

# Log Periodic Antenna

SKU: 314411 & 314475

## FEATURES

- Works on all worldwide cellular bands for voice and 4G data: LTE/CDMA/GSM/UMTS/AWS
- High performance for weBoost cellular repeater/boosters
- Designed for building exterior installation; direct at cell tower for best signal
- High efficiency and compact design
- UV stable white sealed radome
- Rugged and waterproof for all weather operation
- Simple install kit with tilt/swivel mast bracket for 1.25" to 2" diameter pipe/mast
- 2-year warranty



314475 Antenna F-Female shown



## Kit Includes



314475 Antenna F-Female shown



Pole Mount Accessories

## Specifications

### ELECTRICAL SPECIFICATIONS

Frequency Band (MHz)	698-814	814-960	1695-2180	2180-2700
Max Gain(dBi)	7.48	7.31	8.83	8.57
Average Beamwidth Gain (dBi)	5.2	5.1	6.7	6.5
Horizontal Beamwidth(°)	78°	76°	75°	75°
VSWR	<1.8:1	<1.7:1	<1.8:1	<1.1:1
Polarization	Vertical / Horizontal			
Half-Power Beam width (°)	Low Band: 65 Vert. 100-109 Horiz.			
Half-Power Beam width (°)	High Band: 55 Vert. 70-85 Horiz.			
Front-To-Back Ratio(dB)	≥10 Average			
Impedance(Ω)	50 (314411) 75 (314475)			
Max Power	50W			

### MECHANICAL SPECIFICATIONS

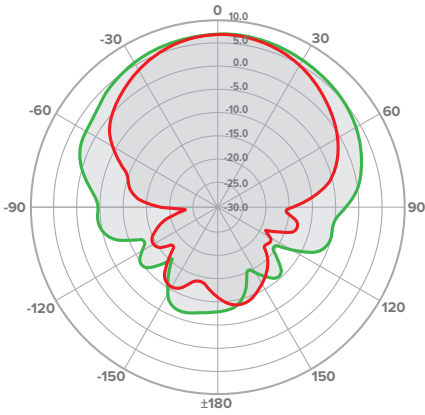
Model	314411	314475
Connector	N-female	F-Female
Dimensions (in / mm)	11.75 x 8.5 x 2.50 / 300 x 210 x 65	
Dimensions Boxed (in / mm)	13.5 x 8.25 x 3.25 / 385 x 215 x 82	
Weight (lb / kg)	1.8 / 0.8 (with bracket)	
Wind Loading Area (ft <sup>2</sup> / m)	≥2.13 / 0.2	
Rated Wind Velocity (mph / kph)	1.5-2.0 / 40-50	
Radiator Material	Aluminum	
Radome Material	ABS Anti UV	
Water Resistance	IPX Weather Rated	
Operating Temperature (°C / F)	-40 to +55 / -40 to +131	

Data from third party test facility

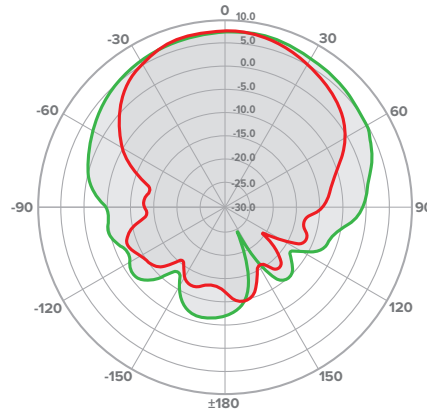
# Radiation Patterns

■ Azimuth (horizontal)   ■ Elevation (vertical)

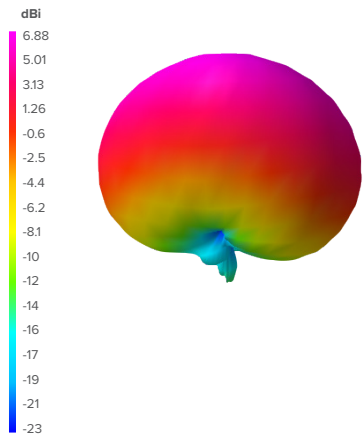
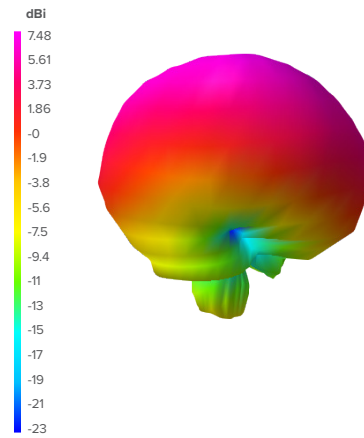
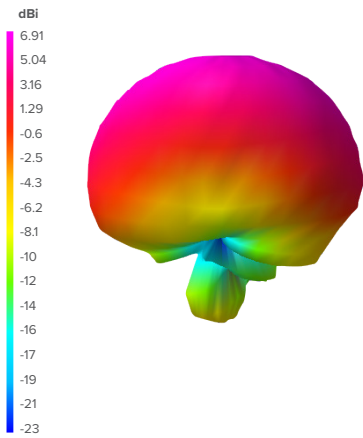
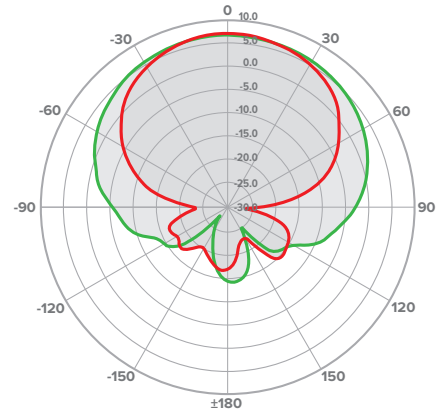
700 MHz



800 MHz



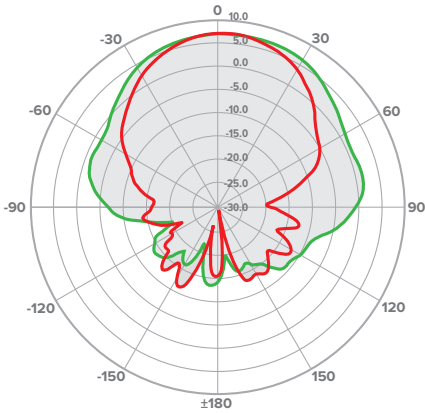
900 MHz



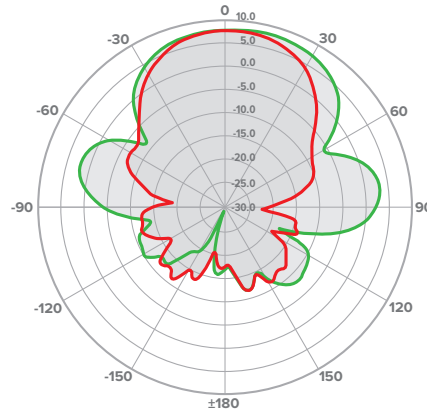
# Radiation Patterns

■ Azimuth (horizontal) ■ Elevation (vertical)

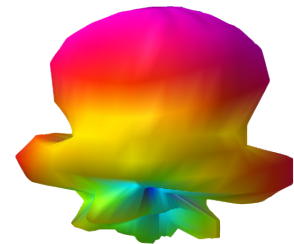
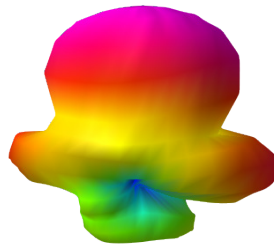
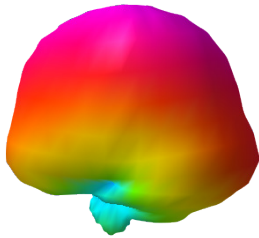
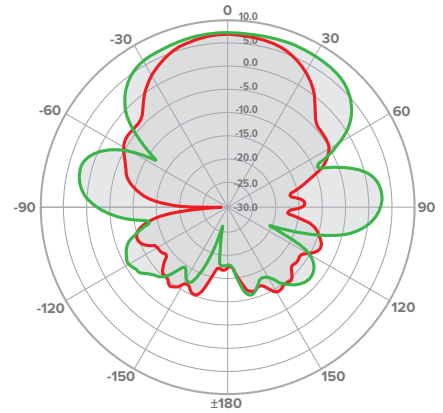
1700 MHz



1900 MHz



2100 MHz



## Support

✓ 2 Year Warranty