

# TETRA UHF

## High Gain Wideband UHF Antenna

20/01/2016 v.2



### A5GH / A5SG

A5GH – hinged for M8 and MMR base

A5SG - for GPSB Sharkee base

5dBi Colinear antenna

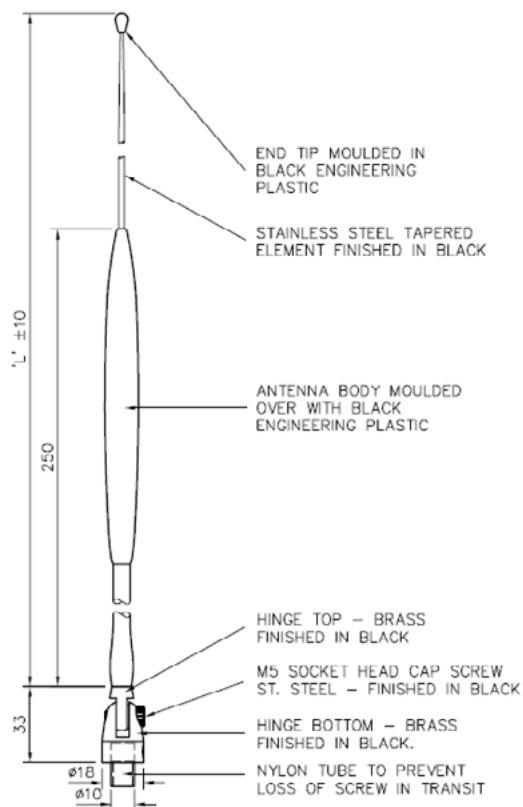
Broad band design with consistent gain

The A5G series antenna is a 5dBi gain colinear 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.

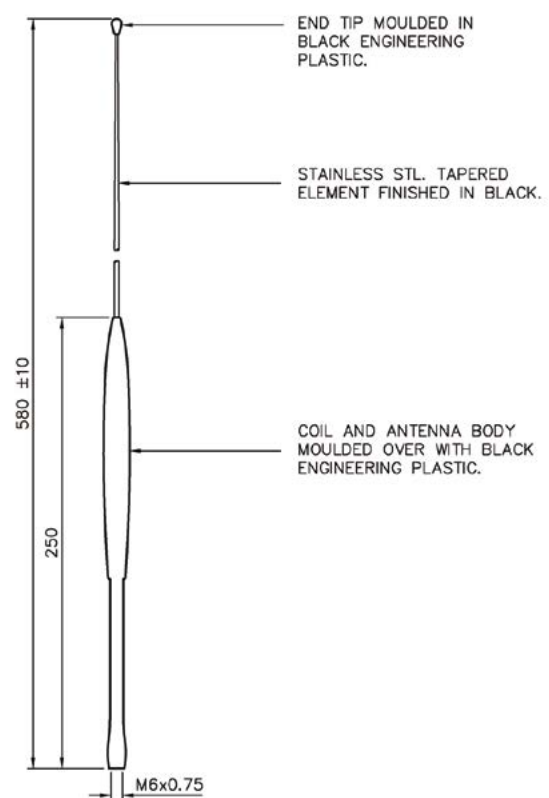
The antenna features a fully moulded lower section, encapsulating the high efficiency phasing coil and a tapered 17-7PH stainless steel top section whip.

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

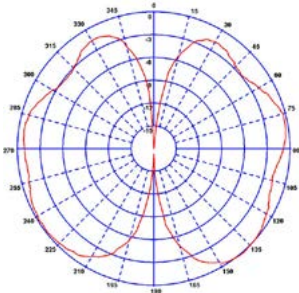


A5GH

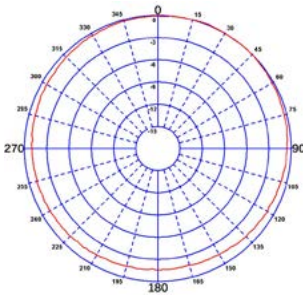


A5SG

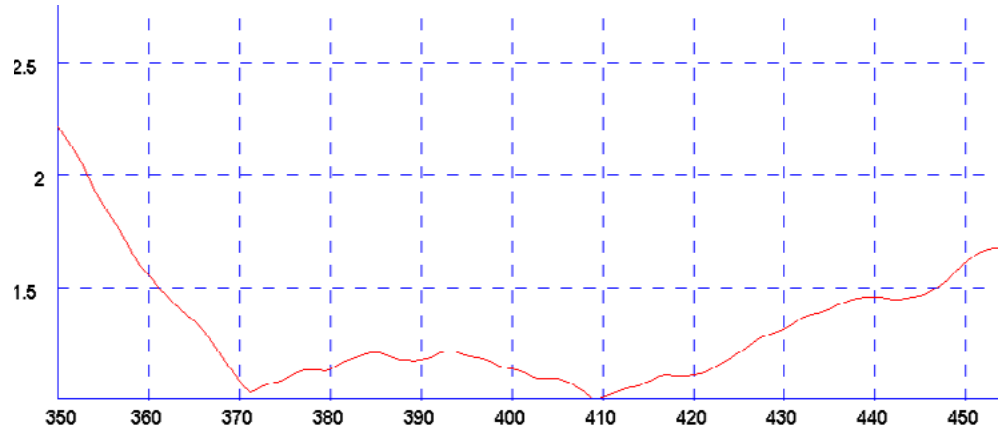
Typical E-Plane (405MHz)



Typical H-Plane (405MHz)



Typical VSWR\*



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

Part No.					
	A5SG-TET	A5SG-S4	A5GH-TET	A5GH-S4	
<b>Electrical Data</b>					
Frequency Range (MHz)	380 - 430	450-470	380-470	450-470	
Operational Band	TET	S4	TET / S4	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	
<b>Mechanical Data</b>					
Dimensions (mm)	Total Height	527 (20.7")	475 (18.7")	590 (23.2")	545 (21.4")
	Base Diameter	18 (0.7")	18 (0.7")	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		

**Panorama Antennas Ltd**  
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444  
F: +44 (0)20 8877 4477

E: sales@panorama-antennas.com  
www.panorama-antennas.com



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.

