LUXUL

Simply Connected

TMA-44A-305VT

Shown with optional
NATO mount and POC Injector

PRODUCT OVERVIEW

Luxul's Tactical Mesh Antenna (TMA) is designed for use in rugged and mobile wireless networking applications. TMA construction is highly durable and water resistant, while the small footprint and low profile design makes it an ideal solution for mounting on vehicles or in other space constrained applications.

Each TMA type is available in two options: 1) Standard; and 2) High Performance (HP-TMA). The standard TMA generally operates and performs in the same manner as a generic antenna with a similar gain rating, while the HP-TMA is designed to significantly increase signal coverage while maintaining the same pattern characteristics of the standard TMA.

Results may vary depending on environmental factors, interference, cable length and type, etc.

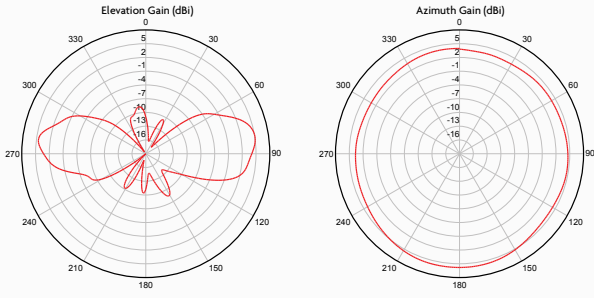
This device is available for use by United States Military or Export only.

FCC Notice: The use of all radio equipment is subject to regulations in each country. To comply with FCC part 15 rules in the United States, radio equipment must only be used in systems that have been FCC certified. It is the responsibility of the user/professional installer/operator to ensure that only approved equipment/systems are deployed.

This product is covered by one or more U.S. and foreign patents. Patents: 7,783,270, 7,379,717, 6,606,075, 6,373,448, other patents pending

High PerformanceTactical Mesh Antenna 4.4-4.8GHz Omni Antenna

TMA-44A-305VT TECHNICAL SPECIFICATIONS

Operating Range	4400 to 4800 MHz
Operating Temp	-40F (-40C) to +158F (70C)
Polarization	Linear-Vertical
Antenna Gain	5dBi
Azimuth Beam Width	360°
Elevation Beam Width	35°
VSWR	‹ 2.0 : 1
Impedence	50 Ohm
EIRP	35dBm peak, 30dBm max average
Receive Gain	18dB Typical
TX Input Power	+8dBm to +20dBm
Receive Noise Figure	4.5dB Typical
Power Consumption	3W typical (RX) 8W typical (TX)
Power Options	Power Over Coax (POC)
DC Input Voltage	▸ 36-57 VDC for an operational temp. range of -40F (-40C) to +158F (70C) ▸ 24-57 VDC for an operational temp. range of -4F (-20C) to +158F (70C)
Connector	N Female
Radome Material	Impact-Resistant, UV-Stabilized Polycarbonate
TMA Height	5.5 in. (140mm)
TMA Diameter	4.4 in. max (112mm)
Color	Desert Tan
Radiation Pattern	

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