

HyperLink Wireless 2.4/5.8 GHz Omnidirectional Antennas

Models: HGV-2458-03U, HGV-2458-05U, HGV-2458-07U

Applications

- 2.4/4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- IEEE 802.11a/b/g/n and 802.11ac compatible
- Homeland Security and Public Safety band
- WiMAX and WiFi applications
- Multipoint and mobile applications

Features

- High Performance in a compact lightweight design
- Durable UV-Stable fiberglass radome with vented end cap and drain holes in base
- All weather operation
- Integral N-Female connector
- Includes mast mounting kit



(HGV-2458-07U Shown)

Description

High Performance

The HyperLink brand model HGV-2458 series are an economical yet high performance omnidirectional antennas designed for broadband frequency operation from 2.4 GHz and 4.9/5.8 GHz. Compact and lightweight, these antennas are ideally suited multipoint applications where wide coverage is desired.

Versatile and Economical

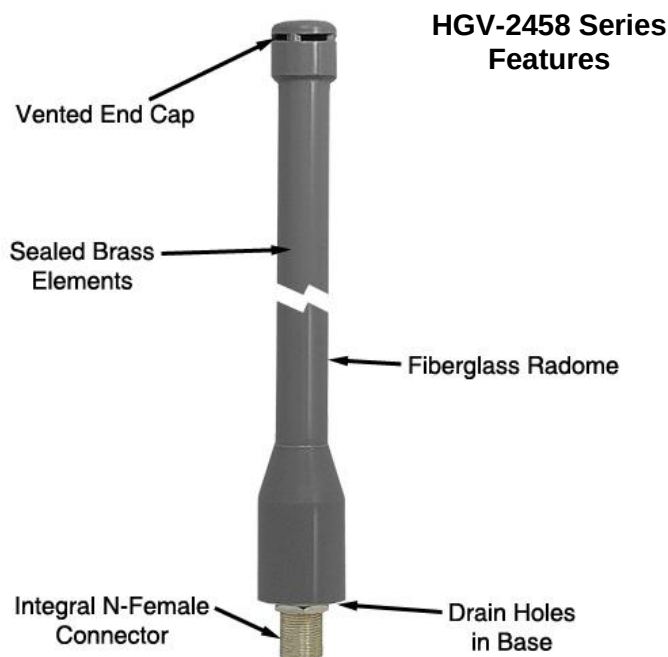


The HGV-2458 Series antennas feature an integral N-Female bulkhead type connector that can mount through the wall of an equipment enclosure. Also included is a mast mounting kit which consists of a heavy-duty steel bracket and a pair of U-bolts. This kit allows for installations on masts up to 2.0" in diameter.

All Weather Operation

Constructed for all weather operation, the HGV-2458 Series antennas feature sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the antenna to be mounted in up or down positions.





Specifications

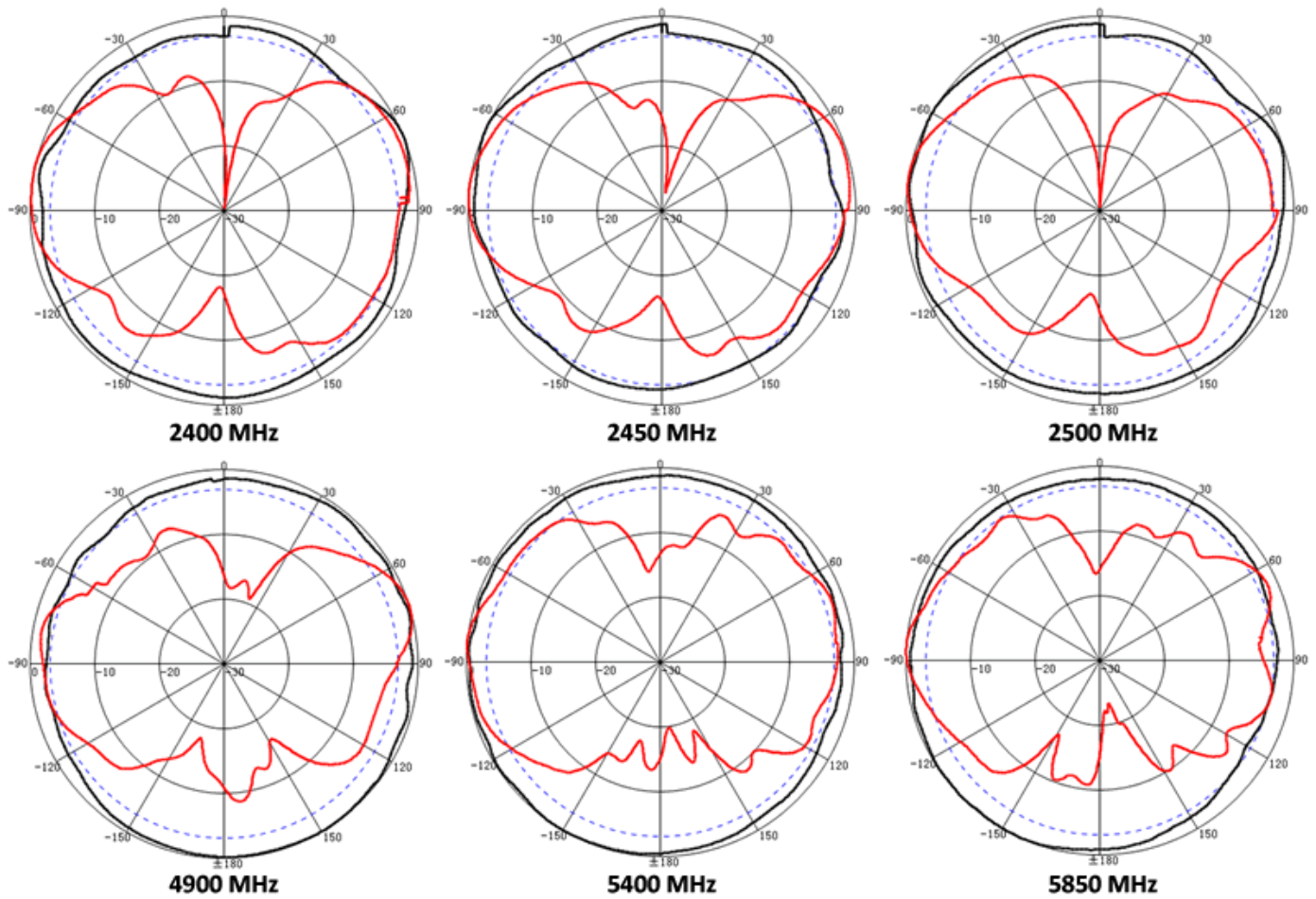
Electrical Specifications

Models		HGV-2458-03U	HGV-2458-05U	HGV-2458-07U
Frequency		2400-2500/4900-5850 MHz		
Gain (Typ.) ± 1 dBi	2400-2500 MHz	3.5 dBi	5 dBi	7 dBi
	4900-5850 MHz	4 dBi	6 dBi	8 dBi
Polarization		Vertical		
Vertical Beam Width		55°	45°	20°
Horizontal Beam Width		360°		
Impedance		50 Ohm		
Max. Input Power		50 Watts		
VSWR		< 2.0:1 avg.	< 2.5:1 avg.	< 2.5:1 avg.
Lightning Protection		DC Short		

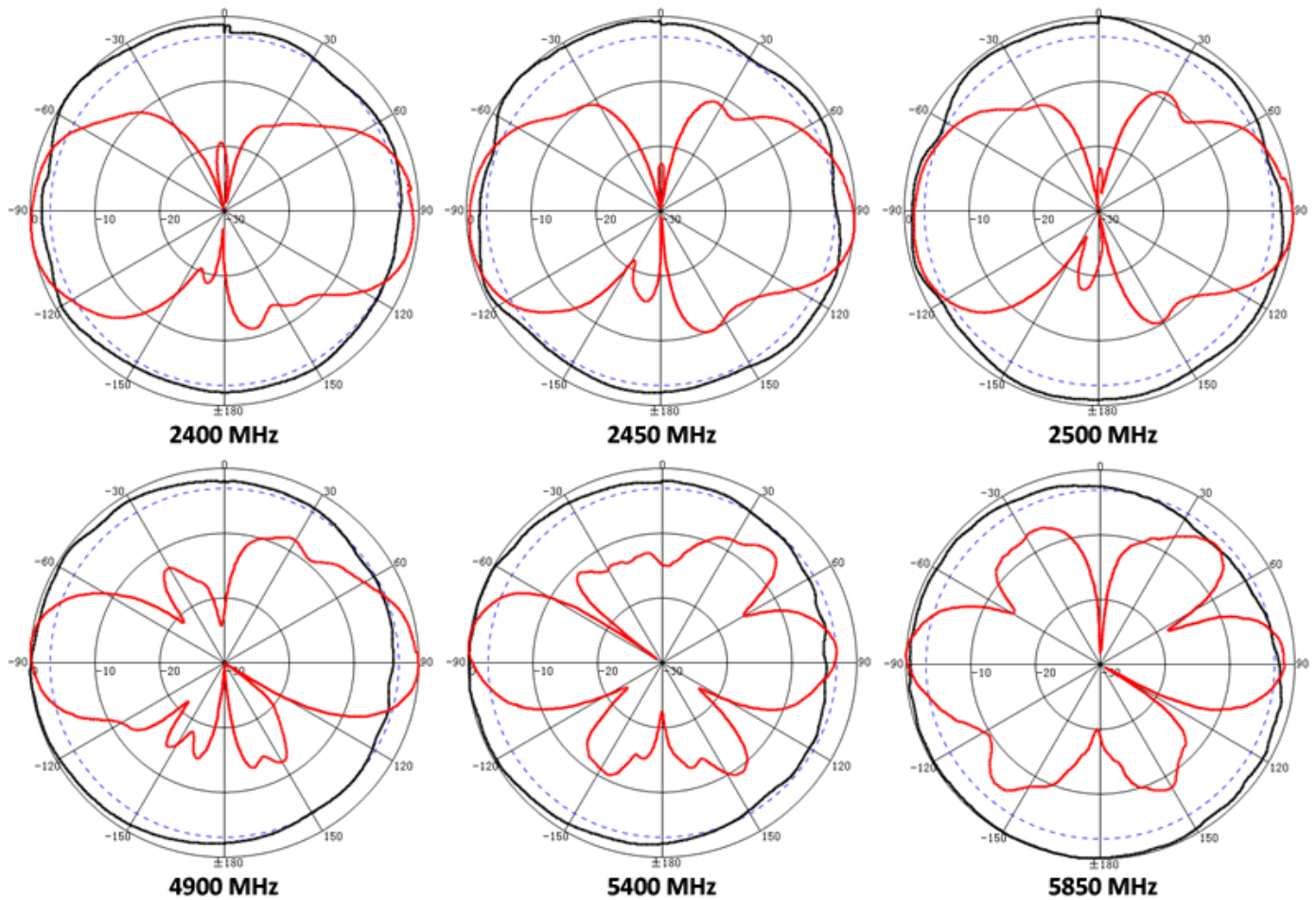
Mechanical Specifications

Weight (Including Bracket)	1.16 lbs. (0.53 kg)	1.25 lbs. (0.53 kg)	1.36 lbs. (0.53 kg)
Length	4.7 in. (120mm)	11.6 in. (295mm)	19.5 in. (495mm)
Base Diameter	1.27 in. (32.2mm)		
Radome Diameter	0.75 in. (19mm)		
Operating Temperature	-40°C to 85°C (-40°F to 185°F)		
Connector	N-Female (bulkhead type)		
Mounting Mast Size Diameter	1.2 to 2.0 in. (30 to 50mm)		
RoHS Compliant	Yes		

RF Antenna Patterns – HGV-2458-03U



RF Antenna Patterns – HGV-2458-05U



RF Antenna Patterns – HGV-2458-07U

