

Hwa Yao Technologies Co., Ltd

RoHS 

2.4GHz Dipole Antenna 2dBi RP-SMA(M) DA-2450-02-12

APPLICATIONS AND FEATURES

Applications:

- 2.4~2.5 GHz Applications
- IEEE 802.11b, 802.11g, 802.11n Wireless LAN
- Public Wireless Hotspot
- Directional and multipoint applications
- Wi-Fi, RFID
- Wireless Video Systems
- Bluetooth

Features :

- RoHS Compliant
- The Weight is light
- Heavy Duty mounting
- Superior Performance
- Good appearance design



SPECIFICATIONS:

Electrical Specifications & Mechanical Specifications

Frequency Range	2400~2500MHz
V.S.W.R	$\leq 2.0:1$
Antenna Type	Collinear
Gain	2dBi ± 0.5 dBi
Horizontal Beam-with	360°
Impedance	50 Ω
Connector	RP SMA MALE
Dimension	Ø 10x75mm
Weight	12g
Radome Material	Black ABS
Operating Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

HWayaOTEK

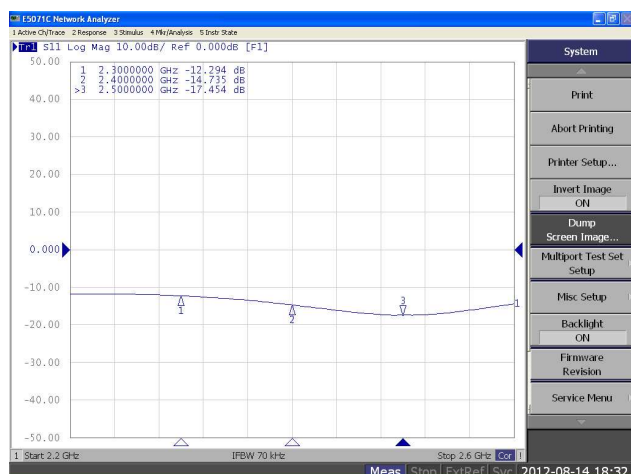
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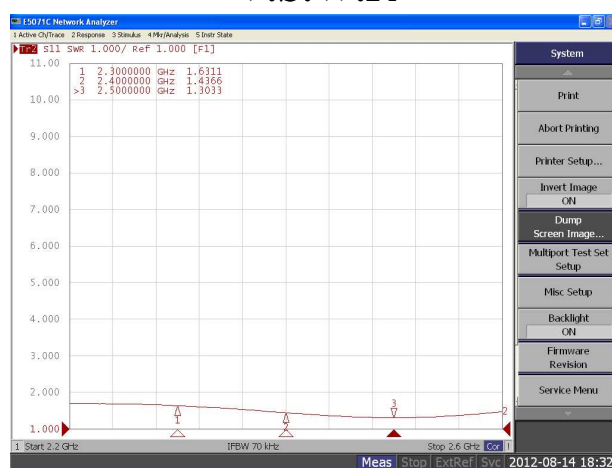
Test Item	Procedure Requirement	Procedure Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40℃ (30minutes) to 90℃ (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60℃; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90℃	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

TESTING REPORT

Return Loss

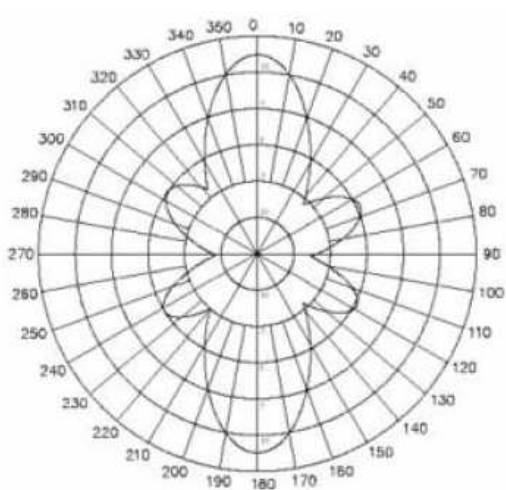


V.S.W.R

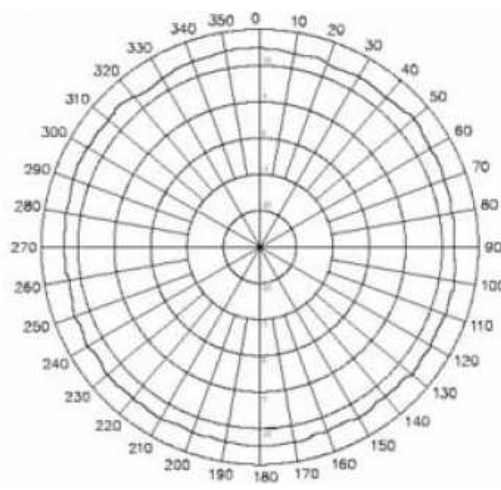


Antenna Vertical & Horizontal Pattern

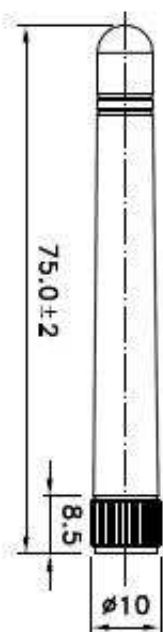
Vertical



Horizontal



REV	DATE	DESCRIPTION	DRAWN
1			



NOTE:
1.COLOR:BLACK
2.CONNECTOR:RP SMA MALE

<p>NOTE</p> <p>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 0.15 MAX.</p>		<p>DIMENSION</p> <p>UNLESS OTHERWISE NOTED TOLERANCES</p> <p>X = ±0.3 0.X = ±0.2 0.XX = ±0.1</p>	
<p>TITLE</p> <p>2.4GHz Dipole Antenna 2dBI</p>		<p>DRAWING NO.</p> <p>DA-2450-02-12</p>	
<p>APPROVED</p>		<p>DRAWN DATE</p> <p>08/07/12</p>	
<p>CH-CKED</p>		<p>SCALE</p> <p>1:1</p>	
<p>DRAWN</p> <p>ALICE</p>		<p>UNIT</p> <p>mm</p>	

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