

AS-78G-21

LTE/Cellular Gain Whip Antenna

03/02/2017 v.1



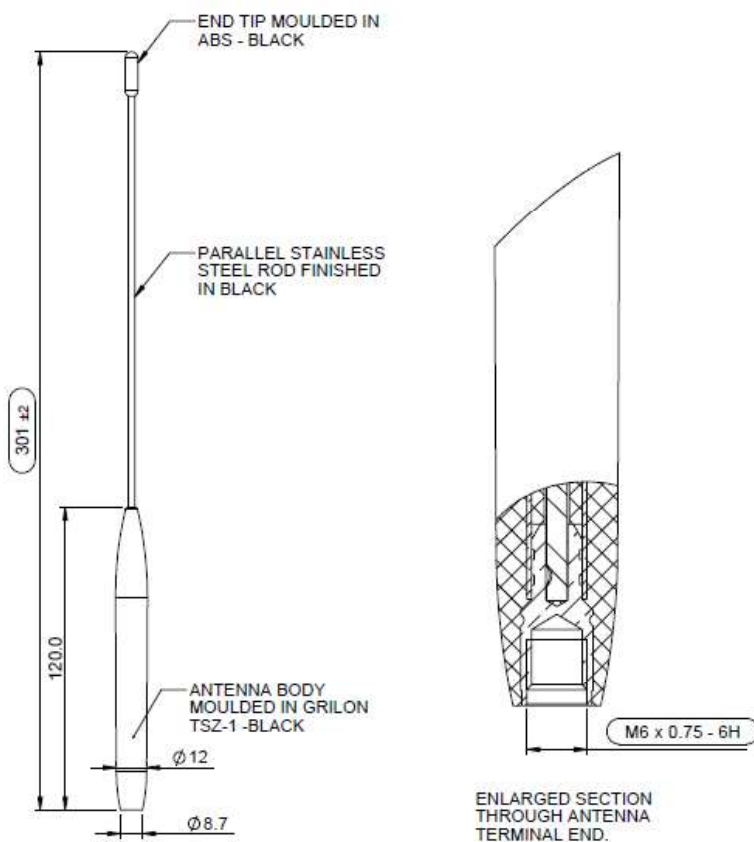
- High gain whip
- Covers 6 major cellular bands including LTE
- Fits a range of Panorama bases

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.

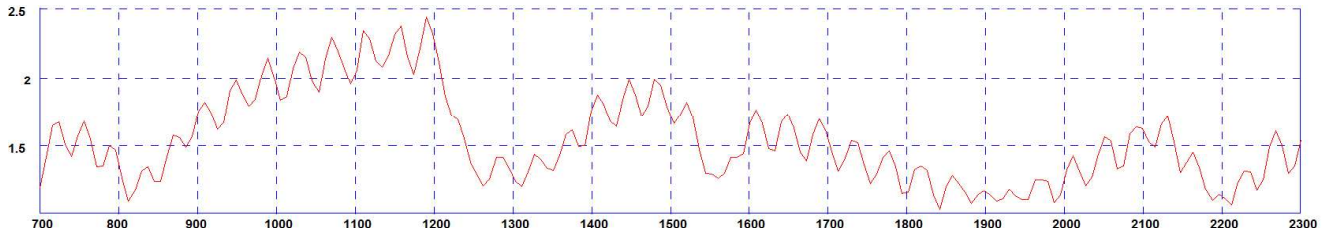
Consisting of a stainless steel whip and robust polyamide moulding the antenna is suitable for a variety of applications.

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

Technical Drawing

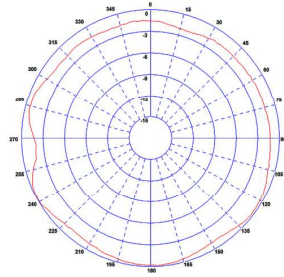


Typical VSWR*

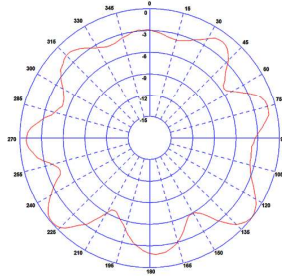


*VSWR measured on MARU base 1x1m groundplane with 2m of RG174 cable

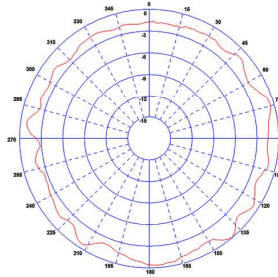
Typical 750MHz H-Plane



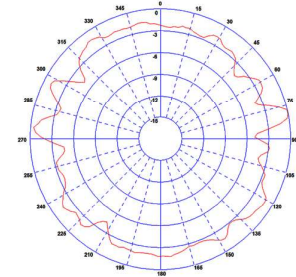
Typical 850MHz H-Plane



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	



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