

深圳市云顶通讯电子有限公司

Shenzhen Genting Communication Electronics Co., LTD

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E-mail:wht0809@163.com

承認書 APPROVAL

客 户
:

玥芯通

品 名 规 格
DESCRIPTION:

DIFA50C-WIFI2.4/5G

料 号
PART NO.:

客 户 料 号
CUS PART NO.:

004.06.006.0099

日 期
D A T E:

2024.5.16

云顶呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
吴淑仪	刘丽	王洪涛

客户承认签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

联系电话: 0755 23073599 150 1794 1162

※ 承认书一式三份, 惠蒙贵司承认签章

※ Approval in duplicate, please signed by your company.

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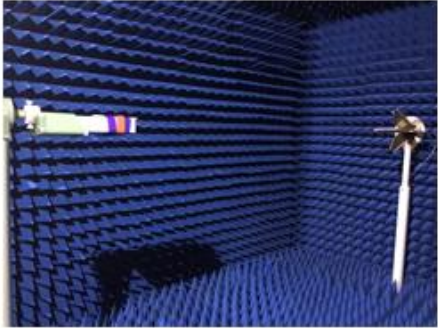
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1.测试项目与设备

	测试项目	设备
1. S11 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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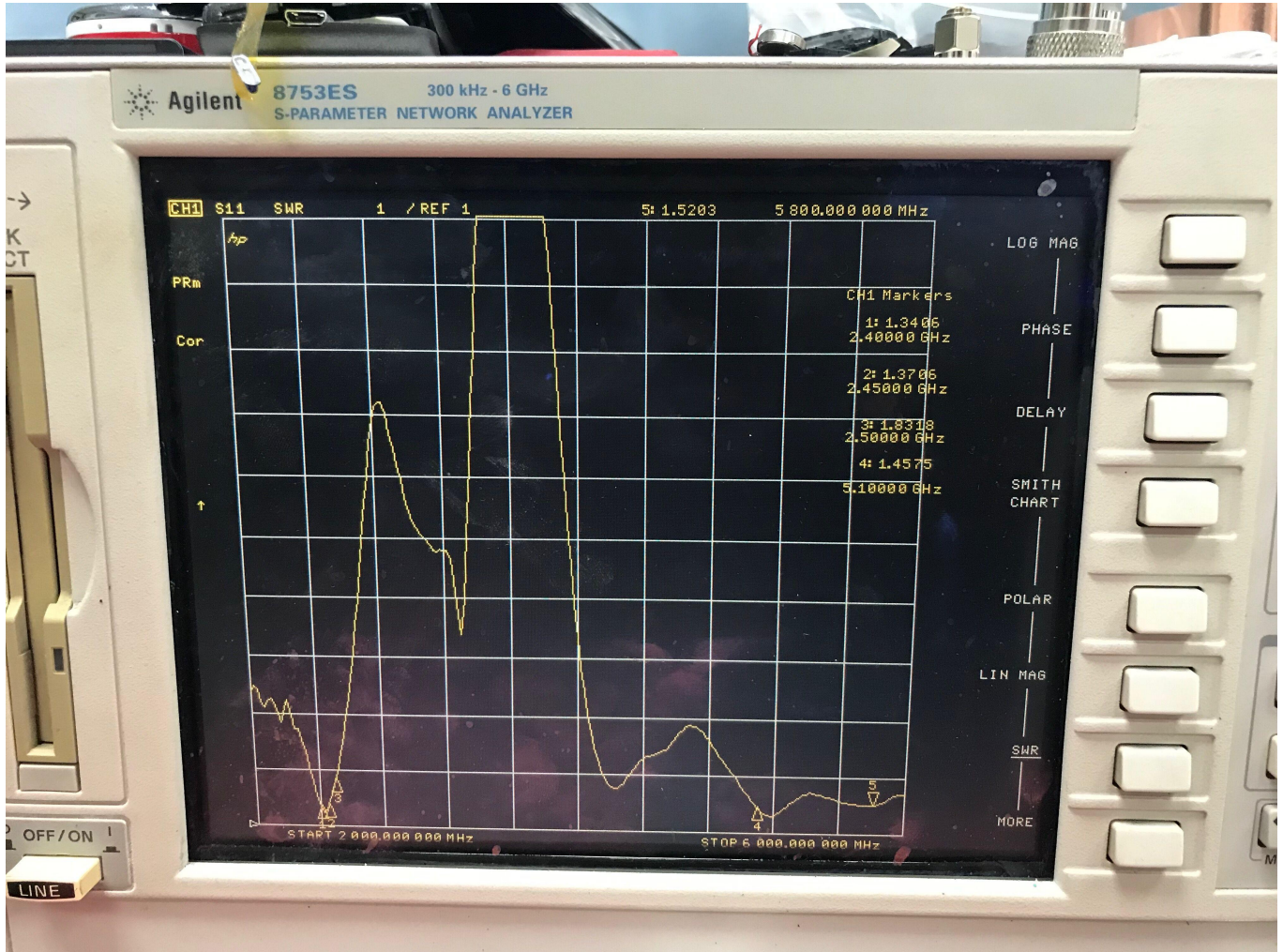
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2. 天线性能

SWR



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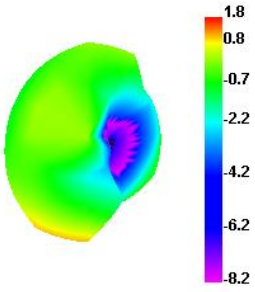
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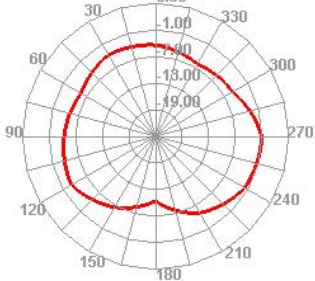
2.天线效率与增益

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	57.88	1.8
2410	59.65	1.79
2420	57.77	1.64
2430	59.45	1.72
2440	63.92	1.97
2450	68.91	2.08
2460	69.71	2.04
2470	70.54	1.92
2480	72.32	2.09
2490	74.63	2.24
2500	72.28	2.19

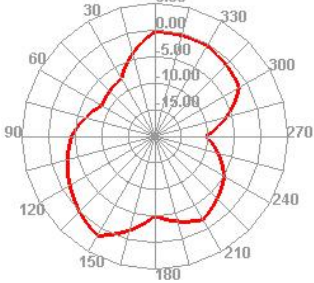
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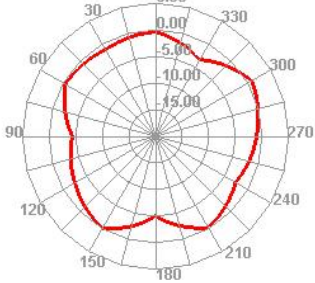
2400.000MHz H



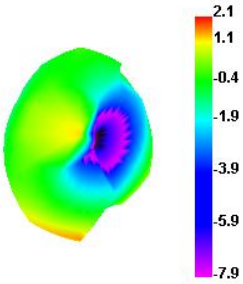
2400.000MHz E1



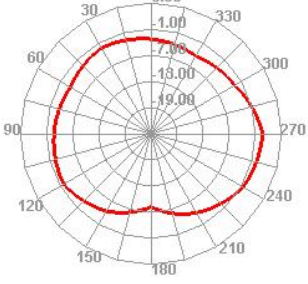
2400.000MHz E2



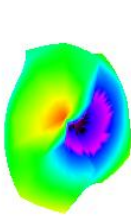
2450.000MHz



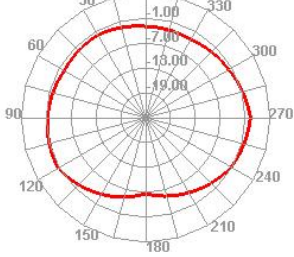
2450.000MHz H



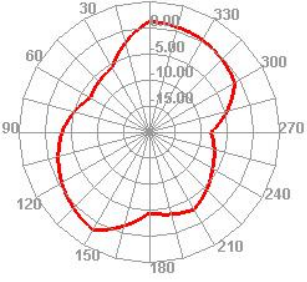
2500.000MHz



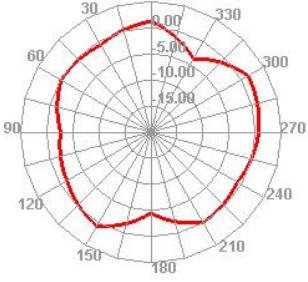
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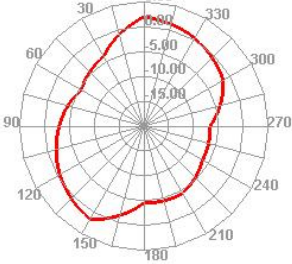
2450.000MHz E1



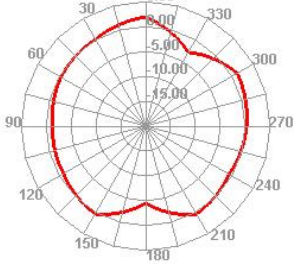
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



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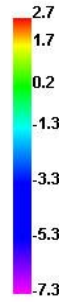
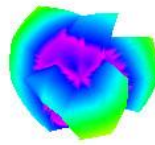
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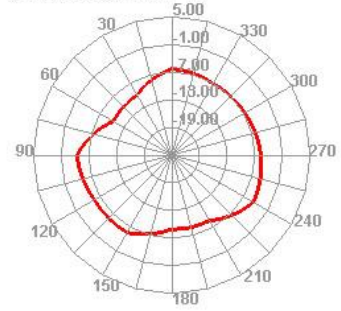
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Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5100	49.03	2.66
5200	49.26	2.98
5300	47.78	2.84
5400	51.64	3.16
5500	38.14	2.17
5600	38.53	2.09
5700	47.42	2.08
5800	56.51	2.1

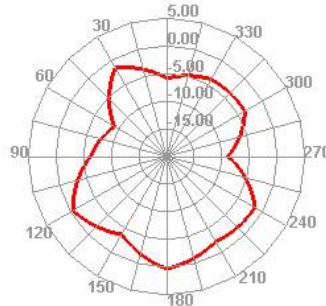
5100.000MHz



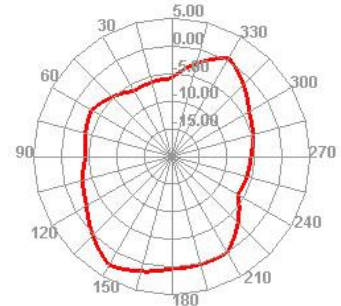
5100.000MHz H



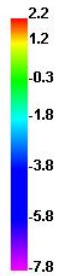
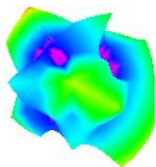
5100.000MHz E1



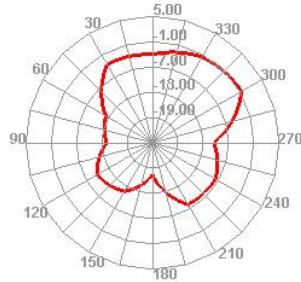
5100.000MHz E2



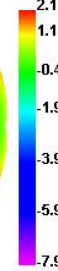
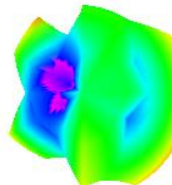
5500.000MHz



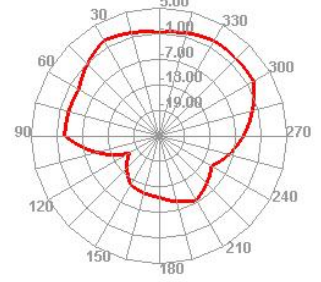
5500.000MHz H



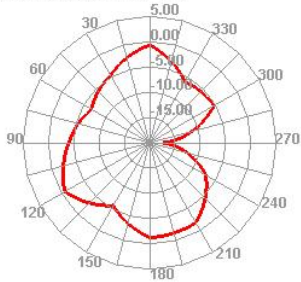
5800.000MHz



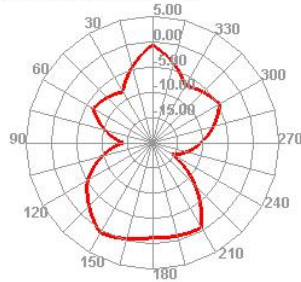
5800.000MHz H



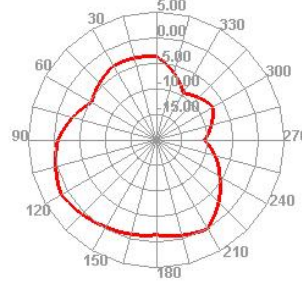
5500.000MHz E1



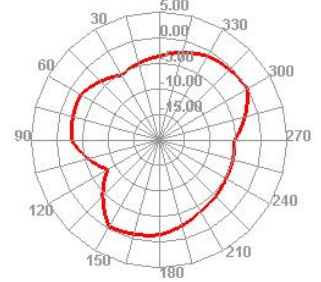
5500.000MHz E2



5800.000MHz E1



5800.000MHz E2



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3.天线 OTA 测试数据

Test Result	Wifi 2G TRP			Test Result	Wifi 2G TIS
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	12.88	13.09	13.08	Sens Ave(dBm)	-80.79
NHPRP(dBm)	NULL	NULL	NULL	NHPIS(dBm)	NULL
MAX(dBm)	17.57	17.82	18.46	RSSIAve	13.54
EIRP peak	17.57	17.82	18.46	MaxPosRSSI	18.28
Min(dBm)	6.9	6.51	6.84	MaxPosSens	-84.53
Attenuation Horiz	14.38	14.18	15.19	MAX(dBm)	18.9
Attenuation Vertic	14.28	14.09	14.82	EIS peak	18.9
				Min(dBm)	7.32
				Attenuation Horiz	15.63
				Attenuation Vertic	15.32

Test Result	Wifi 5G TRP			Test Result	Wifi 5G TIS
	36	64	161		
Frequency (MHz)	5180	5320	5805	Frequency (MHz)	5805
Txp Ave(dBm)	15.91	16.1	16.11	Sens Ave(dBm)	-68.86
NHPRP(dBm)	NULL	NULL	NULL	NHPIS(dBm)	NULL
MAX(dBm)	18.95	19.16	19.24	RSSIAve	18.07
EIRP peak	18.95	19.16	19.24	MaxPosRSSI	19.17
Min(dBm)	8.63	12.88	11.12	MaxPosSens	-69.96
Attenuation Horiz	22.86	23.43	23.12	MAX(dBm)	21.23
Attenuation Vertic	22.58	22.88	23.29	EIS peak	21.23
				Min(dBm)	10.11
				Attenuation Horiz	23.06
				Attenuation Vertic	22.19

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4. 天线产品图:

