

# LLPG408

## PRODUCT OVERVIEW

The 4-cable LLPG408 (2x Global 5G LTE, WiFi, GNSS) Antennas include two Global 5G LTE antennas, one WiFi antenna and one GNSS antenna. The GNSS element operates on GPS, Galileo, Glonass, QZSS or Beidou at 1561, 1575, & 1602 MHz. This Global LTE antenna covers: 617-960 & 1710-6000 MHz. If you are looking for a low profile 5G Ready antenna, this is the solution you've been looking for!

This antenna covers all 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 3.5" (8.9cm) wide with a low profile of 1.25" (31.8cm) in height the LLPG408 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. Also, many Multiband modems with Sub-6 5G pair perfectly with it.

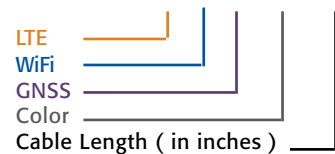
Electrical Specifications		
Frequency & Gain	Cables 1 & 2	LTE 617-700 MHz, 1 dBi LTE 700-960 MHz, 3 dBi LTE 1700-2700 MHz, 4 dBi LTE 3400-4200 MHz, 6 dBi LTE 4900-6000 MHz, 6 dBi
	Cable 3	WiFi 2.5-2.5 GHz, 4 dBi WiFi 4.9-6.0 GHz, 5 dBi
	Cable 4	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi
VSWR	< 2.5:1	
Impedance	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 - 3	LL-195, 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



## LOW PROFILE ANTENNA

LLPG408-3C3C3C2C-BLK-180



## HIGHLIGHTS:

- Multiband:  
2x Sub-6, 1x WiFi, 1x GNSS
- 5G Cellular: 617 - 6000 MHz
- Made-in-the-USA & UK

## RELATED MODELS:

- LTMG408  
( Same Freq, LTM ) Dif. Radome
- LLPG402  
( 695 - 3700 MHz Coverage )
- LLP408  
( GPS Model )

## COMMON MARKETS:

- Multiband Modems w/ Sub-6 5G
- Tall Vehicles with  
Height Resitrictions
- Fixed Site with Vandalism Risks