

DRA5G11D-N



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5150~5850MHz FRP Antenna



1. Feature

- 5150~5850MHz of frequency
- N-Type JACK
- Plastic rod of GRAY
- ROHS compliance

2.Application

- 5150~5850MHz Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

3.Description

DRA5G11D-N for 5150~5850MHz Dipole Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

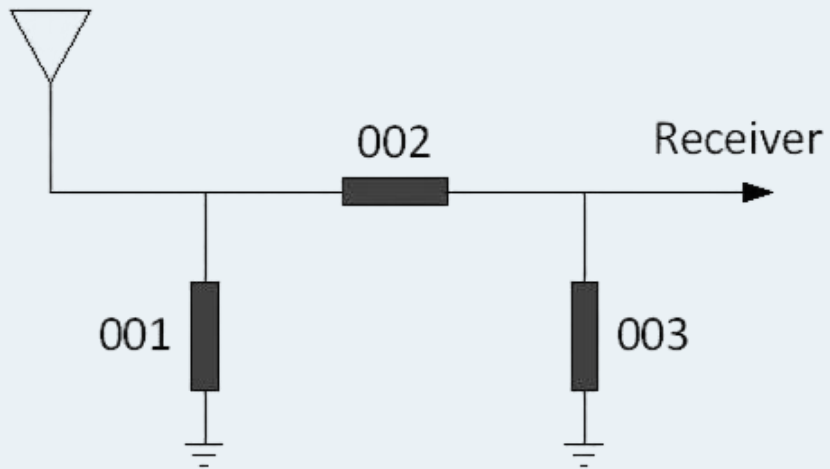
4. General Data

Product Name	5150~5850MHz FRP Antenna
Part No.	DRA5G11D-N
Frequency	5150~5850MHz
V.S.W.R	≤ 3.0
Gain (dBi)	$\leq 11\text{dBi}$
Polarization	Vertiac
Term of validity	One year
Storage Temp	$23\pm 3^{\circ}\text{C}$
Operating Temperature	$-25\sim +65^{\circ}\text{C}$
Impedance with Matching	50Ω
Dimension	L570mm

DRA5G11D-N

5. Typical Electrical Characteristics

- Recommend Matching Circuit



Reference:

001=(N/A)

002=0Ω

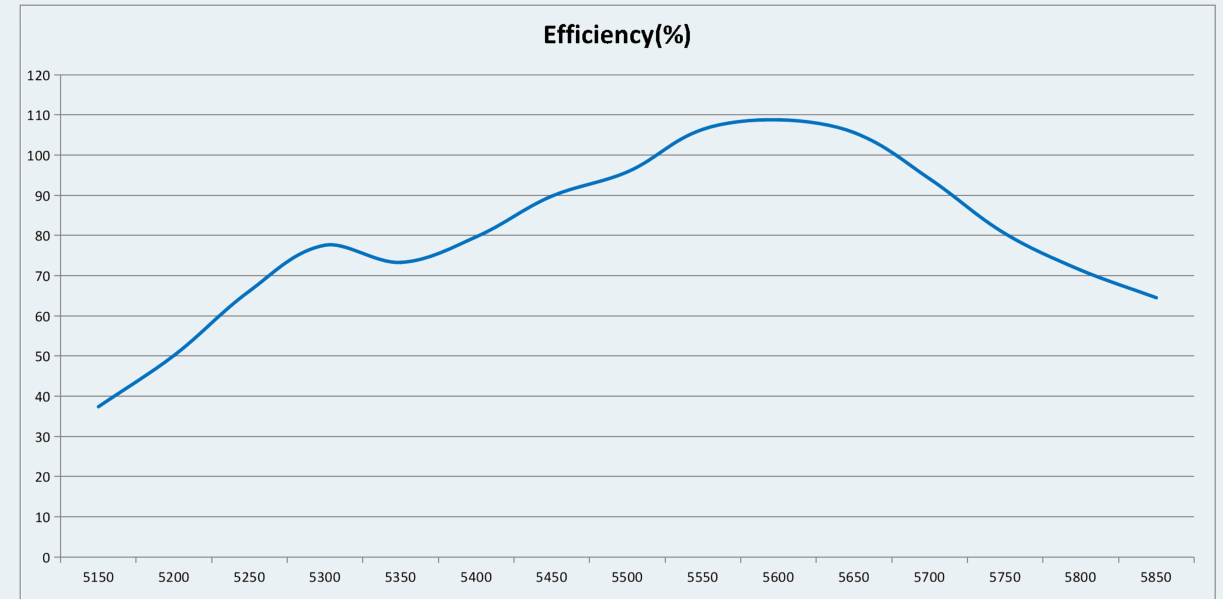
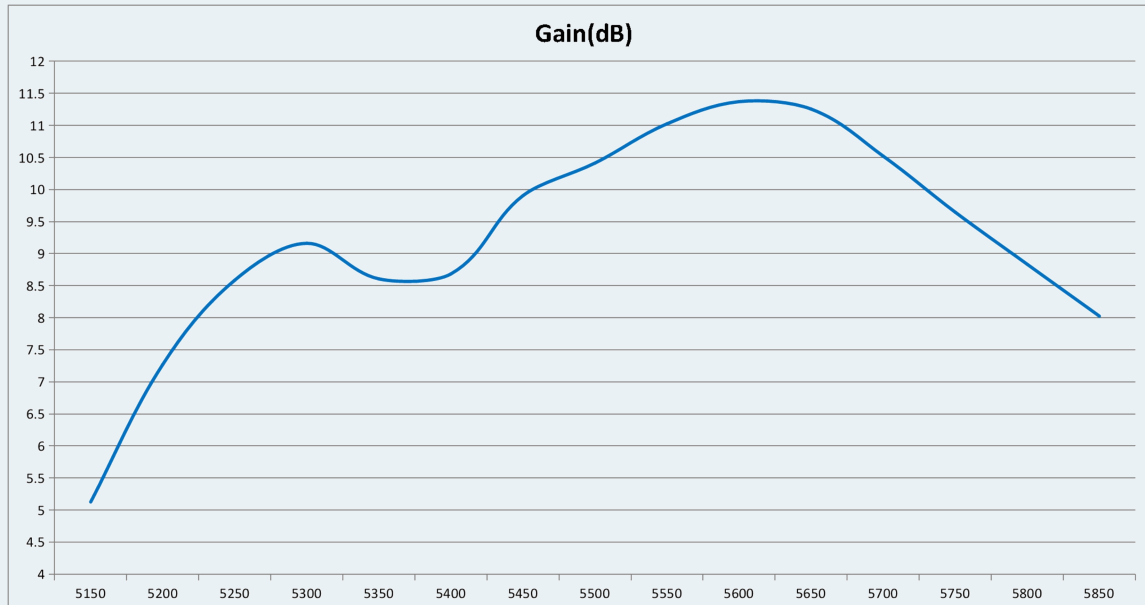
003=(N/A)

5. Typical Electrical Characteristics

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(dB)	Efficiency(%)
5150	9.3993	5.1287	-4.2706	37.4056
5200	10.2682	7.2718	-2.9964	50.1601
5250	10.3776	8.5868	-1.7908	66.209
5300	10.2618	9.1611	-1.1007	77.6129
5350	9.9545	8.6065	-1.348	73.317
5400	9.6698	8.6843	-0.9855	79.6992
5450	10.3711	9.9047	-0.4664	89.8183
5500	10.5978	10.4131	-0.1847	95.8372
5550	10.7534	11.025	0.2716	106.4532
5600	11.0038	11.3707	0.3669	108.815
5650	11.0166	11.2544	0.2377	105.6262
5700	10.7838	10.5204	-0.2634	94.1149
5750	10.5906	9.6467	-0.9439	80.4652
5800	10.2964	8.8332	-1.4632	71.3975
5850	9.9287	8.0261	-1.9026	64.5269

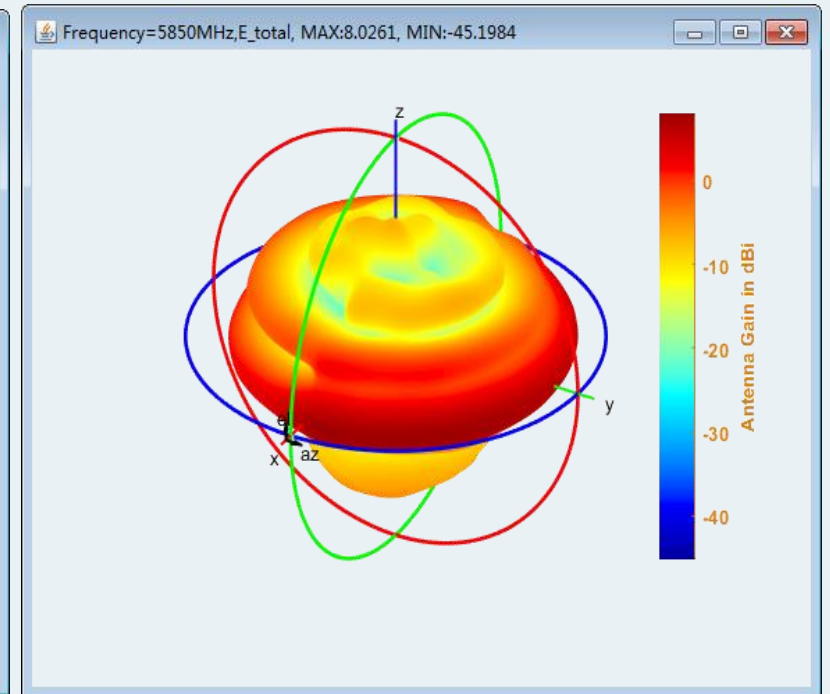
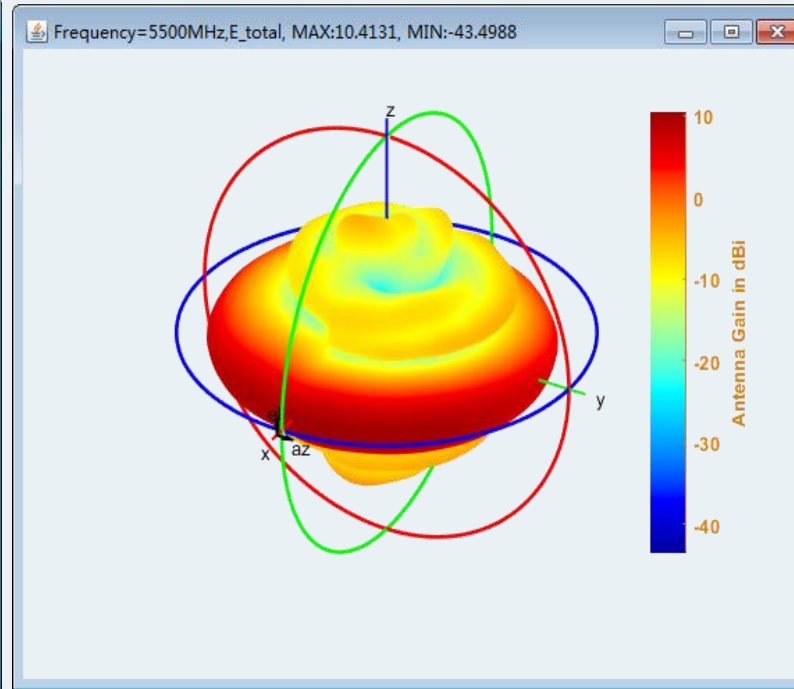
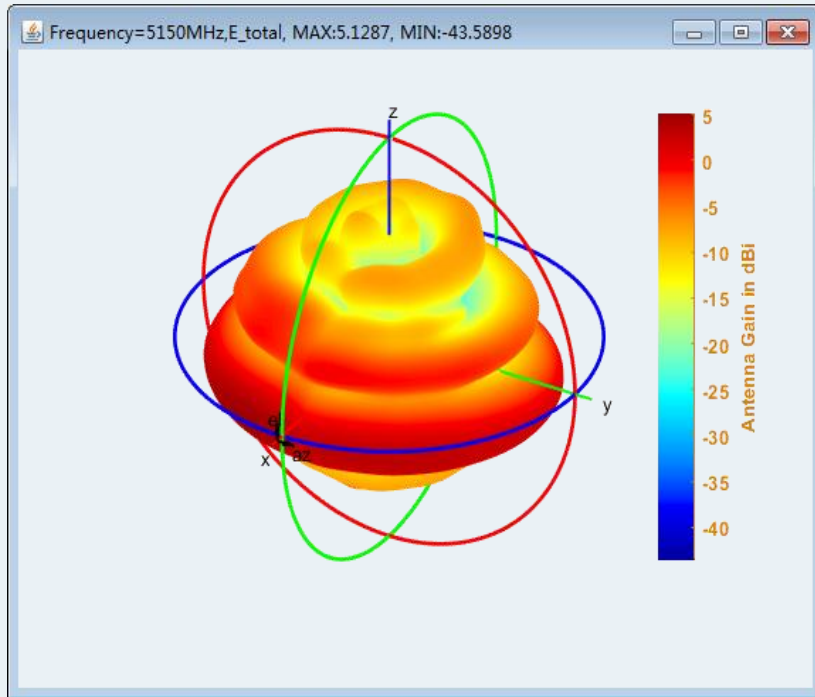
DRA5G11D-N

Gain(dB)&Efficiency(%)



DRA5G11D-N

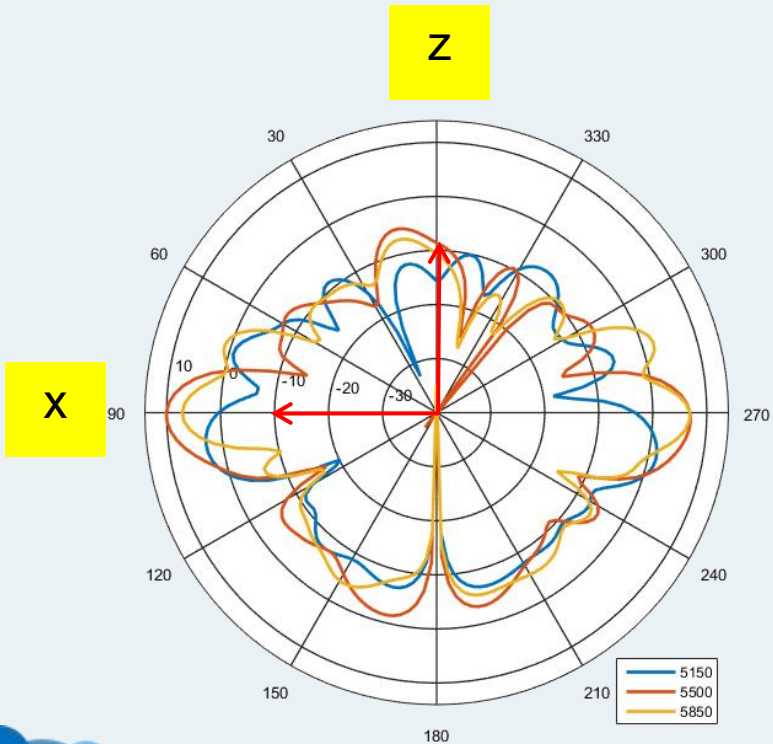
2D&3D test pattern



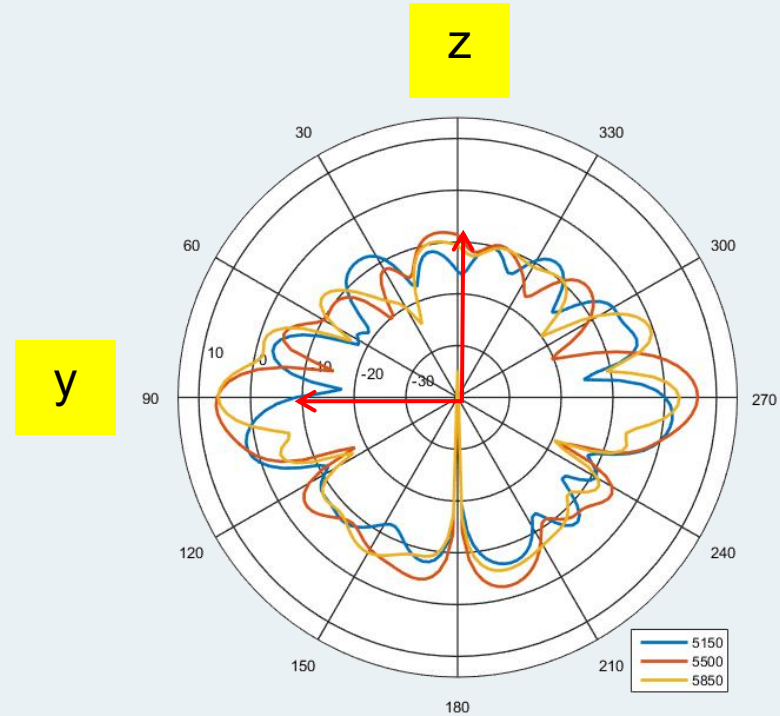
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2D&3D test pattern

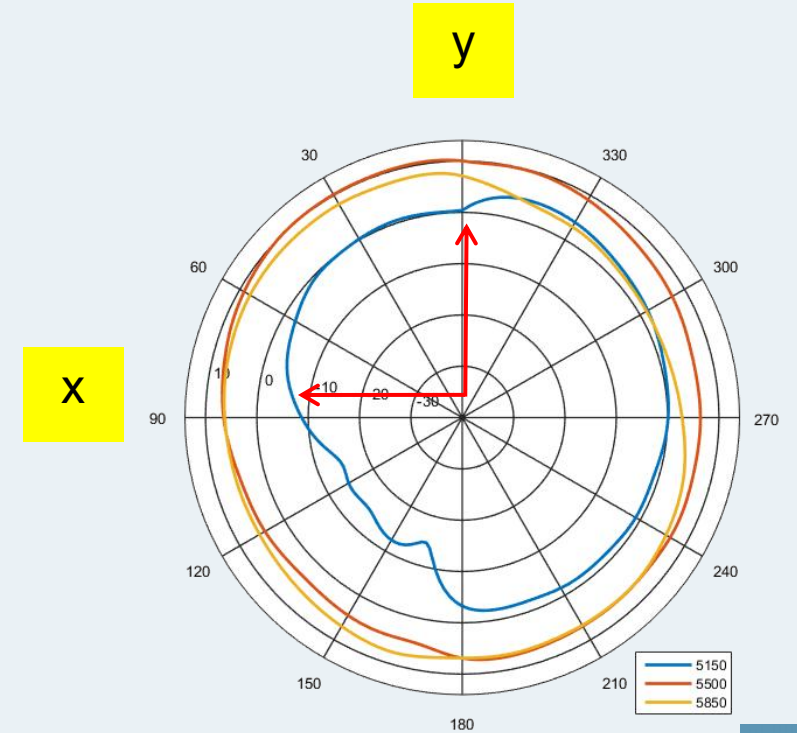
XZ Plane



YZ Plane

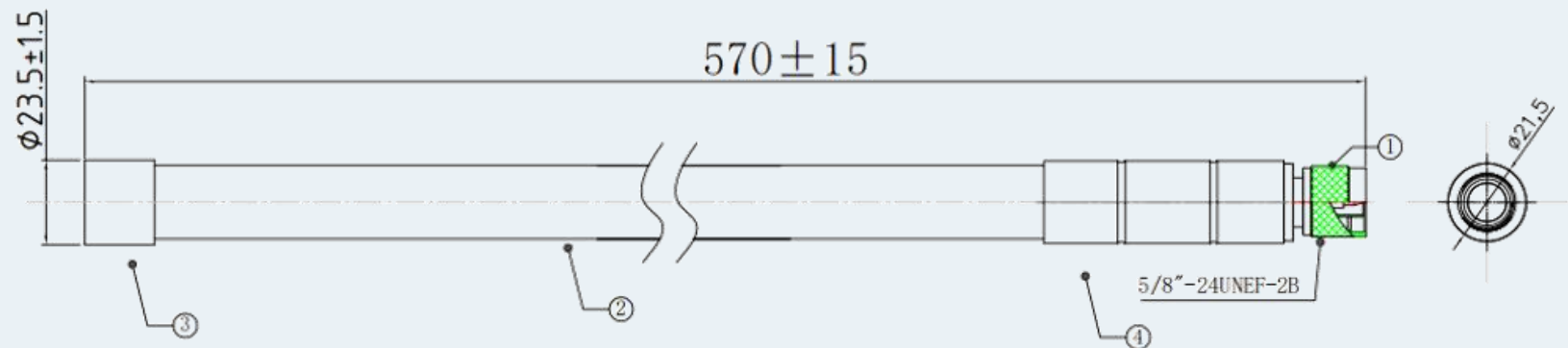


XY Plane



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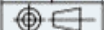
6.Dimension



SPECIFICATION

- 1. Frequency Range: 5150~5850MHz
- 2. Impedance: 50 Ω
- 3. VSWR: ≤ 3.0
- 4. Polarization: Vertical
- 5. Radiation: Omni

④	CAP	L65* ϕ 22.5mm 6061	1PCS	
③	CAP	L19* ϕ 23.5mm PVC grey	1PCS	
②	CONN	L520* ϕ 18.5mm Fiberglass Tube Grey	1PCS	
①	CONNECTOR	N-Type JACK Ni Plated 1~3 μ	1PCS	
NO	PARTNAME	DESCRIPTION	Q'TY	Part P/NO

CUSTOMER'S SINGATURE	XX.	± 5	CUSTOMER:		
	X.	± 3.0	PART NO :		
	.X	± 1.0	PARTNAME: 5150~5850MHz Dipole Antenna		
	.XX	± 0.5	SOANT P/NO: DRA5G11D-N		
	.XXX	± 0.1	REV	UNIT	FILE:
			A	m/m	SHEET: 1/1



DRA5G11D-N