

# AIR802 LLC PART NUMBER

## ANRD245X05-RSP

REV	BY	DESCRIPTION	DATE
DWN	KAM	DATE	DWG NO.
CHK	<i>P. Dech</i>	04/27/11	931-0006-000-R
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200 INTERNATIONAL DRIVE  
BUDD LAKE, NJ 07828

TITLE:  
ANT DUAL 2/5GHz  
5dBI W/SMA-M;  
SWIVEL, VERT

## Air802 LLC :: Antennas :: Dual-Band / Multi-Band :: Dipole (Rubber Duck) :: Dual-Band WiFi Dipole (Rubber Duck) Antenna, 2.4 GHz and 5.1 to 5.8 GHz, 5 dBi Gain, Reverse Polarity SMA (RP-SMA) Plug Male Connector

### Dual-Band WiFi Dipole (Rubber Duck) Antenna, 2.4 GHz and 5.1 to 5.8 GHz, 5 dBi Gain, Reverse Polarity SMA (RP-SMA) Plug Male Connector #ANRD245X05-RSP



AIR802® model ANRD245X05-RSP is a dual-band dipole (rubber duck) antenna for the 2.4 and 5.1 to 5.8 GHz band with 5 dBi gain on both bands. This antenna has a reverse polarity SMA (RP-SMA) plug (male) connector.

Designed, engineered and manufactured by AIR802, this indoor antenna provides high gain and provides tilt and swivel functions for full flexibility.

#### Applications

- 802.11a/b/g/n Wi-Fi Networks
- Bluetooth
- Streaming Wireless Video
- RFID
- Public Hot Spots
- Schools or Universities
- Hotel Lobby and Hallways
- Medical Buildings
- Any Commerical Office, Retail Store

#### Specifications

Frequency	2400 - 2485 MHz and 5.1 to 5.8 GHz
Gain	5 dBi @ 2.4 GHz 5 dBi @ 5.1 to 5.8 GHz
VSWR	< 1.5 at 2.4 GHz < 2.0 at 5.1 to 5.8 GHz
Polarization	Vertical
Vertical Beam Width	47°
Horizontal Beam Width	360°
Impedance	50Ω
Max. Input Power	5 watts
Weight	0.022 lbs (10 grams)
Length	4.27 inches (108.5 mm)
Connector	Reverse Polarity SMA (RP-SMA) Plug (Male)
Finish	Matte Black
Flame Rating	UL 94HB
RoHS Compliant	Yes

#### Product Warranty

This antenna is of absolute quality and is fully covered under by the AIR802 LLC Limited Warranty.

Terminology Note: Due to various use of terminology, this antenna maybe referred to as: wlan omni antenna, wireless omni antenna, wireless LAN omni, 2.4GHz omni antenna, 2400MHz omni antenna, ISM omni antenna, wireless LAN omni antenna, 2.4 omni antenna, 802.11 omni antenna, 802.11b omni antenna, 802.11g omni antenna, 802.11b/g omni antenna, 802.11n omni antenna, 802.1a/b/g omni antenna, wifi omni antenna, 2.4GHz wifi omni antenna, wi-fi omni antenna, RF omni antenna, hotspot omni antenna, 2.4GHz antena, wifi antena, 802.11 antena, inalámbrico 2.4 GHz WiFi antena, dual band antenna, dual band dipole, dual band rubber duck, 2.4 5 ghz antenna, 2.4 5.8 antenna, wifi dual band antenna

**Price:** **USD \$11.95**

**Quantity**

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**E-Plane (Vertical Plane)**

**E-Plane (Vertical Plane)**

**H-Plane (Horizontal Plane)**

**H-Plane (Horizontal Plane)**



424 Fort Hill Drive, #105, Naperville, Illinois 60540  
Tel: (630) 428.3108 Fax: (630) 637.8662

April 25, 2011

Ernest Carnicelli  
Integrated Microwave Technologies  
200 International Drive  
Mt. Olive, NJ 07828

Dear Mr. Carnicelli:

This letter is to confirm that our antenna, model ANRD245X05-RSP is RoHS compliant. AIR802 is always working to insure RoHS compliance in our products which have worldwide demand.

Regards,

Mike Bryant