

Ultra Flexible UHF whip

AFNTGB-VAR

09/05/2016 v1



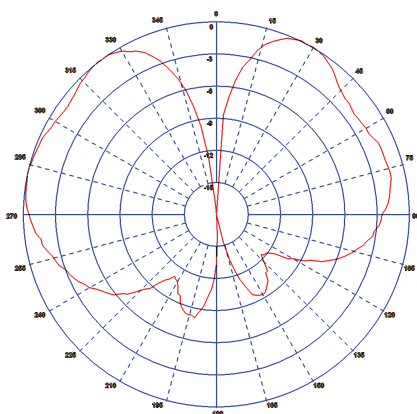
- 5dBi peak gain
- Ultra-flexible nickel titanium whip
- Ideal for low clearance scenarios

The AFNTGB range offers omni-directional performance with a peak gain of 5dBi and can be tuned to a range of UHF frequencies.

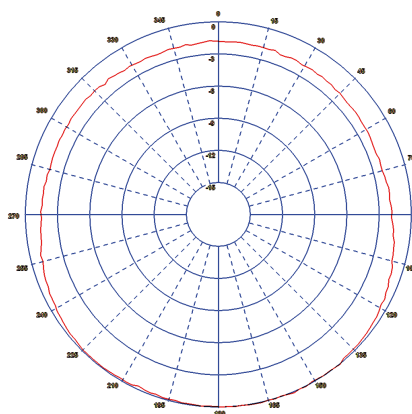
The antenna is designed to be ultra-flexible for low clearance scenarios featuring an overmoulded coil and nickel titanium whip which can bend extensively and repeatedly and still return to its original vertical orientation.

The antenna is installed via the M6x0.75 threaded terminal and can be mounted on a range of Panorama GPS combination bases such as the GPSB and GPSK. The rigid / semi-rigid length of the antenna is < 100mm (3.9").

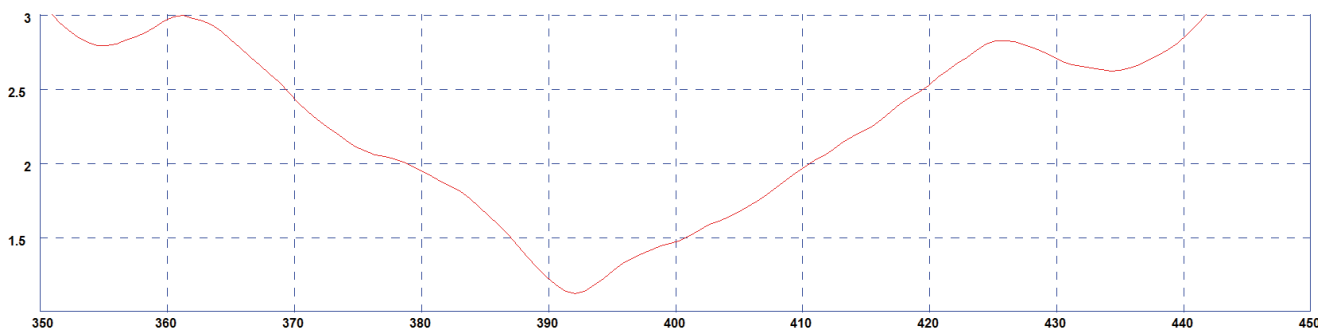
Typical E-Plane (395MHz)



Typical H-Plane (395MHz)

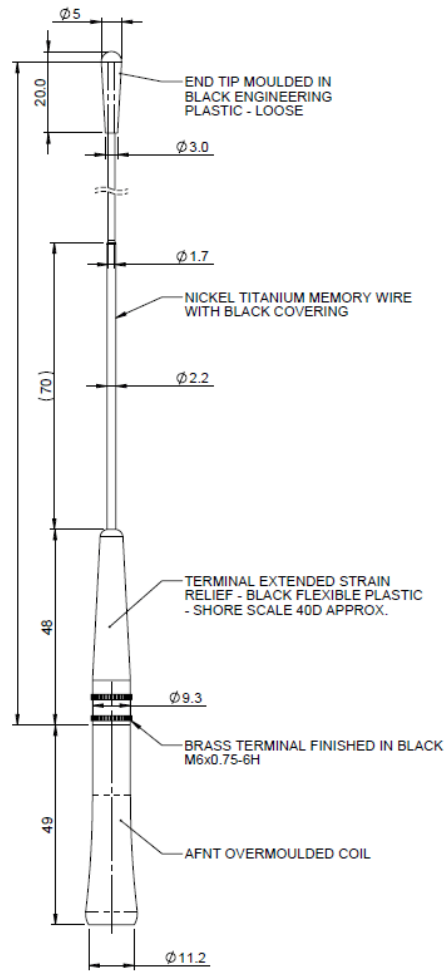


Typical VSWR*



*AFNTGB-395K on a GPSK with 3 x 3ft (1m x 1m) ground plane with 5m(17') of CS23 cable

Technical Specification



| Part Number | | AFNTGB | AFNTGB-395K | AFNTGB-395B | AFNTGB-460 |
|------------------------|----------------------------------|---------------|------------------|--------------|-------------|
| Electrical Data | | | | | |
| Frequency Range (MHz) | | N/A | 380-410 | 380-410 | 450-470 |
| Operational Band | | Uncut | S1+ | S1+ | S4 |
| Peak Gain: Isotropic | | | 5dBi | | |
| Compared to ¼ wave | | | 3dB | | |
| Typical VSWR | | | ≤ 2.5:1 | | |
| Polarisation | | | Vertical | | |
| Pattern | | | Omni-directional | | |
| Impedance | | | 50Ω | | |
| Max Input Power (W) | | | 60 | | |
| Mechanical Data | | | | | |
| Dimensions (mm) | Total Height | 549 (21.6") | 479 (18.85") | 489 (19.25") | 399 (15.7") |
| | Base Diameter | 11.2 (0.4") | | | |
| Operating Temp (°C) | -40° / +80°C (-40° / 176°F) | | | | |
| Material | Nickel Titanium, Polyamide & TPE | | | | |
| Colour | Black | | | | |
| Termination | M6 x 0.75 | | | | |
| Intended Base | GPSK or GPSB | GPSK | GPSB | GPSK or GPSB | |

PANORAMA ANTENNAS

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