

# LLPG502

## PRODUCT OVERVIEW

The 5-cable LLPG502 (2x LTE, 2x WiFi, GNSS) Antennas include two Cellular LTE antennas, two WiFi antennas and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for both Cellular and WiFi. The GNSS element operates on GPS, Galileo, Glonass, QZSS or Beidou at 1561, 1575, & 1602 MHz. This Global LTE antenna covers: 694-960 & 1710-3700 MHz.

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 9" (22.8cm) in length by 3.50" (8.9cm) wide with a low profile of 1.25" (31.8cm) in height the LLPG502 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.

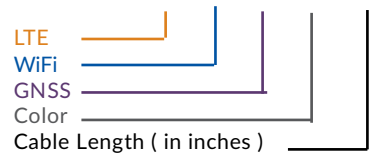
Visit our eStore to purchase a Low Profile Antenna Online.

Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694-960 MHz, 0-3 dBi 1710-3700 MHz, 4 dBi
	WiFi Cables 3 & 4	2.5-2.5 GHz, 4 dBi 4.9-6.0 GHz, 5 dBi
	GNSS Cable 5	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi
VSWR	< 2:1	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
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 Black or White	
Radome Dimension	9" ( 22.8 cm ) x 3.5" ( 8.9 cm ) x 1.25" ( 3.18 cm )	
Standard Connectors	SMA Plugs ( Male ), other options available	
Cables 1 - 4	LL-195, 15-feet ( 152 cm )	
GNSS Cable 5	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 67 When Properly Mounted	



### LOW PROFILE ANTENNA

LLPG502-3C3C3C3C2C-BLK-180



### HIGHLIGHTS:

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

### RELATED MODELS:

- LTMG502  
( Same Freq, LTM ) Dif. Radome
- MXFG502  
(Same Freq, MaxFin Design)
- LLPG508  
( 600 - 6000 MHz 5G Coverage )
- LLP502  
( GPS Model )

### COMMON MARKETS:

- MIMO Modems for both WiFi & LTE/Cellular
- Tall Vehicles with Height Restrictions
- Fixed Site with Vandalism Risks
- Public Transportation