

5dBi 黑色雙頻天線 I-PEX1.37/L=15cm(2.4/5GHz) WLD1-IPEX-05-02

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
- Pubic 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	$\leq 2.0:1$
Antenna Type	Dipole Sleeve
Gain	2.4GHz $\geq 5.0 + 0.5\text{dBi}$ 5.0GHz $\leq 5.0 \pm 0.5\text{dBi}$
Polarization	Linear
Horizontal Beam-with	360°
Impedance	50Ω
Connector	IPEX
Coaxial Cable	150mm 1.37 cable

Mechanical Specifications

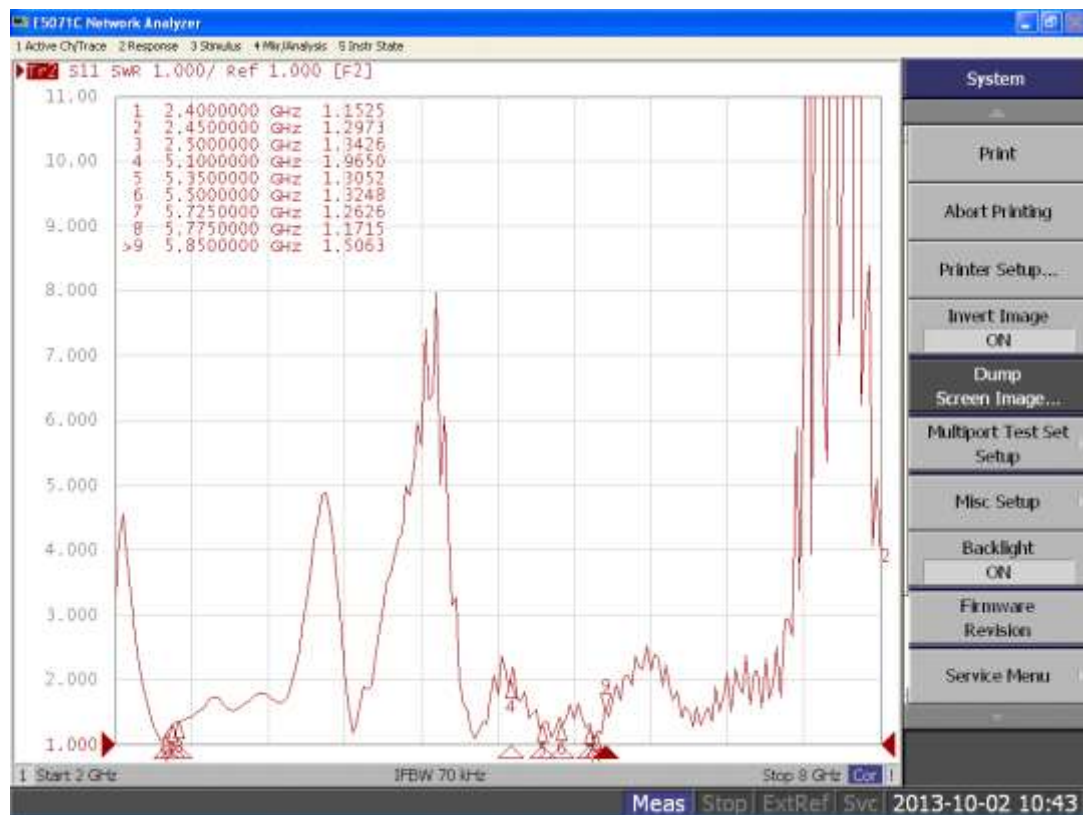
Dimension	191mm
Weight	20g
Housing	TPEE
Hinge	ABS
Color	Black
Operating Temperature	-20°C to +70 °C
Storage Temperature	-20°C to +70 °C

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

V.S.W.R.



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Antenna Gain

頻率	Gain H-Plane
2.400GHz	6.0 dBi
2.450 GHz	6.0 dBi
2.500 GHz	5.9 dBi
5.150 GHz	4.5 dBi
5.350 GHz	5.1 dBi
5.825 GHz	4.9 dBi

頻率	HPBW H-Plane	HPBW E-Plane
2.4 GHz	360.0 deg	30.6 deg
2.45 GHz	360.0 deg	35.2 deg
2.5 GHz	360.0 deg	35.3 deg
5.15 GHz	360.0 deg	26.5 deg
5.35 GHz	360.0 deg	26.7 deg
5.825 GHz	360.0 deg	43.2 deg



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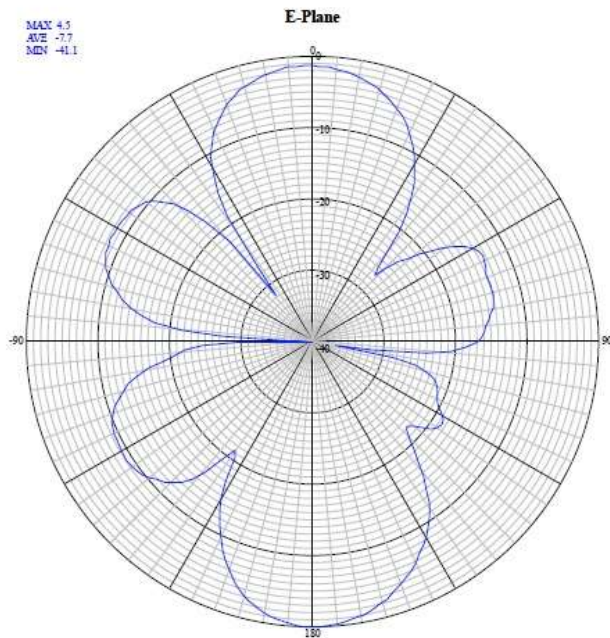
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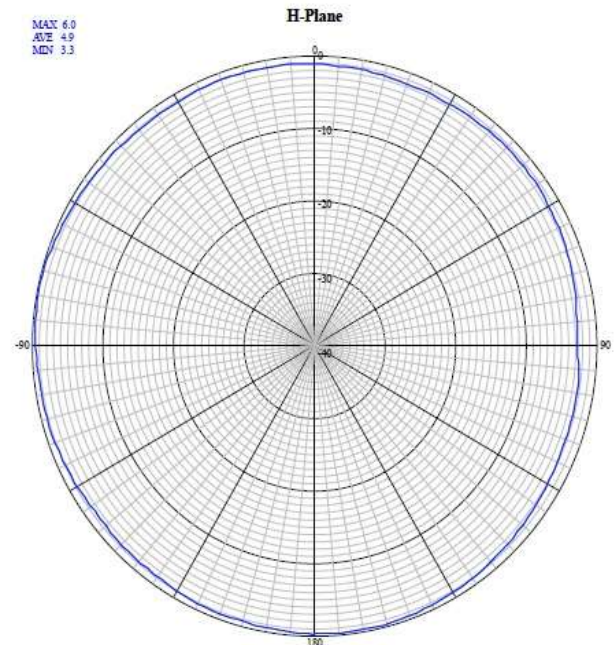
Antenna Vertical & Horizontal Pattern

2.4GHz

Vertical

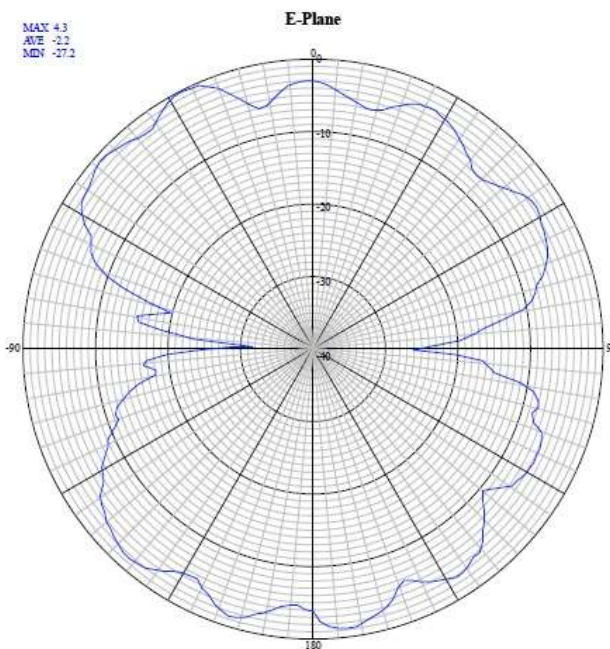


Horizontal

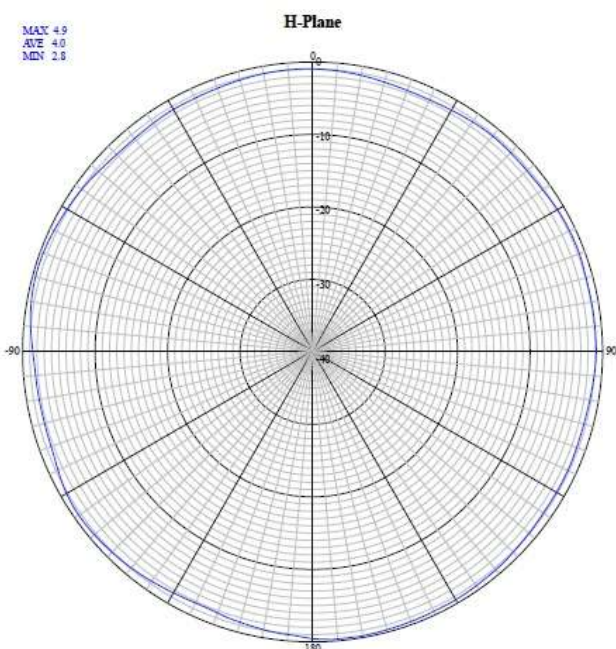


5.0GHz

Vertical



Horizontal

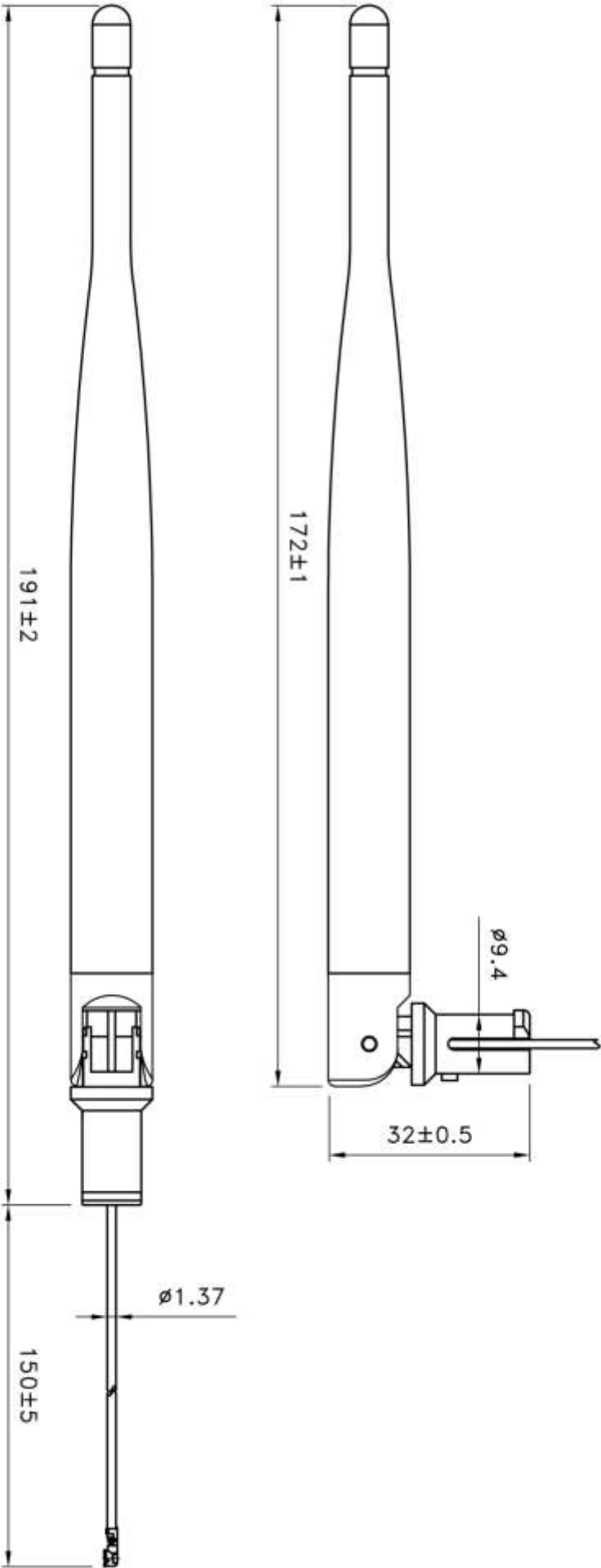


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REV	DATE	DESCRIPTION	DRAWN
A			



Prohibit re-circulating



台灣威海尼可

NOTE

1. STRIP ALL BURRS.
2. ALL DIMENSIONS ARE AFTER PLATING.
3. DIAMETERS ON COMMON CENTERS.
4. CHAMFER 1ST & LAST THREADS 45°.
5. BREAK ALL CORNERS & EDGES CO.15 MAX.

DIMENSION

UNLESS OTHERWISE NOTED TOLERANCES

X=±0.3

0.X=±0.2

0.XX=±0.1

3	1.37 CABLE	ASSY	BLACK	1
2	IPEX	BRASS	GOLD	1
1	BODY	TPEE	BLACK	1
NO	DESCRIPTION	MATERIAL	FINISH	Q'ty

TITLE	5dBi黑色雙頻天線I-PEX1.37(2.4/5GHz)
DRAWING NO.	WLD1-IPEX-05-02
APPROVED	
CHECKED	
DRAWN	ALICE
SCALE	1:1
UNIT	mm

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