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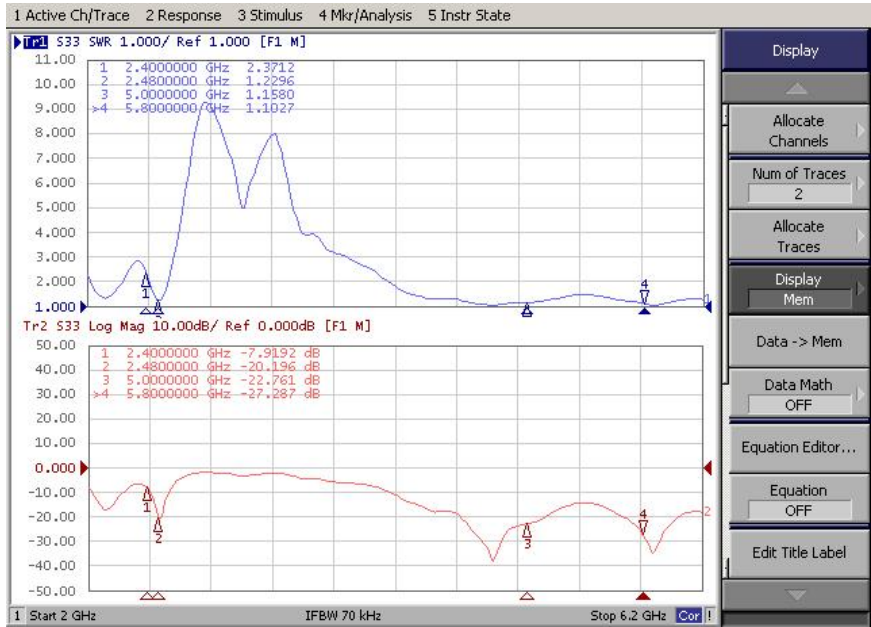
Antenna specification sheet

电性能指标 Electrical Performance Index

电 器 性 能 指 标		Electrical Specifications	
频率范围		2400-2500/5100-5850MHZ	
电压驻波比	≤2.5	VSWR	≤2.5
增益	2.4G: 3.16 dBi 5.8G: 3.98 dBi	GAIN(Max)	2.4G: 3.16 dBi 5.8G: 3.98 dBi
辐射方式	全向	Radiation	OMNI
极化方式	线极化	Polarizatin	LINEAR
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 性 能 指 标		Mechanical Specifications	
接口形式	IPEX-1	Input connector	IPEX-1
天线材质	FPC	Antenna materia	FPC
工作温度	-30℃~+80℃	Working Tempera ture	-30℃~+80℃
型 号	S566	Model	S566

测试报告 Test report

1. 天线驻波图天线效率 Antenna standing wave pattern antenna efficiency



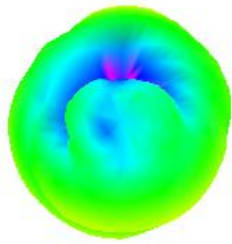
2. 天线效率/Antenna efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	51.89	-2.85	2.13	-0.02
2405	48.23	-3.17	1.75	-0.4
2410	49.1	-3.09	1.7	-0.45
2415	49.48	-3.06	1.74	-0.41
2420	47.2	-3.26	1.64	-0.51
2425	54.3	-2.65	2.3	0.15
2430	51.53	-2.88	2.12	-0.03
2435	54.41	-2.64	2.34	0.19
2440	53.18	-2.74	2.45	0.3
2445	52.17	-2.83	2.55	0.4
2450	50.48	-2.97	2.2	0.05
2455	47.53	-3.23	2.1	-0.05
2460	52.43	-2.8	2.71	0.56
2465	49.74	-3.03	2.58	0.43
2470	54.02	-2.67	2.61	0.46
2475	54.72	-2.62	3.16	1.01
2480	54.33	-2.65	2.88	0.73
2485	56.54	-2.48	3	0.85
2490	52.63	-2.79	2.62	0.47
2495	56.24	-2.5	3.07	0.92
2500	53.72	-2.7	2.8	0.65

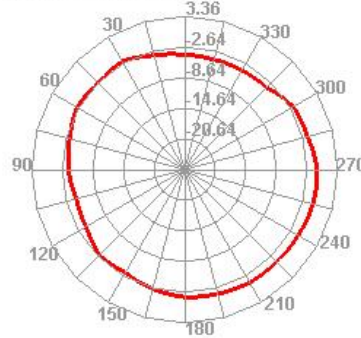
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
5000	65.78	-1.82	3.68	1.53
5050	60.49	-2.18	2.3	0.15
5100	62.19	-2.06	2.93	0.78
5150	60.45	-2.19	2.55	0.4
5200	55.84	-2.53	1.57	-0.58
5250	61.56	-2.11	3.06	0.91
5300	62.25	-2.06	3.53	1.38
5350	66.9	-1.75	2.86	0.71
5400	65.97	-1.81	2.87	0.72
5450	55.9	-2.53	2.8	0.65
5500	49.36	-3.07	2.24	0.09
5550	41.48	-3.82	1.89	-0.26
5600	50.69	-2.95	3.1	0.95
5650	50.16	-3	2.42	0.27
5700	57.83	-2.38	3.39	1.24
5750	56.43	-2.48	3.98	1.83
5800	51.6	-2.87	2.16	0.01
5850	56.85	-2.45	2.35	0.2
5900	49.04	-3.09	2.95	0.8
5950	45.9	-3.38	3.35	1.2
6000	34.06	-4.68	0.62	-1.53

3. 天线方向图/ Antenna Pattern

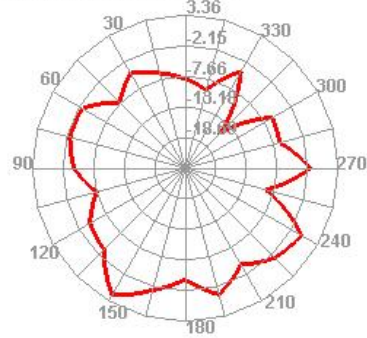
2400.000MHz



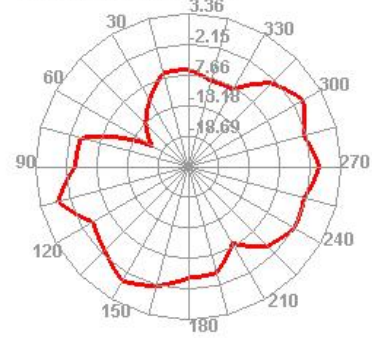
2400.000MHz H



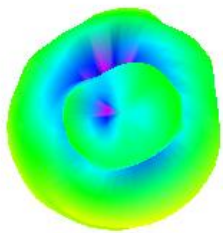
2400.000MHz E1



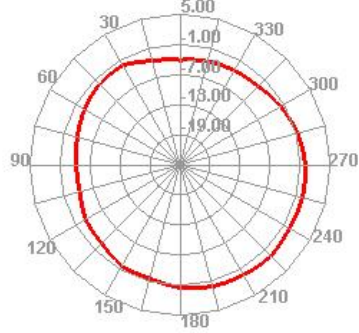
2400.000MHz E2



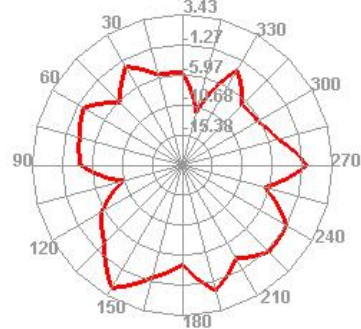
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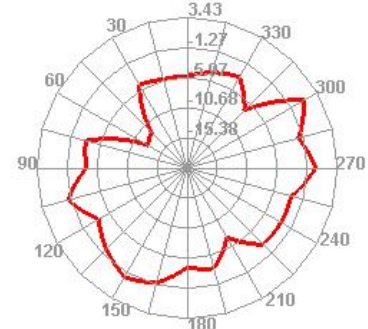
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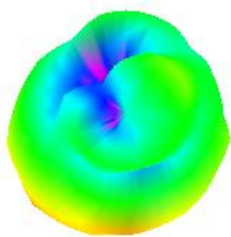
2450.000MHz E1



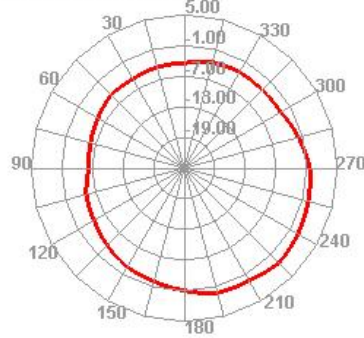
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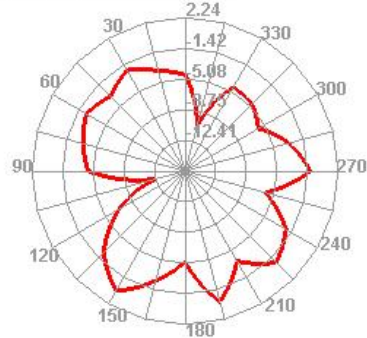
2500.000MHz



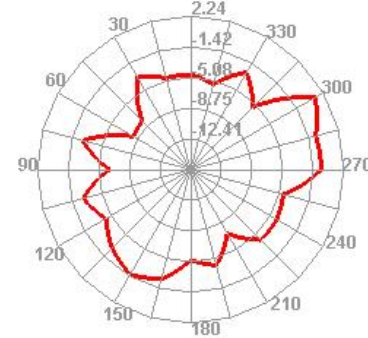
2500.000MHz H



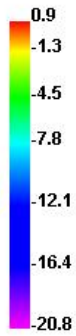
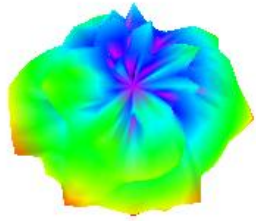
2500.000MHz E1



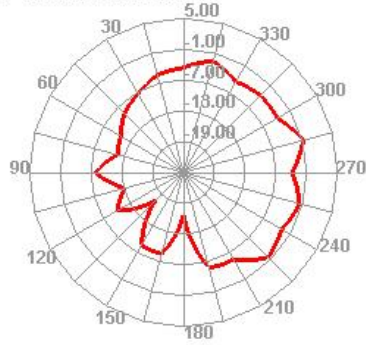
2500.000MHz E2



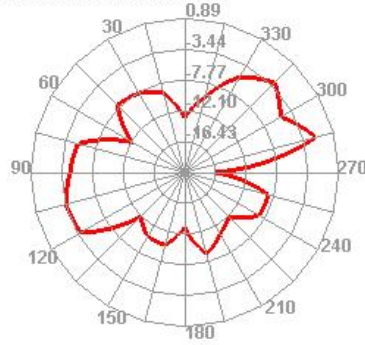
5150.000MHz



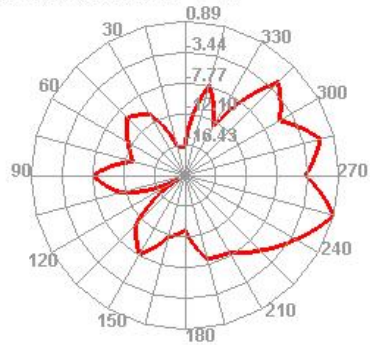
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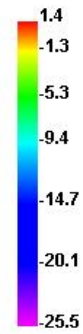
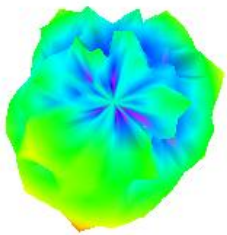
5150.000MHz E1



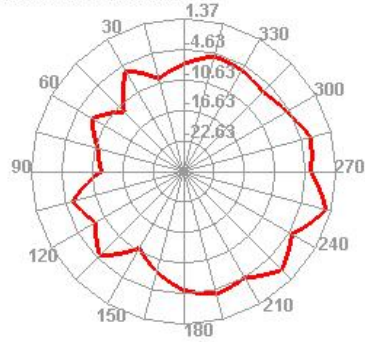
5150.000MHz E2



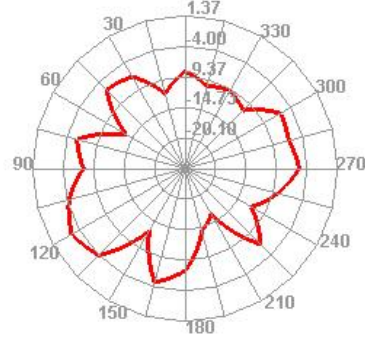
5450.000MHz



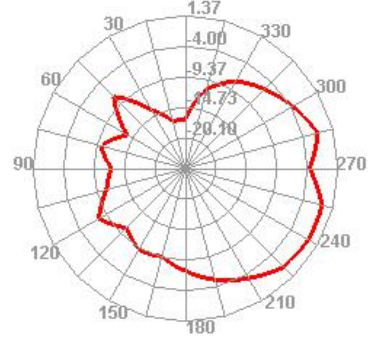
5450.000MHz H



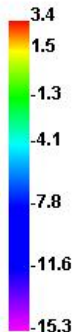
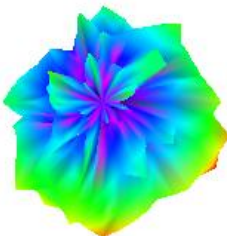
5450.000MHz E1



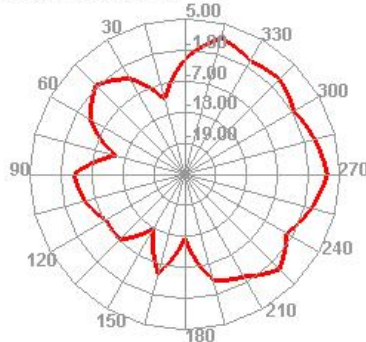
5450.000MHz E2



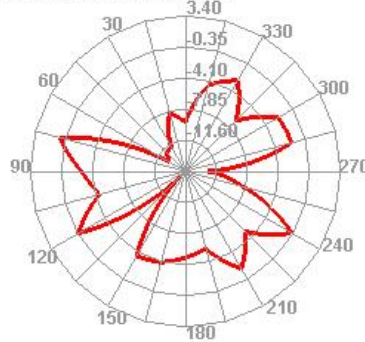
5850.000MHz



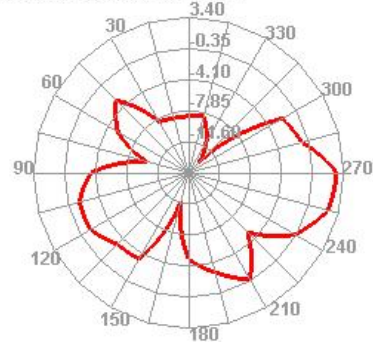
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



测试设备及原理 Testing Equipment and Principle

1. 测试设备:

网络分析仪 Network Analyzers :

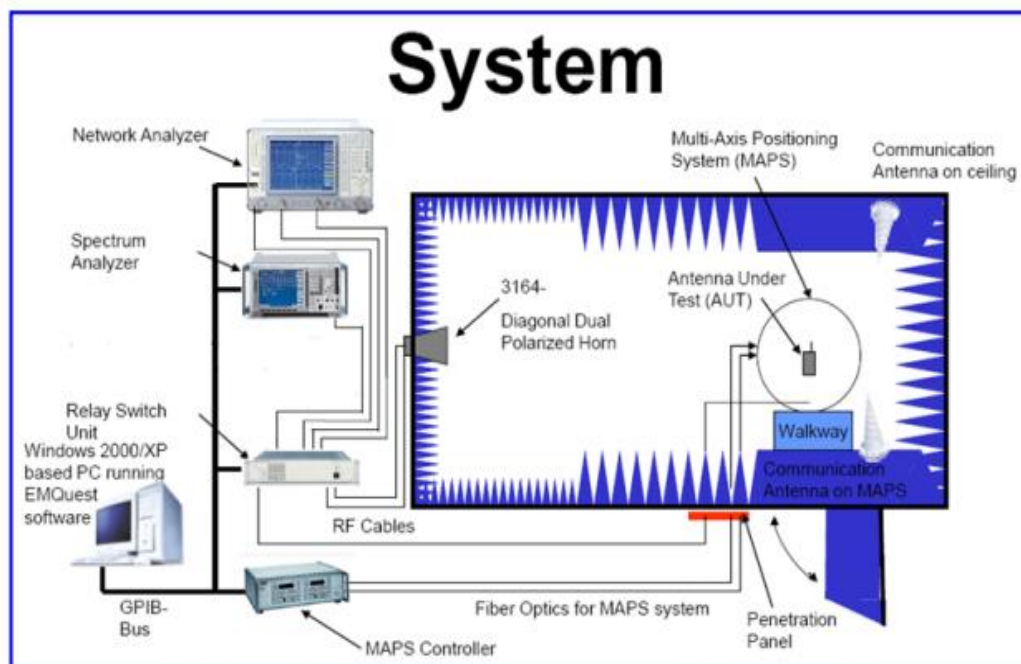
Agilent 8753D 5071B

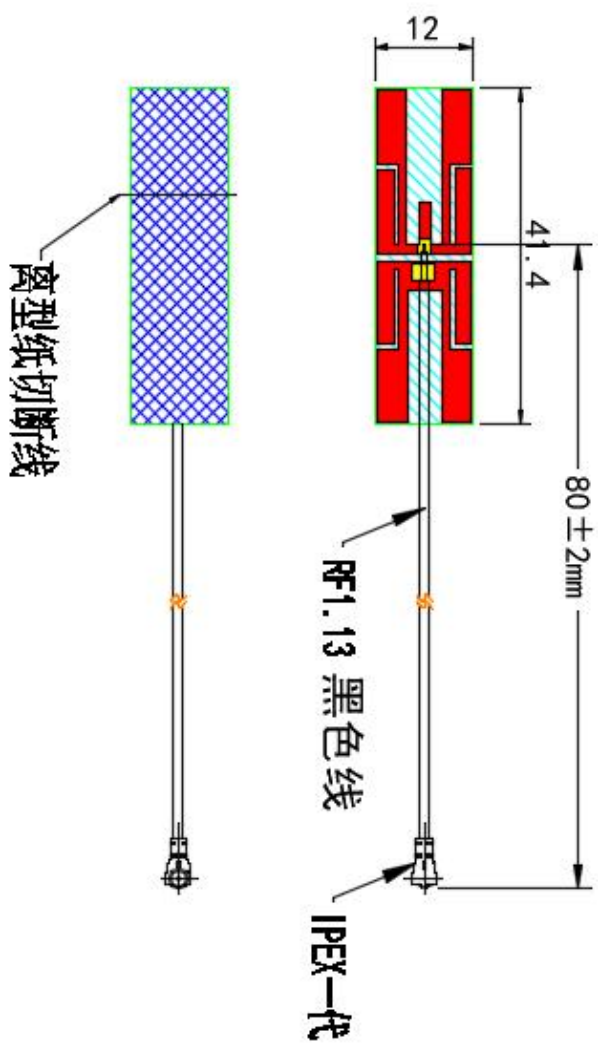
综合测试仪 Communications Test Set:

Agilent E5515C/CMW500

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理:





截图(Alt + A)

深圳市一和天下有限公司

第三角法		机种	品名	材料	规格	数量	单位	比例	1:1
0~10	±0.10	○	φ0.02	斜号	2.45/5.85内管天線	代碼	結構	材料	数量
10~20	±0.12	◎	φ0.03	材料	-	審核	結構	材料	数量
20~40	±0.15	上	φ0.02	材料	PI	審核	結構	材料	数量
40~	±0.20	▽	φ0.04	材料		審核	結構	材料	数量
位置	共1頁	第1頁	外殼位置			單位	比例	1:1	
5		6		7					