

## LLPG304

## Multiband Surface Mount 1xLTE/FirstNet, 1x UHF ,1x GNSS

### PRODUCT OVERVIEW

Mobile Mark's LLPG304 Series Multiband Public Safety antenna contains three separate antenna elements, all in one compact antenna housing: one broadband LTE/FirstNet/ Cellular antenna, one UHF antenna, and one combine GPS/Glonass antenna.

Broadband communications element covers 694-4200 MHz; includes bands for Cellular, LTE, FirstNet, and 5G-ready applications such as CBRS (Citizen Band Radio Services) at 3.7 GHz.

Low profile radome; designed for installation with height or width restrictions. Narrow enough to fit between the ribs on a Ford Explorer.

Measuring 9" (22.8cm) x 3.5" (8.9cm) with a low profile of 1.25" (3.18cm), the LLPG304 series antennas take up significantly less space than multiple antennas. The radome is available in black and white. The antenna is configured for combined GPS & Glonass use.



- Low Profile, Narrow Footprint
- Narrow enough to fit between the ribs on a Ford Explorer
- Data element covers all Cellular, LTE, FirstNet and Mid-range 5G frequencies

### SPECIFICATIONS

<b>Frequency/Gain</b>	
<b>Cable 1</b>	694-960 MHz, 3 dBi, 1710-4200 MHz, 4 dBi
<b>Cable 2</b>	450-470 MHz, 3 dBi
<b>Cable 3</b>	1575 & 1602 MHz, 5 dBi, 26 dB amplifier
<b>VSWR</b>	<2.5:1 VSWR (Cellular/LTE) <2:1 VSWR (UHF)
<b>Impedance</b>	50 OHm
<b>Maximum Power</b>	100 Watts
<b>GPS</b>	Amplifier Bias: 2.7 to 5 VDC Noise Figure: 2.0 dB max, 1.7 dB typical Current: 20 mA max, 10 mA typical
<b>Dimensions</b>	9"x3.5"x1.25" (22.8cmx8.9cmx3.18cm)
<b>Radome Material</b>	ASA UV-Stable Plastic
<b>Operating Temp</b>	-40° to +80° C
<b>Cable</b>	Cable 1-2: Separate LL-195, 15 ft (4.5m)
<b>Stud Mounting</b>	Thru hole, ground plane dependent
<b>Water Ingress</b>	IP67