

Mobile Radio High Gain Panel Mount Antenna

AVGHB

28/01/2016 v3

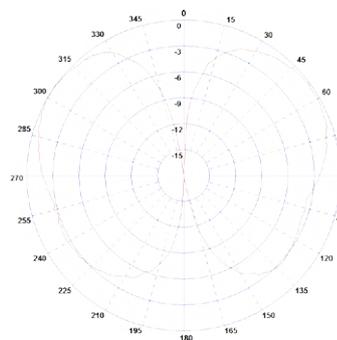


- High gain
- Rugged construction
- Hinged base and removable radiator

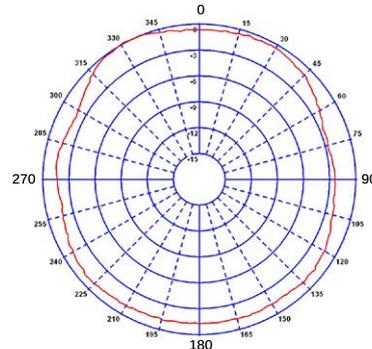
The AVGHB range is a durable roof mounted solution for vehicle installations requiring gain at VHF frequencies. The antenna offers 5dBi gain thanks to a fully encapsulated base loading coil.

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.

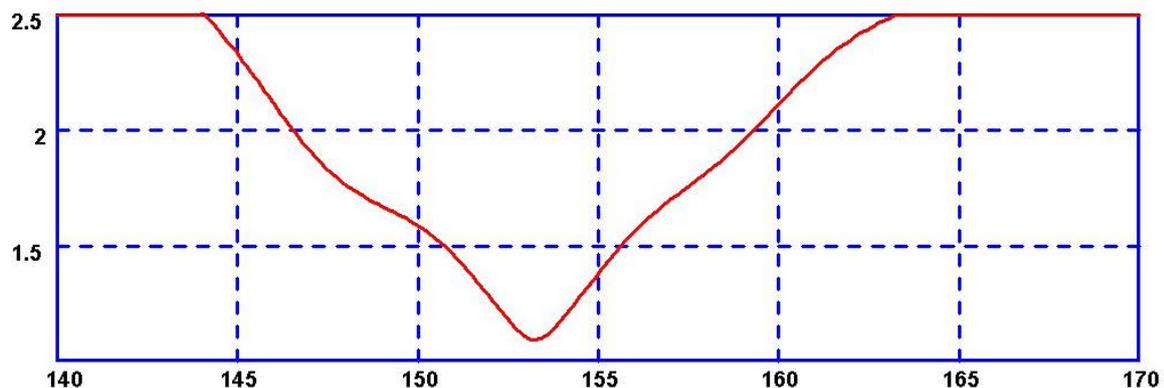
Typical E-Plane



Typical H-Plane

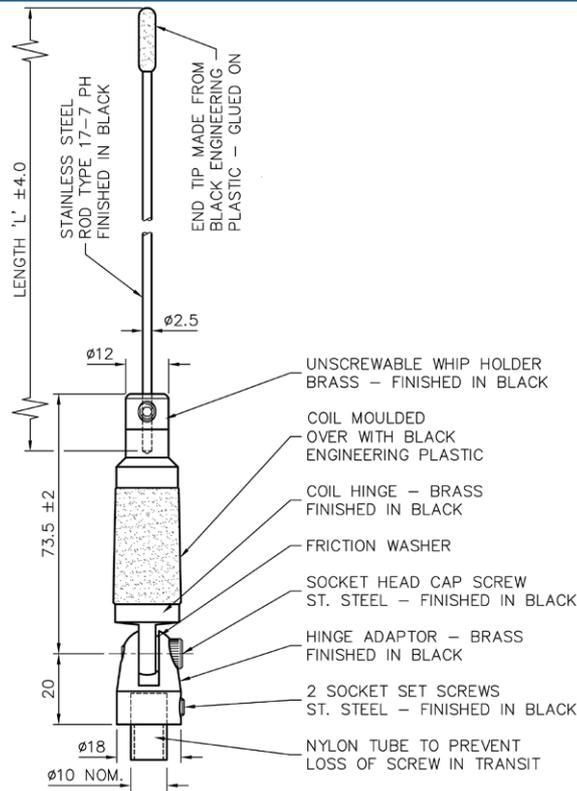


Typical VSWR*



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

Technical Specification



Part Number

AVGHB [uncut] AVGHB-H4 AVGHB-H5 AVGHB-H6 AVGHB-H7

Electrical Data

Frequency Range (MHz)	-	141-151	149-159	156-162	162-174
Peak Gain: Isotropic	5dBi	5dBi	5dBi	5dBi	5dBi
Compared to ¼ wave	3dB	3dB	3dB	3dB	3dB
Bandwidth @ 2:1 VSWR	10%	10%	10%	10%	10%
Polarisation	Vertical	Vertical	Vertical	Vertical	Vertical
Pattern	Omni Directional				
Impedance	50Ω	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)	50	50	50	50	50

Mechanical Data

Dimensions (mm)	Total Height	1579 (5.2')	1417 (4.7')	1339 (4.4')	1294 (4.2')	1215 (4')
	Base Diameter	18 (1.5")	18 (1.5")	18 (1.5")	18 (1.5")	18 (1.5")
Operating Temp (°C)		-40° / +80°C (-40°/176°F)				
Material		Stainless steel & engineering plastic				
Colour		Black	Black	Black	Black	Black

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

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