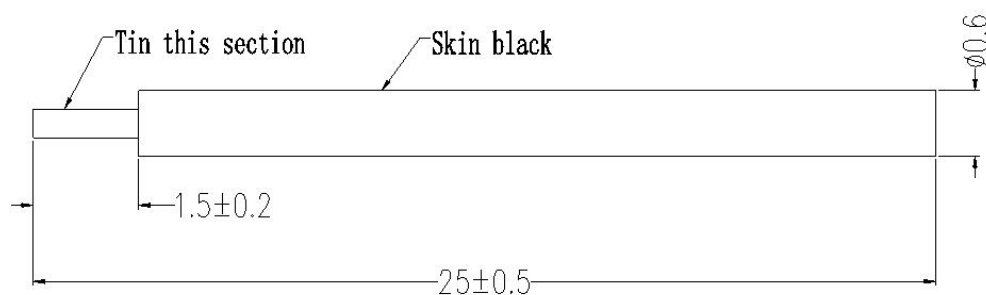


Test software

BT actual connection APP test:

1. Android mobile phone is connected with bracelet to control the straight distance of mobile phone singing room, which is more than 25 meters without barrier.
2. Bluetooth wire specification: L=25mm D=0.6mm

## 6、 Structural drawing



深圳市千目通讯科技有限公司							
ShenZhen QianMu Communication Technology Co.,Ltd							
⊕	⊖	algorithm				DATE	2022/10/20
0~10	±0.10	○	0.02	name	BOZL	Design	KING
10~20	±0.12	◎	Ø0.03	number		Rf	LIGUO ZHENG
20~40	±0.15	⊥	0.02				
40~50	±0.20	∕	0.04				
		∕	0.02				
	POSITION					Company	mm edition E:A