

Antenna specification

Customer name:

Project name	SB1602H	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			

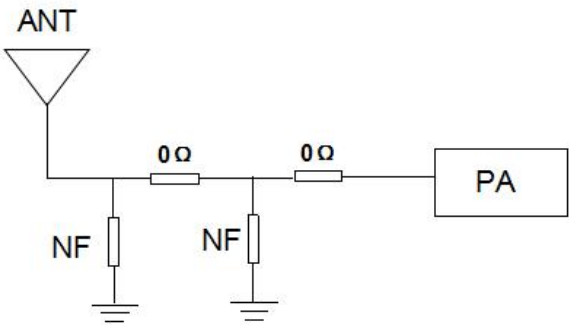
Supplier confirmation	Radio frequency confirmation	Structural confirmation	check
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1.Test environment

	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



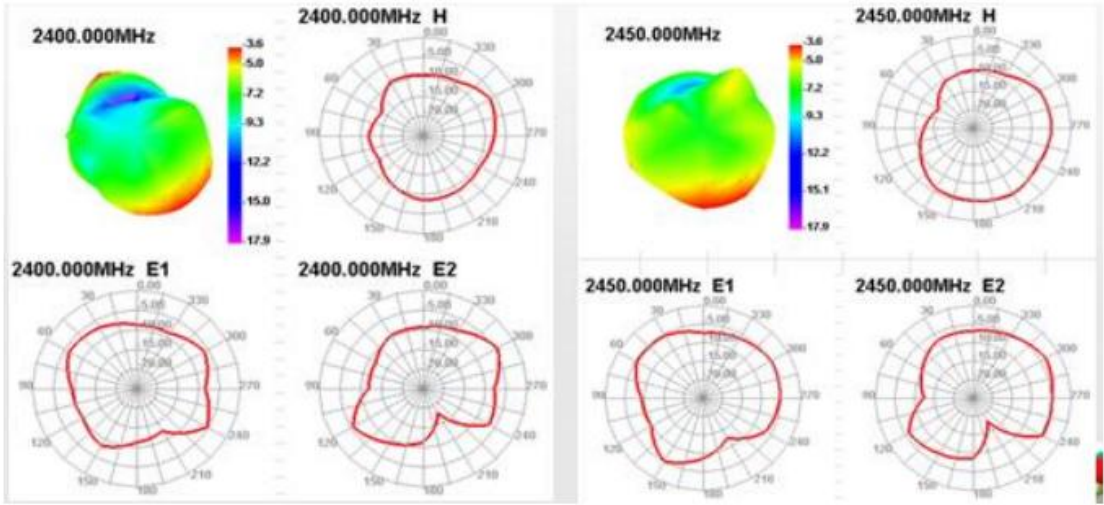
2.matching circuit-BT aerial:



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)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenuat Hor	Attenuat Ver
2400	16.58	-7.8	-3.59	-5.74	8.505	8.079	-3.59	-17.89	55.76	57.21
2410	18.06	-7.43	-4.08	-6.23	10.078	7.981	-4.08	-19.83	55.83	58.53
2420	18.11	-7.42	-3.53	-5.68	9.534	8.578	-3.53	-15.99	56.07	58.09
2430	20.43	-6.9	-4.03	-6.18	11.073	9.357	-4.03	-16.34	56.25	58.05
2440	20.51	-6.88	-3.68	-5.83	11.024	9.489	-3.68	-22.22	56.61	58.56
2450	21.7	-6.64	-3.61	-5.76	11.534	10.168	-3.61	-17.94	56.87	58.64
2460	20.77	-6.82	-3.84	-5.99	11.417	9.357	-3.84	-16.42	56.54	57.97
2470	20.35	-6.92	-3.15	-5.3	11.26	9.087	-3.15	-15.42	56.17	58.01
2480	19.98	-6.99	-3.86	-6.01	11.332	8.645	-3.86	-20.29	56.4	57.83
2490	20.57	-6.87	-3.29	-5.44	11.469	9.1	-3.29	-15.71	56.48	57.83
2500	20.8	-6.82	-3.37	-5.52	11.886	8.919	-3.37	-14.87	56.61	58.07



4.Structural drawings

1		2		3		4		5		6		7		8	
A		B		C		D		A		B		C		D	
ROHS Technical and material requirements: 1.FPC substrate with a half, good toughness, not easy to tear. 2.Oil film (FPC color); black; back glue: 3M back glue; bright black silk mark 3.The product shall meet the company's ROHS and other relevant test requirements 4.The linear size is unannotated tolerance as SJ / T 10628 1995 6, tolerance value is divided between upper and lower deviation. copper leakage ☐ outline ☐ copper foil ☐ Hand tear Back coating ☐ position 23±0.2 3.2±0.2								BT FPC		Design	Liang	Date	2025-6-6		
								Models	SB1062H		Check	wang	RF	WEI	
								pattern							
								Material	PI+Cu						
								proportion	FIT						
Unit	mm		Shenzhen huaxunshitong Technology Co., Ltd.												
1		2		3		4		5		6		7		8	