

Feature

- N-Type Plug Male PIN
- Waterproof grade IP67
- 5.9~7.15GHz of frequency
- Plastic rod of White
- ROHS compliance

Application

- 5.9~7.15GHz Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card



Description

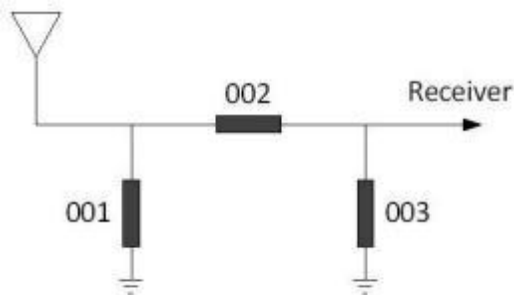
The antenna for 5.9~7.15GHz Dipole Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

General Data

Product Name	DRA6G6D-N
Part NO.	5.9~7.15GHz Dipole Antenna
Frequency	5.9~7.15GHz
V.S.W.R	≤2.0
Peak Gain (dBi)	6dBi
Polarization	Vertical
Storage Temp	-40℃~+85℃
Operating Temperature	-40℃~+85℃
Antenna Type	N-Type Plug Male PIN
Impedance with Matching	50 Ω
Dimension	L318X φ 21(mm)

Typical Electrical Characteristics

- Recommend Matching Circuit



Reference:

001=(N/A)

002=0 Ω

003=(N/A)

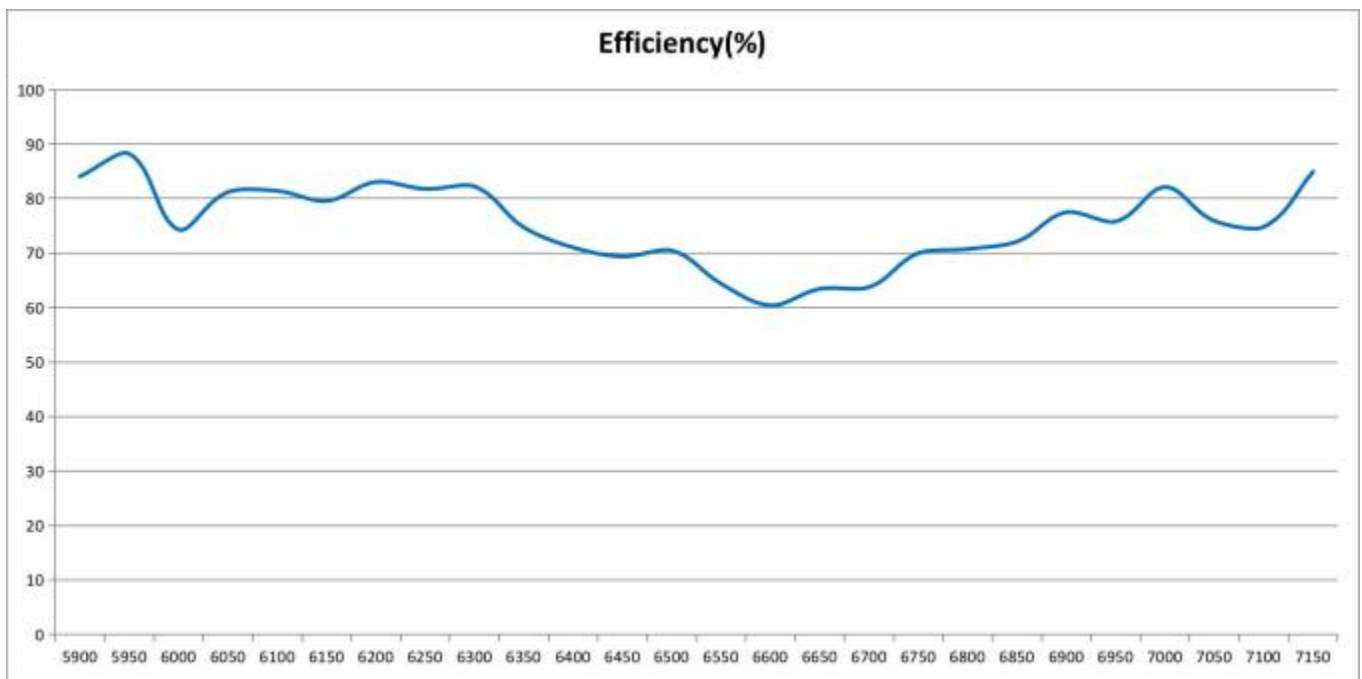
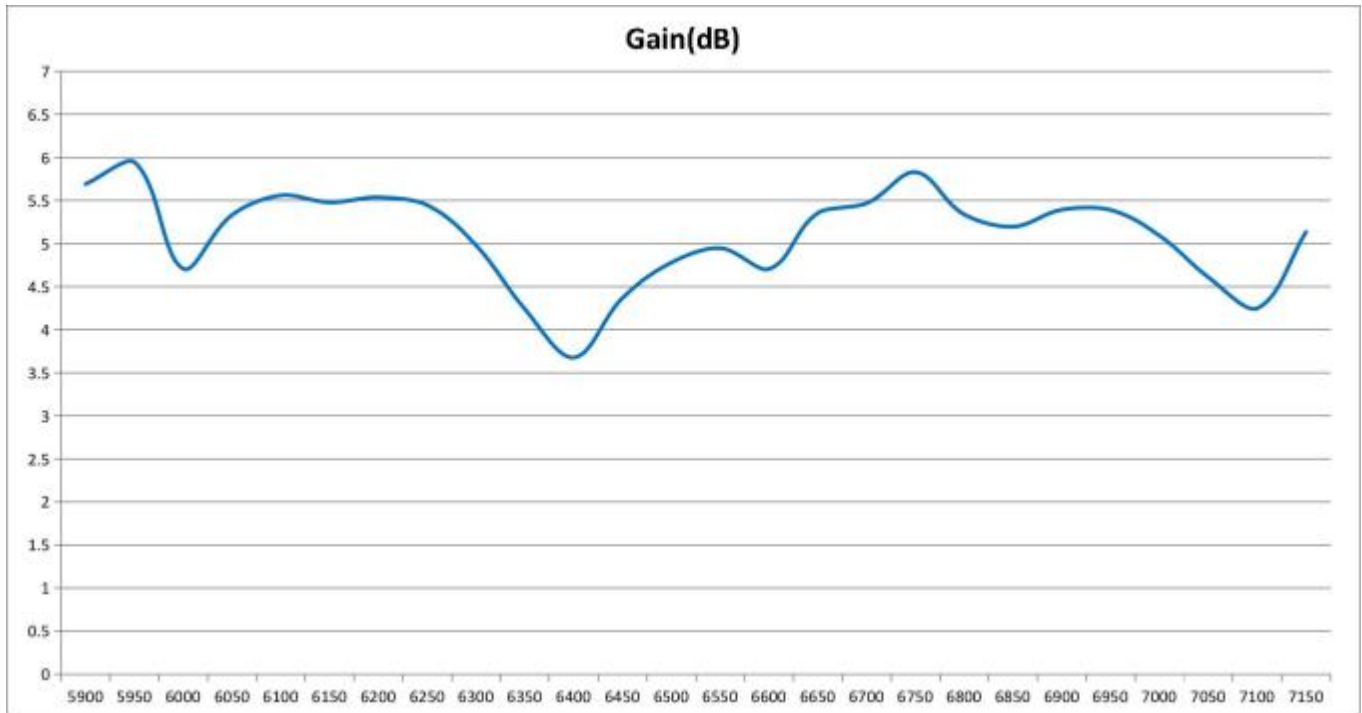
- Return loss、VSWR& Smith chart



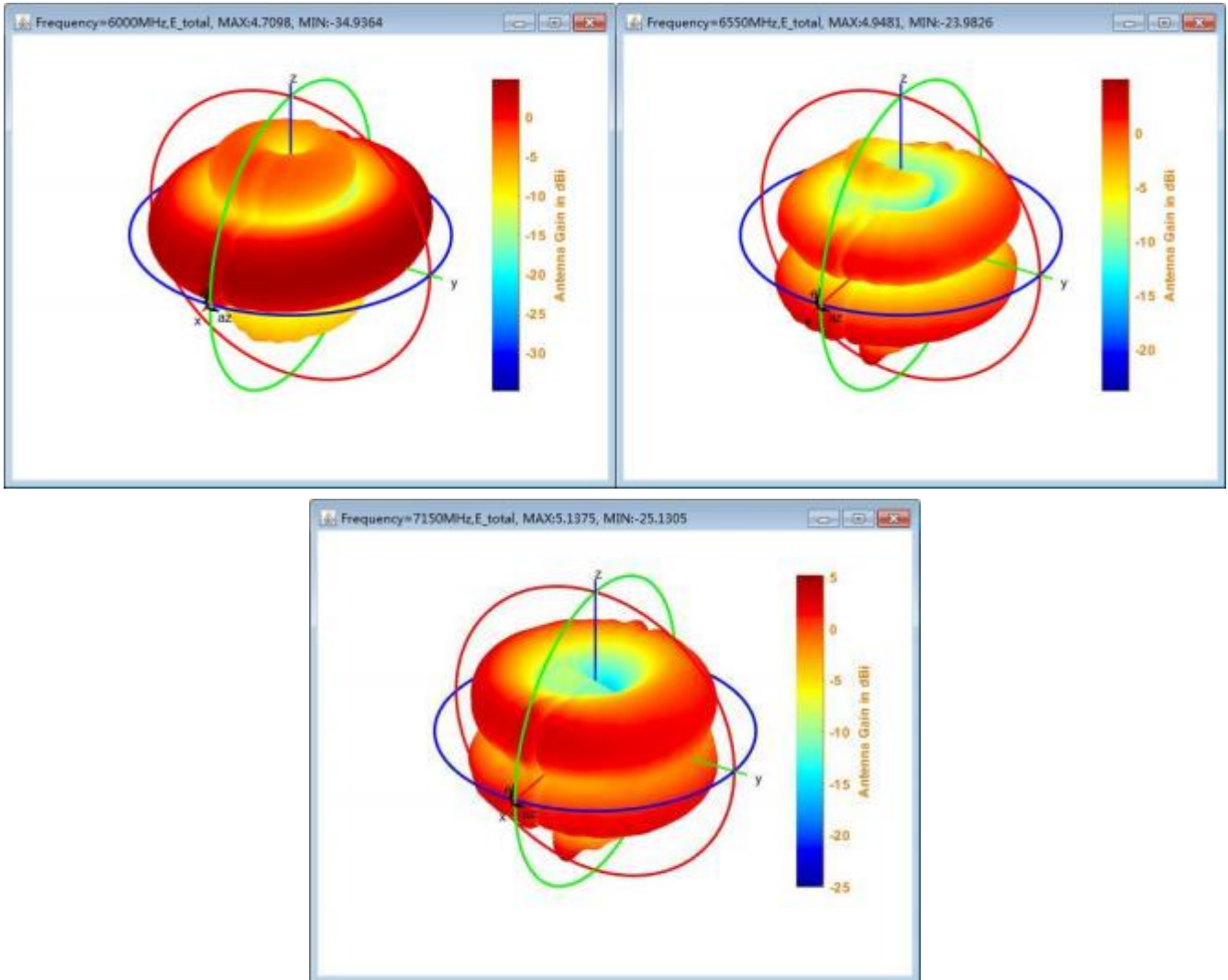
Frequency Total Data

Frequency (MHz)	Directivity (dB)	Gain(dB)	Efficiency (dB)	Efficiency (%)
5900	6.4461	5.693	-0.7532	84.078
5950	6.4904	5.9469	-0.5436	88.2354
6000	5.999	4.7098	-1.2892	74.3157
6050	6.2384	5.3344	-0.904	81.2089
6100	6.4542	5.5619	-0.8924	81.4262
6150	6.4719	5.4796	-0.9923	79.5734
6200	6.3452	5.5395	-0.8057	83.0669
6250	6.3213	5.4476	-0.8737	81.7759
6300	5.8291	4.979	-0.85	82.2236
6350	5.5036	4.2388	-1.2649	74.733
6400	5.1634	3.6781	-1.4853	71.0343
6450	5.959	4.3719	-1.5871	69.3889
6500	6.302	4.7819	-1.5202	70.4662
6550	6.8604	4.9481	-1.9123	64.3833
6600	6.8949	4.7066	-2.1883	60.4187
6650	7.3321	5.3573	-1.9748	63.4631
6700	7.4241	5.4706	-1.9536	63.7742
6750	7.3804	5.8309	-1.5495	69.9929
6800	6.8412	5.339	-1.5022	70.7584
6850	6.6161	5.1977	-1.4185	72.136
6900	6.502	5.3955	-1.1065	77.5087
6950	6.5936	5.3912	-1.2024	75.8151
7000	5.9482	5.0925	-0.8556	82.1174
7050	5.8061	4.6094	-1.1967	75.9161
7100	5.5094	4.25	-1.2595	74.8259
7150	5.8463	5.1375	-0.7088	84.9406

Gain(dB)&Efficiency(%)



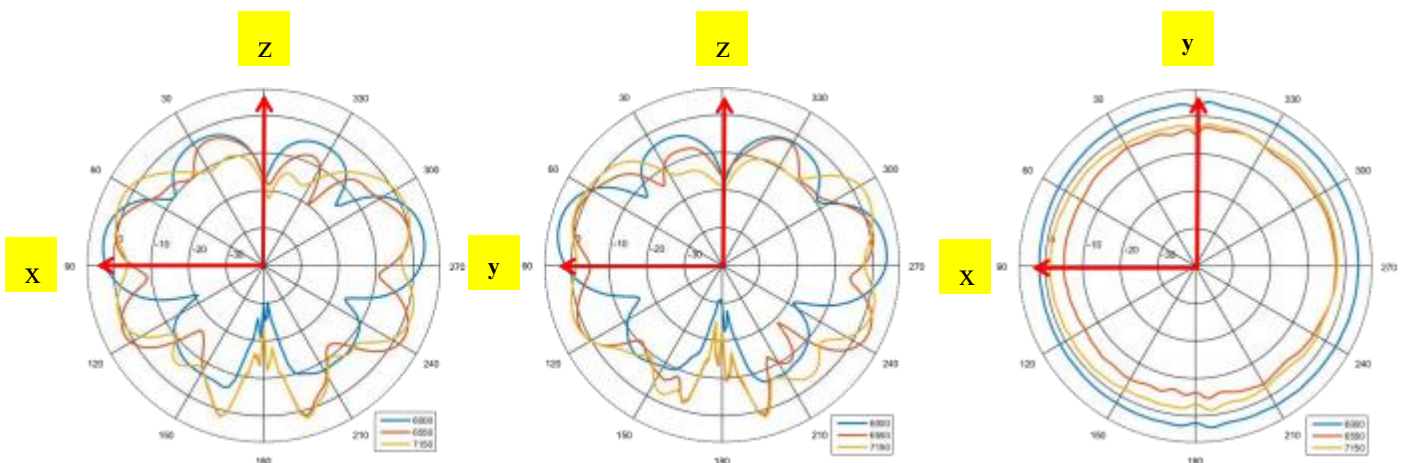
2D&3D test pattern



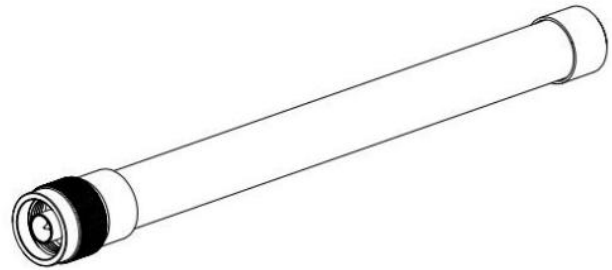
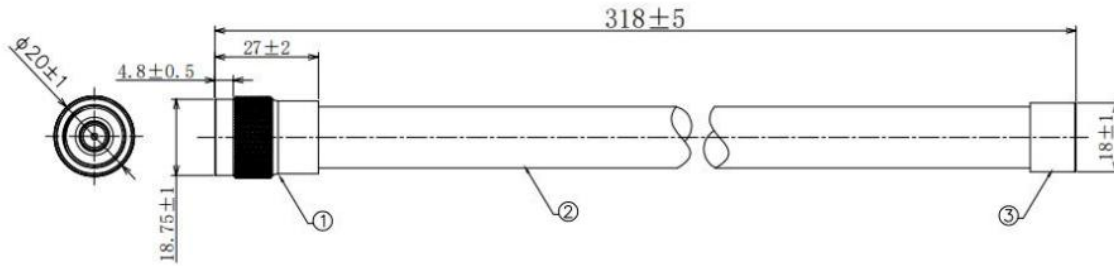
XZ Plane

YZ Plane

XY Plane



Dimension



SPECIFICATION

1. Frequency Range: 5.9~7.15GHz
2. Impedance: 50Ω
3. VSWR: ≤ 2.0
4. Polarization: Vertical
5. Radiation: Omni
6. Gain: 6dBi

③	CAP	Aluminium: H8* ϕ 18mm	1PCS	
②	Fiberglass tube	L150* ϕ 16mm: White	1PCS	
①	CONNECTOR	N-TYPE PLUG, FOR ANTENNA	1PCS	
NO	PARTNAME	DESCRIPTION	Q'TY	Part P/NO