

Shenzhen Qianmu Communication Technology Co., Ltd

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Acceptance of antenna sample

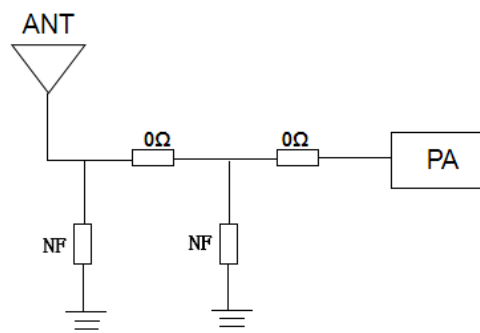
Applicable model	G01C		
Customer	Dongxin Taihe (Guangzhou) Co., Ltd.		
Specification description			
	Product content	Specification	Customer material code
Specification description	Bluetooth antenna	Electron wire, 0.6*25mm, single end exposed tin, black	04.11. 00026
Antenna type: monopole			
Manufacturer address: No. 425.443, 4th Floor, Building A, Huafeng Zhigu Hangcheng High tech Industrial Park, Hangcheng Street, Bao'an District, Shenzhen, China			
Change resume			
Serial number	Date	Version	Brief introduction of changes
1	2022-11-01	V1.0	New project
2			
3			

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

Contact: Wang Zhiqiang Contact: 13760153961 Tel: 0755-21633653 Fax: 0755-21633541

No.425 and No.443, Floor 4, Block A, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen

1、 Matching circuit-BT antenna



Your original matching circuit has not been changed

2、 BT antenna size



BT antenna diameter 0.6mm
length 25mm

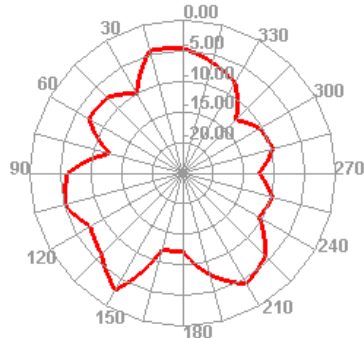
3. BT Antenna-Antenna Passive Efficiency and Gain

	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										

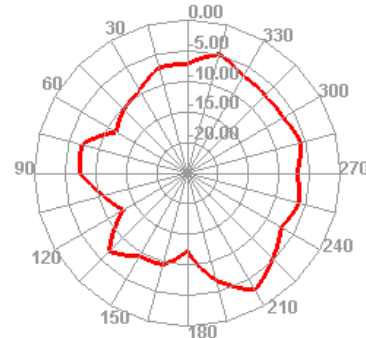
Peak antenna gain: -0.81dBi

4. Antenna Pattern and Apple Pattern

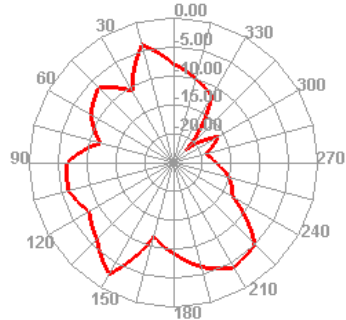
2400.000MHz E1



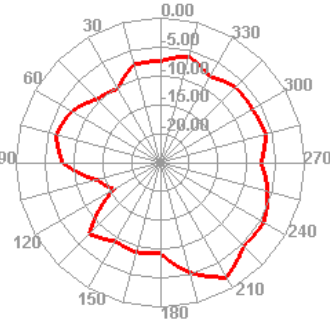
2400.000MHz E2



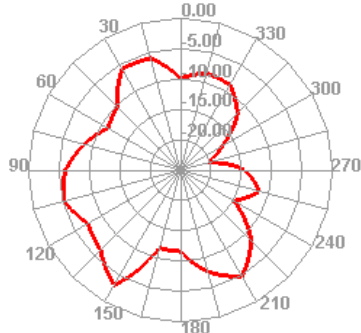
2450.000MHz E1



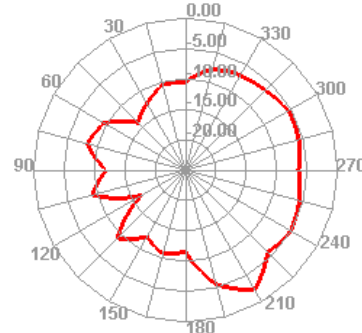
2450.000MHz E2



2500.000MHz E1



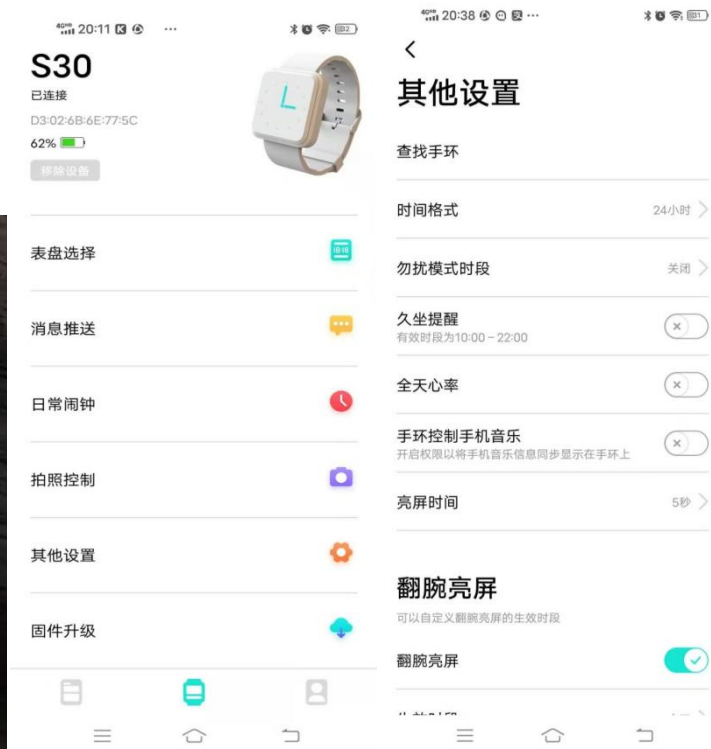
2500.000MHz E2



5. BT antenna measurement

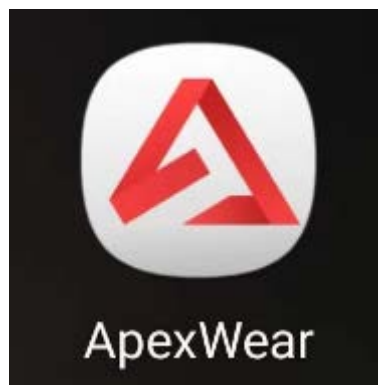


Music control test



Connection test interface

6、Measurement of BT Antenna



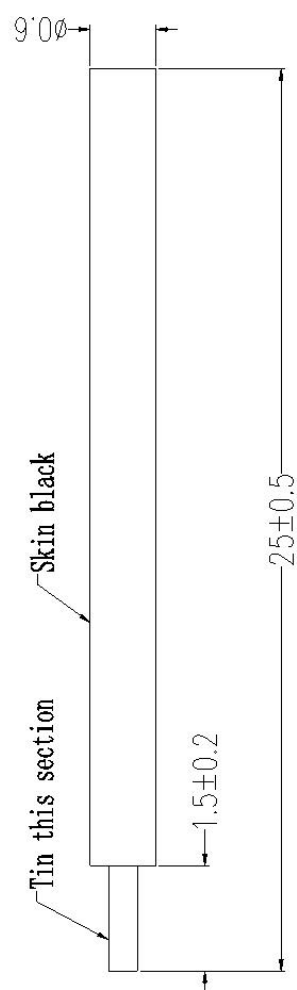
Test software


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: $L=25\text{mm}$ $D=0.6\text{mm}$

7、 Structural drawing

	2	3	4	5	6	7
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深圳市千目通讯科技有限公司															
ShenZhen QianMu Communication Technology Co.,Ltd															
$\oplus \cdot \triangleleft$				algorithm		name		model		position		DATE		2022/10/	
0~10		± 0.10		\bigcirc 0.02		name		model		position		kf		king	
10~20		± 0.12		\odot 0.03		number									
20~40		± 0.15		\perp 0.02											
40~50		± 0.20		∇ 0.04											
				\angle 0.02											
		POSITION										Company		ID	
		5		6		7									