



5.1GHz – 5.9GHz 12dBi Mesh Omni-Directional Antenna

APPLICATIONS AND FEATURES

Applications:

- 5.1 ~ 5.9GHz Applications
- 5.8 GHz UNII/ISM Band Application
- IEEE 802.11a
- Directional and multipoint applications
- Wi-Max, CDMA,
- Public Wireless Hotspot
- Wireless LAN systems
- Frequency Ultra-wide
- 802.11a WiFi Networks
- 802.16 WiMAX Networks
- Streaming Wireless Video
- Public Wireless Hotspots
- Campus, Corporate facility, or Government Networks
- Wireless Internet Service Provider (WISP) Deployments
- Base Stations
- Repeater & Bridges
- Any 360° Point to MultiPoint Application

SPECIFICATIONS:

Electrical Specifications

Frequency Range	5100 – 5900 MHz
V.S.W.R	1.5
Return Loss	-12db
Antenna Type	Collinea
Gain	12dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-with	12 °
Horizontal Beam-with	360 °
Impedance	50 Ohm
Connector	N-Male

Mechanical Specifications

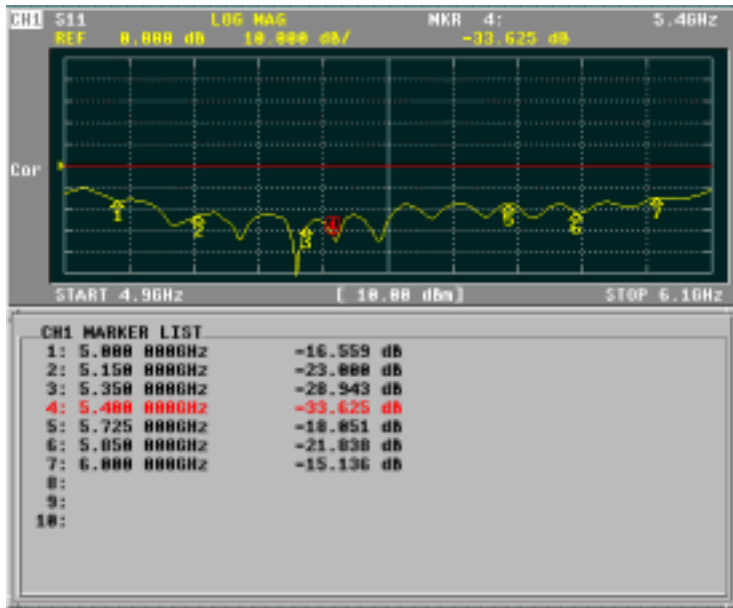
Length	570mm
Diameter	17mm
Weight	380g
Wind Survival	> 150 MPH
Radome Material	White Fiberglass
Operating Temperature	- 40 to + 80
Mounting	20 – 23mm
RoHS Compliant	Yes



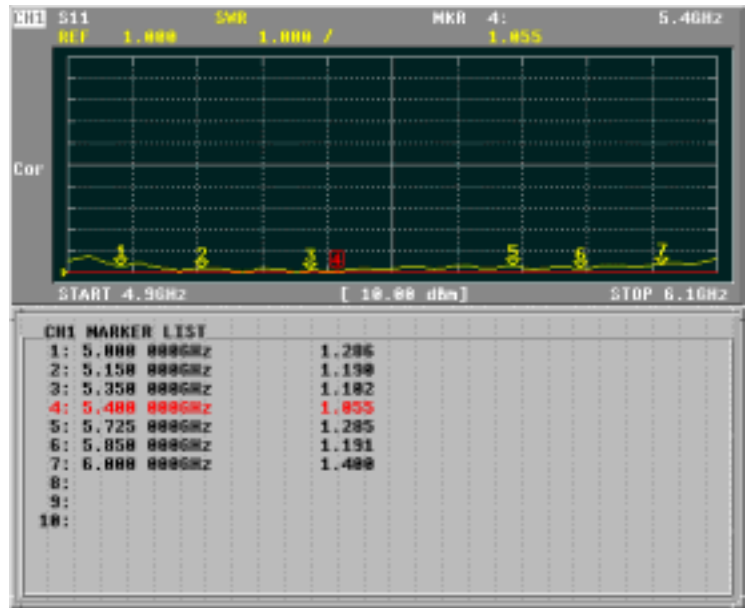
OA-515912S Test Report

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Return loss & V.S.W.R

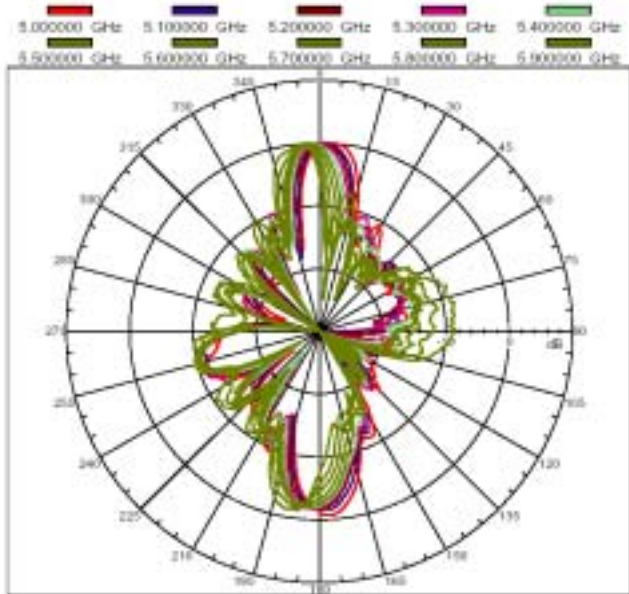


Return loss



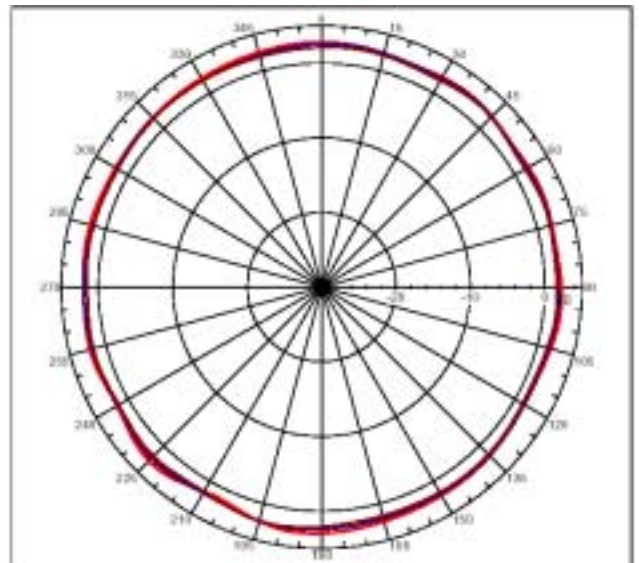
V.S.W.R

Antenna Vertical & Horizontal Pattern



Vertical

E-plane co-pol ----- 3-dB beam-with=12 Deg



Horizontal

H-plane co-pol ----- 3-dB beam-with=360 Deg



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