Australian manufactured in East Gippsland

S4B205-1C-X series

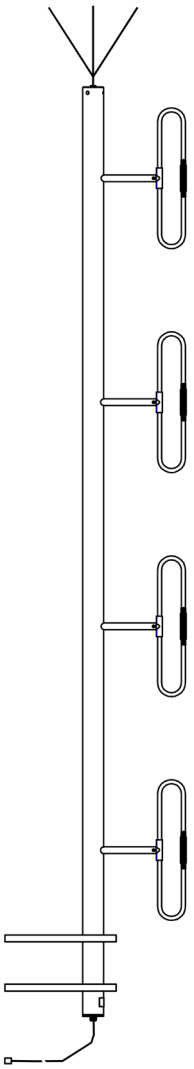
Broadband VHF 4 dipole low P.I.M. stack array, single cable

VHF/DAB Radio 205 MHz or specify 10 MHz with 174-230 MHz

Build To Order

The S4B205-1C-X 4-stack VHF or DAB Radio dipole array is designed for VHF or DAB Radio at the VHF 205 MHz frequency range. Alternatively the dipole array can be custom tuned to a specific 10 MHz bandwidth within 174-230 MHz. ZCG can supply various solutions for mounting the dipole stack array to a mast or tower.

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



Construction	Welded corrosion resistant aluminium boom and dipoles, top mount lightning finnial, external coaxial cable and termination
Dipoles in array	4
Frequency range	VHF 205 MHz
Bandwidth	Set frequency or specify 10 MHz with VHF 174-230 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	7 dBd
Maximum power	250 Watts
Impedance - nominal	50 Ohms
Passive IM 3rd order (2x20w)	< -120dBc
DC grounding	Yes
Polarisation	Vertical
H Plane	185°
E Plane	16°
Connector	N-type female fitted to coaxial cable, or specify termination requirements
Cable	MIL-SPEC RG213 cable bottom exit from antenna through water sealing cable gland
Height at 205MHz	Antenna only: 4.6m, dimensions will alter at alternate frequencies Finnial: 300mm out of top of antenna
Mount section	Diameter: 48.4mm x 600mm
Weight	20kg
Projected area	0.220m^2
Wind load at 160kph	26.635kg, 0.261kN
Mounting hardware order separate	Parallel: 2 x UAM180L, UAM180UNI or UAM180UNIL Right-angle: 2 x UAM90L, UAM90UNI or UAM90LL

Coaxial cable exit from base through sealed cable gland

N-type female fitted as standard or specify

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www.zcg.com.au

1 Year Manufacturers Warranty
Terms & Conditions apply.

Updated 22nd September 2023

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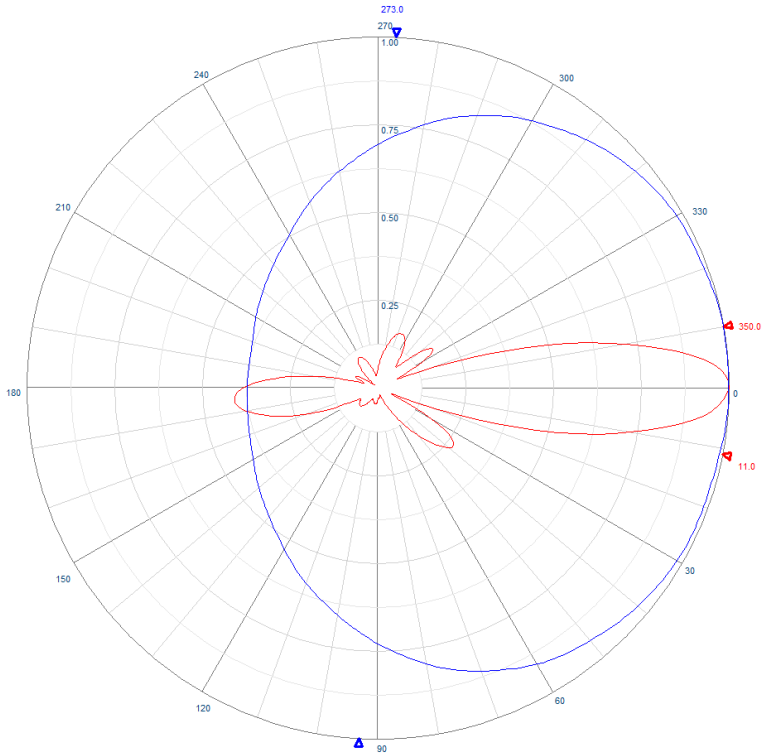
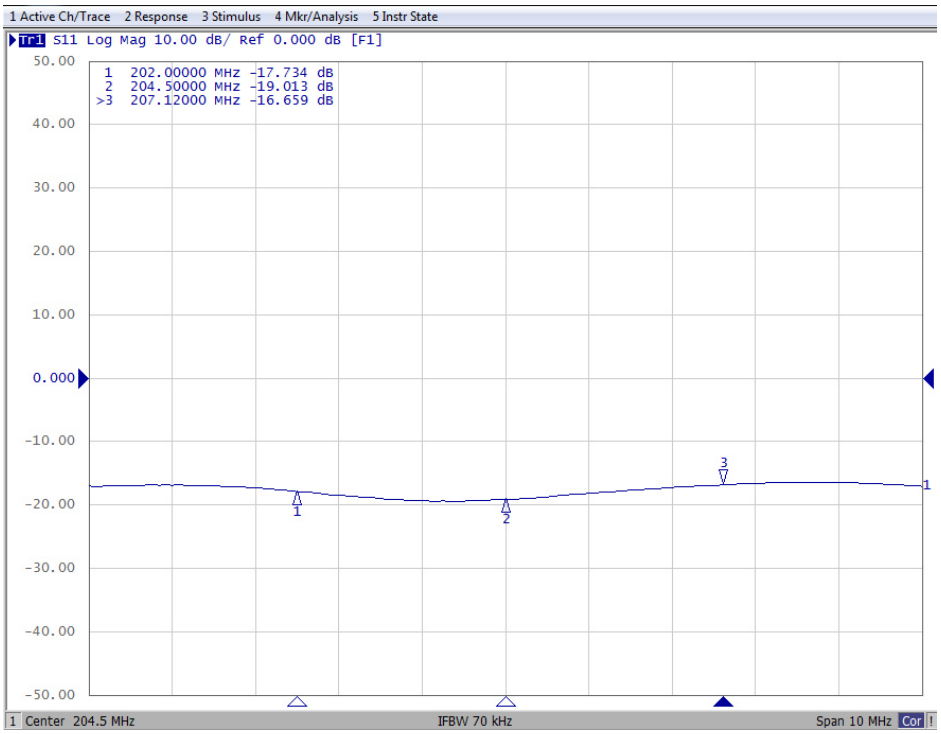


Example radiation pattern



Typical Return Loss

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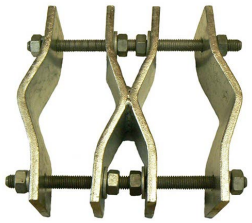
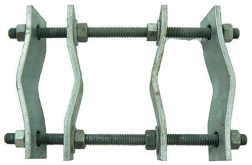
Build To Order

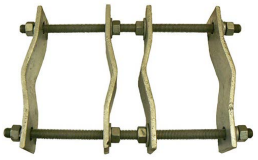
Suitable mounting hardware



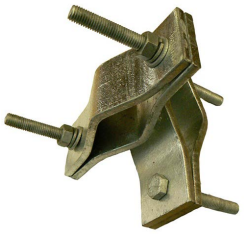
SKU: UAM180L
2 units recommended
Galvanised steel parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



SKU: UAM180UNI
2 units recommended
Galvanised steel large parallel clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability



SKU: UAM180UNIL
2 units recommended
Galvanised steel extra large parallel clamp
Boom: 40-90mm capability
Mount pole: 60-115mm capability

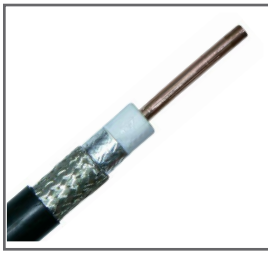


SKU: UAM90L
2 units recommended
Galvanised steel right-angle clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability

SKU: UAM90UNI
2 units recommended
Galvanised steel large right-angle clamp
Boom: 40-70mm capability
Mount pole: 40-90mm capability

SKU: UAM90LL
2 units recommended
Galvanised steel extra large right-angle clamp
Boom: 60-115mm capability
Mount pole: 60-115mm capability

Suitable feeder coaxial cable



SKU: 7890-3
RU600 low loss, solid copper core, foam dielectric cable

Available in 500m roll or alternatively request a custom cable assembly

SKU: NM-8226-2
N-type male solder pin crimp connector for RU600 coaxial cable

Tri-metal plated - Low P.I.M.

SKU: ZCG1250
1/2" corrugated shielding, foam dielectric coaxial cable
SKU: ZCG1250-A - Air Dielectric
Available in per metre (excl. Air) or 500m rolls or alternatively request a custom cable assembly

SKU: NM1250
N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable

Tri-metal plated - Low P.I.M.

SKU: ZCG7850
7/8" corrugated shielding, foam dielectric coaxial cable
SKU: ZCG7850-A - Air Dielectric
Available in per metre, 500m roll or alternatively request a custom cable assembly

SKU: NM7850
N-type male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable

Tri-metal plated