



## AFGB-[UHF]

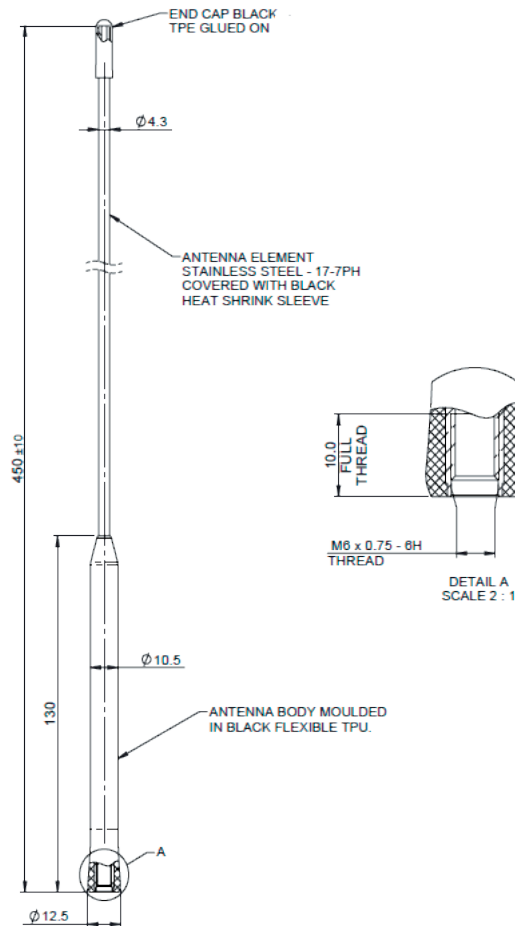
- OEM bee-sting style
- Flexible overmoulded construction
- High peak gain

The AFGB range offers omni-directional performance with peak gain higher than a 1/4 wave at key UHF frequencies. The antenna whip is styled like an OEM 'bee-sting' type antenna and is both discrete and durable featuring an overmoulded coil and stainless steel rod.

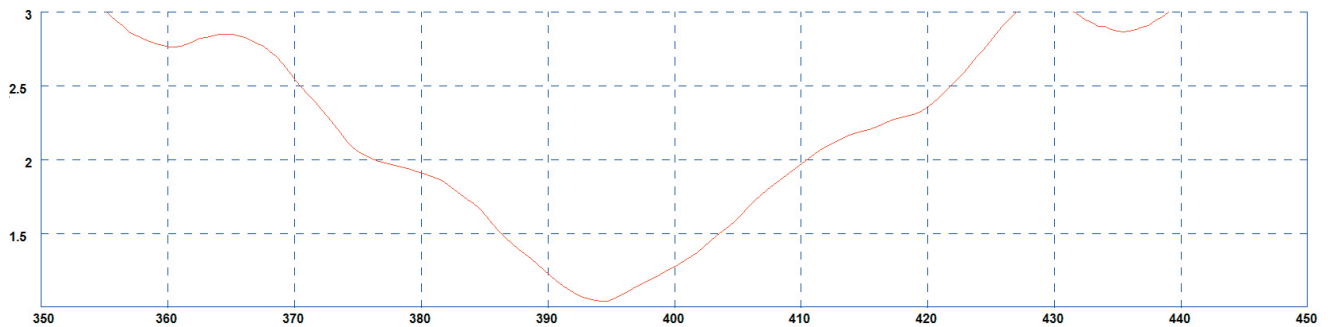
The antenna is flexible for added damage resistance and can be mounted on a range of Panorama GPS combination bases such as the GPSB, GPSD and GPSK.

### Technical Drawing

Part No. AFGB-395 Shown

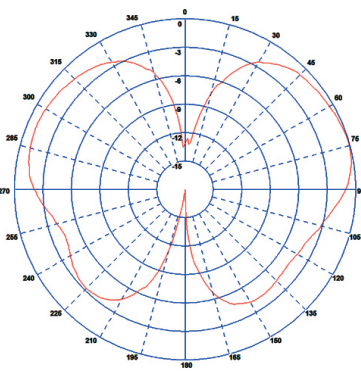


Typical VSWR\*

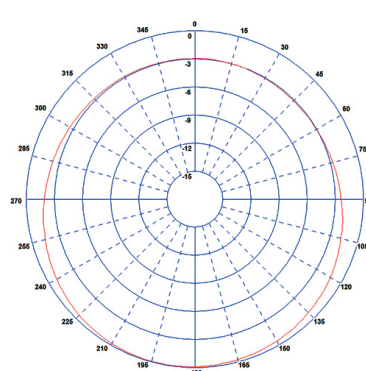


\*Measured on a 1m x 1m (3ft x 3ft) ground plane with 5m (17') of CS23 cable

Typical E-Plane (395MHz)



Typical H-Plane (395MHz)



Part Number		AFGB-395	AFGB-S1	AFGB-S2	AFGB-S4
<b>Electrical Data</b>					
Frequency Range (MHz)		380-410	380-400	410-430	450-470
Operational Band		S1+	S1	S2	S4
Typical Peak Gain:**		3dBq	3dBq	3dBq	3dBq
Typical VSWR*		< 2:1			
Polarisation		Vertical			
Pattern		Omni-directional			
Nominal Impedance		50Ω			
Max Input Power (W)		60			
<b>Mechanical Data</b>					
Dimensions (mm)	Total Height	450 ( 17.7" )	455 ( 17.9" )	417 ( 16.4" )	370 ( 14.56" )
	Base Diameter	10.5 ( 0.4" )			
Operating Temp (°C)		-40° / +80°C ( -40° / 176°F )			
Material		Stainless Steel & TPE			
Colour		Black			
Termination		M6 x 0.75			

\*Typical VSWR measured with 5m (17') of CS23 Cable

\*\*Gain figures quoted are for the AFGB type antenna, compared to a 1/4λ antenna, mounted on the same base configuration