



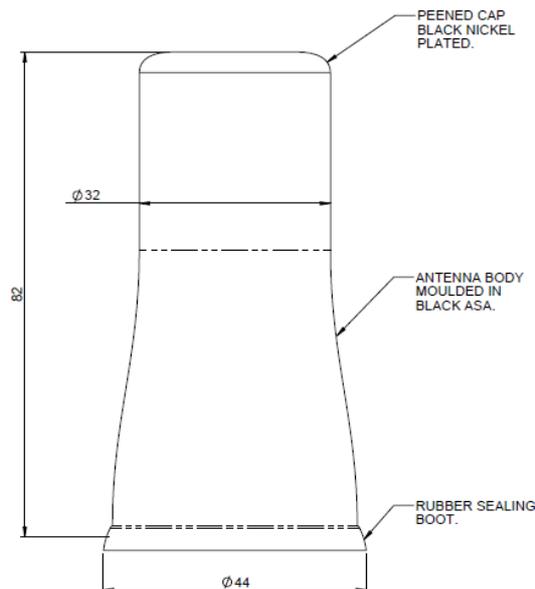
Rugged low profile design
 Covers global cellular / LTE bands
 Designed for NMO Bases

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.

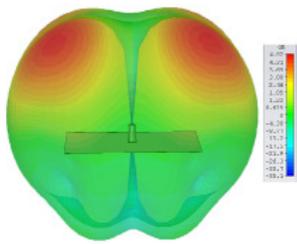
The LPNMO will mount to standard NMO type bases and is supplied with a rubber sealing boot.

Technical Drawing

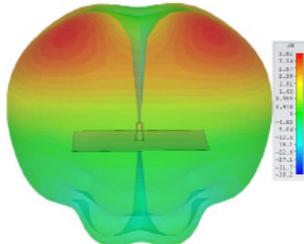


Simulated Radiation Patterns*

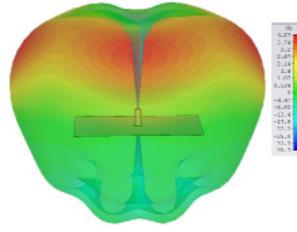
3D Gain Plot (700MHz)



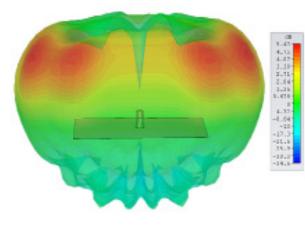
3D Gain Plot (800MHz)



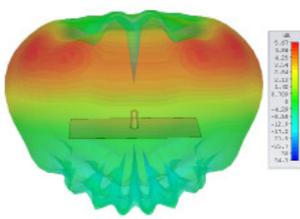
3D Gain Plot (900MHz)



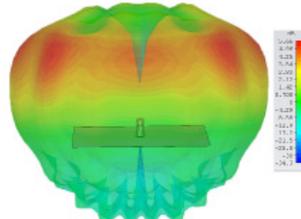
3D Gain Plot (1800MHz)



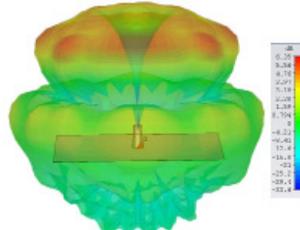
3D Gain Plot (1900MHz)



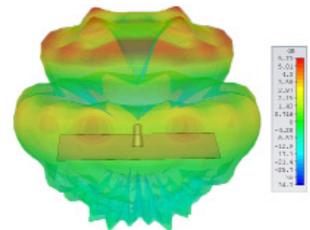
3D Gain Plot (2100MHz)



3D Gain Plot (2400MHz)

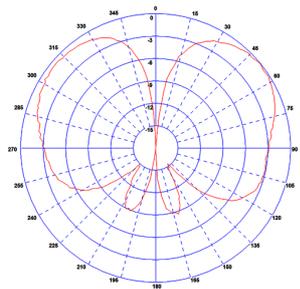


3D Gain Plot (2600MHz)

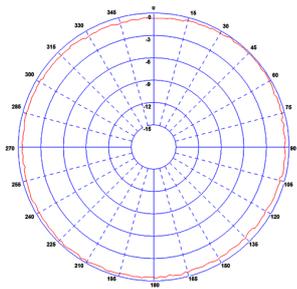


Measured Radiation Patterns*

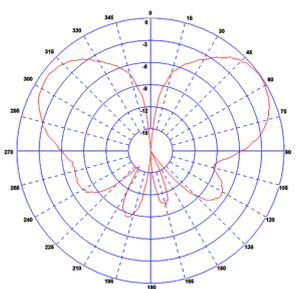
Typical E Plane (750MHz)



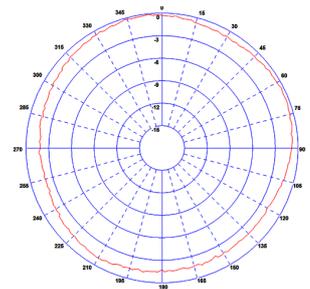
Typical H Plane (750MHz)



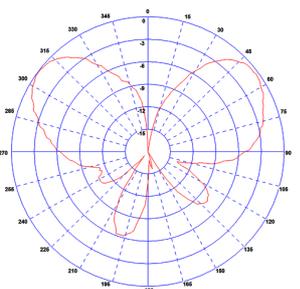
Typical E Plane (850MHz)



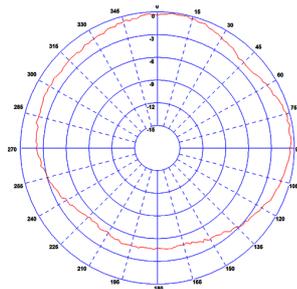
Typical H Plane (850MHz)



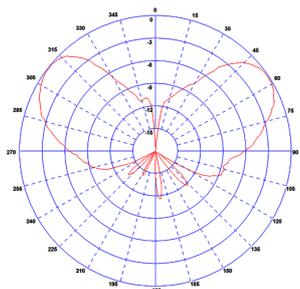
Typical E Plane (900MHz)



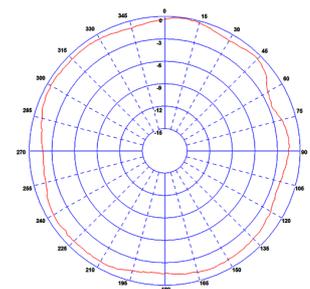
Typical H Plane (900MHz)



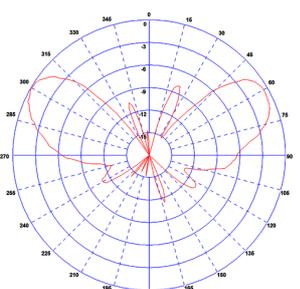
Typical E Plane (1800MHz)



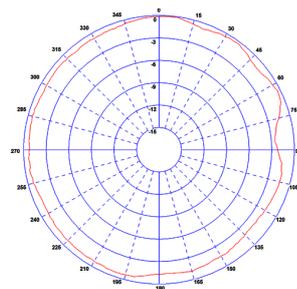
Typical H Plane (1800MHz)



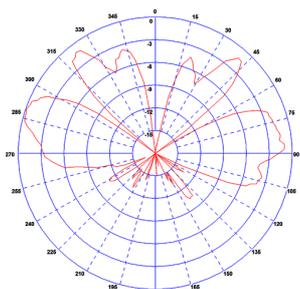
Typical E Plane (2100MHz)



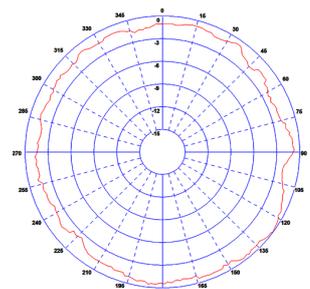
Typical H Plane (2100MHz)



Typical E Plane (2600MHz)

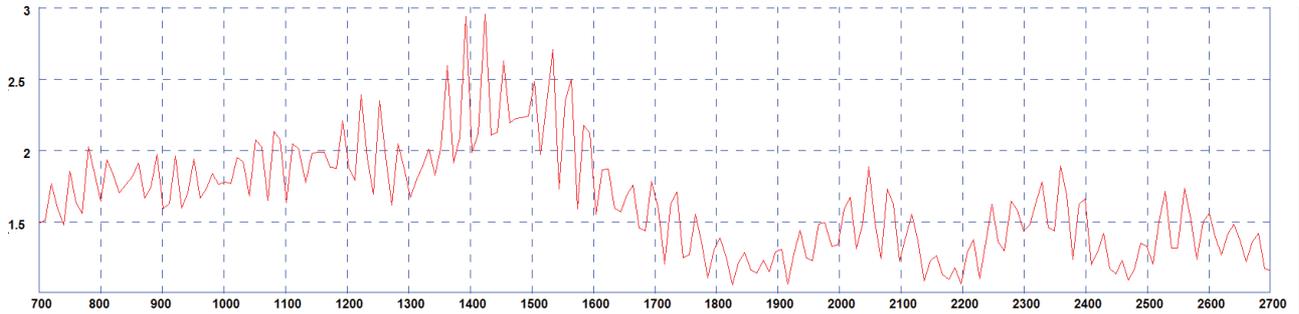


Typical H Plane (2600MHz)



*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	698-960 MHz	4dBi
(excluding cable loss)	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.



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