

## 02316C Mobile Antenna Installation Instructions

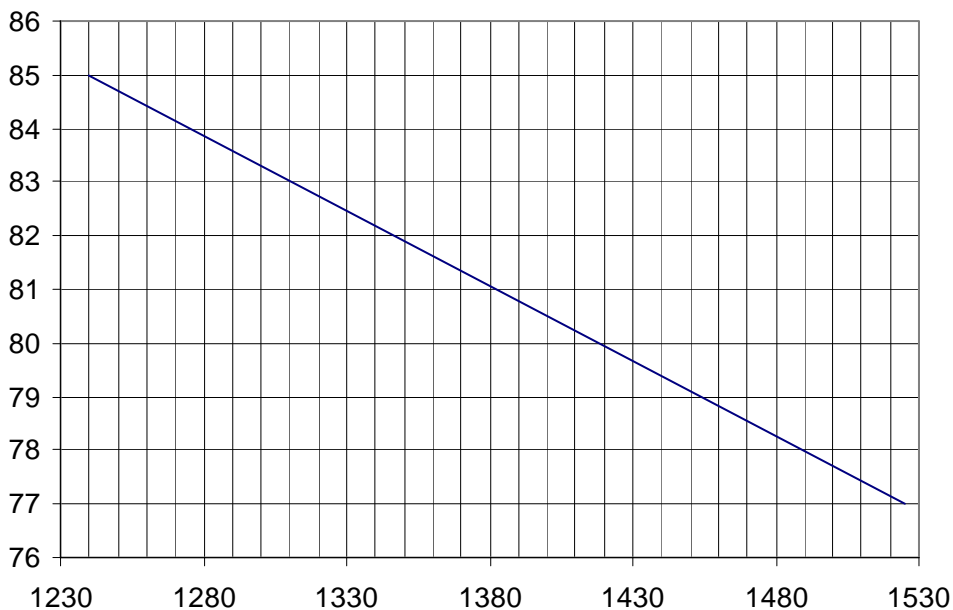
The model 02316C is a Mid Band \*Ground independent antenna offering excellent performance in mounting situations where sufficient vehicle ground plane is not available. The wide bandwidth (3 MHz) affords duplex coverage within the mid-band range. The antenna is fully tuneable across the range 77- 85MHz.

A gain of 1.5db (relative to a quarter wave whip) is achieved with an H Plane Omni radiation pattern.

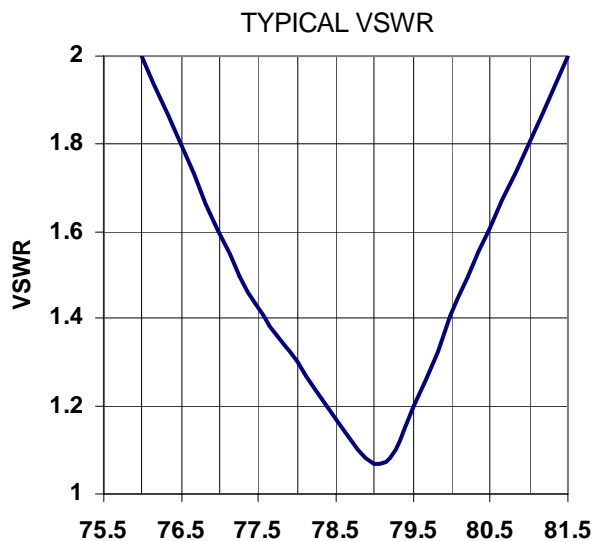
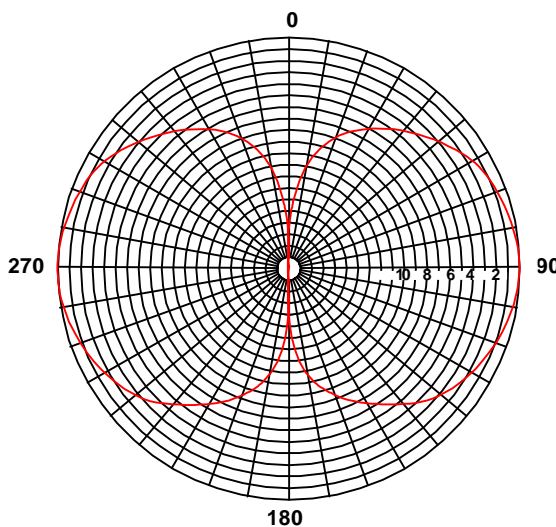
The radiator is constructed of 17-7-PH Tapered Stainless Steel affording excellent durability in rough conditions. The matching circuit is fully incorporated within the base assembly.

Mounting is via a UHF socket style base.

### WHIP CUTTING CHART



NOTE: Cutting Lengths are approximate only - fine tuning may be required. The antenna is best tuned to frequency (utilizing an inline VSWR measuring device) once installed on the vehicle with the cable routed to the radio.



**\*Special Note:** For practical reasons this antenna is a compressed 1/2 wave unit which has been reduced in physical length by loading. Although it is essentially ground independent, this antenna will perform best when earthed to the vehicle via the mounting base/bracket and through the radio.