Specifications of Antenna: Data Alliance SKU ADD35RA

Dual Band Antenna Omni Directional with RP-SMA (male) connector.

- Suitable for 802.11abgn and 802.11ac
- Sends WiFi / wireless signal high and low enough to reach 2 levels of a building
- Omni dipole antenna: Radiates signal with a beam of 360 degrees; also receives signal from 360 degrees around it
- Mounts directly onto RP-SMA-female or SMA-female connector of radio or client device
- Bottom section of "right angle" version has articulating angle that can be adjusted to 90-degrees or other angle.

Omnidirectional, direct connect antenna tuned to perform on 2.4 & 5.8GHz networks. Vertically polarized, they are suitable for many of today's machine to machine and communication applications such as telemetry, remote monitoring and mesh networking applications.

SPECIFICATIONS:

- Frequencies:
  - 2.4GHz ~ 2.5GHz: Gain: 3dBi
  - 5.1GHz ~ 5.8GHz: Gain: 5dBi

- V.S.W.R: <=1.8:1
- Impedance: 50 ohms
- Connector options: RP-SMA Male and SMA male: Right angle & straight versions of both RP-SMA and SMA.
- Dimensions: L200 x W13.7 x H13.7mm
- Operating temperature range: -20 to 65 °C
- Storage temperature range: -30 to 75 °C
- Polarization: Linear Vertical
- Max power: 50W

Lead-free and ROHS compliant: The entire product is ROHS compliant (connector and antenna).

RP-SMA Connector Composition: Our RP-SMA connectors are precision machined and gold-plated for low loss.

- Center Contact: Beryllium Copper, Gold Plated
- Connector Body: Brass, Gold Plated
- Crimp Ferrule: Copper, Nickel Plated
- Insulators: PTFE
- **RP-SMA is Reverse Polarity SMA.**

COMPATIBILITY / GENDER DETERMINATION: Gender of RP-SMA & SMA is counter-intuitive. Please observe picture & note it is correct:

1. The gender is referring to the pins inside--not the threads. RP-SMA male have threads on inside.
2. "RP" stands for reverse polarization: RP-SMA male has a socket inside the threaded chamber.

Click here for more details regarding RP-SMA & SMA gender determination.

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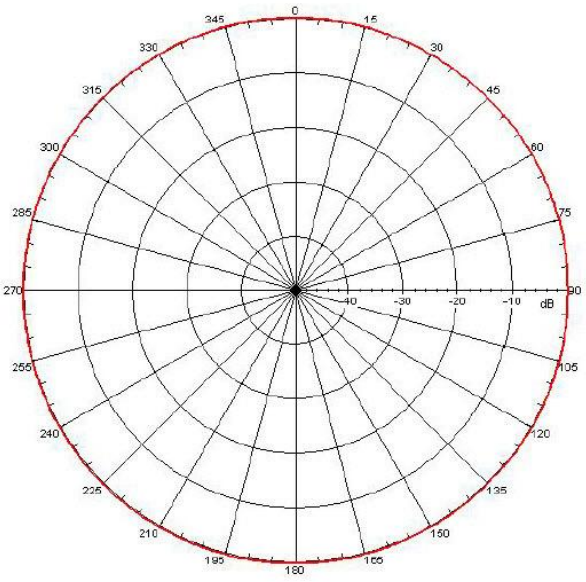
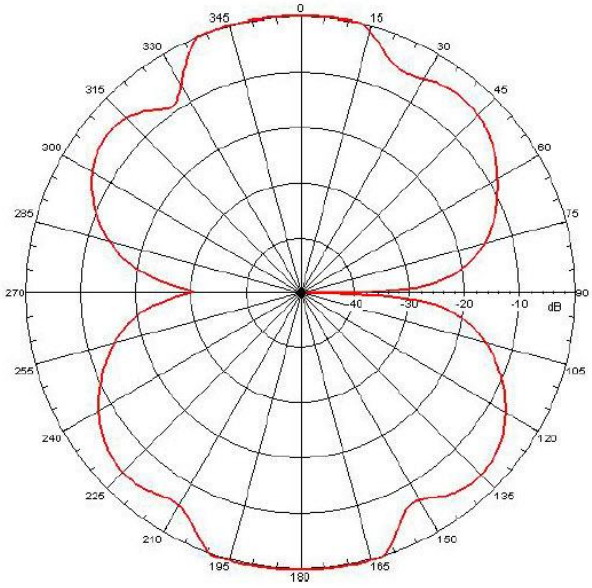
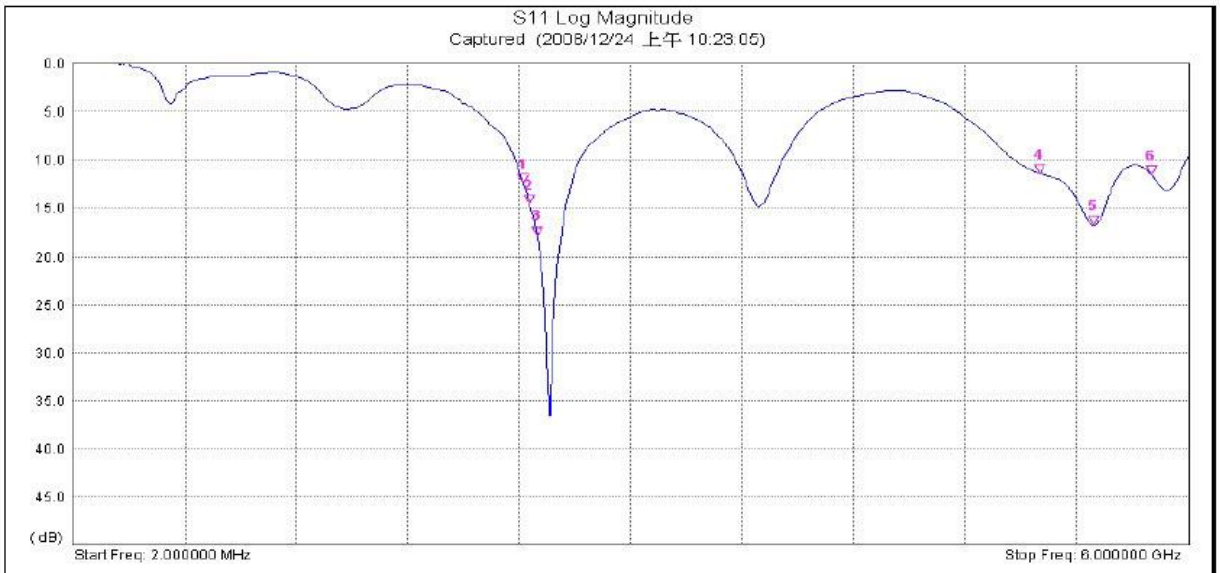
Wireless network gear

H-PLANE



E-PLANE





Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	☐	☐	2.4230 GHz	12.43 dB	- -	- -
2	☐	☐	2.4557 GHz	14.85 dB	- -	- -
3	☐	☐	2.4993 GHz	17.83 dB	- -	- -
4	☐	☐	5.2039 GHz	11.45 dB	- -	- -
5	☐	☐	5.4983 GHz	16.79 dB	- -	- -
6	☐	☐	5.8037 GHz	11.54 dB	- -	- -

Measurement Parameters

Calibration Status	On	Ref. Plane Leng	0
Cal Mode	Standarad		
Data Points	551	Serial Number	651009
Output Power	High	Base Ver.	V1.48
Start Frequency	2.000000 MHz	App Ver.	V1.48
Stop Frequency	6.000000 GHz	Date	12/24/2008 10:23:05 AM
Smoothing %	0	Device Name	

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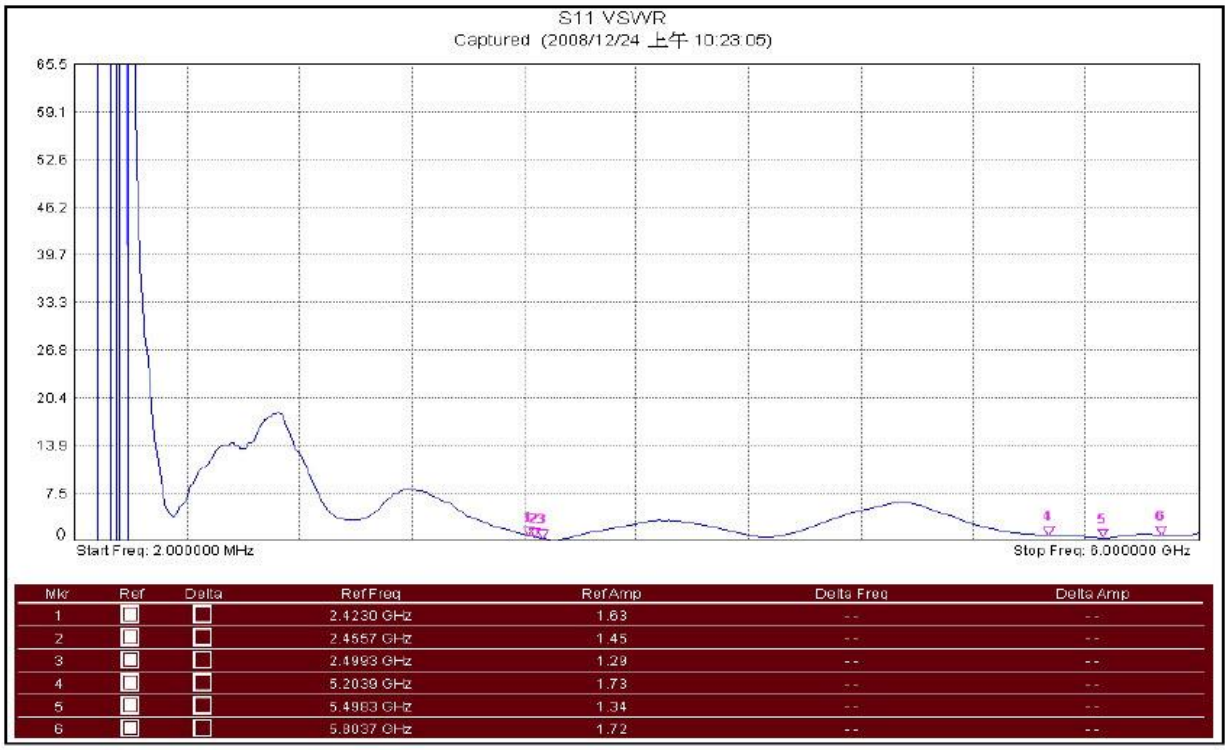

Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	☐	☐	2.4230 GHz	1.63	--	--
2	☐	☐	2.4557 GHz	1.45	--	--
3	☐	☐	2.4993 GHz	1.29	--	--
4	☐	☐	5.2039 GHz	1.73	--	--
5	☐	☐	5.4983 GHz	1.34	--	--
6	☐	☐	5.8037 GHz	1.72	--	--

Measurement Parameters

Calibration Status	On	Ref. Plane Leng	0
Cal Mode	Standarad		
Data Points	551	Serial Number	651009
Output Power	High	Base Ver.	V1.48
Start Frequency	2.000000 MHz	App Ver.	V1.48
Stop Frequency	6.000000 GHz	Date	12/24/2008 10:23:05 AM
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