



深圳华讯视通科技有限公司
Shenzhen Huaxunshitong Technology Co.,Ltd.

S53 BT Antenna test report

Antenna type: Internal antenna
Antenna gain: 0.5 dBi

2024-04-18

Address : F3-005, Hongfenghua Internet Creative Park, No.1 Huangtian Gate Road, Hangcheng Street, Baoan District, Shenzhen
Tel: 18681511432



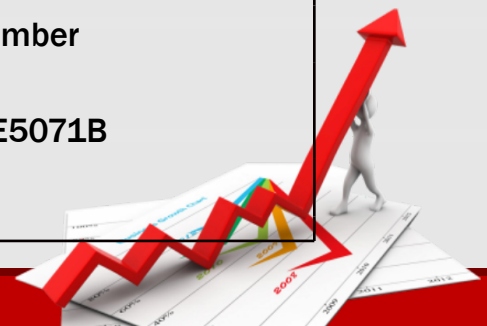


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Test items and equipment

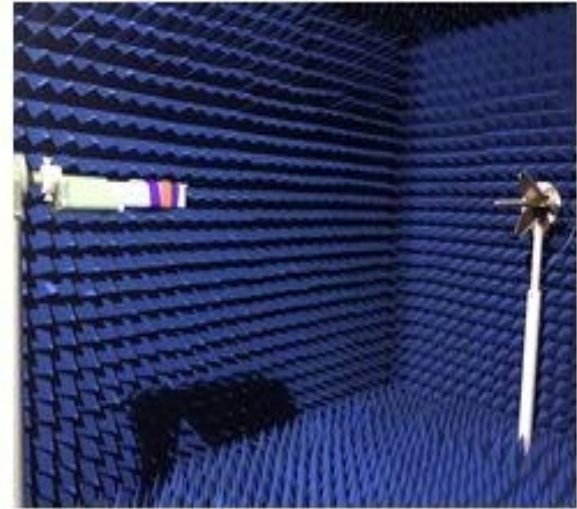
1. S参数 (S-parameter)	1 · 回波损耗 (Return Loss) 2 · 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1 · 发射功率 (TRP) 2 · 接收灵敏度 (TIS)	1 · 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.综合测试仪: Agilent 8960 E5515B ×2 StarPoint SP6011
3.无源测试 (Passive)	1.天线增益 (Gain) 2.天线效率 (Efficiency)	1 · 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2 · 网络分析仪: Agilent E5071B HP 8753D





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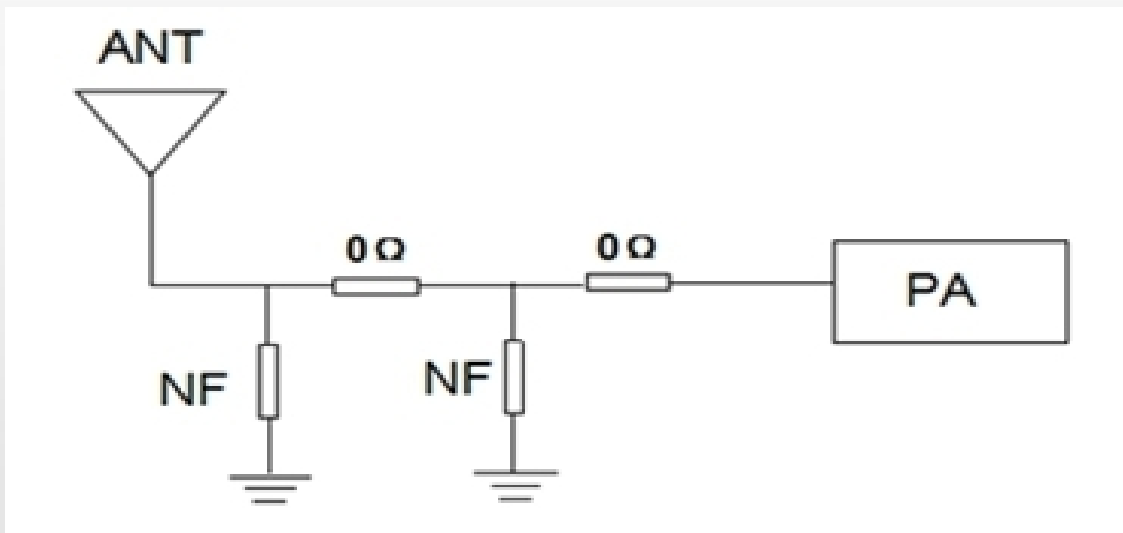
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Matching circuit



我司未对匹配电路做任何修改





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BT gain and efficiency

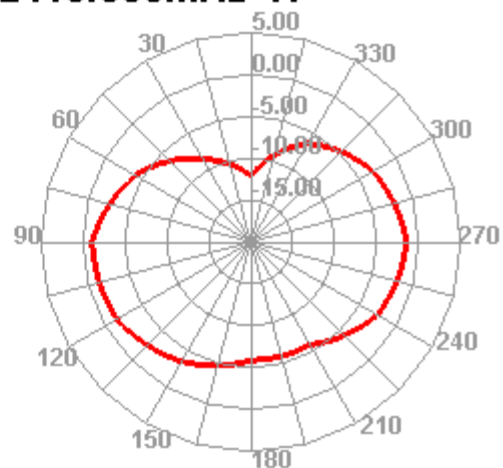
Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	46.18	-3.36	0.48	-1.77	27.764	18.42	0.48	-12.85	52.03	53.99
2410	46.32	-3.28	0.43	-1.72	26.242	17.074	0.43	-12.18	51.99	53.84
2420	45.19	-3.45	0.22	-1.93	28.056	17.136	0.22	-11.92	52.04	53.98
2430	46.29	-3.35	0.15	-2	28.37	17.919	0.15	-12.14	52.23	54.02
2440	50.34	-3.37	0.49	-1.66	27.629	19.708	0.49	-11.94	52.54	54.25
2450	46.55	-3.32	0.42	-1.73	28.409	18.142	0.42	-12.27	52.64	54.11
2460	45.61	-3.41	0.34	-1.81	27.523	18.084	0.34	-11.46	52.59	54.02
2470	46.74	-3.3	0.5	-1.64	28.255	18.489	0.51	-11.54	52.66	54.04
2480	49.63	-3.34	0.41	-1.84	26.102	17.524	0.41	-12.38	53.06	54.43
2490	41.42	-3.33	0.49	-1.76	28.19	17.931	0.49	-14.8	53.33	54.57
2500	47.42	-3.24	0.5	-1.65	28.123	18.293	0.5	-17.82	53.11	54.29



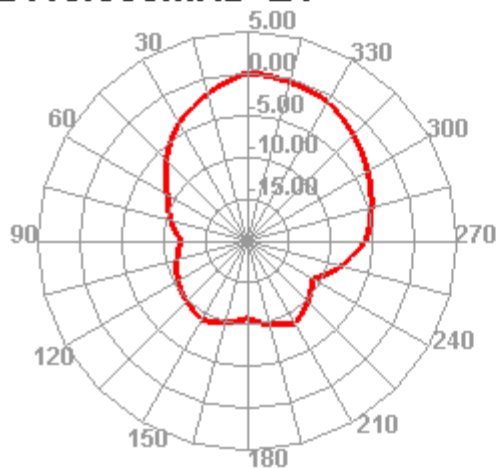
2410.000MHz



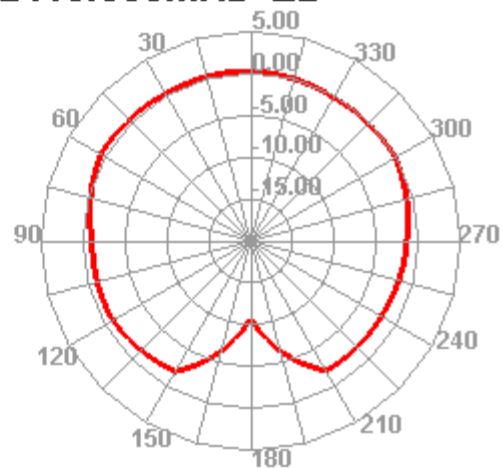
2410.000MHz H



2410.000MHz E1



2410.000MHz E2





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Thanks!

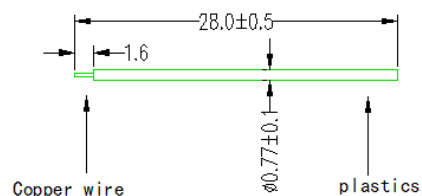




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ROHS



Technical and material requirements:

- 1.Wire material color: black
- 2.Full test guide
- 3.The product shall meet the company's ROHS and other relevant test requirements
- 4.SJ / T 10628 1995 6, and tolerance value is equally divided between upper and lower deviation

BT		Design	liang	Date	2024-4-18
Models	S53	Check	wang	RF	jin
pattem					
Material	plastics+Copper				
proportion	FIT				
Unit	mm	Shenzhen huaxunshitong Technology Co., Ltd.			

