

Altelix HQ-PRO2 Series

High Quality Pro Series 2.4 GHz Omni Antennas

- *All Weather Operation*
- *Robust Fiberglass Radomes*
- *Center Fed Collinear Dipole Array*



Overview

The Altelix Omni HQ-PRO2 Series are high-quality professional-grade antennas that offer high gain and heavy industrial construction. These antennas feature a thick fiberglass radome and a rugged aluminum base.

The HQ-PRO2 series utilizes a center-fed dipole collinear array which provides higher performance than traditional bottom-fed omni designs. Features such as solid brass internal elements and integral N-female connectors provide for superior performance and enhanced survivability.

Full Omnidirectional Coverage



Altelix HQ-PRO2 Series Omni Antennas provide a Full 360° of coverage

Features:

- Full 2.4 GHz Band Coverage, 2400-2500 MHz (2.4 GHz Series)
- Robust Fiberglass Radome
- All-Weather Operation
- Integral N Female Connector
- Mast Mounting Brackets Included

Applications:

- IEEE 802.11b/g/n (2.4 GHz Series)
- WiFi and WLAN Systems
- WISP Base Station
- Point to Multipoint Systems

Each of the HQ-PRO2 Series Omni Antennas includes a heavy-duty mast mounting kit. This allows the antennas to be mounted to a mast up to 2 inches in diameter.



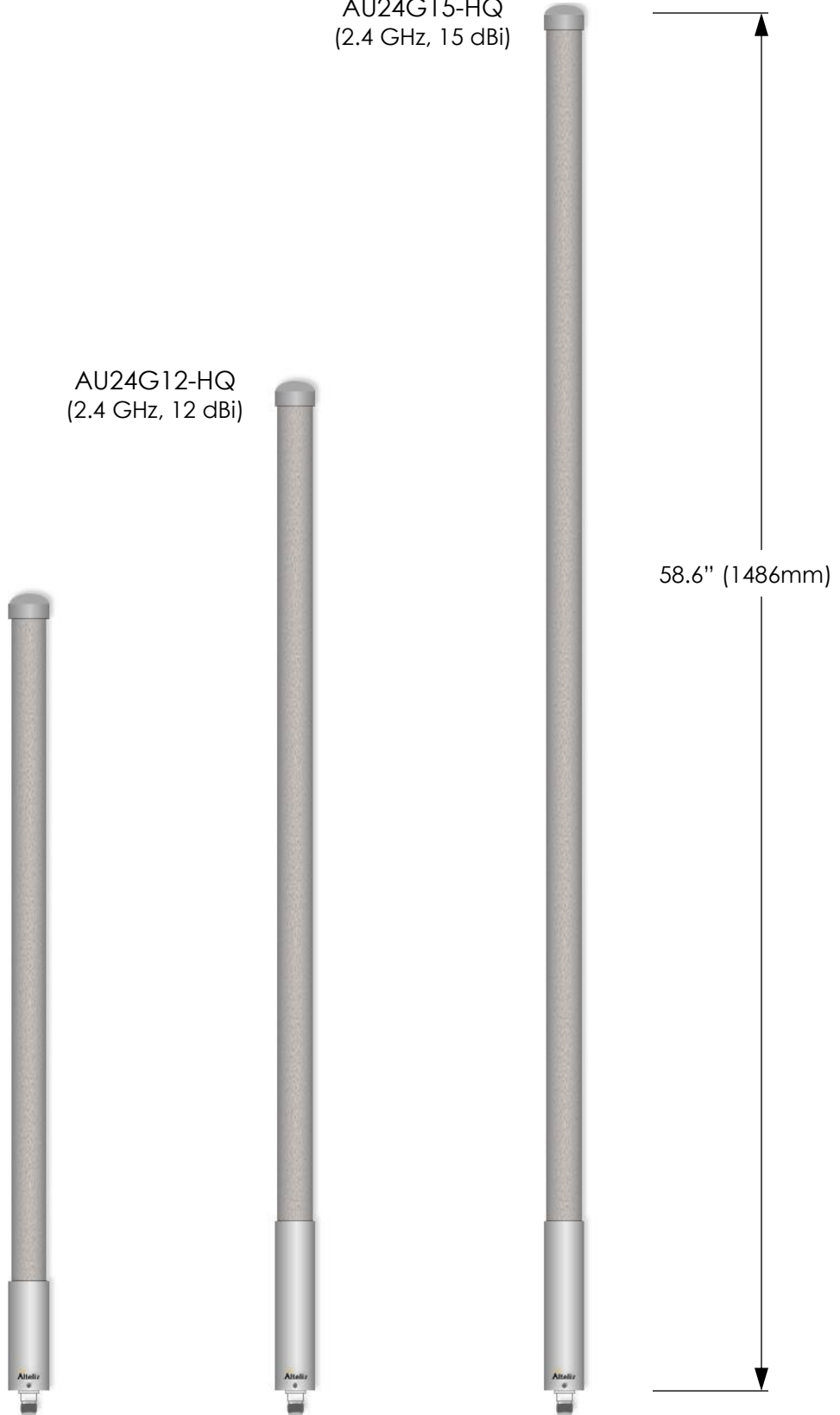
Heavy Duty Mast Mounting

Models

AU24G9-HQ
(2.4 GHz, 9 dBi)

AU24G12-HQ
(2.4 GHz, 12 dBi)

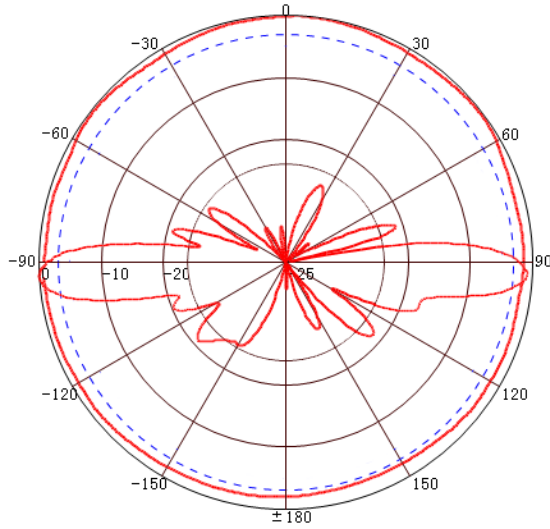
AU24G15-HQ
(2.4 GHz, 15 dBi)



Specifications

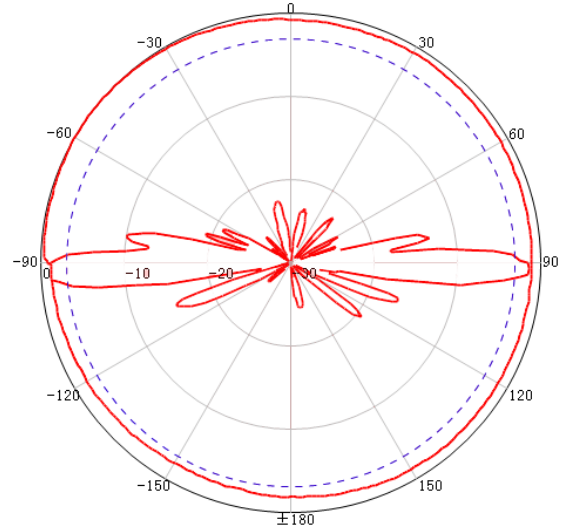
Model	AU24G9-HQ	AU24G12-HQ	AU24G15-HQ
Frequency Range	2400-2500 MHz	2400-2500 MHz	2400-2500 MHz
Gain	9dBi	12dBi	15dBi
Polarization	Vertical	Vertical	Vertical
Vertical Beamwidth	12 Degrees	8 Degrees	7.5 Degrees
Horizontal Beamwidth	360 Degrees	360 Degrees	360 Degrees
VSWR	<1.5:1	<1.5:1	<1.5:1
Impedance	50 Ohm	50 Ohm	50 Ohm
Maximum Power	100 Watts	100 Watts	100 Watts
Connector	Integral Type N Female	Integral Type N Female	Integral Type N Female
Dimensions	Ø1.7 x 34 In. (Ø43x864 mm)	Ø1.7 x 40.6 In. (Ø43x1030 mm)	Ø1.7x58.6 Inches (Ø43x1486 mm)
Mast Diameter	1.5-2.1 Inches (43-53 mm)	1.5-2.1 Inches (43-53 mm)	1.5-2.1 Inches (43-53 mm)
Weight	2.6 Lbs. (1.2 Kg)	3.3 Lbs. (1.5 Kg)	3.9 Lbs. (1.75 Kg)
Temperature Range	-40°F - 185°F (-40°C - 85°C)	-40°F - 185°F (-40°C - 85°C)	-40°F - 185°F (-40°C - 85°C)
Lightning Protection	DC Short	DC Short	DC Short

AU24G9-HQ – Antenna Patterns



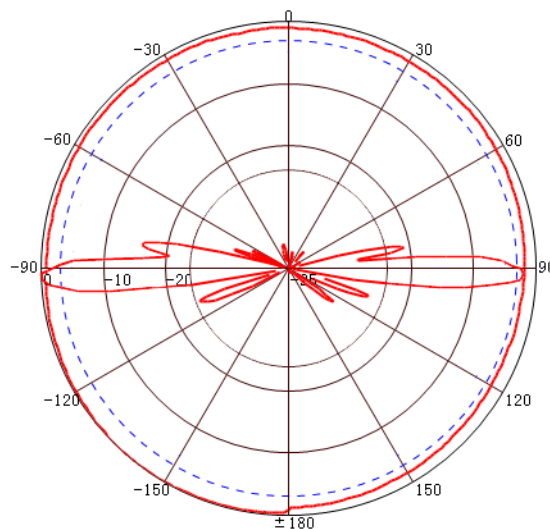
2450 MHz

AU24G12-HQ – Antenna Patterns



2450 MHz

AU24G15-HQ – Antenna Patterns



2450 MHz