

LPB-7-27 Panel Mount Antenna

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- Robust panel mount antenna
- Efficient 2G/3G/4G and 3.8GHz 5G coverage
- Easy to install

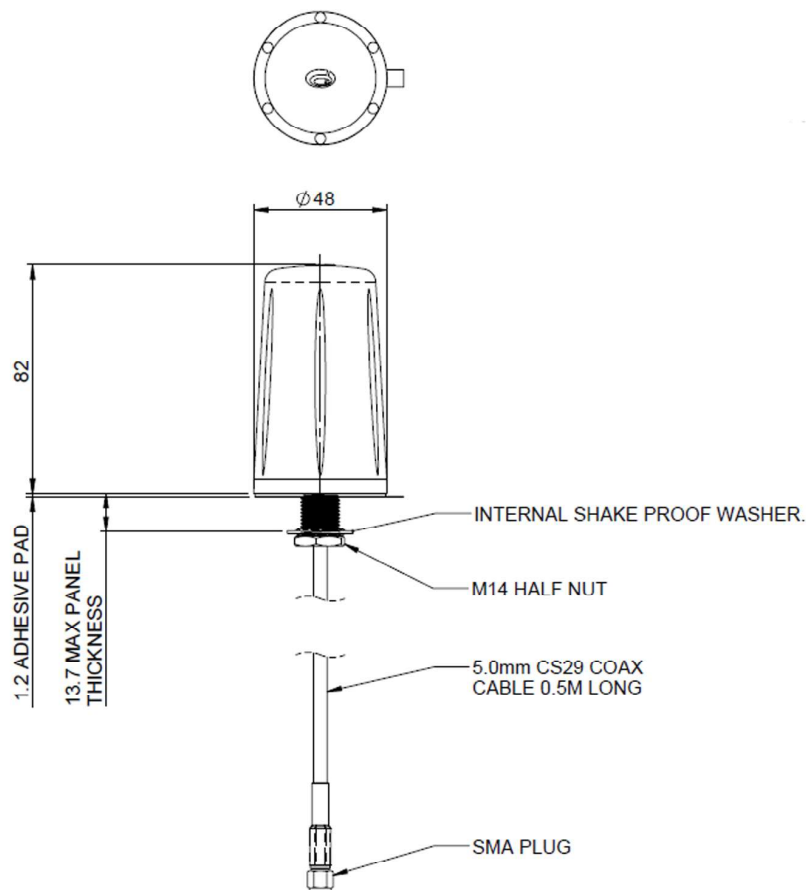
The Panorama LPB low profile antenna range has been designed to perform even in extreme environments. At only 82mm (3.22") high and protected by a robust high impact radome the antenna is almost impervious to daily wear, tear and impact.

The LPB offers excellent performance across a wide bandwidth. Mounted on a 400 x 400mm groundplane the LPB covers public safety / LTE frequencies across 700 and 800MHz as well as all global cellular frequencies from 698-960 MHz and 1710-3800MHz making it an extremely versatile product.

Supplied with a convenient adhesive pad and either a short pigtail for connection to a cable extension or an integrated 5m (17') low loss cable run the antenna is cost effective to install and adaptable to any install environment.

Technical Drawing

LPB-7-27-5SP Shown

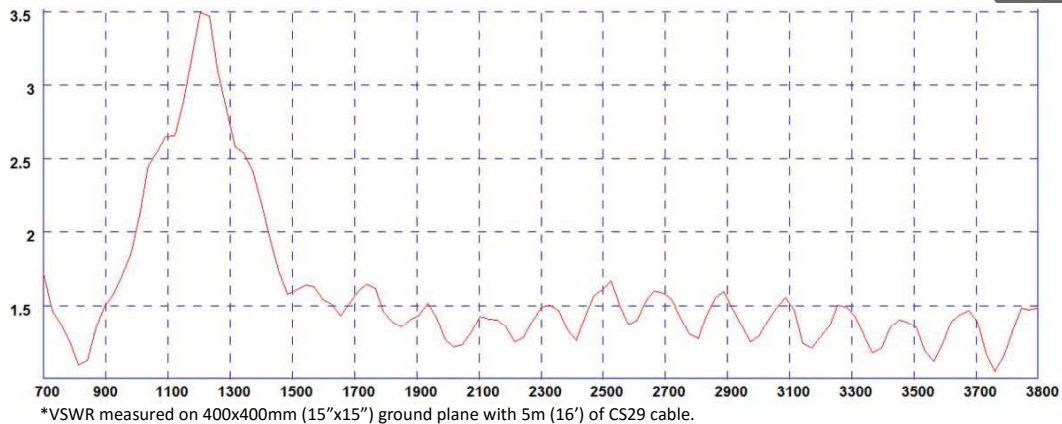


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Typical VSWR

Product Data



Part No.		LPB-7-27-05SP	LPB-7-27-5SP
Electrical Data			
Frequency Range (MHz)		698-960 / 1710-3800	
Operational Band		700/800/900/1800/1900/2100/2400/2600/3600	
Peak Realised Gain: Isotropic*	698-960MHz	3dBi	
	1710-2700 MHz	5dBi	
	3400-3800 MHz	8dBi	
VSWR		<2.5:1	
Polarisation		Vertical	
Pattern		Omni-directional	
Impedance		50Ω	
Max Input Power (W)		30	
Mechanical Data			
Dimensions (mm)	Height	82 (3.22")	
	Diameter	48(1.89")	
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)	
Material		ASA	
Colour		Black	
Ingress Protection		IP65	
Mounting Data			
Fixing		Panel mount	
Hole Diameter (mm)		14 (0.5")	
Max Panel Thickness (mm)		13 (0.5")	
Weight (g)		125	300
Cable Data			
Type		CS29 (double shielded RG58)	
Diameter (mm)		5(0.19")	
Length (m)		0.5 (1.5')	5(17')
Termination		SMA plug	SMA plug

* Peak gain simulated in CST microwave studio on a ground plane excluding cable loss

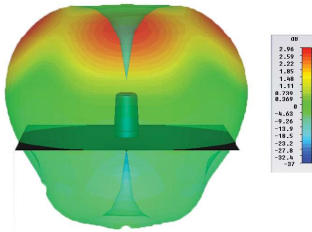
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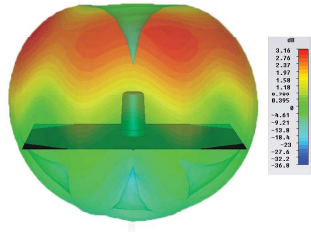
Electrical Data

All measurements taken on a 400 x 400mm groundplane with 0.5m of cable

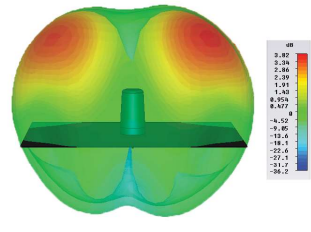
3D Gain Plot (700MHz)



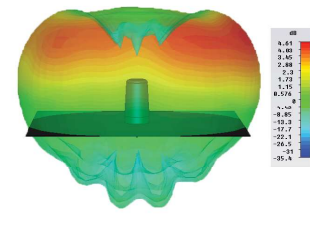
3D Gain Plot (800MHz)



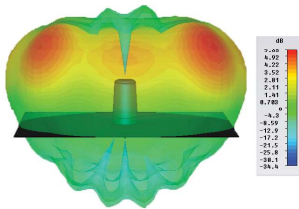
3D Gain Plot (900MHz)



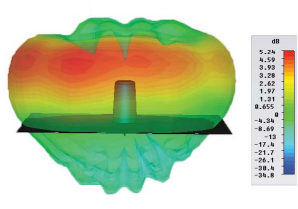
3D Gain Plot (1800MHz)



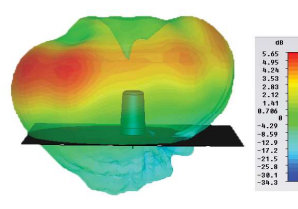
3D Gain Plot (2100MHz)



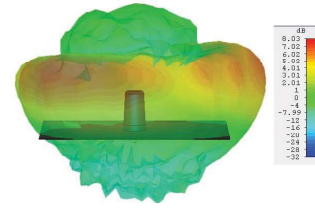
3D Gain Plot (2400MHz)



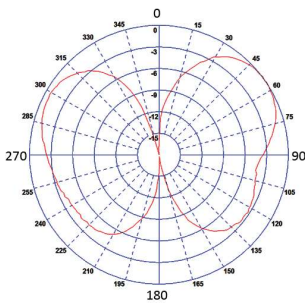
3D Gain Plot (2600MHz)



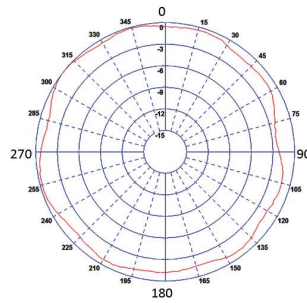
3D Gain Plot (3600MHz)



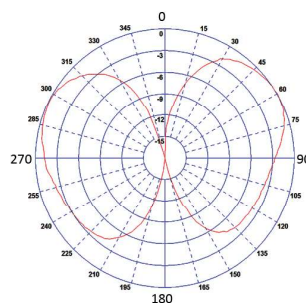
Typical E Plane (850MHz)



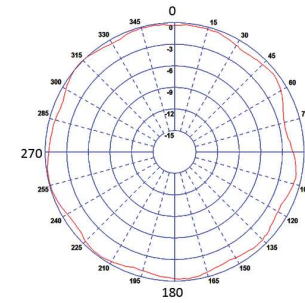
Typical H Plane (850MHz)



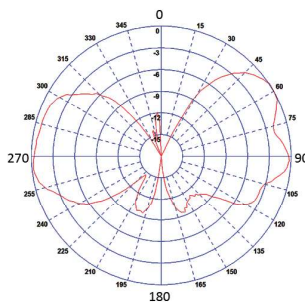
Typical E Plane (900MHz)



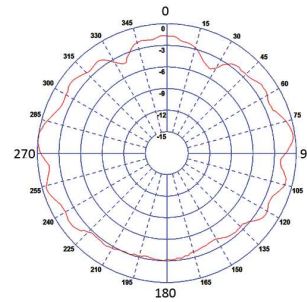
Typical H Plane (900MHz)



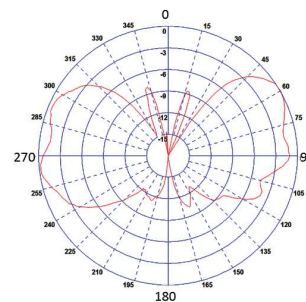
Typical E Plane (1800MHz)



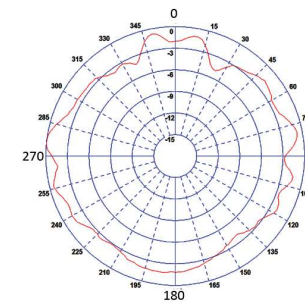
Typical H Plane (1800MHz)



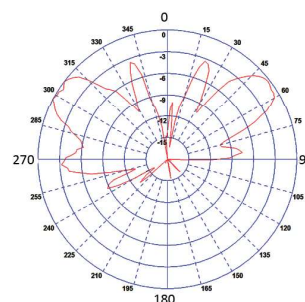
Typical E Plane (2000MHz)



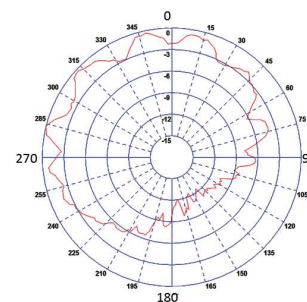
Typical H Plane (2000MHz)



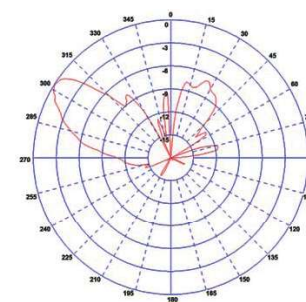
Typical E Plane (2600MHz)



Typical H Plane (2600MHz)



Typical E Plane (3600MHz)



Typical H Plane (3600MHz)

