



深圳华讯视通科技有限公司

Shenzhen Huaxunshitong Technology Co.,Ltd.

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District, Shenzhen

Antenna test report





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Test items and equipment

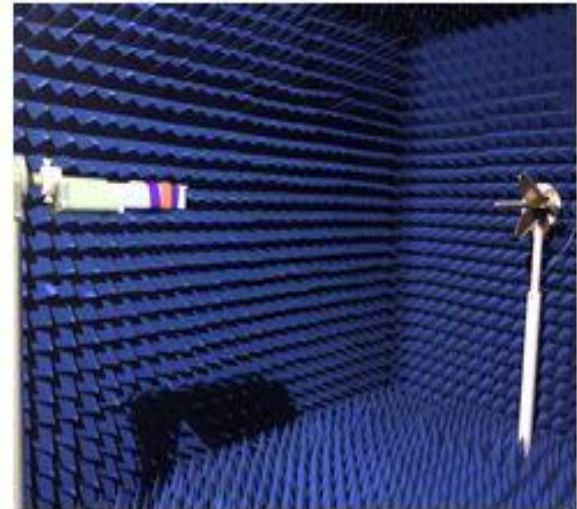
	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B ×2 StarPoint SP6011
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)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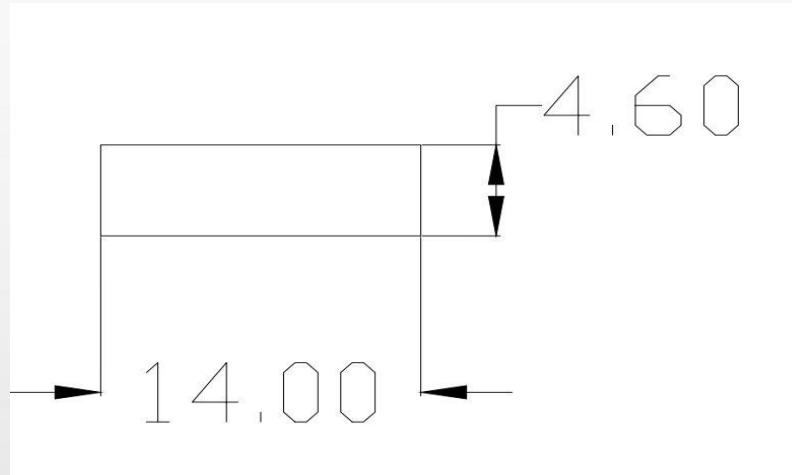
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Antenna Dimensions



Center Frequency	Horizontal		
	2400MHz	2450MHz	2500MHz
	-1.06	-1.24	-1.85



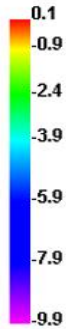
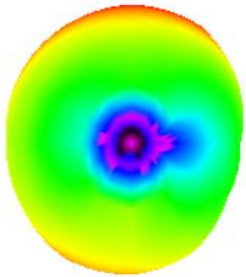
效率与增益

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2300	56.76	-2.46	0.82	-1.33	25.653	31.105	0.82	-17.96	3.28	30	55.12	56.6
2310	51.31	-2.9	0.34	-1.81	23.613	27.7	0.34	-16.01	3.24	30	54.91	56.5
2320	46.74	-3.3	0.07	-2.08	21.376	25.364	0.07	-16.25	3.37	60	54.8	56.13
2330	50.16	-3	0.37	-1.78	23.66	26.5	0.37	-15.15	3.36	60	55.05	56.33
2340	60.11	-2.21	0.96	-1.19	29.521	30.593	0.96	-15.06	3.17	30	55.41	57.9
2350	55.14	-2.59	0.69	-1.46	27.248	27.89	0.69	-16.63	3.28	30	55.72	57.75
2360	48.76	-3.12	0.17	-1.98	24.438	24.322	0.17	-18.76	3.29	30	55.95	57.79
2370	46.6	-3.32	0.08	-2.07	23.47	23.128	0.08	-22.25	3.39	30	55.79	57.25
2380	52.43	-2.8	0.83	-1.32	26.394	26.038	0.83	-31.18	3.63	30	55.95	57.45
2390	49.95	-3.01	0.91	-1.24	25.117	24.836	0.91	-25	3.92	30	55.8	57.98
2400	41.39	-3.83	0.12	-2.03	20.854	20.538	0.12	-22.85	3.95	30	55.76	57.21
2410	44.11	-3.55	0.62	-1.53	22.539	21.573	0.62	-23.13	4.17	30	55.83	58.53
2420	46.37	-3.34	0.82	-1.33	23.554	22.813	0.82	-20.2	4.16	30	56.07	58.09
2430	45.57	-3.41	0.75	-1.4	22.764	22.805	0.75	-18.56	4.16	30	56.25	58.05
2440	41.26	-3.84	0.34	-1.81	20.302	20.961	0.34	-19.72	4.19	30	56.61	58.56
2450	41.78	-3.79	0.29	-1.86	19.967	21.814	0.29	-20.19	4.08	30	56.87	58.64
2460	40.19	-3.96	0.11	-2.04	19.389	20.797	0.11	-17.9	4.07	30	56.54	57.97
2470	39.61	-4.02	0.28	-1.87	19.158	20.455	0.28	-18.25	4.3	30	56.17	58.01
2480	36.83	-4.34	-0.15	-2.3	17.397	19.43	-0.15	-17.57	4.19	30	56.4	57.83
2490	34.62	-4.61	-0.57	-2.72	16.347	18.275	-0.57	-19.13	4.04	30	56.48	57.83
2500	36.14	-4.42	-0.58	-2.73	16.656	19.488	-0.58	-17.32	3.84	30	56.61	58.07

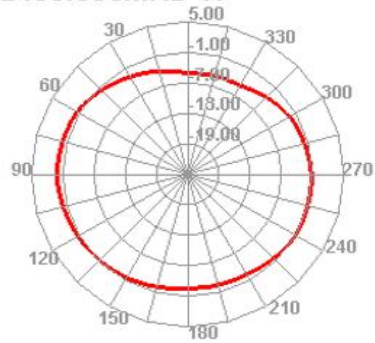


Efficiency and Gain

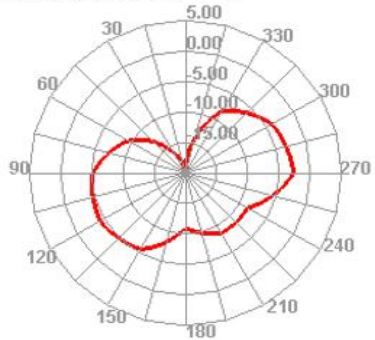
2400.000MHz



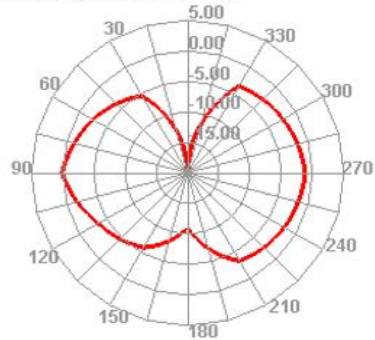
2400.000MHz H



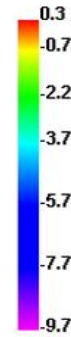
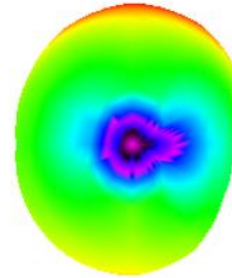
2400.000MHz E1



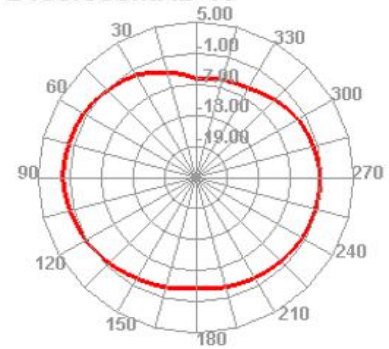
2400.000MHz E2



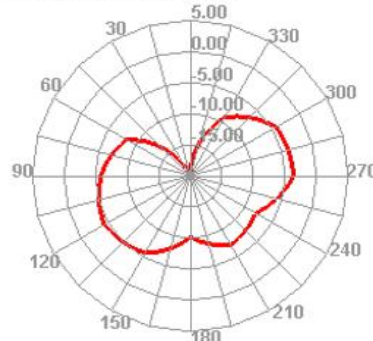
2450.000MHz



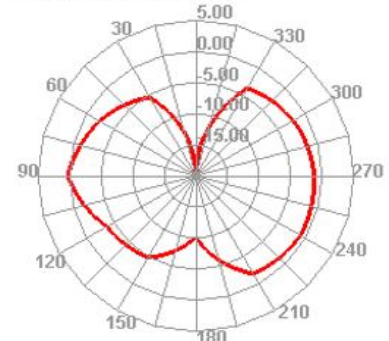
2450.000MHz H



2450.000MHz E1



2450.000MHz E2





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Thanks !

