

AOA-5812

5.1~5.9GHz 12dBi Omni Antenna

AOA-5812 antennas are professionally engineered and manufactured with the highest industry quality at the lowest possible price providing extreme value.

AOA-5812 is designed for the 5.8GHz ISM band, supporting 5.1 to 5.9 GHz and provides superb performance in IEEE 802.11a WiFi applications.

AOA-5812 includes mounting bracket and hardware for up to 2" OD masts. Made with fiberglass

Applications:

5.1 – 5.9 GHz ISM Band
5.3 GHz Band Applications
5.4 GHz Band Applications
5.8GHz UNII applications
IEEE 802.11a Wireless LAN
Unlicensed European 5.4 GHz Band Applications
5.8 GHz Wireless Video Systems
WiMAX Technology

Features:

Superior performance
Light weight
All weather operation
DC Short lightning protection
Installed for vertical
Includes tilt and swivel mast mount
Frequency Ultra-wide
Can be installed for either vertical or horizontal polarization
RoHS Compliant



Model	AOA-5812
Frequency	5.1-5.9GHz
VSWR	≤ 1.5
Gain	12dBi
Polarization	Vertical
Power Handling	50 Watts
Impedance	50 Ω
Beam Width	H: 360° / V: 10°
Connector	N Female
Operation Temp	-40°C ~ +80°C
Dimension	570*68 mm
Mounting	32 ~ 45 mm (1.2 ~1.75 inch)
Weight	390g

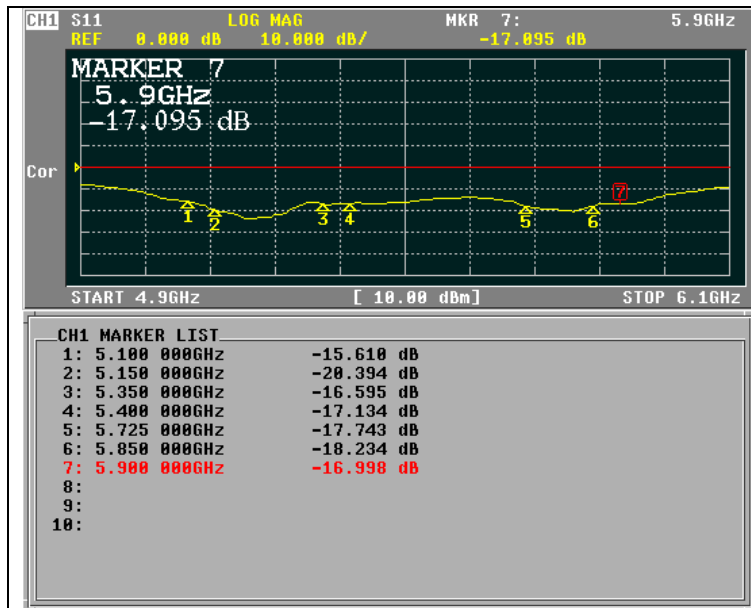
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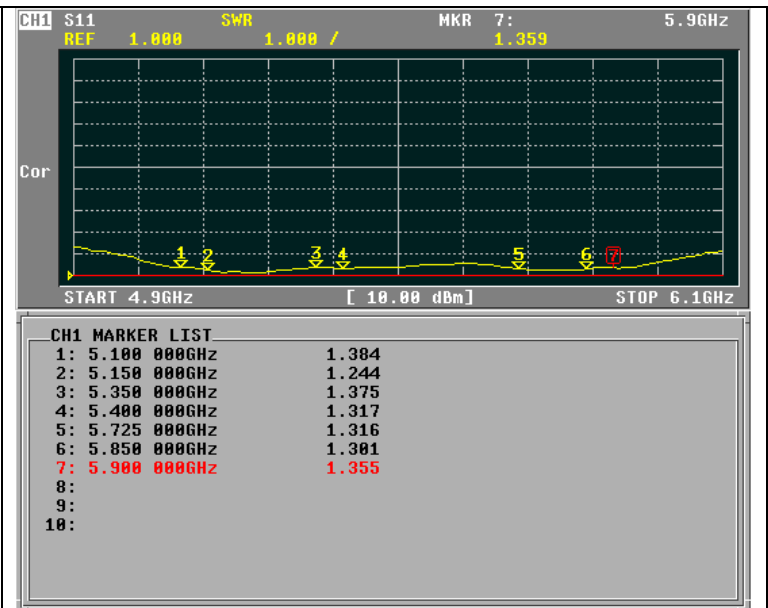
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Network Analyzer Test Report



Return loss

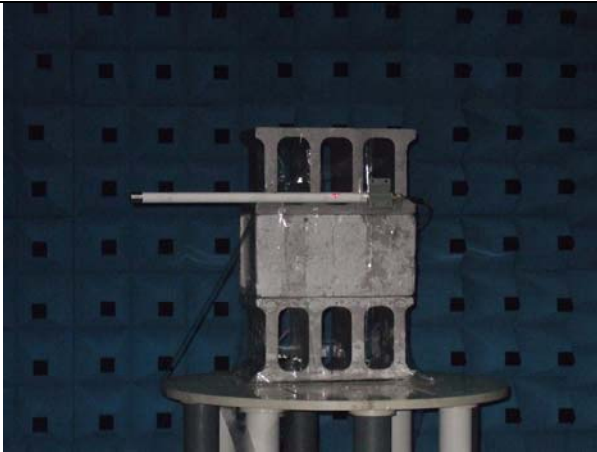


V.S.W.R

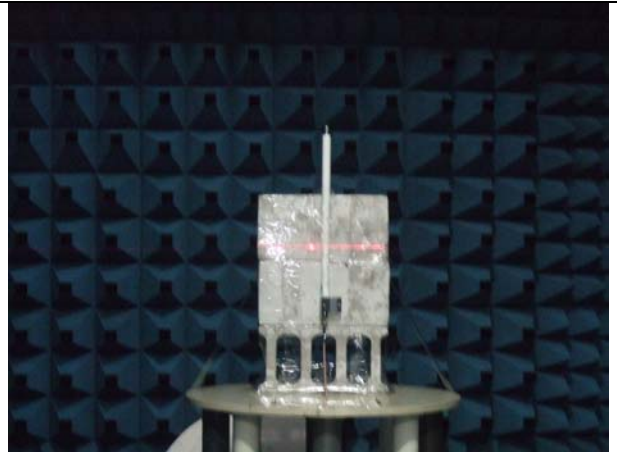
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RF Chamber Test Report Frequency: 5.1 ~ 5.9GHz



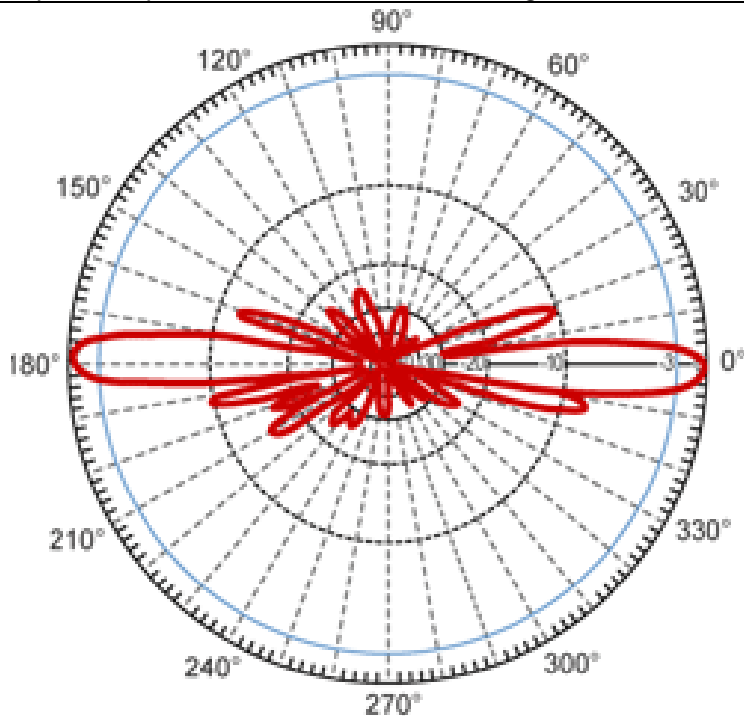
Vertical Pattern Photos



Horizontal Pattern Photos

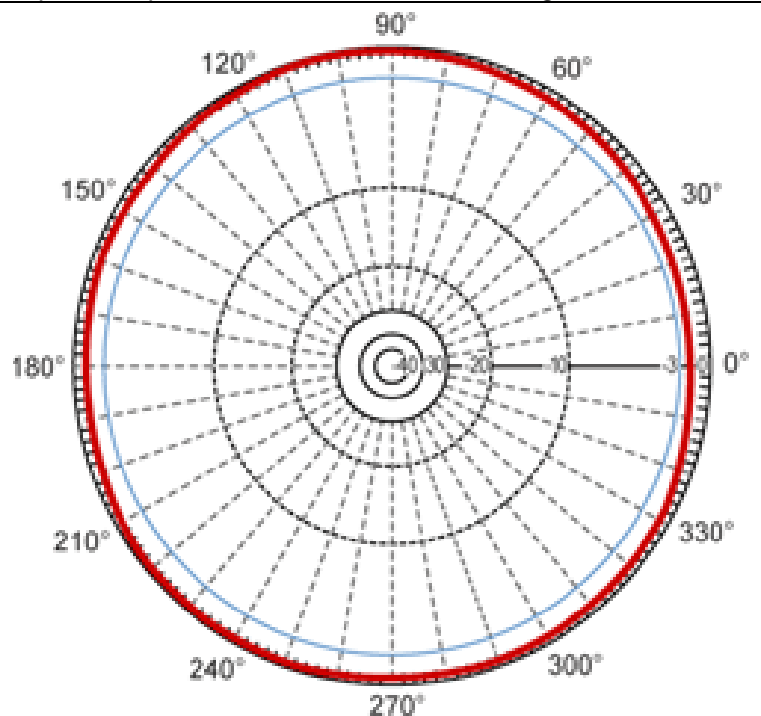
Frequency: 5.1-5.9Ghz

E-plane co-pol ----- 3-dB beam-with=10 Deg



Vertical Pattern

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

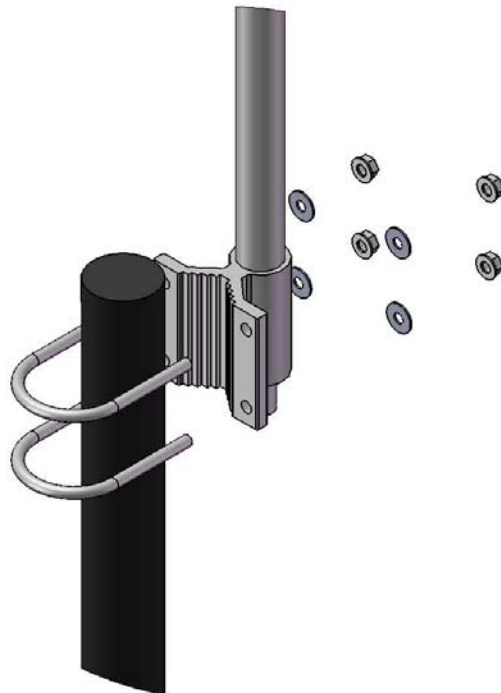
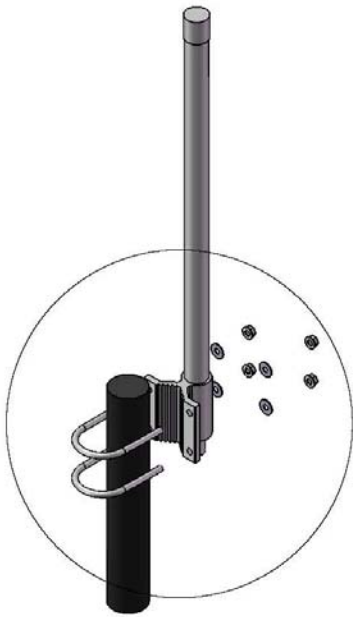


Horizontal Pattern

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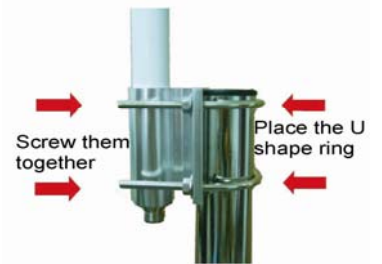
Mounting Kits Install Guide



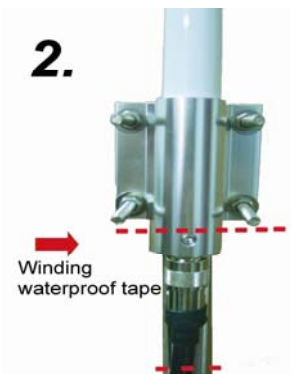
2 : 5



1.



2.



3.

Finish

