

## 2.4 GHz to 5.8 GHz 3 dBi Reverse Polarity-SMA TriBand Rubber Duck Wireless LAN Antenna - Model: HG2458RD-RSP

### Applications and Features

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#### Applications:

- **2.4 GHz - 2.5 GHz Frequency Range:**
  - ◇ 802.11b & 802.11g Access Points & Routers
  - ◇ 2.4 GHz ISM Applications
  - ◇ WiFi Systems
  - ◇ Bluetooth® Applications
  - ◇ Public Wireless Hotspots
  - ◇ Wireless Video Services
- **4.9 GHz - 5.3 GHz Frequency Range:**
  - ◇ 802.11a Access Points and Routers
  - ◇ 5.3 GHz Band Applications
  - ◇ Homeland Security
  - ◇ Public Safety Services: Fire, Police, Security
- **5.7 GHz - 5.8 GHz Frequency Range:**
  - ◇ 5.8 GHz ISM Band Applications
  - ◇ 5.8 GHz UNII Band Applications
  - ◇ WiFi Systems
  - ◇ 5.8 GHz Wireless Video Systems

#### Features:

- Superior performance
- TriBand operation
- Better performance than most stock AP antennas
- Flexible "Rubber Duck" antenna
- Tilt and swivel design
- RP-SMA Connector
- RoHS Compliant
- Optional Magnetic Mount Available

### Description

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The HyperGain® Model HG2458RD is a high performance TriBand rubber-duck antenna designed to operate from 2.4 GHz to 2.5 GHz, 4.9 GHz to 5.3 GHz and 5.7 GHz to 5.8 GHz. The Multi-Band design of this antenna eliminates the need to purchase different antennas for each frequency. The TriBand design of this antenna helps reduce interference and noise since it will reject out-of-band signals between the three bands of this antenna. This omnidirectional "rubber-duck" antenna provides broad coverage and 3 dBi gain.

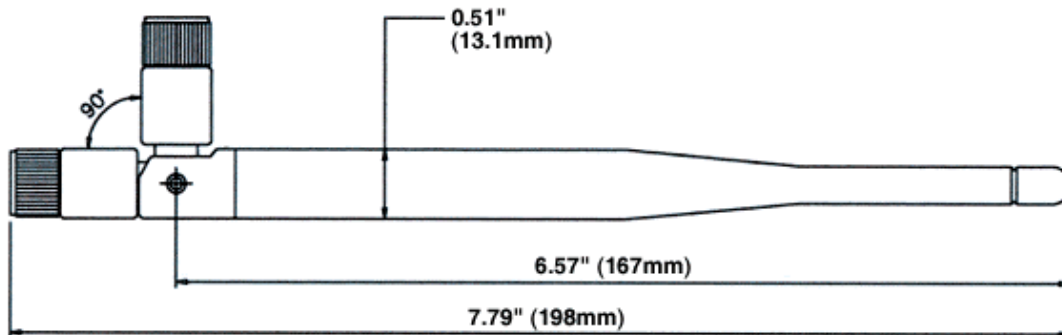
Measuring 7.79 " long, this flexible antenna features a tilt-and-swivel reverse-polarity SMA connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is suitable as a replacement RF antenna for many access points and radios that are equipped with reverse-polarity SMA connectors including D-Link®, Linksys® WET11 and others.

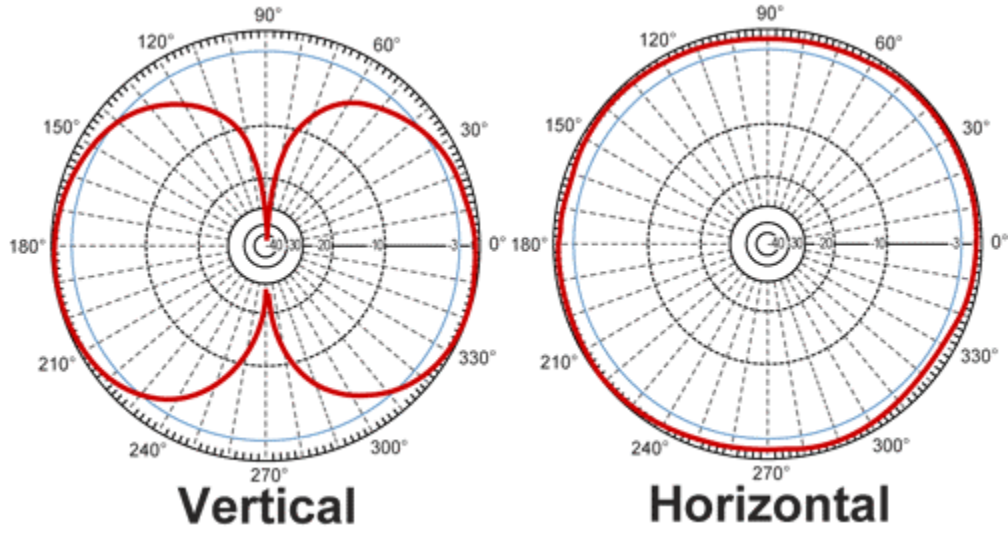
**Application Note:** This antenna is not for use with U.S.Robotics® RP-SMA equipped devices.



## Specifications

<b>Frequency Ranges</b>	2400-2500 MHz, 4900-5350 MHz 5725-5850 MHz
<b>Gain</b>	3 dBi
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Power</b>	50W
<b>VSWR</b>	< 2:1
<b>Weight</b>	.96 oz. (27 g)
<b>Length</b>	7.79" (198 mm)
<b>Max. Diameter</b>	0.51" (13.1 mm)
<b>Finish</b>	Matte Black
<b>Connector</b>	Reverse Polarity SMA Plug
<b>Operating Temperature</b>	-40° C to to 60° C (-40° F to 140° F)
<b>Polarization</b>	Vertical
<b>Flame Rating</b>	UL 94HB
<b>RoHS Compliant</b>	Yes





**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty