

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

Model: HG2458RD-TM

## 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
  - ◊ TNC-Male Connector
  - ◊ RoHS Compliant



## Description

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 TNC-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 TNC connectors.

## Specifications

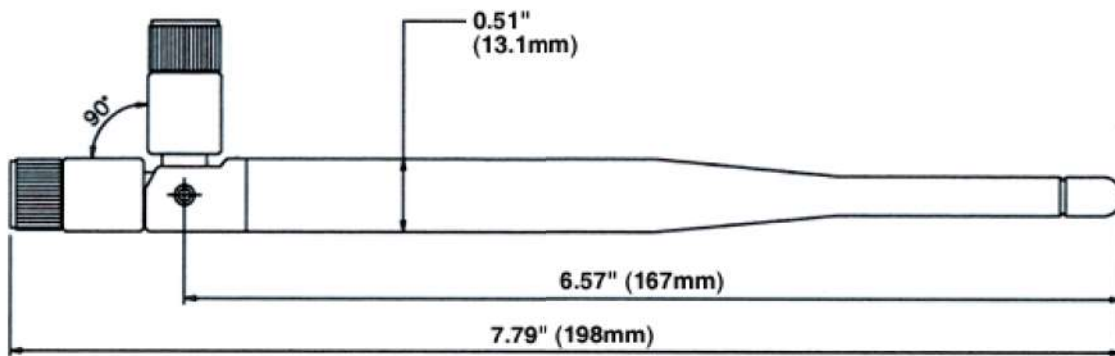
### Electrical Specifications

<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>Input Power</b>	5 Watts
<b>VSWR</b>	< 2:1

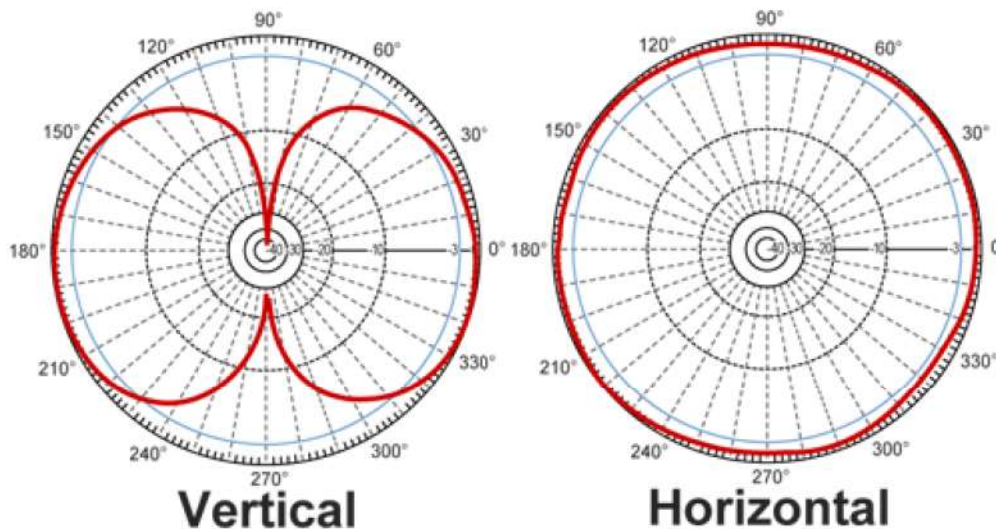
**Mechanical Specifications**

<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>	TNC-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