

3dBi 黑色雙頻天線 (2.4/5GHz)

WLD1-5024-03-01

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
- 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	Collinear
Gain	3.0 ± 0.5dBi
Polarization	Vertical
Horizontal Beam-width	360°
Impedance	50Ω
Connector	RP SMA MALE

Mechanical Specifications

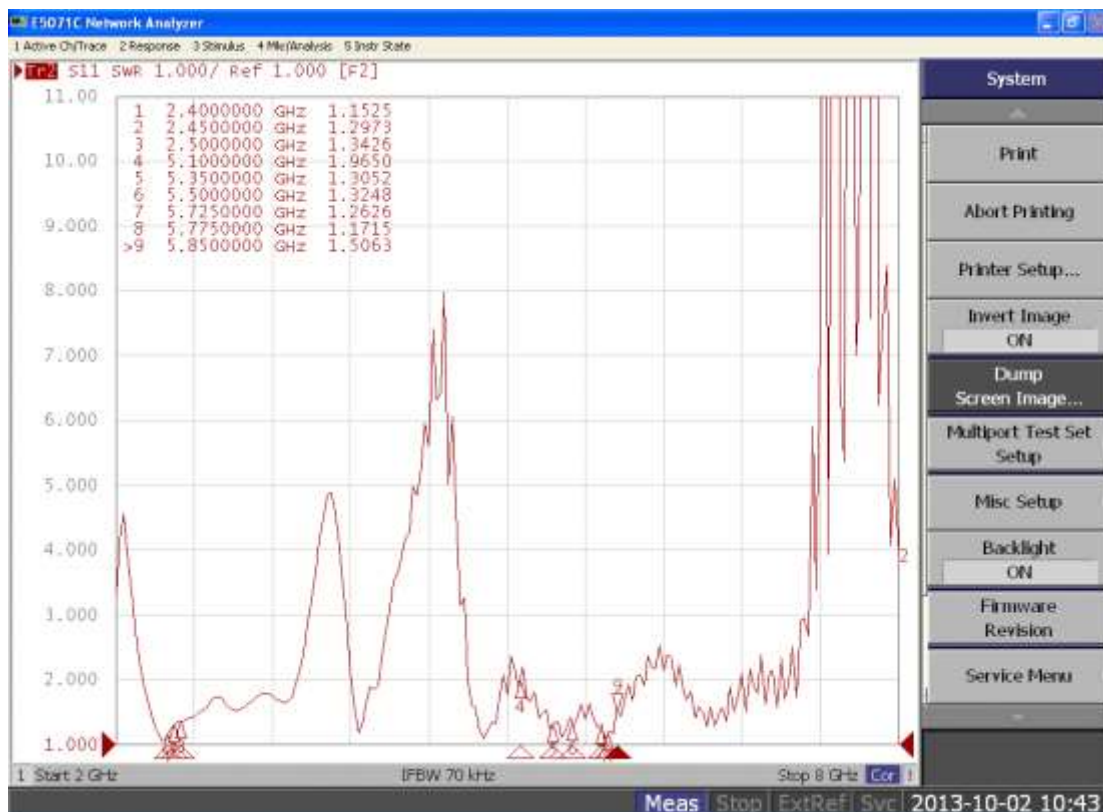
Dimension	136 mm
Weight	14.5g
Housing	TPEE
Hinge	ABS
Color	Black
Operating Temperature	-20℃ to +70℃

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.: < $\pm 5\%$
Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1.no visible damage 2. Freq. Tol. : < $\pm 5\%$
Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < $\pm 5\%$

Testing Report

V.S.W.R.



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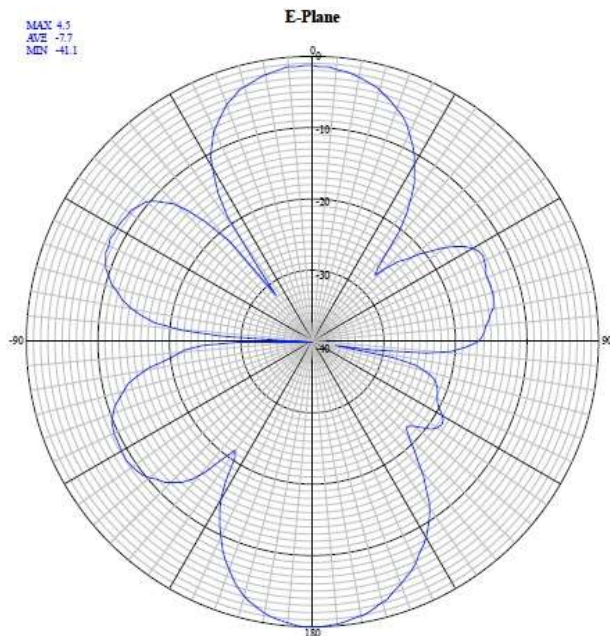
歲海尼可網路科技有限公司

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

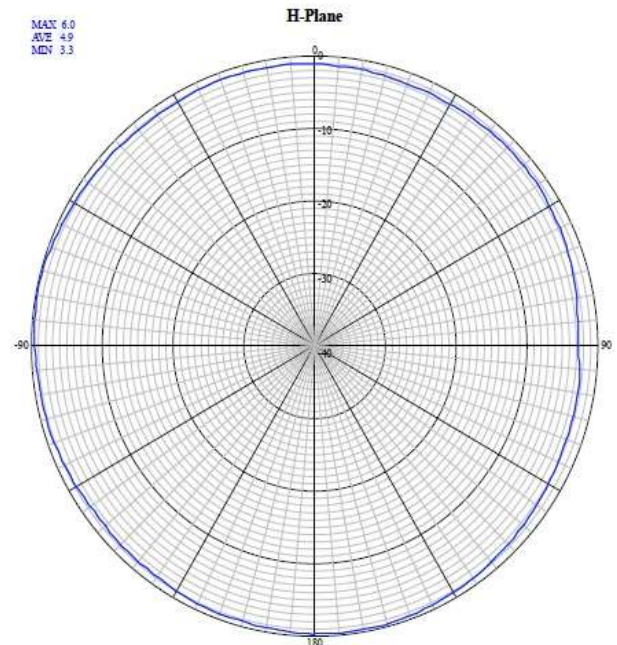
Antenna Vertical & Horizontal Pattern

2.4GHz

Vertical

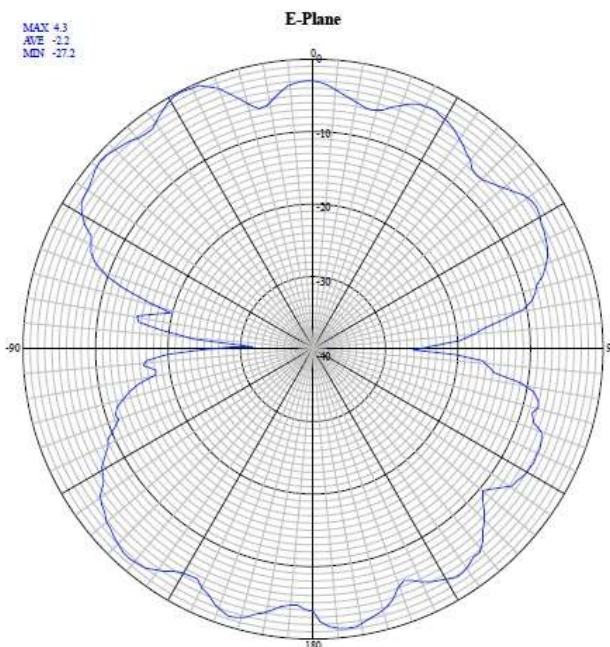


Horizontal

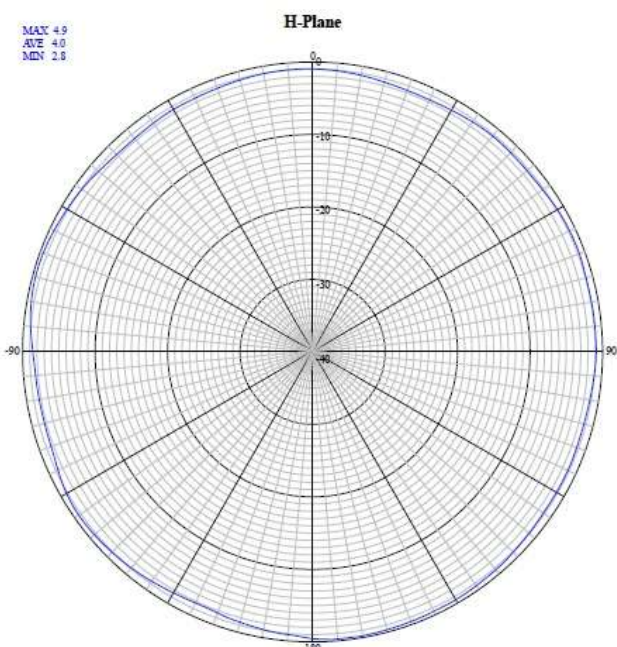


5.0GHz

Vertical



Horizontal

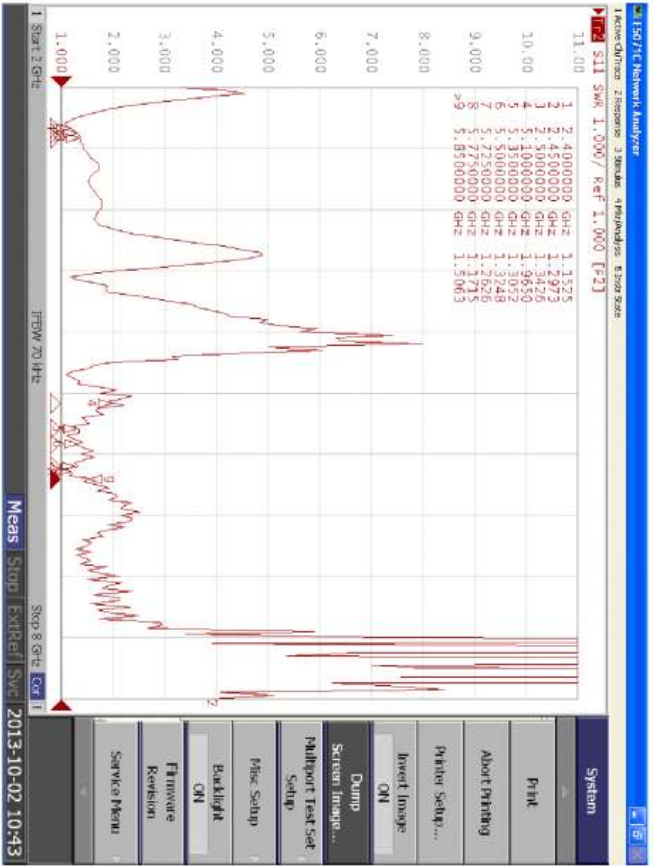


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REV	DATE	DESCRIPTION	DRAWN
A			

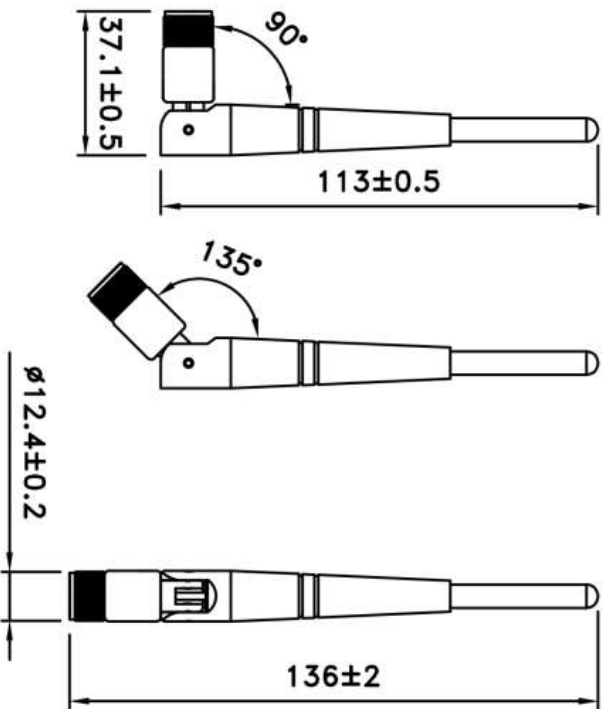


ELECTRIC
S.W.R.: $2.4\text{GHz} \leq 2.0$
5 GHz ≤ 2.0
GAIN: 3.0 ± 0.5 dBi
IMPEDANCE: 50 Ω

MATERIAL
MATERIAL OF RADIATOR: BRASS
CONNECTOR TYPE: RP SMA MALE

ENVIRONMENTAL
STORAGE TEMPERATURE: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
OPERATING TEMPERATURE: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$

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



NOTE	TOLERANCES	TITLE
1. STRIP ALL BURRS. 2. ALL DIMENSIONS ARE AFTER PLATING. 3. DIAMETERS ON COMMON CENTERS. 4. CHAMFER 1ST & LAST THREADS. 5. BREAK ALL CORNERS & EDGES CO.15 MAX.	UNLESS OTHERWISE NOTED TOLERANCES X = ± 0.3 0.X = ± 0.2 0.XX = ± 0.1	3dBi 黑色雙頻天線 (2.4/5GHz)
DRAWING NO. WLD1-5024-03-01	APPROVED	DRAWN DATE 11/28/14
CHECKED	SCALE 1:2	DRAWN ALICE
		UNIT mm

