

DANT-03RPR-BX

2.4GHz Dipole Antenna 3dBi RP SMA MALE

APPLICATIONS AND FEATURES

Applications:

- 2.4GHz-2.5GHz ISM Band
- IEEE 802.11b/g/n Wireless LAN
- Public Wireless Hotspot
- Bluetooth 、 Wi-Fi 、 RFID
- Wireless Video Systems
- Directional and multipoint application

Features :

- Superior Performance
- Made with weatherproof and corrosion resistant
- Good appearance design
- Installed for vertical or horizontal polarization
- Outdoor antenna for public Hot spots
- Heavy Duty mounting
- RoHS Compliant



SPECIFICATIONS:

Electrical Specifications

Frequency Range	2400~2500 MHz
V.S.W.R	$\leq 2.0:1$
Antenna Type	Dipole Sleeve
Gain	$\geq 3.0 + 0.5\text{dBi}$
Polarization	Linear
Horizontal Beam-width	360°
Impedance	50Ω
Connector	RP SMA MALE

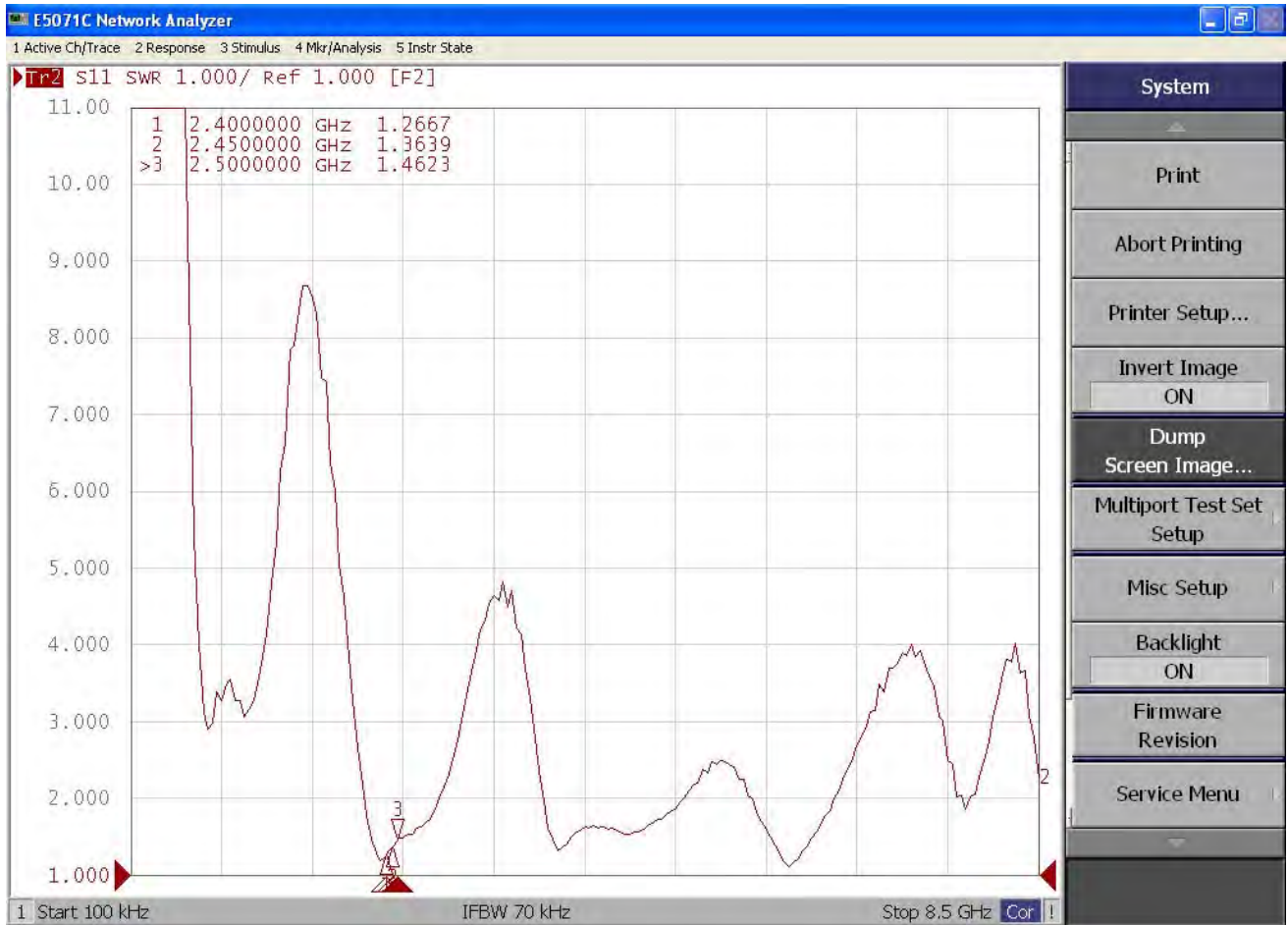
Mechanical Specifications

Dimension	136mm
Weight	11.5g
Housing	TPEE
Hinge	ABS
Color	Black
Operating Temperature	-20°C to +70 °C
Storage Temperature	-20°C to +70 °C

Test Item	Procedure	Requirement
Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1.no visible damage 2. Freq. Tol. : < ±5%
Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

TESTING REPORT

VSWR



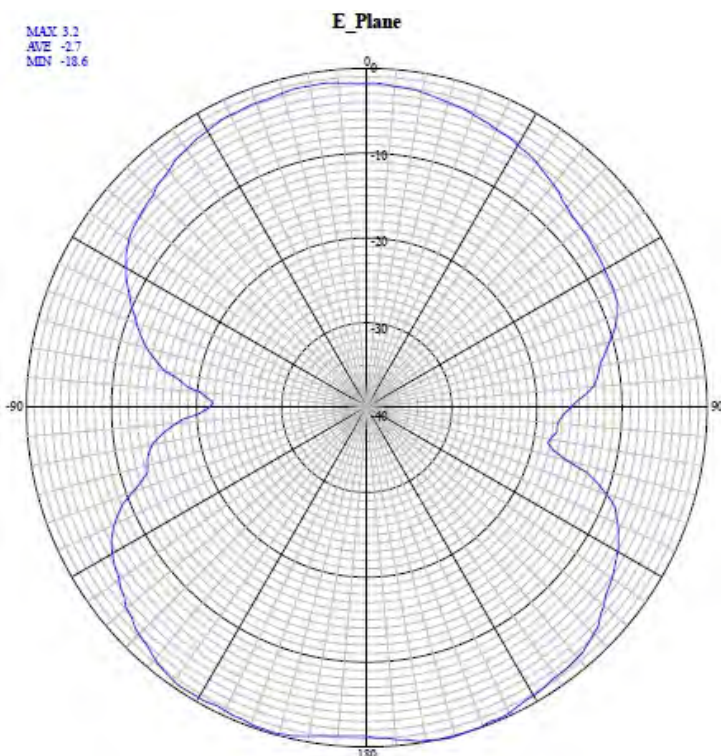
Antenna Gain

頻率	Gain H-Plane	Gain E-Plane
2.4 GHz	4.1 dBi	3.8 dBi
2.45 GHz	3.4 dBi	4.0 dBi
2.5 GHz	3.3 dBi	4.3 dBi

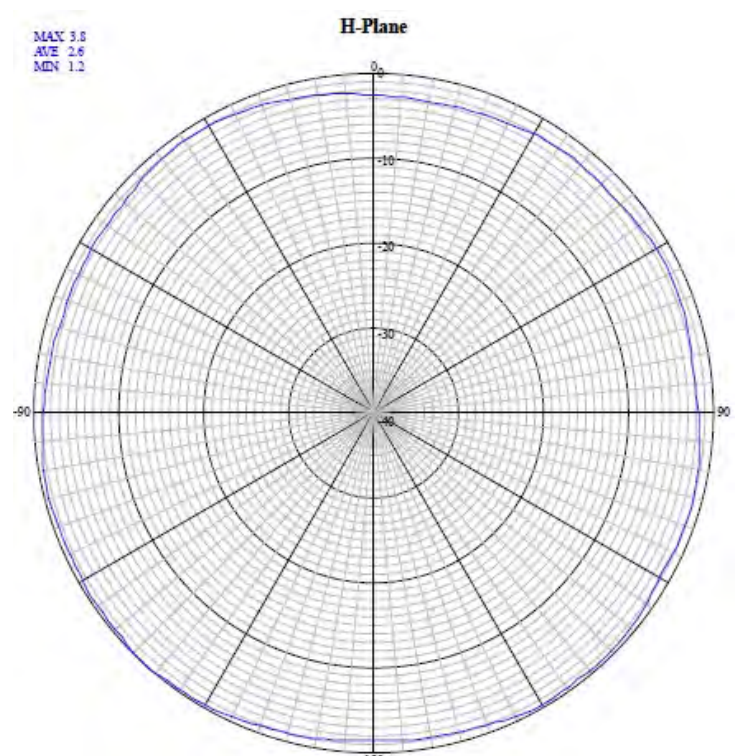
頻率	HPBW H-Plane	HPBW E-Plane
2.4 GHz	360.0 deg	122.4 deg
2.45 GHz	360.0 deg	122.6 deg
2.5 GHz	360.0 deg	102.2 deg

Antenna Vertical & Horizontal Pattern

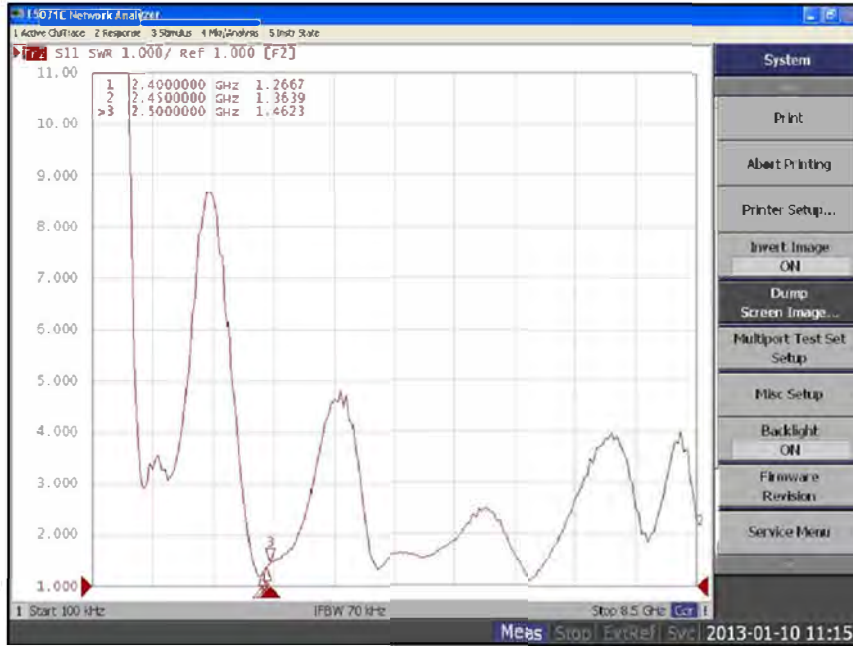
Vertical



Horizontal



REV	DATE	DESCRIPTION	DRAWN
1			



ELECTRIC

S.W.R.: 2.4~2.5 GHz ≤ 2.0
 GAIN: ≥ 3.0 dBi
 IMPEDANCE: 50 Ω

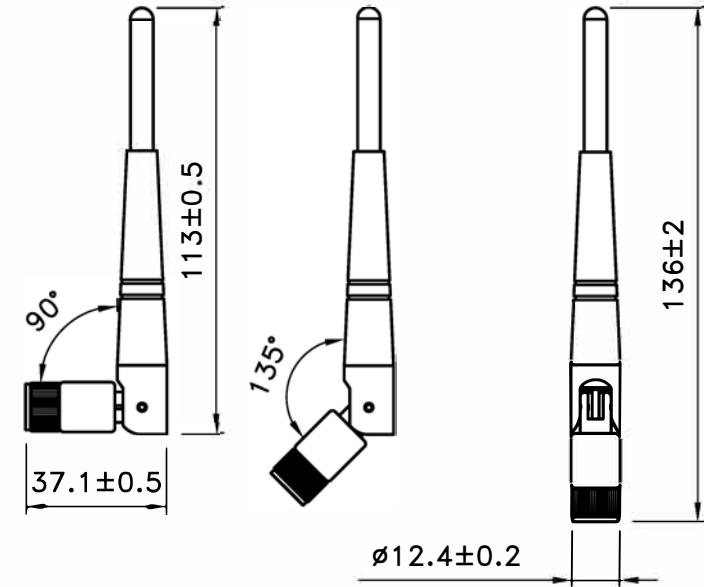
MATERIAL

MATERIAL OF RADIATOR: CU
 CONNECTOR TYPE: RP SMA MALE

ENVIRONMENTAL

STORAGE TEMPERATURE: -20°C~70°C
 OPERATING TEMPERATURE: -20°C~70°C

7	1.13 CABLE	ASSY	BLACK	1
6	N0543	BRASS	NONE	1
5	Y0404	ABS	BLACK	1
4	Y0408	ABS	BLACK	1
3	Y0407	ABS	BLACK	1
2	Y0384	ABS	BLACK	1
1	SMA-1067-11-RP-DGB	ASSY	BLACK	1
NO	DESCRIPTION	MATERIAL	FINISH	Q'ty



NOTE	TOLERANCES
1. STRIP ALL BURRS.	UNLESS OTHERWISE NOTED TOLERANCES
2. ALL DIMENSIONS ARE AFTER PLATING.	
3. DIAMETERS ON COMMON CENTERS.	
4. CHAMFER 1ST & LAST THREADS 45°	
5. BREAK ALL CONNERS & EDGES CO.15 MAX.	
	X=±0.3
	0.X=±0.2
	0.XX=±0.1

TITLE 3dBi Dipole Antenna	
DRAWING NO. DANT-03RPR-BX	
APPROVED	DRAWN DATE 11/28/14
APPROVED	SCALE 1:2
CHECKED	CHECKED
CHECKED	UNIT mm
DRAWN ALICE	