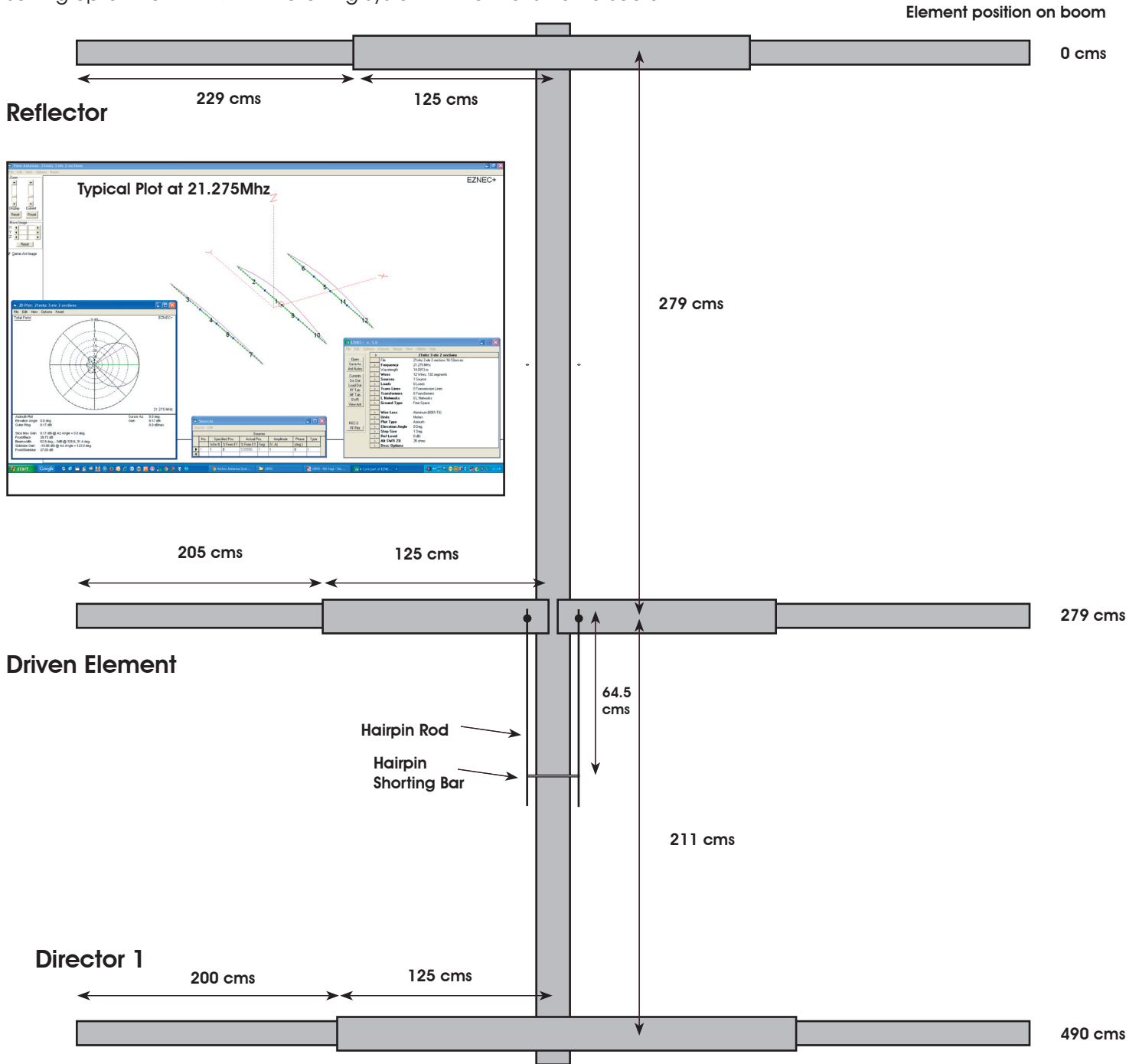


15M3 Light 'YAGI' Technical Sheet

Below are the measurements at which the antenna should be set at. This data sheet assumes a model that has elements which have 2 diameters, 16 and 12mm. Included in this data sheet is information on the approximate setting up of the '*HAIRPIN' matching system. Antenna is not to scale.



Antenna Model Yagi 3 element, centered around 21.250MHz Band 15m Elements 3

*Set the Hairpin shorting bar at 64.5 cms from driven element center for optimum SWR setting. Moving the shorting bar away from the driver lowers the radiation resistance 'R'. Resonance may also be controlled by moving the 12mm tubes of the driven element in (to go higher in frequency) or out to go lower in frequency. Move at 1 cm increments as this will move the antenna about 75kHz in frequency. Tests gave a maximum SWR reading across the whole band of no more than 1.2 to 1. High SWR readings may indicate improper assembly or adjustment. Tune for best SWR by moving the hairpin shorting bar either backwards or forwards. If the resonance is at the high end of the band, lengthen the driven element end tubes. Likewise if the resonance is too low, shorten the driver slightly. **NOTE - DO NOT ADJUST THE REFLECTOR OR DIRECTOR LENGTHS.** In all cases re-adjust the hairpin for best SWR. Hairpin settings may differ slightly from those given.