



## ZN1-400-N Series

Lightweight flexible whip with external cable  
TE.T.RA / L.M.R. / C.B.R.S / UHF 360-470MHz



The ZN1-400-N series are UHF 360-470MHz flexible half-wave whip antennas, suitable for fixed position or vehicle mounted UHF communications. The ZN1-400-N comes fitted with a N-type female connector, other terminations are available.



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

	ZN1-400-N	ZN1-400-N-100*
Construction	Black PVC flexible radome, anodised aluminium mount section, external cable assembly and termination.	
Frequency range	TE.T.RA / L.M.R. / C.B.R.S / UHF / UHF CB radio 360-470MHz	
Bandwidth	Specify centre frequency with 15MHz bandwidth when ordering	
VSWR	<1.5:1 across specified frequency	
Tuning	Factory	
Gain	2.1dBi	
Maximum power	100 Watts	
Impedance	50 Ohms	
Polarisation	Vertical	
H Plane	360° omni-directional	
Cable	4 metres MIL-SPEC RG58 A/U bottom exit from handle	100mm MIL-SPEC RG58 A/U bottom exit from handle
Connector	N-type female as standard, or specify requirements	
Height	735mm	
Weight	400grams	350grams
Mount section	300mm x 20mm $\phi$ - anodised aluminium	
Mounting hardware order separate	Parallel: 2 x EB1-SS or 1 x UB3-SS Right-angle: 2 x RB8 or 1 x UB2-SS Side/wall mounting: 1 x NSM-B20M	
Mounting position recommended	Mount as high on your vehicle, structure or tower as possible ensuring no obstructions	



ZN1-400-N



ZN1-400-N-100



N-type female fitted to external cable (length depends on model) as standard or specify requirements



EB1-SS



UB3-SS



RB8



UB2-SS

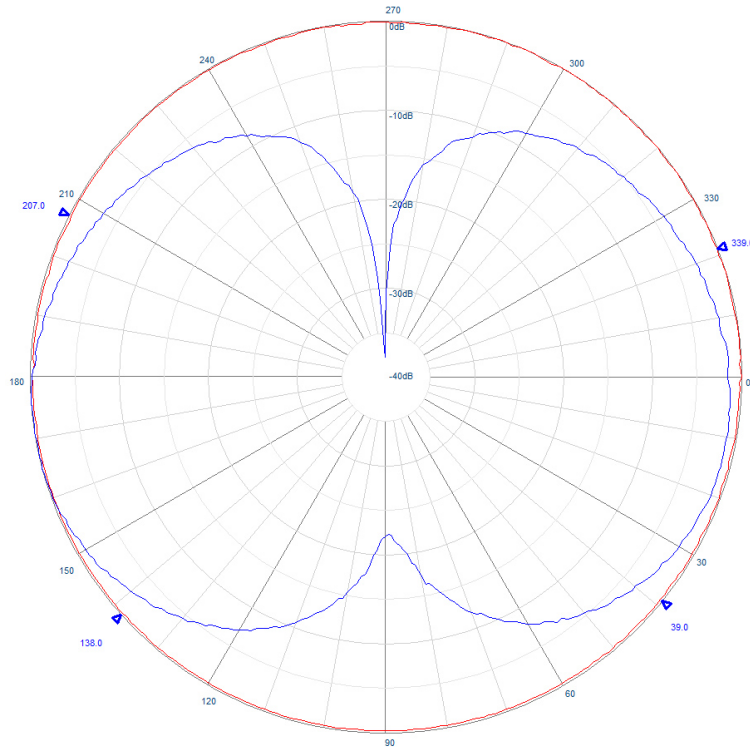


NSM-B20M

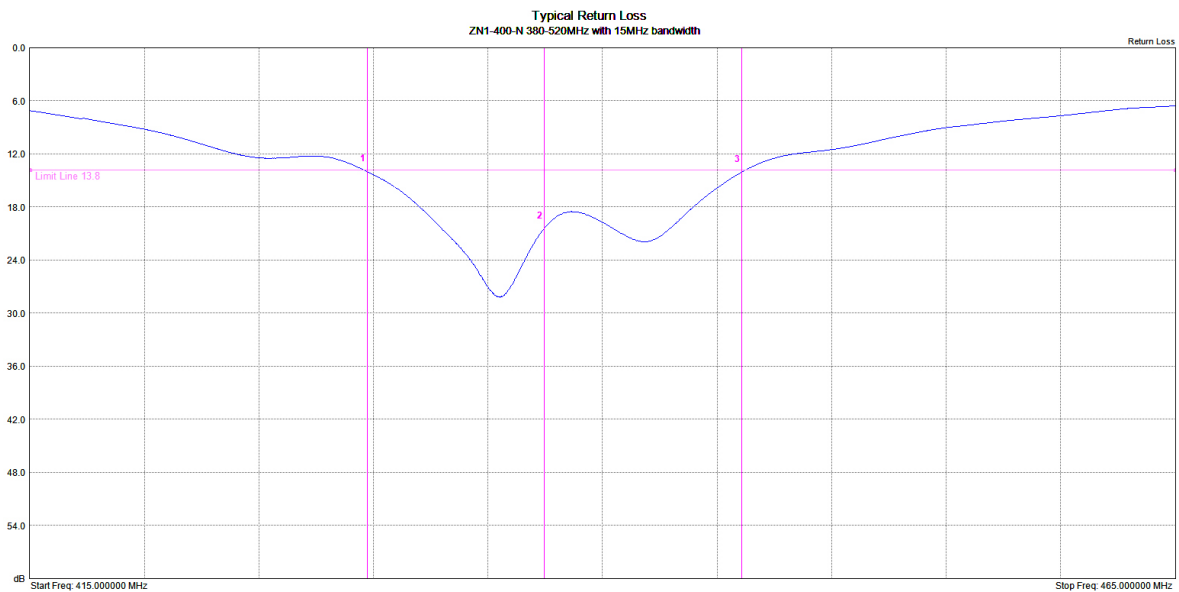


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Example radiation pattern



Mix	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	429.730 MHz	14.01 dB	--	--
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	437.447 MHz	20.49 dB	--	--
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	446.094 MHz	14.02 dB	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss - scaled with 15MHz bandwidth