

Deyuan Technology (Shenzhen) Co., LTD

Product Specification

Product Number	2. 4G&PCB	Serial Number	2023090702
Product Type	AP477-2. 4G&-1I185-1. 13	Version Number	1.0
		Materiel Number	

Description Record

NO:	Version number	Description Before Modification	Description After Modification	Date
1	1.0			2023.09.07

备注:

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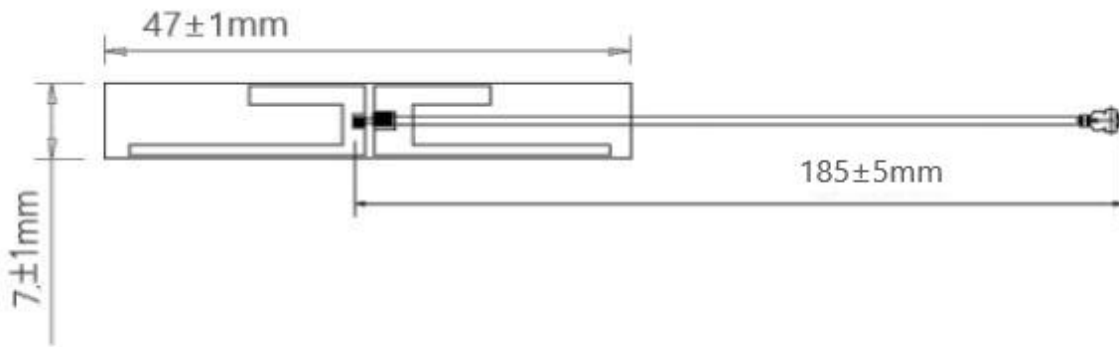
一、product introduction

- ■ Appearance: Beautiful
- Compact size
- All-weather operation
- Low power consumption, resistant to interference

二、Antenna technical parameters

Design Specifications	Typical
antenna type	2.4G&PCB Internal Antenna
Working Frequency)	2400-2500/5150-5850MHz
Gain	>1.0dBi
Antenna efficiency	40%
VSWR	≤2.0
Ploriaztion	vertical
Radiation pattern	all-around
Impedance	50 Ω
Power Capacity	3W
Interface	IPEX Generation 1
Overall dimensions	47*7mm
Weight	≤10g
Operatin Temp	-40°C~80°C
Storing Temp	-45°C~85°C

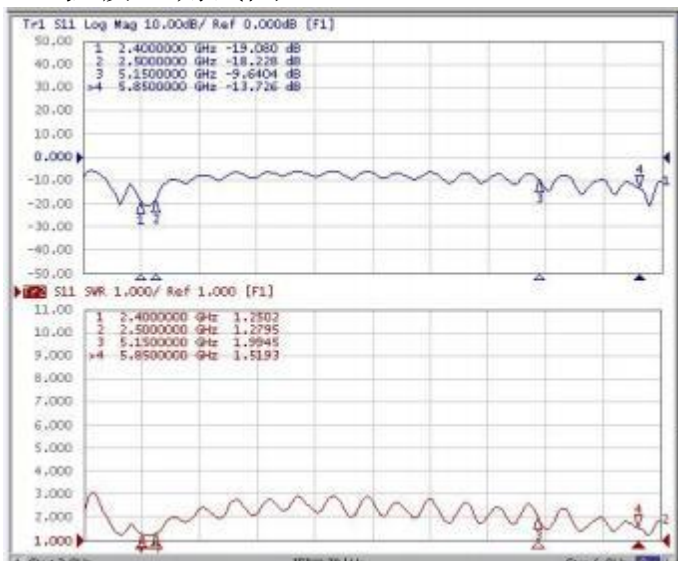
Product structure drawing:



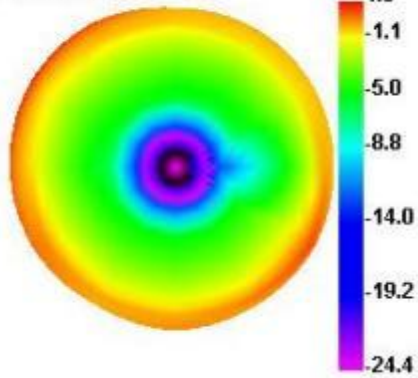
四、Gain efficiency test data

Passive Test for 2400-2500		
Freq (Mhz)	Effi (%)	Gain (dBi)
2400	58.35	1.61
2410	58.12	1.85
2420	55.78	1.65
2430	58.33	1.71
2440	62.35	1.01
2450	67.65	1.22
2460	67.18	1.32
2470	63.67	1.08
2480	65.95	1.28
2490	67.33	1.61
2500	65.33	1.72

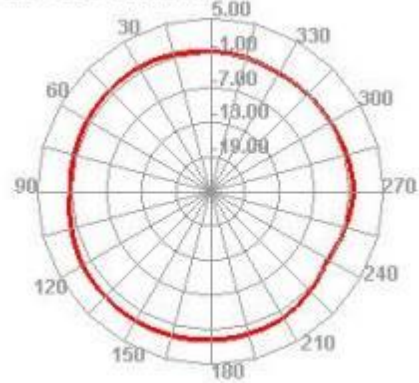
五、驻波比测试图 Standing wave ratio test chart



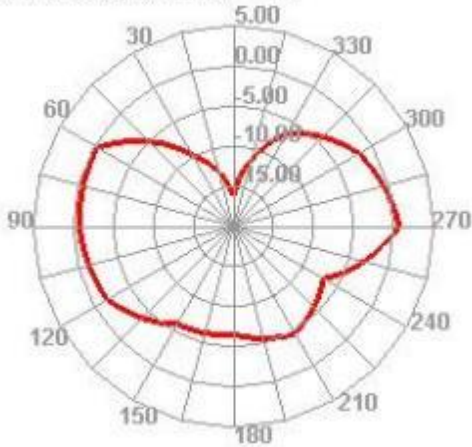
2400.000MHz



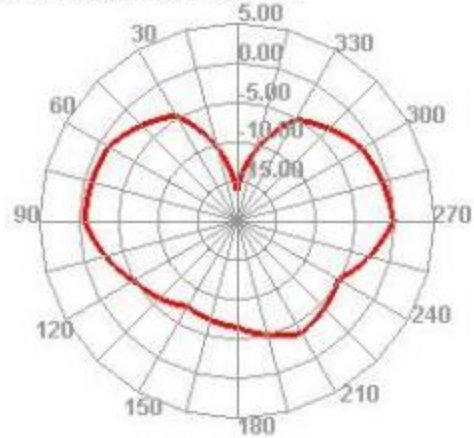
2400.000MHz H



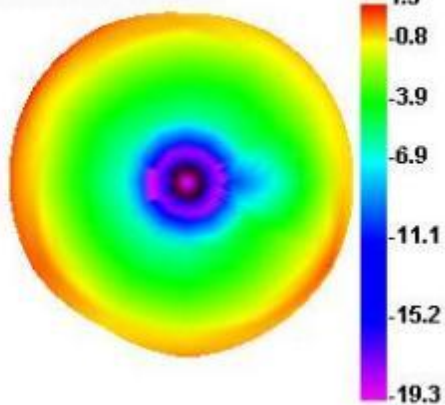
2400.000MHz E1



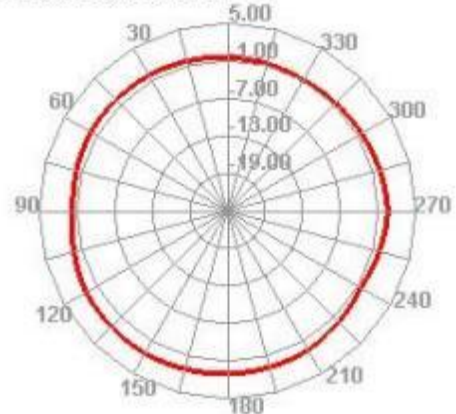
2400.000MHz E2



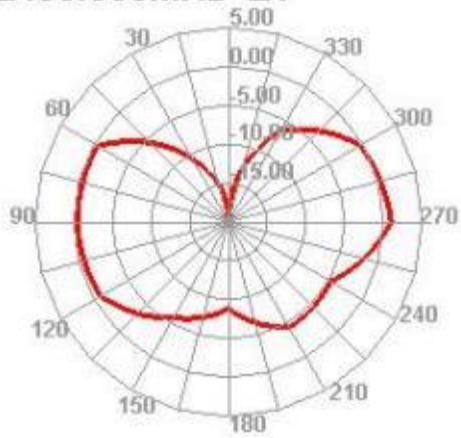
2450.000MHz



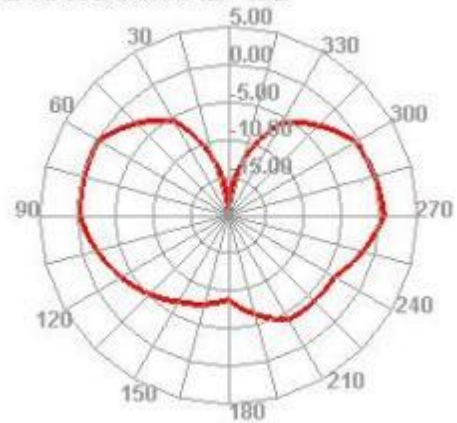
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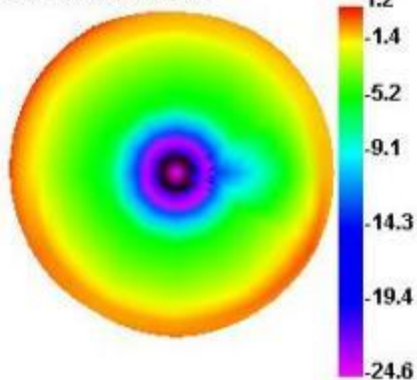
2450.000MHz E1



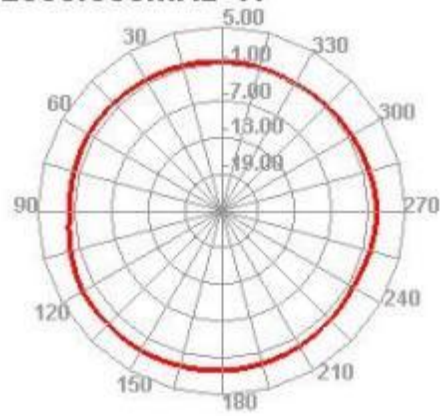
2450.000MHz E2



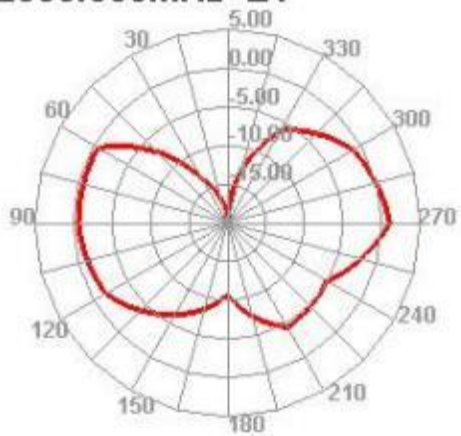
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

