



L001065-01

400-430 MHz Outdoor Omnidirectional Mast-Mountable Antenna

The antenna has a wideband frequency coverage from 400-430 MHz with an average VSWR of <2.0:1 and a max gain of 6.0 dBi.

The antenna is mast mountable, using the supplied mounting hardware, and suitable for masts and poles from 40-50mm in diameter for indoor or outdoor applications.

FEATURES AND BENEFITS

- Wideband frequency coverage (400-430 MHz)
- Rugged radome
- Suitable for indoor and outdoor operations
- Mast mountable with supplied bracket

APPLICATIONS

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

ELECTRICAL SPECIFICATION

Operating Frequency (MHz)	400-430
VSWR - Average	<2.0:1
Peak Gain - Max (dBi)	6.0
Total Efficiency Average (%)	77
Average 3 dB Beamwidth (°)	29
Input Max Power (W)	100
Polarization	Linear, Vertical
Azimuth Beamwidth (All Models)	360°, Omnidirectional
Nominal Impedance (Ohms)	50

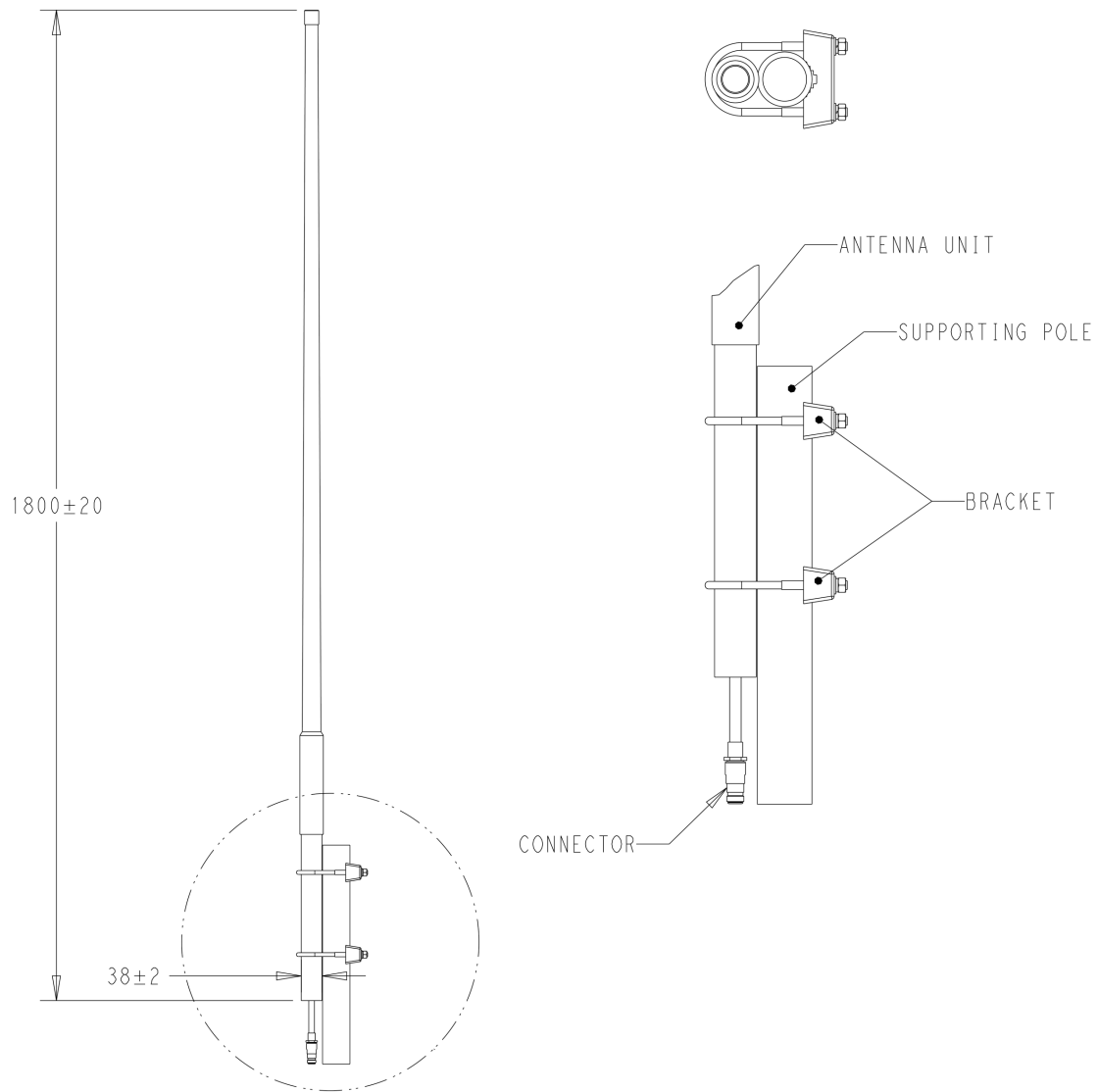
MECHANICAL SPECIFICATION

Dimensions - Height x Diameter - mm (in.)	1809 x 46Ø (71.22 x 1.81Ø)
Weight - kg (lbs.)	1.6 (3.5)* Antenna Only - Not Including Mounting Bracket
Radome	Fiberglass
Connector	N-Type Female
Cable Length - cm (in.)	50 (19.7)
Mast Mounting Diameter - mm (in.)	40 - 50 (1.57 - 1.97)

ENVIRONMENTAL SPECIFICATION

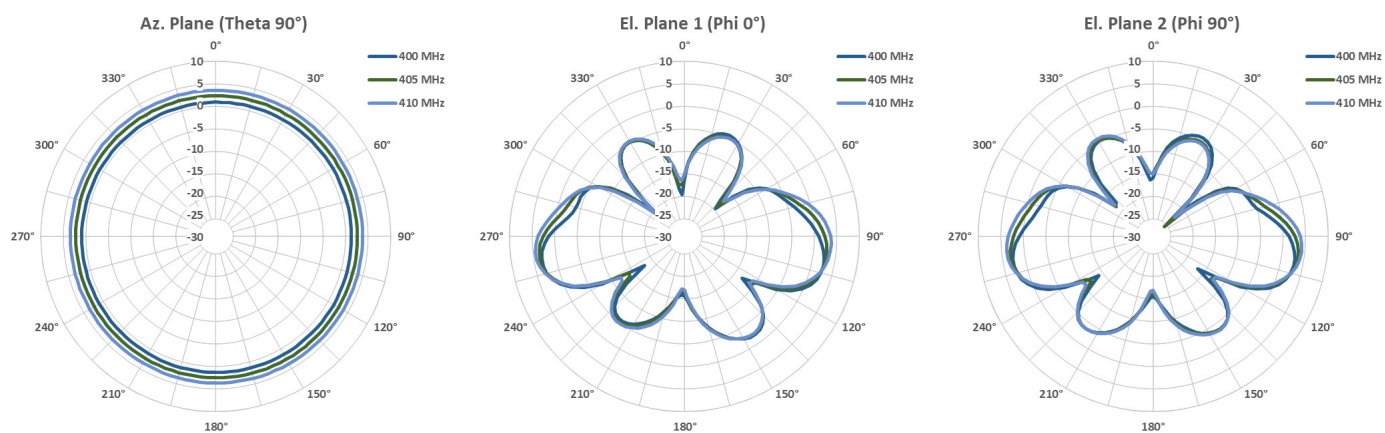
Operating Temperature - °C (°F)	-40 to +85 (-40 to 185)
Storage Temperature - °C (°F)	-40 to +85 (-40 to 185)
Material Substance Compliance	RoHS Compliant CE & UKCA

MECHANICAL DRAWING & INSTALLATION SKETCH

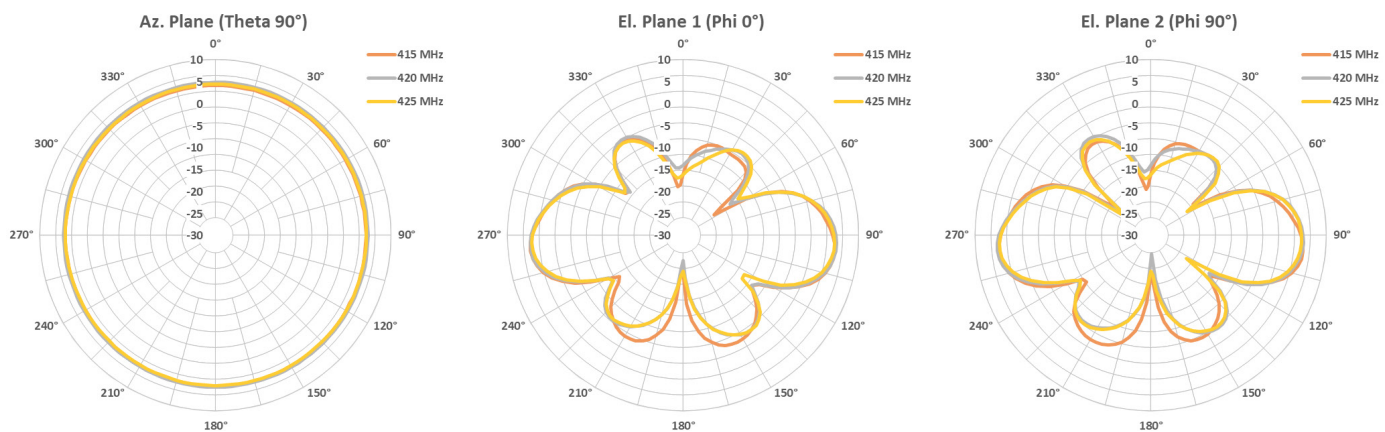


RADIATION PATTERNS

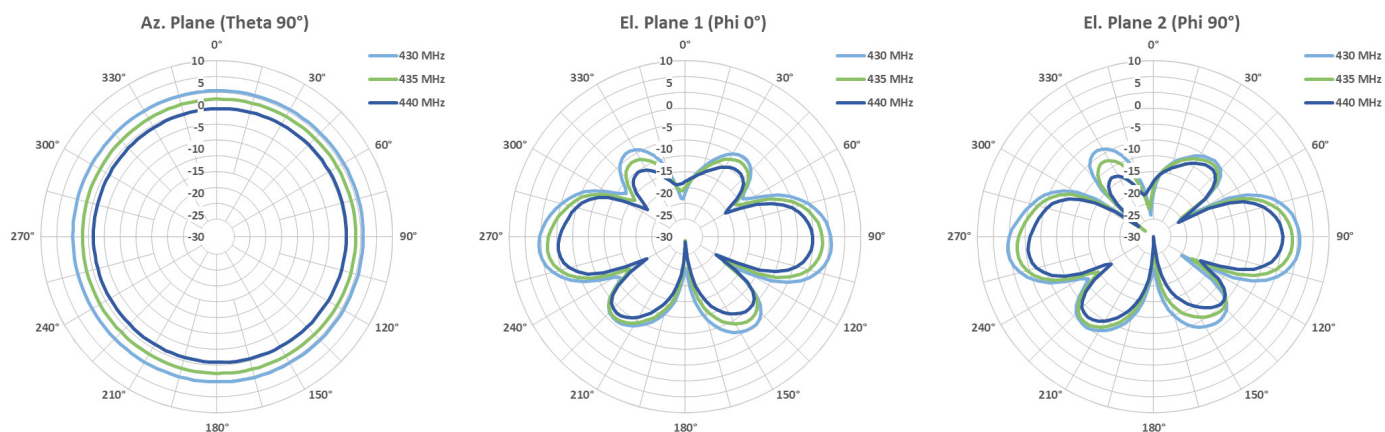
Radiation Patterns at 400 MHz



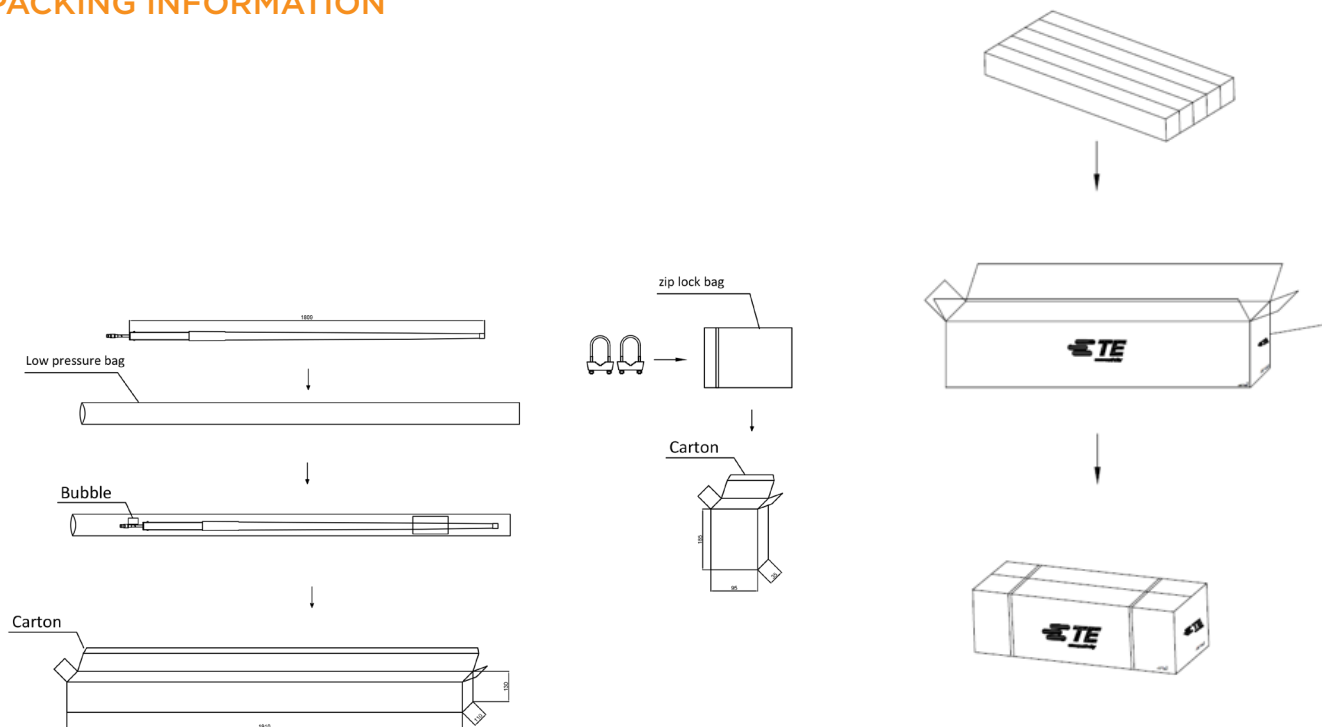
Radiation Patterns at 415 MHz



Radiation Patterns at 430 MHz



PACKING INFORMATION



PACKAGED DIMENSIONS	UNIT CARTON	MASTER CARTON
Number of Antennas	1	5
Length - cm (in)	191 (75.20)	193 (75.98)
Width - cm (in)	11 (4.33)	58 (22.84)
Height - cm (in)	13 (5.12)	18 (7.09)
Est. Shipping Weight - kg (lbs.)*	2.76 (6.09)	18.99 (41.87)

* Including mounting hardware

TE TECHNICAL SUPPORT CENTER

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