

Panther

LTE, GNSS Vehicle Mount Antenna

GPSMB201P



Features & Applications:

- Supports LTE 698-960/1695-2170/2300-2700/2900-3600MHz
- Supports Beidou, GPS, Galileo, GLONASS
- Direct Mount and optional Magnetic Mount features
- See GPSMBMM for magnetic mount details
- Energy (Utility Vehicles)
- First Responders (Police, Ambulance, Fire)
- Fleet Management
- Location based services
- Telematics
- Railroad

ELECTRICAL SPECIFICATIONS

LTE : 698 – 3600MHz

Port	Frequency (MHz)	698-960	1695-2170	2300-2700	2900-3600
Port 1	VSWR(MAX)	1.5	1.5	1.5	1.5
	Avg. Peak Gain (dBi)	4.5	5.5	6.5	5.5
	Avg. Efficiency (%)	65	60	65	55

GNSS Antenna : 1561.098 +/- 2.046MHz, 1575.42 +/- 1.023MHz, 1602.5625 +/- 4MHz

Frequency (MHz)		1565-1610			
VSWR		2:1			
Gain – Radiating Element (dBic)		2 +/- 1			
Polarization	LNA Gain (dB)	Noise Figure (dB)	Operating Voltage (V _{dc})	Current Consumption (mA)	
RHCP	30 +/- 2	< 2.4	3.3 – 5.0	< 11	
Frequency (MHz)	960	1710	2170	2400	
Out of Band Rejection (dB)	> 65	> 60	> 65	> 65	

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Dimension (W x L x H)		Housing Material	Color	Weight with mounting kit	Mounting Kit
146.93 x 159.45 x 76 mm (5.78 x 6.28 x 3.0 inch)		ABS/PC,UV Stabilized, UL-94HB	Black	0.9 kg (1.98 lbs)	Direct or Magnetic options
Wireless Technology	No. of Port	Cable Length	Cable Type		Connector Type
LTE, GNSS	2	26.25Ft (8.0M)	LMR-200		SMA (M)

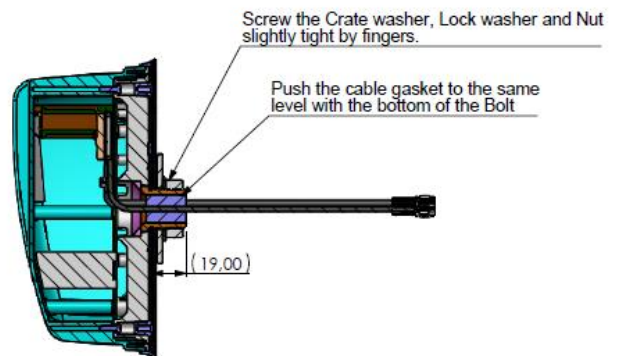
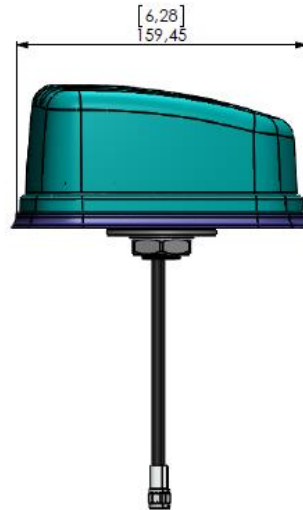
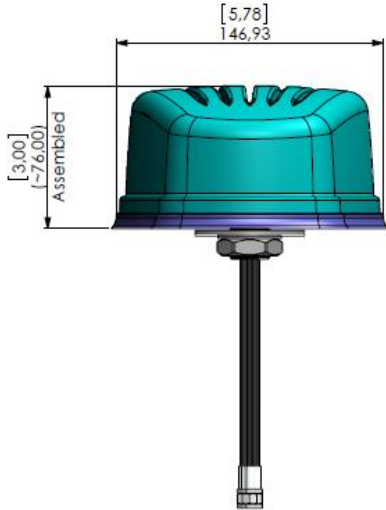
ENVIRONMENTAL SPECIFICATIONS

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Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection
-40 / +85° C	-40 / +85° C	Yes	IP67

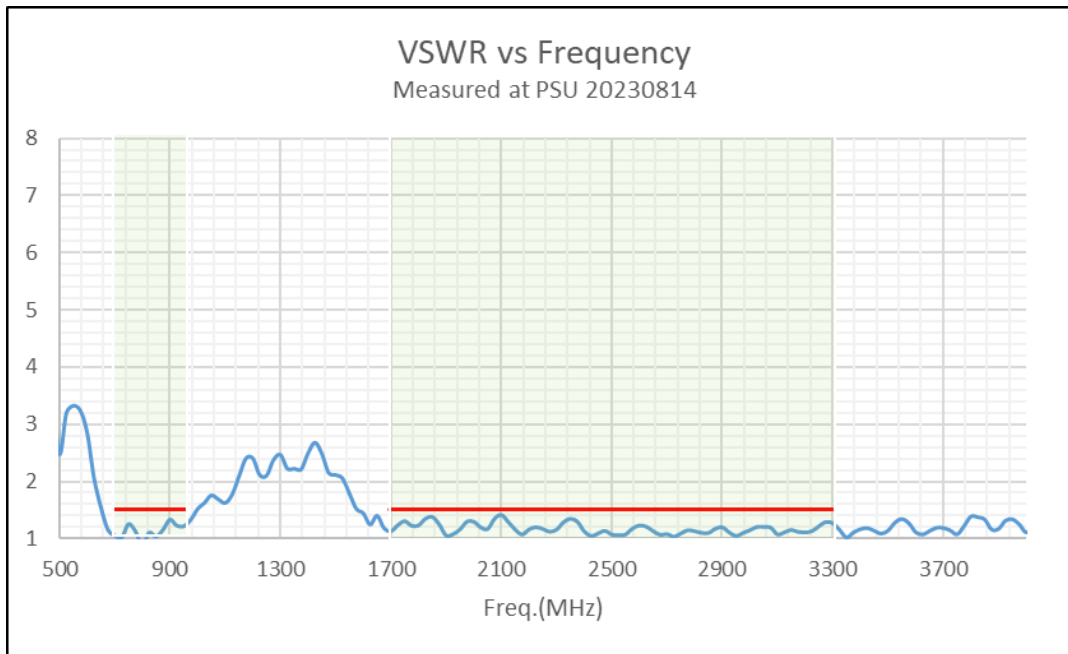
Mechanical Drawing

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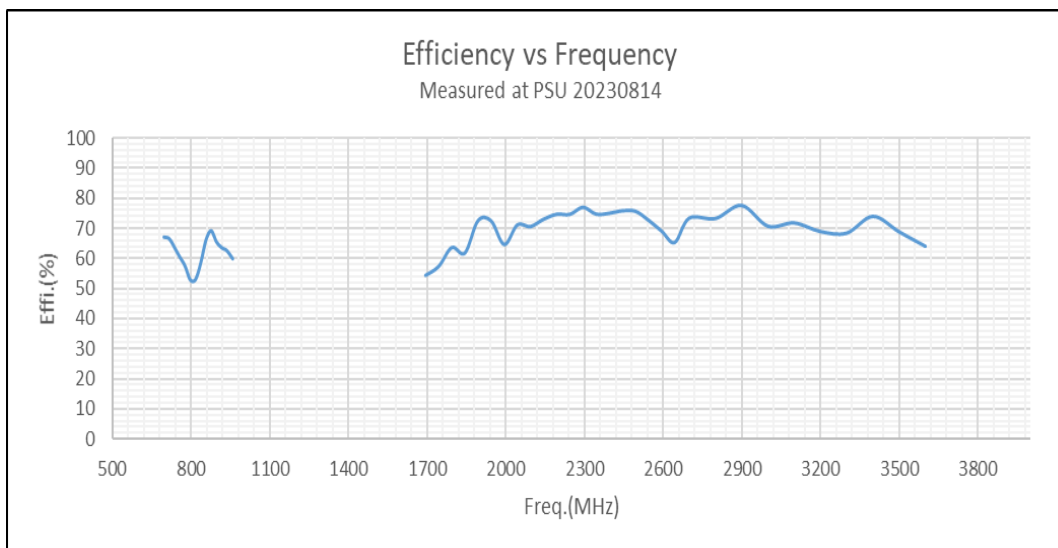


Charts

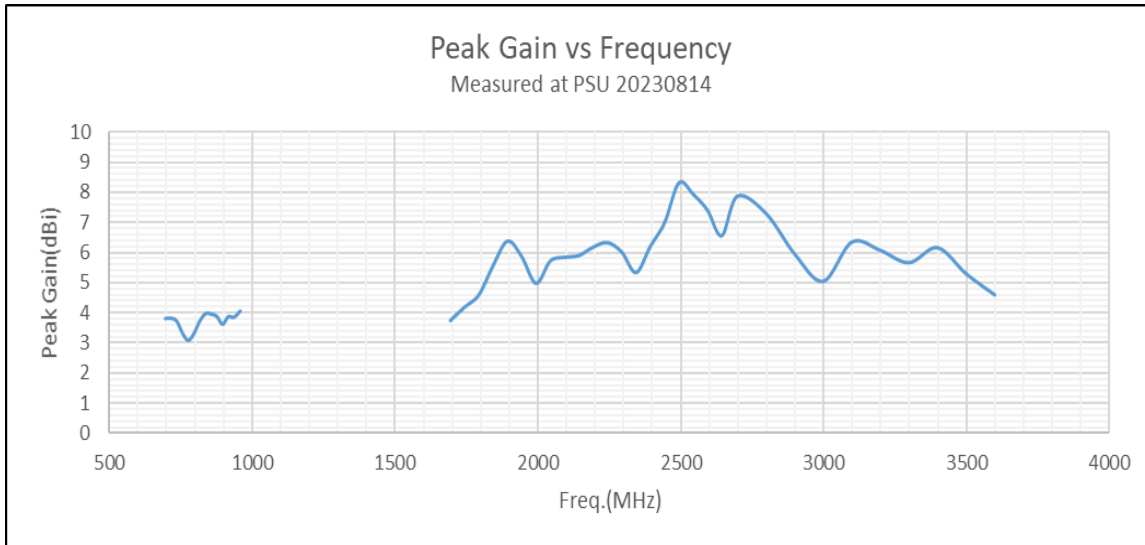
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LTE antenna VSWR with 2ft metal plate and 8M cables



LTE antenna total efficiency with 2ft metal plate and 4-inch cables

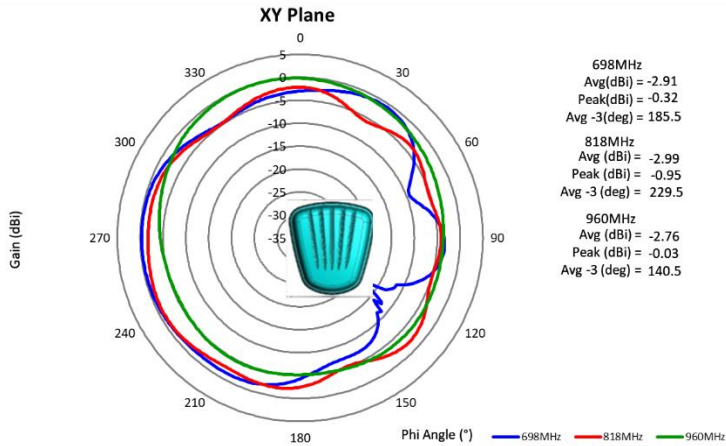


LTE antenna total efficiency with 2ft metal plate and 4-inch cables

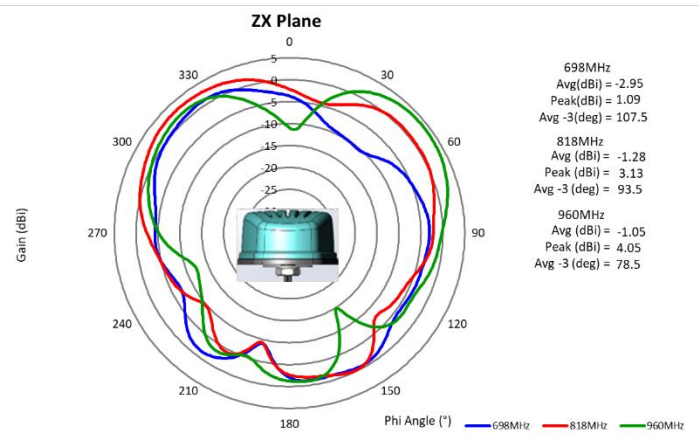
Radiation Pattern –Vertical and Horizontal Plane

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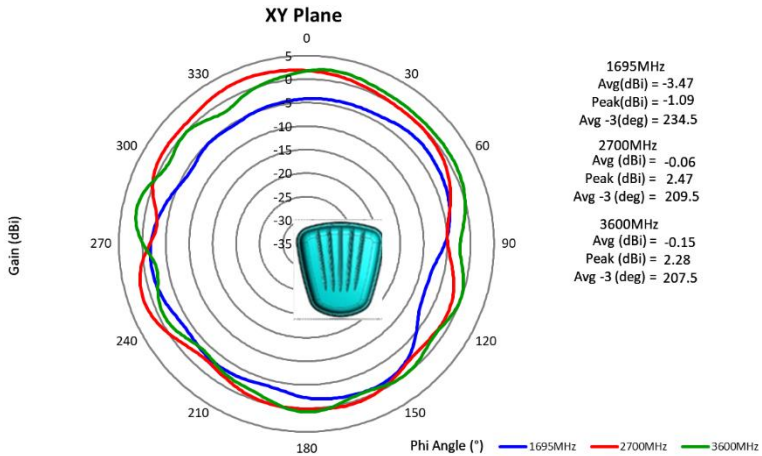
LTE antenna radiation pattern with 2ft metal plate and 4inch cables



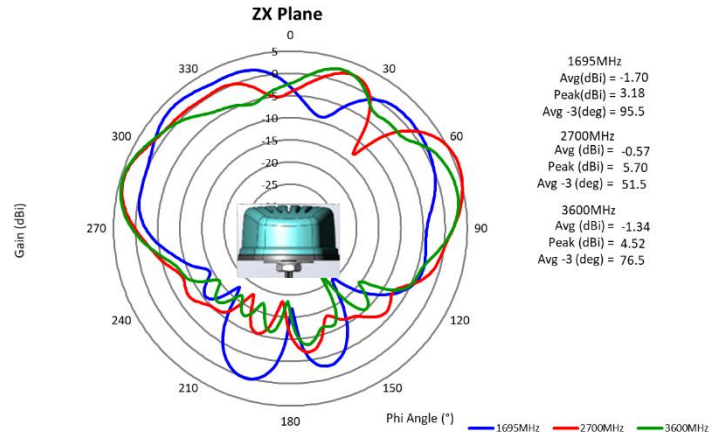
Horizontal plot



Vertical plot front view



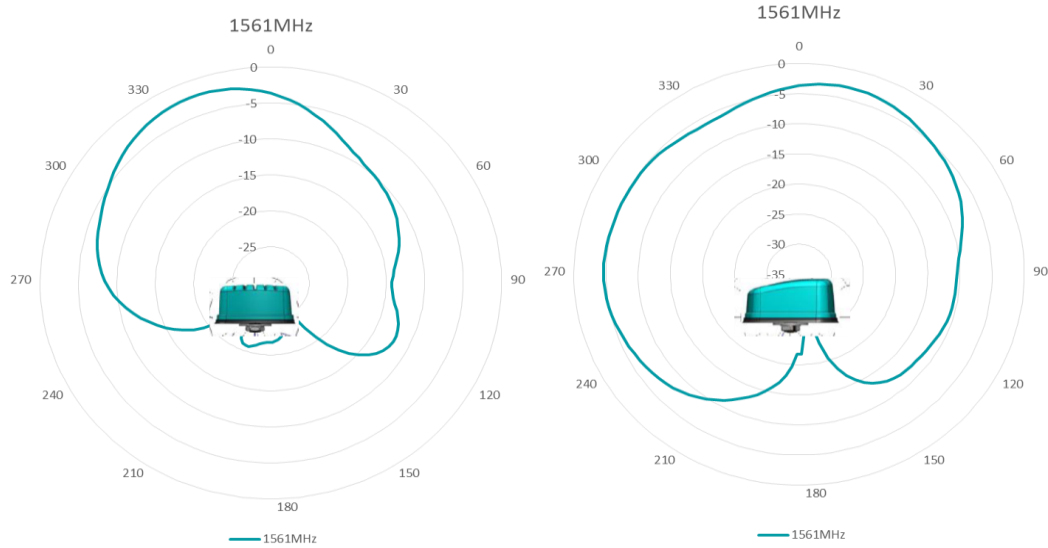
Horizontal plot



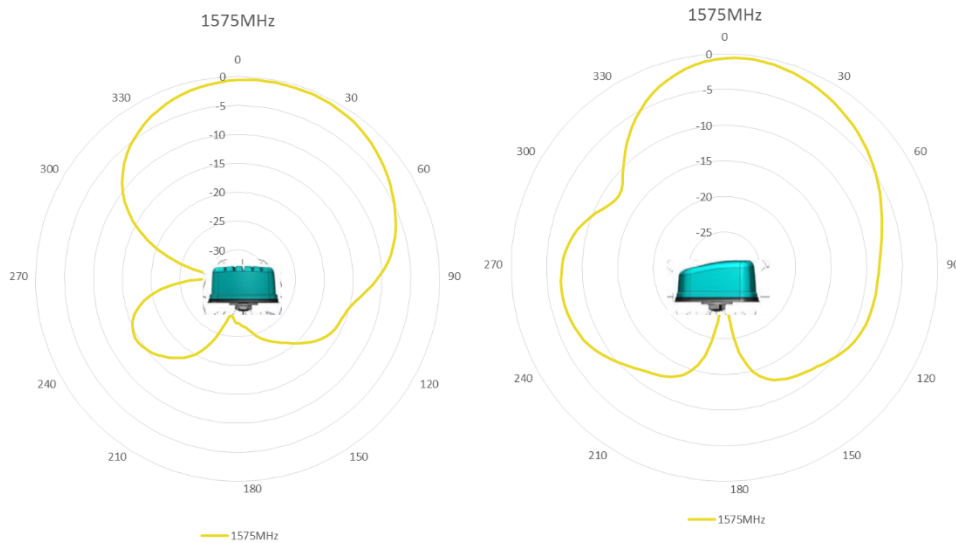
Vertical plot front view

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BD2 RHCP patterns, measured with 4inch cables in free space

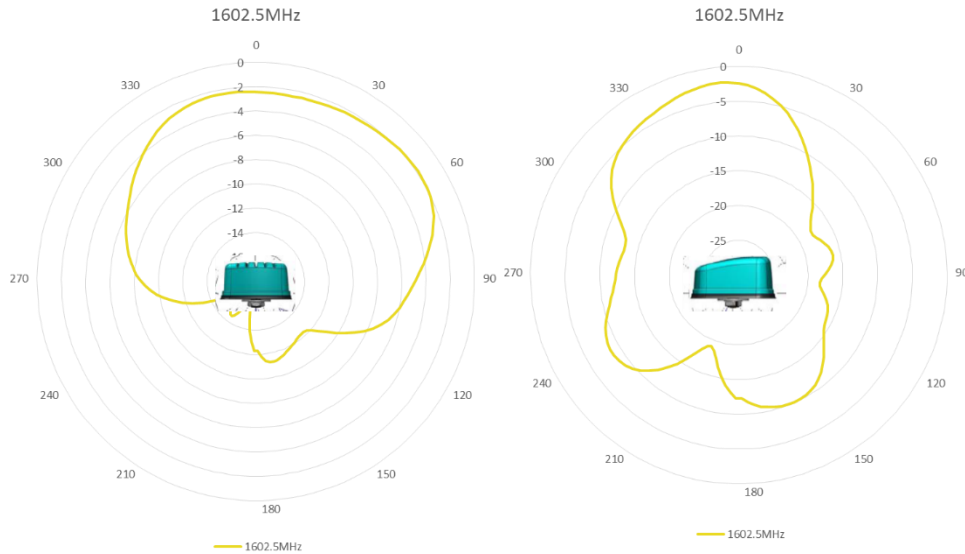


GPS & Galileo RHCP patterns, measured with 4inch cables in free space



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GLONASS RHCP patterns, measured with 4inch cables in free space



PACKAGING

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1. One antenna pack in one PE bag, 6 antennae in one box

Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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