



CL3642 Series

Omni-directional mast mount coaxial dipoles

VHF 35-42 MHz

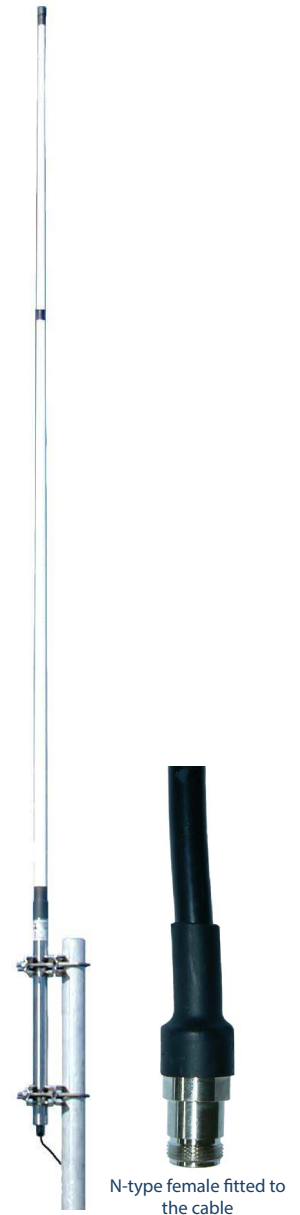


Manufactured to full commercial standard, these omnidirectional fixed position coaxial dipoles have a customer specified 1% bandwidth within the VHF frequency range 35-42 MHz.

The CL3642R is an even more robust model with a thicker “ruggedised” radome and larger stainless steel mount tube, purpose built to survive the most extreme weather conditions.

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

SKU	CL3642	CL3642R
Construction	White fibreglass radome and 304 stainless steel mount section	White ruggedised fibreglass radome and thick walled 304 stainless steel mount section
Frequency range	35-42 MHz - VHF	
Maximum bandwidth	Specify 1% bandwidth or transmit and receive - on order	
VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	
Gain	0 dBd - unity	
Maximum power	50 Watts	
Impedance - nominal	50 Ohms	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omnidirectional, ± 0.5dB	
Cable	1.0 metre RG213 - bottom exits from mount section	
Connector	N-type female fitted to as standard or specify requirements	
Height	5.0 metres	
Weight	4.0kg	6.5kg
Projected area	0.112m ²	0.146m ²
Wind load at 160kph	0.133kN ; 13.622kg	0.173kN ; 17.642kg
Mount section	500mm x 31.75mmø	595mm x 50.8mmø
Mounting hardware order separate	2 x UAM180L parallel 2 x UAM90L right-angle 2 x NSM-CL3642	2 x UAM180L parallel 2 x UAM90L right-angle



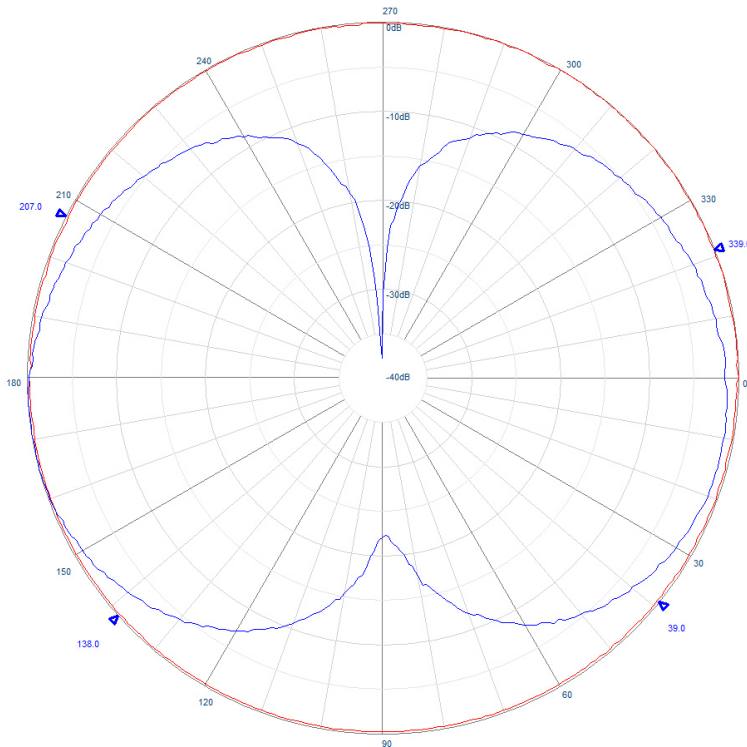
N-type female fitted to the cable



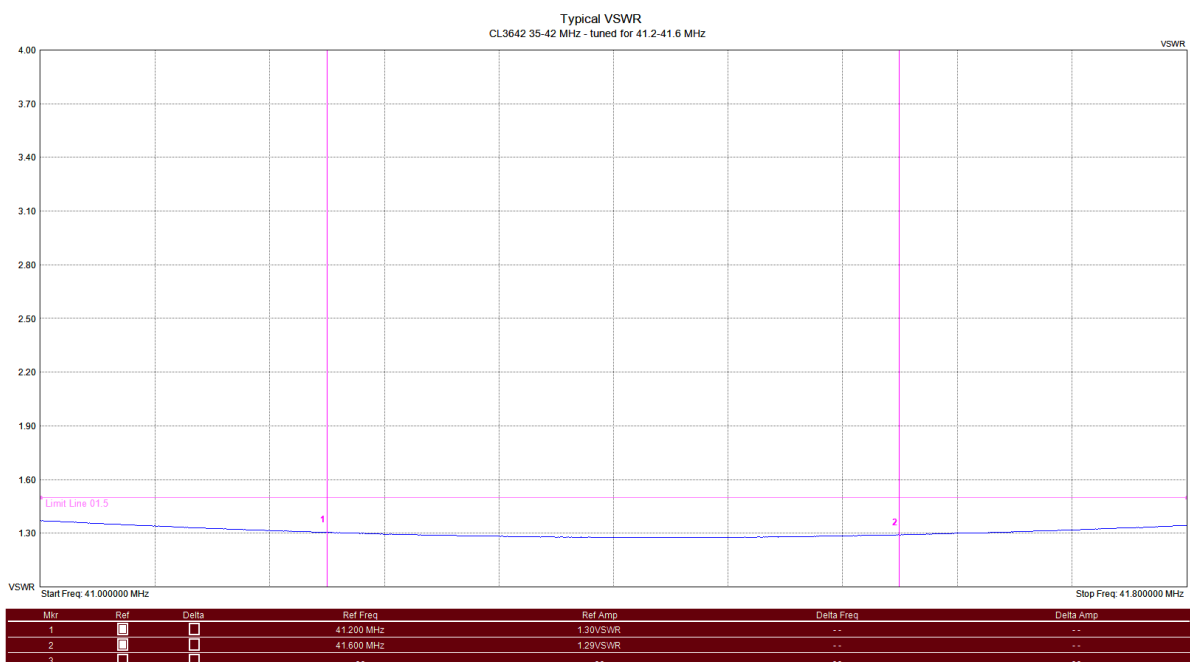
CL3642 Series

Omni-directional mast mount coaxial dipoles

VHF 35-42 MHz



Example radiation pattern



Typical VSWR



CL3642 Series

Omni-directional mast mount coaxial dipoles

VHF 35-42 MHz



Suitable mounting hardware

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

Suitable feeder coaxial cable

 <p>SKU: 7890 RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (™ times microwave) SKU: 7890-3 - RU400-UF ultra flexible Available in 100m, 300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>SKU: NM-8226 N-type male crimp connector for RU400 low loss, solid conductor Tri-metal plated</p>
 <p>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</p>	 <p>SKU: NM-8226-2 N-type male crimp connector for RU600 low loss, solid conductor Tri-metal plated</p>
 <p>SKU: ZCG1250 1/2" corrugated shielding, foam dielectric coaxial cable Available in per metre, 500m roll 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</p>