

产品规格书
Product Specification

产品名称 Product Number	PCB Internal antenna	编号 Serial Number	2021041601
产品型号 Product Type	AP477-2.4-11185-1.13	版本号 Version Number	1.0
		物料编码 Material Number	

变更履历表
Description Record

序号 NO:	版本号 Version number	更改前描述 Description Before Modification	更改后描述 Description After Modification	日期 Date
1	1.0	Initial new creation		2021.04.16

备注:

Manufacture's Name: MIHRAB LLC
Address: 30 N Gould St STE R, Sheridan, WY 82801, USA

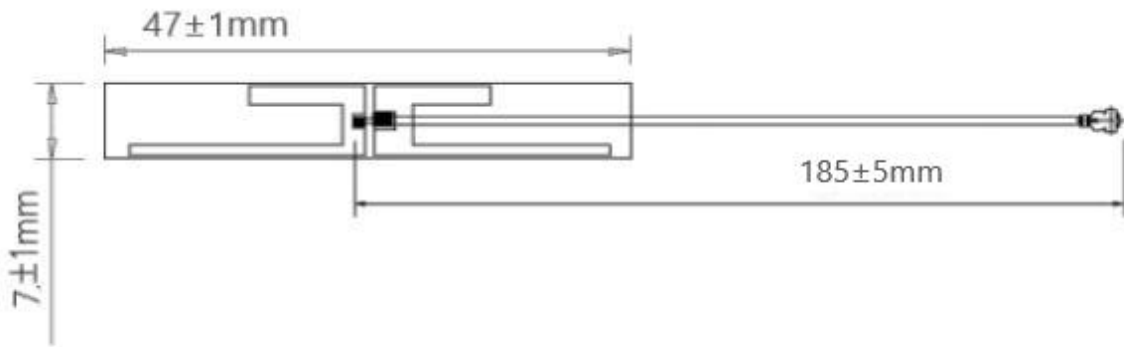
一、 产品介绍: Product Introduction

- 外观 精美 Exquisite appearance
- 体积小 Small in size
- 全天候工作 Work around the clock
- 低驻波、抗干扰 Low standing wave, anti-interference

二、 天线技术参数: Antenna technical parameters

Design Specifications	Typical
天线形式	PCB Internal antenna
工作频率(Working Frequency)	2400-2500
增益 (Gain)	>1.0dBi
天线效率 (Antenna efficiency)	40%
电压驻波比 (VSWR)	≤ 2.0
极化方式(Polarization)	垂直Vertical
辐射方向(Radiation pattern)	全向Omnidirectional
馈电阻抗(Impedance)	50 Ω
功率容量(Power Capacity)	3W
天线接口(Interface)	IPEX I代
天线尺寸(Overall dimensions)	47*7mm
重量(Weight)	$\leq 10g$
工作温度(Operatin Temp)	-40°C~80°C
储存温度(Storing Temp)	-45°C~85°C

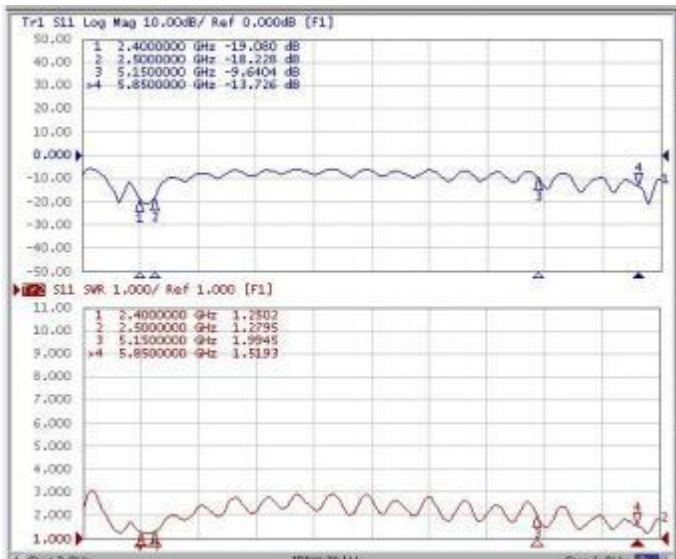
三、产品结构图纸(mm) : Product structure drawing (mm)



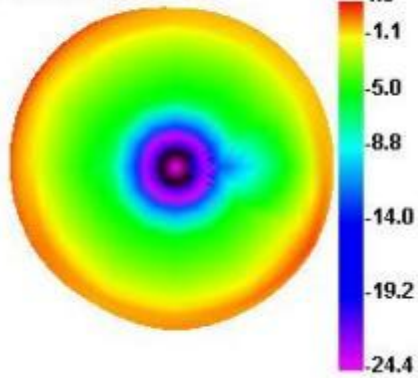
四、增益效率测试数据 Gain efficiency test data

Passive Test For 2400-2500		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.28	1.51
2410	57.11	1.82
2420	55.78	1.68
2430	58.01	1.7
2440	62.23	1.01
2450	67.64	1.27
2460	67.18	1.29
2470	63.67	1.08
2480	65.93	1.28
2490	67.39	1.51
2500	64.38	1.23

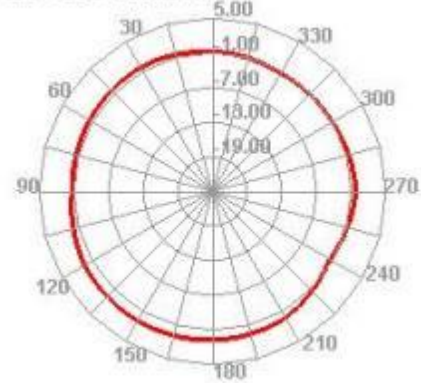
五、驻波比测试图 Standing wave ratio test diagram



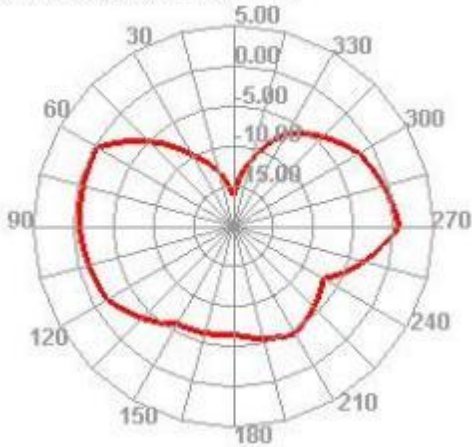
2400.000MHz



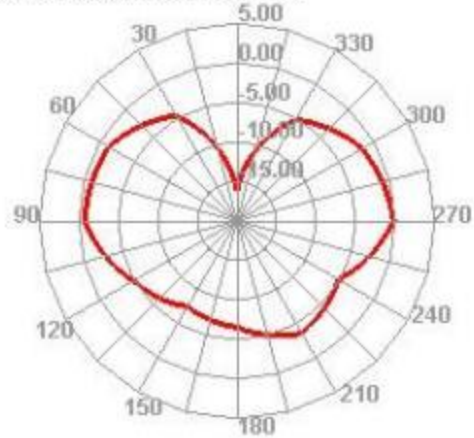
2400.000MHz H



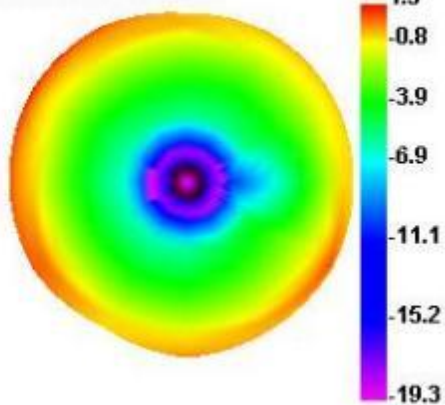
2400.000MHz E1



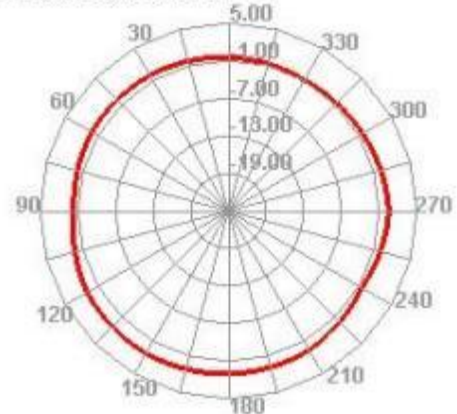
2400.000MHz E2

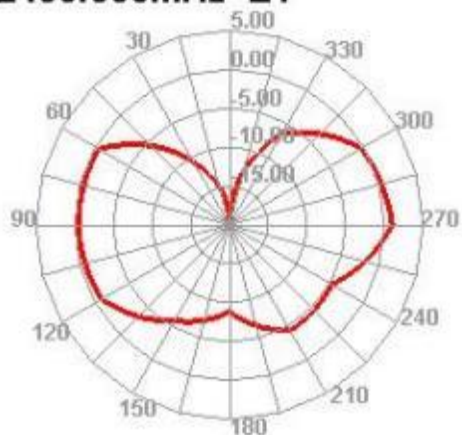
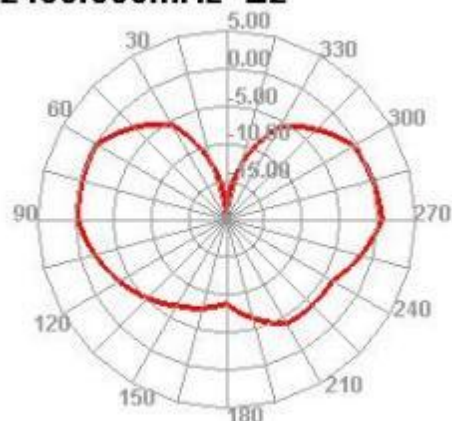
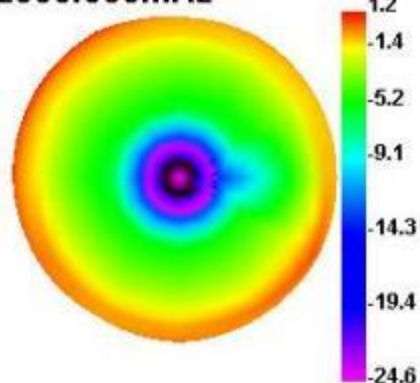
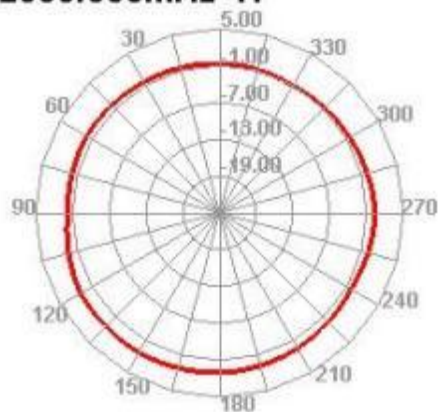
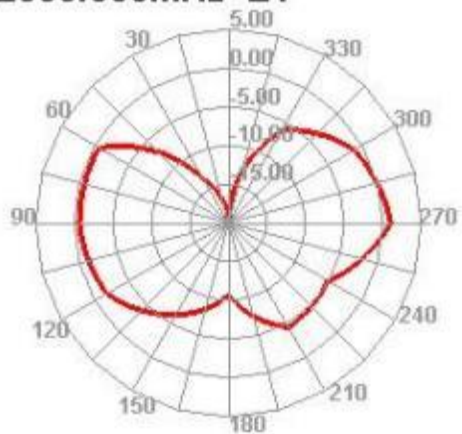


2450.000MHz



2450.000MHz H



2450.000MHz E1**2450.000MHz E2****2500.000MHz****2500.000MHz H****2500.000MHz E1****2500.000MHz E2**