

AS-78G-21

LTE/Cellular Gain Whip Antenna

03/02/2017 v.1



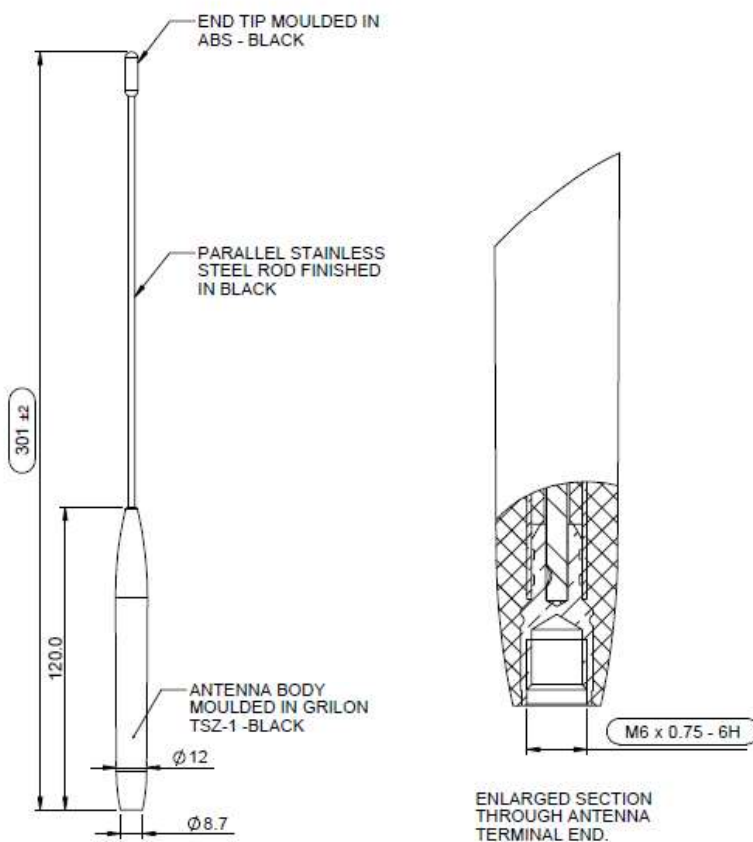
- High gain whip
- Covers 6 major cellular bands including LTE
- Fits a range of Panorama bases

The AS-78G-21 offers 5dBi peak gain at 700MHz, 4dBi peak gain at 800MHz and fallback coverage of 2dBi peak gain across 900/1800/1900 and 2100MHz.

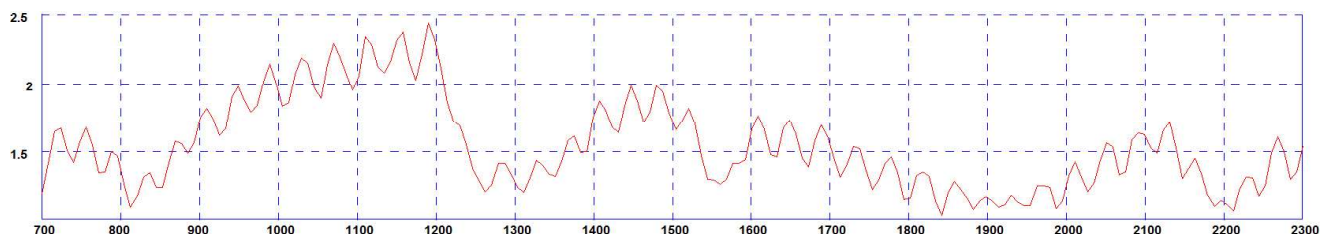
Consisting of a stainless steel whip and robust polyamide moulding the antenna is suitable for a variety of applications.

The AS-78G-21 is compatible with a variety of bases including the EB, MAR, GPSK and GPSB.

Technical Drawing

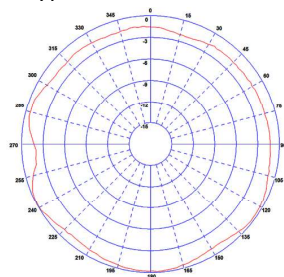


Typical VSWR*

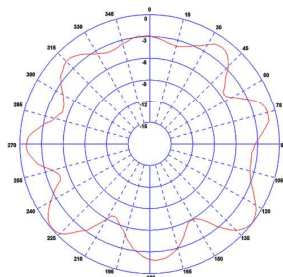


*VSWR measured on MARU base 1x1m groundplane with 2m of RG174 cable

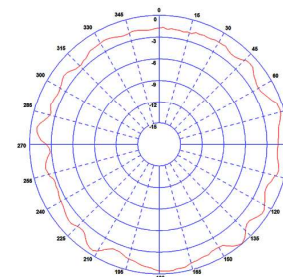
Typical 750MHz H-Plane



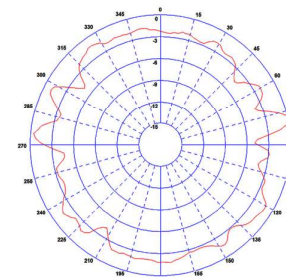
Typical 850MHz H-Plane



Typical 1800MHz H-Plane



Typical 2100 MHz H-Plane



Part No.

AS-78G-21

Electrical Data

| | |
|-----------------------|---|
| Frequency Range (MHz) | 698-960, 1710-2170 |
| Frequency Band | LTE 700, AMPS850, GSM900, GSM1800, PCS1900, AWS & 3G UMTS |
| Peak | 698-800MHz 5dBi |
| Gain: | 801-896MHz 4dBi |
| Isotropic | 896-960/1710-2170MHz 2dBi |
| Polarisation | Vertical |
| Pattern | Omni-directional |
| Impedance | 50Ω |
| Max Input Power (W) | 60 |

Mechanical Data

| | | |
|----------------------|-----------------------------|-------------|
| Dimen- sions (mm) | Whip Length | 301 (11.9") |
| | Diameter | 12 (0.47") |
| Operating Temp (°C) | -30°/+70°C (-22°/158°F) | |
| Material | Polyamide & Stainless Steel | |
| Colour | Black | |
| Mounting | M6x0.75 | |



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

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