

LOG PERIODIC ANTENNA

High Performance Wide Band Log Periodic Antenna



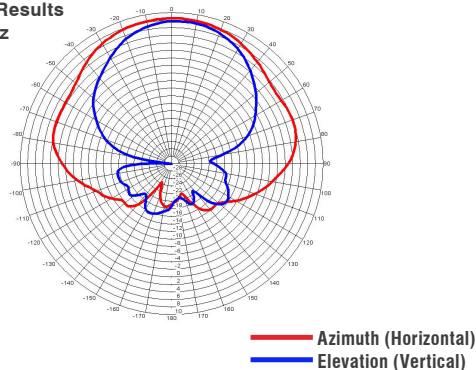
314411 - N-Female (shown)
314475 - F-Female

- Works on all worldwide cellular bands for voice and 4G data: LTE/CDMA/GSM/UMTS/AWS
- High performance for weBoost cellular repeater-boosters: 8 to 10 dBi broadband
- 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

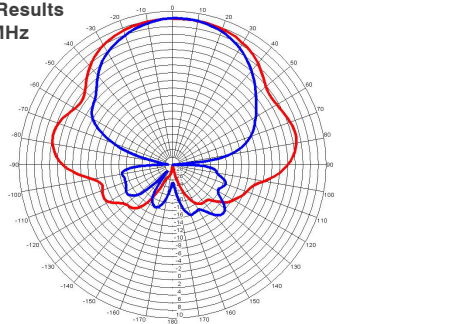
ELECTRICAL SPECIFICATIONS

Frequency range (MHZ)	698-960 / 1710-2700
Polarization	Vertical / Horizontal
Gain(dBi)	8.5 Avg / 9.5 Peak
Half-power beam width(°)	Low Band: 100-109 Horiz, 65 Vert
Half-power beam width(°)	High Band: 70-85 Horiz, 55 Vert
Front-to-back ratio(dB)	≥10 AVG
Impedance(Ω)	50 (314411) 75 (314475)
VSWR	≤1.6:1 / 1.4:1 avg
Maximum input power(W)	100
Lightning Resistance	DC Ground

Actual Test Results
698-960 MHz
Typical



Actual Test Results
1700-2700 MHz
Typical



MECHANICAL SPECIFICATIONS

Model	314411	314475
Connector	N-Female	F-Female
Dimensions (in / mm)	11.75x8.25x2.50 / 300x210 x65	
Dimensions, boxed (in / mm)	13.50x8.25x3.25 / 385x215 x82	
Antenna weight (lb / kg)	1.8 / 0.8 with bracket	
Packing weight (lb / kg)	2.0 / 0.9	
Wind loading area (sq ft / m)	≤2.13 / 0.2	
Rated wind velocity (mph / kph)	90 / 144	
Mounting mast diam. (in / mm)	1.5-2.0 / 40-50	
Radiator material	Aluminum	
Radome material	ABS Anti UV	
Radome color	White	
Water resistance	IPX Weather rated	
Operating temperature(°C / F)	-40 to +55 / -40 to +131	

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