UHF Yagi Antenna

(Model: A-Y46-SS)

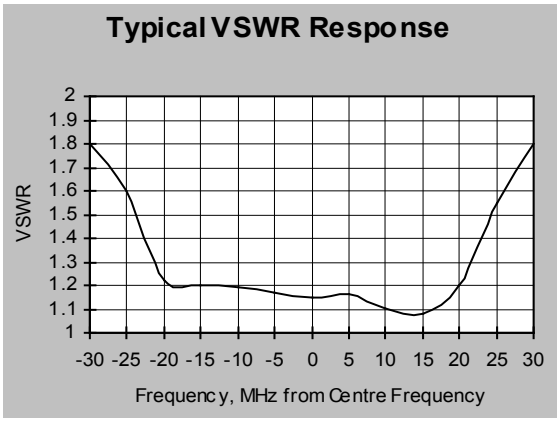
UHF Yagi Installation Guide

Whilst the installation of our UHF yagi is normally a straight forward exercise, the following guide lines are to ensure that the maximum reliable service life is obtained whether aligned for Horizontal or Vertical polarisation.

1. The yagi cable tail is a critical length and should never be changed. If the cable or connector sustain any damage we recommend that the yagi be returned to JBA Engineering for repair.
2. After connection of the feedline to yagi we recommend using self-vulcanising tape to seal the coaxial connectors against the ingress of moisture.
3. When mounting the yagi for Vertical Polarisation it is important to ensure the condensation drain hole in one end of the yagi dipole element is facing down.
4. When mounting a yagi for Horizontal Polarisation the dipole mounting block should face down as condensation drainage is via the coaxial cable entry hole.

Specifications

Frequency	400 – 520 MHz (specify)
VSWR at fc	Less than 1.3:1
Bandwidth at VSWR 1.5:1	6%
Nominal Impedence	50 Ohm
Termination	Cable tail to N type female
Power Rating	200 Watts
Forward Gain	9 dBd
Approx. Weight	0.7Kg Aluminium & 1.4Kg stainless steel
Wind Loading at 160 km/h	8.8 Kg
Length at 455 MHz	1030 mm
Boom diameter	25 mm
Front to Back ratio	20 dB
Phasing Harness Availability	2, 3 & 4 way
-3dBd Beamwidth H Plane	50°
-3dBd Beamwidth E Plane	46°



Specified Centre Frequency: 455 MHz

VSWR: 445-465 MHz <1.3 : 1