

# 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

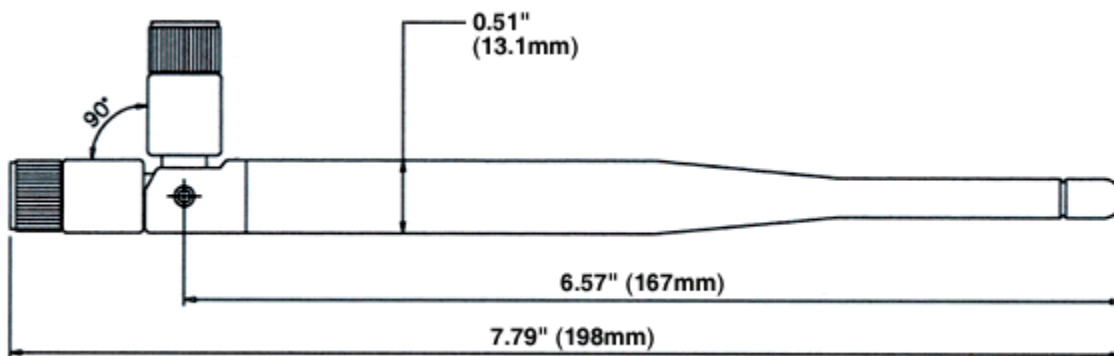
### Electrical Specifications

<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

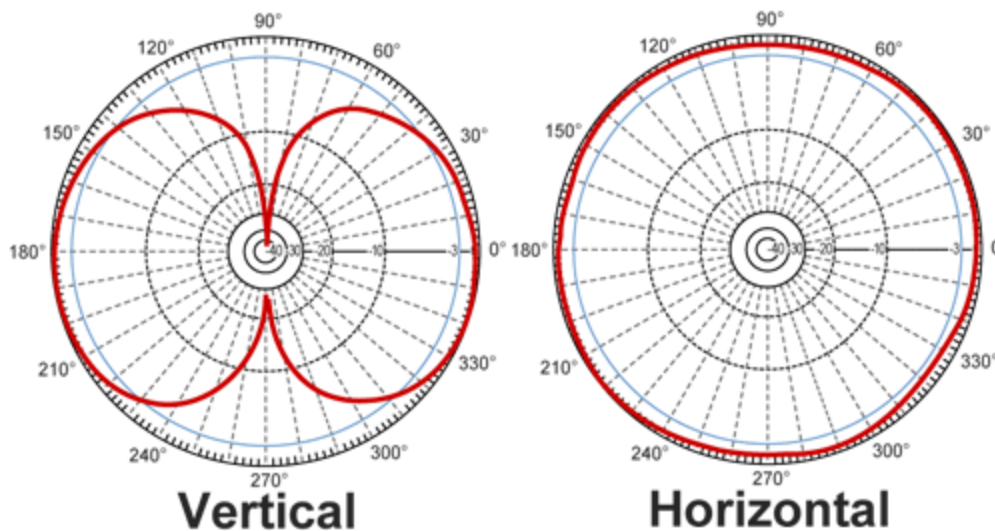
**Mechanical Specifications**

<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>	SMA-Male
<b>Operating Temperature</b>	-40° C to 60° C (-40° F to 140° F)
<b>Polarization</b>	Vertical
<b>Flame Rating</b>	UL 94HB
<b>RoHS Compliant</b>	Yes

**Dimensions**



**RF Antenna Patterns**



**Guaranteed Quality**

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