

# TETRA UHF

## Covert Glass Mount Antenna

06/04/2016 V2



### GM-CV

Covert UHF glass mount

Designed to look like a GSM car kit antenna

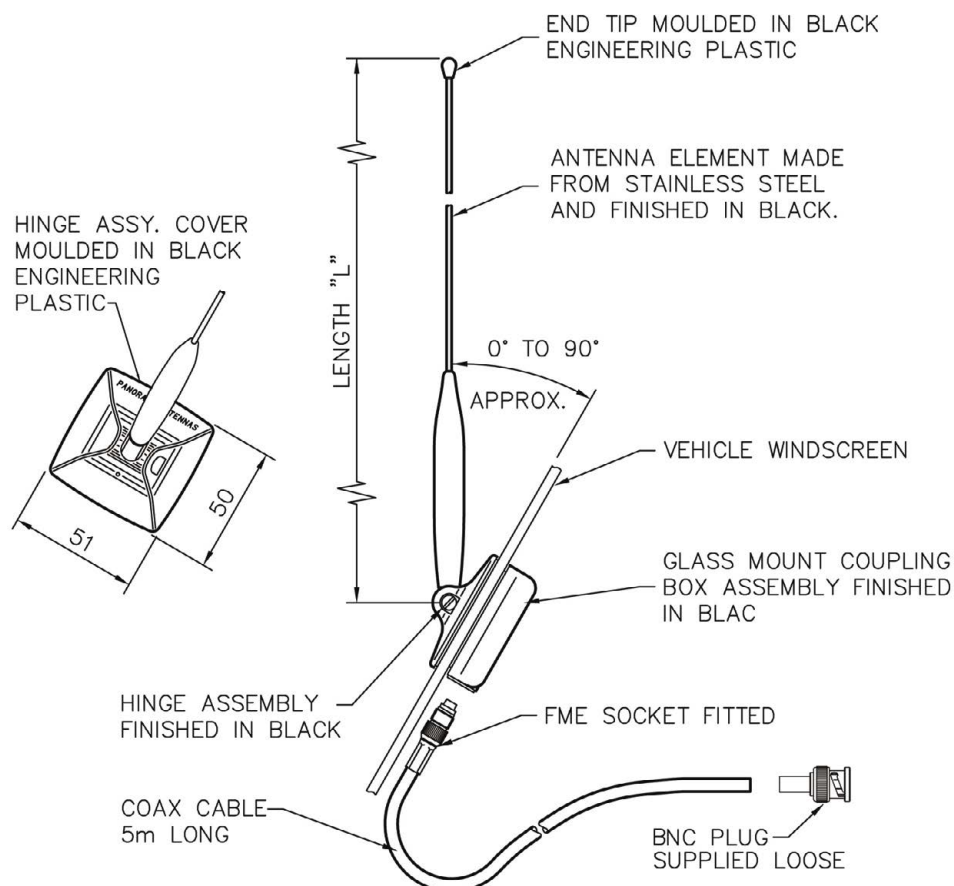
Patented solid state coupling

The Panorama glass mount antenna requires no holes or special tools and can be installed easily and quickly on a windscreen or rear window.

The antenna couples capacitively through the glass and its high positioning gives it an almost omni-directional radiating pattern, with performance similar to a conventionally mounted roof-top antenna.

The antenna is designed to look like a GSM glass mount and is ideal for when a discrete installation is required.

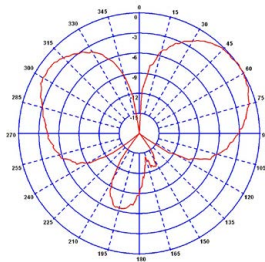
### Technical Drawing



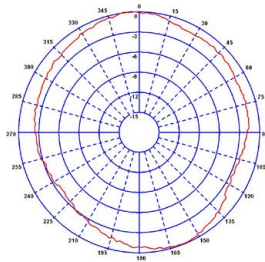
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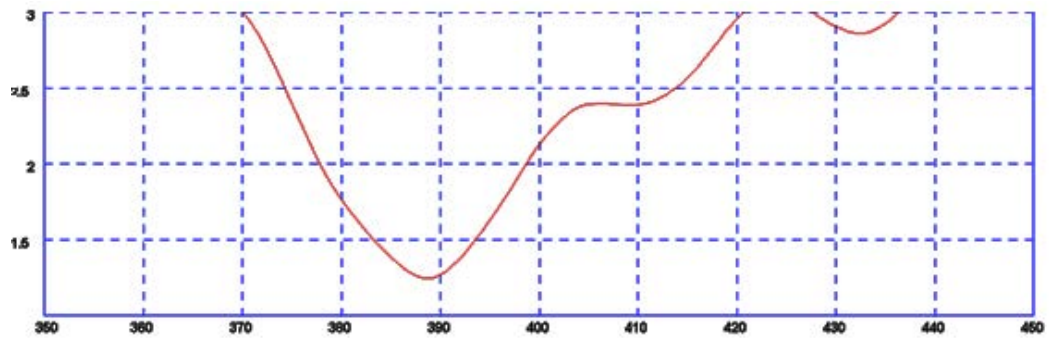
Typical E-Plane (390MHz)



Typical H-Plane (390MHz)



Typical VSWR



\* VSWR shown GM-S1-CV-5 measured with 5m (17') of CS23 on a glass sheet.

### Part No.

GM-S1-CV-5BL

GM-S2-CV-5BL

GM-S3-CV-5BL

GM-S4-CV

### Electrical Data

Frequency Range (MHz)	380-400	410-430	380-420	450-470
Operational Band	S1	S2	S3	S4
Peak Gain: Isotropic	2dBi			
Typical Bandwidth @ 2.5:1 VSWR	8%			
Polarisation	Vertical			
Pattern	Omni-directional			
Impedance	50Ω			
Max Input Power (W)	20			

### Mechanical Data

Whip Length (mm)	259 (10.2")	214 (8.42")
Operating Temp (°C)	-40° / +80°C (-40° / +176°F)	
Material	Stainless steel, plated brass & ABS	
Colour	Black	

### Mounting Data

Fixing	External glass mount	
Mounting Foot Dimensions (mm)	Length	50.4 (2")
	Width	51.4 (2")
Material	ABS	

### Cable Data

Type	CS23 (RG58 c/u)	
Diameter (mm)	5 (0.2")	
Length (m)	5 (17')	
Termination	Bare end with loose BNC Plug	Bare end

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