



**CLTM302
 Antenna**

Mobile Mark's CLTM302 Series Ceiling Mount antenna contains either a single element or two separate antenna elements in one compact antenna housing. The antenna covers all Cellular/LTE applications worldwide from 694 MHz - 3700 MHz.

LTE 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. LTE MIMO system use multiple antennas on both the transmission and receive ends. Non-MIMO systems would use a single antenna element.

This CLTM302 antennas are designed for DAS & In-Building systems that use either a single Global LTE antenna element or 2-elements for Global LTE MIMO. For systems that add in a WiFi modem, the CLTM502 (for WiFi MIMO modems) and the CLTM402 (for non-MIMO WiFi modems) are recommended.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), CLTM series antennas take up significantly less space than multiple antennas. The antenna is secured to the ceiling with a mounting clamp that fastened the antenna to the metal grid holding the ceiling tiles.

CLTM302 Ceiling Mount Global LTE MIMO

- 1-cable or 2-cables multi-band antenna for Global Cellular/LTE, including MIMO
- Antenna clamps to metal ceiling tile grid for easy installation
- Low Loss Fire Retardant LMR-195FR cable

Model Configurator

CLTM302---

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12)

Example: CLTM302-9Y9Y-WHT-12 (two elements)
 or CLTM302-9Y-WHT-12 (for single element)

<u>Cable Options:</u>		<u>Connector Options:</u>		<u>Color Options:</u>	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>
9	LMR-195FR	JA	RP SMA jack	WHT	White
		KA	RP TNC jack	BLK	Black
		V	SMA jack		
		W	TNC jack		
		Y	N jack		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi	Connectors:	N jack (female) standard
VSWR*:	2:1 VSWR over range	Cable (1 or 2)	Single cable or two cables, one cable per antenna element; LMR-195FR, 1ft (30.5 cm)
Impedance:	50 Ohm Nominal	Mounting hardware:	Clamp to mount antenna to ceiling tile grid included
Maximum Power:	10 Watts	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Case:	5.50" Dia. x 2.38" High (140mm x 60.4mm)		
Radome Material:	ASA UV-Stable Plastic		
Operating Temperature:	-40° to +80° C		