

P25

Low Profile Antenna

LPB-7-27-05SP



06/09/2011 v1



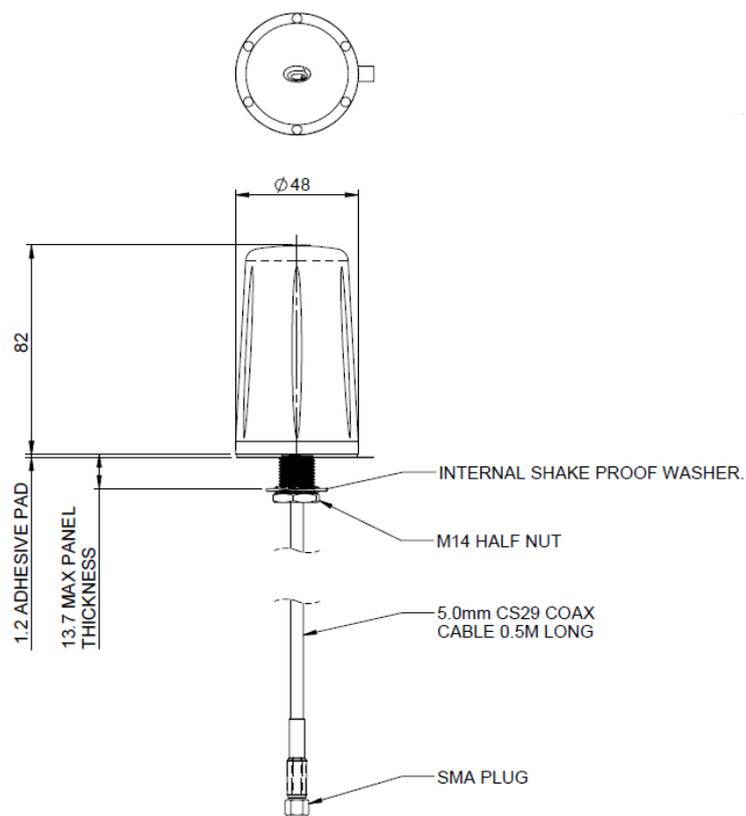
- Rugged low profile design
- Excellent Bandwidth

The Panorama LPB low profile antenna range has been designed to perform under extreme pressure. 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 1710-2700MHz making it an extremely versatile product.

Supplied with a convenient adhesive pad and a short pigtail for connection to a cable extension run the antenna is cost effective to install and adaptable to any install environment.

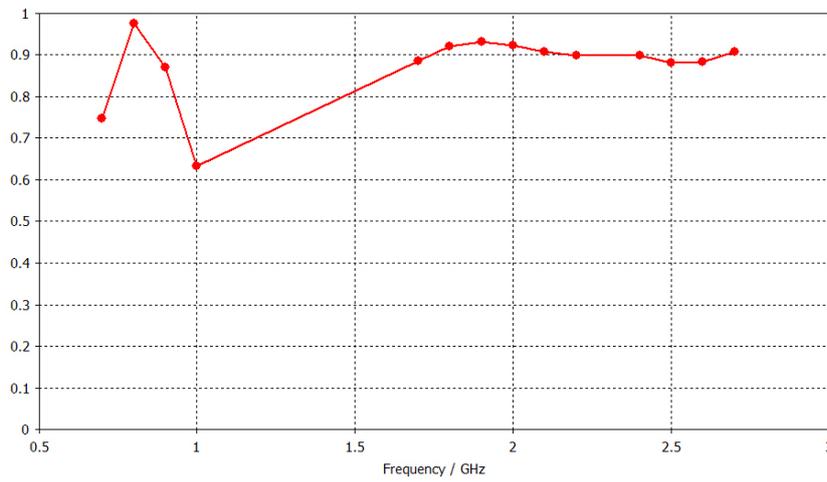
Technical Drawing



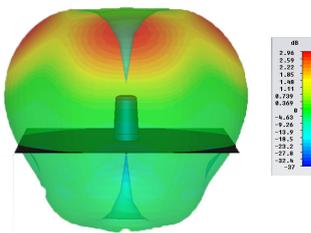
Typical VSWR



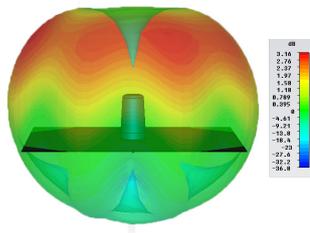
Typical Efficiency



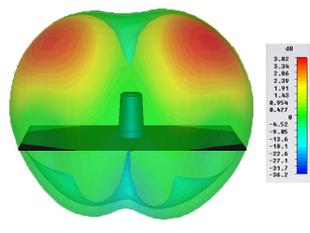
3D Gain Plot (700MHz)



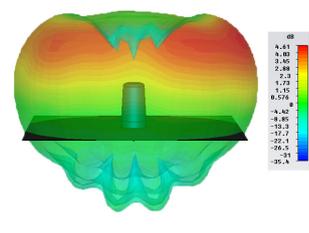
3D Gain Plot (800MHz)



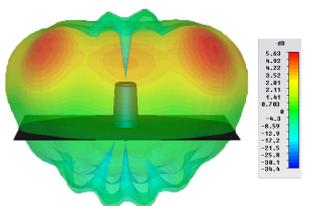
3D Gain Plot (900MHz)



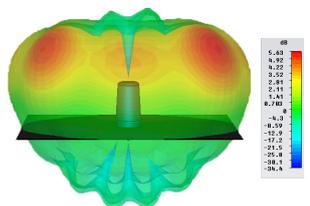
3D Gain Plot (1800MHz)



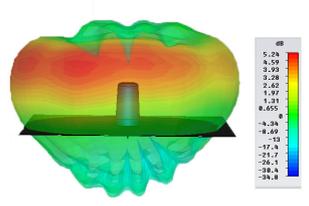
3D Gain Plot (1900MHz)



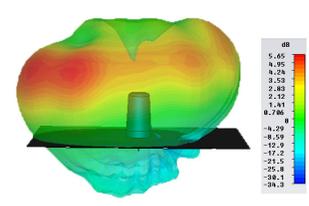
3D Gain Plot (2100MHz)



3D Gain Plot (2400MHz)



3D Gain Plot (2600MHz)



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

Part No.

LPB-7-27-05SP

Electrical Data

Frequency Range (MHz)	764-960 / 1710-2700	
Operational Band	700/800/900/1800/1900/2100/2400/2600	
Peak Realised Gain: Isotropic	700 MHz	3dBi
	800 MHz	3dBi
	900 MHz	4dBi
	1800 MHz	4dBi
	1900 MHz	5dBi
	2100 MHz	5dBi
	2400 MHz	5dBi
	2600 MHz	5dBi
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	High Impact UV Stable ABS	
Colour	Black	

Mounting Data

Fixing	Panel mount	
Hole size (mm)	Length	5 (0.19")
	Diameter	0.5 (19.6")

Cable Data

Type	5mm low loss coax	
Thickness (mm)	5(0.19")	
Length (m)	0.5(19.6")	
Termination	SMA plug	



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