



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

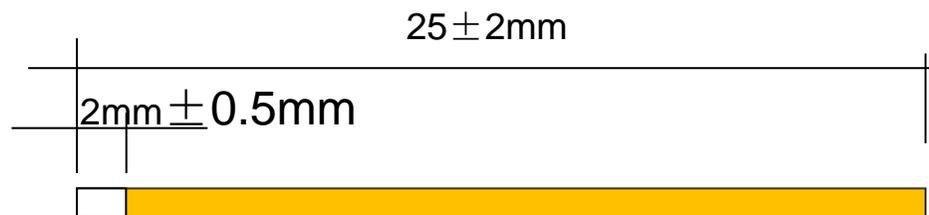
S46J-BT 天线测试报告

2023-12-16





规格书



Model: Single enamelled copper wire outer diameter
0.55MM

Technical requirements:

1, stained with tin bright, no broom head fork and other bad

2, no dirt, foreign body.

3, enamelled copper wire by a diameter of
0.55 ± 0.01mm copper wire.

4, enamelled copper color is copper, one end of the tin plating is silver white.

5, good weldability (375 ± 25°C)

客户					品名					图号				
绘图					客料					日期				
审核					比例					单位		mm		
核准					投影					页次		1 of 1		



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测试项目与设备

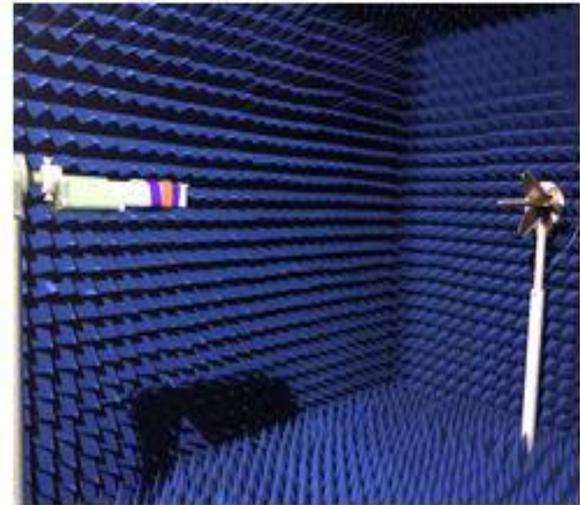
	测试项目	设备
1. S参数 (S-parameter)	<ol style="list-style-type: none">1. 回波损耗 (Return Loss)2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	<ol style="list-style-type: none">1. 发射功率 (TRP)2. 接收灵敏度 (TIS)	<ol style="list-style-type: none">1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber2. 综合测试仪: Agilent 8960 E5515B × 2 StarPoint SP6011
3. 无源测试 (Passive)	<ol style="list-style-type: none">1. 天线增益 (Gain)2. 天线效率 (Efficiency)	<ol style="list-style-type: none">1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber2. 网络分析仪: Agilent E5071B HP 8753D





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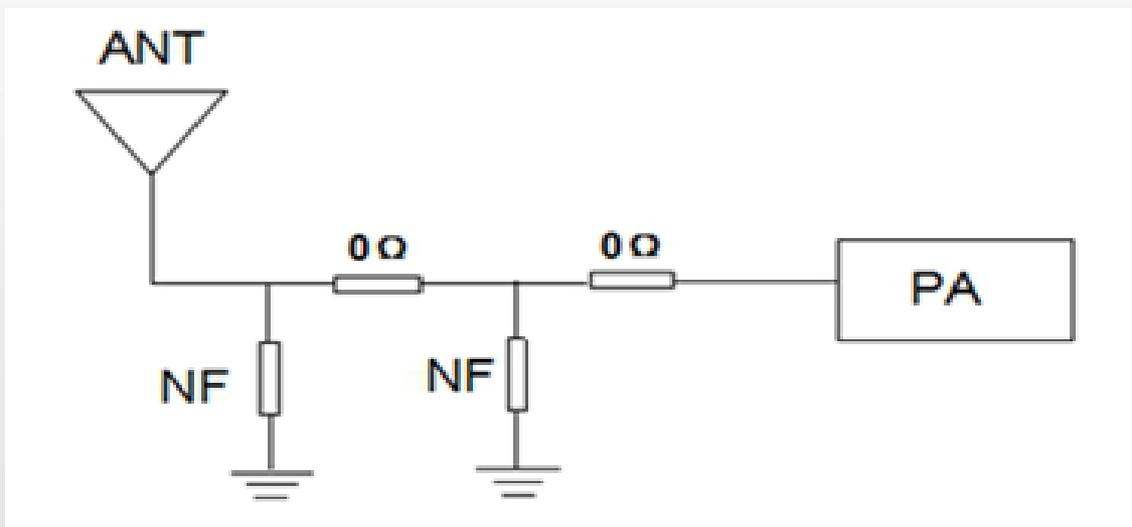
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匹配电路



我司未对匹配电路做任何修改

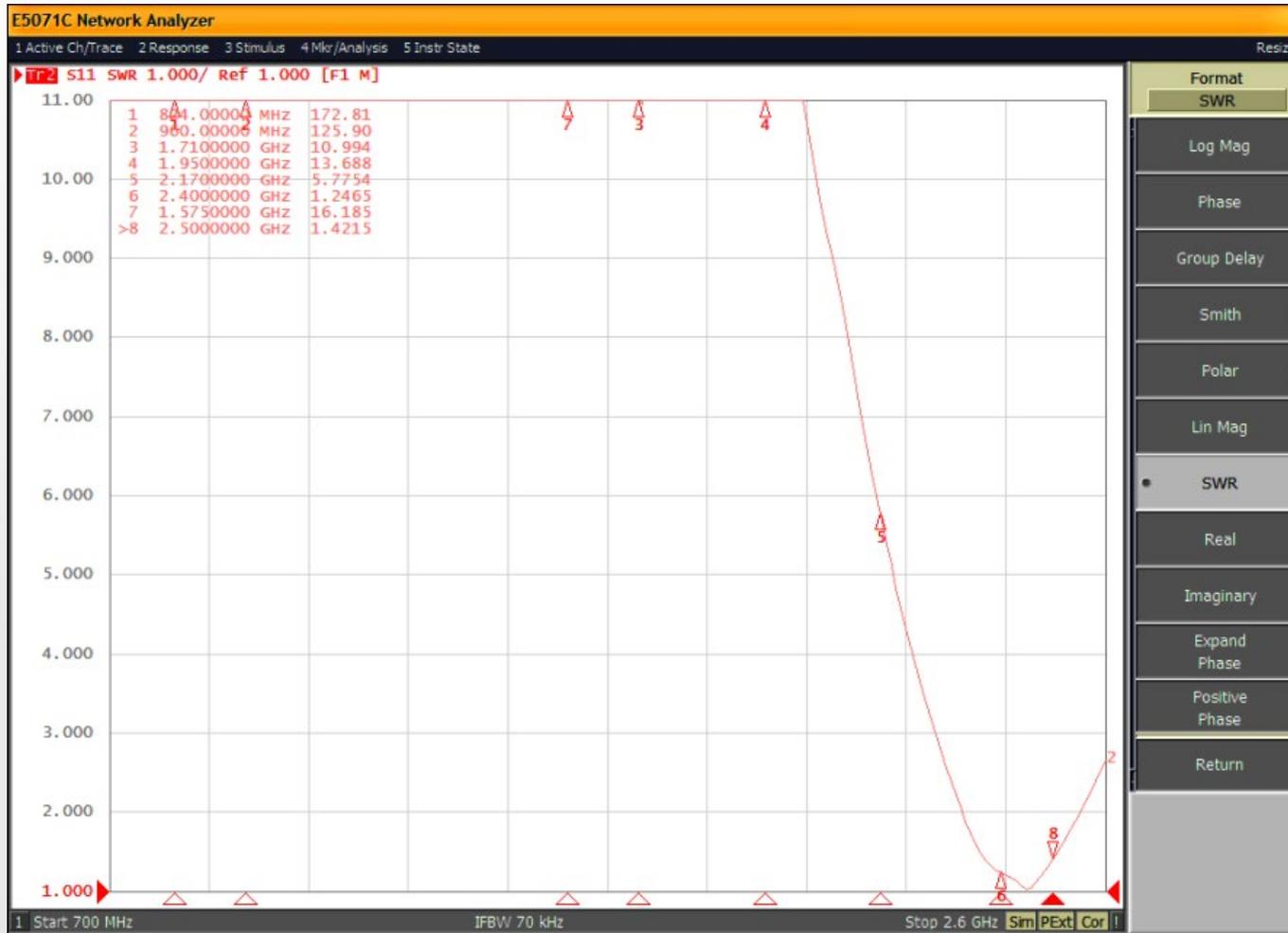




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无源驻波图





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BT增益与效率

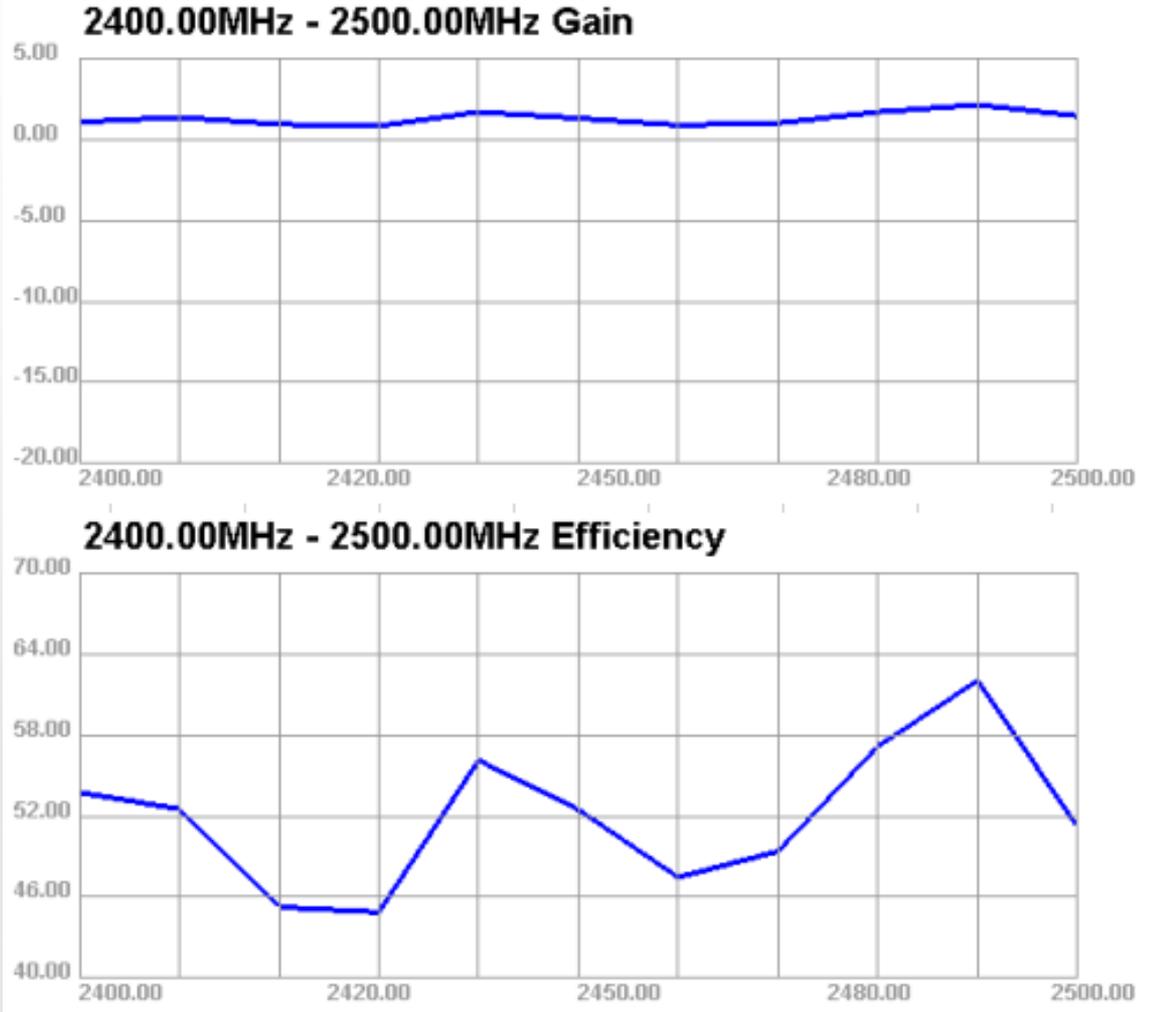
Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	53.75	-2.7	1.07	-1.08	29.839	23.915	1.07	-12.36	52.03	53.99
2410	52.53	-2.8	1.36	-0.79	29.277	23.254	1.36	-12.66	51.99	53.84
2420	45.27	-3.44	0.93	-1.22	25.085	20.183	0.93	-13.88	52.04	53.98
2430	44.89	-3.48	0.82	-1.33	24.817	20.072	0.82	-13.91	52.23	54.02
2440	56.13	-2.51	1.69	-0.46	31.253	24.876	1.69	-12.48	52.54	54.25
2450	52.48	-2.8	1.3	-0.85	29.203	23.28	1.3	-12.62	52.64	54.11
2460	47.47	-3.24	0.88	-1.27	26.704	20.768	0.88	-12.52	52.59	54.02
2470	49.39	-3.06	1.01	-1.14	27.997	21.394	1.01	-12.17	52.66	54.04
2480	57.15	-2.43	1.68	-0.47	32.513	24.636	1.68	-11.84	53.06	54.43
2490	62.03	-2.07	2.13	-0.02	35.74	26.288	2.13	-12.93	53.33	54.57
2500	51.26	-2.9	1.45	-0.7	29.748	21.509	1.45	-13.99	53.11	54.29



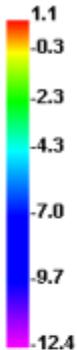
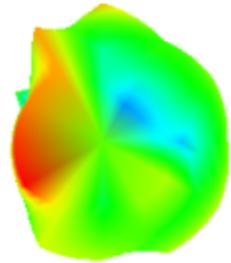


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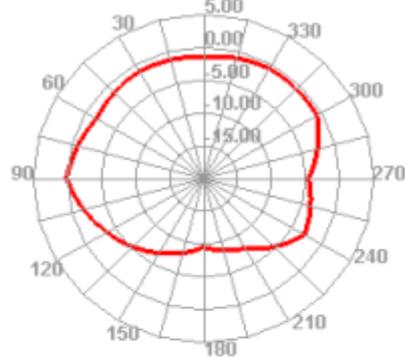
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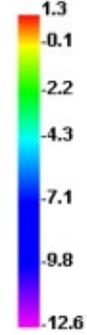
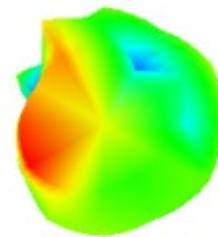
2400.000MHz



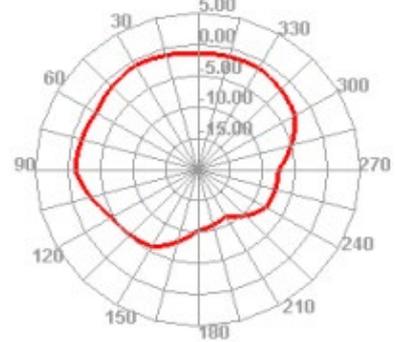
2400.000MHz H



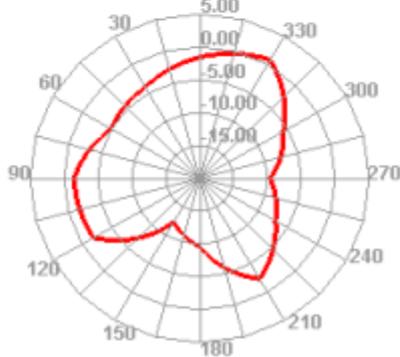
2450.000MHz



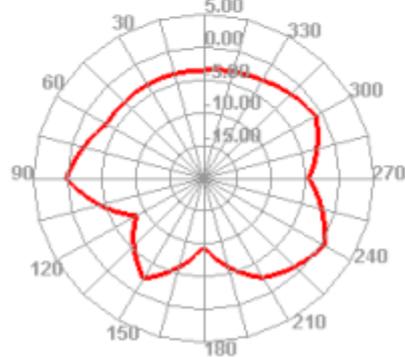
2450.000MHz H



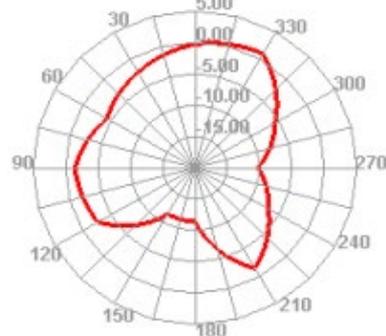
2400.000MHz E1



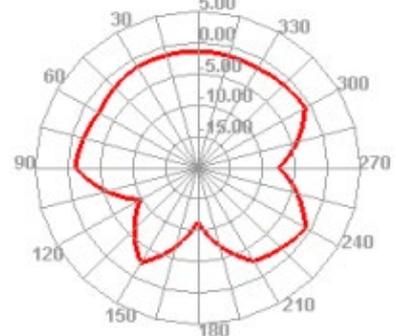
2400.000MHz E2



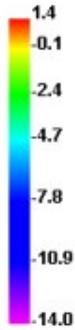
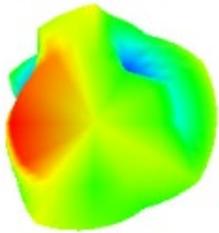
2450.000MHz E1



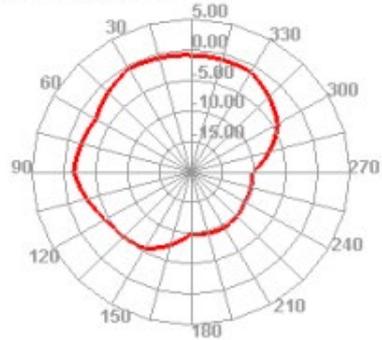
2450.000MHz E2



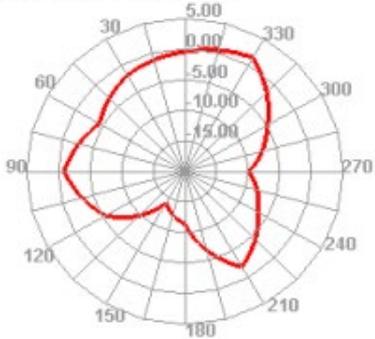
2500.000MHz



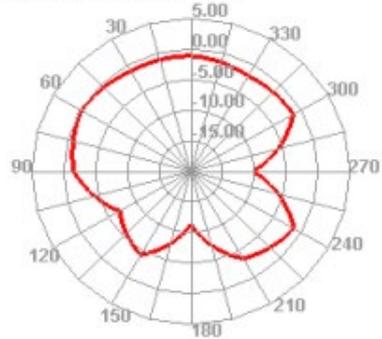
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





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Thanks!

