



Multi-band Diversity/MIMO Antenna, LTE, WiFi & GPS

- 5-cables, multi-band antenna for Global LTE MIMO, WiFi MIMO & GPS
- Single mounting hole; easier installation
- Covers all LTE frequencies worldwide
- Mechanically sound, meets Industrial & Military specs

Model Configurator

Mobile Mark's LTM502 Series antenna contains five separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas, two dual-band WiFi antennas, and one GPS antenna. The LTM502 differs from the LTM501 in that the broadband LET/Cellular element covers all LTE frequencies worldwide, from 694-3700 MHz.

MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 5-elements, the new LTM antenna is ideal for fleet management systems that combine GPS with both any Global LTE MIMO modem as well as WiFi MIMO modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), 5.5" (140mm) x 2.78" (70.6mm) with the magnet mount, LTM series antennas take up significantly less space than multiple antennas and cut down on installation time and costs by offering a single mounting hole.

Cable/Connector 1 Cable/Connector 2 Cable/Connector 3 Cable/Connector 4 Cable/Connector 5 Color Cable Length in Inches (eg. 12 or 180)							
Example: LTM502-3C3C3J3J2C-WHT-180							
Specify "MLTM" instead of "LTM" for Magnet Mount Option							
	•		J				
	Options:	Connector Options:		Color Options:			
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	<u>Color</u>		
1	RG-58	Α	TNC	WHT	White		
2	RG-174	C	SMA	BLK	Black		
3	RF-195	D	SMB				
		E	MCX				
		J	RP SMA				
		K	RP TNC				
(Other Configurations available					ations available.)		

Specifications			
Frequency & Gain (peak)*: Cable 1 & 2 (LTE)	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi	Radome Material: Operating Temperature: Connectors:	ASA UV-Stable Plastic -40 to +80° C SMA Plugs - Standard,
Cable 3 & 4 (WiFi)	2400-2500 MHz, 5 dBi 4900-6000 MHz, 5 dBi	Cable:	Others Available
Cable 5 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Cable 1-4	Separate RF-195,15 ft (4.5m)
VSWR*:	2:1 VSWR over Range	Cable 5 (GPS)	RG-174, 15 ft (4.5 meters)
Impedance:	50 Ohm Nominal	Mounting:	7/8" (22mm) Dia. Feed through
Maximum Power:	10 Watts	_	3/4"(19mm)Long Thread for
Case:	5 50" Dia v 2 70" Uigh		up to 1/2" (13mm)thick surface
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)	Shock & Vibration:	IEEE1478, EN61373, MIL-810G,
	(14011111 × 00.411111)		TIA 329.2-C
Magnet Mount	5.50" Dia. x 2.78" High	Water Ingress:	IP67
	(140mm x 70.6mm)		
			*Measured on 1' ground with 1' cable