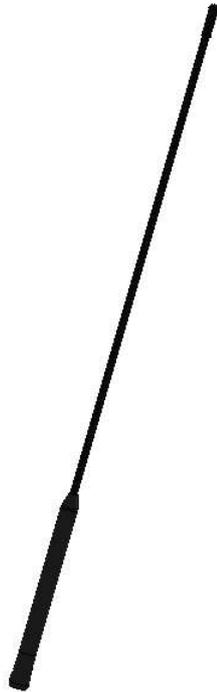


# Flexible Gain UHF Antenna

AFGB-[UHF]



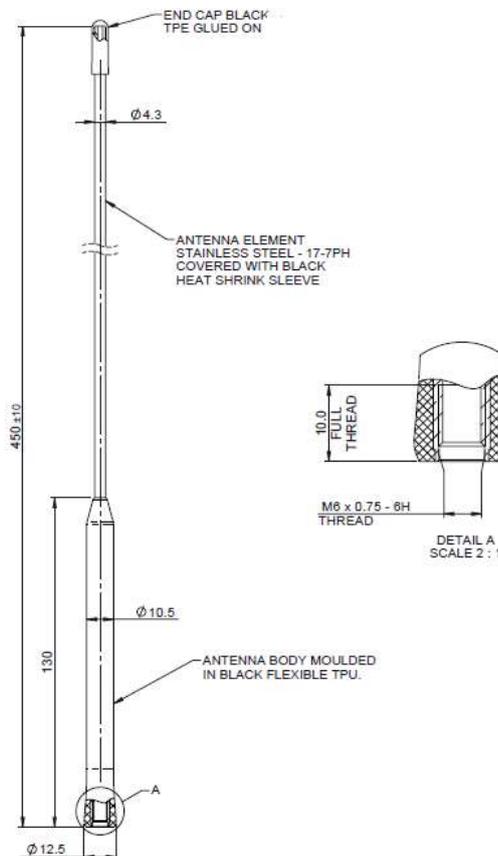
- OEM bee-sting style
- Flexible overmoulded construction
- High peak gain

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

AFGB-395 Shown

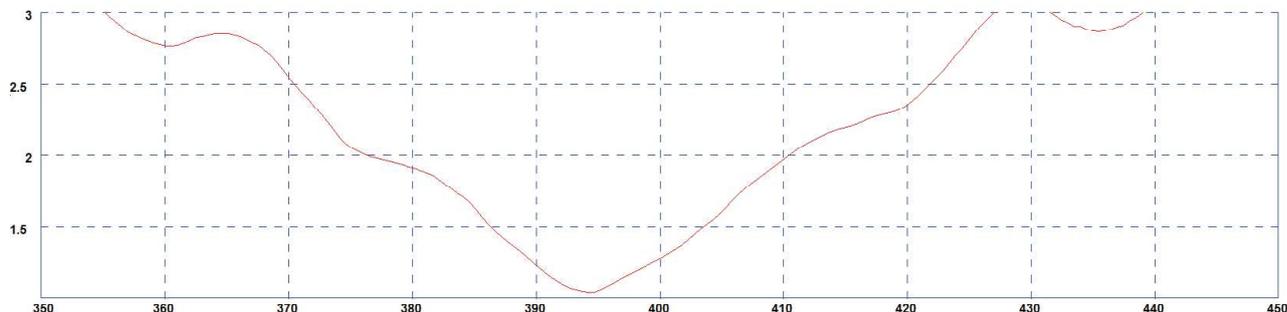


# Flexible Gain UHF Antenna

AFGB-[UHF]

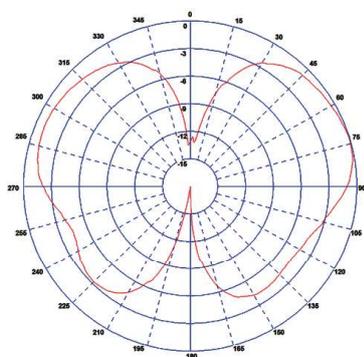
Typical VSWR\*

Product Data

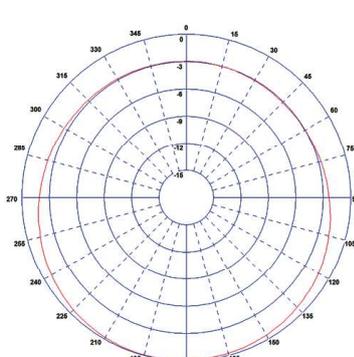


\*Measured on a 1m x 1m (3ft x 3ft) ground plane with 5m (17') of CS23 cable

Typical E-Plane (395MHz)



Typical H-Plane (395MHz)



## Part Number

AFGB-395

AFGB-S1

AFGB-S2

AFGB-S4

## Electrical Data

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

## Mechanical Data

Dimensions

Total Height

450 ( 17.7" )

455 ( 17.9" )

417 ( 16.4" )

370 ( 14.56" )

(mm)

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