

LPB-7-27-NJ

Panel / Bracket Mount Antenna

PANORAMA ANTENNAS

LPB-7-27-NJ



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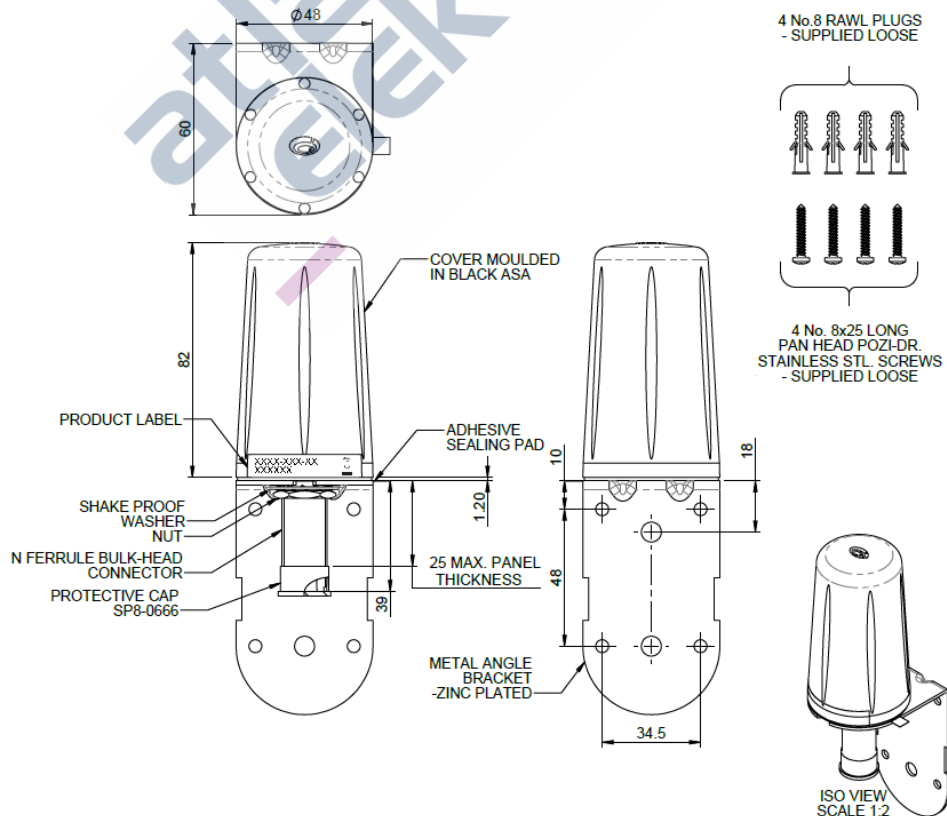
- Robust panel or bracket mount antenna
- Efficient 2G/3G/4G and 3.8GHz 5G coverage
- Easy to install

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 a robust N female type connector the antenna is cost effective to install and adaptable to any install environment.

Technical Drawing



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23/11/2018 V3

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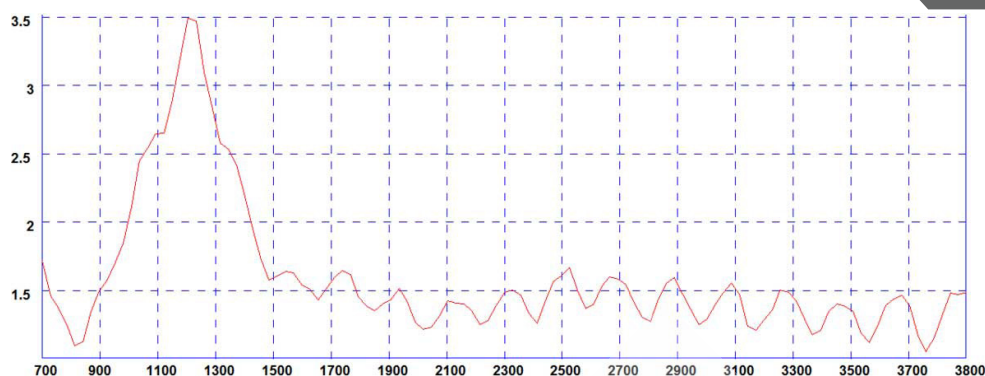
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Typical VSWR

Product Data



*VSWR measured on 400x400mm (15"x15") ground plane with 5m (16') of CS29 cable.

Part No.

LPB-7-27-NJ

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 or Bracket mount
Hole Diameter (mm)	16 (5/8")
Max Panel Thickness (mm)	25 (1")
Weight (g)	211.72

Connector Data

Type	N (f)
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* Peak gain simulated in CST microwave studio on a ground plane excluding cable loss

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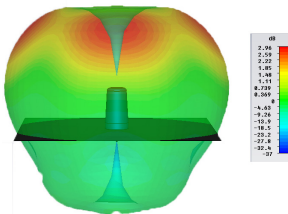
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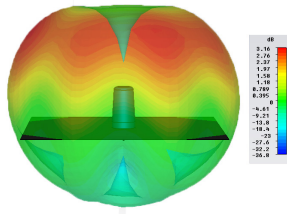
Electrical Data

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

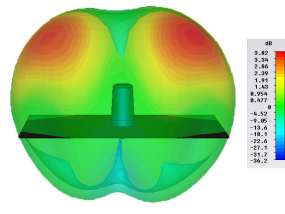
3D Gain Plot (700MHz)



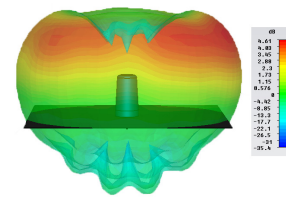
3D Gain Plot (800MHz)



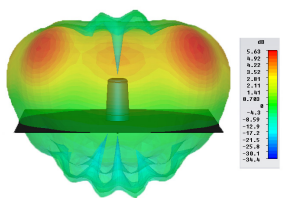
3D Gain Plot (900MHz)



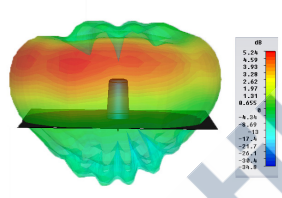
3D Gain Plot (1800MHz)



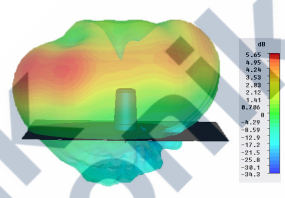
3D Gain Plot (2100MHz)



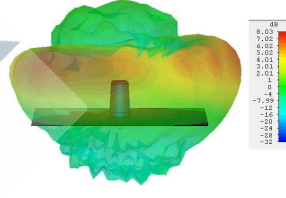
3D Gain Plot (2400MHz)



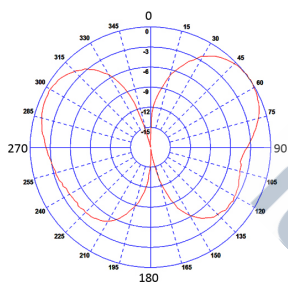
3D Gain Plot (2600MHz)



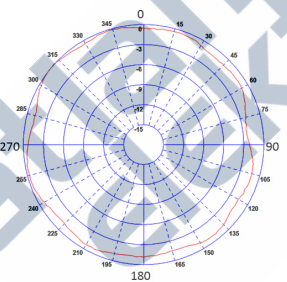
3D Gain Plot (3600MHz)



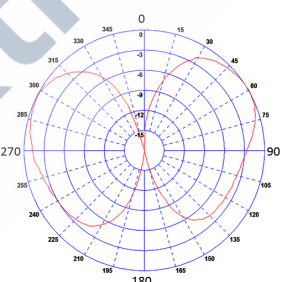
Typical E Plane (850MHz)



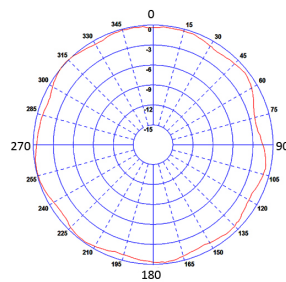
Typical H Plane (850MHz)



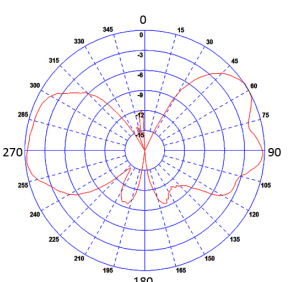
Typical E Plane (900MHz)



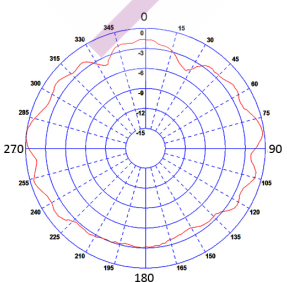
Typical H Plane (900MHz)



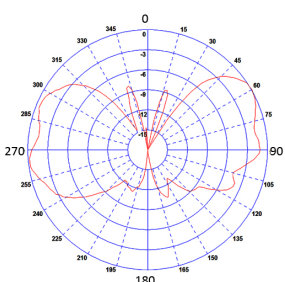
Typical E Plane (1800MHz)



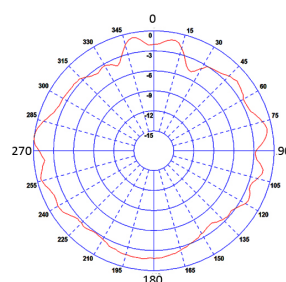
Typical H Plane (1800MHz)



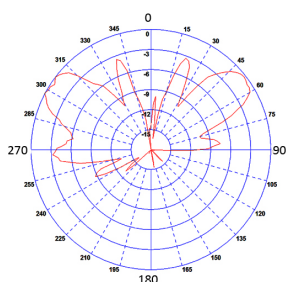
Typical E Plane (2000MHz)



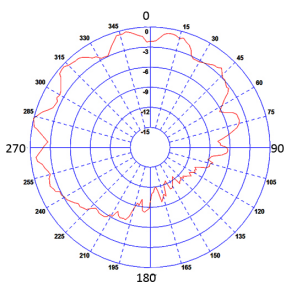
Typical H Plane (2000MHz)



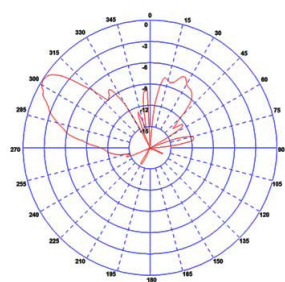
Typical E Plane (2600MHz)



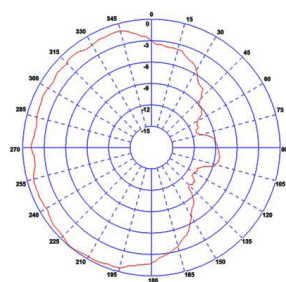
Typical H Plane (2600MHz)



Typical E Plane (3600MHz)



Typical H Plane (3600MHz)



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