

Part # A2D9

2.4 GHz Outdoor Omni-Directional Weatherproof Antenna

with straight (non-articulating) RP-SMA (male) connector for 2.4GHz WiFi / wireless networks, Bluetooth, Zigbee.



Data Alliance Contact Information:
support@data-alliance.net (520-394-4274)
simon@data-alliance.net

Data Alliance Address:
420 W. International Street Nogales, Arizona 85621 USA

Antenna was tested on the same facility (Data Alliance address),
as confirmed by simon@data-alliance.net

ROHS 3 & REACH compliant: Antenna, cable and connector are all compliant with
ROHS 3 and REACH.

Frequency	2.4GHz ~ 2.5GHz
Impedance	50Ω
S.W.R	<= 2.0
Gain	9dBi
Radiation	Omni
Connector	RP-SMA Male
Material	Plastic
Length	380mm

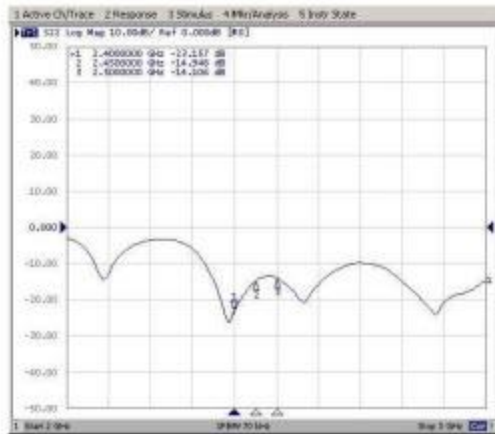
Omni directional dipole antenna: Radiates signal with a beam of 360 degrees; also receives signal from 360 degrees around it.

Compatibility with wireless standards & applications: This [omni directional antenna's](#) range of [frequency band](#) compatibility in the [2.4 ~ 2.5GHz](#) frequency band range, its its low broadband [VSWR](#) at < 1.8 (lower VSWR is better), and [impedance matching to 50 Ohm gear](#), makes it suitable and compliant for all the following applications:

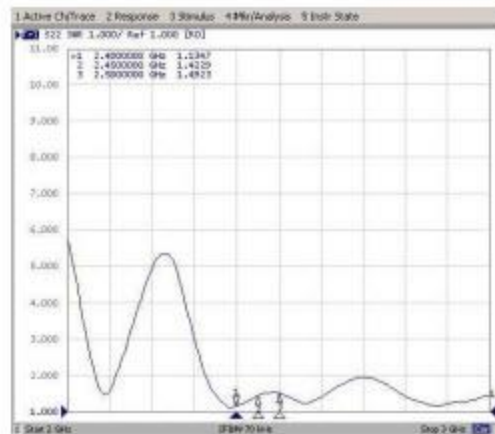
- [IoT wireless](#) & [M2M](#): [Bluetooth](#), [ZigBee](#), and [ISM](#). Since it is [vertically polarized](#), it is compatible with many machine to machine communication applications, remote monitoring, and telemetry applications.
- [2.4GHz](#) WiFi applications: [802.11N](#), [802.11G](#), [802.11B](#)
- Compatible with **Bluetooth devices**, [Wireless Access Points](#) & other wireless devices that have [RP-SMA antenna jacks](#)
- **As Bluetooth antenna**: Send or receive signal to devices in all directions (360-degree horizontal [beamwidth](#))
- **As client antenna**: Connect to [access points](#) in any direction. Portable size: Easily fits in laptop case.

All of our [antennas](#) pass QC test before we ship them.

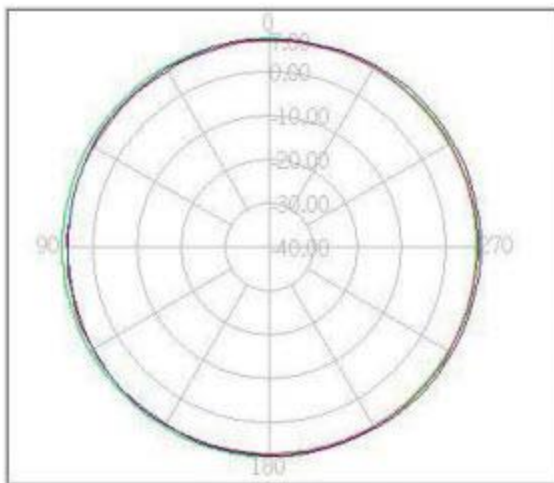
Test Report



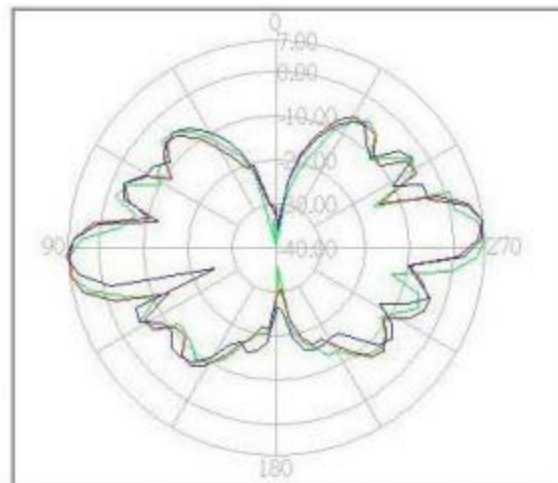
Return Loss



V.S.W.R



H-Plane



E-Plane

RP-SMA Connector Characteristics:

- [RP SMA Features and Key Information](#)
- **Mounts directly onto RP-SMA(female) connector** of access point, [bridge](#), USB WiFi adapter, or booster. See other [magnetic bases](#) that fit this antenna and have antenna cables with other types of [connectors](#).
- **Articulating (Bendable) Right Angle:** This antenna can be angled up to 90 degrees (articulating right angle) or positioned straight. The articulating (bendable) right-angle isn't weatherproof: Water can seep into the angled part of the antenna. Articulating right-angle antennas are therefore recommendable for indoor use or protected outdoors, i.e. under an eave. If you need a weatherproof dipole antenna, you should choose either a straight dipole or one with a fixed right angle. [See our weatherproof antennas](#).