

Deyuan Technology (Shenzhen) Co., LTD

Product Specification

Product Number	2.4GHz/5.1GHz/5.8GHz Internal PCB Antenna	Serial Number	2023090702
Product Type	AP477-2.4&5.8G-11185-1.13	Version Number	1.0
		Materiel Number	

Description Record

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

Note:

Manufacturer:Deyuan Technology (Shenzhen) Co., Ltd.

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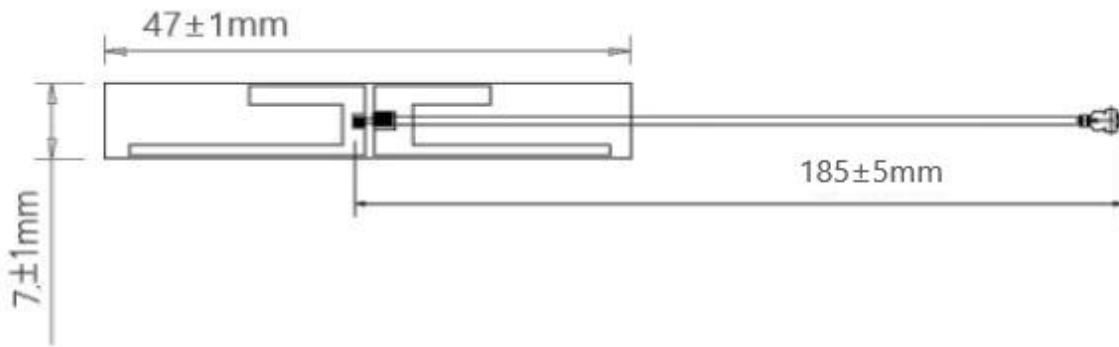
一、 Product Introduction

- Exquisite appearance
- Compact size
- All-weather operation
- Low VSWR, interference-resistant

二、 Antenna Technical Specifications:

Design Specifications	Typical
Antenna type	2.4G&5.1G&5.8G
Working Frequency	2400-2500/5150-5850MHz
Gain	>1.0dBi
Antenna efficiency	40%
VSWR	≤2.0
Ploriaztion	vertical
Radiation pattern	Omnidirectional
Impedance	50 Ω
Power Capacity	3W
Interface	IPEX Generation I
Overall dimensions	47*7mm
Weight	≤10g
Operatin Temp	-40°C~80°C
Storing Temp	-45°C~85°C

三、Product Structure Drawing (mm)

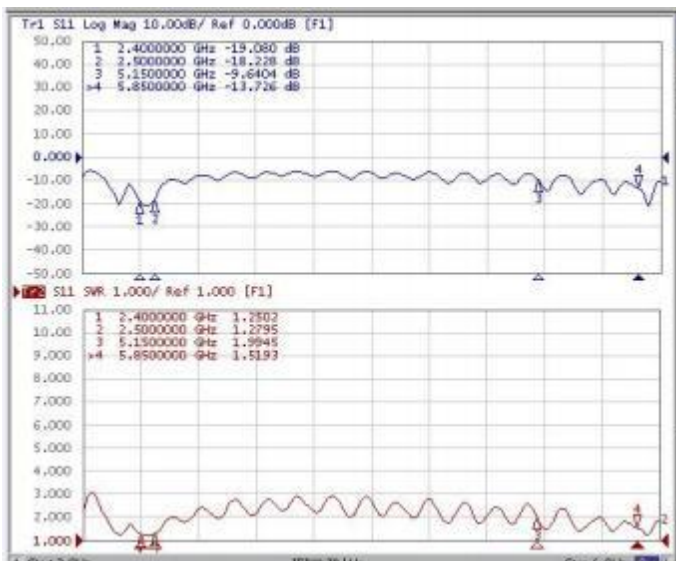


四、Gain efficiency test data

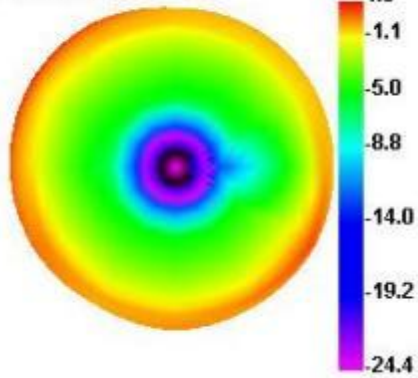
Passive Test for 2400-2500		
Freq (Mhz)	Effi (%)	Gain (dBi)
2400	58.35	1.61
2410	58.12	1.85
2420	55.78	1.65
2430	58.33	1.71
2440	62.35	1.01
2450	67.65	1.22
2460	67.18	1.32
2470	63.67	1.08
2480	65.95	1.28
2490	67.33	1.61
2500	65.33	1.72

Passive Test for 5150-5850		
Freq (Mhz)	Effi (%)	Gain (dBi)
5150	46.07	2.19
5220	50.8	2.23
5290	48.63	2.95
5360	64.99	2.85
5430	53.68	2.86
5500	53.96	2.68
5570	52.06	2.78
5640	44.09	2.36
5710	49.17	2.35
5780	50.35	2.3
5850	51.14	2.42

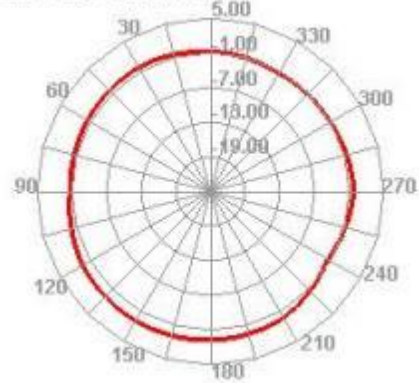
五、VSWR Test Plot



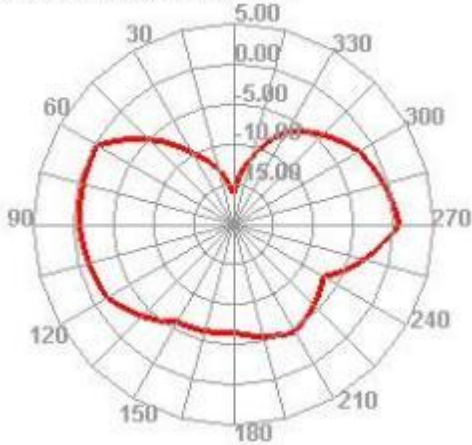
2400.000MHz



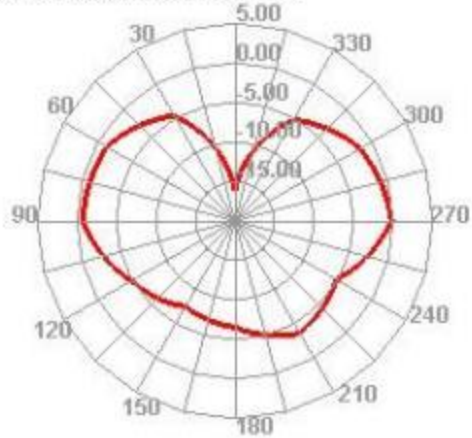
2400.000MHz H



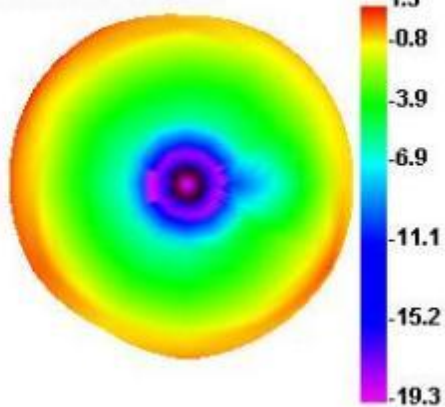
2400.000MHz E1



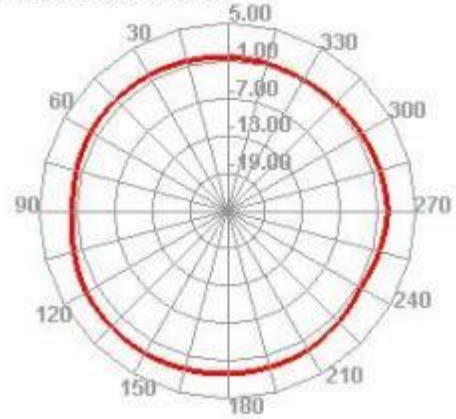
2400.000MHz E2



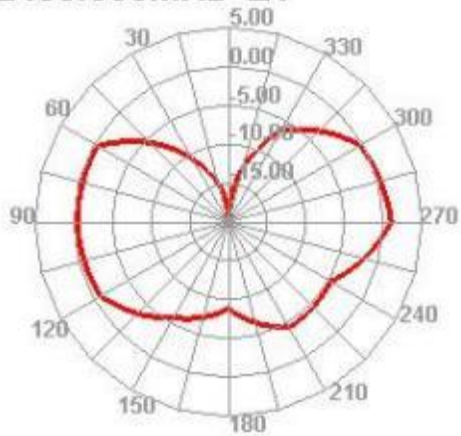
2450.000MHz



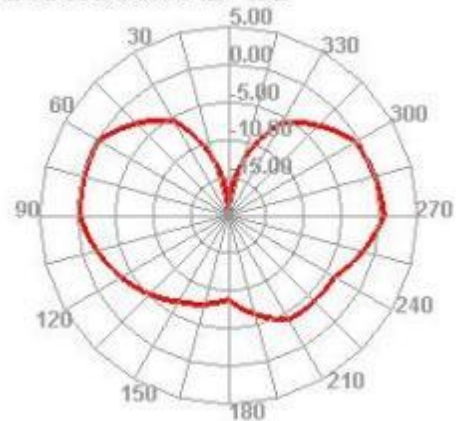
2450.000MHz H



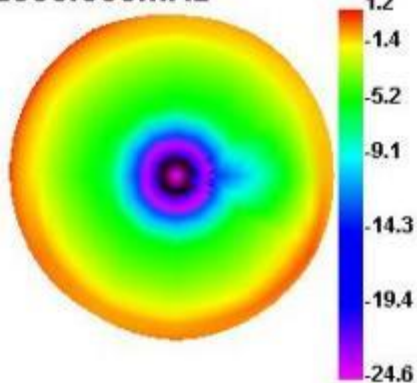
2450.000MHz E1



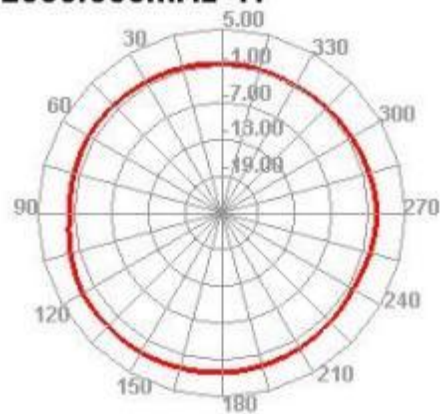
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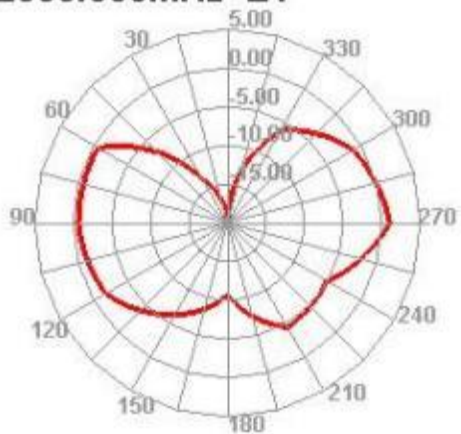
2500.000MHz



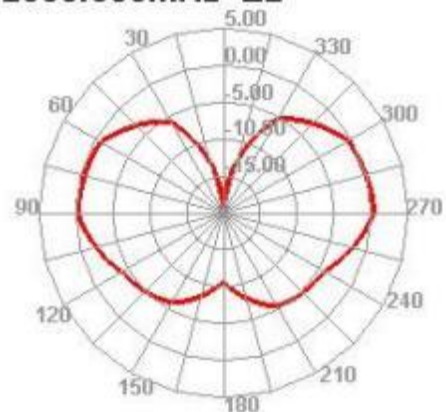
2500.000MHz H



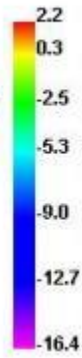
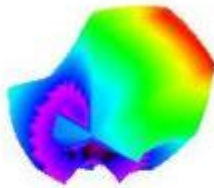
2500.000MHz E1



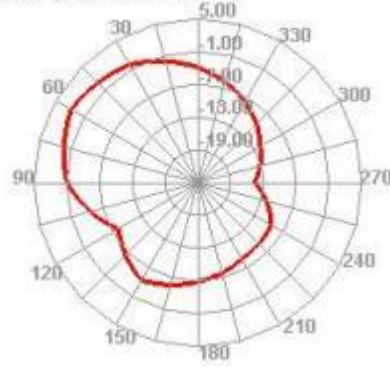
2500.000MHz E2



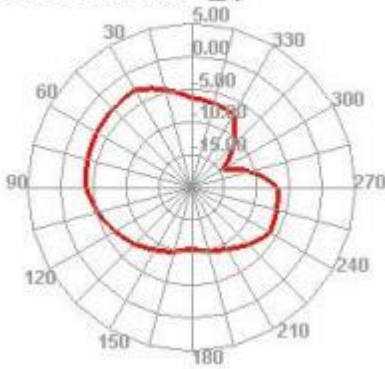
5150.000MHz



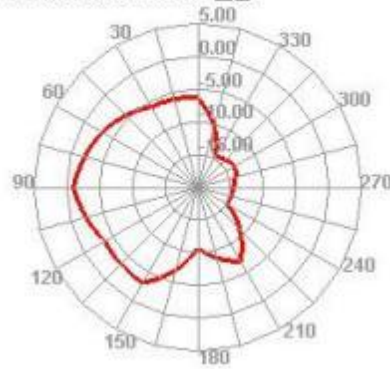
5150.000MHz H



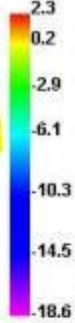
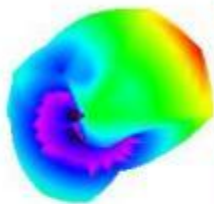
5150.000MHz E1



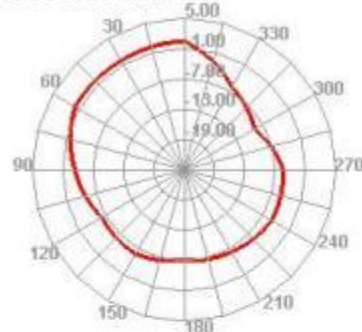
5150.000MHz E2



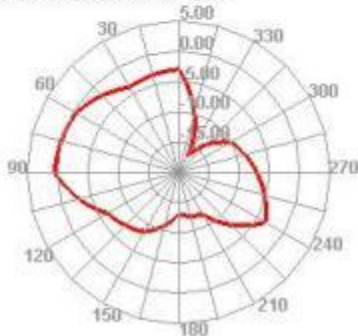
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

