



M11T-GP & M21T-GP

VHF Low or High band ground-plane whip

VHF 50-70 MHz, Air Band 118-137 MHz or VHF 144-174 MHz



The M11T-GP is suitable for VHF low band communications and the M21T-GP is the ideal solution for Airband or VHF high band applications with the flexibility of field tuning.

The included mounting bracket has the capability of 20-34mm diameter mounting poles.

Filters, multicoupling, coaxial feeder cables, connectors and other installation accessories are all available separately.



M21T-GP fully-assembled with ground plane radials

	M11T-GP	M21T-GP
Construction	Type 17-7PH 304 stainless steel tapered whips, gold passivated base and 304 stainless steel mount bracket	
Frequency range	Low band VHF 55-70 MHz	118-136 MHz - VHF Air Band or 144-174 MHz - VHF high band
VSWR	<1.5:1 at required centre frequency	
Tuning	Field trim to required frequency using a SWR meter or network analyser	
Gain	2.1 dBi	
Maximum power	20 Watts	50 Watts
Impedance - nominal	50 Ohms	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5 dBd	
Connector	N-type female fitted to cable or specify requirements	BNC male fitted to cable or specify requirements
Cable	10 metres RG58 bottom exit from base or specify requirements	
Height before tuning	Height: 1.2m, Width: 2.4m	Whip 650mm, Overall 1.2 metre
Weight	500grams	150grams
Projected area	0.029m ²	0.024m ²
Wind load at 160kph	6.626kg, 0.065kN	5.456kg, 0.053kN
Mounting position	Mount as high on your structure or tower as possible ensuring radial arms are free from obstruction or interference ie other antennas.	
Mounting hardware	Mount using supplied fitted bracket suitable for 20-34mm O/D tube or consult ZCG for custom mounting solutions	
Installation tools required	10mm spanner for mount bracket securing 11mm or 7/16" spanner for OB base top nut securing 15mm or 9/16" spanner for whip securing	



Detachable whips for ease of courier, storage and installation



Cable exit from ground plane base mount



BNC male fitted to M21T-GP as standard or specify requirements



N-type female fitted to M11T-GP as standard or specify requirements



**New
Product**

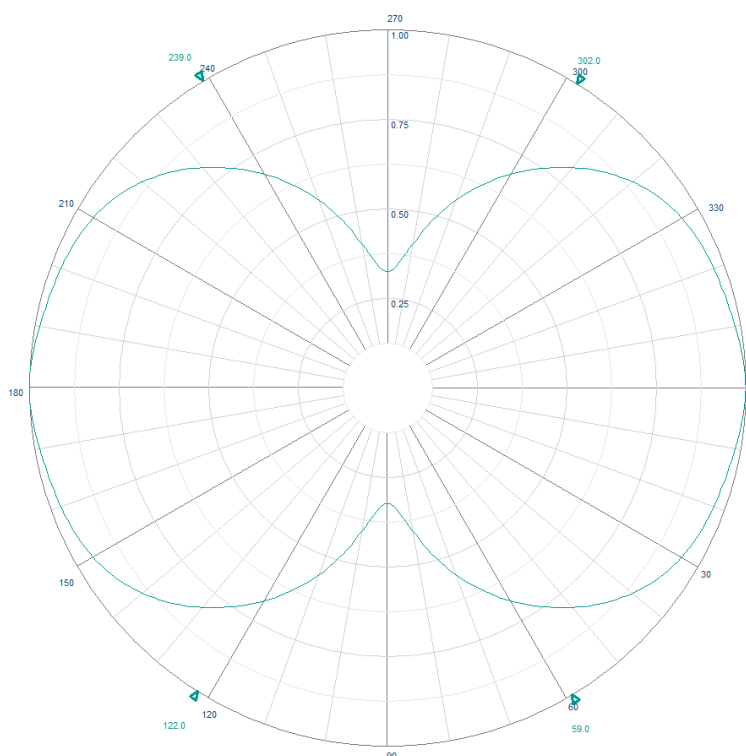
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in
East Gippsland

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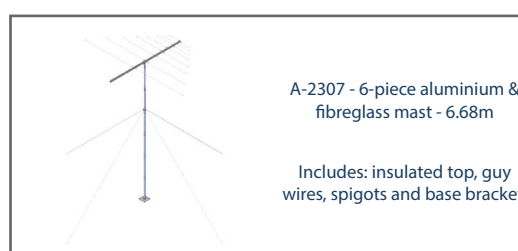
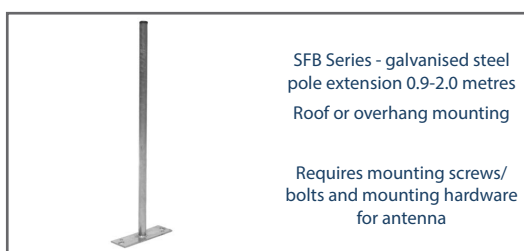
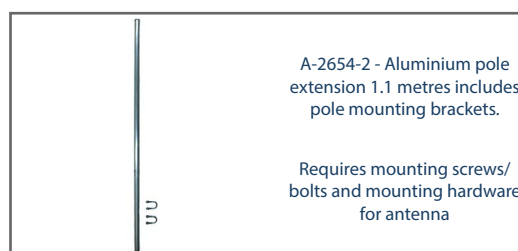
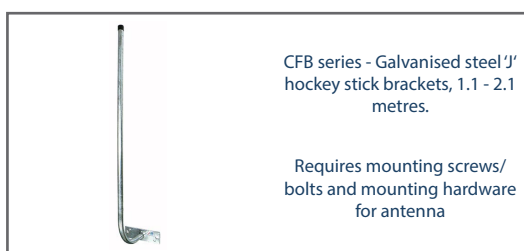
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**Build
To
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Example radiation pattern M21T-GP at 127MHz





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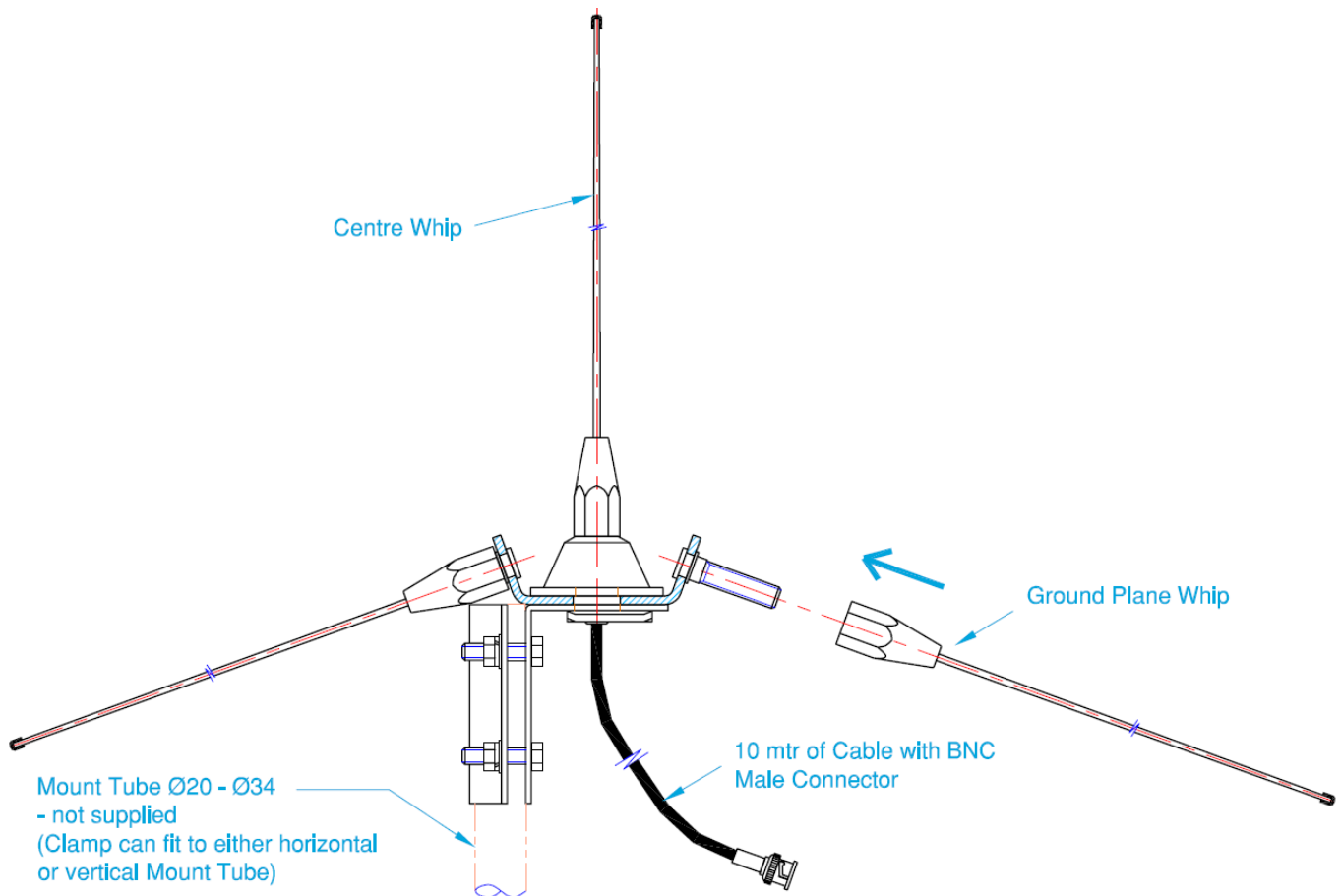
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Assembly Notes:

- All Whip assemblies are supplied at the same length
- Install centre Whip - tighten
- Screw the 4 x Ground Plane Whips onto Base Assembly - tighten
- Mount Antenna to Customer supplied Mount Tube (Ø20 to Ø34 max.)

Tune Notes:

- Antenna is pre-tuned from 118 MHz
- Field trim for higher frequencies - refer to Specification Sheet