

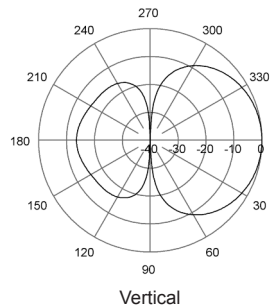
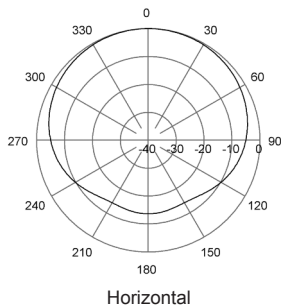
A 2-Element UHF Yagi antenna for PMR/Trunked Radio/TETRA networks. The driven element for this design is enclosed in a weather resistant plastic shroud to provide consistent, reliable performance in all weather conditions.

## MA421RS01

V-Pol | 2-Element Shrouded Yagi | 150° | 2.5 dBd



| Electrical Characteristics      |  |
|---------------------------------|--|
| Frequency band                  | 440-470 MHz  |
| Polarization                    | Vertical   |
| Horizontal beamwidth            | 150°   |
| Vertical beamwidth              | 65°  |
| Gain                            | 2.5 dBd  |
| Impedance                       | 50Ω  |
| VSWR                            | <1.5:1   |
| Front-to-back ratio             | >12 dB   |
| Maximum power                   | 250 W  |
| Connector type                  | N-Female + 0.65 coaxial cable  |
| Lightning protection            | DC grounded  |
| Mechanical Characteristics      |  |
| Materials                       | Boom, 45 mm dia., aluminium<br>Elements, 14 mm dia., aluminium<br>Balun, enclosed in polyethylene shroud |
| Dimensions (Length)             | 520 mm      20.5 in  |
| Weight without bracket          | 3.6 kg      7.9 lbs  |
| Wind load @ 160 km/hr (100 mph) | 100 N      22.5 lbf  |
| Mounting Options                |  |
| Mounting bracket                | MA621AZ51  |



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.