



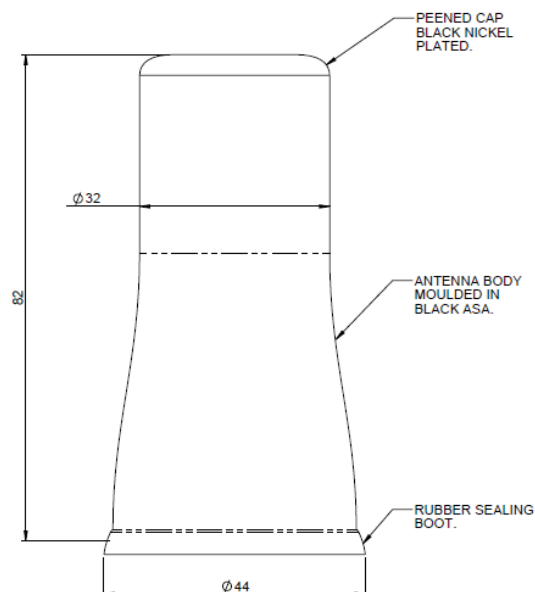
Rugged low profile design  
Covers global cellular / LTE bands  
Designed for NMO Bases

The Panorama LPNMO is a low cost high performance antenna for challenging applications. At only 82mm (3.22") high and protected by a robust high impact radome the antenna is protected from daily wear, tear and impact.

The LPNMO offers excellent performance across a wide bandwidth. Mounted on a 300mm (1') diameter or larger ground plane the LPNMO covers global cellular and LTE frequencies from 698-960 MHz and 1710-2700MHz making it an extremely versatile product.

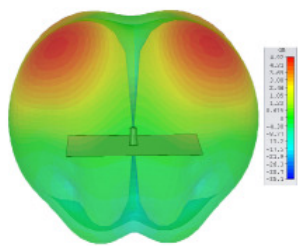
The LPNMO will mount to standard NMO type bases and is supplied with a rubber sealing boot.

## Technical Drawing

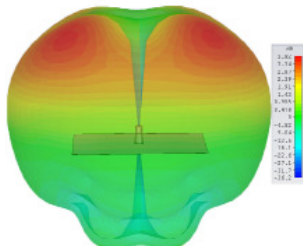


## Simulated Radiation Patterns\*

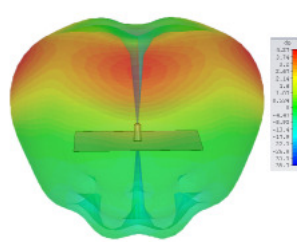
3D Gain Plot (700MHz)



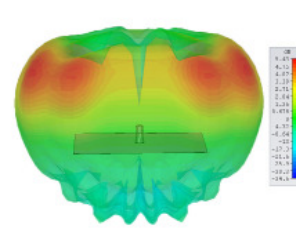
3D Gain Plot (800MHz)



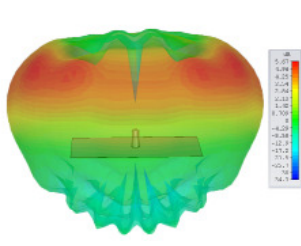
3D Gain Plot (900MHz)



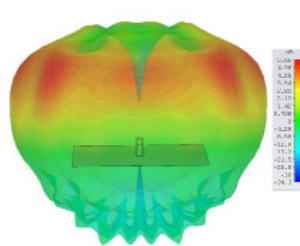
3D Gain Plot (1800MHz)



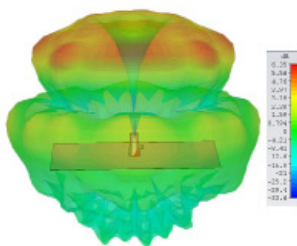
3D Gain Plot (1900MHz)



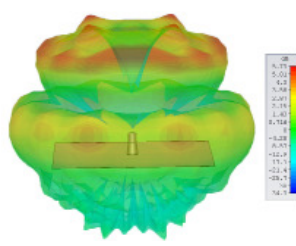
3D Gain Plot (2100MHz)



3D Gain Plot (2400MHz)

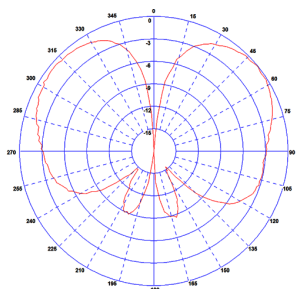


3D Gain Plot (2600MHz)

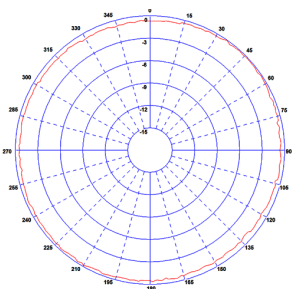


## Measured Radiation Patterns\*

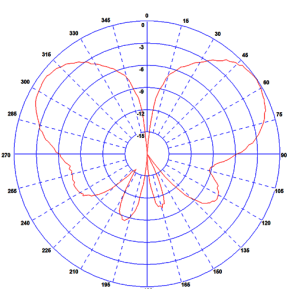
Typical E Plane (750MHz)



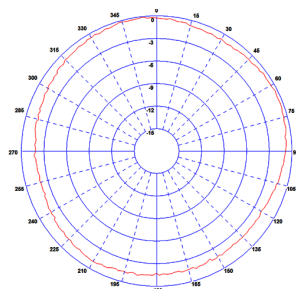
Typical H Plane (750MHz)



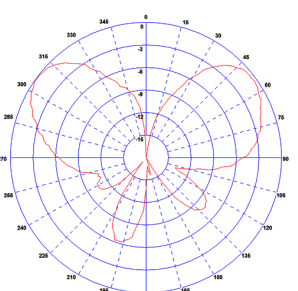
Typical E Plane (850MHz)



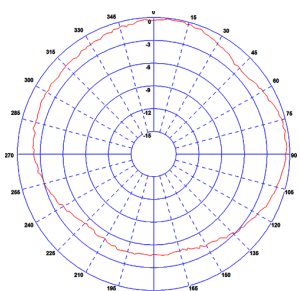
Typical H Plane (850MHz)



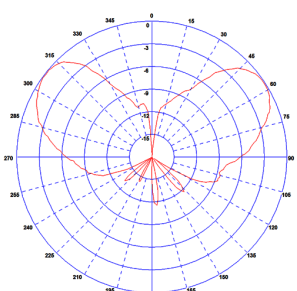
Typical E Plane (900MHz)



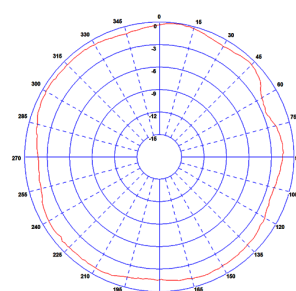
Typical H Plane (900MHz)



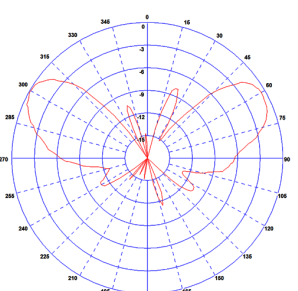
Typical E Plane (1800MHz)



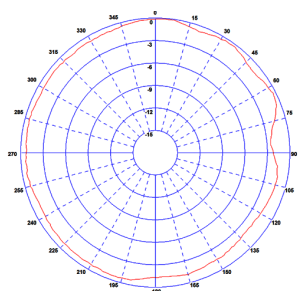
Typical H Plane (1800MHz)



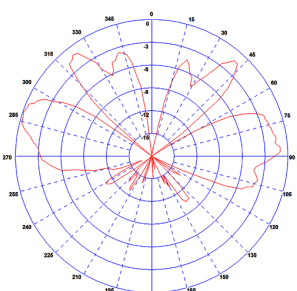
Typical E Plane (2100MHz)



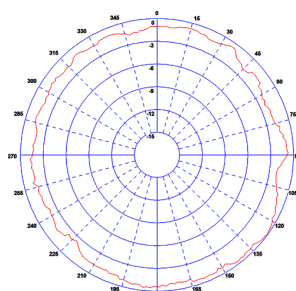
Typical H Plane (2100MHz)



Typical E Plane (2600MHz)

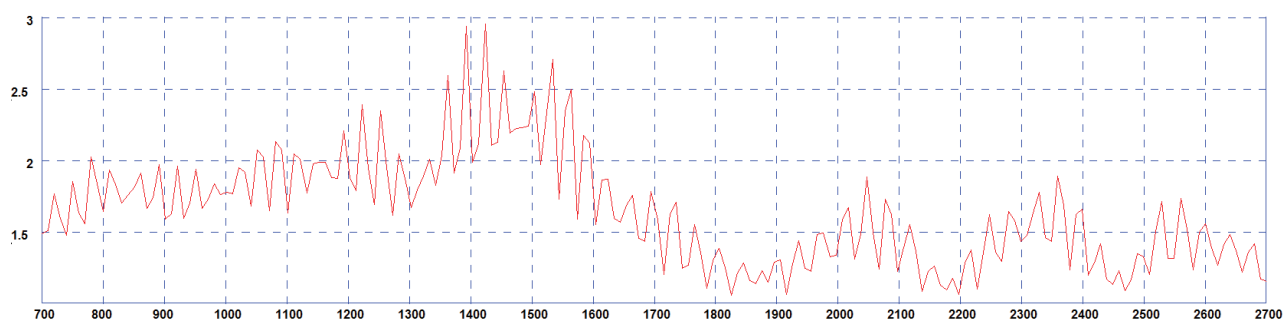


Typical H Plane (2600MHz)



\*All simulations conducted in CST Microwave Studio on a 600 x 600mm (2' x 2') ground plane.

Typical VSWR\*



\*VSWR measured on a 600 x 600mm (2'x2') ground plane with with 3m (10') of CS29 cable.

Part No.		
LPNMO-7-27		
Electrical Data		
Frequency Range (MHz)		698-960 / 1710-2700
Operational Band		700/800/900/1800/1900/2100/ 2400/2600
Peak Gain (excluding cable loss)	698-960 MHz	4dBi
	1710-2170 MHz	5dBi
	2170-2700 MHz	6dBi
Typical VSWR*		<2:1
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		60
Mechanical Data		
Dimensions (mm)	Height	82 (3.22")
	Diameter	44 (1.73")
Operating Temp (°C)		-30°/+70°C (-22°/158°F)
Material		ASA & Plated Brass
Colour		Black
Connector Data		
Termination		NMO

\*\*VSWR measured on a 600 x 600mm (2'x2') ground plane with with 3m (10') of CS29 cable.

**PANORAMA ANTENNAS**

**Panorama Antennas Ltd**  
Frogmore, London, SW18 1HF, United Kingdom

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice.

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T: +44 (0)20 8877 4444

F: +44 (0)20 8877 4477

E: [sales@panorama-antennas.com](mailto:sales@panorama-antennas.com)

[www.panorama-antennas.com](http://www.panorama-antennas.com)

[www.panorama-antennas.com/](http://www.panorama-antennas.com/)