

Shenzhen Huaxunshitong Technology Co.,Ltd.

Customer name: Shenzhen Gold-East Electronic Co.,Ltd

Project name	B537R	Antenna frequency band	BT
Specification description	☐ support+shell fragment	☐ Single shrapnel	☐ support+FPC+thimble
	☒ wire rod	☐ FM aerial	☐ GPS aerial
	☐ coaxial-line	☐ WIFI aerial: ☐ FPC+wire rod: ☐ PCB+wire rod:	
Customer confirmation			

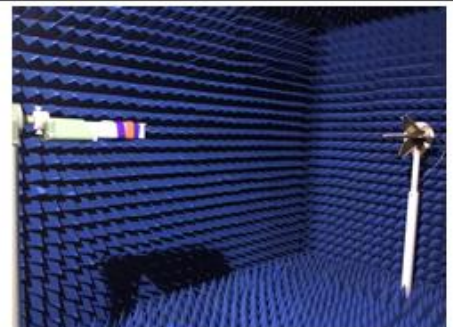
Supplier confirmation	Radio frequency confirmation	Structural confirmation	check
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1.Test environment

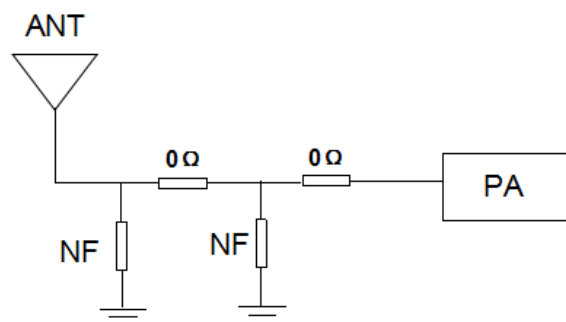
version:R-A

date: 2026-04-28

	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



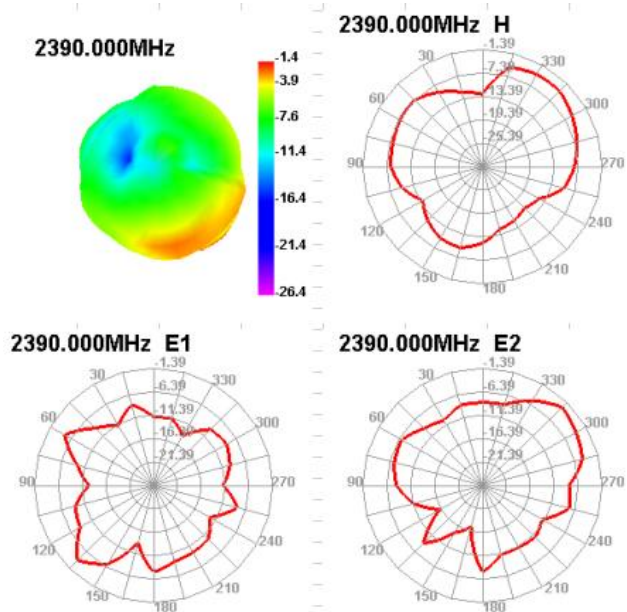
2.matching circuit-BT aerial:



Our company has not made any modification to the matching circuit

3 Efficiency and gain

Passive Test For 2400										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2390	18.48	-7.33	-1.39	-3.54	9.91	8.567	-1.39	-26.39	52.25	52.32
2400	19.84	-7.02	-0.62	-2.77	10.662	9.177	-0.62	-20.59	52.52	52.65
2410	22	-6.58	-0.14	-2.29	11.909	10.094	-0.14	-18.27	52.99	53.08
2420	22.57	-6.47	0.16	-1.99	12.37	10.198	0.16	-17.04	53.15	53.24
2430	21.89	-6.6	0.18	-1.97	12.094	9.797	0.18	-17.06	53.1	53.07
2440	21.56	-6.66	-0.16	-2.31	11.957	9.604	-0.16	-19.04	53.21	53.12
2450	20.31	-6.92	-0.42	-2.57	11.291	9.02	-0.42	-22.63	52.87	52.75
2460	21.01	-6.78	-0.26	-2.41	11.681	9.326	-0.26	-29.29	52.98	52.83
2470	21.61	-6.65	-0.17	-2.32	12.136	9.471	-0.17	-25.08	53.13	52.93
2480	22.52	-6.47	0.28	-1.87	12.726	9.794	0.28	-21.92	53.3	53.18
2490	22.99	-6.38	0.26	-1.89	13.191	9.8	0.26	-19.52	53.43	53.31
2500	23.05	-6.37	0.27	-1.88	13.271	9.776	0.27	-20.78	53.38	53.22



4 assumption diagram

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