

WIDEBAND LTE AND TETRA ANTENNA

HIGHLIGHTS

- Covers all LTE frequencies from 380MHz to 3GHz without compromises in performance
- Up to 7dBi gain
- Easy to use 4-bolt flange mount
- Does not require ground plane – mast installation possible
- Extremely robust

DESCRIPTION

proTAC 5315 is designed to cover all LTE frequencies thus being an ideal solution for any LTE modem worldwide. It is based on the Promarine's leading design that brings 20-70% radiation efficiency advantage compared to industry standard antennas. This can be directly seen as improved data and range even in severe conditions.



TECHNICAL SPECIFICATIONS

Electrical Specifications (TA=25°C)	
Frequency range	380MHz-3GHz
Antenna gain	up to 7dBi
VSWR	<2.0
Impedance	50 Ohm
Polarisation	Vertical
Horizontal Radiation Pattern	Omnidirectional
Antenna type	Vertical monopole
Power handling (continuous total)	250W
Static discharge / Lightning protection	DC-grounded
DC shorted	Yes
Connector	N-female

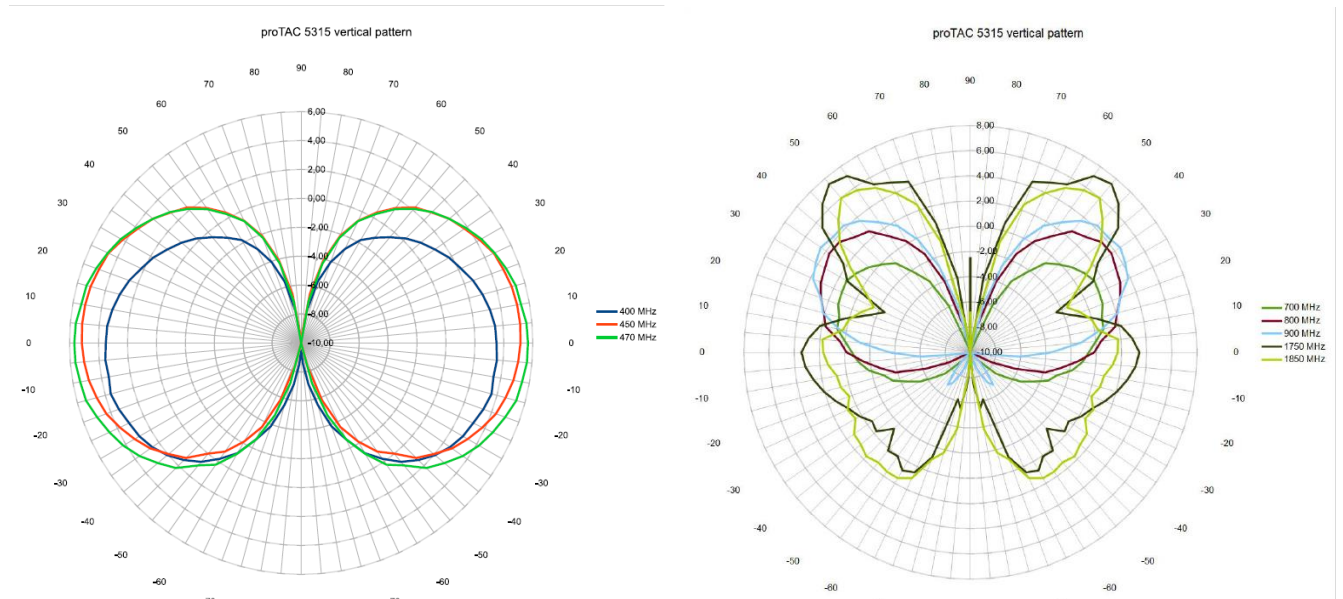
Mechanical and Environmental properties (TA=25°C)	
Dimensions	Height: 240mm Width: 90/140mm (radome / base plate)
Weight	1kg
Material	Plastic radome (ABS), aluminium base
Mounting	140mm flange mount (NATO mount) with 4x11mm holes DCD 115mm
Ingress protection	IP68 with O-ring / IP66 without O-ring *
Wind rating	55 m/s
Operational environment continuous	-40° - +85° C
Color	RAL5000 radome black base
Order code	ANT5315

*An IP68-rated product can be submerged up to 1,5m for up to 30minutes when installed on a waterproof surface and supplied O-ring seals the connector area.

An IP66-rated product is protected against sprayed water, but the connector area is not sealed by an O-ring, allowing water access to the connector.

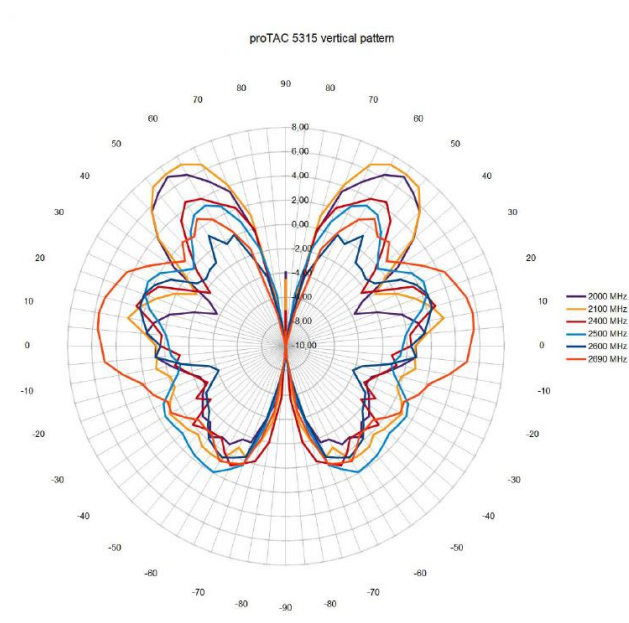
RADIATION PATTERN

proTAC5315 is a vertical monopole variant. Horizontal radiation pattern is omnidirectional and close to a symmetric. Vertical pattern is affected by the ground plane / installation location that the antenna is mounted on.



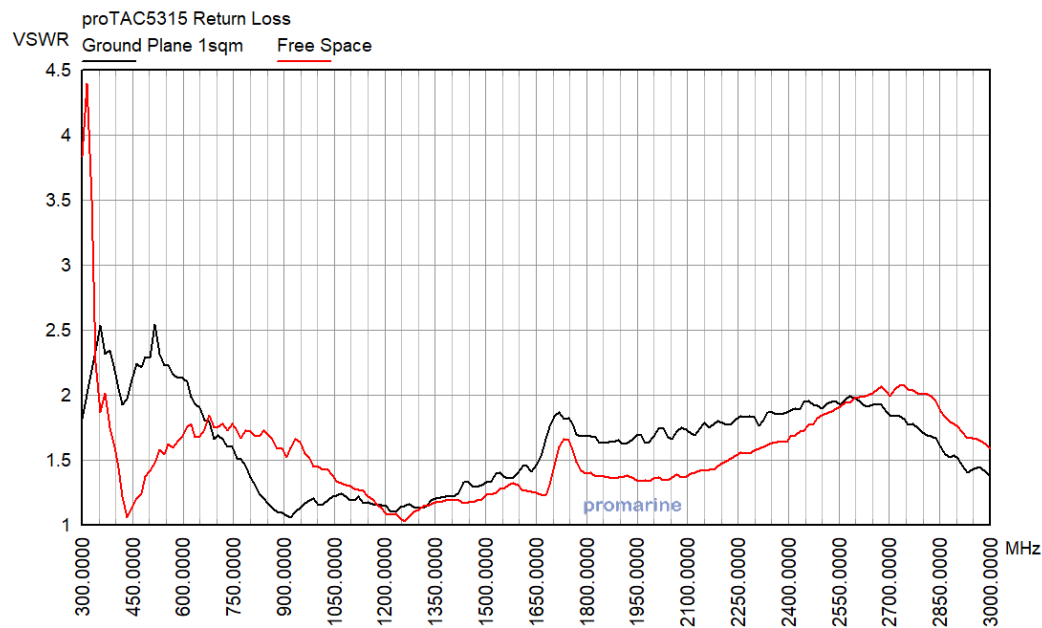
RADIATION PATTERNS ON TETRA AND LTE450 BANDS, NO MOUNTING ACCESSORY

RADIATION PATTERNS ON LOW LTE BANDS, NO MOUNTING ACCESSORY



RADIATION PATTERNS ON HIGH LTE BANDS, NO MOUNTING ACCESSORY

VOLTAGE STANDING WAVE RATIO (VSWR)



MOUNTING DIMENSIONS

