

TETRA UHF - High Gain Wideband UHF Antenna A5[S]G[H]-VAR



A5GH / A5SG

A5GH – hinged for M8 and MMR base

A5SG - for GPSB Sharkee base

5dBi Colinear antenna

Broad band design with consistent gain

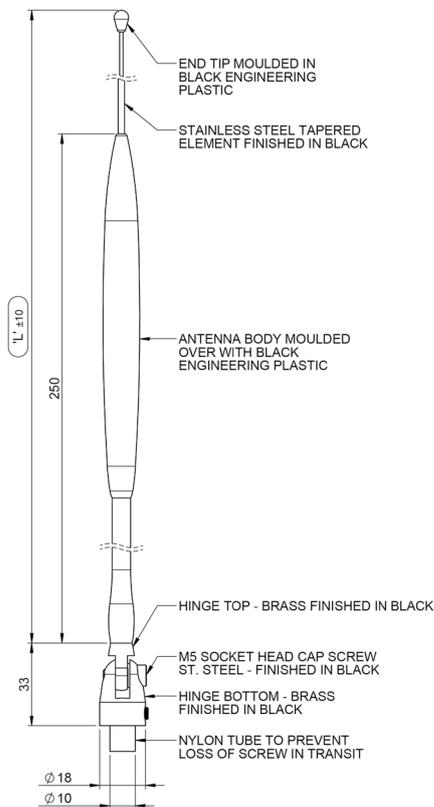
The A5G series antenna is a 5dBi gain collinear type which provides consistent performance over a wide frequency range. It is ideal for use on systems that require mobile transmit (uplink) at each end of the operating band. The antenna can extend the operating range of a radio system by improving the link performance.

The antenna features a fully moulded lower section, encapsulating the high efficiency phasing coil and a tapered 17-7PH stainless steel top section whip.

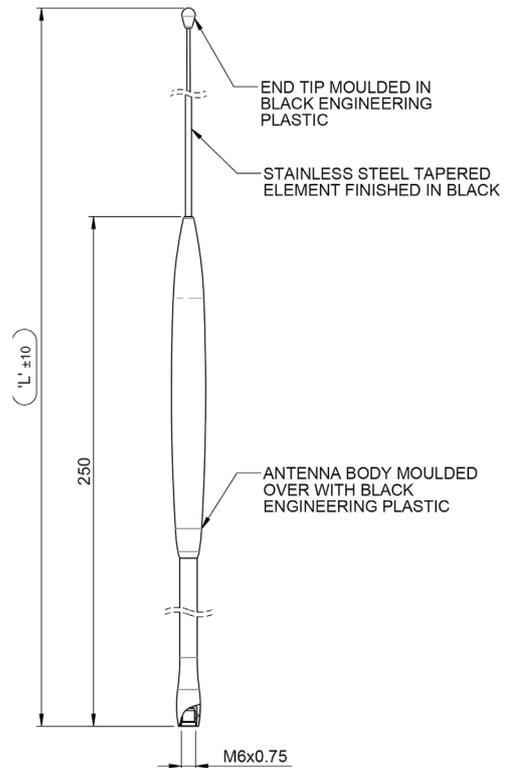
The antenna is available in 2 different frequency versions and to fit either modular bases (M8, MMR and MBM types) or GPSB Sharkee base.

Technical Drawing

A5[S]G[H] shown



A5GH



A5SG

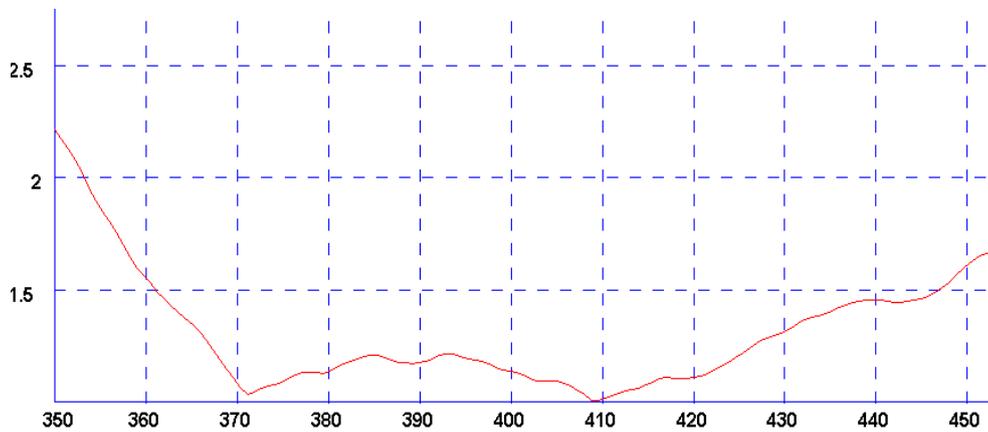
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A5[S]G[H]-VAR

Product Data

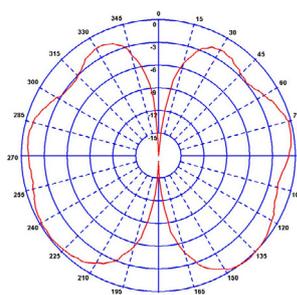
Part No.	A5SG-TET	A5GH-TET	
Electrical Data			
Frequency Range (MHz)	380 - 430	380 - 470	
Operational Band	TET	TET / S4	
Peak Gain: Isotropic	5dBi		
Compared to ¼ wave	3dB		
Typical VSWR	≤ 2:1		
Polarisation	Vertical		
Pattern	Omni-directional		
Impedance	50Ω		
Max Input Power (W)	50		
GPS/GNSS Data			
Dimensions (mm)	Total Height	475 (18.7")	590 (23.2")
	Base Diameter	18 (0.7")	18 (0.7")
Operating Temp (°C)	-40° / +80°C (-40°F / 176°F)		
Material	17-7PH Stainless steel (black chrome plated) & polyamide		
Colour	Black		
Termination	M6 x 0.75	Modular hinge base	

Typical VSWR*



*A5GH shown mounted on M8 base with 5m (17') CS23 cable, measured on a 1m x 1m (3' x 3') groundplane

Typical E-Plane (405MHz)



Typical H-Plane (405MHz)

