



ZN2-77-09-AC

Omnidirectional high gain mast mount collinear antenna

UHF CB Radio 477 MHz



The ZN2-77-09-AC omni-directional collinear is specifically designed and manufactured for use as a UHF CB radio fixed position antenna. With high gain and the flexibility of mounting to a mast, building or any other structure, the ZN2-77-09-AC is the ideal solution for UHF CB radio communications.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.

Construction	White fibreglass radome, aluminium mount section and cap and tri-metal plated termination
Frequency range	477 MHz - UHF CB Radio
Bandwidth	476.4125-477.4125MHz - covering all 40/80 channels
VSWR	<1.5:1 at set frequency
Tuning	Factory
Gain	12 dBi
Maximum power	100 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional ± 0.5 dBd
E Plane	13°
Connector	N-type female in base of mount section
Mount section	400mm x 25mmØ - anodised aluminium
Height	3.3 metres
Weight	1.5kg
Projected area	0.066m ²
Wind load at 160kph	7.975kg, 0.078kN
Temperature range	-10°C to +60°C
Mounting hardware order separate	Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS
Mounting position recommended	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps

Other models available

ZN2-375-03	4.5 dBi, UHF female SO239 - 1.55 metres
ZN2-675-06	6 dBi, UHF female SO239 - 1.85 metres
ZN2-77-06-AC	8.1 dBi, N-type female - 3.3 metres



Aluminium cap to reduce environmental damage and wasted signal.



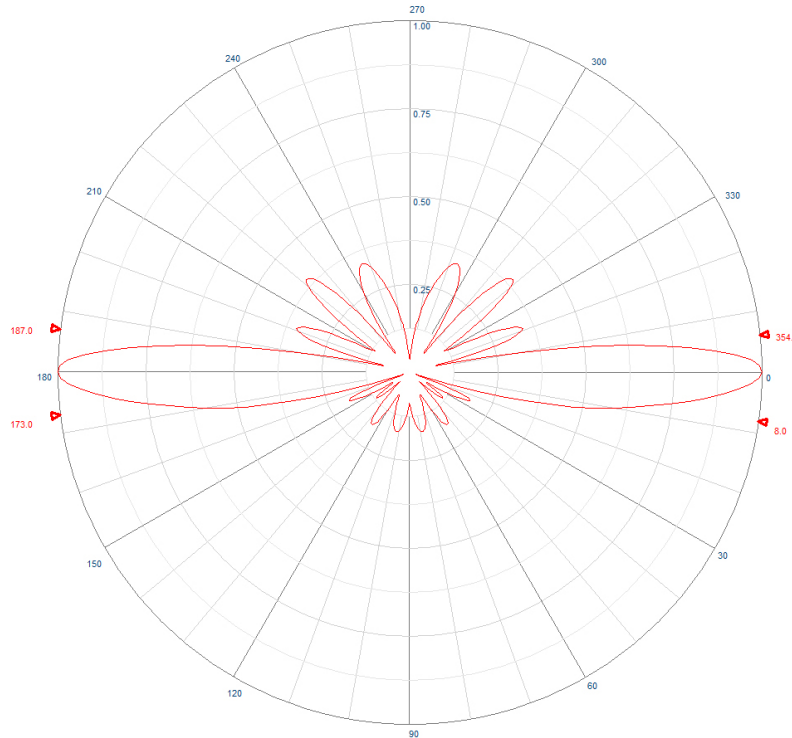
N-type female in base of mount section



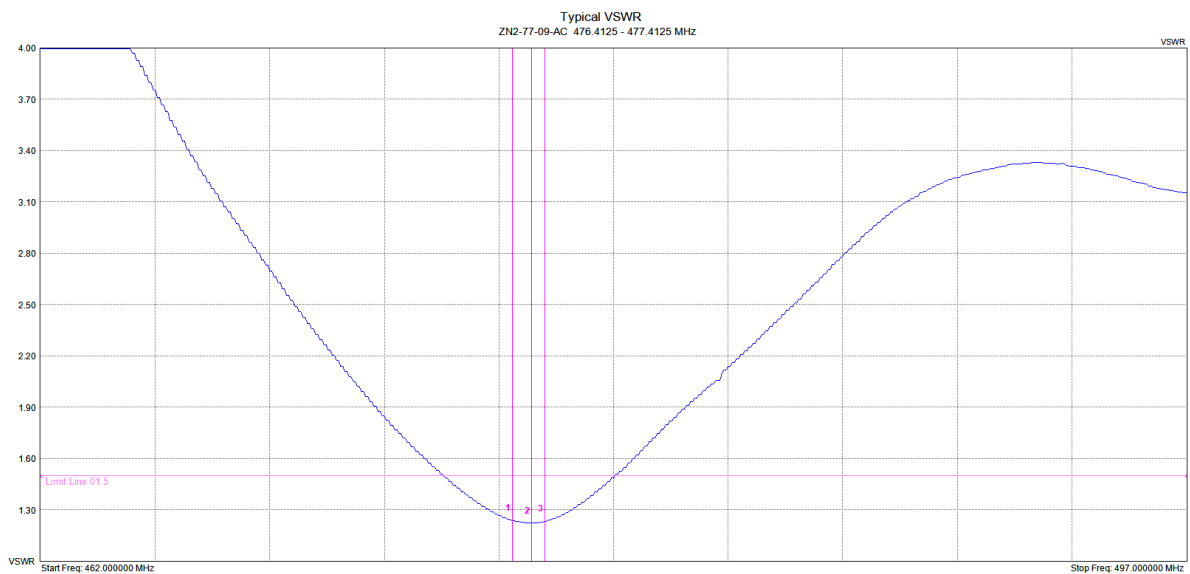
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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	476.413 MHz	1.24VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	477.000 MHz	1.22VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	477.413 MHz	1.24VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss





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SKU: CFB** series**
Galvanised steel 'J' hockey stick brackets, 1.1 - 2.7 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



SKU: A-2654-2
Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/ bolts and mounting hardware for antenna



SKU: SFB** Series**
Galvanised steel pole extension 0.9-2.0 metres
Roof or overhang mounting


Requires mounting screws/ bolts and mounting hardware for antenna




NBS Masts & Accessories
- Aluminium telescopic masts
- Tilt-over masts
- Lattice section masts
www.nbsmasts.com.au
Contact us for more info.



SKU: EB1-SS
2 units recommended
304 stainless steel parallel clamp
Boom: 20-40mm capability
Mount pole: 25-45mm capability



SKU: UB3-SS
304 stainless steel parallel clamp
Boom: 20-32mm capability
Mount pole: 20-50mm capability



SKU: RB8
2 units recommended
Galvanised steel steel right-angle clamp
Boom: 20-50mm capability
Mount pole: 20-50mm capability



SKU: UB2-SS
304 stainless steel steel right-angle clamp
Boom: 20-50mm capability
Mount pole: 20-50mm capability

Suitable feeder coaxial cable and connectors



SKU: 7800
MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable

Available in 100m or 300m rolls or alternatively request a custom cable assembly



SKU: NM-7937
N-type male crimp connector for MIL-SPEC RG213

Tri-metal plated



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



SKU: NM-8226
N-type male crimp connector for RU400 low loss, solid conductor

Tri-metal plated