

L001067-01

Log Periodic 617-6000MHz 5G Antenna

L001067-01 antennas are ultra-wideband log periodic antennas.

Because they cover both cellular and WLAN global frequencies, they are very useful for CPE and base station equipment. This minimizes the amount of equipment needed for each service location. The antennas can be used both indoors or outdoors and come complete with all components needed for pole or wall mounting. The pigtail cable is an 18-inch outdoor rated cable terminated with an N female connector as standard. Other connector/cable configurations may be available upon request.

FEATURES

- Covers both cellular and WLAN frequencies
- Pole mount or wall mount with supplied mounting hardware
- Aesthetic appearance
- UV protected housing

APPLICATIONS

- Cellular / 5G / WLAN repeaters
- Indoor/outdoor
- Cellular / WLAN extenders
- WISP equipment
- Non-line of sight (NLOS)

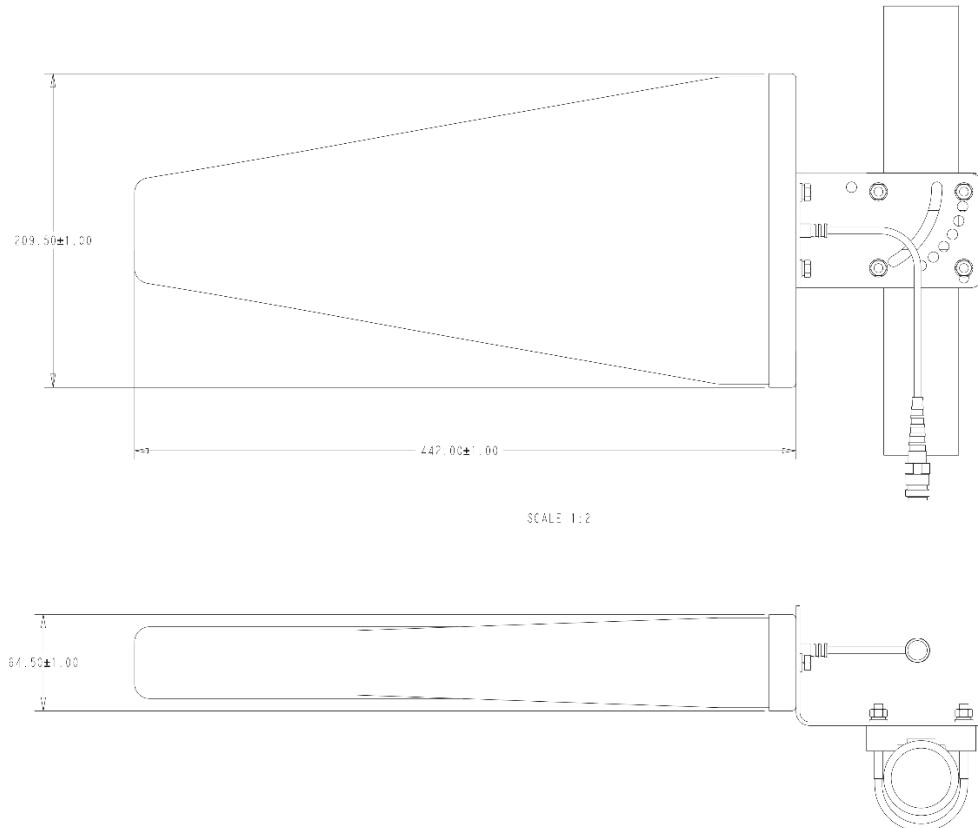
SPECIFICATIONS

ELECTRICAL				
Frequency range (MHz)	617-960	1695-2700	3300-4200	4800-6000
Polarization	Vertical			
Gain (dBi)	7.0	7.5	9.0	8.0
Horizontal beam width (°)	100	90	80	65
Vertical beam width (°)	65	80	80	45
Front-to-back ratio (dB avg.)	21.0	23.0	15.0	15.5
Impedance (Ω)	50			
VSWR	≤1.8			
Maximum power (W)	50			

MECHANICAL

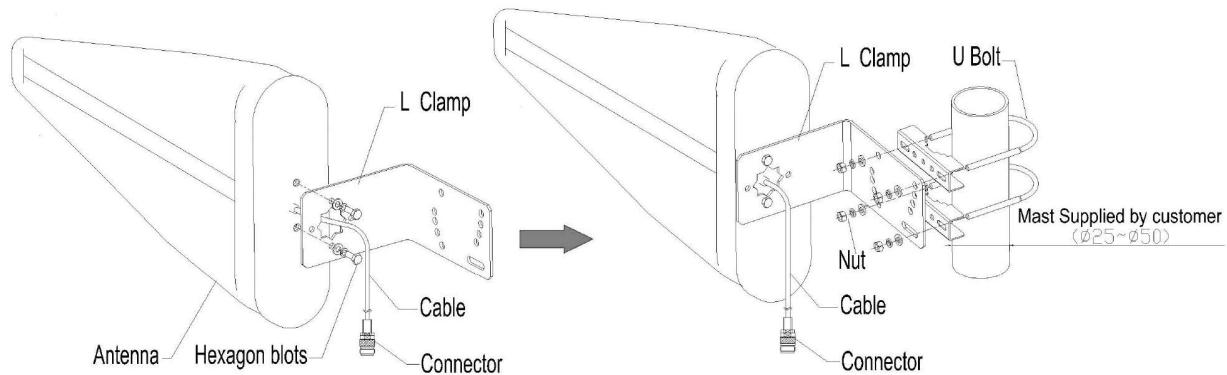
Connector	N Female
Exposed cable size (cm)	30
Antenna size mm (in.)	440 x 210 x 65 (17.3 x 8.3 x 2.6)
Weight kg (lbs.)	1.0 (2.20) Antenna Only - Not Including Mounting Bracket
Radome material	ABS
Radome color	White
Operating temperature °C (°F)	-40 to +85 (-40 to 185°F)
Application	Indoor / Outdoor
Mechanical tilt (°)	0 to 60
Rated wind velocity mph (km/h)	125 (201)
Suitable pole diameter mm (in.)	Ø25-50 (0.98-1.97)
Mounting kit	Included

MECHANICAL DRAWINGS

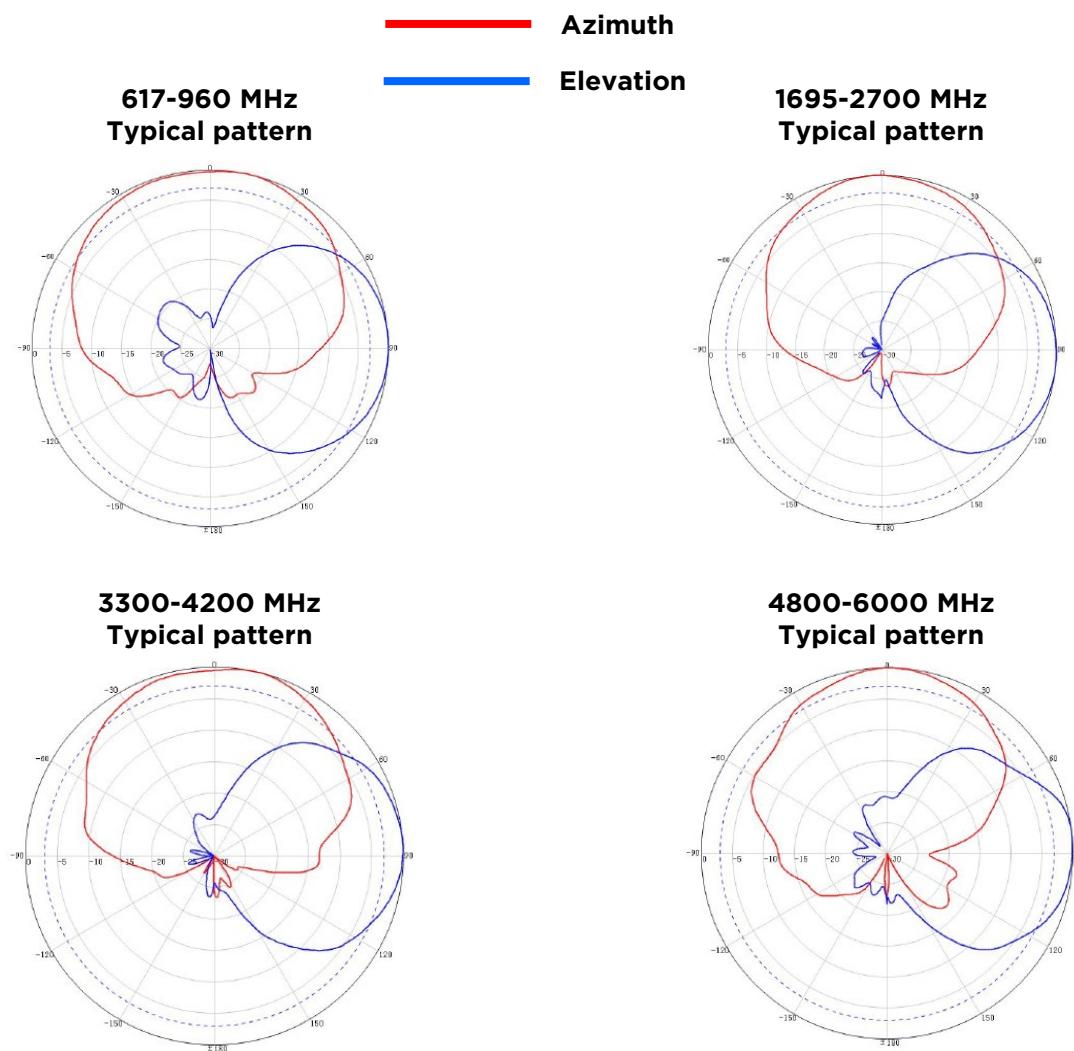


Note: Ensure that the antenna is installed with the drip hole at the bottom to avoid water penetration into the antenna.

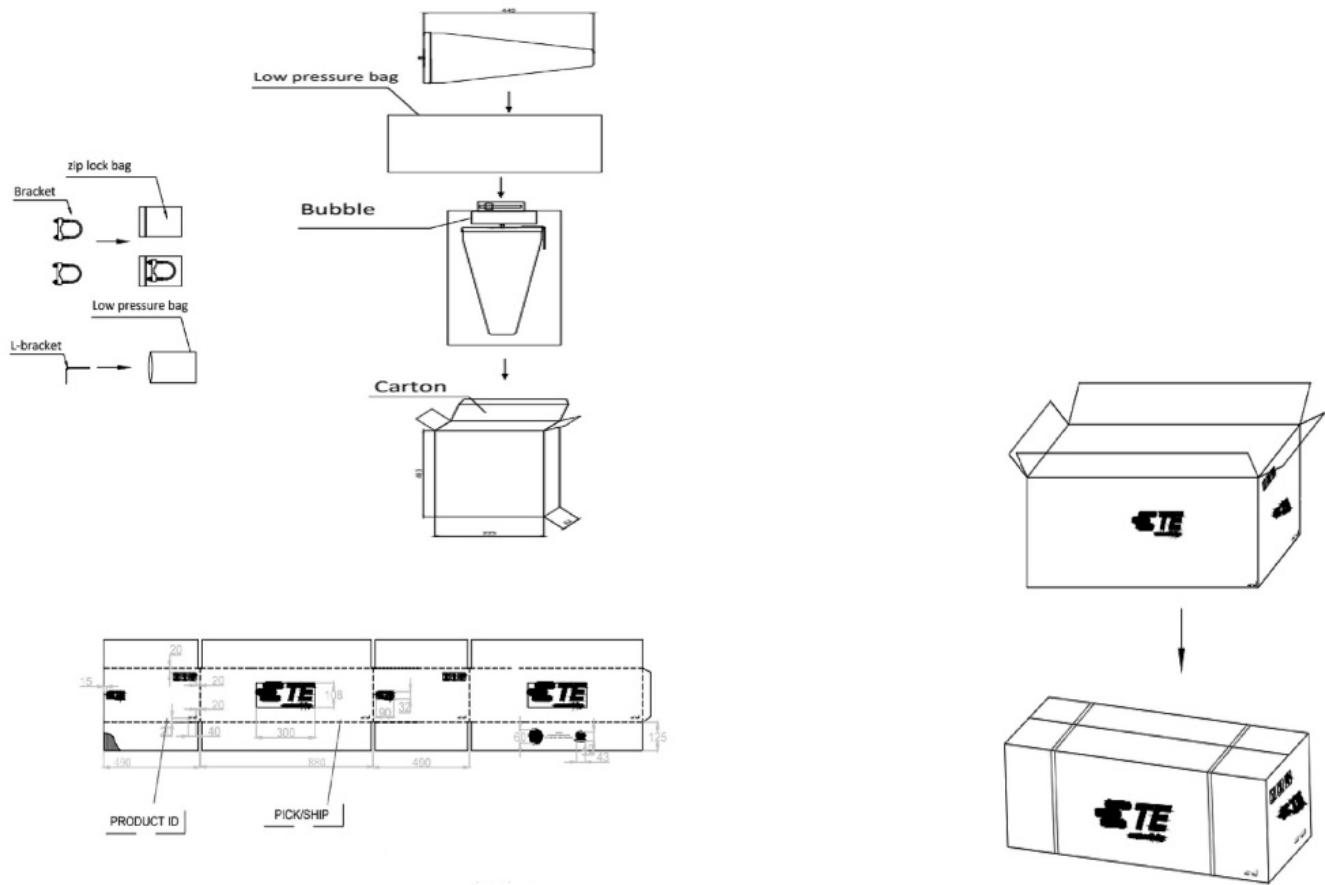
INSTALLATION SKETCH



RADIATION PATTERNS



PACKING INFORMATION



PACKAGED DIMENSION	UNIT CARTON	MASTER CARTON
Number of Antennas	1	6
Length - cm (in)	48.3 (19.02)	50 (19.69)
Width - cm (in)	22.3 (8.78)	27 (10.63)
Height - cm (in)	8.4 (3.31)	48 (18.90)
Est. Shipping Weight - kg (lbs.)*	1.44 (3.18)	9.84 (21.69)

* Including mounting hardware

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