Shenzhen Huaxunshitong Technology Co.,Ltd.

Antenna specification

Customer name:_Yawei_

Project name	R02	Antenna frequency band	BT
Specification description	☐ support+shell fragment	☐ Single shrapnel	☐support+FPC+thimble
	☑FPC	☐FM aerial	☐GPS aerial
	☐coaxial-line	☐WIFI aerial: ☐FPC+wire rod： ☐PCB+wire rod:	
Customer confirmation			

Supplier confirmation	Radio frequency confirmation	Structural confirmation	check
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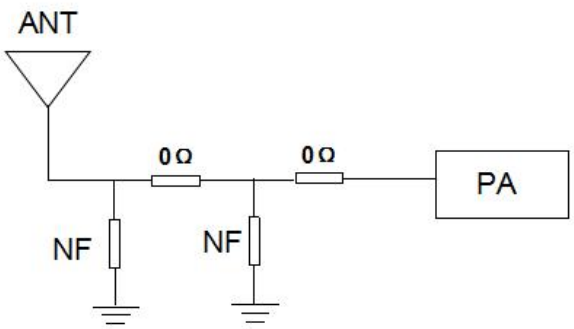
1.Test environment

	test project	equipment
1.（S-parameter）	1. （Return Loss） 2.（VSWR）	: Agilent E5071B HP 8753D
2.（Active ）	1.（TRP） 2.（TIS）	1. ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.: Agilent 8960 E5515B ×2 StarPoint SP6011
3.（Passive）	1.（Gain）2.（Efficiency）	1.ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Agilent E5071B HP 8753D

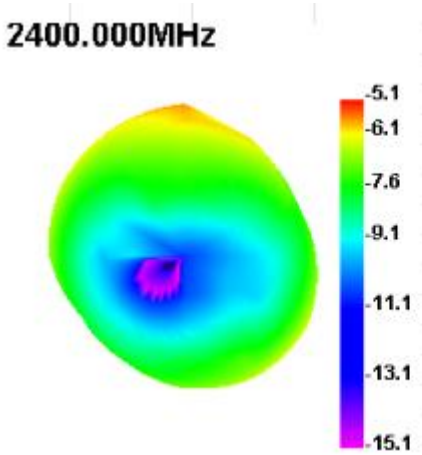
2.matching circuit-BT aerial：

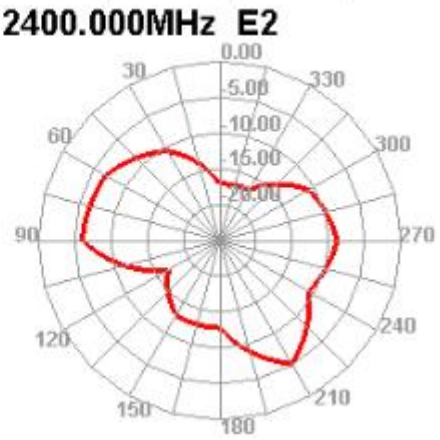


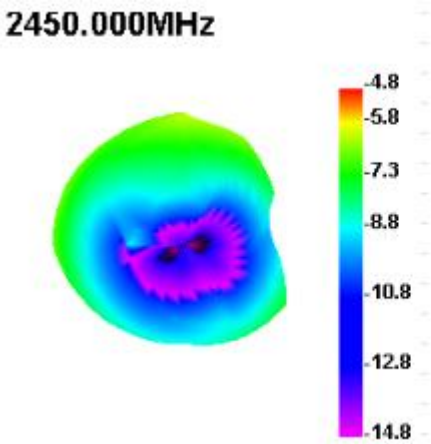
Our company has not made any modification to the matching circuit

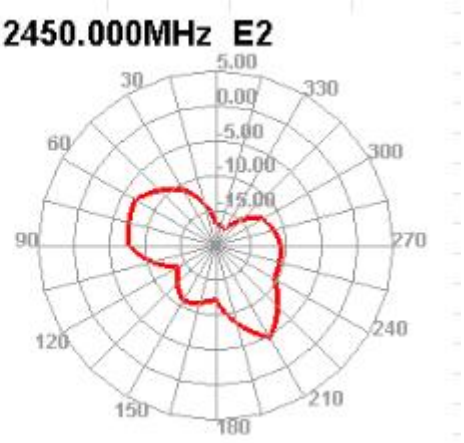
3 Efficiency and gain

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	9.02	-10.45	-5.13	-7.28	4.44	4.584	-5.13	-26.7	5.31	0	55.76	57.21
2410	9.94	-10.02	-4.64	-6.79	4.828	5.116	-4.64	-24.32	5.39	0	55.83	58.53
2420	10.85	-9.65	-4.22	-6.37	5.265	5.587	-4.22	-21.79	5.43	0	56.07	58.09
2430	9.74	-10.11	-4.55	-6.7	4.639	5.105	-4.55	-21.03	5.56	0	56.25	58.05
2440	8.23	-10.85	-5.12	-7.27	3.824	4.406	-5.12	-21.78	5.73	0	56.61	58.56
2450	8.71	-10.6	-4.78	-6.93	3.945	4.762	-4.78	-20.69	5.82	0	56.87	58.64
2460	8.15	-10.89	-5.14	-7.29	3.666	4.479	-5.14	-21.95	5.75	0	56.54	57.97
2470	7.89	-11.03	-4.92	-7.07	3.483	4.405	-4.92	-22.64	6.11	0	56.17	58.01
2480	7.29	-11.37	-5.06	-7.21	3.182	4.108	-5.06	-22.92	6.31	0	56.4	57.83
2490	6.72	-11.72	-5.14	-7.29	2.898	3.827	-5.14	-23.02	6.59	0	56.48	57.83
2500	7.27	-11.39	-4.6	-6.75	3.091	4.176	-4.6	-22.11	6.79	0	56.61	58.07









4.Structural drawings