



Y615TV-SS-RCM

Broadband dual dipole UHF TV Yagi with ruggedised termination

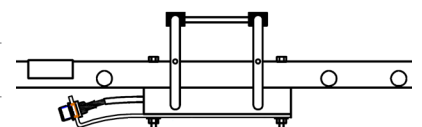
UHF Band IV & V 520-700MHz



The Y615-TVSS-RCM broadband dual dipole Yagi is specifically designed and manufactured to deliver genuine broadband coverage of the UHF TV Band IV and V 520-700MHz.

The ruggedised connector includes a solid connector support and stainless steel bird damage reduction braid for high bird damage installation

Construction	304 stainless steel boom, elements, dual dipole, connector support and bird-proof braid, coaxial cable and termination
Frequency range	UHF TV 520-700MHz - Ch 28-52 Band IV & V (4 & 5)
Bandwidth	Specify 15 consecutive channels/ 105MHz when ordering
VSWR	<1.2:1 across specified bandwidth
Tuning	Factory
Number of elements	15
Gain - nominal	12.1dBd
Polarisation	Mount horizontal or vertical as required
Maximum power	100 Watts
Impedance	50 Ohms
H Plane	41°
E Plane	41°
DC grounding	Yes
Front-to-back ratio	20 dB
Connector & cable	Bracket supported N-type female fitted to bird braid encased 300mm RG58 low loss coaxial cable
Boom length	1.85 metres x 25mm RHS
Widest element	280mm
Weight	2.5kg
Projected area	0.088m ²
Wind load at 160kph	8.41kg, 0.085kN
Strut kit	YS1-48 - order separately
Mounting hardware order separate	1 x A48 for Alum, 1 x S48 for Stainless steel - 30-50mm pole 1 x A48-65 50-60mm or 1 x S48-76 - 60-75mm pole

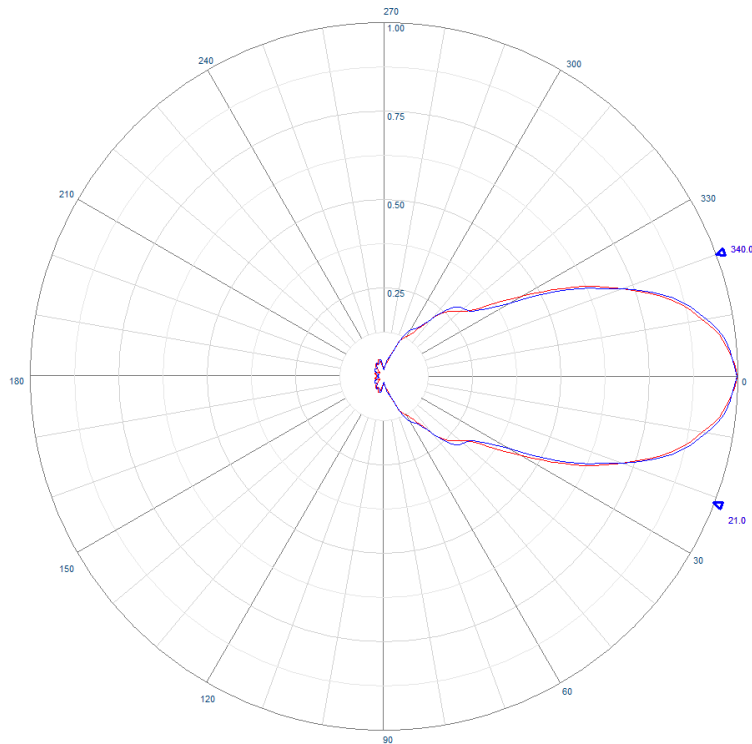


Ruggedised solid stainless steel connector mount with stainless steel braid encased coaxial cable for high bird damage prone installations

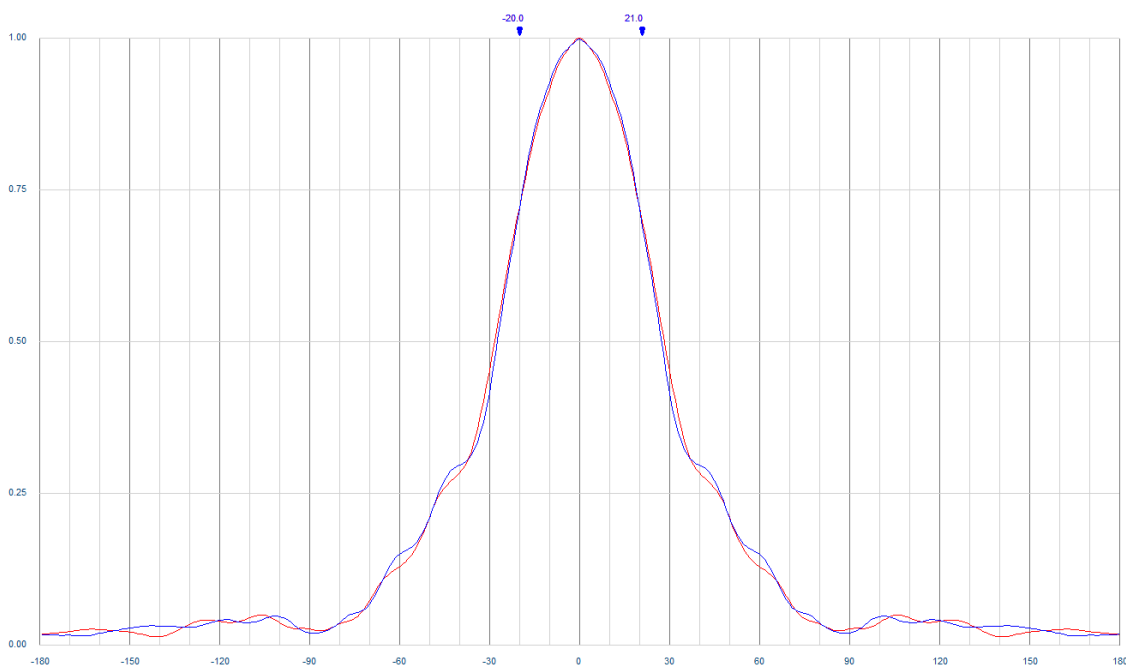


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Example Polar radiation pattern - Y615TV-SS-RCM



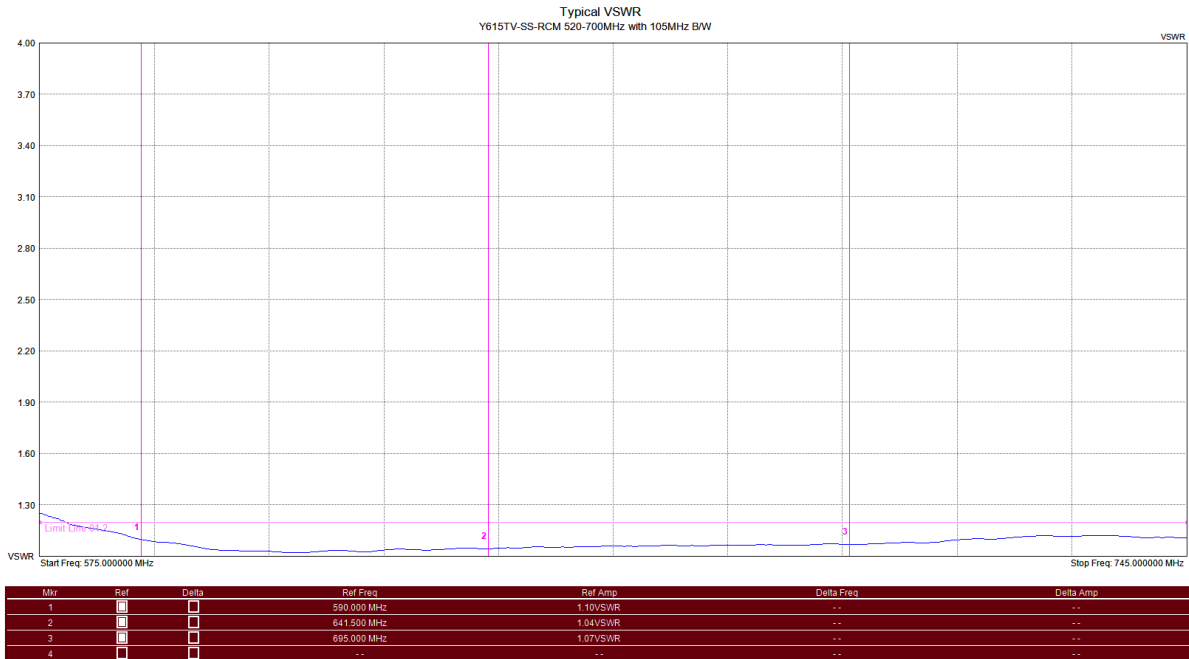
Example Cartesian radiation pattern - Y615TV-SS-RCM



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Typical VSWR - Y615TV-SS-RCM



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Suitable mounting hardware



S48 - stainless steel
Right-angle for 25mm RHS
30-50mm mount pole

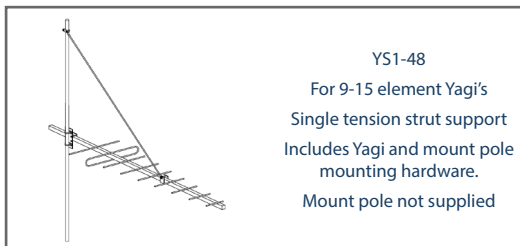


S48-76 - stainless steel
Right-angle for 25mm RHS
60-75mm mount pole

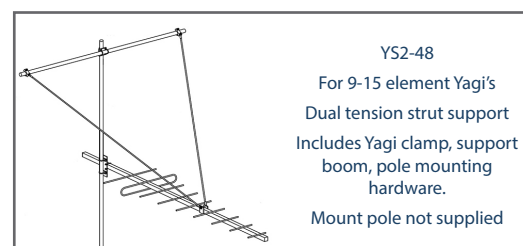


S48-90 - stainless steel
Right-angle for 25mm RHS
70-90mm mount pole

Also available: S48-120 for 100-120mm dia. mount pole/mast



YS1-48
For 9-15 element Yagi's
Single tension strut support
Includes Yagi and mount pole
mounting hardware.
Mount pole not supplied



YS2-48
For 9-15 element Yagi's
Dual tension strut support
Includes Yagi clamp, support
boom, pole mounting
hardware.
Mount pole not supplied

Suitable feeder coaxial cable and connectors



1/2" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG1250

Also available in super flexible
Available in per metre, 500m
roll or alternatively request a
custom cable assembly



N-type male clamp connector
for 1/2" flexible, corrugated
shielded, coaxial cable

P/N NM1250

Tri-metal plated



7/8" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG7850

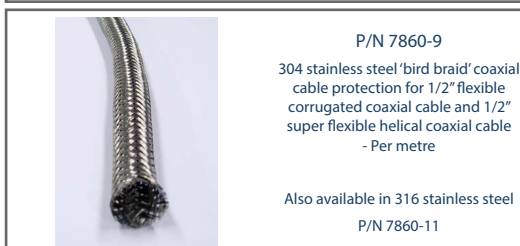
also available in Air-dielectric
Available in per metre, 500m
roll or alternatively request a
custom cable assembly



N-type male clamp connector
for 7/8" flexible, corrugated
shielded, coaxial cable

P/N NM7850

Tri-metal plated



P/N 7860-9

304 stainless steel 'bird braid' coaxial
cable protection for 1/2" flexible
corrugated coaxial cable and 1/2"
super flexible helical coaxial cable
- Per metre

Also available in 316 stainless steel
P/N 7860-11



P/N 7860-4

304 stainless steel 'bird braid' coaxial
cable protection for 7/8" flexible
corrugated coaxial cable - Per metre