



深圳华讯视通科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

BT-2.4G
天线测试报告

2025-11-21





深圳华讯视通科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

测试项目与设备

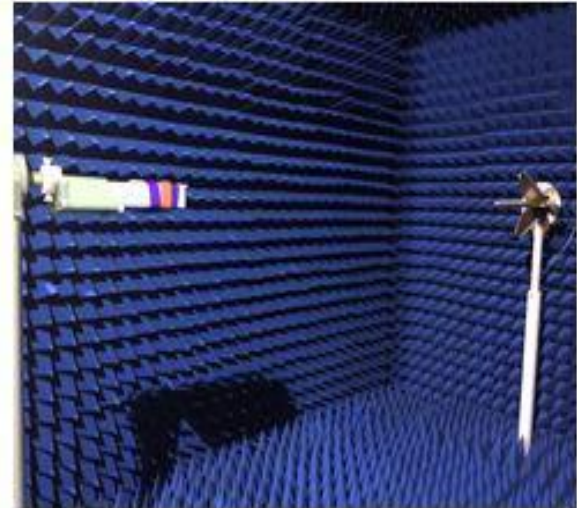
	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B × 2 StarPoint SP6011
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)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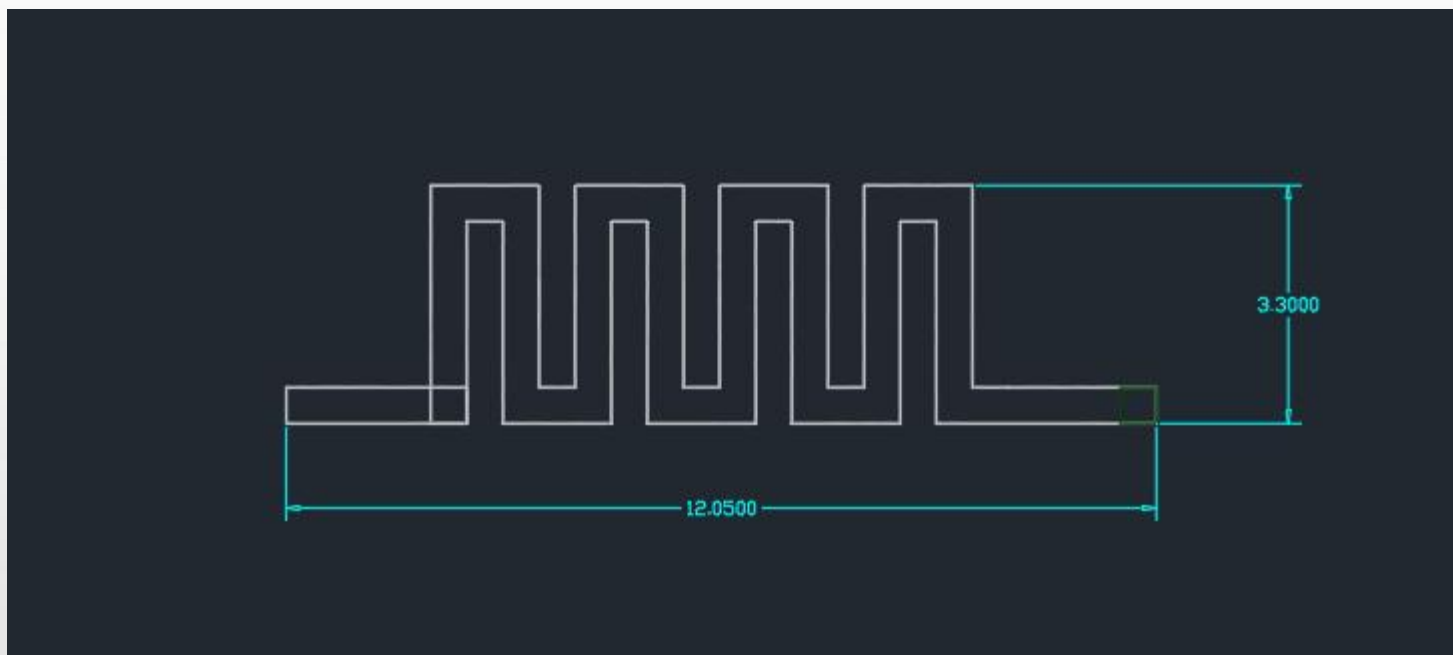
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天线





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效率与增益

Passive Test For BT 2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	15.88	-7.99	-4.7	-6.85	7.679	8.206	-4.7	-25.72	3.29	30	52.03	53.99
2410	13.65	-8.65	-5.47	-7.62	6.596	7.056	-5.47	-25.77	3.18	30	51.99	53.84
2420	15.92	-7.98	-4.85	-7	7.607	8.31	-4.85	-26.09	3.13	30	52.04	53.98
2430	20.6	-6.86	-3.67	-5.82	9.863	10.736	-3.67	-28.12	3.19	30	52.23	54.02
2440	15.63	-8.06	-4.89	-7.04	7.468	8.165	-4.89	-25.39	3.17	30	52.54	54.25
2450	14.92	-8.26	-5.09	-7.24	7.127	7.789	-5.09	-24.73	3.18	30	52.64	54.11
2460	20.45	-6.89	-3.75	-5.9	9.71	10.737	-3.75	-19.65	3.14	30	52.59	54.02
2470	23.26	-6.33	-3.43	-5.58	11.122	12.139	-3.43	-18.98	2.9	30	52.66	54.04
2480	20.76	-6.83	-3.88	-6.03	10.163	10.596	-3.88	-20.46	2.95	30	53.06	54.43
2490	18.9	-7.24	-4.44	-6.59	9.487	9.411	-4.44	-19.84	2.8	30	53.33	54.57
2500	25.38	-5.95	-3.11	-5.26	12.791	12.592	-3.11	-17.69	2.84	30	53.11	54.29



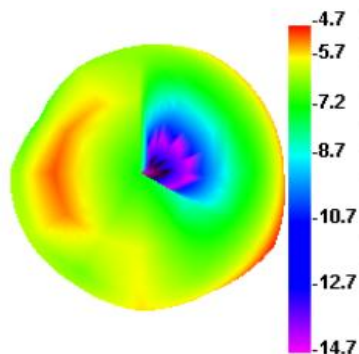


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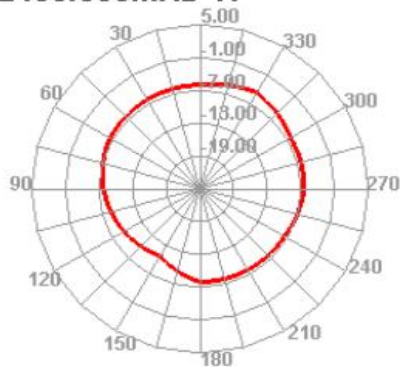
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效率与增益

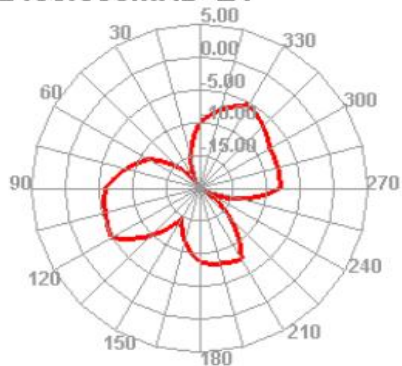
2400.000MHz



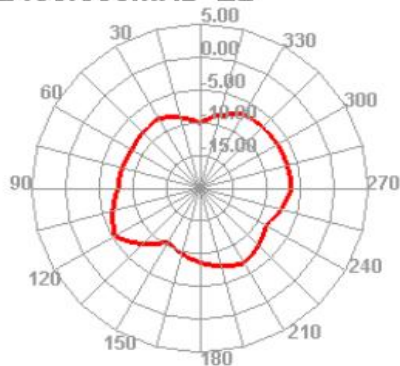
2400.000MHz H



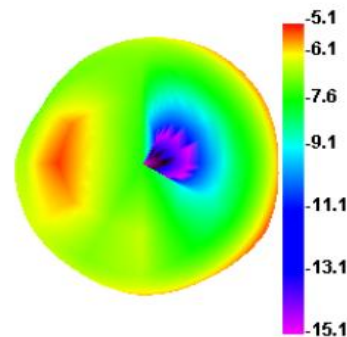
2400.000MHz E1



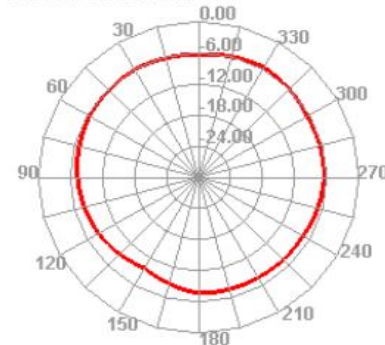
2400.000MHz E2



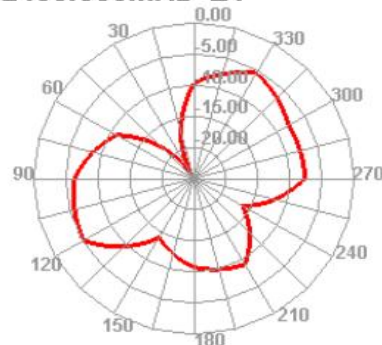
2450.000MHz



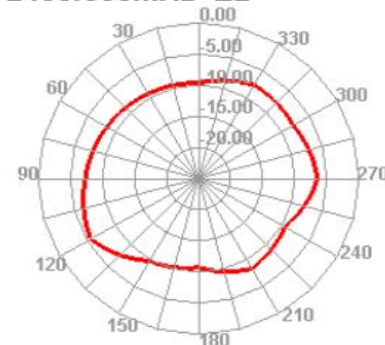
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



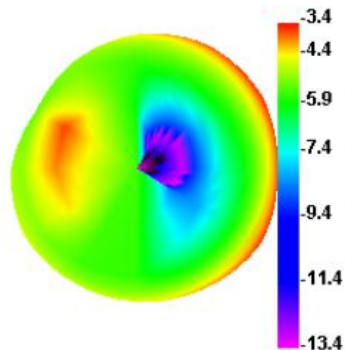


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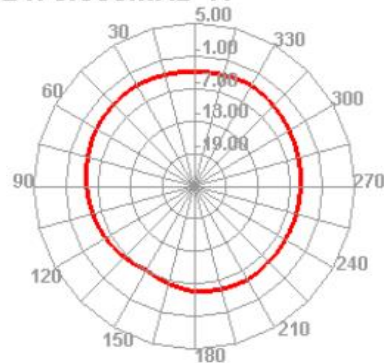
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效率与增益

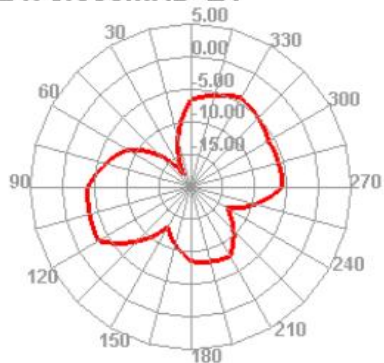
2470.000MHz



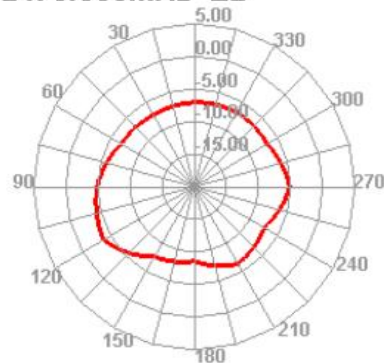
2470.000MHz H



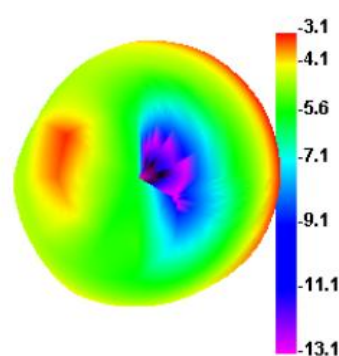
2470.000MHz E1



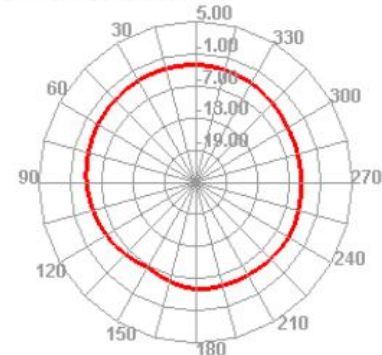
2470.000MHz E2



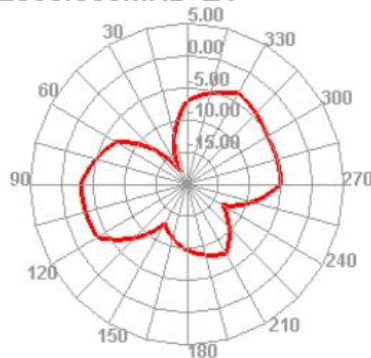
2500.000MHz



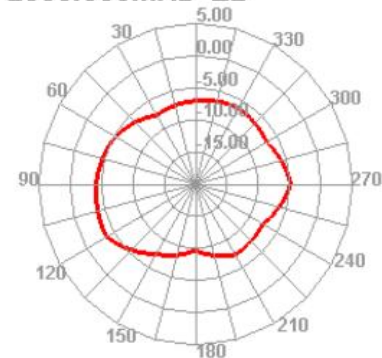
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





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Thanks !

