

承認書

APPROVAL

客 户 :

品 名 规 格
DESCRIPTION:

SC-28-0.81-L50-IPEX 一代

料 号
PART NO.:

客 户 料 号
CUS PART NO.:

日 期
D A T E:

2025-3-18

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

联系电话:

※ 承认书一式三份，惠蒙贵司承认签章

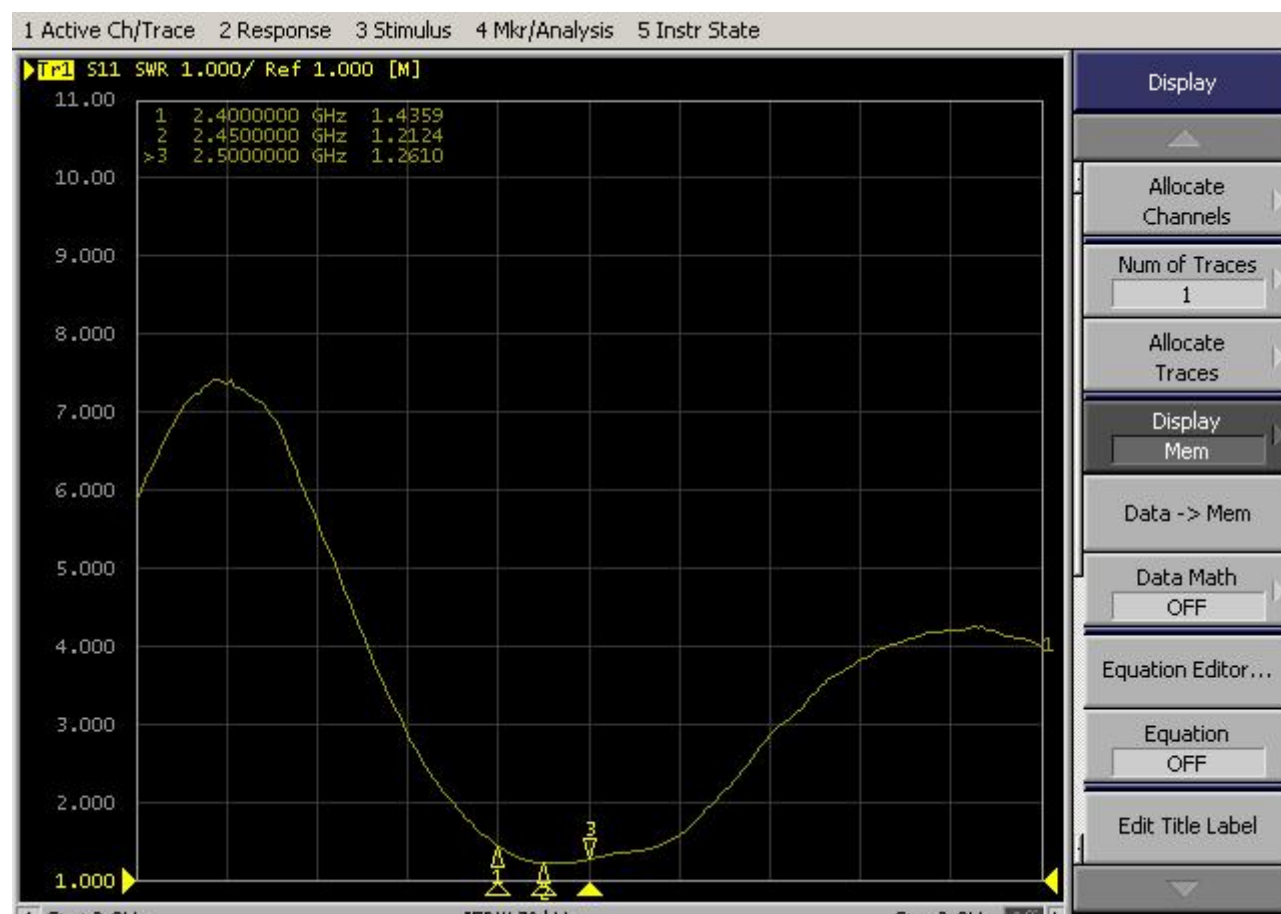
※ Approval in duplicate, please signed by your company.

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
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



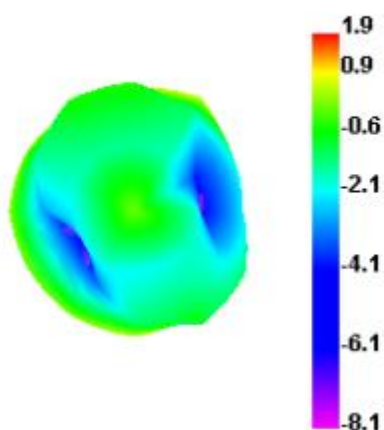
2. Antenna performance



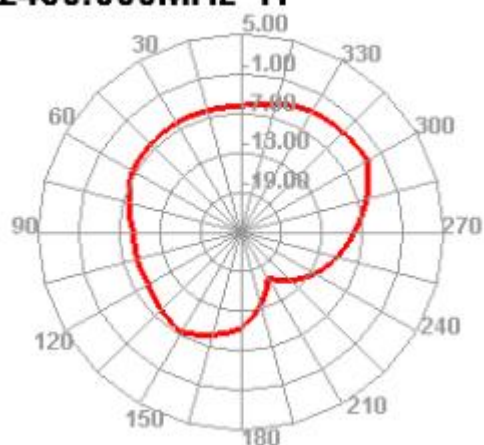
3. Antenna efficiency and gain:

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	44.93	1.95
2410	44.09	1.79
2420	40.31	1.43
2430	40.26	1.36
2440	42.99	1.6
2450	46.49	1.89
2460	45.39	1.62
2470	48.07	1.77
2480	49.25	1.73
2490	52.8	1.81
2500	53.65	1.84

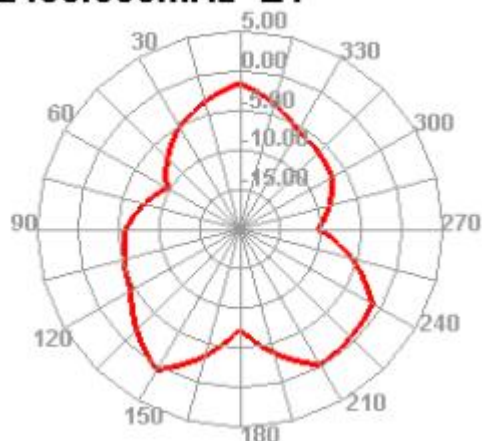
2450.000MHz



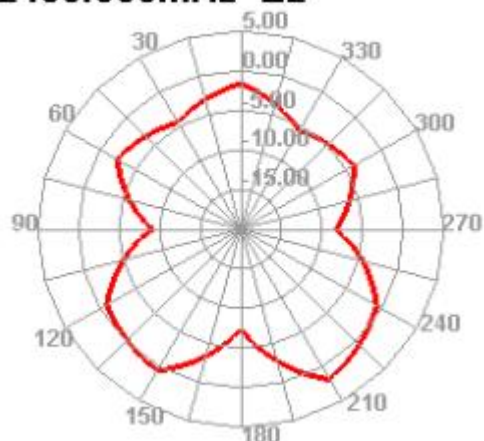
2450.000MHz H



2450.000MHz E1



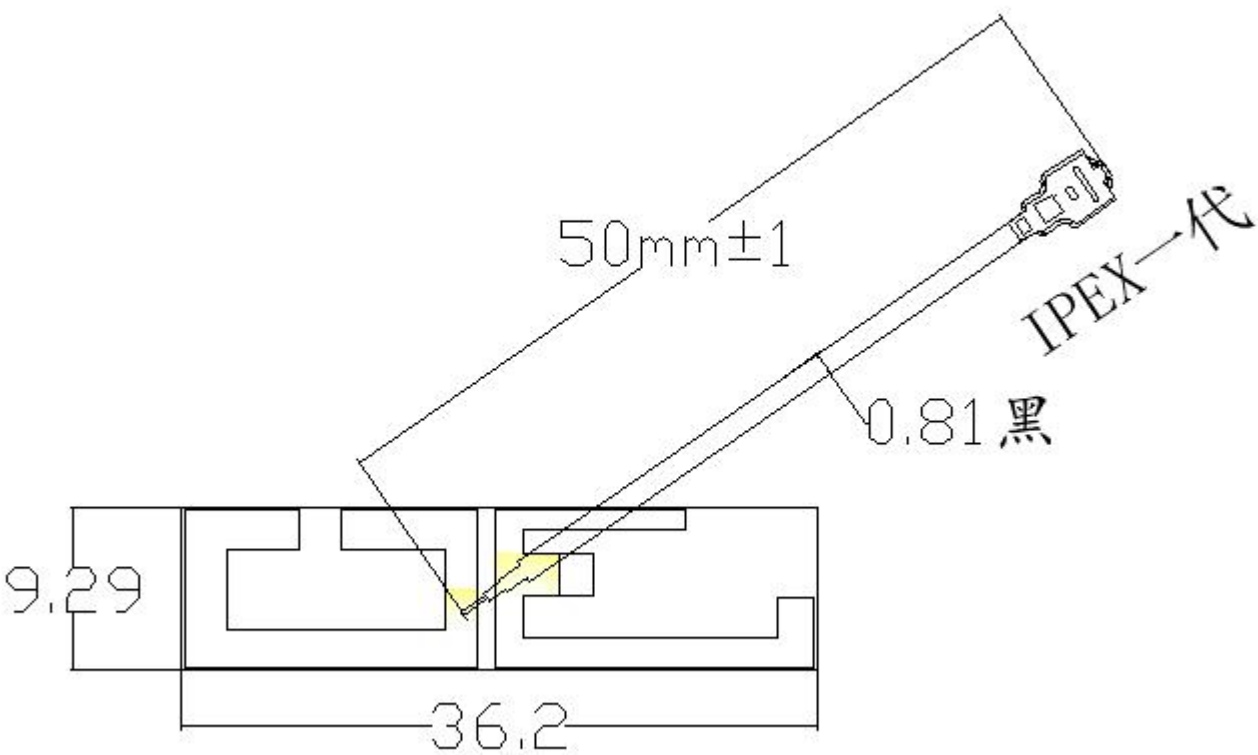
2450.000MHz E2



4.Antenna transmit power and receive sensitivity:

Test Result	Wifi 2G TRP		
	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	14.73	15.58	15.22
Test Result	ifi 2G TIS		
	11		
Frequency (MHz)	2462		
Sens Ave(dBm)	-81.9		

5.Antenna structure diagram:



Technical parameters of electrical

电 性 能 指 标		Electrical Specifications	
频率范围	2400~2500MHz	Frequency Range	2400~2500MHz
电压驻波比	≤2.0	VSWR	≤2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
增益	2DBI	Gain	2DBI
辐射方向	全向	Radiation direction	omnidirectional
机 械 指 标		Mechanical Specifications	
线材颜色	黑色	Antenna Color	Black
接口形式	IPEX	Input connector	IPEX
天线线长	50mm	Cable length	50mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%