

# Altelix AUV2458G Series

Multi-Band 2.4/4.9/5 GHz Omni Antennas

- Wide Band Coverage
- Lightweight Construction
- All Weather Operation



## Overview

The Altelix AUV2458G Series Multi-Band / Dual-Band WiFi Omnidirectional antennas provide coverage in both the 2.4 GHz and 5 GHz WiFi bands, as well as the 4.9 GHz Public Safety Band. These lightweight antennas feature a weather resistant design which allows for optimum performance in all conditions.

The AUV2458G NF models feature a N-Female Bulkhead connector. This allows the antenna to be mounted through the wall of an enclosure or other structure. Included with the NF models is a heavy-duty pole mount kit consisting of a "L" bracket and a pair of U-bolts.

The AUV2458G NM models feature an integral N-Male connector which allows them to be mounted to a wide range of N-Female Bulkhead connectors and adapters as well as to N-Female bulkhead lightning protectors.

### Full Omnidirectional Coverage



Altelix AUV Omni Series Antennas provide a Full 360° of coverage

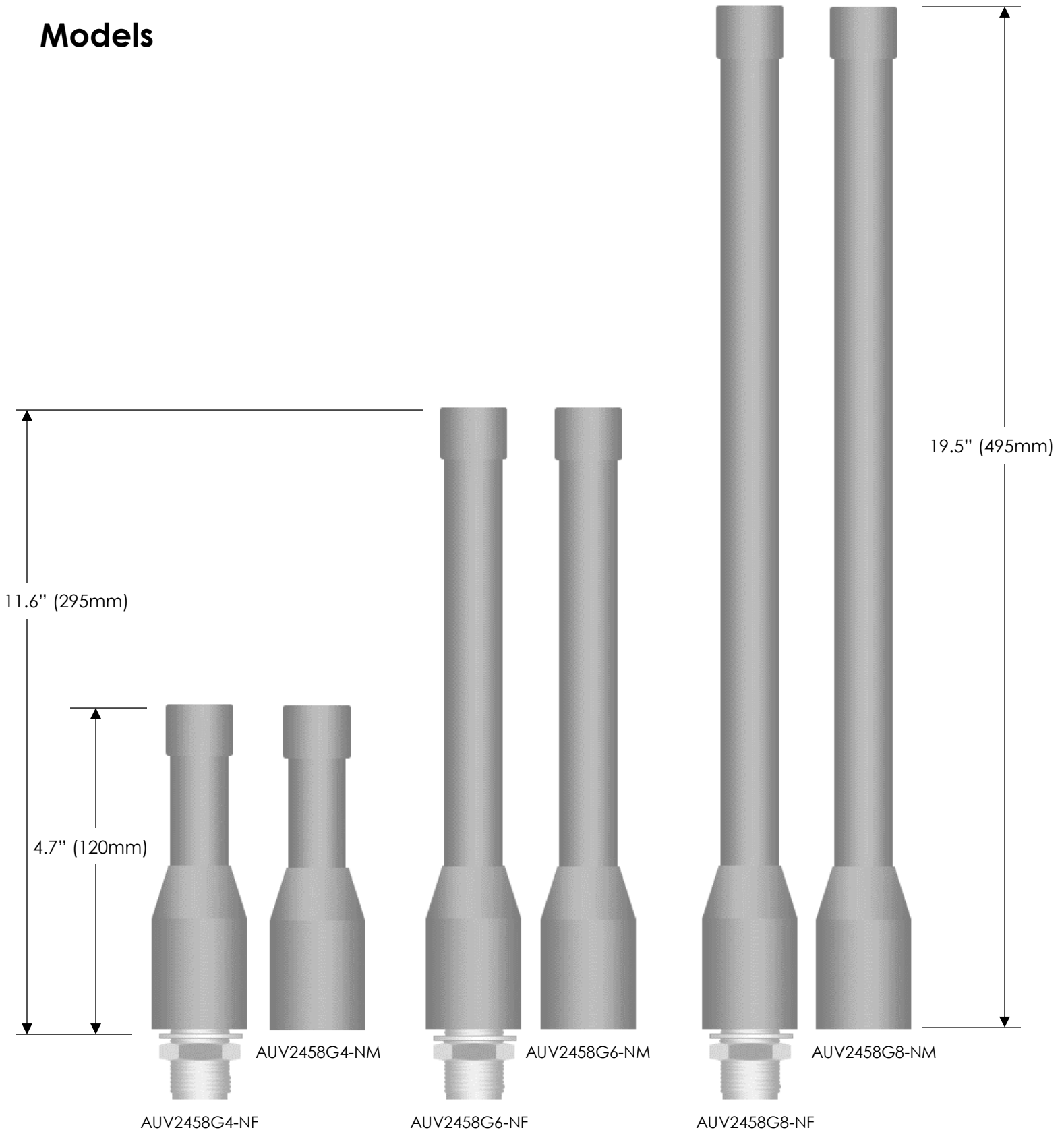
### Antenna Features:

- Wide Band
- One Antenna Covers 2400-2500 MHz and 4900-5850 MHz
- Lightweight Construction
- All Weather Operation
- Available N-Female Bulkhead or Integral N-Male Connector



N-Female Bulkhead and Integral N-Male Connectors

**Models**



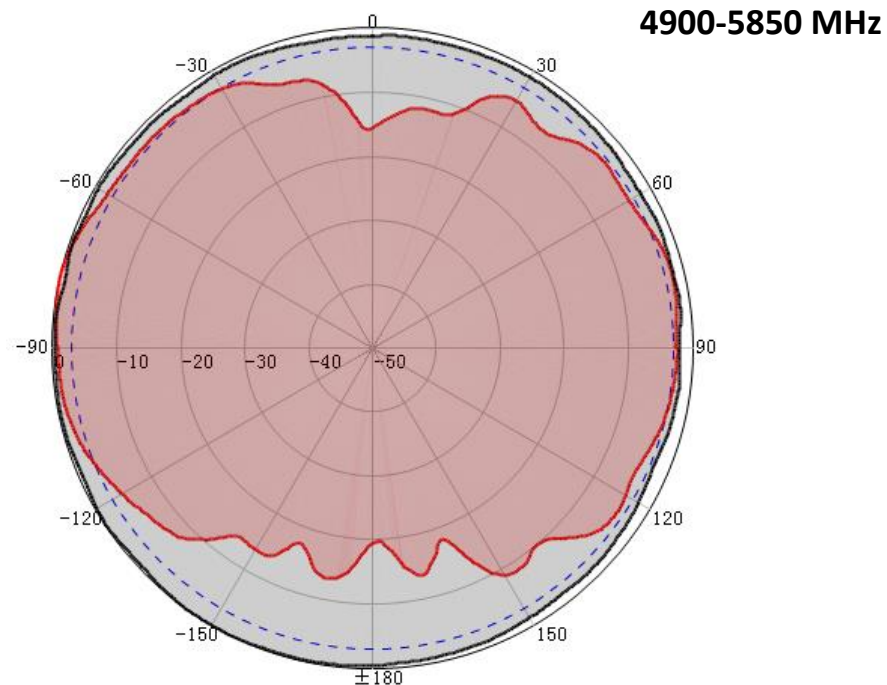
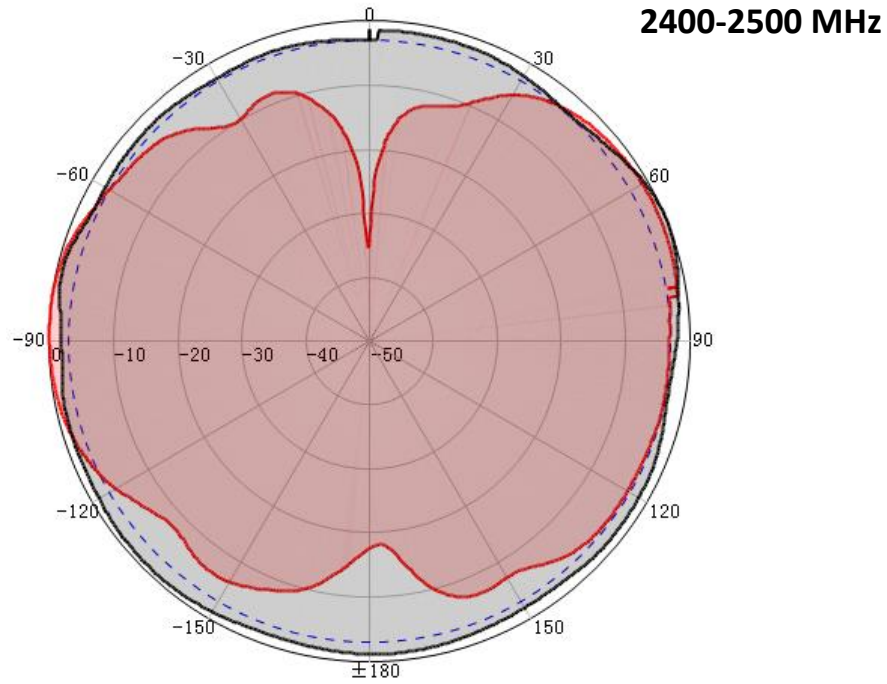
## Antenna Specifications

Model	<b>AUV2458G4-NF</b> <b>AUV2458G4-NM</b>	<b>AUV2458G6-NF</b> <b>AUV2458G6-NM</b>	<b>AUV2458G8-NF</b> <b>AUV2458G8-NM</b>
Frequency Range	2400-2500 MHz 4900-5850 MHz	2400-2500 MHz 4900-5850 MHz	2400-2500 MHz 4900-5850 MHz
Bandwidth	100 MHz 950 MHz	100 MHz 950 MHz	100 MHz 950 MHz
Gain	3.5 dBi @ 2.4 GHz 4 dBi @ 5 GHz	5 dBi @ 2.4 GHz 6 dBi @ 5 GHz	7 dBi @ 2.4 GHz 8 dBi @ 5 GHz
Polarization	Vertical	Vertical	Vertical
Vertical Beamwidth	55 Degrees	45 Degrees	20 Degrees
Horizontal Beamwidth	360 Degrees	360 Degrees	360 Degrees
VSWR	<2.0:1	<2.5:1	<2.5:1
Impedance	50 Ohm	50 Ohm	50 Ohm
Maximum Power	50 Watts	50 Watts	50 Watts
Connectors	-NF: N-Female Bulkhead -NM: N-Male	-NF: N-Female Bulkhead -NM: N-Male	-NF: N-Female Bulkhead -NM: N-Male
Dimensions	Ø0.75 x 4.7 In. (Ø19 x 120 mm)	Ø0.75 x 11.6 In. (Ø19 x 295 mm)	Ø0.75 x 19.5 In. (Ø19 x 495 mm)
Mast Diameter (NF Series Antennas)	1.2 – 2.0 Inches (30-50 mm)	1.2 – 2.0 Inches (30-50 mm)	1.2 – 2.0 Inches (30-50 mm)
Weight (Antenna Only)	0.20 Lbs. (0.09 Kg)	0.23 Lbs. (0.1 Kg)	0.35 Lbs. (0.16 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)

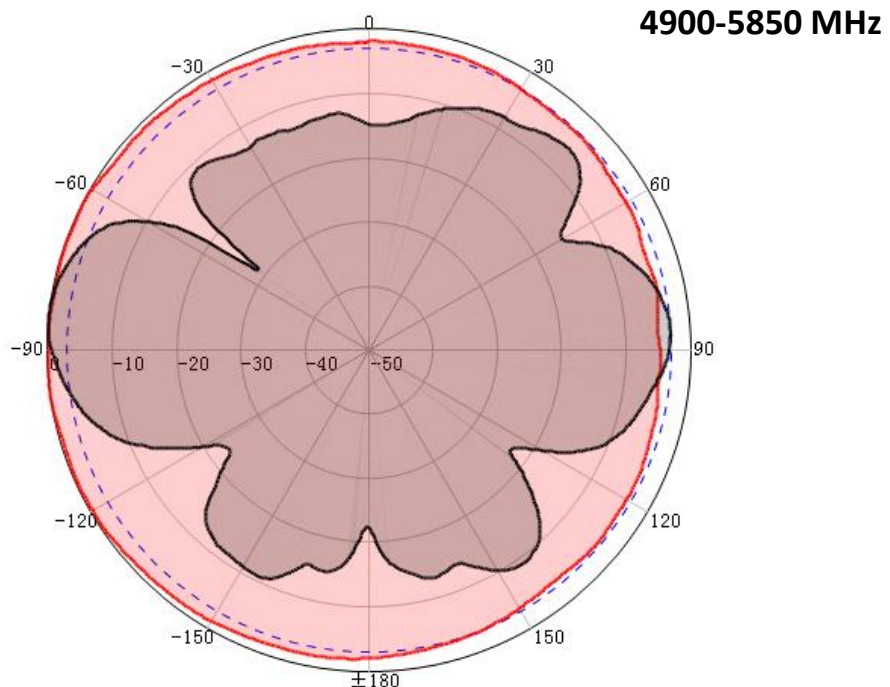
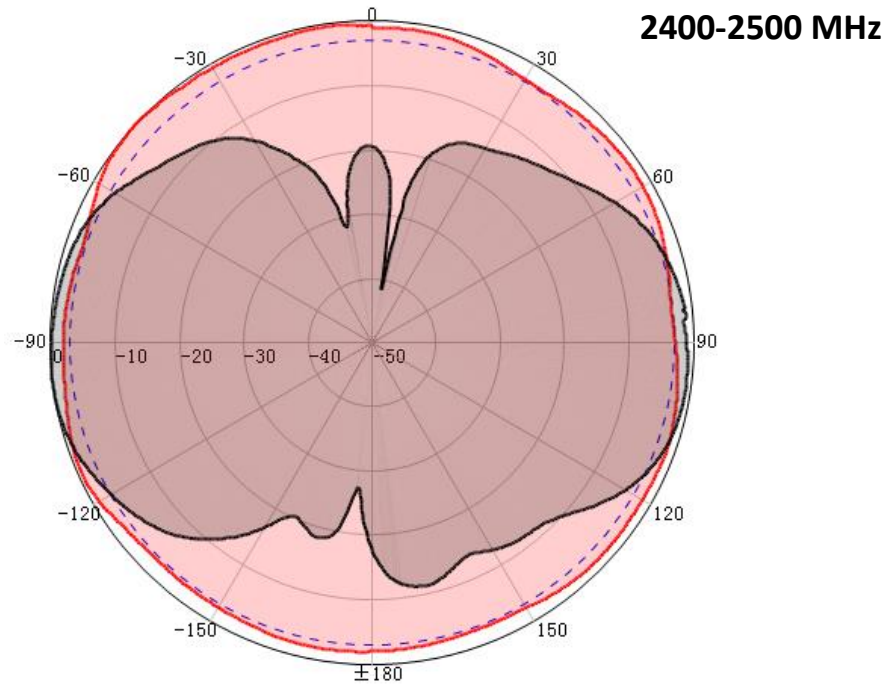
**Pole Mount Detail**  
**N-Female Models**



## AUV2458G4 Antenna Patterns



### AUV2458G6 Antenna Patterns



**AUV2458G8 Antenna Patterns**

