

HyperLink Wireless 2.4 GHz to 5.8 GHz 3 dBi TNC-Male Tri-Band Rubber Duck Antenna

Model: HG2458RD-SM

Applications and Features

- **2.4 GHz - 2.5 GHz Frequency Range:**
 - ◇ 802.11b, 802.11g, 802.11n Access Points and 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
- Superior performance
- Tri-Band operation
- Better performance than most stock AP antennas
- Flexible "Rubber Duck" antenna
- Tilt and swivel design
- SMA-Male Connector
- RoHS Compliant



Multi-Band Operation!

Description

The HyperGain® Model HG2458RD is a high performance Tri-Band 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 Tri-Band 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 SMA-Male 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 radios that are equipped with SMA connectors.

Specifications

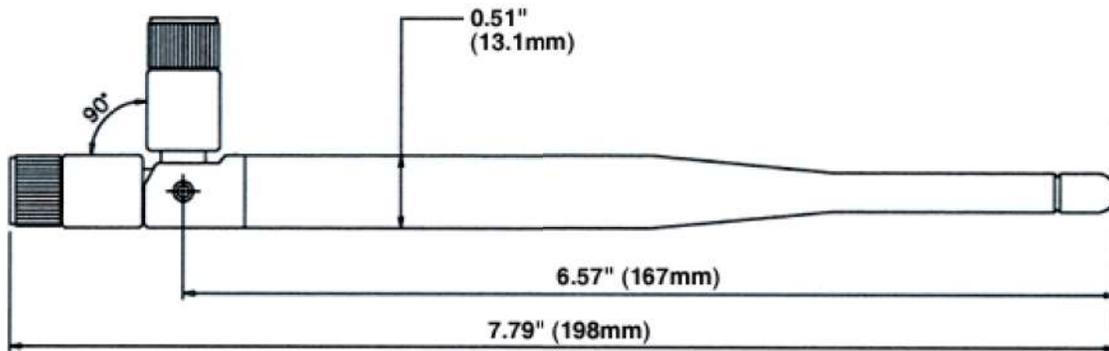
Electrical Specifications

| | |
|------------------------------|---|
| Frequency Ranges | 2400-2500 MHz 4900-5350 MHz 5725-5850 MHz |
| Gain | 3 dBi |
| Horizontal Beam Width | 360° |
| Impedance | 50 Ohm |
| Input Power | 5 Watts |
| VSWR | < 2:1 |

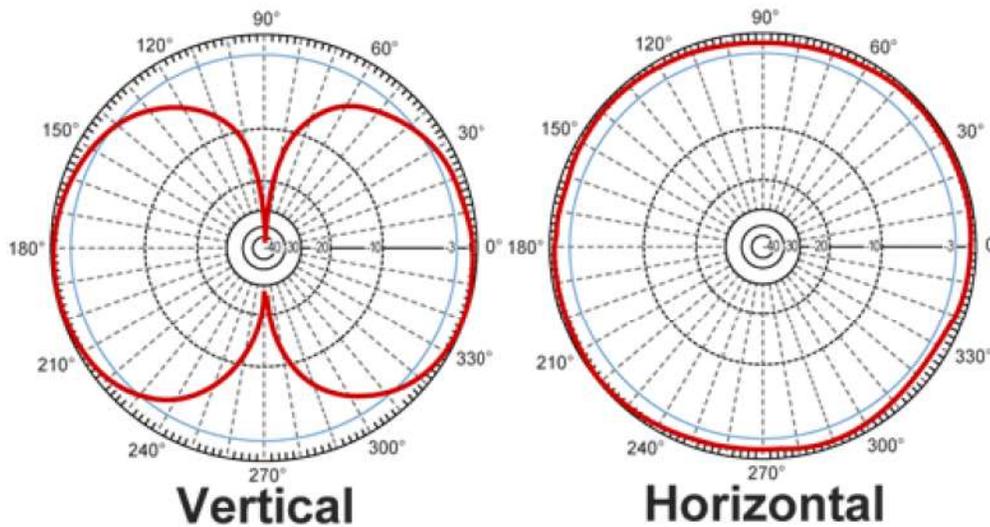
Mechanical Specifications

| | |
|------------------------------|------------------------------------|
| Weight | .96 oz. (27 g) |
| Length | 7.79" (198 mm) |
| Max. Diameter | 0.51" (13.1 mm) |
| Finish | Matte Black |
| Connector | SMA-Male |
| Operating Temperature | -40° C to 60° C (-40° F to 140° F) |
| Polarization | Vertical |
| Flame Rating | UL 94HB |
| RoHS Compliant | Yes |

Dimensions



RF Antenna Patterns



Guaranteed Quality

This product is backed by L-Com's Limited Warranty