

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

Specification description	Product content	Specification	Customer material code
n	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

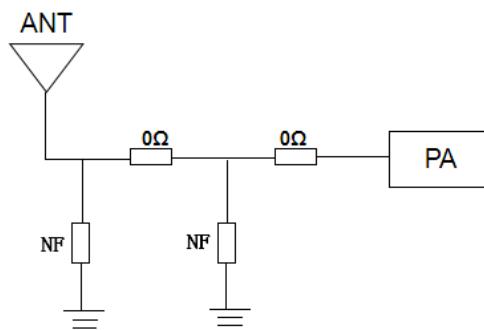
R&D	Structure	Audit	Judge
			PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>

Customer sample confirmation

Electron	Structure	Project	Procurement	Quality	Audit

Reasons for rejection or other precautions:

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

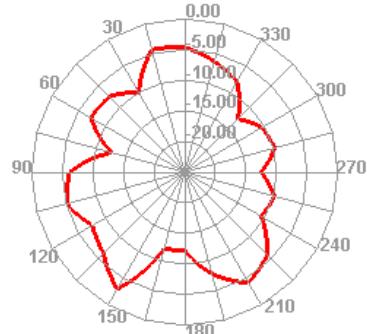
	A	B	C	D	E	F	G	H	I	J	K
1	Passive Test For 2.4GWIFI										
2	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenuat Hor	Attenuat Ver
4	2400	18.36	-7.36	-1.71	-3.86	8.129	10.232	-1.71	-14.59	48.51	48.38
5	2410	19.44	-7.11	-1.48	-3.63	8.483	10.956	-1.48	-14.79	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

2400.00MHz - 2500.00MHz Gain

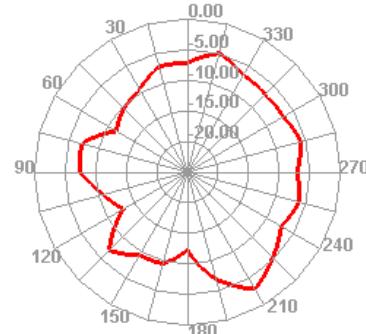
Peak antenna gain: -0.81dB

4. Antenna Pattern and Apple Pattern

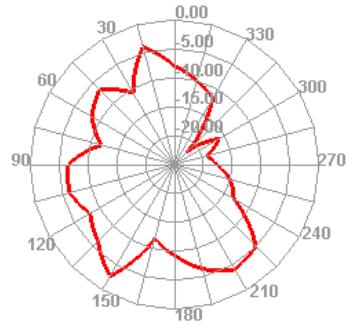
2400.000MHz E1



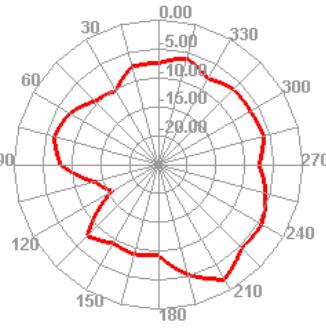
2400.000MHz E2



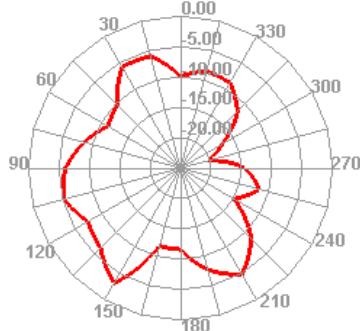
2450.000MHz E1



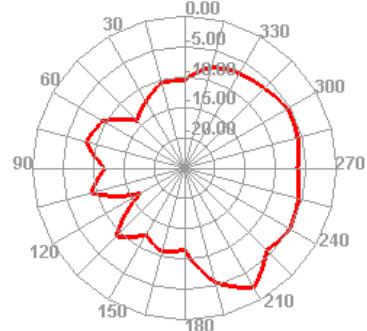
2450.000MHz E2



2500.000MHz E1



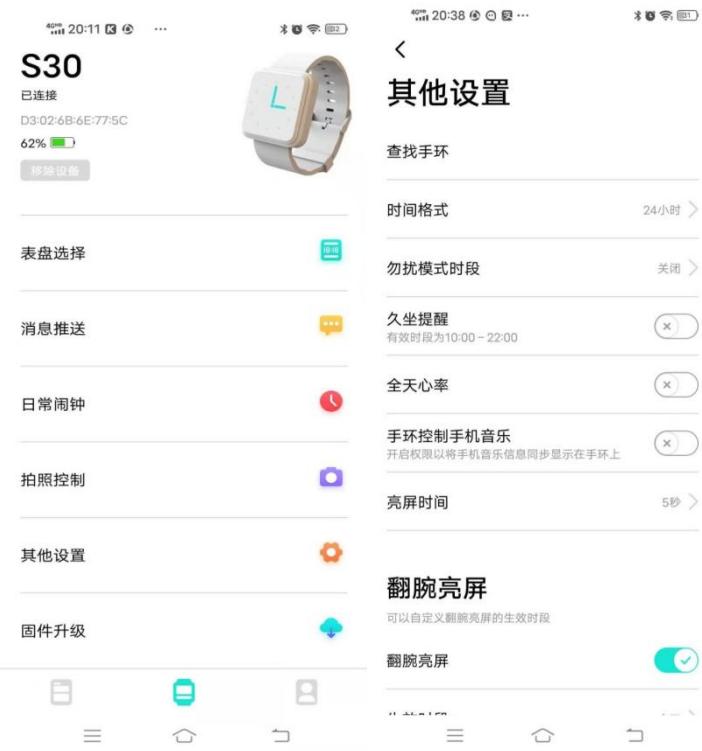
2500.000MHz E2



5. BT antenna measurement

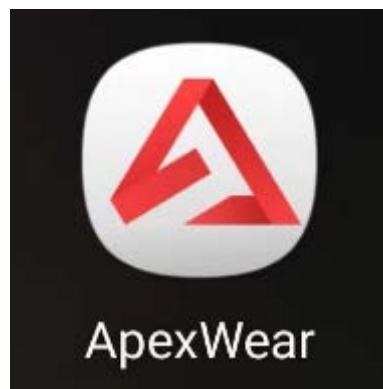


Music control test



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=25mm D=0. 6mm

7、Structural drawing

