

Low Profile Antenna

LP420



Rugged design

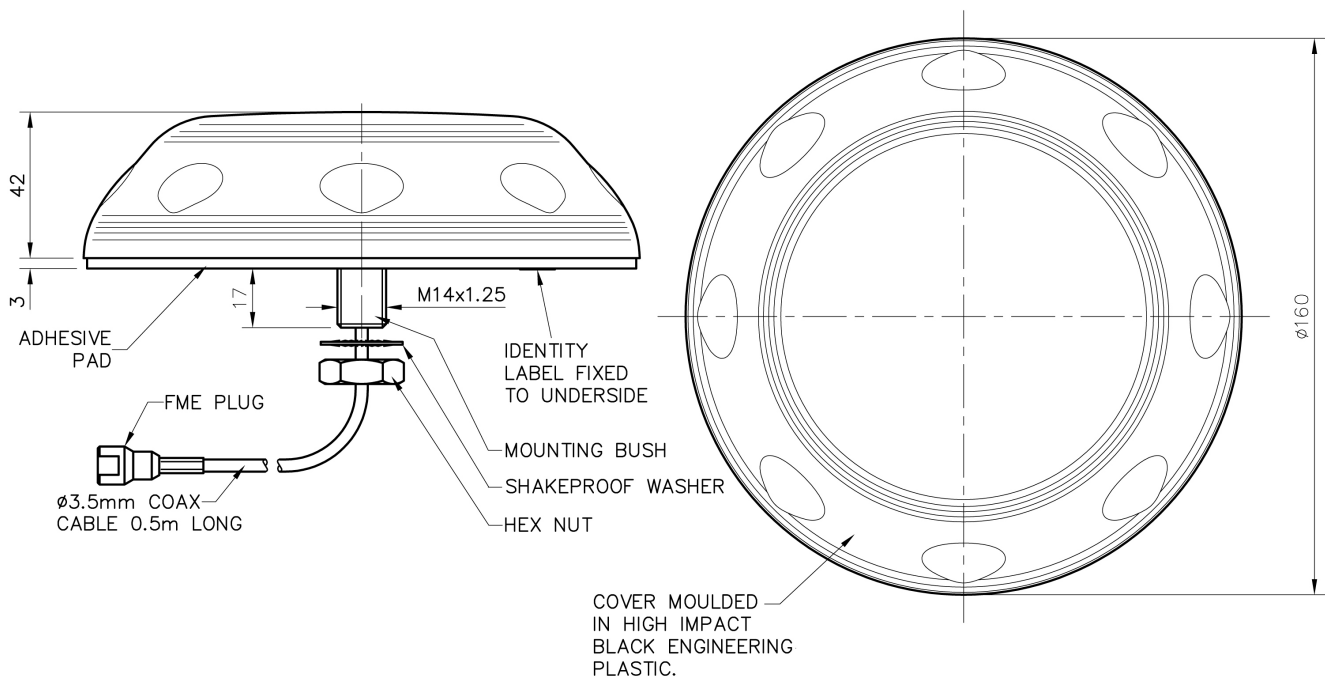
Low profile

Does not require a ground plane

The Panorama low profile antenna range has been designed to perform under extreme pressure. The outer housing is designed to withstand high impacts while maintaining functionality.

The antenna does not require a metallic ground plane and is tuned for mounting on non-metallic surfaces as standard.

Technical Drawing



Low Profile Antenna

LP420

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Electrical Data

Part No.		LP420
Electrical Data		
Frequency Range (MHz)		410-430
Peak Gain: Isotropic		2dBi
Compared to ¼ wave		0dB
Polarisation		Vertical
Pattern		Omni Directional
Impedance		50Ω
Max Input Power (W)		20
Mechanical Data		
Dimensions (mm)	Height	42 (1.65")
	Diameter	160 (6.3")
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)
Material		A.S.A
Colour		Black
Ingress Protection		IP65 (certificate no. 6267/2)
Mounting Data		
Fixing		Panel mount
Mounting hole size (mm)		14 (0.5")
Cable Data		
Type		C35
Thickness (mm)		3.5 (0.1")
Length (m)		0.5 (16')
Termination		FME plug

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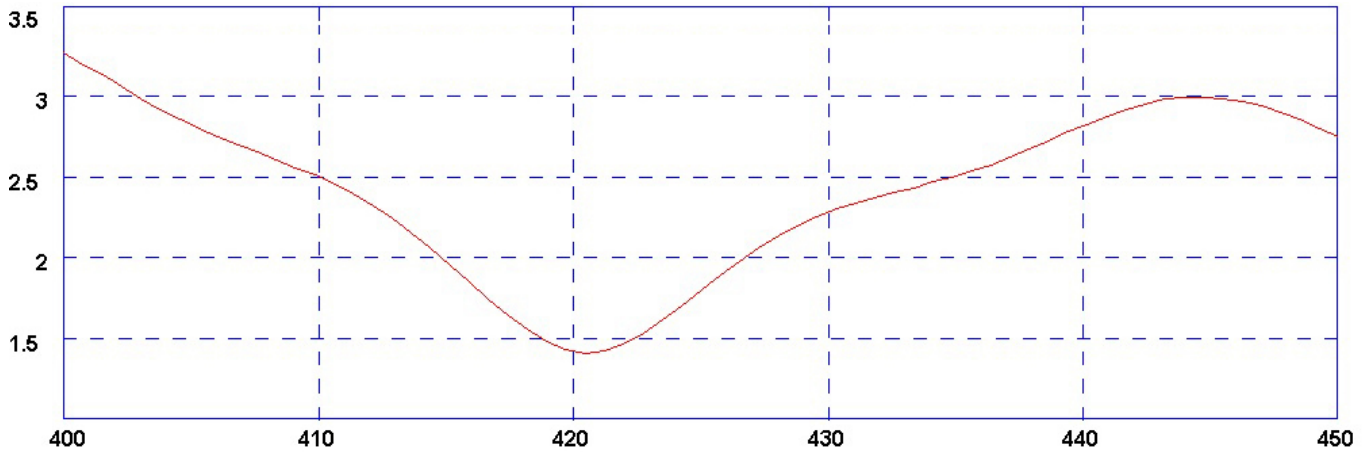
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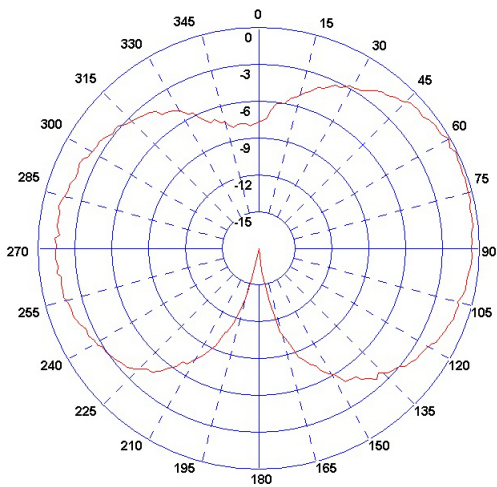
Electrical Data

Typical VSWR (420MHz)*



* Measurement taken in free space with 5m of CS23 cable

Typical E-Plane (420MHz)



Typical H-Plane (420MHz)

