

Air Band dipole stack arrays

Air Band 118-137MHz

These 2 stack and 4 stack dipole arrays cover the full Air band frequency range 118-137MHz.

There are various methods of mounting these dipole stack arrays to a mast or tower. Please consult ZCG for advice about the best solution for your mounting arrangement.

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

Specifications	S2B42-1C	S4B42-1C
Construction	Aluminium or add SS for 304 grade stainless steel	
Dipoles in array	2	4
Frequency	Air band 118-137MHz	
Bandwidth	Full band	
Return loss, VSWR	<1.5:1 across full band	
Tuning	Factory	Factory
Gain	4.5 dBd	7.5 dBd
Maximum power	250 Watts	250 Watts
Impedance - nominal	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Vertical	Vertical
H Plane	240°	240°
E Plane	33°	16°
Connector	N-type female in base of mount section	
Mount tube	3.0m x 50mm	7.0m x 50mm
Weight	18.0kg in aluminium 30.0kg in stainless steel	30.0kg in aluminium 50.0kg in stainless steel
Projected area	0.27m ²	0.41m ²
Wind load at 160kph	24.0kg	48.0kg
Mounting hardware (order separate)	2 x UAM180L - top and bottom, or consult ZCG	3 x UAM180L - top, middle and bottom, or consult ZCG.

