

DUAL BAND 2.4/5GHz DIPOLE ANTENNA 3dBi RP-SMA(M) DA-DB-03IPEX-150

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
- Pubic 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	Σ Δ ^ ø
Horizontal Beam-with	360°
Impedance	50Ω
Connector	IPEX
Coaxial Cable	150mm 1.13 cable

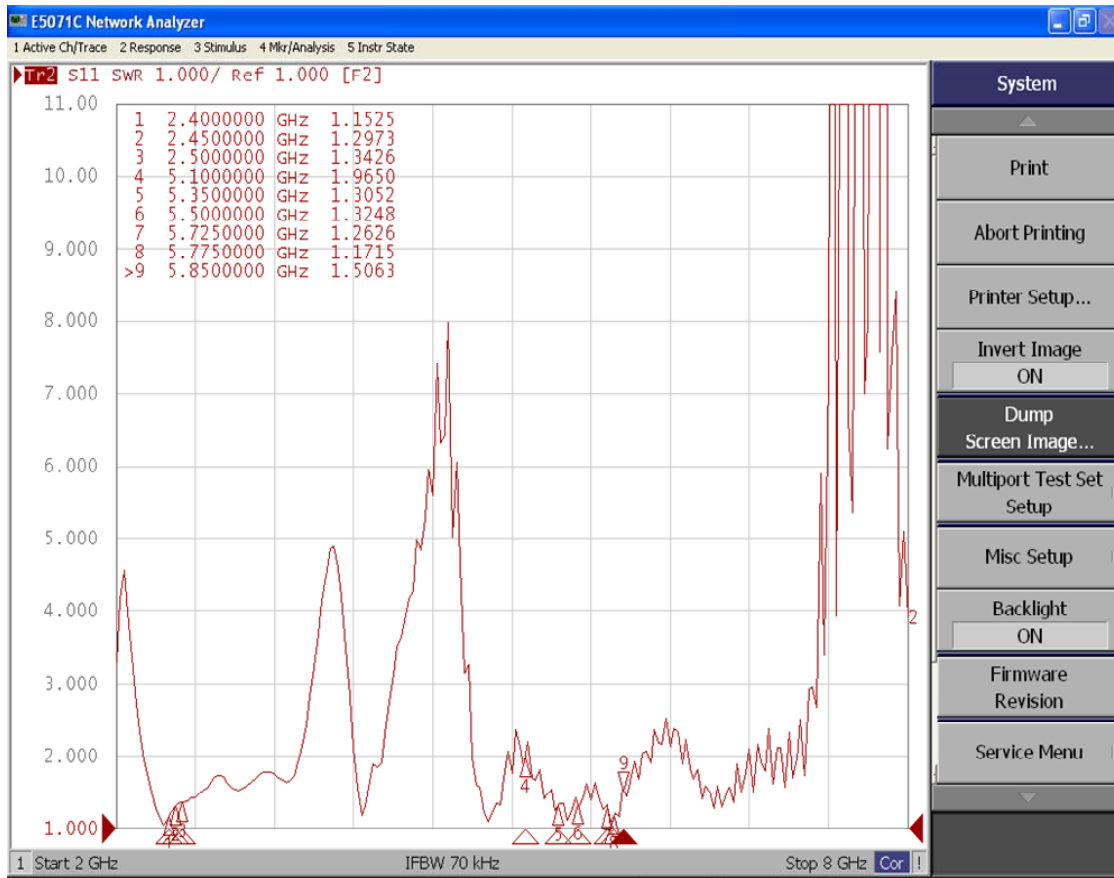
Mechanical Specifications

Dimension	13Gmm
Weight	8g
Housing	TPEE
Hinge	PC+PBT
Color	Black
Operating Temperature	-20°C to +70°C

Reliability Testing

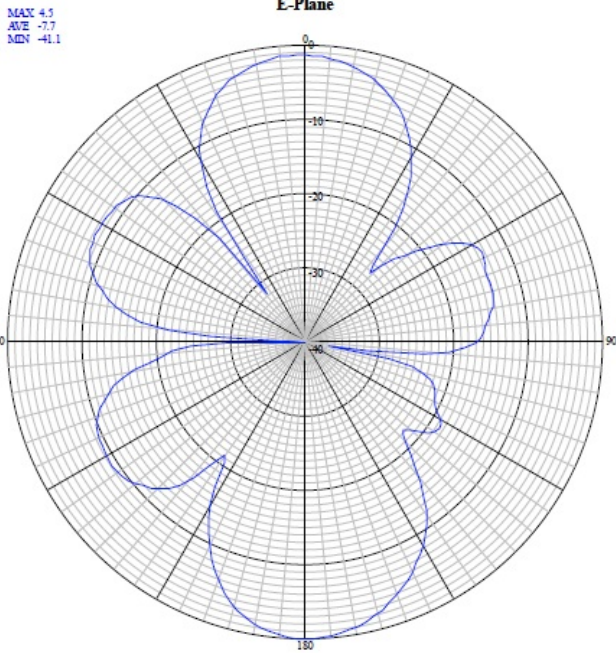
Test Item	Procedure	Requirement
Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
Damp Heat	24 hours at 60°C;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

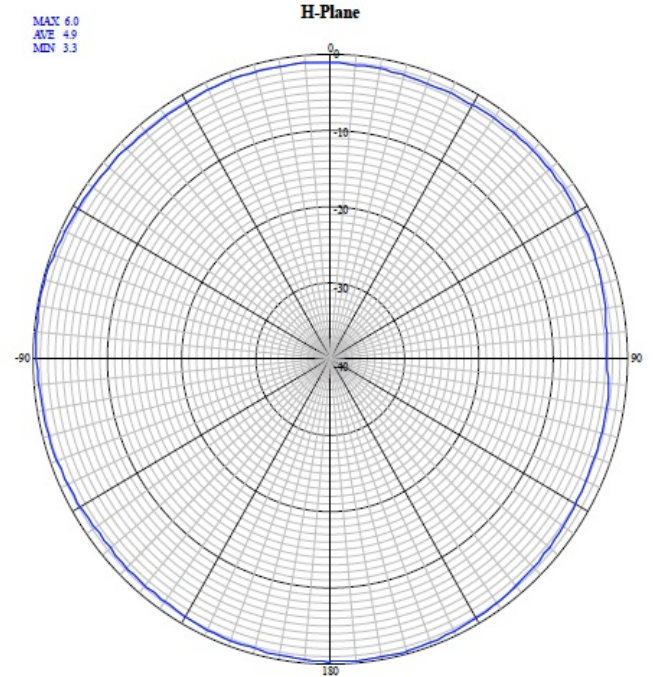


Antenna Vertical & Horizontal Pattern 2.4GHz

Vertical

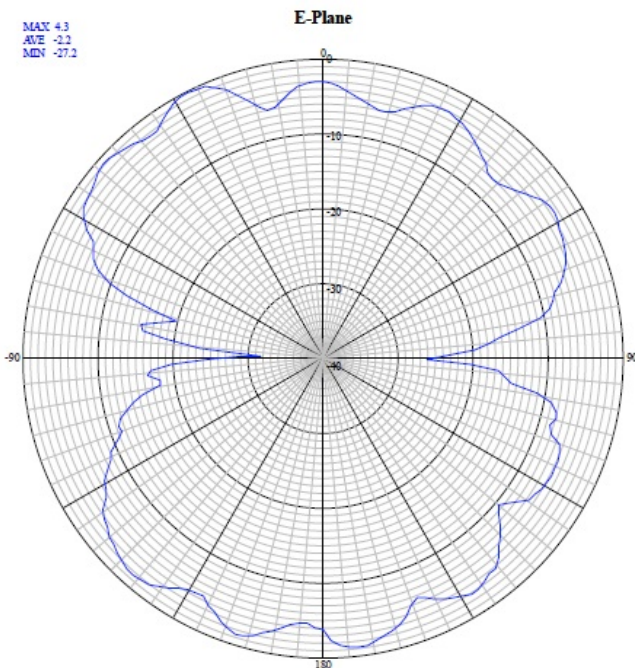


Horizontal

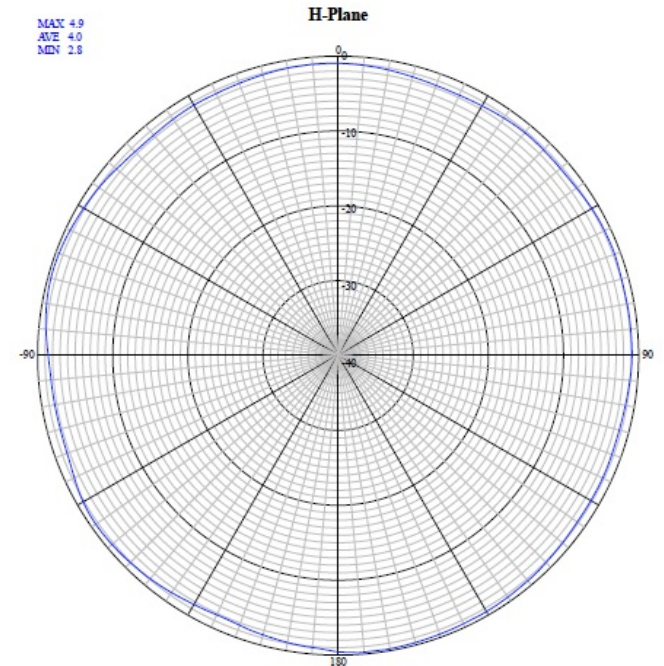


5.8GHz

Vertical



Horizontal



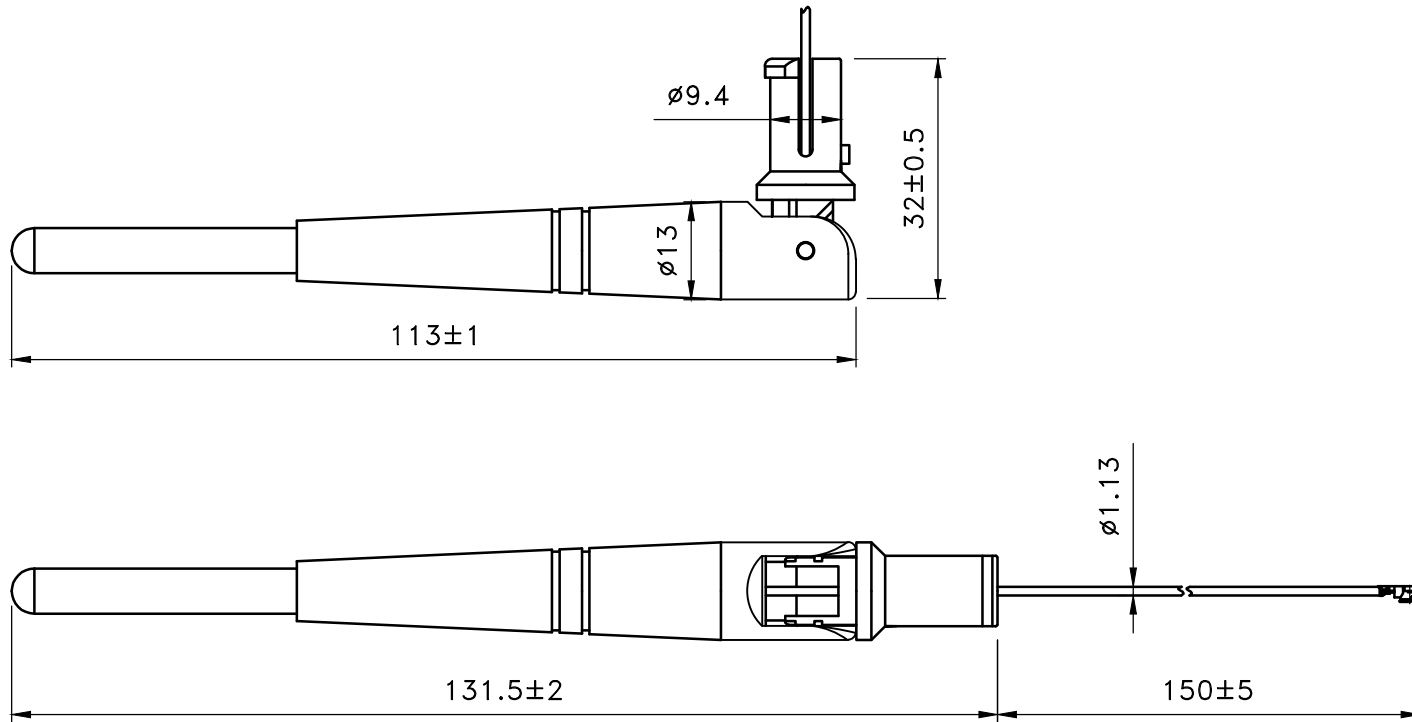
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REV	DATE	DESCRIPTION	DRAWN
▲			



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華耀科技有限公司
Hwa Yao Technologies co.,Ltd

TITLE 2.4/5GHz Dipole Antenna 3dB	
DRAWING NO. DA-DB-03IPEX-150	
APPROVED	DRAWN DATE 12/10/14
CHECKED	SCALE 1:1
DRAWN ALICE	UNIT mm

NOTE	DIMENSION
1. STRIP ALL BURRS.	UNLESS OTHERWISE NOTED TOLERANCES X=±0.3 0.X=±0.2 0.XX=±0.1
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.	

NO	DESCRIPTION	MATERIAL	FINISH	Q'ty
3	1.13 CABLE	ASSY	BLACK	1
2	IPEX	BRASS	GOLD	1
1	BODY	TPEE	BLACK	1

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