



## S2B44-X & S4B44-X

2 or 4-stack multi-termination broadband dipole array

TE.T.RA / L.M.R. / C.B.R.S. / UHF 400-520 MHz



The S2B44-X and S4B44-X UHF dipole stack arrays comes in a 2 or 4-stack individual dipole configuration allowing for multiple receive and/or transmit capabilities.

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

SKU	S2B44-X	S4B44-X
Construction	Corrosion resistant aluminium boom, dipoles and RG58 MIL-SPEC	
Dipoles & cables	2	4
Frequency range	400-520 MHz - UHF, TETRA, LMR & GRN compatible	
Bandwidth	Full frequency range stated - 120 MHz	
VSWR	<1.5:1	
Tuning	Factory	
Gain	0 dBd per dipole	
Maximum power	250 Watts	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
Isolation between dipoles	30dB	
H Plane	360° omnidirectional ± 3dB - per dipole	
E Plane	72°	
Cable	2 external 200mm MIL-SPEC RG58A/U cables	4 external 200mm MIL-SPEC RG58A/U cables
Connector	N-type female fitted to cable as standard or specify requirements for each cable	
Boom dimensions	2.0m x 48.4mm	3.4m x 48.4mm
Weight	6.0kg	10.0kg
Projected area	0.081m <sup>2</sup>	0.158m <sup>2</sup>
Wind load at 160kph	9.86kg, 0.97kN	19.169kg, 0.188kN
Mounting hardware order separate	Parallel: 2 x UAM180L or UAM180UNI Right-angle: 2 x UAM90L or UAM90UNI	

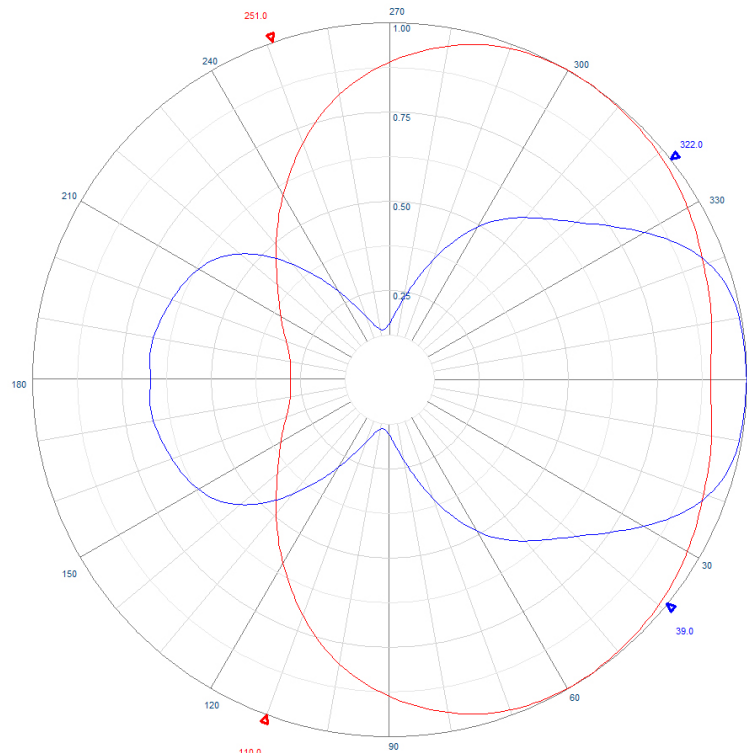




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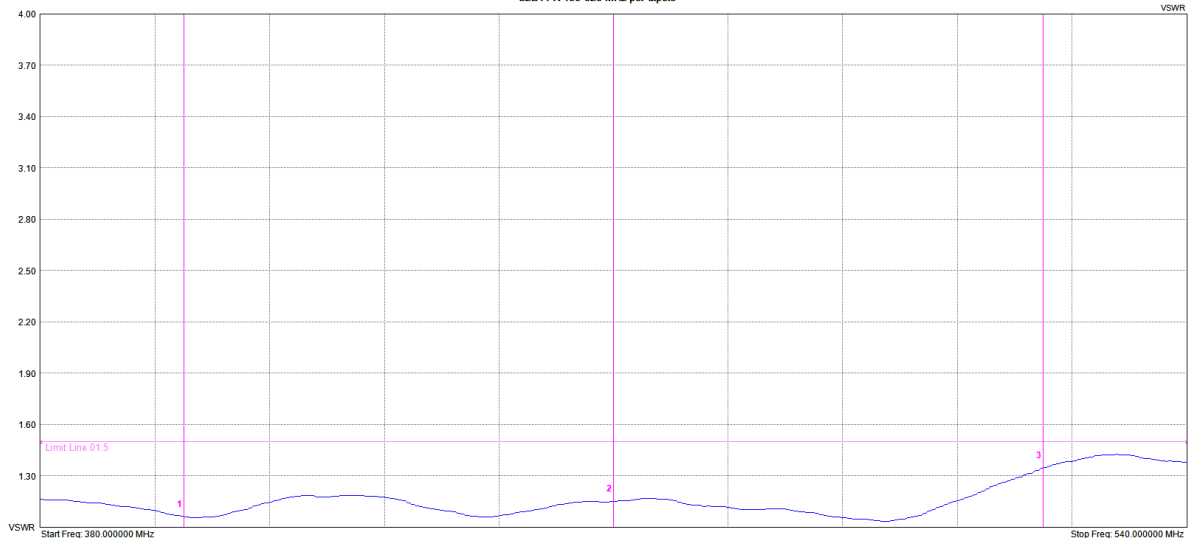
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Example radiation pattern - per dipole

Typical VSWR  
S2B44-X 400-520 MHz per dipole



Mir	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	400 000 MHz	1.06VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	460 000 MHz	1.15VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	520 000 MHz	1.34VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR - single dipole



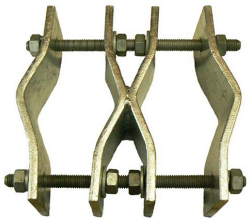
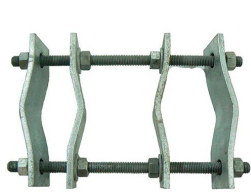
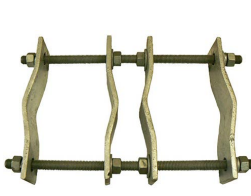
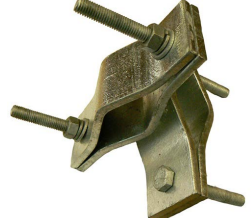

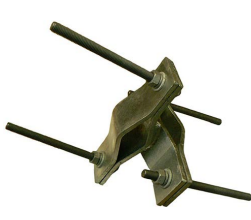
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### Suitable mounting hardware

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

### Suitable feeder coaxial cable & connectors

 <p><b>SKU: 7890</b> RU400 low loss, solid copper core, foam dielectric cable <b>SKU: 7890-2 RU400-UF Ultra flex.</b> Available in 100m, 300m or 500m (UF only) roll or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM-8226</b> N-type male solder pin crimp connector for RU400 / RU400-UF coaxial cable Tri-metal plated</p>
 <p><b>SKU: 7890-3</b> RU600 low loss, solid copper core, foam dielectric cable Available in 500m roll or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM-8226-2</b> N-type male solder pin crimp connector for RU600 coaxial cable Tri-metal plated</p>
 <p><b>SKU: ZCG1250</b> 1/2" corrugated shielding, foam dielectric coaxial cable <b>Air dielectric. SKU: ZCG1250-A</b> <b>Helical super flex. SKU: ZCG1250SF</b> Available in per metre (excl. Air) or 500m rolls or alternatively request a custom cable assembly</p>	 <p><b>SKU: NM1250</b> N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable <b>Super flex. SKU: NM1250SF</b> Tri-metal plated</p>