



AB-BFB-118

Ground independent field tunable whip and fibreglass antenna VHF Airband 118-137 MHz



The AB-BFB-118 is specifically designed and manufactured for Air Band 118-137 MHz with the purpose to be field tuned to required frequency. The AB-BFB-118 is a cost effective solution for low power airband fixed position applications.

Mouting hardware, patch leads, adaptors, connectors and other installation accessories are all available separately.

Construction	304 stainless steel whip, white parallel fibreglass support, grey PVC mount ferrule and external termination
Frequency range	118-137 MHz - VHF Air band
Bandwidth	Field tune to any 3% within band
Tuning	Field tune the stainless steel whip using a SWR meter
VSWR	<1.5:1 across bandwidth
Gain	2.1 dBi
Maximum power	100 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional ± 0.5 dBd
Connector	N-type female in side of ferrule - no cable
Height	1.1 metres
Weight	350grams
Mounting hardware order separate	Any bracket with 12.7mm hole such as GM1, GM2, GM6 or A-6211 Alternative: A-1269 barrel or A-1270 parallel heavy-duty springs or MGB magnetic 105mm diameter base
Mounting position recommended	Mount as high on your vehicle or structure as possible with an appropriate hole or bracket to ensure a true omni-directional pattern.
Installation tools required	21mm or 13/16" spanner for base securing 2.5mm hex allen key for top whip securing Self-amalgamating butyl rubber tape and uPVC electrical tape for termination sealing.



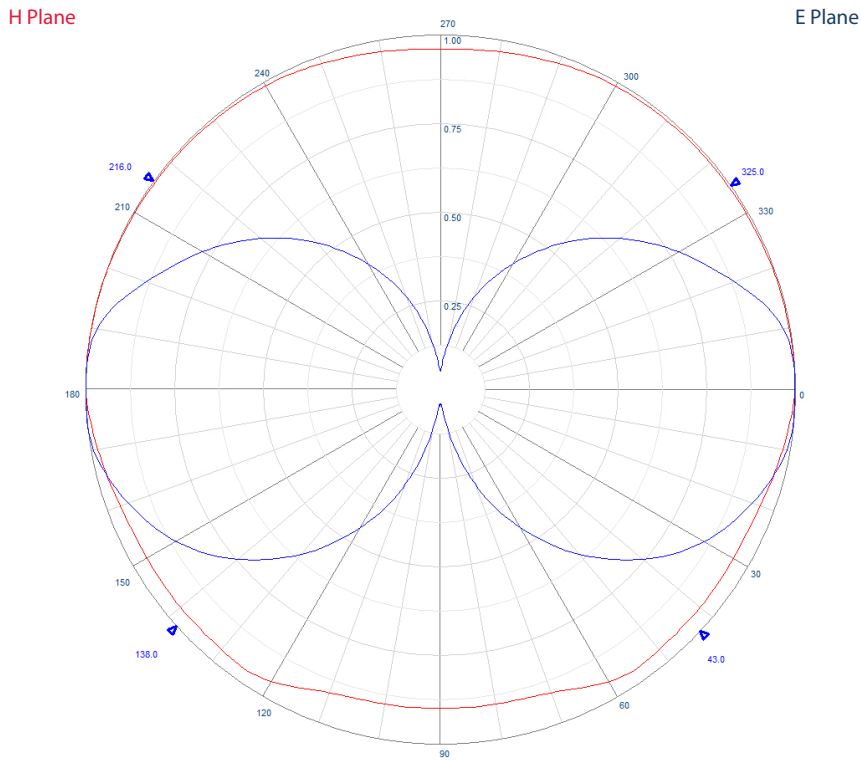
Tune whip by removing securing grub screw.

N-type female in side of mount ferrule

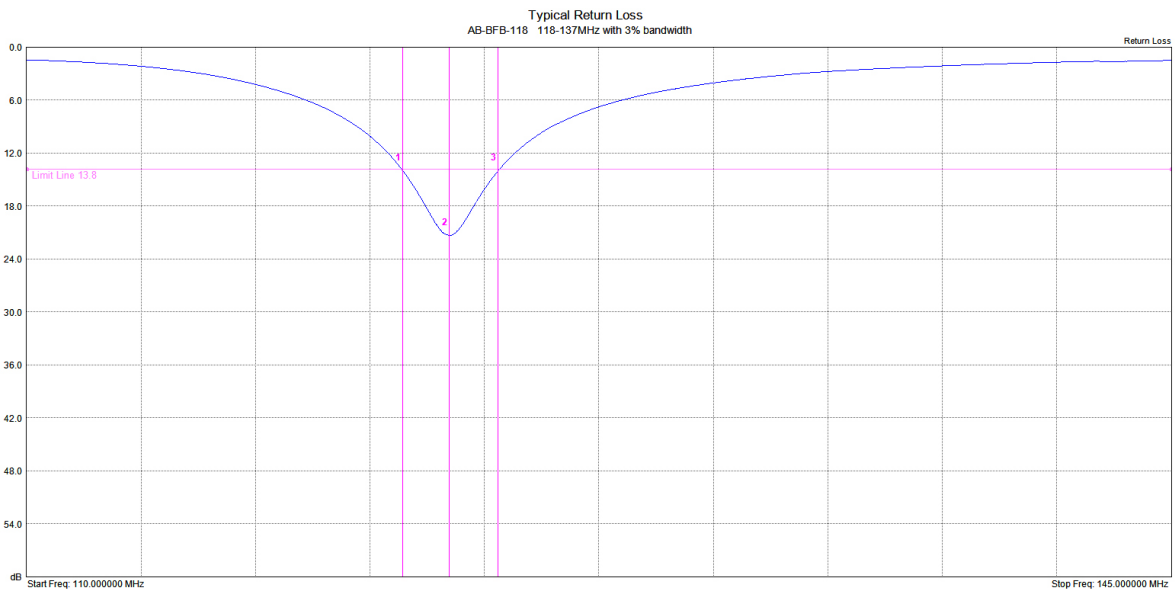


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Example radiation pattern



Mix	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	121.504 MHz	13.99 dB	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	122.924 MHz	21.33 dB	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	124.415 MHz	14.02 dB	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss - once tuned




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SKU: A-4266
Clear anodised aluminium mast mount adaptor

Requires 2 x EB1-SS, 1 x UB3-SS or 2 x RB8 or 1 x UB2-SS
Can be used with CFB series or A-2654-2



SKU: GM1
304 stainless steel 'L' fascia mount bracket

16mm hole
Requires mounting screws/ bolts - not supplied



SKU: A-6211
304 stainless steel 'L' fascia mount bracket

16mm hole, 200mm offset
Requires mounting screws/ bolts - not supplied



SKU: MGB
Powdercoated black internal magnet mount base

16mm hole
105mm diameter
includes scratch reduction pad on base



SKU: CFB** series**
Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



NBS Anodised aluminium telescopic masts

2 to 6 sections
3-16 metre extended
Quick-install mounts available
[Contact us for more info.](#)



Alternate Spring base
SKU: A-1269-14
'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting
Requires 19mm spanner



Alternate Spring base
SKU: A-1269-12
'Barrel' stainless steel spring base with threaded stud and split nut
Requires 19mm spanner

Suitable coaxial cable and connectors



SKU: 7839
MIL-SPEC RG58 low loss, solid copper conductor, foam PE dielectric coaxial cable

Available in 100m, 300m roll or alternatively request a custom cable assembly



SKU: NM-7933-3
N-type male crimp connector for RG58 coaxial cable

Tri-metal plated



SKU: 7876-2
RU240-UF low loss, ultra flexible, stranded core, solid PE dielectric coaxial cable

LMR240-UF equivalent - Times Microwave
Available in per metre, 500m roll or alternatively request a custom cable assembly



SKU: NM-7987
N-type male crimp connector for RU240-UF ultra flexible, stranded core coaxial cable

Nickel plated