

# LPB-7-27 Panel Mount Antenna

LPB-7-27

## LPB-7-27



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

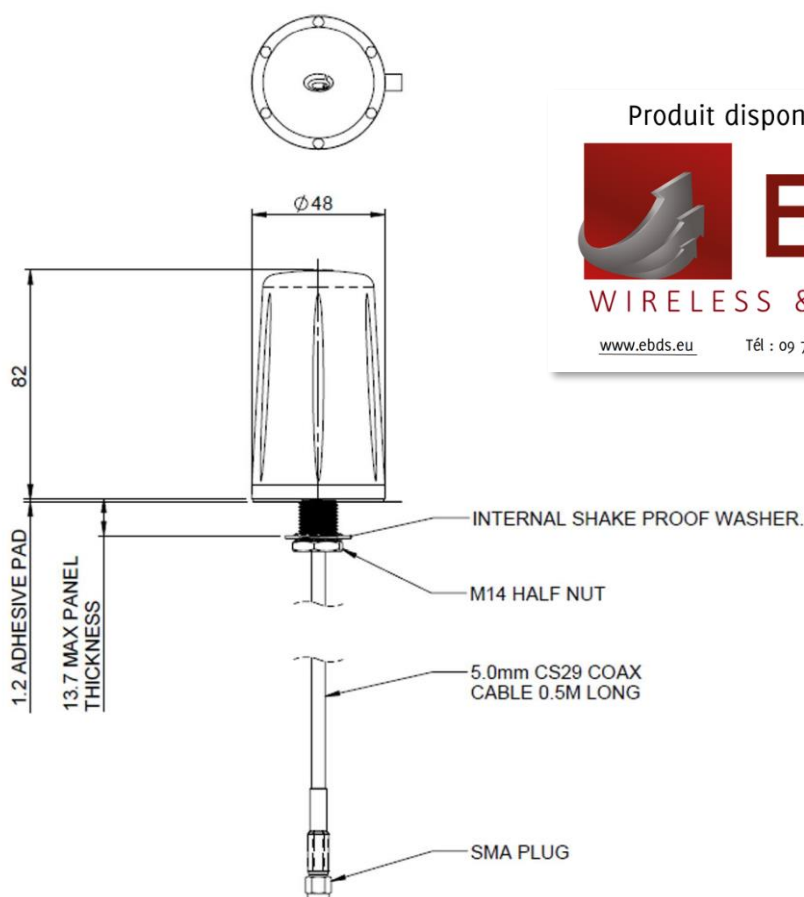
The Panorama LPB low profile antenna range has been designed to perform even in extreme environments. At only 82mm (3.22") high and protected by a robust high impact radome the antenna is almost impervious to daily wear, tear and impact.

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



Produit disponible auprès de :



# EBDS

WIRELESS & ANTENNAS

[www.ebds.eu](http://www.ebds.eu)

Tél : 09 72 36 76 46

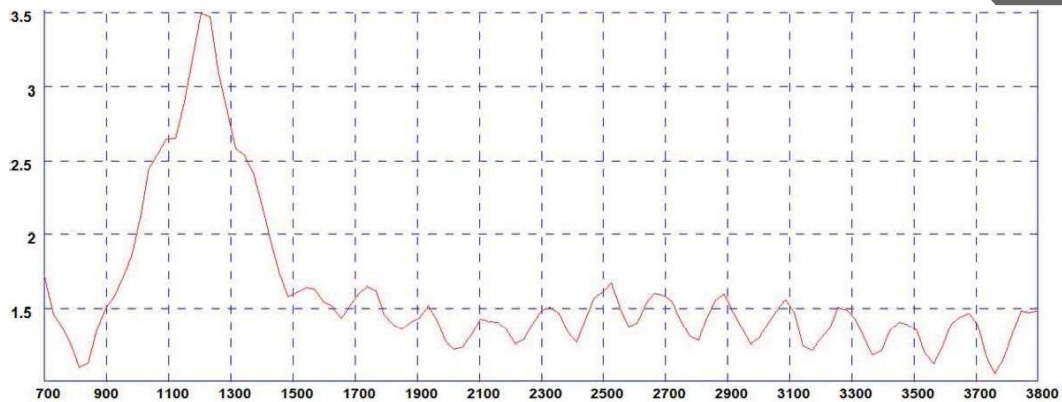
[info@ebds.eu](mailto:info@ebds.eu)

# LPB-7-27 Panel Mount Antenna

LPB-7-27

Typical VSWR

Product Data



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

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

# LPB-7-27 Panel Mount Antenna

LPB-7-27

Produit disponible auprès de :

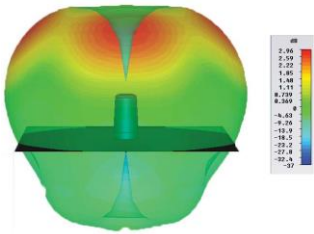


www.ebds.eu Tél : 09 72 36 76 46 info@ebds.eu

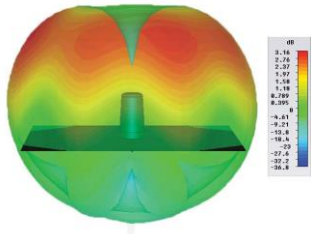
Electrical Data

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

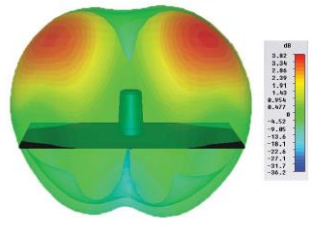
3D Gain Plot (700MHz)



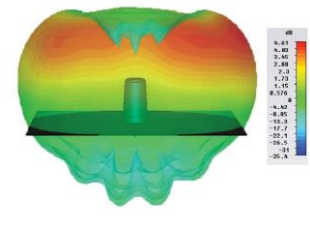
3D Gain Plot (800MHz)



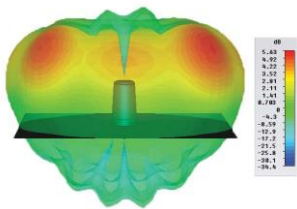
3D Gain Plot (900MHz)



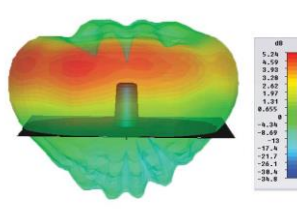
3D Gain Plot (1800MHz)



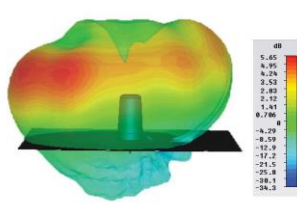
3D Gain Plot (2100MHz)



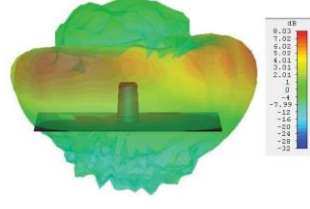
3D Gain Plot (2400MHz)



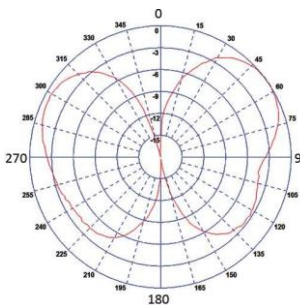
3D Gain Plot (2600MHz)



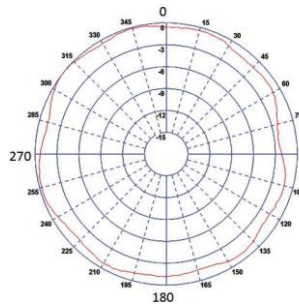
3D Gain Plot (3600MHz)



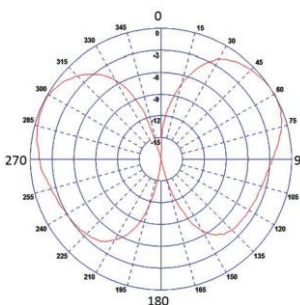
Typical E Plane (850MHz)



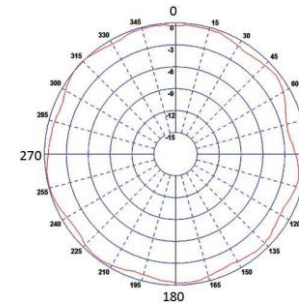
Typical H Plane (850MHz)



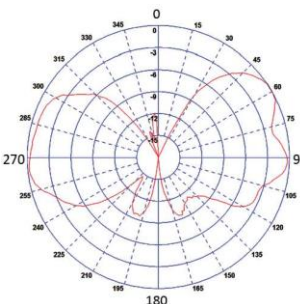
Typical E Plane (900MHz)



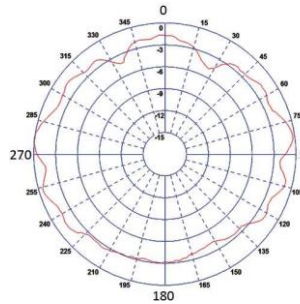
Typical H Plane (900MHz)



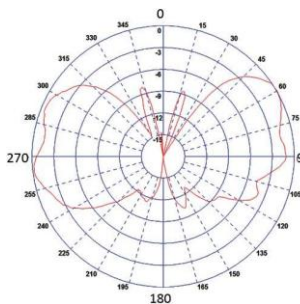
Typical E Plane (1800MHz)



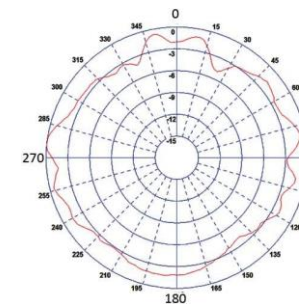
Typical H Plane (1800MHz)



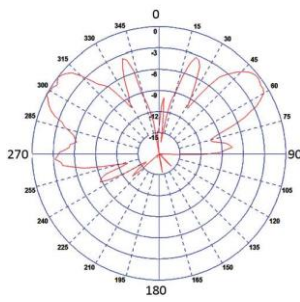
Typical E Plane (2000MHz)



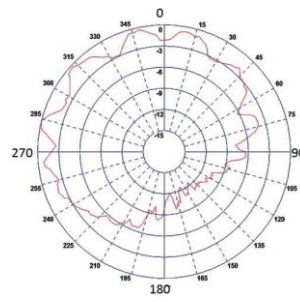
Typical H Plane (2000MHz)



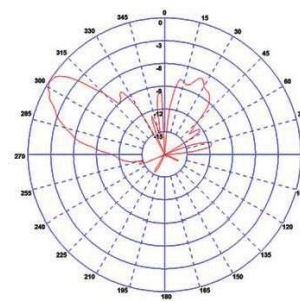
Typical E Plane (2600MHz)



Typical H Plane (2600MHz)



Typical E Plane (3600MHz)



Typical H Plane (3600MHz)

