

## PR-LTMWG940

PASSENGER RAIL ANTENNA (NFPA-130)

### PRODUCT OVERVIEW

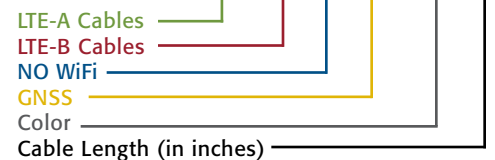
The PR-LTMWG940 is an 5-cable antenna with 4x 5G/LTE and 1x GNSS. With up to 5 antenna elements in a sleek small form factor, it is one of the smallest in the industry. The four Cellular elements can be used for Single-Carrier 4x MIMO 5G or Dual-Carrier 2x MIMO 5G. All of our 5G antennas are backwards compatible for 4G LTE. There are no WiFi elements in this model. It meets rail industry standard EN 50155 environmental and NFPA-130 fire safety requirements. Rail compliant conduit support is available as an option. Visit our [eStore](#) to purchase an Antenna Online.

Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 - 4	617 - 960 MHz, 2 dBi 1710 - 7200 MHz, 5 dBi
	GNSS Cable 5	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	5G/LTE	< 2.5:1 VSWR Over Range (with 12" LMR-100FR)
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Bias Voltage	3.3/5 VDC
	Gain	26 dB, 5 dBi
	Current	20 mA max, 10 mA typical

Mechanical Specifications		
Radome Material & Color	NFPA-130 Black Plastic	
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height	
1ft (304.8 mm) Pigtail Cables & Connectors Exiting Antenna	5G/LTE	LMR-100FR with SMA Plugs LTE-A (Green) & LTE-B (Red)
	GNSS	LMR-100FR with SMA Plug (Yellow)
Including 14ft (4.26 m) Jumper Cables & Connectors	5G/LTE	LMR-195FR with SMA Jack & SMA Plugs LTE-A (Green) & LTE-B (Red)
	GNSS	LMR-100FR with SMA Jack & SMA Plug (Yellow)
Operating Temperature	-40° to +80° C	
Mounting	7/8" (22 mm) Dia. Feed Through	
	3/4" (19 mm) Long Thread for up to 1/2" (13 mm) Thick Surface	
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C	
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)	
Flammability Rating	NFPA-130, EN45545	
RoHS Compliant	Yes	



PR-LTMWG940-A91CB91C00G71C-BLK-180



### HIGHLIGHTS:

- Multiband: 4x 5/LTE, NO WiFi, 1x GNSS
- Dual-Carrier 2x MIMO 5G or Single-Carrier 4x MIMO 5G
- 1 ft Cable Pigtailed Exit Antenna; 14 ft Cable Jumpers Provided
- Meets Rail Industry Standard EN 50155 and NFPA-130 Requirements
- Color Coded Cable Type for EASY Match-Up
- Made-in-the-USA & UK

### RELATED MODELS:

- LTMWG940 (Non-Rail Model)
- LTMW940 (GPS Model)
- PR-LTMG508

### COMMON APPLICATIONS:

- Passenger Rail
- Installation Requiring EN 50155 and NFPA-130 Compliance
- Advanced Multiband Modems
- Public Transportation



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