



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

BT,WIFI 天线测试报告

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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



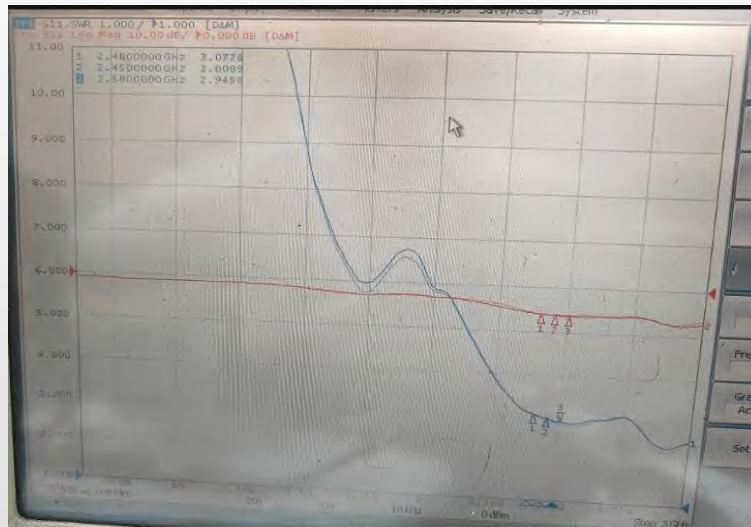


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WIFI 驻波图和尺寸



WIFI天线尺寸：10.92*8.45*0.2mm

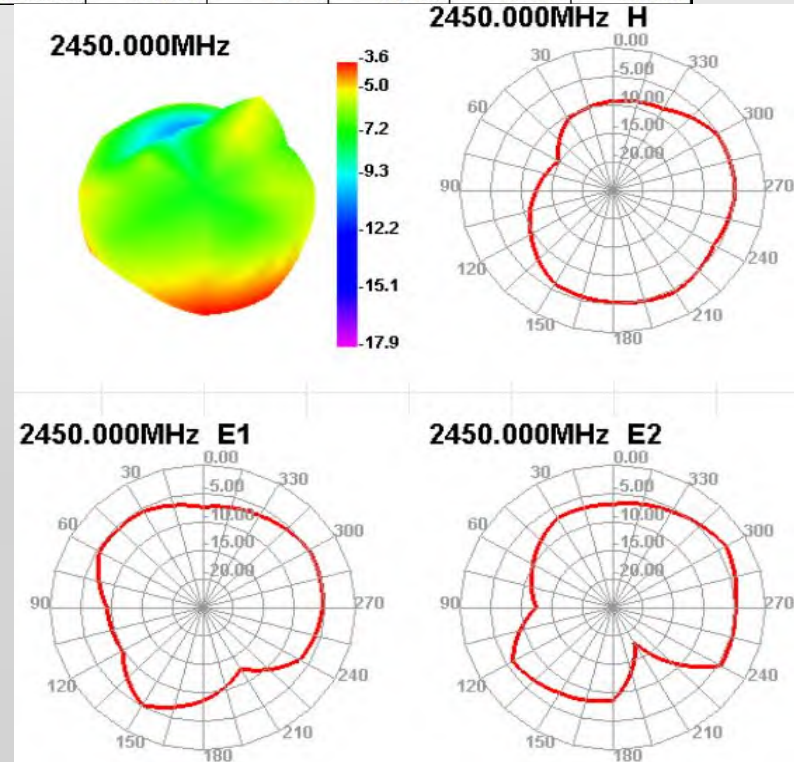
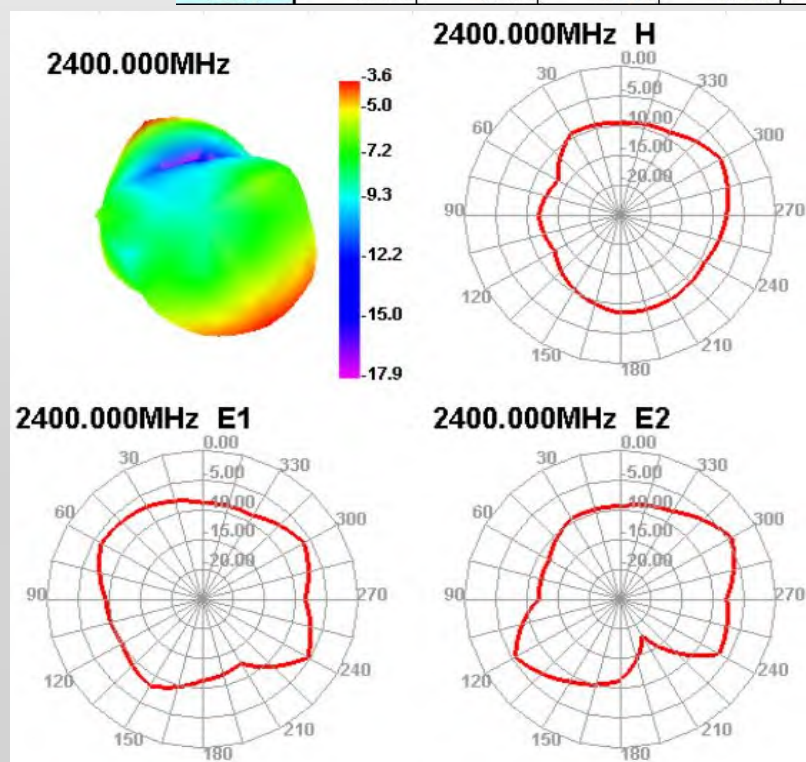


BT天线尺寸：φ0.77*25mm



效率与增益-WIFI

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	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



效率与增益-BT

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2300	2.26	-16.46	-11.2	-13.35	1.037	1.221	-11.2	-23.57	5.26	0	55.12	56.6
2310	2.24	-16.49	-12.45	-14.6	1.055	1.187	-12.45	-27.66	4.04	0	54.91	56.5
2320	2.03	-16.91	-11.54	-13.69	1.013	1.021	-11.54	-26.91	5.37	0	54.8	56.13
2330	1.79	-17.47	-12.39	-14.54	0.899	0.893	-12.39	-30.23	5.08	0	55.05	56.33
2340	2.19	-16.59	-9.9	-12.05	1.052	1.142	-9.9	-26.92	6.69	90	55.41	57.9
2350	1.93	-17.14	-12.49	-14.64	0.938	0.996	-12.49	-26.18	4.65	0	55.72	57.75
2360	2.67	-15.74	-9.49	-11.64	1.334	1.335	-9.49	-24.23	6.24	0	55.95	57.79
2370	1.47	-18.33	-13.83	-15.98	0.736	0.734	-13.83	-26.86	4.49	60	55.79	57.25
2380	1.49	-18.28	-12.85	-15	0.759	0.726	-12.85	-27.04	5.43	30	55.95	57.45
2390	1.81	-17.43	-12.08	-14.23	0.868	0.941	-12.08	-24.88	5.34	0	55.8	57.98
2400	1.64	-17.84	-11.2	-13.35	0.838	0.804	-11.2	-25.73	6.64	30	55.76	57.21
2410	1.74	-17.59	-10.95	-13.1	0.812	0.929	-10.95	-28.07	6.64	60	55.83	58.53
2420	1.71	-17.67	-11.93	-14.08	0.849	0.861	-11.93	-27.64	5.74	60	56.07	58.09
2430	1.71	-17.67	-12.35	-14.5	0.941	0.769	-12.35	-28.79	5.32	60	56.25	58.05
2440	2.53	-15.97	-7.98	-10.13	1.347	1.183	-7.98	-25.5	7.99	0	56.61	58.56
2450	1.83	-17.38	-12.66	-14.81	0.985	0.843	-12.66	-29.17	4.72	90	56.87	58.64
2460	2.12	-16.73	-11.97	-14.12	1.149	0.974	-11.97	-26.12	4.76	90	56.54	57.97
2470	2.12	-16.74	-10.46	-12.61	1.146	0.973	-10.46	-28.91	6.28	0	56.17	58.01
2480	2.45	-16.11	-10.44	-12.59	1.434	1.017	-10.44	-35	5.66	0	56.4	57.83
2490	2.3	-16.38	-10.87	-13.02	1.252	1.049	-10.87	-28.43	5.51	30	56.48	57.83
2500	2.24	-16.5	-11.34	-13.49	1.223	1.013	-11.34	-31.66	5.17	60	56.61	58.07
2510	2.54	-15.96	-10.35	-12.5	1.411	1.125	-10.35	-32.56	5.61	30	56.67	57.71
2520	2.69	-15.7	-11.24	-13.39	1.498	1.192	-11.24	-32.28	4.47	0	56.43	57.53
2530	2.62	-15.81	-11.58	-13.73	1.396	1.226	-11.58	-28.15	4.23	90	56.01	57.64
2540	2.37	-16.25	-12.18	-14.33	1.33	1.041	-12.18	-36.49	4.07	120	55.93	56.88
2550	2.44	-16.12	-11.61	-13.76	1.258	1.186	-11.61	-27.38	4.51	0	56.13	56.87
2560	2.93	-15.33	-11.31	-13.46	1.717	1.21	-11.31	-29.48	4.02	30	56.34	57.38
2570	3.03	-15.19	-10.59	-12.74	1.754	1.274	-10.59	-36.36	4.59	60	56.6	58.31
2580	1.93	-17.14	-12.24	-14.39	1.083	0.847	-12.24	-29.17	4.9	30	56.27	56.52
2590	2.4	-16.2	-10.69	-12.84	1.21	1.188	-10.69	-27.88	5.51	60	56.34	56.49
2600	2.6	-15.85	-9.75	-11.9	1.467	1.135	-9.75	-30.29	6.1	0	56.36	56.49



效率与增益-BT

