



**MM Series**

MIMO LTE 2 in 1 Magnetic Mount Antenna

**Product Description**

Parsec's PTA MM 2LTE is a compact high performance two-in-one, MIMO LTE based magnetic mount M2M antenna. This rugged omni-directional antenna works on all the common worldwide LTE bands with high efficiency.

Detailed product information and options are available under NDA. Patent pending.

**Features**

- LTE frequency range: 698 – 960 MHz  
1710 – 2700
- 2 Element LTE MIMO
- Omni-directional
- RoHS Compliant

**Applications**

- External M2M, IoT Applications
- Remote video monitoring, Mobile broadband,
- First Responders / Fleet management

**Electrical Specifications**

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	1,2	698 – 960 MHz	%	53
	1,2	1710 – 2700 MHz		82
Peak Gain	1,2	698 – 960 MHz	dBi	2.5
	1,2	1710 – 2700 MHz		7.4
Return Loss (50 Ω)	1,2	698 – 960 MHz	dB	≤6
	1,2	1710 – 2700 MHz		≤7
Isolation	1 to 2	698 – 960 MHz	dB	<18
	1 to 2	1710 – 2700 MHz		<20
Polarization	1,2			Linear
Max Input Power	1,2		Watts	5

**Notes:**

1. Isolation does not include cable loss.

**Mechanical**

Dimensions	Magnetic Base: 5.5in × 2.5in × 0.5in Antenna: 6.5in × 0.9in × 0.3in
RF Cable Length	Choice of 3, 6, 10, 15 ft cable

**Environmental**

Operating Temperature	-40°C to 85°C
Classification	Indoor
Relative Humidity	95% RH, non-condensing at 65°C



Figure 1. Product Picture

Typical Performance

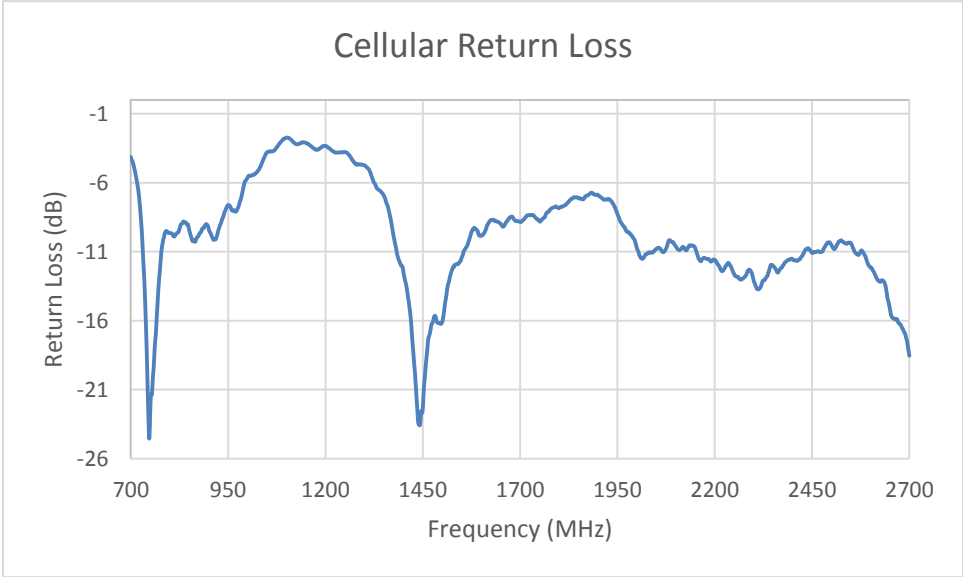


Figure 1. Cellular LTE Return Loss

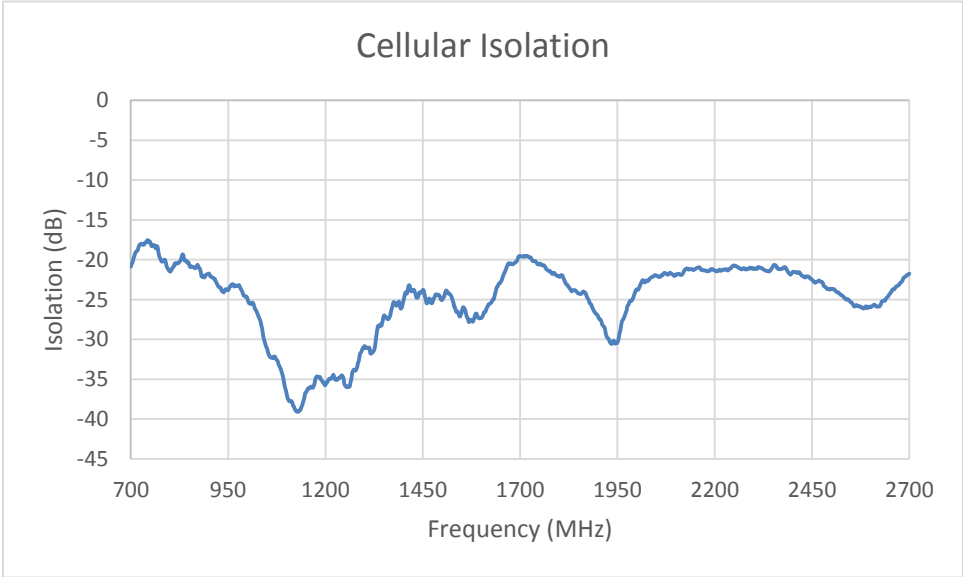
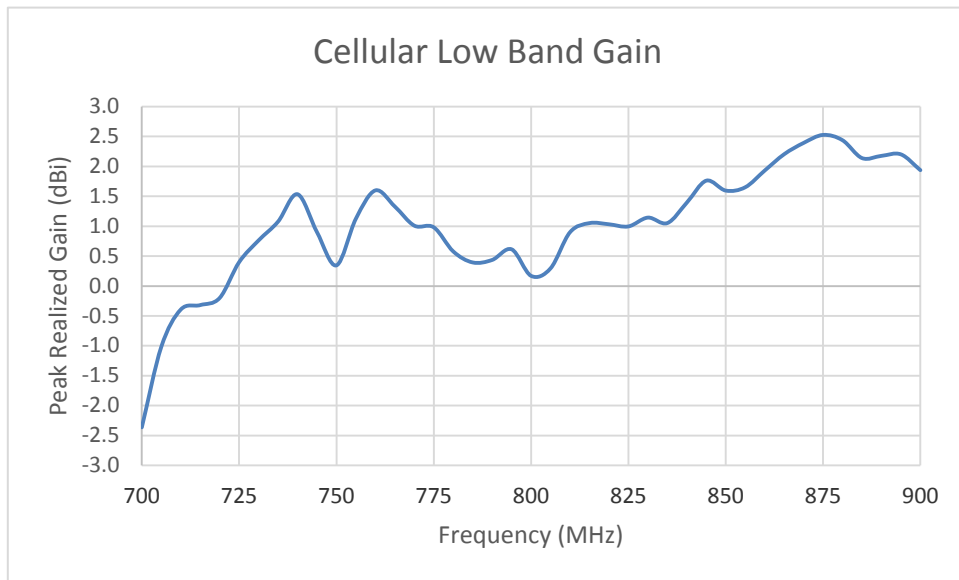
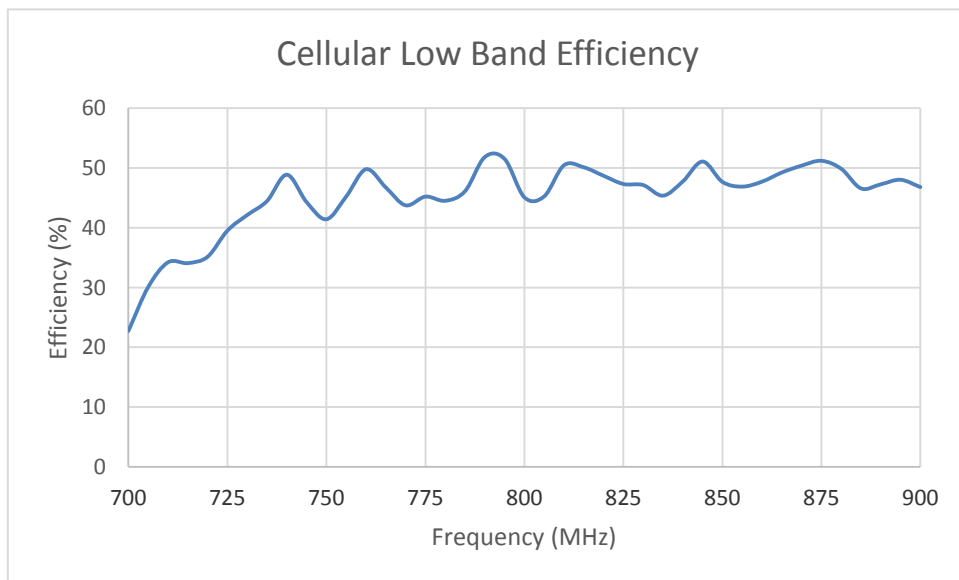


Figure 2. Cellular Isolation



**Figure 3. Cellular Low Band Gain**



**Figure 4. Cellular Low Band Efficiency**

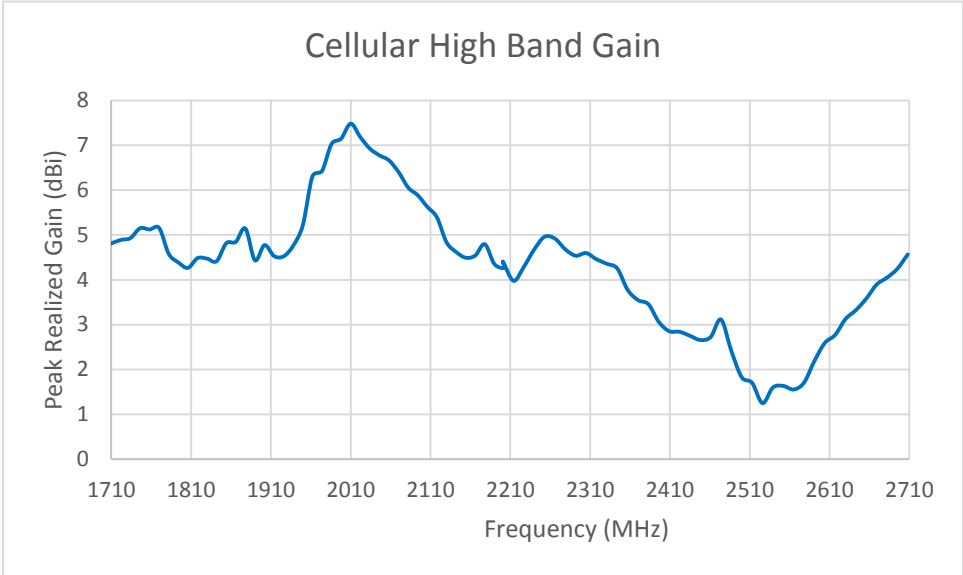


Figure 3. Cellular High Band Gain

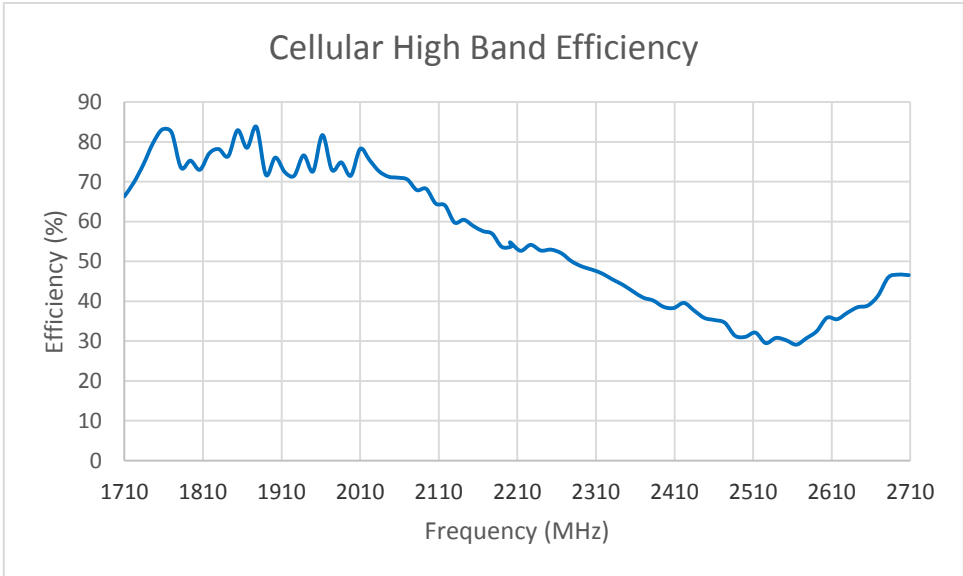


Figure 4. Cellular High Band Efficiency

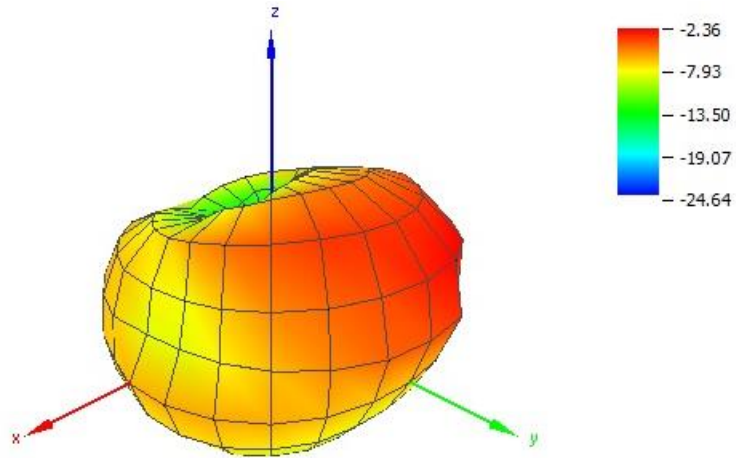


Figure 5. 3D Radiation Pattern at 700MHz

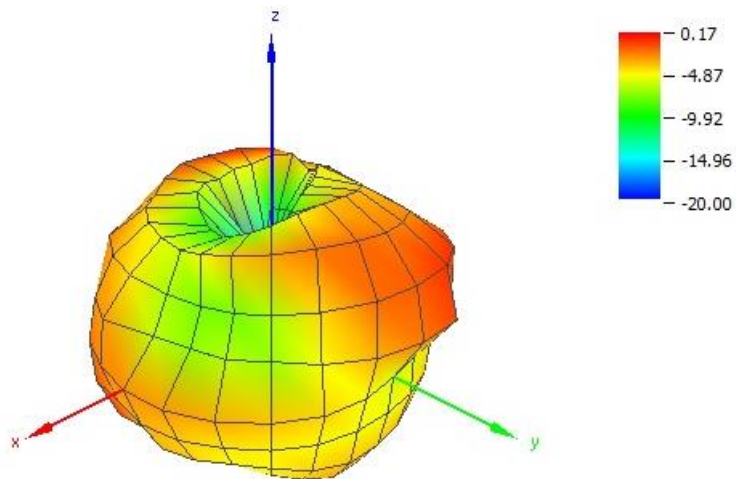


Figure.6 3D Radiation Pattern at 825MHz

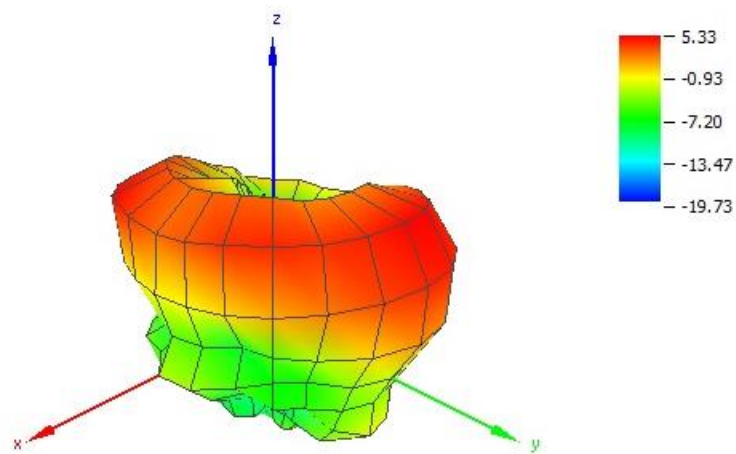


Figure.7 3D Radiation Pattern at 1710MHz

PTA MM 2LTE

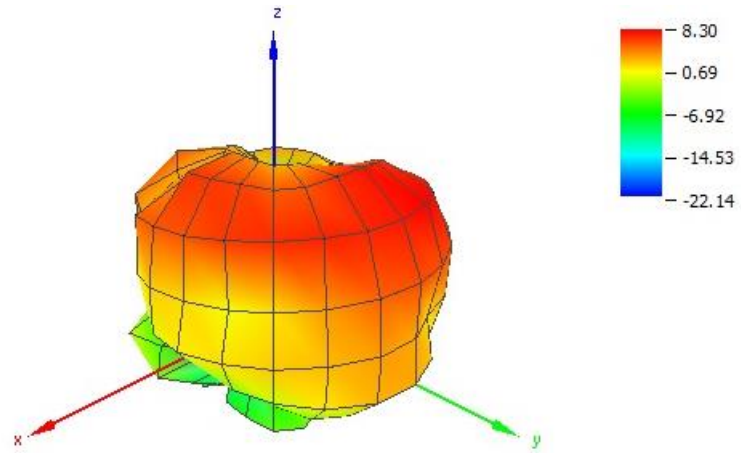


Figure.8 3D Radiation Pattern at 1962MHz

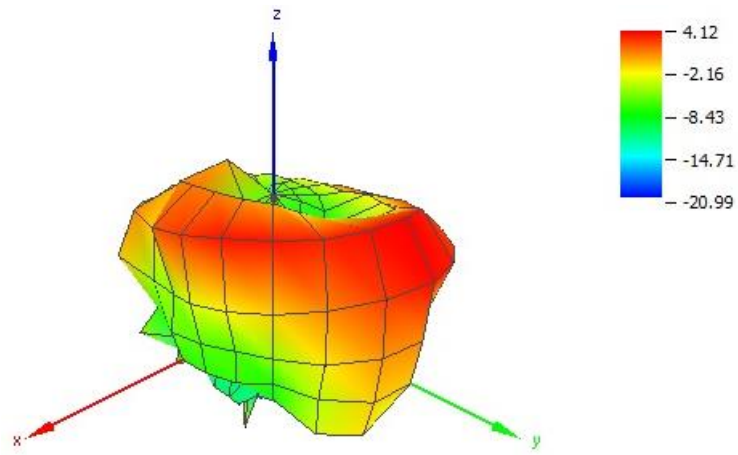


Figure. 9 3D Radiation Pattern at 2201MHz

## Contact Information

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## Ordering Information

Part Number

PTAMM2L06 - 2 LTE, 6ft Cable

Custom cable lengths available

Packing for Shipment          Protective box, qty. 1 per box.