



S4B205-1CSS-X series

Broadband VHF 4 dipole stack array

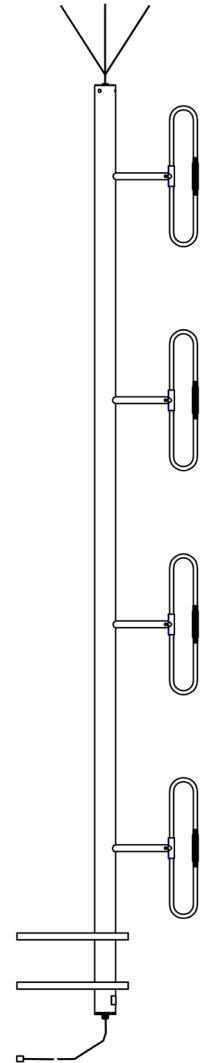
VHF/DAB Radio 205 MHz or specify 10 MHz with 174-230 MHz



The S4B205-1CSS-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. There are various methods of mounting these dipole stack arrays to a mast or tower.

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

Construction	Fully welded 304 grade stainless steel boom and dipoles and top mount lightning finial
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
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
Weight	32kg
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

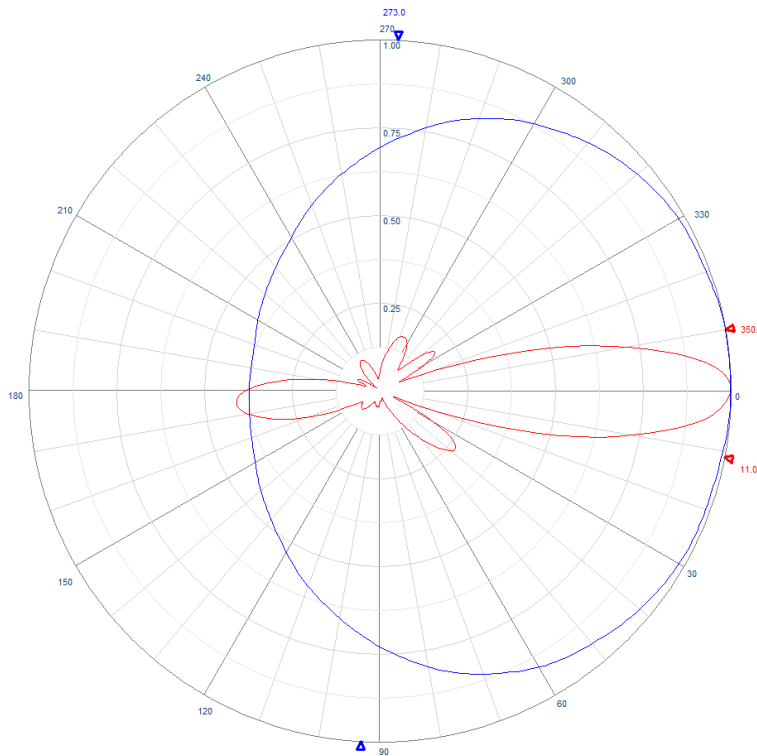


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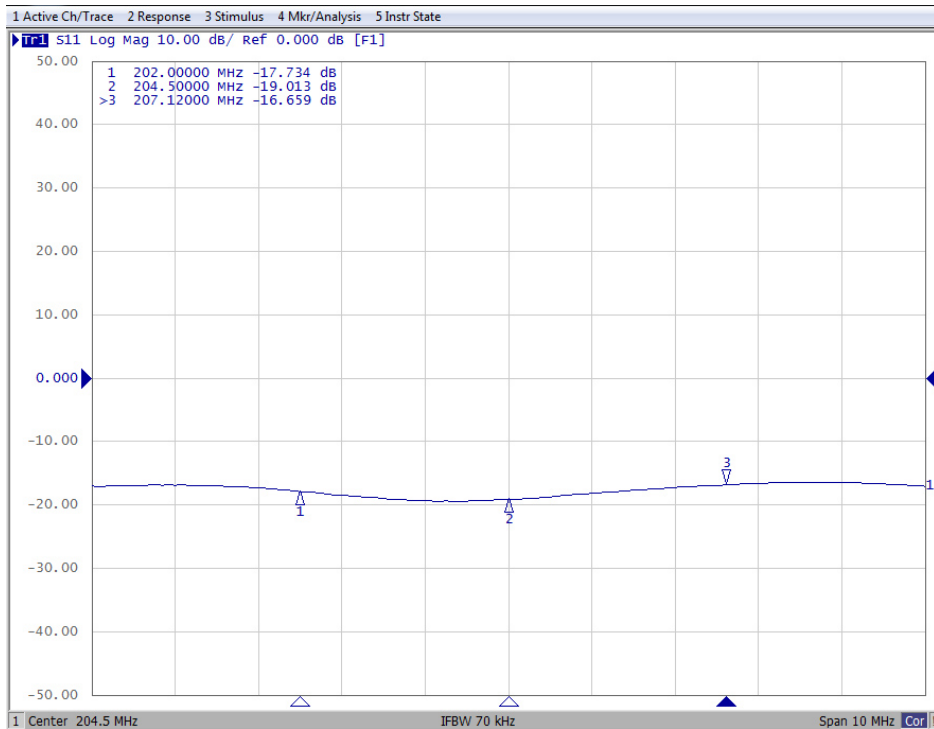
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Example radiation pattern



Typical Return Loss



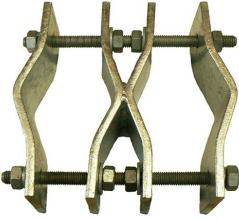
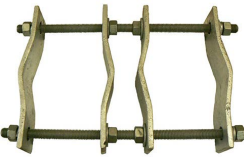
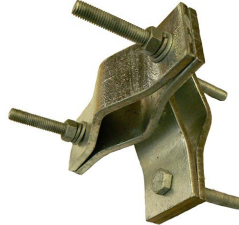


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Suitable mounting hardware

	<p>SKU: UAM180L <u>2 units recommended</u> Galvanised steel parallel clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>		<p>SKU: UAM180UNI <u>2 units recommended</u> Galvanised steel large parallel clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>
	<p>SKU: UAM180UNIL <u>2 units recommended</u> Galvanised steel extra large parallel clamp Boom: 40-90mm capability Mount pole: 60-115mm capability</p>		<p>SKU: UAM90L <u>2 units recommended</u> Galvanised steel right-angle clamp Boom: 40-75mm capability Mount pole: 40-75mm capability</p>
	<p>SKU: UAM90UNI <u>2 units recommended</u> Galvanised steel large right-angle clamp Boom: 40-70mm capability Mount pole: 40-90mm capability</p>		<p>SKU: UAM90LL <u>2 units recommended</u> Galvanised steel extra large right-angle clamp Boom: 60-115mm capability Mount pole: 60-115mm capability</p>

Suitable feeder coaxial cable

	<p>SKU: 7890-3 RU600 low loss, solid copper core, foam dielectric cable Available in 500m roll or alternatively request a custom cable assembly</p>		<p>SKU: NM-8226-2 N-type male solder pin crimp connector for RU600 coaxial cable Tri-metal plated - Low P.I.M.</p>
	<p>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</p>		<p>SKU: NM1250 N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable Tri-metal plated - Low P.I.M.</p>
	<p>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</p>		<p>SKU: NM7850 N-type male clamp connector for 7/8" flexible, corrugated shielded, coaxial cable Tri-metal plated</p>