



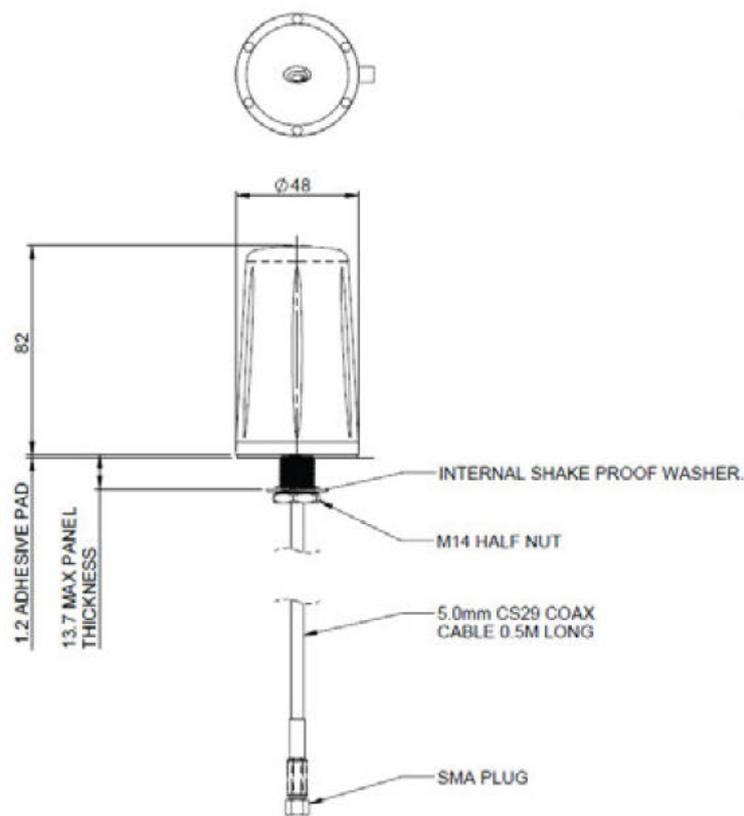
- Rugged low profile design
- Excellent bandwidth

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.

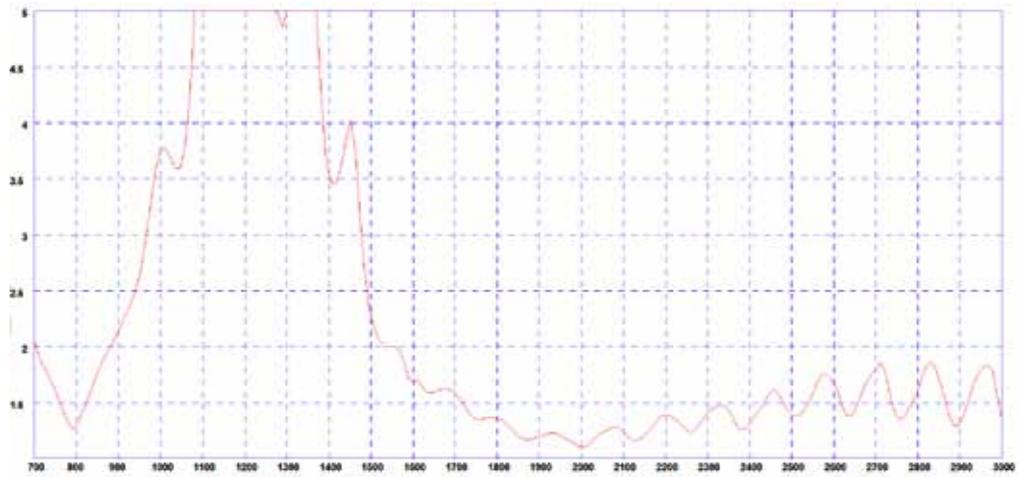
The LPB offers excellent performance across a wide bandwidth. Mounted on a 400 x 400mm groundplane the LPB covers public safety / LTE frequencies across 700 and 800MHz as well as all global cellular frequencies from 698-960 MHz and 1710-2700MHz making it an extremely versatile product.

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

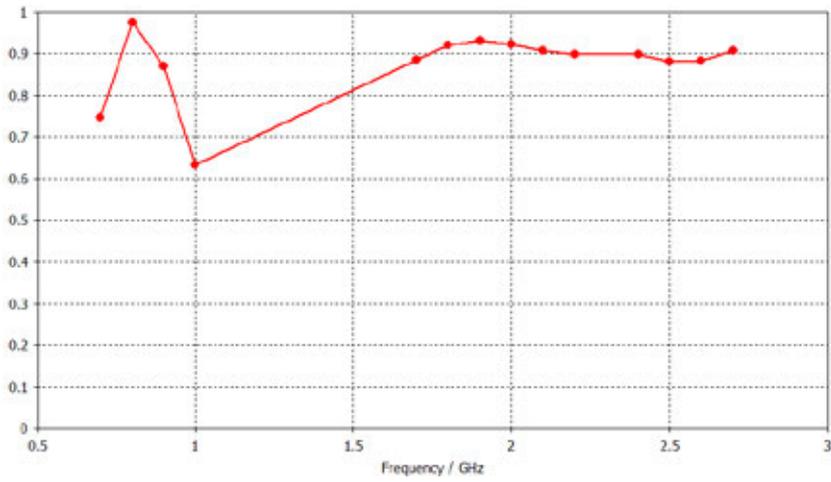
Technical Drawing (Nominal measures)



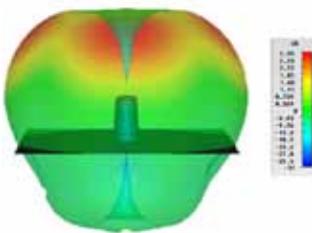
Typical VSWR



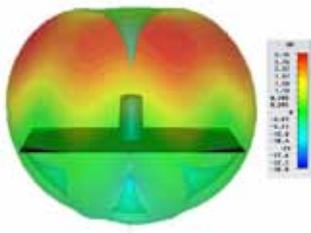
Typical Efficiency



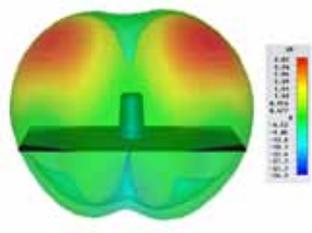
3D Gain Plot (700MHz)



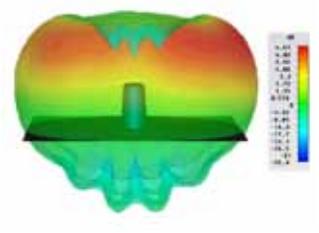
3D Gain Plot (800MHz)



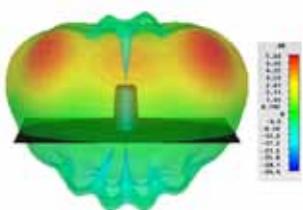
3D Gain Plot (900MHz)



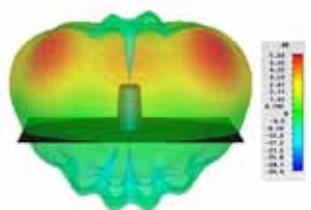
3D Gain Plot (1800MHz)



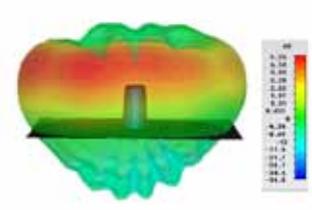
3D Gain Plot (1900MHz)



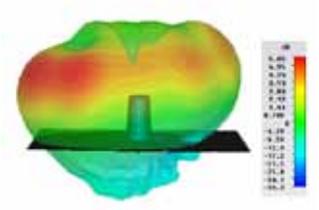
3D Gain Plot (2100MHz)



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 | LPB-7-27-5SP | LPB-7-27-5F |
|----------------------------------|----------------------|---------------------------------------|--------------|-------------|
| Electrical Data | | | | |
| Frequency Range (MHz) | | 698-960 / 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 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 Diameter (mm) | | 14 (0.5") | | |
| Max Panel Thickness (mm) | | 13 (0.5") | | |
| Cable Data | | | | |
| Type | | 5mm low loss coax | | |
| Diameter (mm) | | 5(0.19") | | |
| Length (m) | 0.5(19.6") | 5(16') | 5(16') | |
| Termination | SMA plug | SMA plug | FME plug | |



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