

# Mobile Radio

## VHF Panel Mount Antenna

17/03/2016 v4



### AVHB

Rugged construction

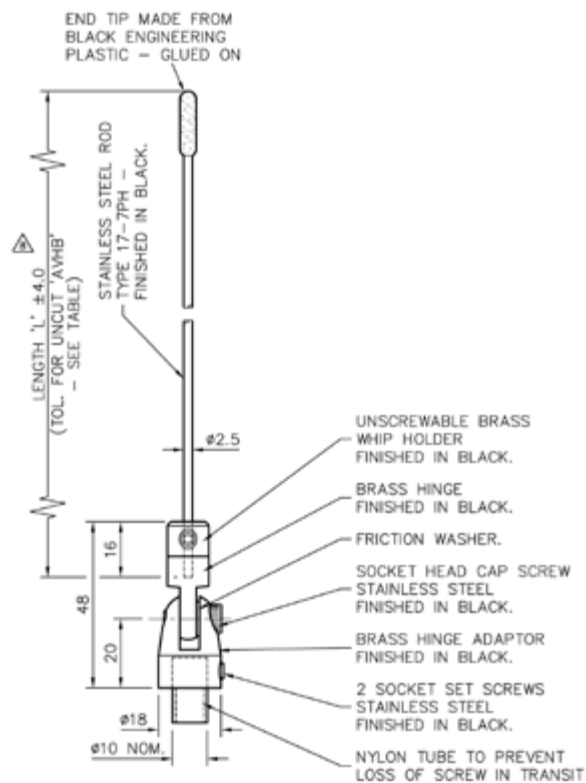
¼ Wave Antenna

Hinged base

The AVHB range is a durable roof mounted solution for vehicle installations at VHF frequencies.

The radiator is fabricated from high quality 17-7PH stainless steel and can be removed for low clearances or car washes. The antenna is compatible with the full range of Panorama Antennas Ltd modular bases and features a convenient hinge mounting.

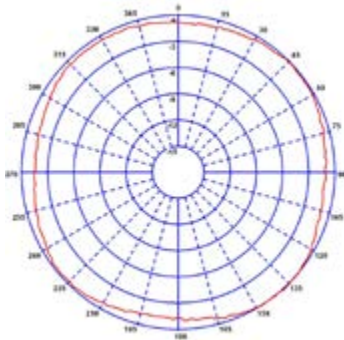
#### Technical Specification



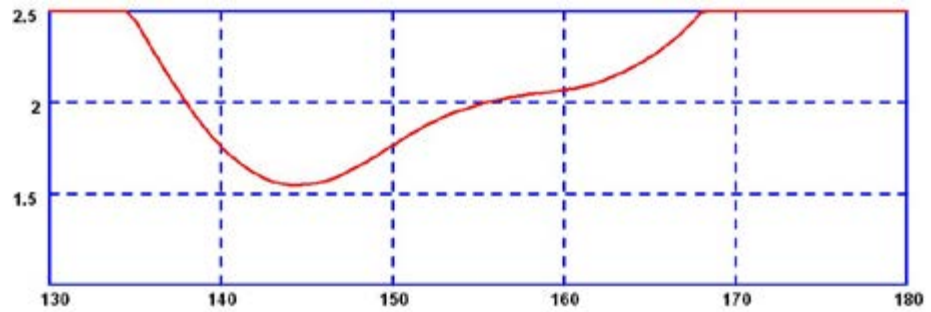
# Mobile Radio

## VHF Panel Mount Antenna

Typical H-Plane



Typical VSWR\*



\*Measured on a 1m x 1m (3.3ft x 3.3ft) Groundplane with 5m of CS23 cable

Part Number		AVHB [uncut]	AVHB-H4	AVHB-H5	AVHB-H6	AVHB-H7
<b>Electrical Data</b>						
Frequency Range (MHz)		-	141-151	149-159	156-162	162-174
Gain: Isotropic		2dBi	2dBi	2dBi	2dBi	2dBi
Compared to ¼ wave		0dB	0dB	0dB	0dB	0dB
Bandwidth @ 2:1 VSWR		10%	10%	10%	10%	10%
Polarisation		Vertical	Vertical	Vertical	Vertical	Vertical
Pattern		Omni Directional	Omni Directional	Omni Directional	Omni Directional	Omni Directional
Impedance		50Ω	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)		100	100	100	100	100
<b>Mechanical Data</b>						
Dimensions (mm)	Total Height	1220	467	444	428	405
	Base Diameter	18	18	18	18	18
Operating Temp (°C)		-40° / +80°C	-40° / +80°C	-40° / +80°C	-40° / +80°C	-40° / +80°C
Material		Stainless steel & plated brass	Stainless steel & plated brass	Stainless steel & plated brass	Stainless steel & plated brass	Stainless steel & plated brass
Colour		Black	Black	Black	Black	Black

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