

承認書

APPROVAL

品名规格
DESCRIPTION:

料号
PART NO.: YD-2.4/5GHZ

客户料号
CUS PART NO.:

日期
DATE: 2024. 3. 30

云顶呈样签章

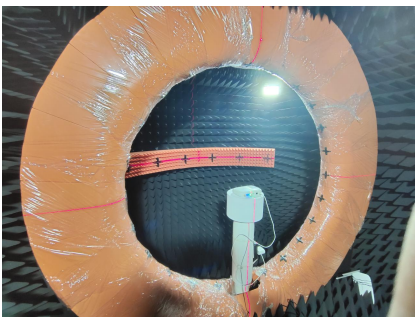
工程 ENGINEERING DEPARTMENT	品保 Q C DEPARTMENT	业务 SALES DEPARTMENT

客户承认签章

工程 ENGINEERING DEPARTMENT	品保 Q C DEPARTMENT	采购 PURCHASING DEPARTMENT

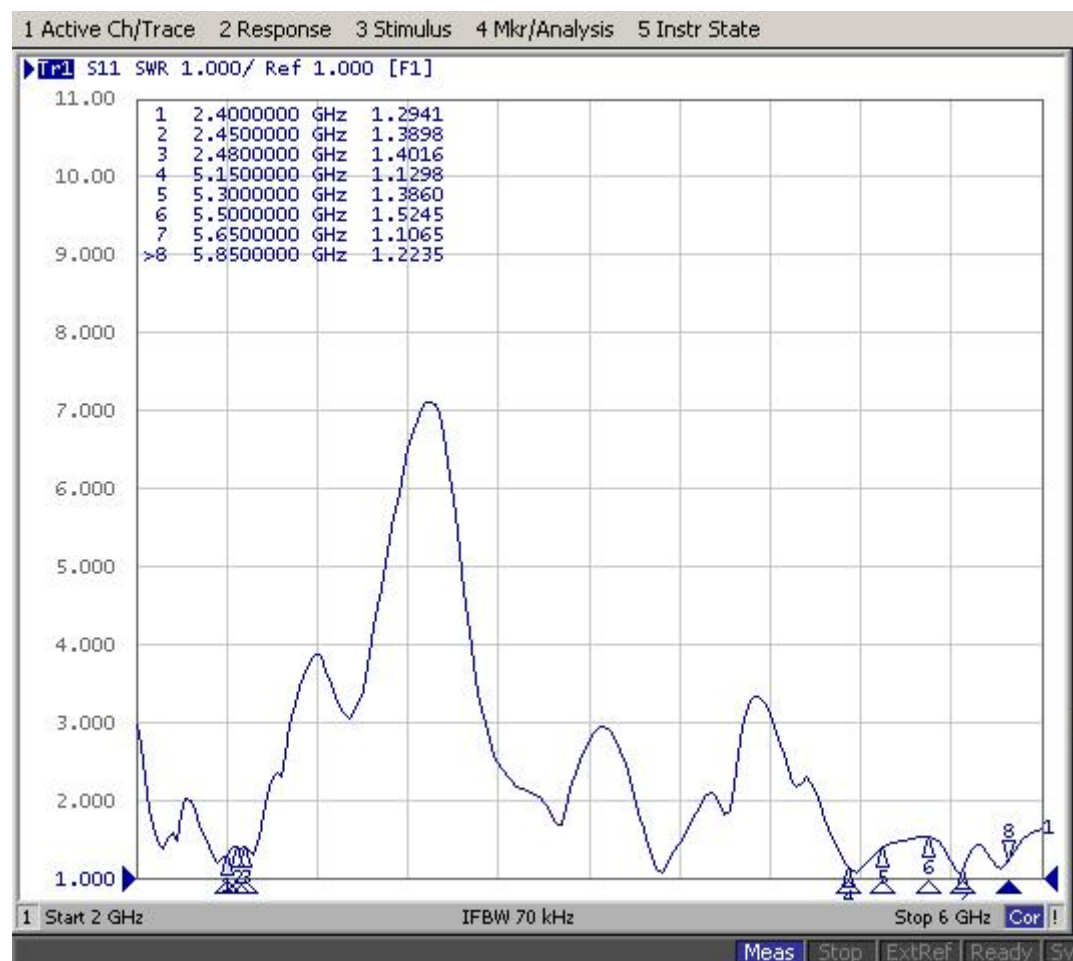
1.Test items and equipment

	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 Cmw500
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



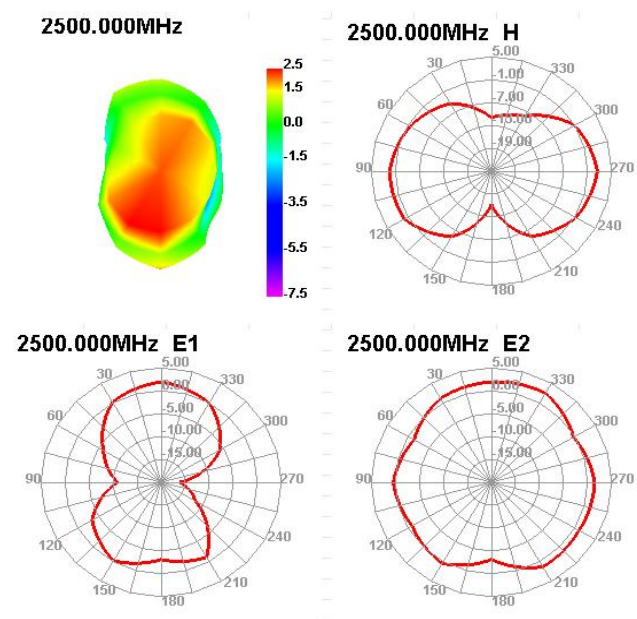
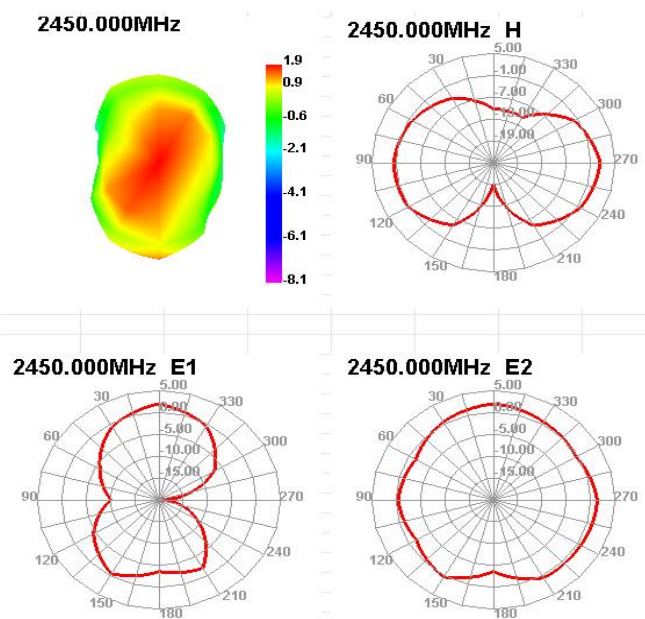
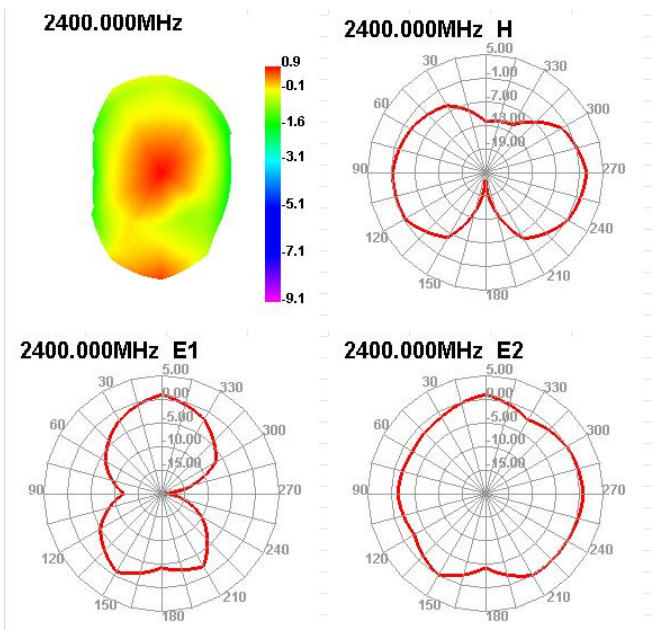
2. Antenna performance

SWR



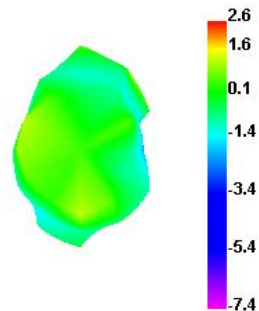
3. Antenna efficiency and gain

Freq. (MHz)	TRP (dBm)	Gain (dBi)
2400.0	2400.00	2.99
2410.0	2410.00	3.15
2420.0	2420.00	3.09
2430.0	2430.00	2.53
2440.0	2440.00	2.29
2450.0	2450.00	1.94
2460.0	2460.00	1.86
2470.0	2470.00	2.12
2480.0	2480.00	2.31
2490.0	2490.00	2.20
2500.0	2500.00	2.09

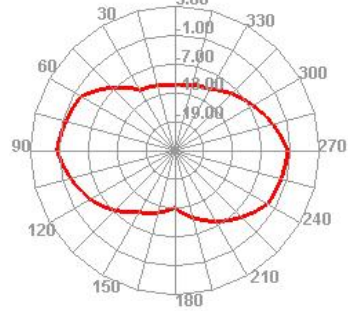


Freq. (MHz)	TRP (dBm)	Gain (dBi)
5100.0	5100.00	1.76
5150.0	5150.00	2.26
5200.0	5200.00	2.22
5250.0	5250.00	3.28
5300.0	5300.00	3.49
5350.0	5350.00	4.26
5400.0	5400.00	4.27
5450.0	5450.00	3.99
5500.0	5500.00	4.93
5550.0	5550.00	2.48
5600.0	5600.00	0.53
5650.0	5650.00	1.86
5700.0	5700.00	2.15
5750.0	5750.00	4.12
5800.0	5800.00	5.15
5850.0	5850.00	5.44
5900.0	5900.00	4.99

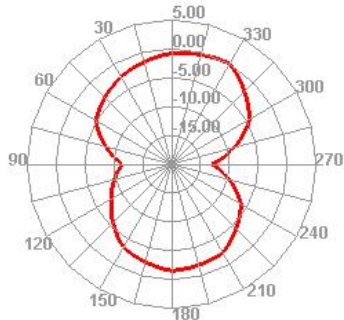
5150.000MHz



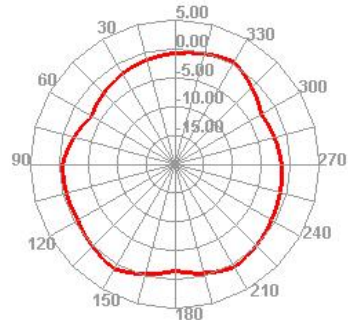
5150.000MHz H



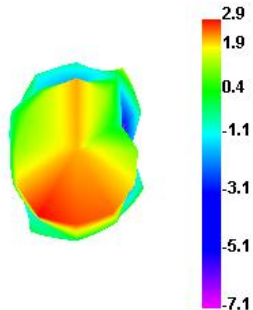
5150.000MHz E1



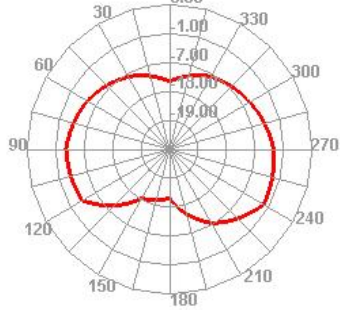
5150.000MHz E2



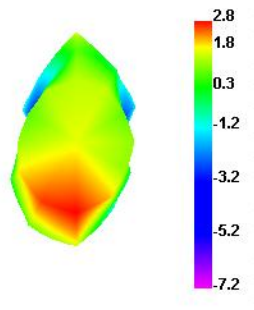
5500.000MHz



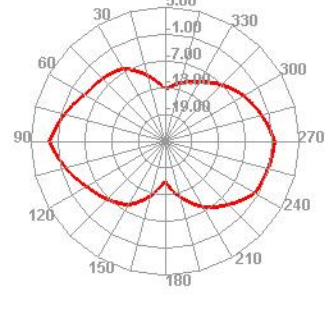
5500.000MHz H



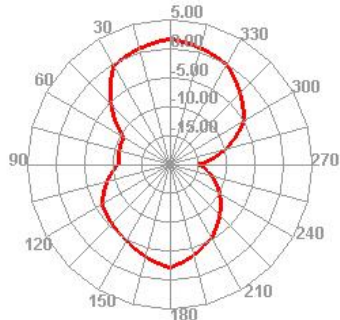
5850.000MHz



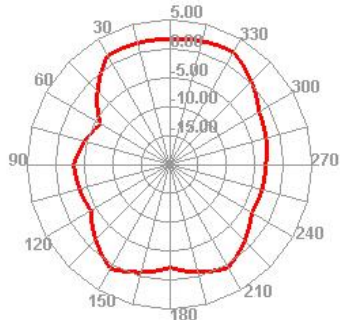
5850.000MHz H



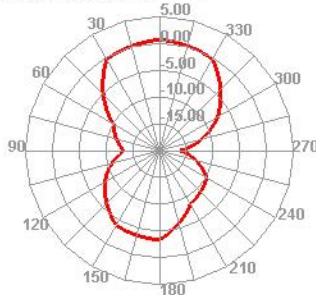
5500.000MHz E1



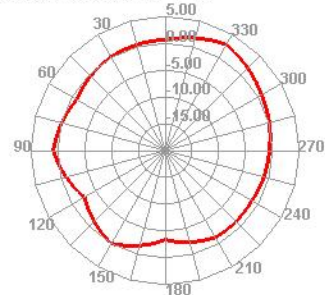
5500.000MHz E2



5850.000MHz E1



5850.000MHz E2



A

B

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D

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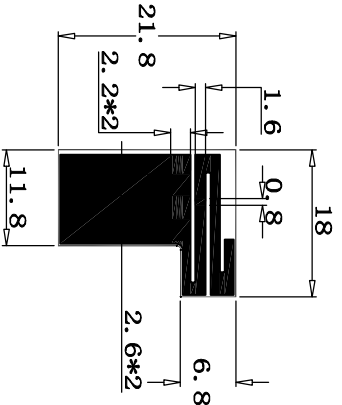
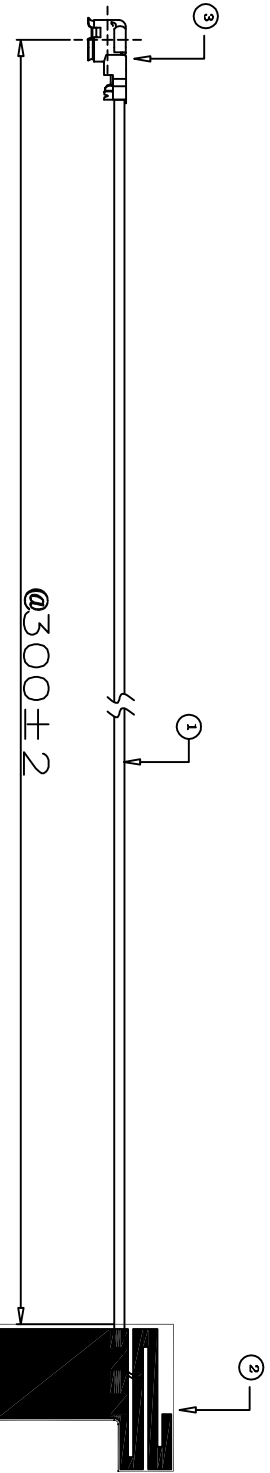
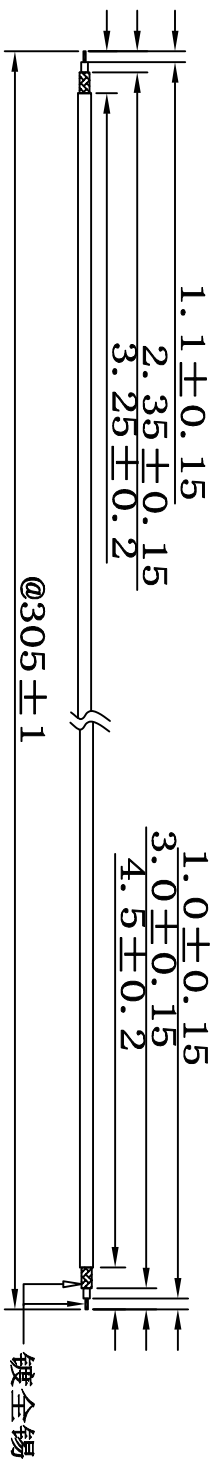
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END PRODUCT DRAWING 成品图

ION	ECN NO.
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NAME _____

RoHS Compliant



1. 材料无损伤
2. 成品须100%测试号通OK
3. 成品须100%全检OK
4. 采用环保制程,成品 符合ROHS要求
5. 标注部分为重点管控尺寸。

⑥						用法					产品名称 (PRODUCT NAME)				
⑤						IPEX-FPC天线-113芯-1.60MM (2.4G)									
④	1801-0013	260*100*0.4 (白边骨线) 打孔	1/100	PE线		公 差		产品料号 (PRODUCT NO)		单位 (UNIT)	M M	比例 (SIZE)	FREE		
③	1113-0004	20278-112R-13-插头	1	IPEX				3020-2420		页数 (PAGE)	1 OF 1	幅面 (FORMAT)	A4		
②	1801-0018	基材 单面有胶压延铜 21.75*18.0*1.1.75*6.75mm	1	PDF				设计 (D S)		罗 成					
①	1301-0011	1.13黑-48-铜-FPC	1	线材			审核 (CHK)								
No.	PART No.	Description	Qty	Name			核准 (APP)				深圳市扬程电子有限公司				