

DUAL BAND 2.4/5GHz DIPOLE ANTENNA 2dBi+with 150mm 1.13 cable ipex DA-DB-02IPEX-150-01

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 :

- 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

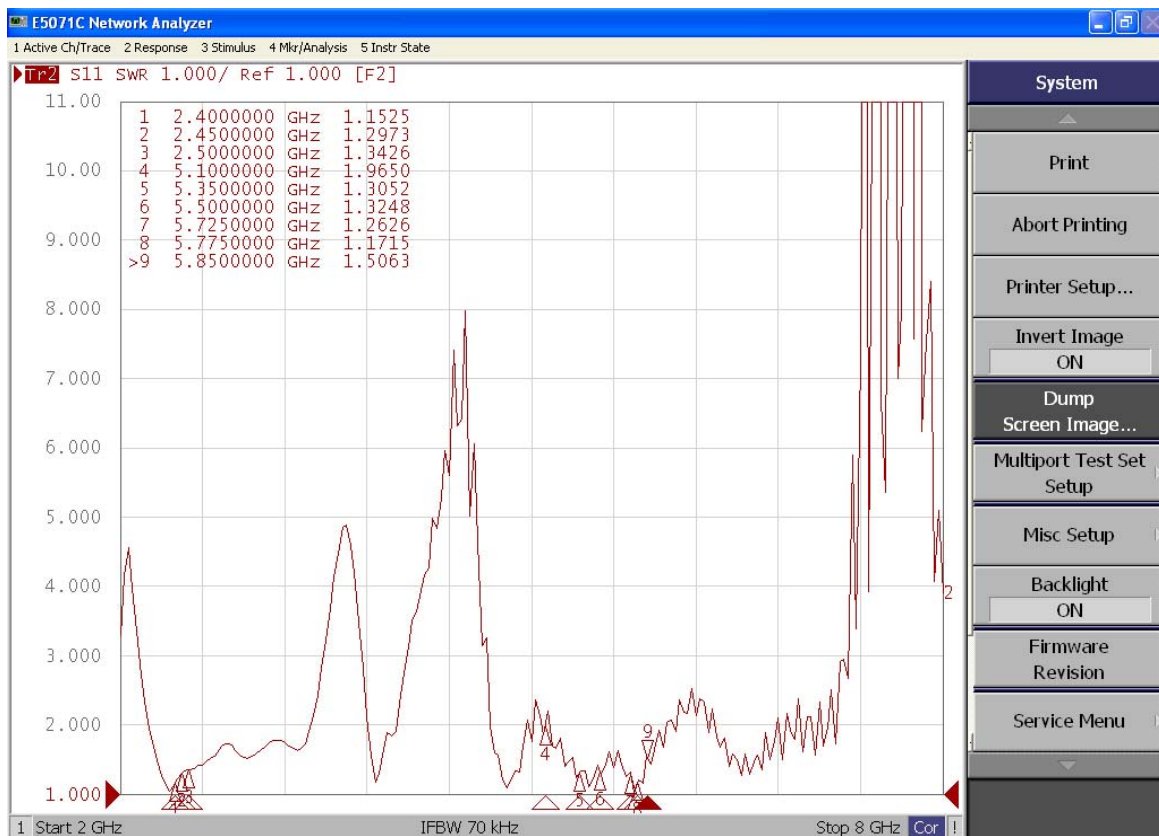
Frequency Range	2400~2500 MHz 5150~5850 MHz
V.S.W.R	≤2.0:1
Antenna Type	Dipole Sleeve
Gain	≥2.0 + 0.5dBi
Polarization	Linear
Horizontal Beam-with	360°
Impedance	50Ω
Connector	IPEX
Coaxial Cable	150mm 1.13 cable

Mechanical Specifications

Dimension	108mm
Weight	6g
Housing	ABS
Hinge	PC+PBT
Color	Black
Operating Temperature	-20℃ to +70℃
Storage Temperature	-20℃ to +70℃

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



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Gain

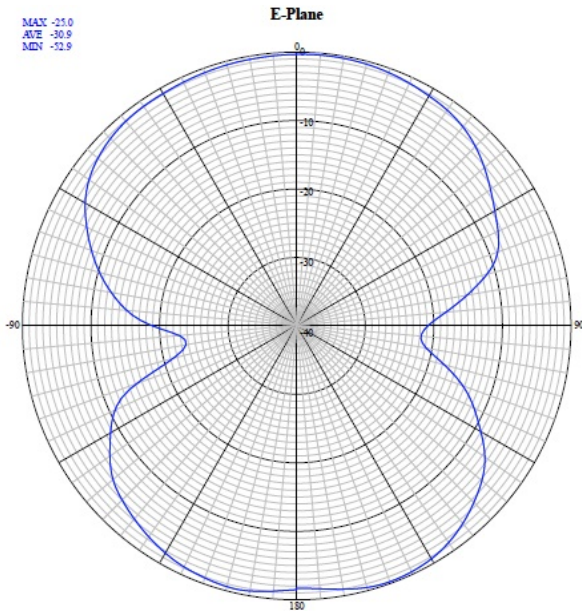
Frequency	Gain H-Plane	Gain E-Plane
2.4 GHz	4.2 dBi	3.4 dBi
2.45 GHz	3.9 dBi	3.2 dBi
2.5 GHz	3.0 dBi	3.0 dBi
5.15 GHz	2.1 dBi	3.4 dBi
5.35 GHz	2.2 dBi	2.6 dBi
5.825 GHz	2.6 dBi	3.4 dBi

Frequency	HPBW H-Plane	HPBW E-Plane
2.4 GHz	360.0 deg	84.6 deg
2.45 GHz	360.0 deg	104.4 deg
2.5 GHz	360.0 deg	111.6 deg
5.15 GHz	360.0 deg	68.3 deg
5.35 GHz	360.0 deg	82.8 deg
5.825 GHz	360.0 deg	64.7 deg

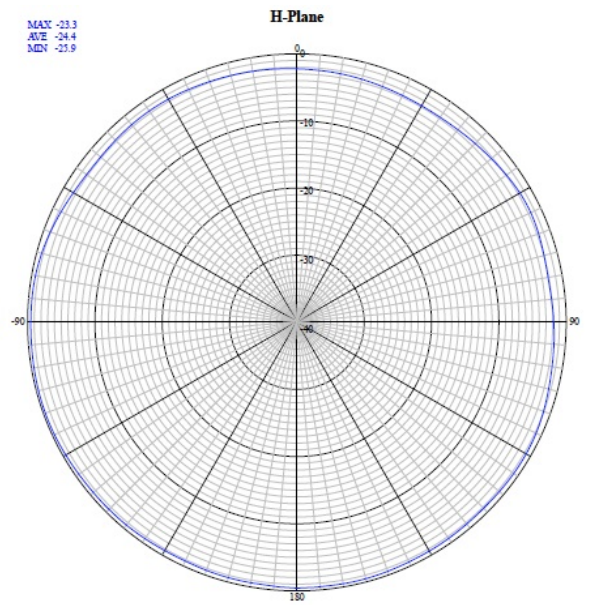
Antenna Vertical & Horizontal Pattern

2.4GHz

Vertical

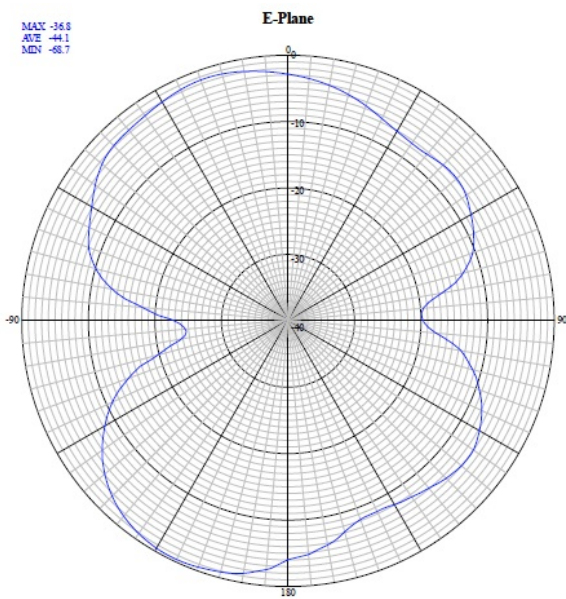


Horizontal

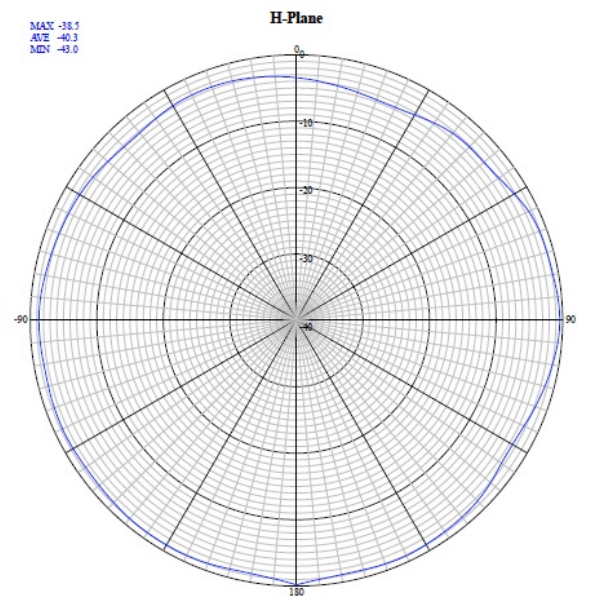


5GHz

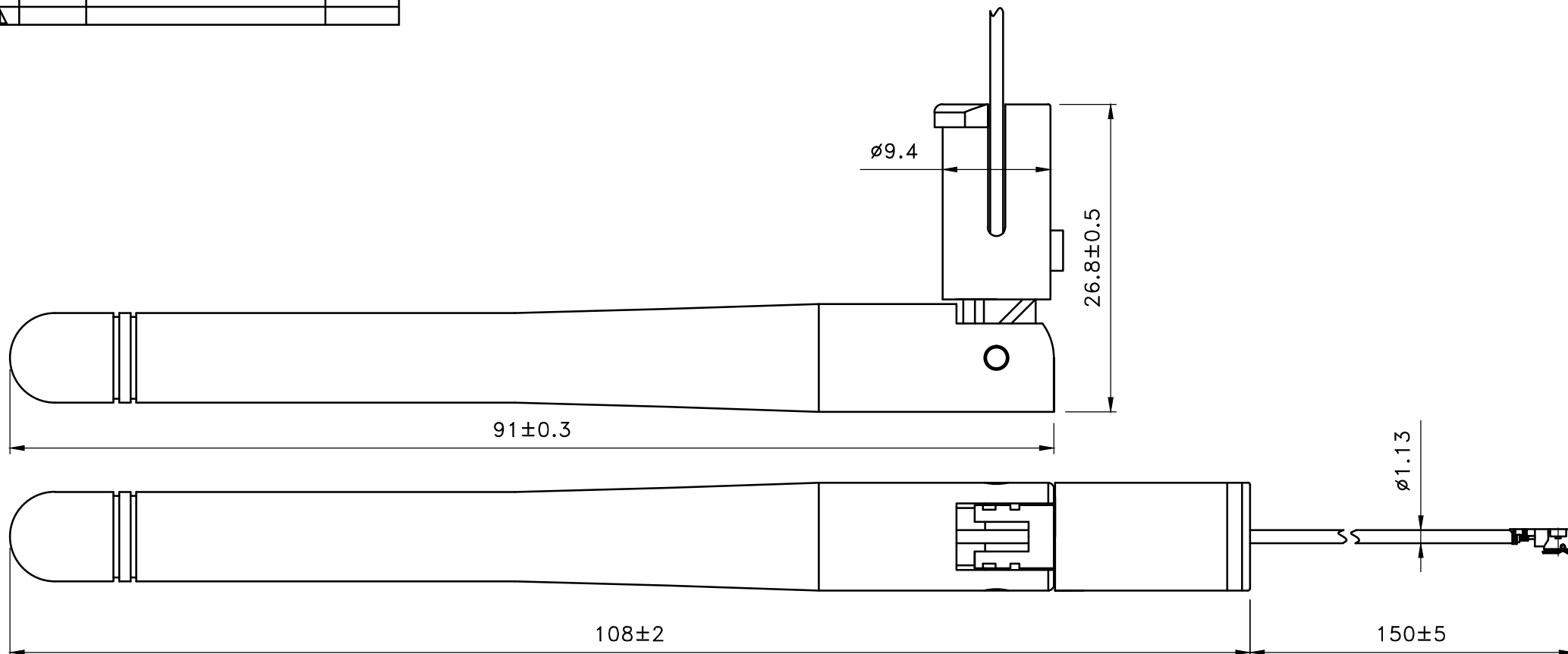
Vertical



Horizontal



REV	DATE	DESCRIPTION	DRAWN
△			



Prohibit re-circulating

NOTE:
 1.UNMARKED TOLERANCE REFER TO THE STANDARD TOLERANCE PLEASE
 2.TAKE * DIMENSION IS THE IMPORTANT DIMENSION

4	SHRINK TUBE	EVA	BLACK	1
3	1.13 CABLE	ASSY	BLACK	1
2	MMCX MALE R/A	BRASS	GOLD	1
1	BODY	ABS	BLACK	1
NO	DESCRIPTION	MATERIAL	FINISH	Q'ty



NOTE	DIMENSION
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 X=±0.3 0.X=±0.2 0.XX=±0.1

華耀科技有限公司 <i>Hwa Yao Technologies co.,Ltd</i>	
TITLE 2.4/5GHz Dipole Antenna 2dBi	
DRAWING NO. DA-DB-02IPEX-150-01	
APPROVED	DRAWN DATE 12/10/14
CHECKED	SCALE 2:1
DRAWN ALICE	UNIT mm

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