

DUAL BAND 2.4/5GHz DIPOLE ANTENNA 3dBi RP-SMA(M) DA-DB-03RP-SMA-02

APPLICATIONS AND FEATURES

Applications:

- 2.4GHz-2.5GHz / 5.15~5.85GHz ISM Band
- IEEE 802.11a/b/g/n Wireless LAN
- 802.16WiMax Networks
- Public Wireless Hotspot
- Bluetooth 、 Wi-Fi 、 RFID
- Wireless Video Systems
- Directional and multipoint application

Features :

- RoHS Compliant
- The Weight is light
- Heavy Duty mounting
- Superior Performance
- Good appearance designs
- Outdoor antenna for public Hot spots
- Installed for vertical or horizontal polarization



SPECIFICATIONS:

Electrical Specifications

Frequency Range	2400~2500 MHz 5150~5850 MHz
V.S.W.R	≤2.0:1
Antenna Type	Dipole Sleeve
Gain	3.0 ± 0.5dBi
Polarization	Linear
Horizontal Beam-with	360°
Impedance	50Ω
Connector	RP SMA MALE

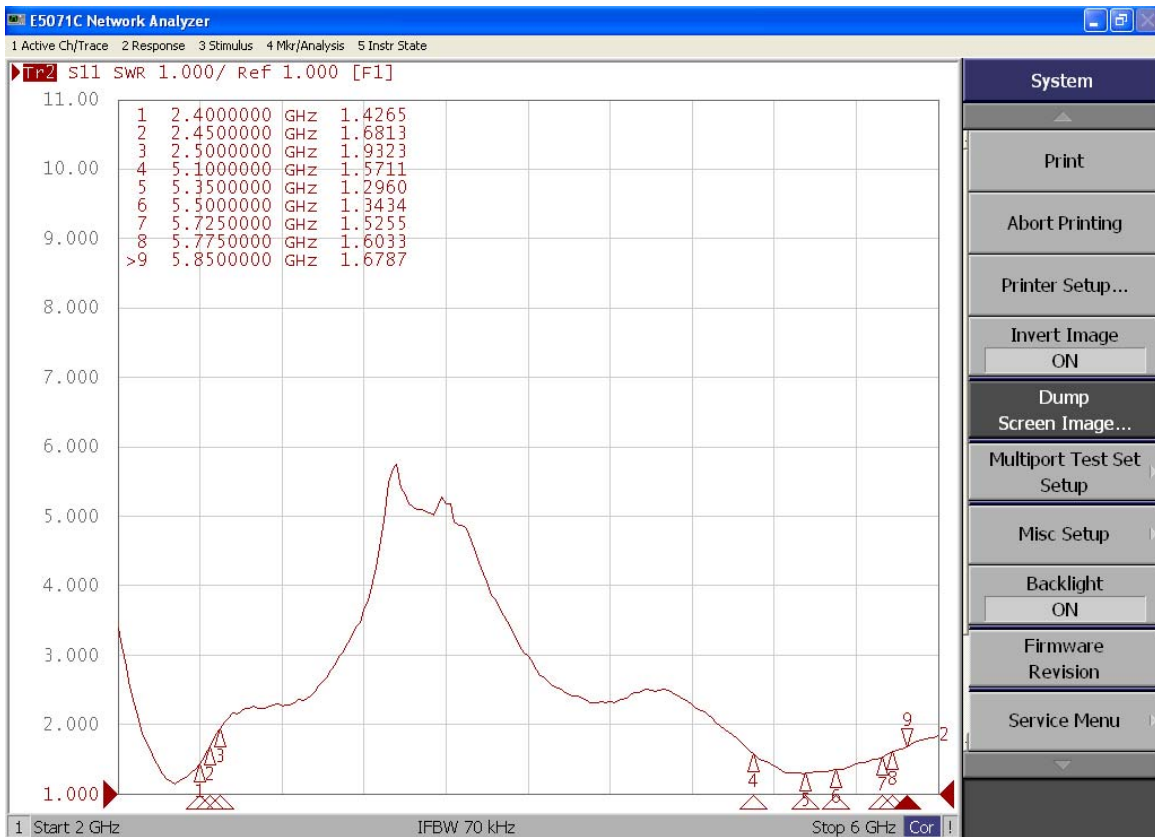
Mechanical Specifications

Dimension	136 mm
Weight	14.5g
Housing	TPEE
Hinge	ABS
Color	Black
Operating Temperature	-20°C to +70°C

Reliability Testing

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

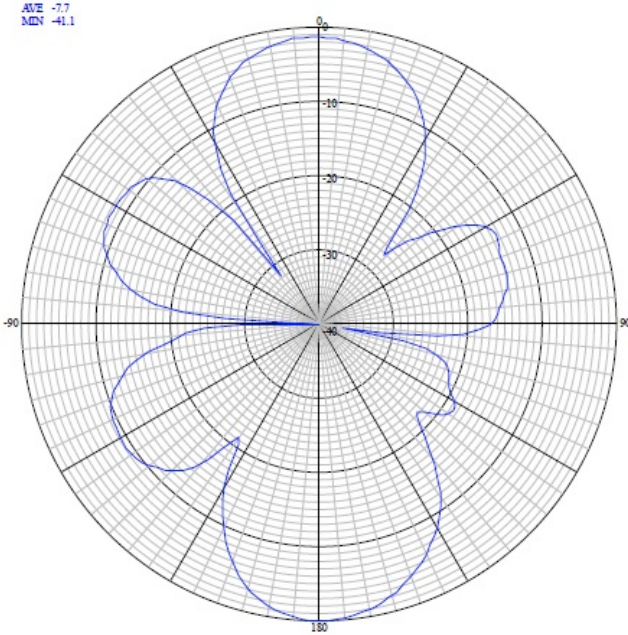


Antenna Vertical & Horizontal Pattern 2.4GHz

Vertical

MAX 4.5
AVE -2.7
MIN -41.1

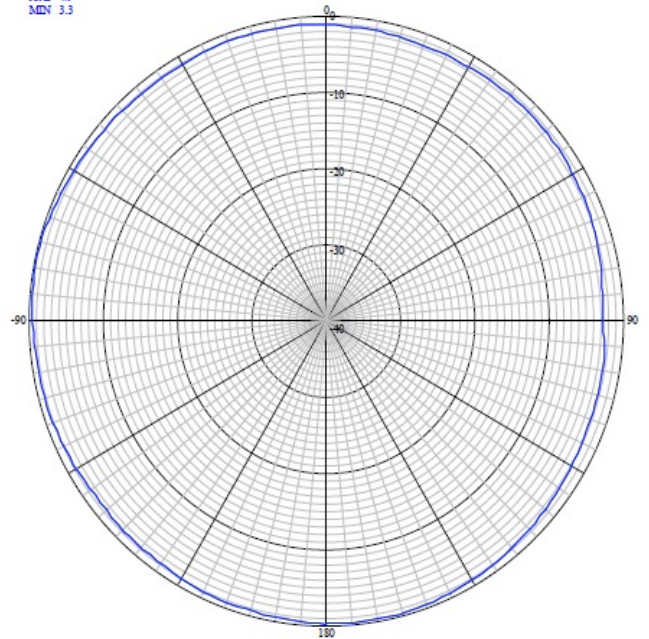
E-Plane



Horizontal

MAX 6.0
AVE 4.9
MIN 3.3

H-Plane

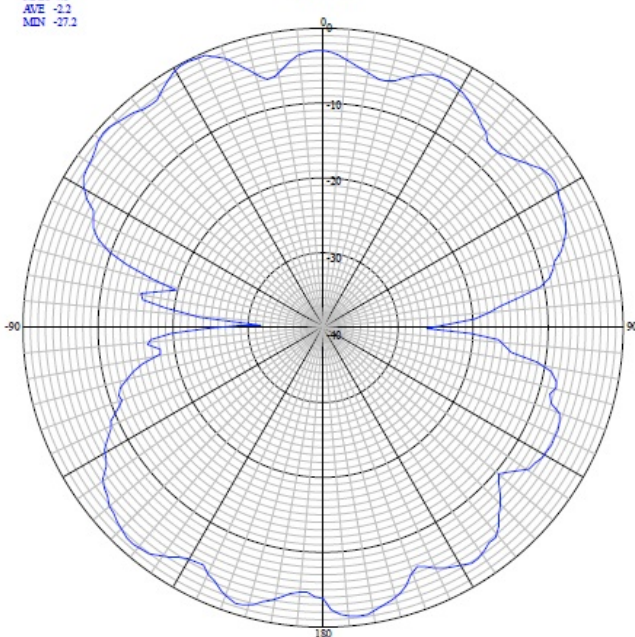


5.8GHz

Vertical

MAX 4.3
AVE -2.2
MIN -27.2

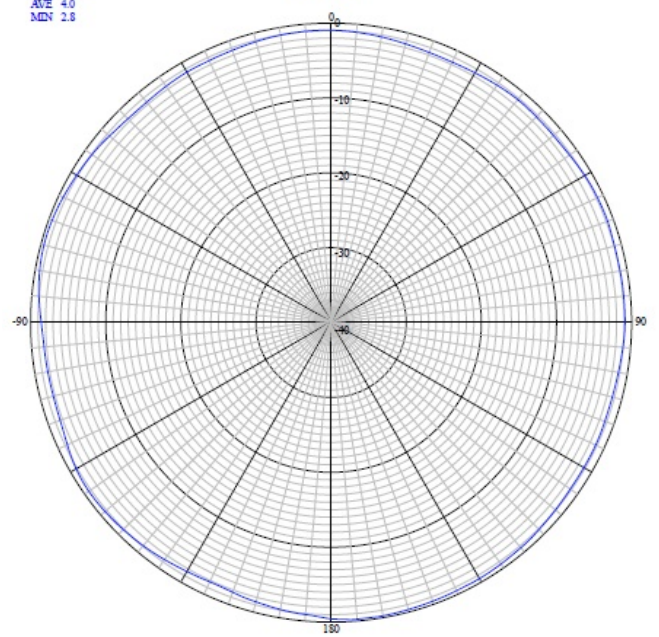
E-Plane



Horizontal

MAX 4.9
AVE 4.0
MIN 2.8

H-Plane



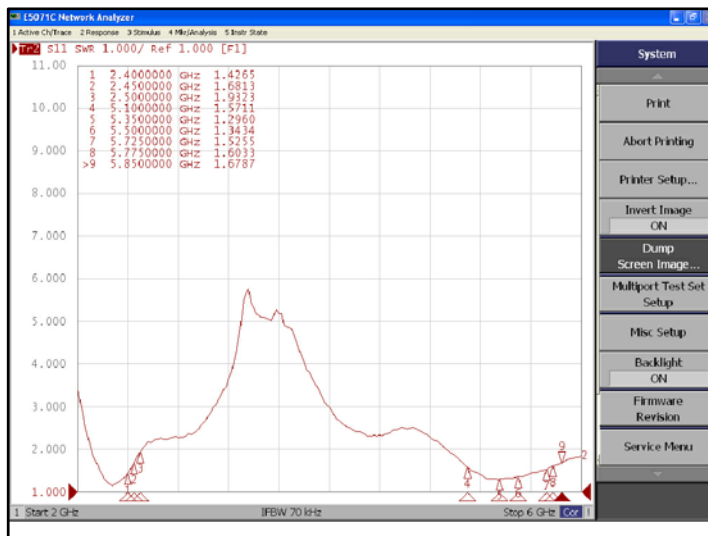
Hwayaotek

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REV	DATE	DESCRIPTION	DRAWN
△			



ELECTRIC

S.W.R.: 2.4GHz ≤ 2.0

5 GHz ≤ 2.0

GAIN: 3.0+0.5 dBi

IMPEDANCE: 50 Ω

MATERIAL

MATERIAL OF RADIATOR: BRASS

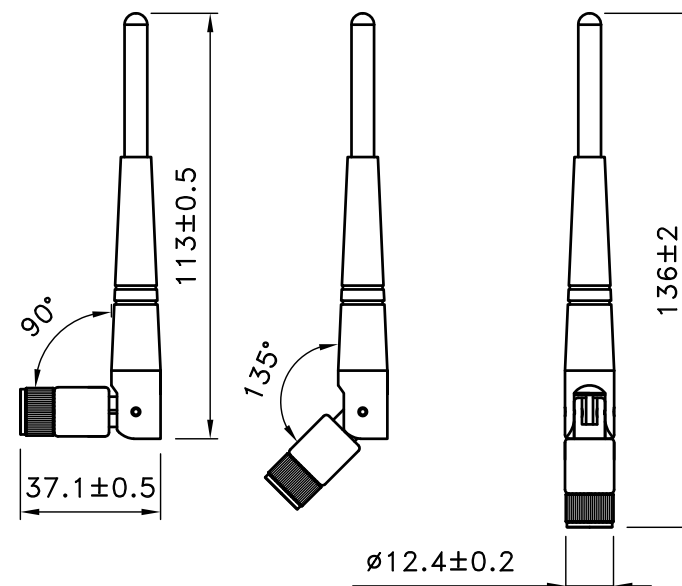
CONNECTOR TYPE: RP SMA MALE

ENVIRONMENTAL

STORAGE TEMPERATURE: -20°C~70°C

OPERATING TEMPERATURE: -20°C~70°C

8	1.13 CABLE	ASSY	BLACK	1
7	N0562	BRASS	NONE	1
6	N0564	BRASS	NONE	1
5	Y0408	TPEE	BLACK	1
4	Y0407	TPEE	BLACK	
3	Y0404	TPEE	BLACK	1
2	Y0384	ABS	BLACK	1
1	SMA-1067-11-RP-DGB	ASSY	BLACK	1
NO	DESCRIPTION	MATERIAL	FINISH	Q'ty



華耀科技有限公司
Hwa Yao Technologies co.,Ltd

NOTE	TOLERANCES	DRAWING NO. DA-DB-03RP-SMA-02	
1. STRIP ALL BURRS. 2. ALL DIMENSIONS ARE AFTER PLATING. 3. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN 0.1 T.I.R 4. CHAMFER 1ST & LAST THREADS 45° 5. BREAK ALL CONNERS & EDGES CO.15 MAX.	UNLESS OTHERWISE NOTED TOLERANCES	APPROVED	DRAWN DATE 11/28/14
	X=±0.3	CHECKED	SCALE 1:2
	0.X=±0.2	DRAWN	UNIT mm
	0.XX=±0.1	ALICE	

TITLE
2.4/5GHz DIPOLE ANTENNA 3dBi

DRAWING NO. DA-DB-03RP-SMA-02

APPROVED

CHECKED

DRAWN ALICE