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承認書 APPROVAL

客户

Client:

美莱科

品 名 规 格

DESCRIPTION:

GS01-WIFI-1.13-L150MM/200MM-IPEX 一代

料 号

PART NO.:

客 户 料 号

CUS PART NO.:

日 期

D A T E:

2023. 9. 27

云顶呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
章生兵	刘丽	银帅

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

※ 承认书一式三份, 惠蒙贵司承认签章

※ Approval in duplicate, please signed by your company.

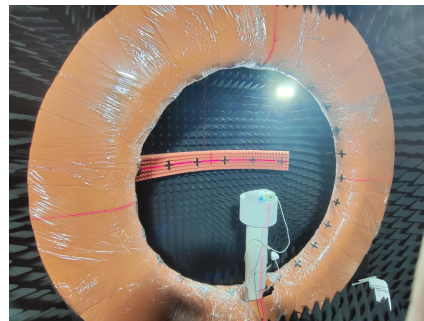
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1.Test items and the equipment

	Test items	equipment
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

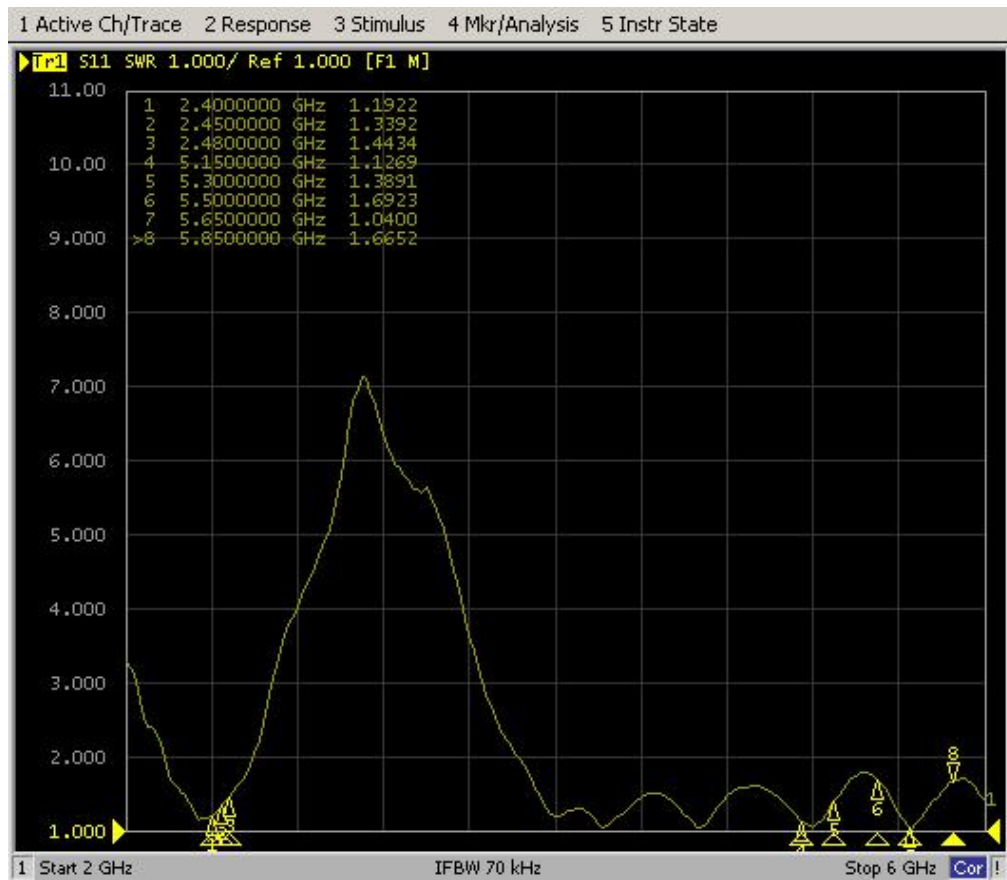


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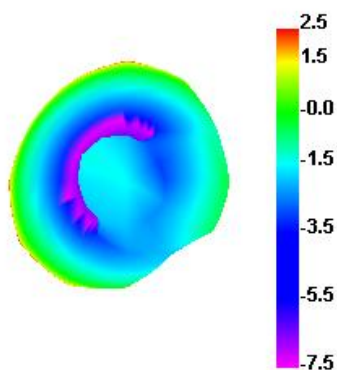
2. Antenna performance-SWR



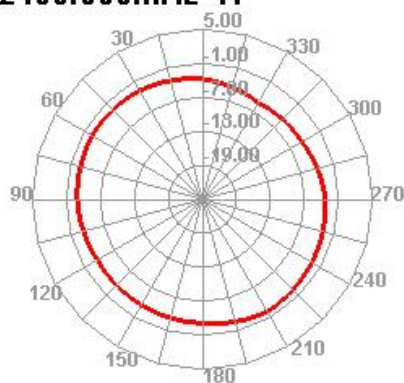
天线效率与增益

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.06	-2.92	2.45
2410	50.29	-2.99	2.31
2420	47.2	-3.26	1.97
2430	47.77	-3.21	1.96
2440	50.99	-2.92	2.22
2450	54.84	-2.61	2.48
2460	55.25	-2.58	2.38
2470	57.7	-2.39	2.39
2480	58.13	-2.36	2.28
2490	60.82	-2.16	2.34
2500	61.59	-2.11	2.28

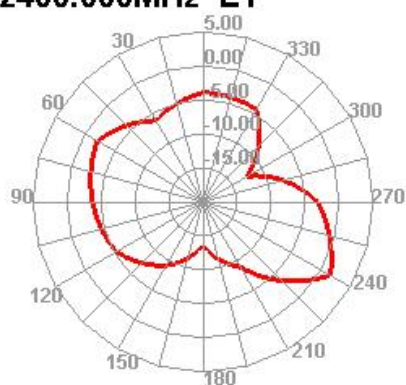
2400.000MHz



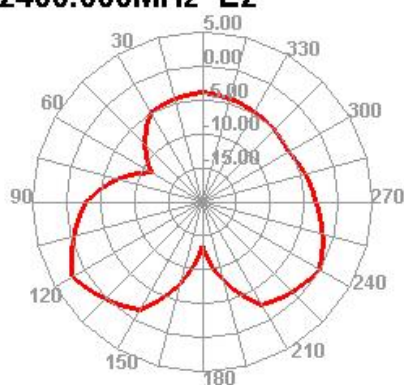
2400.000MHz H



2400.000MHz E1



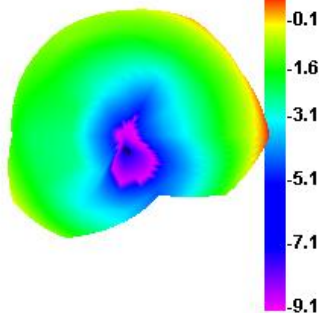
2400.000MHz E2



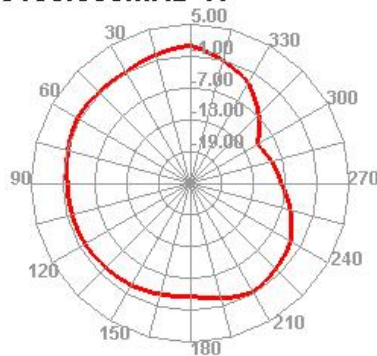
Passive Test For WIFI5.8

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	34.49	-4.62	0.94
5200	38.84	-4.11	1.23
5250	44.68	-3.5	1.64
5300	47.79	-3.21	1.76
5350	53.2	-2.74	2.8
5400	63.38	-1.98	2.89
5450	62.21	-2.06	2.35
5500	58.55	-2.33	2.26
5550	54.91	-2.6	2
5600	51.37	-2.89	2.03
5650	57.95	-2.37	2.15
5700	62.99	-2.01	2.77
5750	64.86	-1.88	2.48
5800	60.63	-2.17	2.54

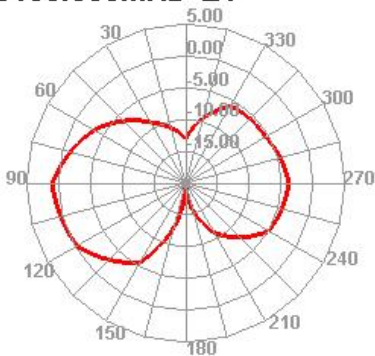
5150.000MHz



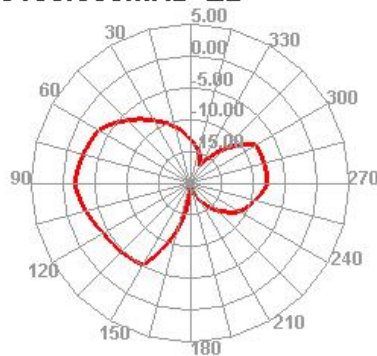
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



4. Antenna structure diagram:

