



## B55SS

### Stainless steel omni-directional monocone

### VHF Airband 118-137 MHz



Suitable for mounting to towers or structures the B55SS monocone covers the entire Airband 118-137 MHz, making this the ideal base station antenna for Airport to aircraft communications where multiple channels are used. With an omni-directional radiation pattern and integral ground plane, this monocone produces a low angle of radiation making it comparable with centre-fed dipoles

Mounting hardware, coaxial feeder cables, connectors and other installation accessories are all available separately.

Construction	Grey PVC radome and cap, 304 grade stainless steel radials, stainless steel tag wire and mount section with external cable
Frequency range	118-137 MHz - VHF Air Band
Bandwidth	Full frequency range stated - 19 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	0 dBd - unity
Maximum power	500 Watts
Impedance - nominal	50 Ohms
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd
E Plane - vertical	65°
Cable & connector	N-type female fitted to 1.0 metre RG213 - bottom exit
Height	1.54 metres
Weight	4.6kg
Projected area	0.143m <sup>2</sup>
Wind load at 220kph	18.04kg, 0.177kN - Updated load rating wind speed
Mount section	38.1mm x 300mm - 304 stainless steel
Mounting hardware order separate	Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS Wall/side mount: 2 x NSM-218
Operating temperature	-35°C ~ +70°C
Relative humidity	55 ~ 75%
Installation tools required	Tommy bar included for radial securing Allen key for radial grub screw securing



N-type female fitted to external MIL-SPEC RG213 as standard or specify requirements

#### Other models available

B55SS-716	7/16" DIN female, 2kW
B55AL	light-weight field tuneable version, 200W

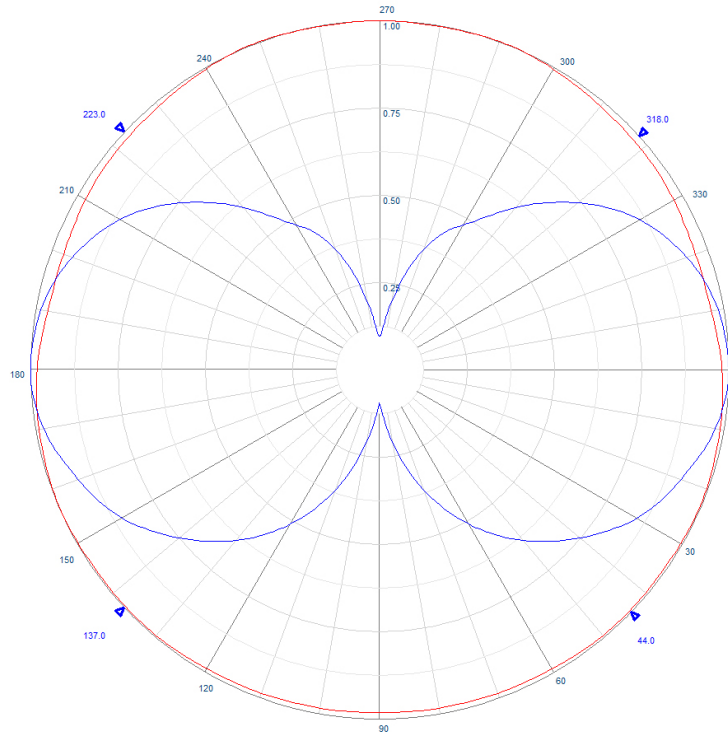


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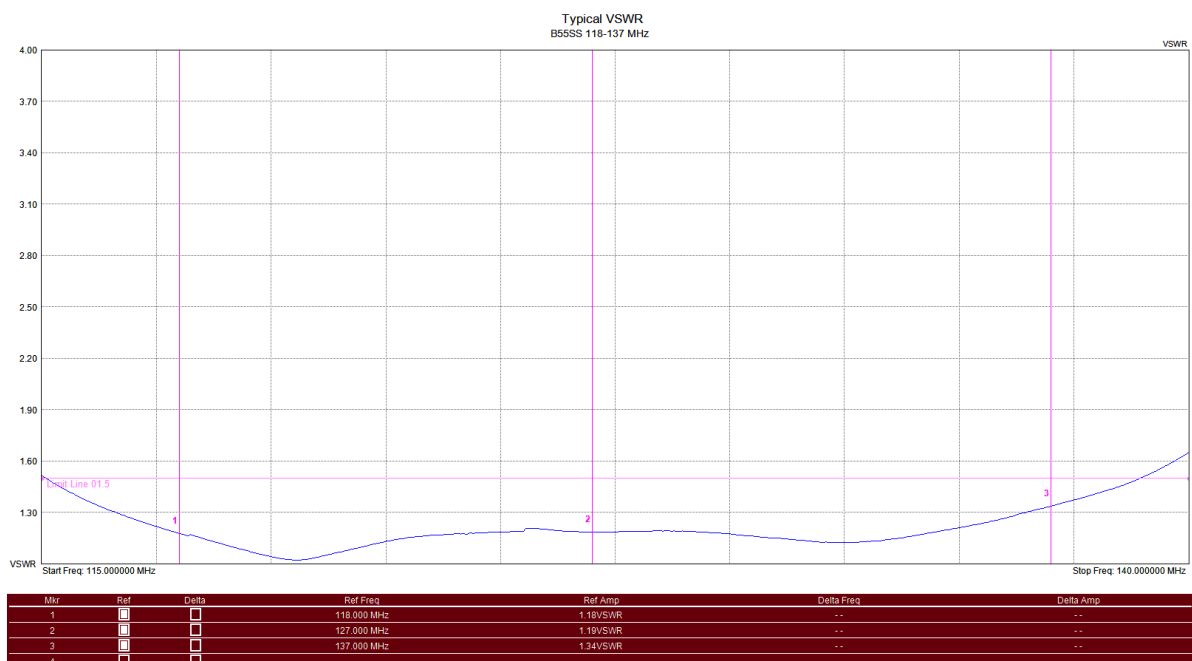
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In-stock  
Ready to  
Ship

  
Australian  
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in  
East Gippsland



Example radiation pattern



Typical VSWR



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#### Suitable mounting hardware

 <p>CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>	 <p>SFB Series - galvanised steel pole extension 0.9-2.0 metres Roof or overhang mounting</p> <p>Requires mounting screws/ bolts and mounting hardware for antenna</p>
 <p>EB1-SS - requires 2 304 stainless steel parallel clamp</p> <p>Boom: 20-40mm capability Mount pole: 25-45mm capability</p>	 <p>UB3-SS 304 stainless steel parallel clamp</p> <p>Boom: 20-32mm capability Mount pole: 20-50mm capability</p>
 <p>UB2-SS 304 stainless steel right-angle clamp</p> <p>Boom: 20-50mm capability Mount pole: 20-50mm capability</p>	 <p>RB8 Galvanised steel right-angle clamp</p> <p>Boom: 20-50mm capability Mount pole: 20-50mm capability</p>
 <p>NSM-218 Toughened nylon wall/side mount</p> <p>Boom: 38mm Mount hole: 16mm</p>	

#### Suitable feeder coaxial cable and connectors

 <p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (™ times microwave)</p> <p>P/N 7890</p> <p>Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU400 low loss, solid conductor</p> <p>P/N 8226</p> <p>Tri-metal plated</p>
 <p>1/2" corrugated shielding, foam dielectric coaxial cable P/N ZCG1250</p> <p>Also available in super flexible</p> <p>Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable</p> <p>P/N NM1250</p> <p>Tri-metal plated</p>

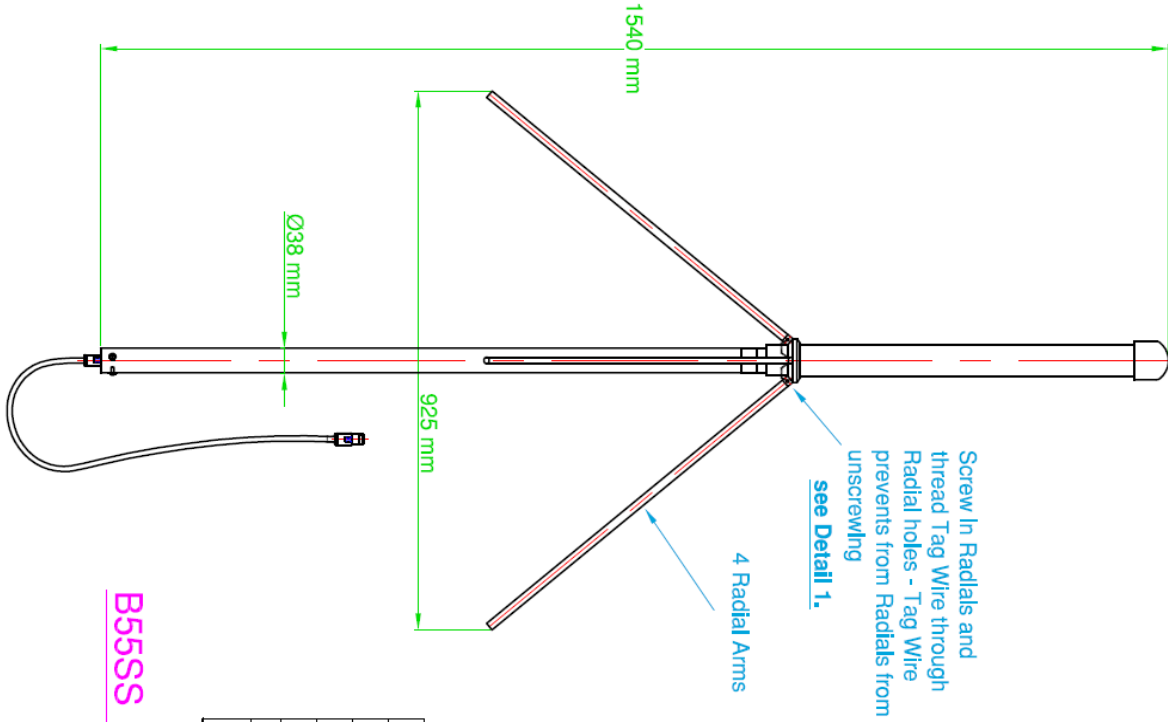


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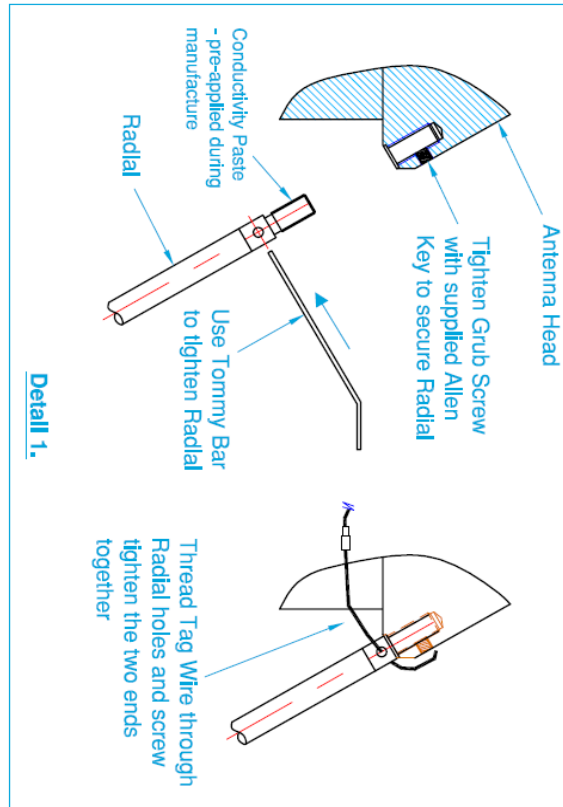
  
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### B55SS ANTENNA

Description	Qty.
Tag Wire	1
Allen Key for tightening Grub Screws	1
Steel Tommy Bar for tightening Radials	1
Radial Tube Assemblies	4
B55SS Antenna Assembly	1

#### PARTS SUPPLIED:



NC