

## Y815-CP Series

### Cross Polarised UHF TV Broadcast Yagi

The Y815-CP series of cross polarised UHF TV broadcast yagis operate with 13.5 dBd gain in both horizontal and vertical planes. Television transmission signals will therefore penetrate into the more obscure areas that a single plane antenna simply cannot.

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

Specifications	Y815AL-CP	Y815SS-CP
Construction	Aluminium	Stainless Steel (304 grade)
Frequency Range	UHF TV band IV and V 520-820MHz	
Bandwidth	8 consecutive channels (60MHz) (specify when ordering)	
Return Loss, VSWR	Better than -17dB, <1.3:1 across specified bandwidth	
Tuning	Factory	Factory
Cross Elements	15	15
Gain (nominal)	13.5 dBd per plane at centre frequency	
Polarisation	Circular elliptical	
Maximum Power	100 Watts	100 Watts
Impedance	50 Ohms	50 Ohms
H Plane each plane	50°	50°
E Plane each plane	46°	46°
DC Grounding	Yes	Yes
Front-to-Back Ratio	15 dB	15 dB
Connector (fitted)	N-female on input of phasing harness (supplied)	
Boom Length	2.6 metres at 520MHz	2.6 metres at 520MHz
Longest Element	300mm at 520MHz	300mm at 520MHz
Weight	3.1Kg	3.6Kg
Projected Area	0.078m	0.078m
Wind Load at 160kph	9.492Kg, 0.093kN	9.492Kg, 0.093kN
Strut Kit (recommended)	YS1-48 (order separately)	
Mounting Accessories	1 x A48 for Alum, 1 x S48 for S/Steel (order separately)	
Warranty	2 Years	2 Years

