

S2B88-1CPH

2-Stack internally phased vertical UHF dipole array antenna

UHF 800-960 MHz

The S2B88-1CPH dual dipole stacked array is suitable for all applications within the 800-960 MHz frequency range. If a power rating higher than 250 Watts is required, please contact ZCG for advice.

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

Construction	Welded corrosion resistant aluminium boom, dipoles, internal phasing harness with external cable and termination
Frequency range	800-960 MHz - UHF or lower 4G cellular
Bandwidth	Specify any 80 MHz when ordering
VSWR	<1.5:1
Tuning	Factory
Gain	4.5 dBd
Maximum power	250 Watts
Impedance - nominal	50 Ohms
DC grounding	Yes
Polarisation	Vertical only
Front-to-back	11.3dB
H Plane	154°
E Plane	29°
Connector	N-type female fitted as standard, or specify termination requirements
Cable	1.0m RG213 coaxial cable, bottom exit through cable sealant gland or specify length requirements
Weight	5.0kg
Wind load at 175kph	0.429kN, 43.773kg
Dimensions	Height: 1.5m, Depth: 171mm
Mount section	750mm x 48.4mm diameter
Mounting hardware order separate	Parallel: 2 x UAM180L or UAM180UNI Right-angle: 2 x UAM90L or UAM90UNI
Alternate models	<u>S2B88-1CPH-RA</u> - 90° detachable rear screen model, 12dBd



RG213 exit from base through cable sealing gland.



N-type female fitted as standard or specify requirements

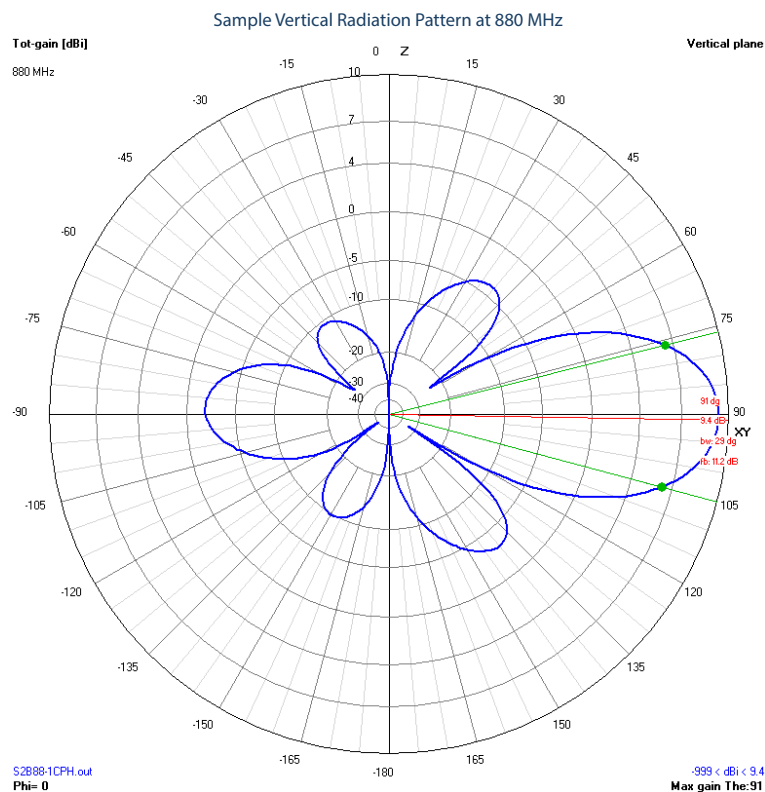
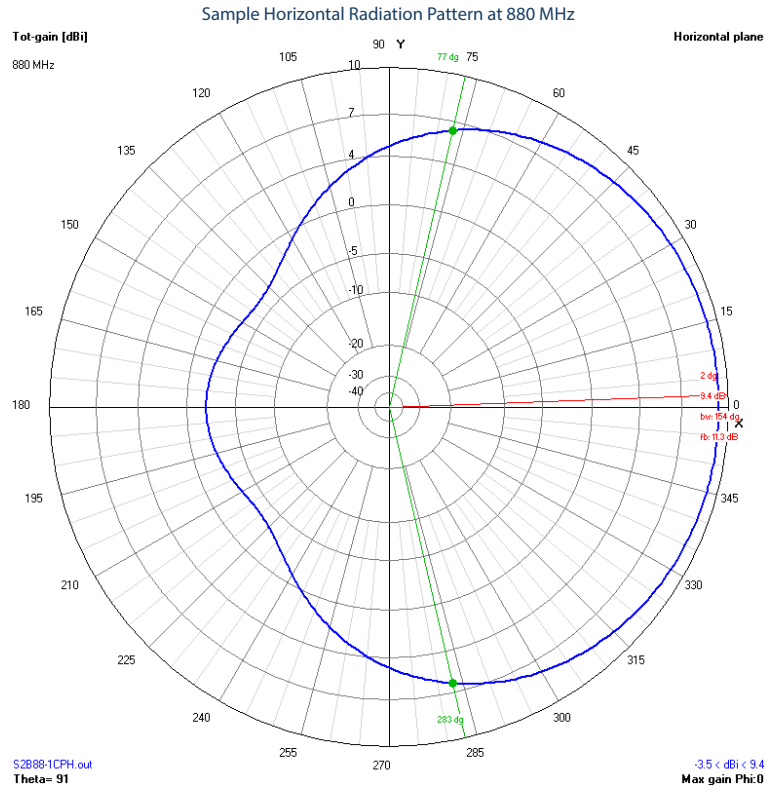
Sample radiation patterns on following page.



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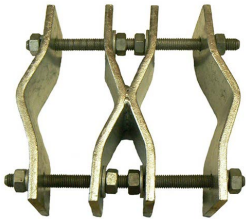


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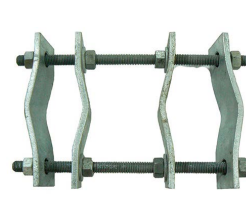
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Suitable mounting hardware



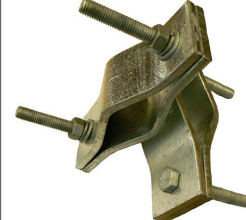
SKU: UAM180L
2 units recommended
Galvanised steel parallel clamp
Boom: 40-75mm capability
Mount pole: 40-75mm capability



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: 7890-2
RU600 Solid copper conductor, low loss coaxial cable
CNT-600 / LMR-600™ equivalent
(™ times microwave)
Available in 500m roll or alternatively request a custom cable assembly



SKU: NM-8226-2
N-type male crimp connector for RU600 low loss, solid conductor
Tri-metal plated



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



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