



# L001066-01

## 380-450 MHz Omnidirectional Outdoor Mast-Mountable Antenna

The L001066-01 antenna has a wideband frequency coverage from 380-450 MHz.

The antenna is mast mountable, using the supplied mounting hardware, for masts and poles from 40-70mm in diameter.

Suitable for indoor or outdoor applications.

### FEATURES AND BENEFITS

- Wideband frequency coverage (380-450 MHz)
- Rugged radome
- Suitable for indoor and outdoor operations
- Mast mountable with supplied bracket

### SPECIFICATIONS

ELECTRICAL SPECIFICATION	
Operating Frequency (MHz)	380 - 450
VSWR - Max	<1.5
Peak Gain Max (dBi)	2.5
Average Efficiency %	76
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
E-Plane Beamwidth	58°
H-Plane Beamwidth	360°
Polarization	Vertical

### APPLICATIONS

- 400 MHz and UHF operations
- Indoor/outdoor
- Broadcast
- Wireless access systems
- Trunking communications

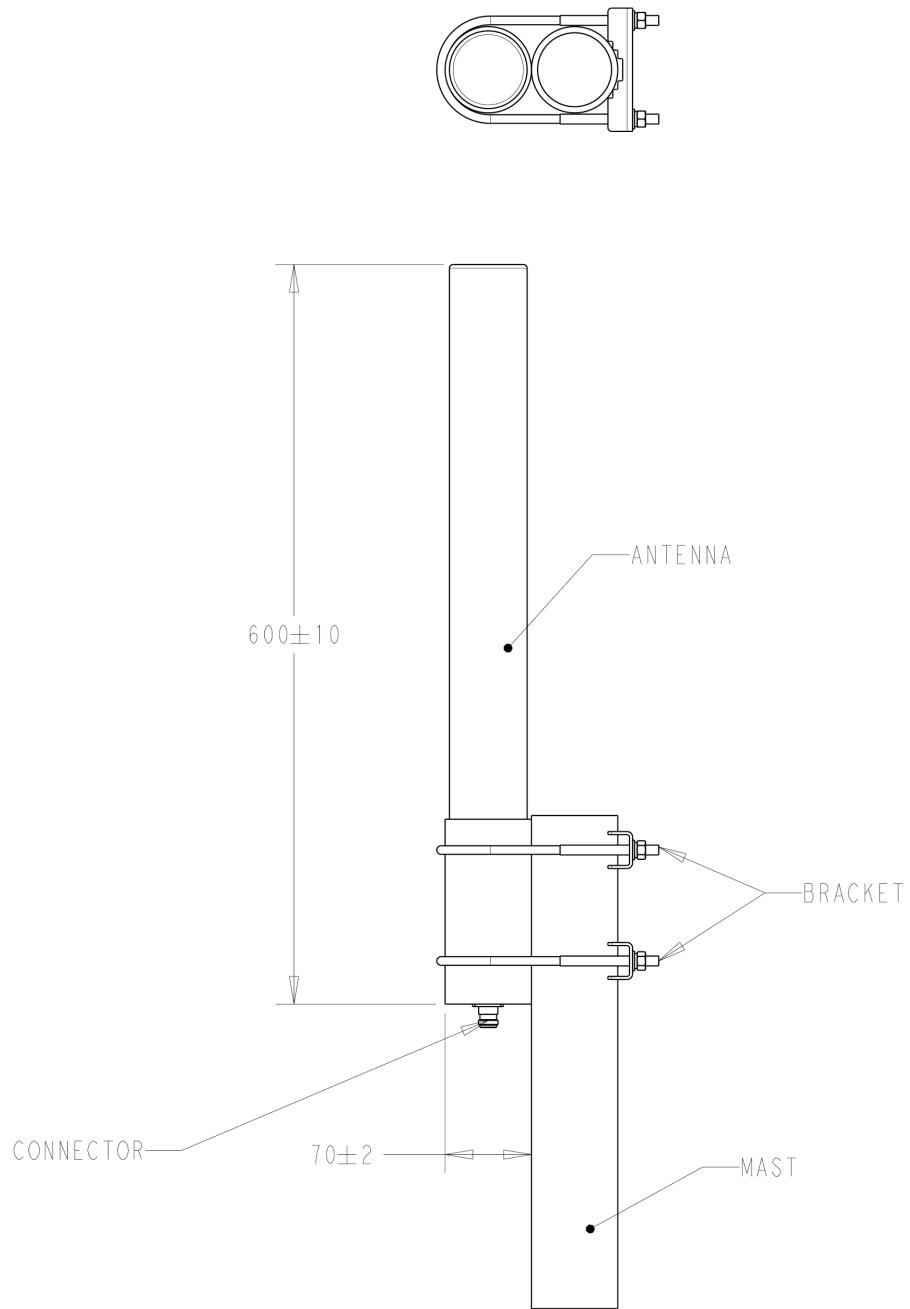
### MECHANICAL SPECIFICATION

Dimensions - Height x Diameter - mm (in.)	600 x 70Ø (23.6 x 2.8Ø)
Weight - kg (lbs.)	1.7 (3.75)* *Antenna Only - Not Including Mounting Bracket
Connector	N-Type Female
Radome Color / Material	White - Fiberglass
Mounting	Pole/Mast - Bracket Supplied
Max Mast Diameter - mm (in.)	70 (2.8)

## ENVIRONMENTAL SPECIFICATION

Operating Temp. °C (°F)	-40 to +85 (-40 to 185)
Storage Temperature °C (°F)	-40 to +85 (-40 to 185)
Material Substance Compliance	RoHS Compliant CE & UKCA Compliant

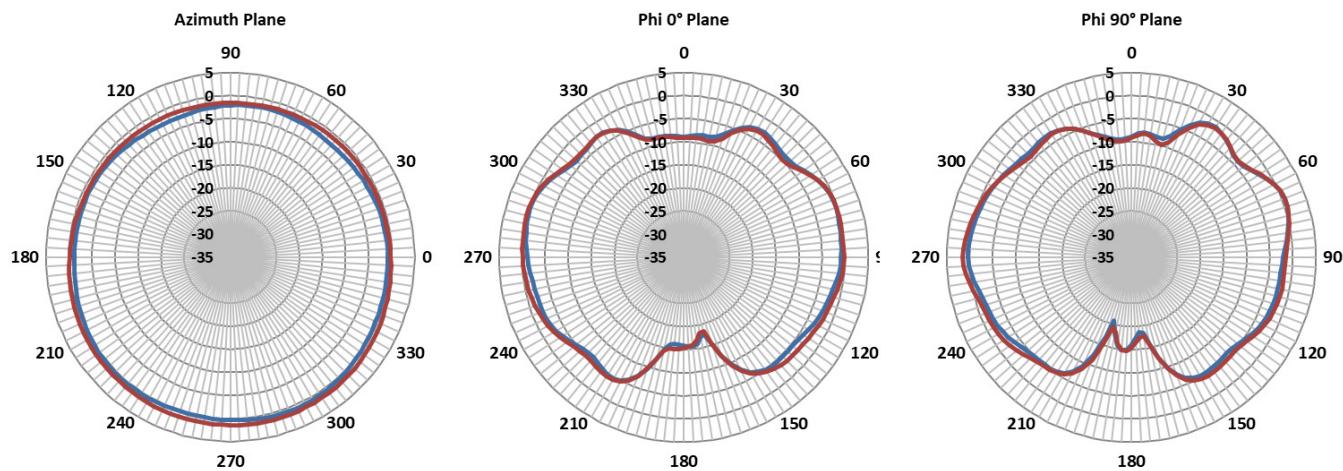
## MECHANICAL DRAWING & INSTALLATION SKETCH



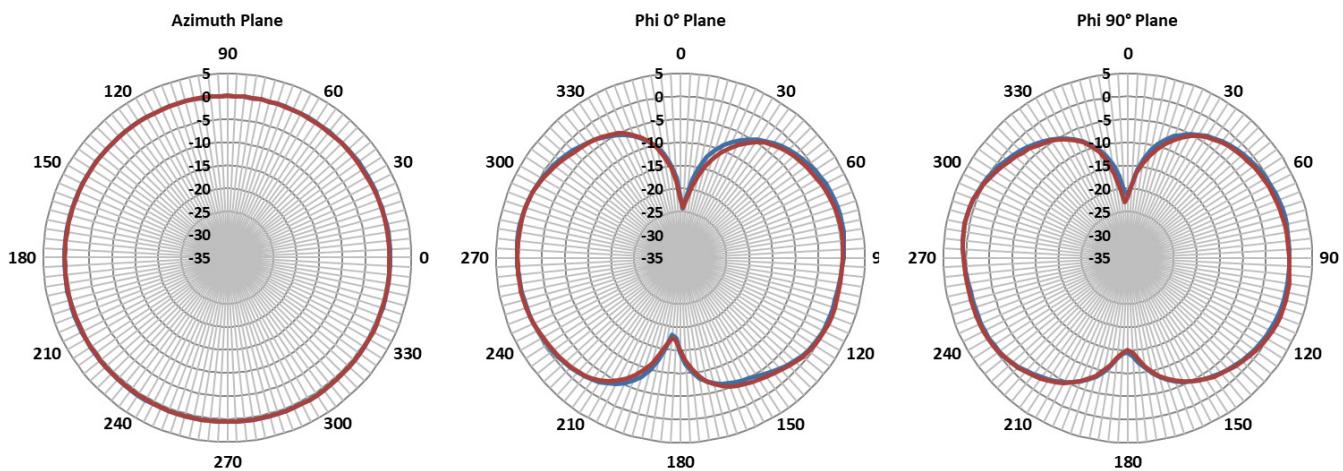
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## RADIATION PATTERNS

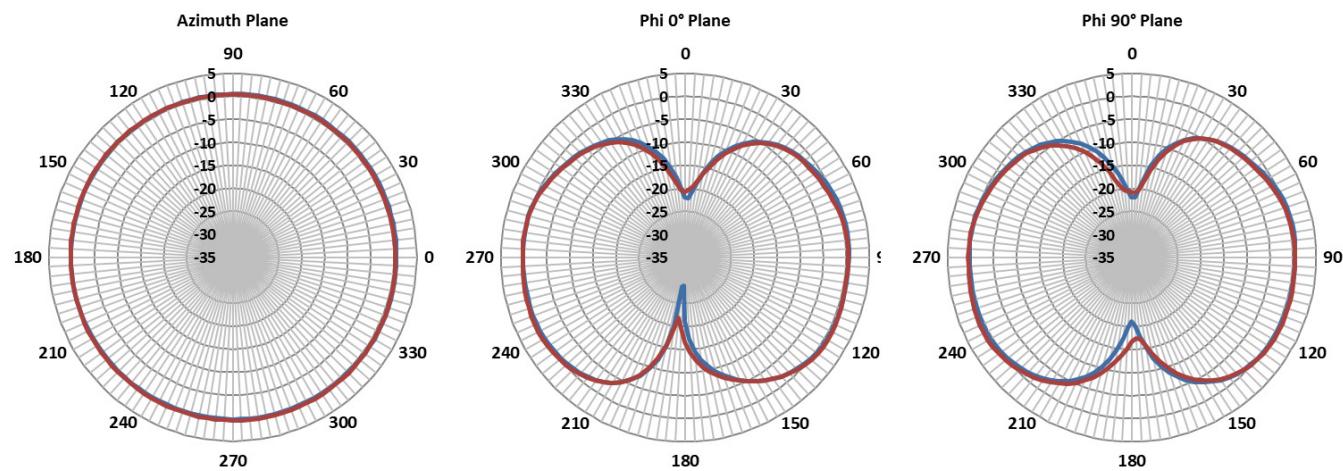
### Radiation Patterns at 380 MHz



### Radiation Patterns at 400 MHz

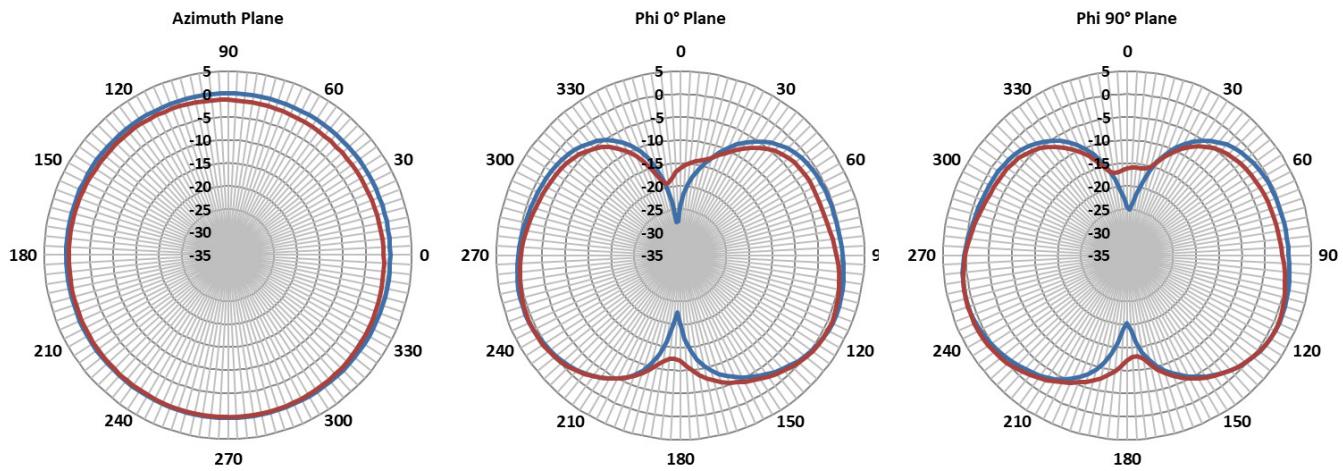


### Radiation Patterns at 415 MHz

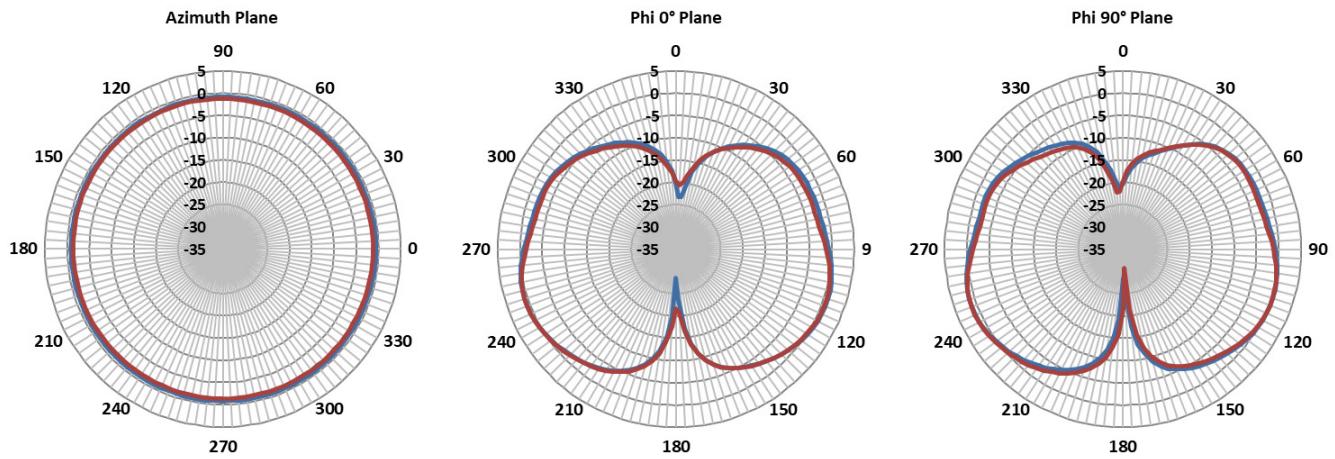


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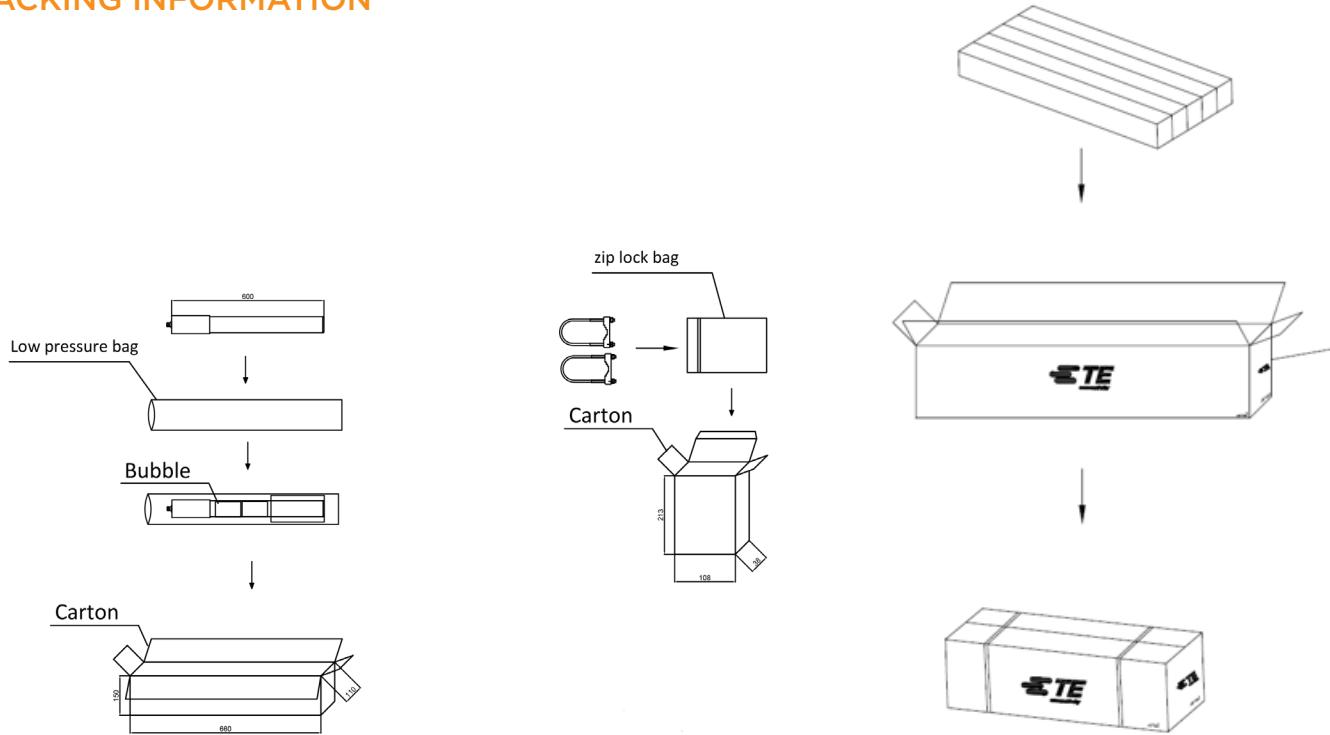
## Radiation Patterns at 430 MHz



## Radiation Patterns at 450 MHz



## PACKING INFORMATION



PACKAGED DIMENSIONS	UNIT CARTON	MASTER CARTON
Number of Antennas	1	5
Length - cm (in)	66 (25.98)	68 (26.77)
Width - cm (in)	11 (4.33)	58 (22.84)
Height - cm (in)	15 (5.91)	20 (7.87)
Est. Shipping Weight - kg (lbs.)*	2.35 (5.181)	14.42 (31.79)

\* Including mounting hardware

### TE TECHNICAL SUPPORT CENTER

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