

DUAL BAND 2.4/5GHz DIPOLE ANTENNA 5dBi

DA-DB-05RP-SMA-10

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
- ☞ 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

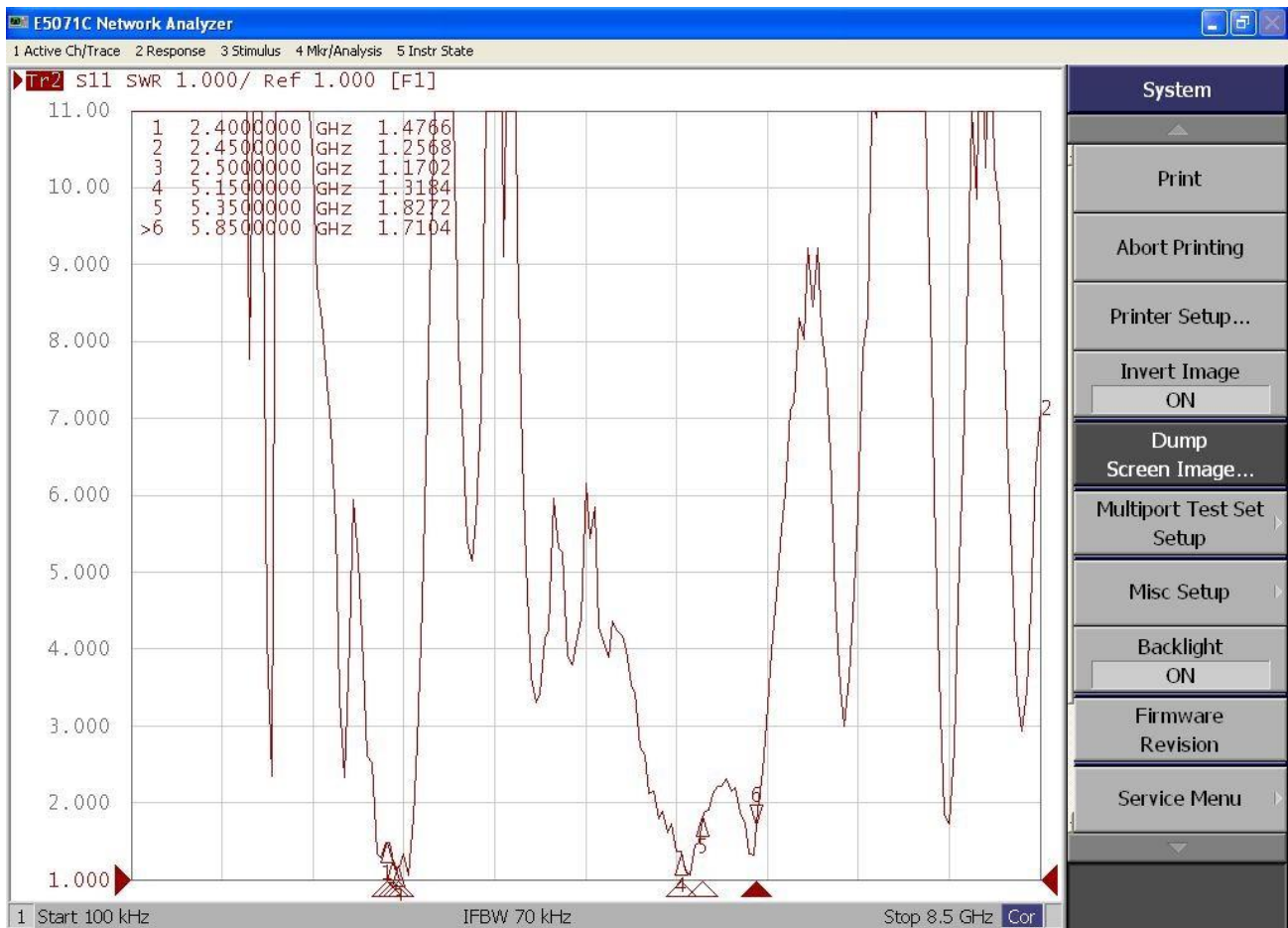
| | |
|----------------------|---------------------------------|
| Frequency Range | 2400~2500 MHz 5150~5850 MHz |
| V.S.W.R | ≤2.0:1 |
| Antenna Type | PCB |
| Gain | 2.4GHz 2.0 dBi 5 GHz 5.0 dBi |
| Polarization | Linear |
| Horizontal Beam-with | 360° |
| Impedance | 50Ω |
| Connector | RP SMA MALE |

Mechanical Specifications

| | |
|-----------------------|-----------------|
| Dimension | 162mm |
| Weight | 19g |
| Housing | ABS |
| Hinge | ABS |
| Color | Black |
| Operating Temperature | -20°C to +65 °C |
| Storage Temperature | -30°C to +75 °C |

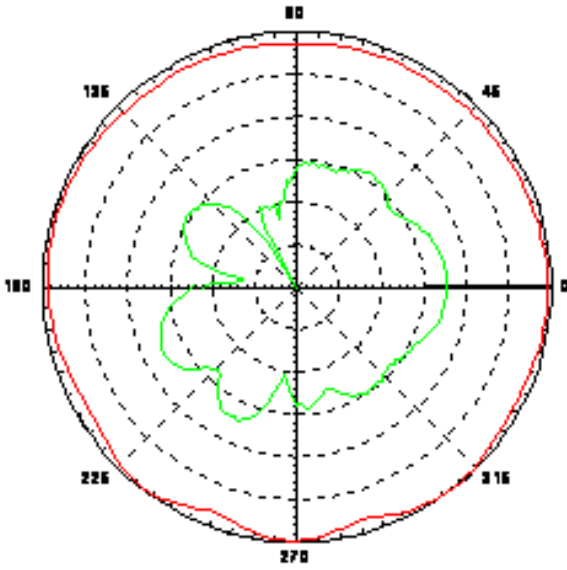
| Test Item | Procedure | Requirement |
|---------------------------------------|---|---|
| Visual inspection and Dimension Check | Applicable methods using x5 magnification | follow specification |
| Rapid Changing of Temperature | -40°C (30minutes) to 90°C (30minutes); 24 cycles | After 2 hours recovery: 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

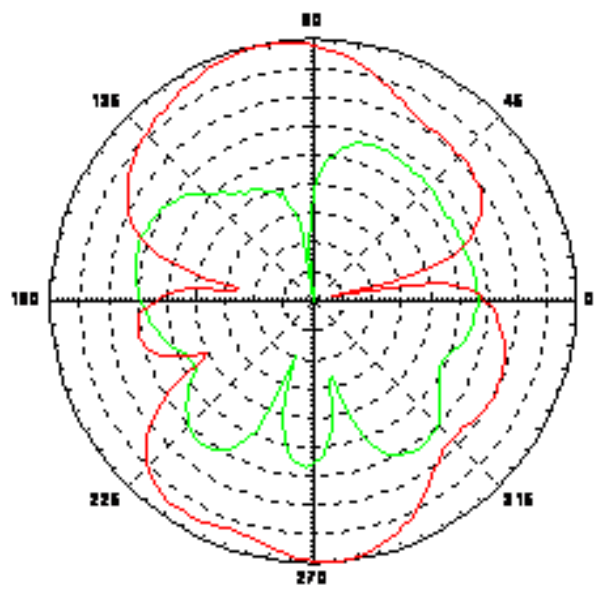


2.45GHz

H-plane

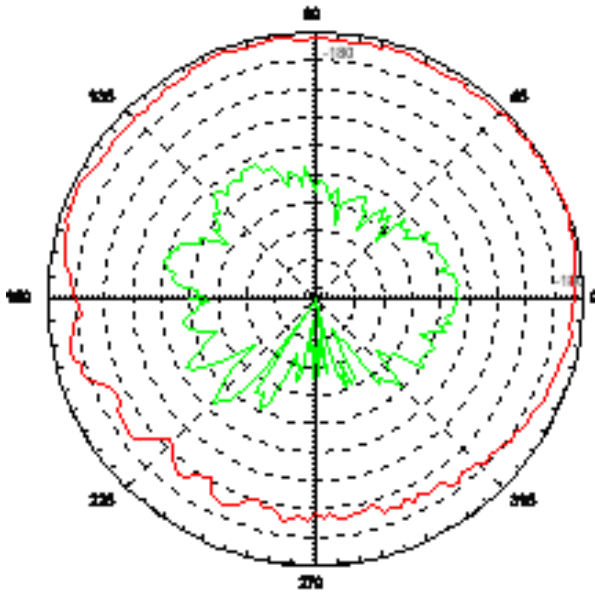


E-plane



5GHz

H-plane



E-plane

