

2dBi 黑色雙頻天線 (2.4/5GHz)

WLD1-5024-02-03

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	$\geq 2.0 + 0.5\text{dBi}$
Polarization	Linear
Horizontal Beam-width	360°
Impedance	50Ω
Connector	RP SMA MALE

Mechanical Specifications

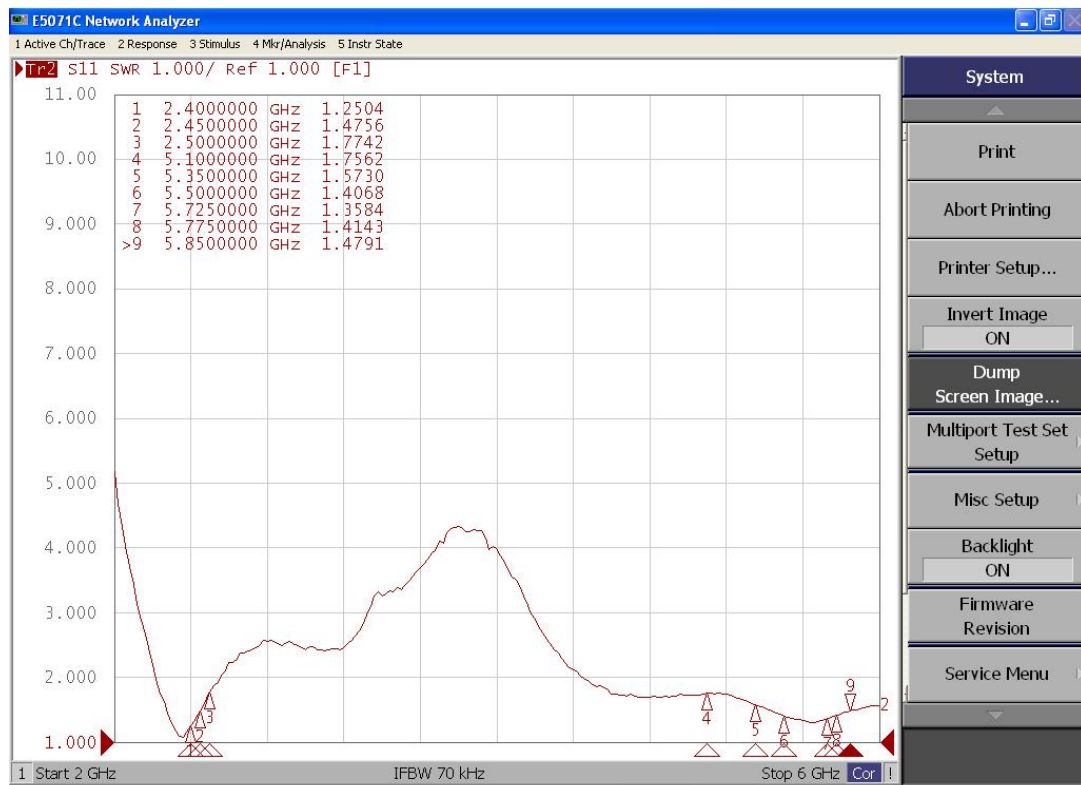
Dimension	108.8mm
Weight	7.5g
Housing	ABS
Hinge	ABS
Color	Black
Operating Temperature	-20°C to +70 °C
Storage Temperature	-20°C to +70 °C

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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歲海尼可網路科技有限公司

WEB: <http://www.wifi-link.com.tw/> TEL: 06-2523801 FAX: 06-2526033

Antenna Gain

頻率	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

頻率	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



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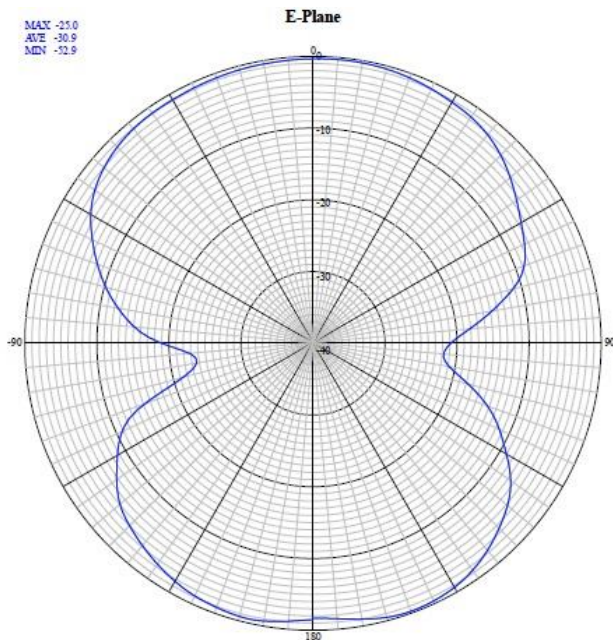
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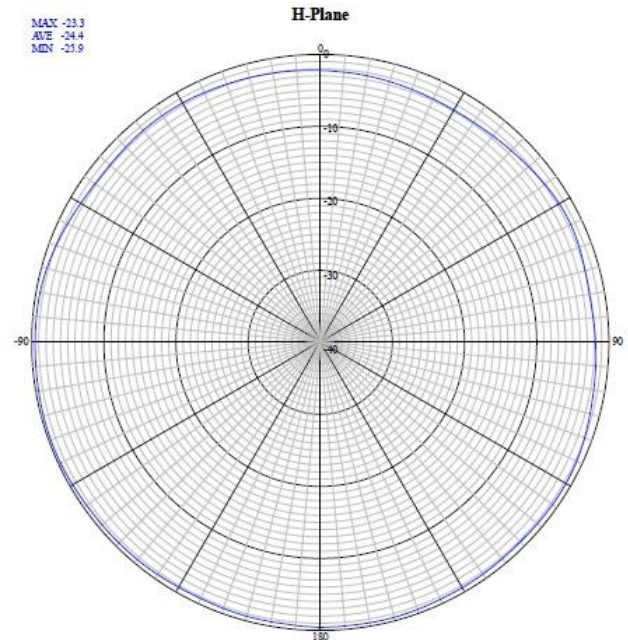
Antenna Vertical & Horizontal Pattern

2.4GHz

Vertical

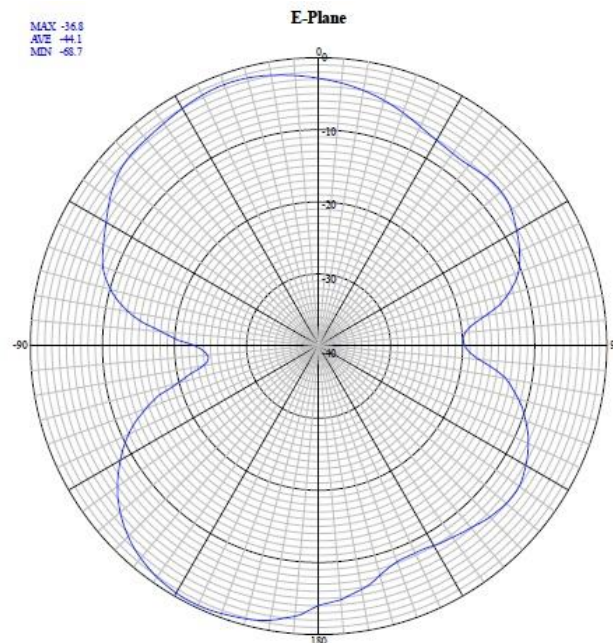


Horizontal

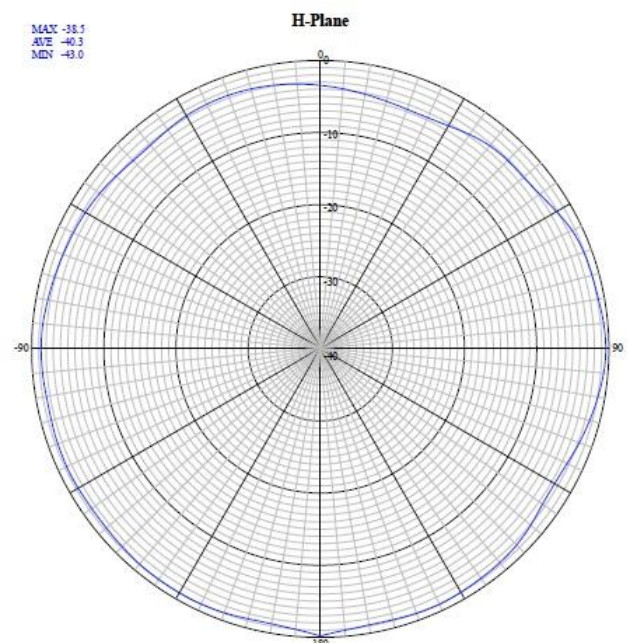


5.0GHz

Vertical



Horizontal

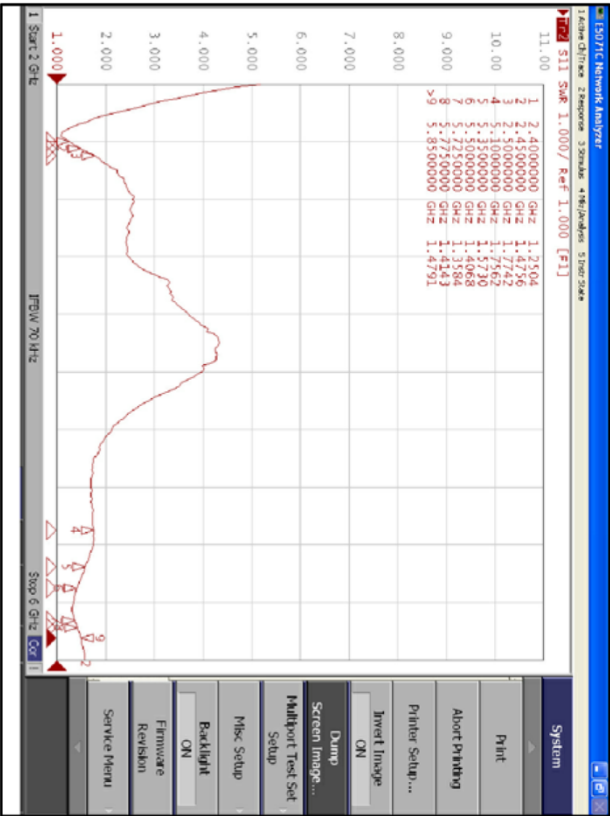


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REV	DATE	DESCRIPTION	DRAWN
A			



ELECTRIC

S.W.R.: 2.4GHz ≤2.0
5 GHz ≤2.0
GAIN: 2.0+0.5 dBi
IMPEDANCE: 50 Ω

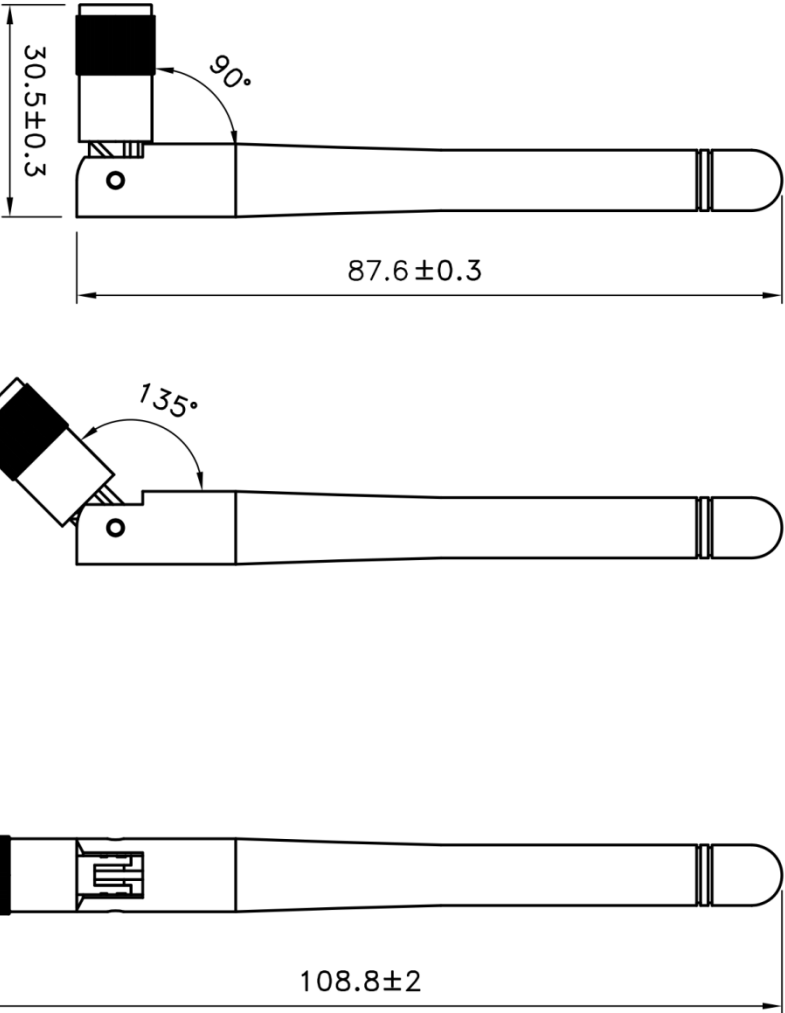
MATERIAL

MATERIAL OF RADIATOR: BRASS
CONNECTOR TYPE: RP SMA MALE

ENVIRONMENTAL

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

6	1.13 CABLE	ASSY	BLACK	1
5	N0563	BRASS	NONE	1
4	N0561	BRASS	NONE	1
3	Y0392	ABS	BLACK	1
2	Y0383	ABS	BLACK	1
1	SMA-1067-10-RP-DGB	ASSY	BLACK	1
NO	DESCRIPTION	MATERIAL	FINISH	Q'ty



NOTE	TOLERANCES
1.STRIP ALL BURRS. 2.ALL DIMENSIONS ARE AFTER PLATING. 3.DIMETERS ON COMMON CENTERS. TO BE CONCENTRIC WITHIN 0.1 T.I.R 4.CHAMFER 1ST & LAST DIECASTS 45° 5.BREAK ALL CORNERS & EDGES CO.15 MAX.	UNLESS OTHERWISE NOTED TOLERANCES X=±0.3 0.X=±0.2 0.XX=±0.1

 WIFI-Link™ 台灣威海尼可	
TITLE	2dBi 黑色雙頻天線 (2.4/5GHz)
DRAWING NO.	WLD1-5024-02-03
APPROVED	DRAWN DATE 09/30/14
CHECKED	SCALE 1:1
DRAWN	UNIT mm
ALICE	