

# LMW302

## PRODUCT OVERVIEW

The 3-cable LMW302 (2x LTE, GPS) Antennas include two Cellular LTE antennas, and one GPS antenna. This provides MIMO (multiple-input multiple-output) coverage for Cellular LTE. For GPS, the performance is 26 dB amplifier gain with 5 dBi RHCP nominal antenna gain. The antennas have low noise figure with excellent filter characteristics.

This antenna covers Cellular bands, worldwide. In the US, this includes the CBRS (Citizen Band Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz.

Measuring 1.50" (38mm) in height by 3.50" (89mm) in diameter the LMW302 significantly takes up less space than multiple antennas. This low profile antenna is effective in applications where tall vehicles have specific height restrictions. Otherwise it is used in Fixed Site Applications where vandalism is a risk.

For GNSS model use LMWG302 - for LL-195 cables replace 7's with 3's

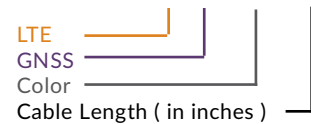
Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	695-960 MHz, 0-3 dBi 1710-3700 MHz, 4 dBi
	GPS Cable 3	1575.42 +/- 2 MHz LNA 26 dB, 5 dBi
	GNSS Option	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi
VSWR	< 2.5:1	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GPS/GNSS	Amplifier Gain & Bias Voltage	26 dB 3 to 5 VDC
	Noise Figure	2.0 dB max, 1.7 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Stable Plastic, Available in White
Radome Dimension	1.50" (38mm) T x 3.50" (89mm) dia.
Weight	1.0 Lbs (.45 kg)
Standard Connectors	SMA Plugs ( Male ), other options available
Cables 1 & 2	LMR-100, 15-feet ( 152 cm )
GPS or GNSS Cable 3	RG-174, 15-feet (152 cm)
Operating Temperature	-40° to +80° C
Mounting	Thru Hole, Ground Plane Dependant
Shock & Vibration	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C
Water Ingress	IP x7 When Properly Mounted



LOW PROFILE ANTENNA

LMW302-7C7C2C-WHT-180



### HIGHLIGHTS:

- Multiband: 2x LTE, 1x GPS
- Covers CBRS at 3.55-3.7 GHz and Band 71 at 617-698 MHz
- Made-in-the-USA & UK

### RELATED MODELS:

- LTM302 ( Same Freq, LTM ) Dif. Radome
- LLP302 ( Same Freq, LLP ) Dif. Radome
- LMWG302 ( GNSS Model )

### COMMON MARKETS:

- MIMO Modems for LTE/Cellular
- Tall Vehicles with Height Resitricions
- Fixed Site with Vandalism Risks
- Public Transportation