

## ZBW-500700

### Horizontally polarised broadband 'Batwing' Antenna

#### UHF 500-700 MHz

Our ZBW-500700 broadband UHF 'batwing' antenna provides low V.S.W.R. and genuine broadband coverage for both transmit and receive across the full UHF frequency range 500-700 MHz with a horizontal polarisation.

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

|                             |                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Construction                | Painted brass matching base/mount section, aluminium radiating 'batwings' and PVC radome (or specify requirements)       |
| Frequency range             | 500-700 MHz - UHF                                                                                                        |
| Bandwidth                   | Full frequency range stated - 200 MHz                                                                                    |
| VSWR                        | 1.5:1 - average ; 1.8:1 VSWR @ 700 MHz                                                                                   |
| Tuning                      | Factory                                                                                                                  |
| Gain                        | 0 dBd - unity                                                                                                            |
| Maximum power               | 1kW / 1000 Watts                                                                                                         |
| Impedance                   | 50 Ohms                                                                                                                  |
| DC grounding                | Yes                                                                                                                      |
| Polarisation                | Horizontal                                                                                                               |
| H Plane                     | 90°                                                                                                                      |
| E Plane                     | Omni                                                                                                                     |
| Connector                   | 7/16" DIN female in base of mount section, available with N-type on request                                              |
| Dimensions                  | Height: 900mm<br>Radome Diameter: 315mm                                                                                  |
| Mount section               | 25.4mm O.D.                                                                                                              |
| Weight                      | 3.5kg                                                                                                                    |
| Projected area              | 0.134m                                                                                                                   |
| Wind load at 160kph         | 16.262kg, 0.159kN                                                                                                        |
| Mounting hardware           | Parallel: 2 x EB1-SS or 1 x UB2-SS<br>Right-angle: 2 x RB8/RB8-L or 1 x UB3-SS<br>Stand-off: 2 x PDC-S clamps            |
| Installation tools required | Adjustable spanner for mounting hardware securing. Self-amalgamating butyl rubber and uPVC tape for termination sealing. |

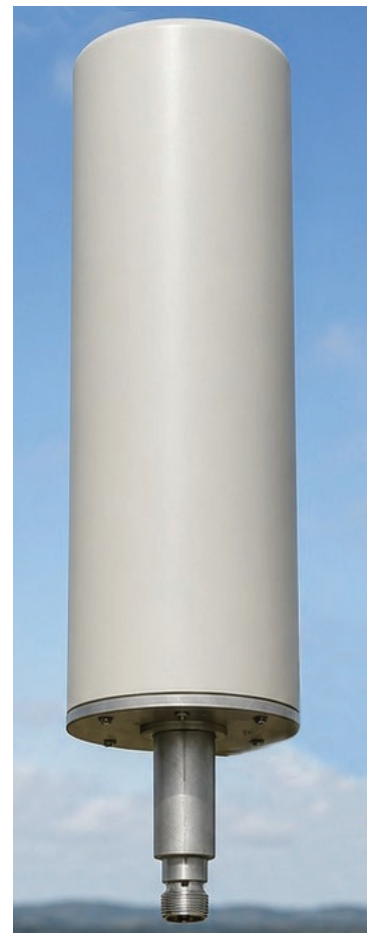


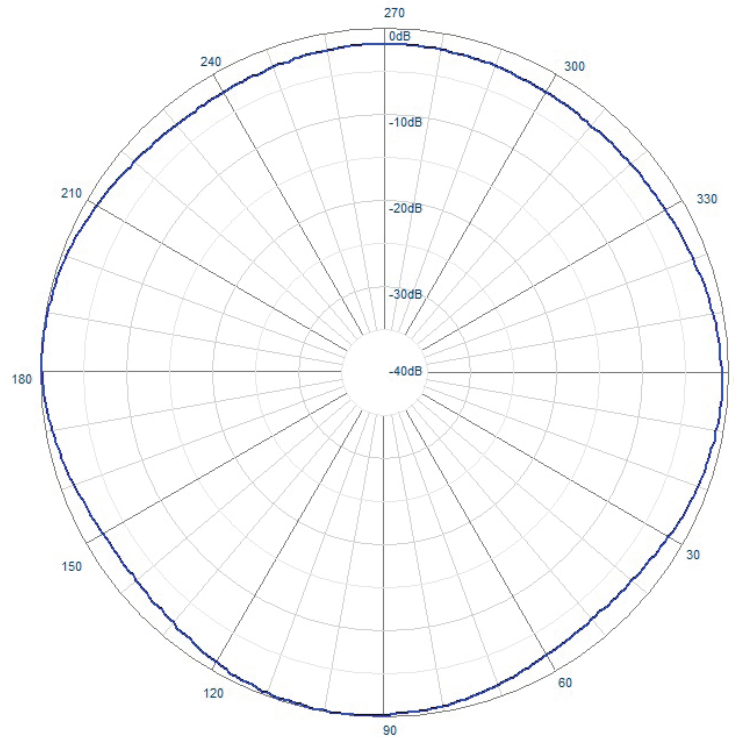
Image is for illustration purposes only, actual model will differ



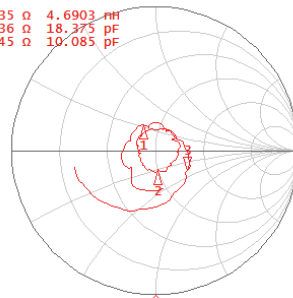
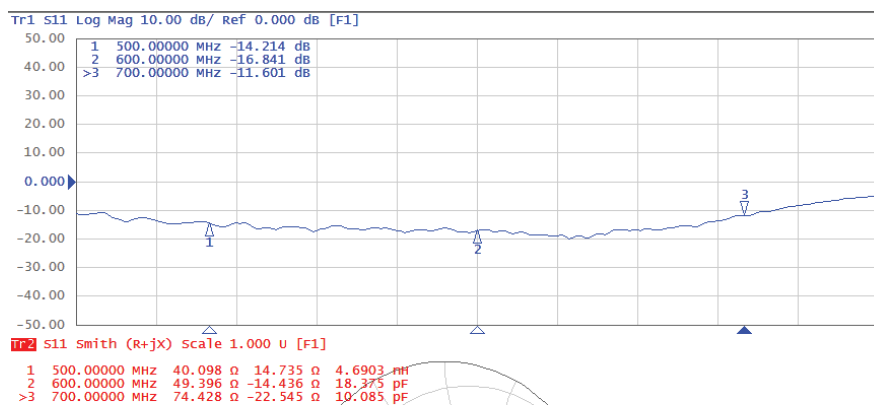
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Example radiation pattern



Typical VSWR

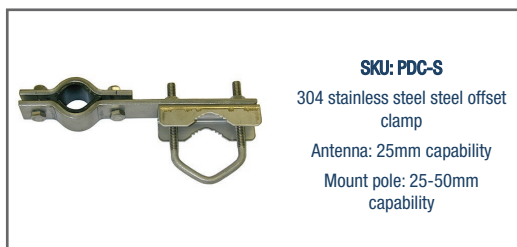
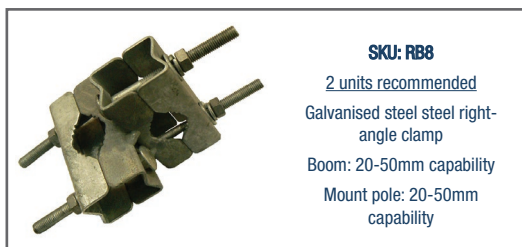
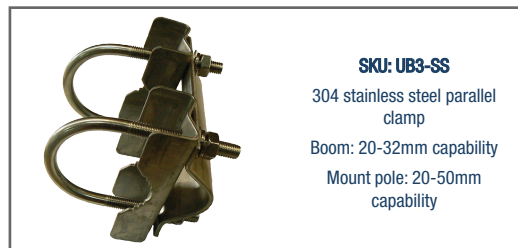
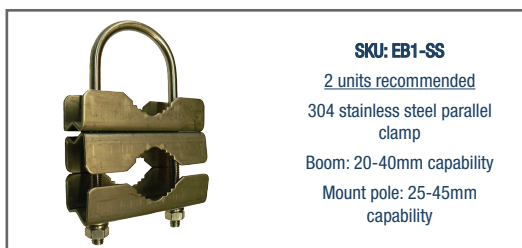
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##### Suitable mounting hardware



##### Suitable feeder coaxial cable and connectors

