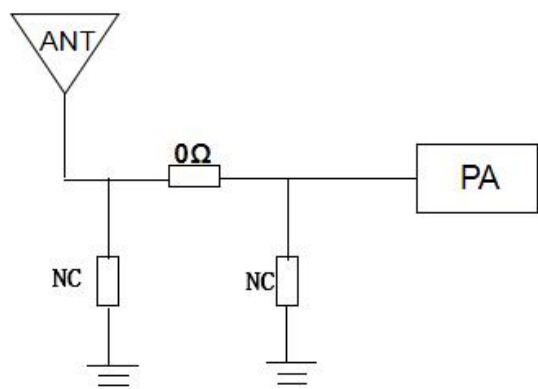


Acceptance of antenna samples

Applicable model	X6		
Customer	Shenzhen Beibo Intelligent Technology Co., Ltd.		
Specification description			
	Product content	Specification	Customer material code
Specification description	Bluetooth antenna	FPC/Black/Character BBZN-X6	01.BBZNX600003
Change of resume			
Serial number	Date	Version	Brief description of the changes
1	2022-02-21	V1.0	New Project, X6-BB
2			
3			

Supplier sample confirmation					
Research and development	Structure	Audit	Judgement		
			PASS FAIL		
Customer sample confirmation					
Electron	Structure	Project	Procurement	Quality	Audit
Reasons for rejection or other precautions:					

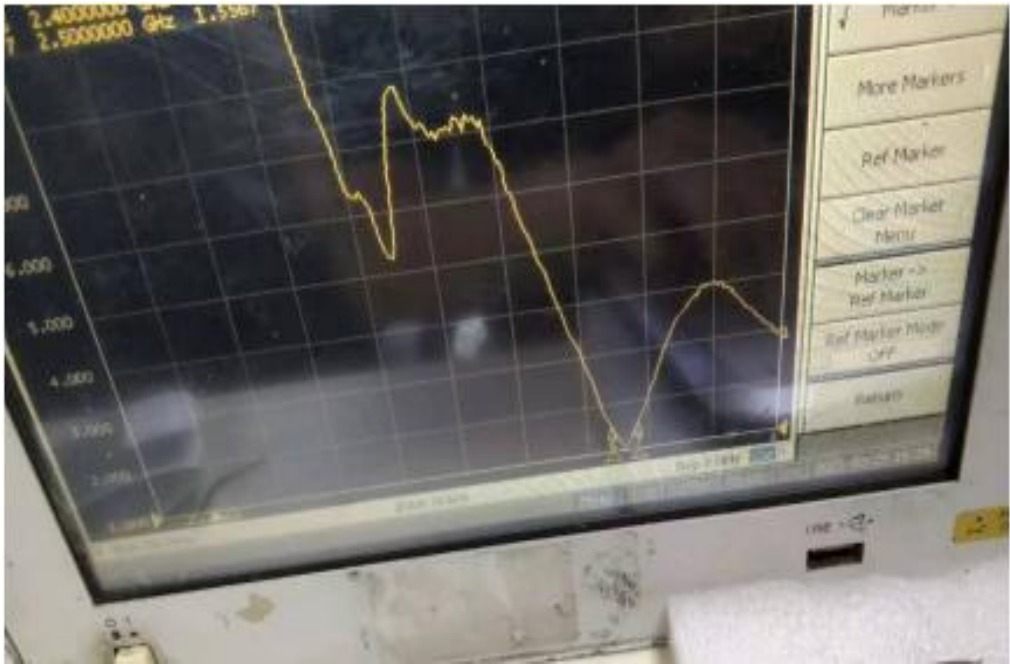
1、 Matching circuit-BT antenna



No changes have been made to your original matching circuit

2、 BT passive parameters/actual test

Band	BT	
	2400	2500
VSWR	1.5	1.5



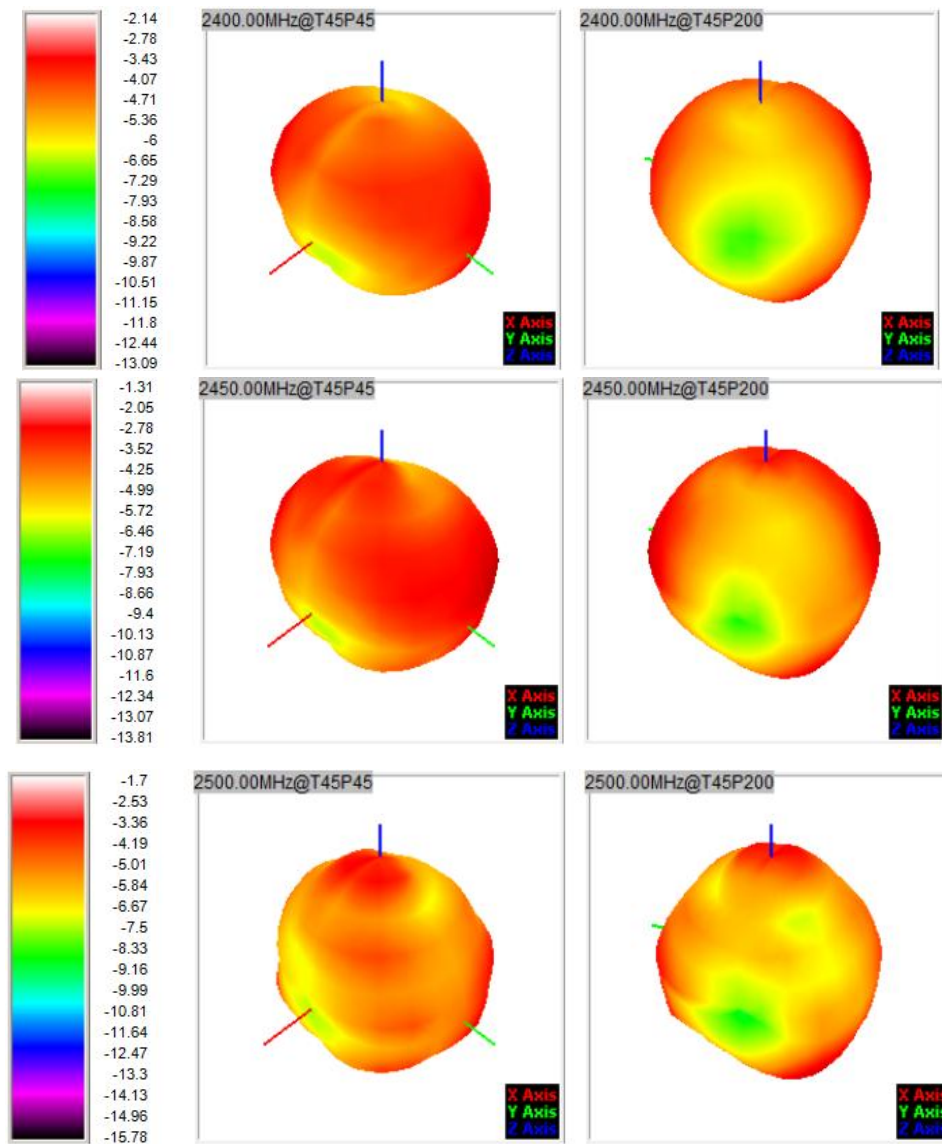
3、 Active Power Test Data

	2400~2500Mz		
Channel	1	7	13
TRP	14.7	14.9	15.6
TIS	-85.1	-85.6	-85.9

4、Antenna Gain and Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-4.91	-4.97	-4.85	-4.69	-4.59	-4.41	-4.56	-5	-5.16	-5.19	-5.22
Peak EIRP (dBm)	-2.14	-2.1	-2.02	-1.88	-1.69	-1.31	-1.36	-1.8	-2.1	-1.86	-1.7
Directivity (dBi)	2.77	2.87	2.83	2.82	2.9	3.1	3.2	3.2	3.06	3.33	3.52
Efficiency (dB)	-4.91	-4.97	-4.85	-4.69	-4.59	-4.41	-4.56	-5	-5.16	-5.19	-5.22
Efficiency (%)	32.3	31.8	32.7	33.9	34.7	36.2	35	31.6	30.5	30.3	30
Gain (dBi)	-2.14	-2.1	-2.02	-1.88	-1.69	-1.31	-1.36	-1.8	-2.1	-1.86	-1.7
NHPRP $\pm\pi/4$ (dBm)	-6.43	-6.49	-6.39	-6.25	-6.17	-6	-6.16	-6.58	-6.72	-6.73	-6.77
NHPRP $\pm\pi/6$ (dBm)	-8	-8.07	-7.97	-7.82	-7.76	-7.59	-7.75	-8.15	-8.28	-8.28	-8.32
NHPRP $\pm\pi/8$ (dBm)	-9.23	-9.31	-9.21	-9.07	-9	-8.82	-8.96	-9.34	-9.44	-9.43	-9.45
Upper Hem. PRP (dBm)	-7.92	-7.9	-7.76	-7.62	-7.56	-7.45	-7.7	-8.25	-8.52	-8.65	-8.74
Lower Hem. PRP (dBm)	-7.93	-8.06	-7.96	-7.79	-7.65	-7.39	-7.45	-7.78	-7.85	-7.79	-7.78
Upper Hem. PRP (%)	16.16	16.22	16.74	17.3	17.55	18	16.98	14.97	14.05	13.64	13.35
Lower Hem. PRP (%)	16.11	15.62	15.98	16.65	17.17	18.24	17.98	16.67	16.41	16.63	16.68

5、antenna pattern



6、 antenna photo

