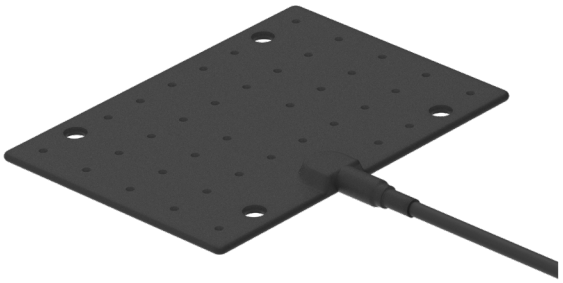
TETRA UHF

Bumper Mount Antenna

BMP1-[UHF]



BMP1-[UHF]

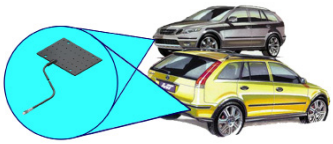
- Covert bumper mounted antenna
- Fully overmoulded construction
- Adhesive fitment inside bumper

The Panorama Bumper Mount Antenna is designed for covert operations and other applications which require a vehicle antenna that is effectively invisible.

Mounted in the vehicle's bumper, installation requires no drilling and is invisible from the outside of the car.

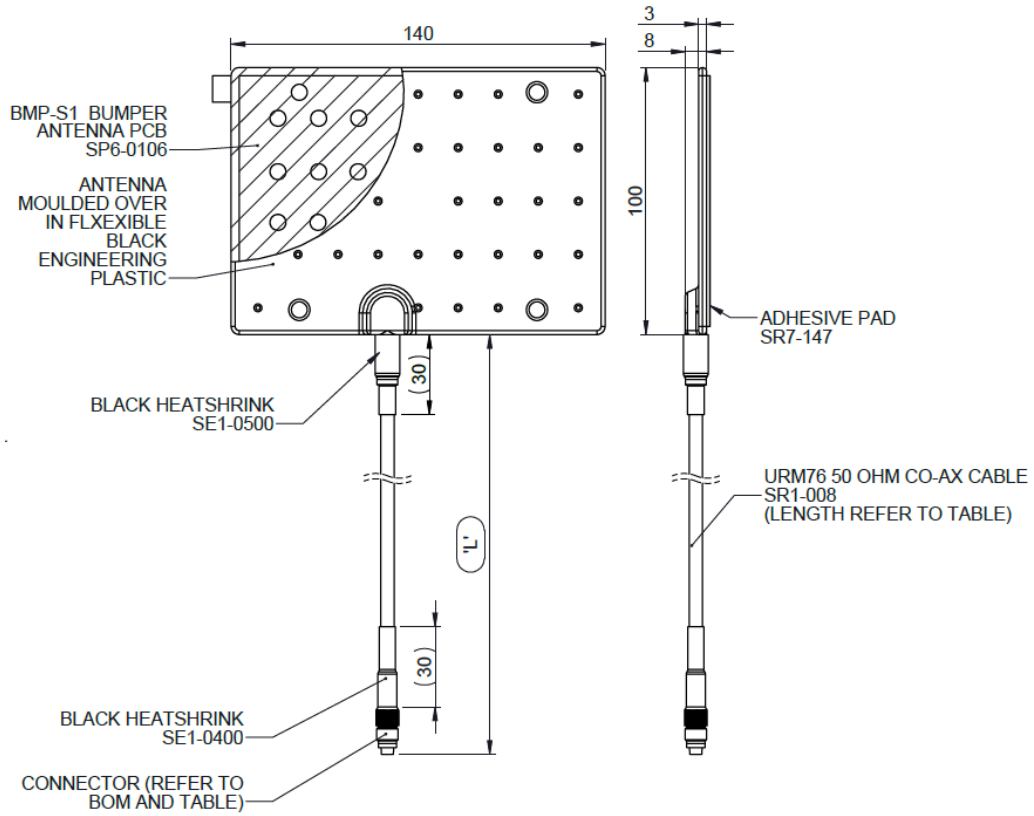
The antenna and cable joint are fully overmoulded with tough flexible TPU plastic for durability and environmental resistance and the cable is fitted with FME Jack (F) or BNC (m). Other connector types also available.

Note that two BMP antennas can be used with a power divider to provide optimal coverage around the vehicle.



Typical antenna positioning

Technical Drawing



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TETRA UHF

Bumper Mount Antenna
BMP1-[UHF]

PANORAMA ANTENNAS

Product Data

Part No.		BMP1-S1-5F	BMP1-S2-5F	BMP1-S3-5F
Electrical Data				
Frequency Range (MHz)		380-400	410-430	380-420
Operational Band		S1	S2	S3
Peak Gain: Isotropic (in free space)			0dBi	
Typical VSWR			<3:1	
Polarisation			Vertical	
Pattern			Omni-directional	
Impedance			50Ω	
Max Input Power (W)			15	
Mechanical Data				
Dimensions (mm)	Length		140 (5.5”)	
	Width		100 (3.9”)	
	Depth		4 (including adhesive pad)	
Operating Temp (°C)			-40° / +80°C (-40°/+176° F)	
Material			TPE	
Colour			Black	
Mounting Data				
Fixing			Adhesive pad & 4 × fixing holes	
Cable Data				
Type			CS23 (RG58 c/u)	
Diameter (mm)			5 (0.19”)	
Length (m)	To radio port	5 (16’ 4”)	5 (16’ 4”)	5 (16’ 4”)
	Antenna cable	5 (16’ 4”)	7 (23’)	10 (32’ 8”)
Termination (at radio port)		FME (f)	FME (f)	FME (f)

*VSWR measured in free space on perspex sheet with 5m (16.4’) of CS23 cable
+Peak gain as measured in free space mounted to a perspex sheet with 0.5m (1.5’) of CS23 cable.

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TETRA UHF

Bumper Mount Antenna
BMP1-[UHF]

PANORAMA ANTENNAS

Product Data

Part No.		BMP1-S1-5B	BMP1-S2-5B	BMP1-S3-5B
Electrical Data				
Frequency Range (MHz)		380-400	410-430	380-420
Operational Band		S1	S2	S3
Peak Gain: Isotropic (in free space)			0dBi	
Typical VSWR			<3:1	
Polarisation			Vertical	
Pattern			Omni-directional	
Impedance			50Ω	
Max Input Power (W)			15	
Mechanical Data				
Dimensions (mm)	Length		140 (5.5”)	
	Width		100 (3.9”)	
	Depth		4 (including adhesive pad)	
Operating Temp (°C)			-40° / +80°C (-40°/+176° F)	
Material			TPE	
Colour			Black	
Mounting Data				
Fixing			Adhesive pad & 4 × fixing holes	
Cable Data				
Type			CS23 (RG58 c/u)	
Diameter (mm)			5 (0.19”)	
Length (m)		5 (16’ 4”)	5 (16’ 4”)	5 (16’ 4”)
Termination (at radio port)		BNC (m)	BNC (m)	BNC (m)

*VSWR measured in free space on perspex sheet with 5m (16.4’) of CS23 cable
+Peak gain as measured in free space mounted to a perspex sheet with 0.5m (1.5’) of CS23 cable.

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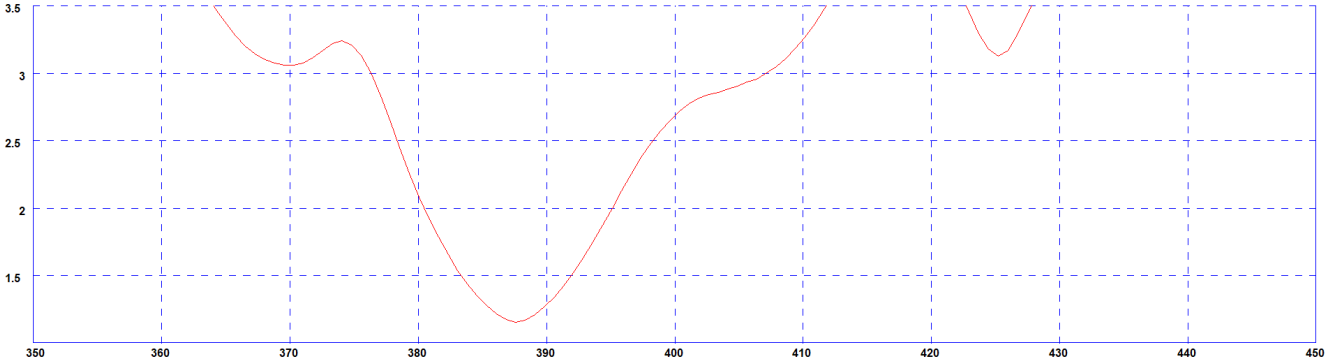
Electrical Data

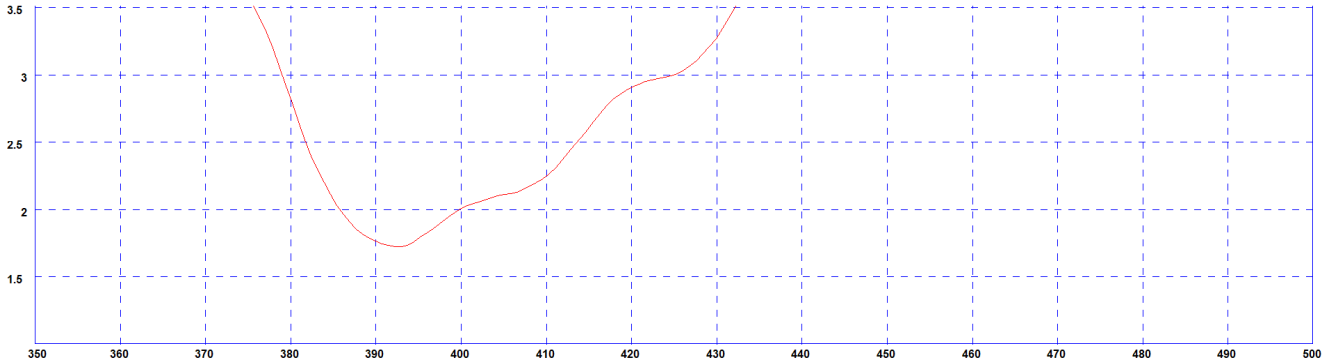
Typical VSWR*

Measured VSWR for BMP1-S1



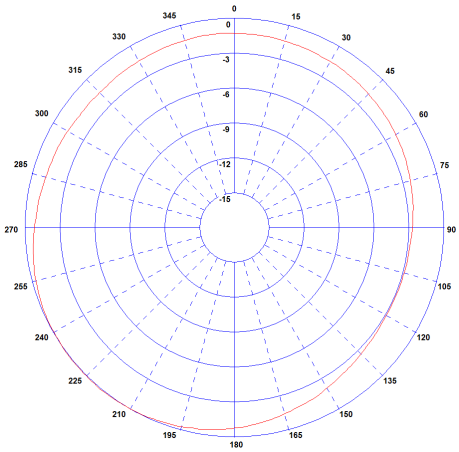
*VSWR measured in free space on perspex sheet with 5m (16.4') of CS23 cable

Measured VSWR for BMP1-S3

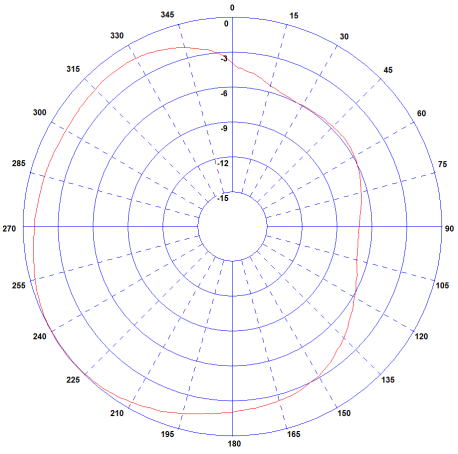


*VSWR measured in free space on perspex sheet with 5m (16.4') of CS23 cable

Typical H-Plane BMP1-S1 (390MHz)



Typical H-Plane BMP1-S3 (400MHz)



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