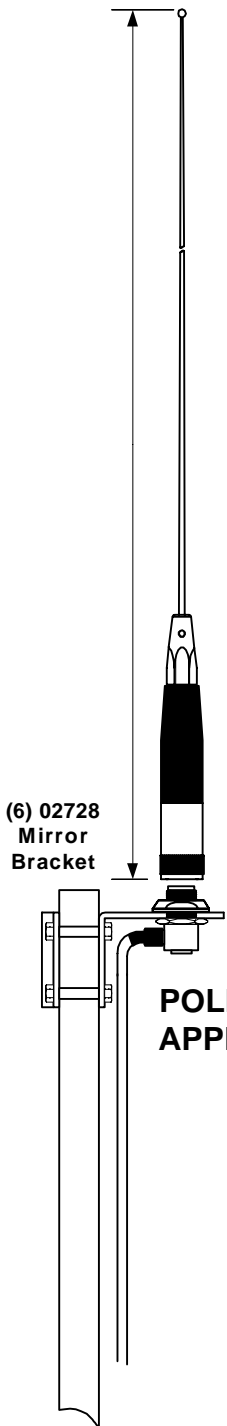


## 02515C Antenna Installation Instructions

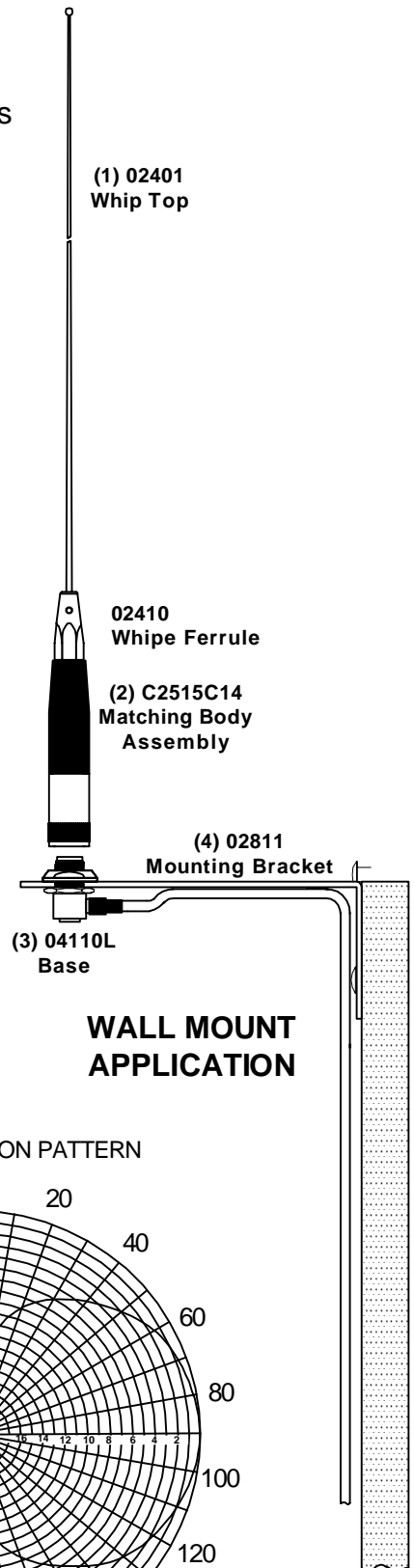
The 02515C antenna is completely ground independent, and suitable for mounting on walls, poles or vehicles. Its ground independence ensures a stable radiation pattern and VSWR performance despite mounting surfaces or locations. The 02515C is field tunable across the whole 148 -174 MHz frequency band.

### INSTALLATION

- A) Fit the Whip Top Assembly (1) to the top of the Matching Body Assembly (2) and tighten, ensuring that the whip top cannot be removed.
- B) Fit the UHF socket base (3) to the preferred mounting bracket (5) or (6).
- C) Mount the complete antenna assembly onto the socket base, ensuring that the whole antenna radiating section is clear of any vertical objects and any other obstructions.
- D) Route the coaxial cable to the transceiver.

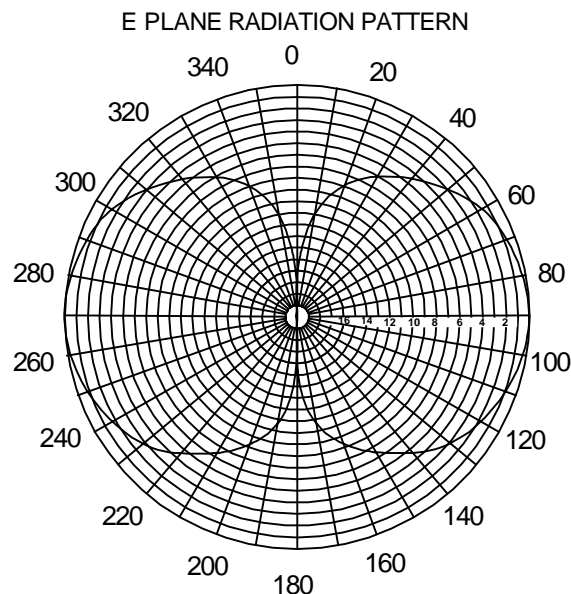
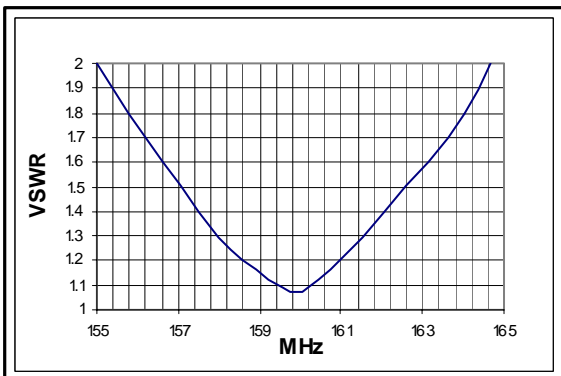


**POLE MOUNT APPLICATION**

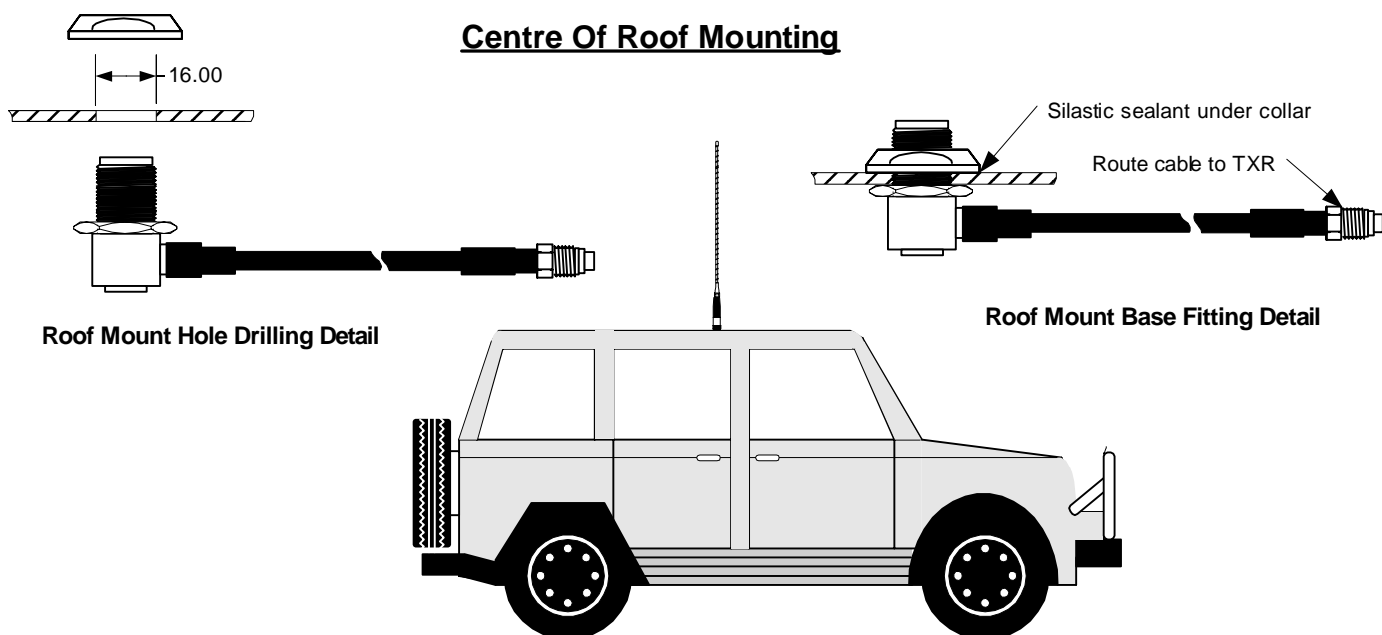


**WALL MOUNT APPLICATION**

TYPICAL VSWR RESPONSE



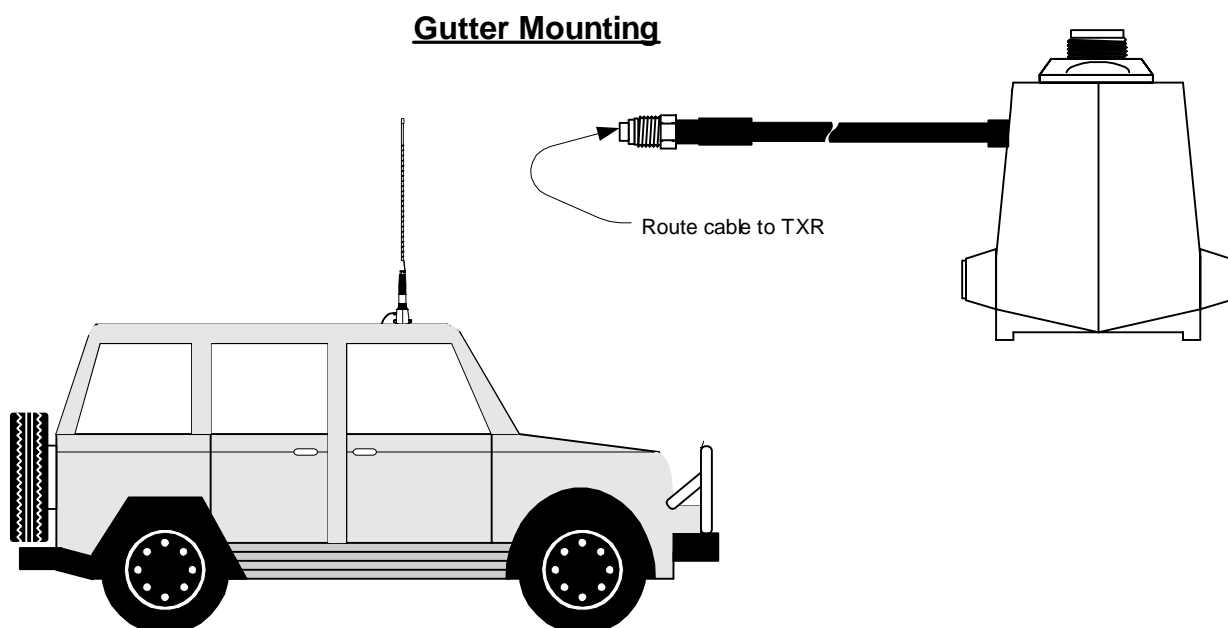
## 02515C Vehicle Mounting Locations



The antenna model 02515C is a ground independent omni directional antenna which can be mounted in various positions on the vehicle, without a deterioration in the omni directional pattern.

The best result with this antenna can be achieved when the antenna is mounted in the centre of the roof, centre of the roof mounting exhibits a slight increase in gain over other mounting locations.

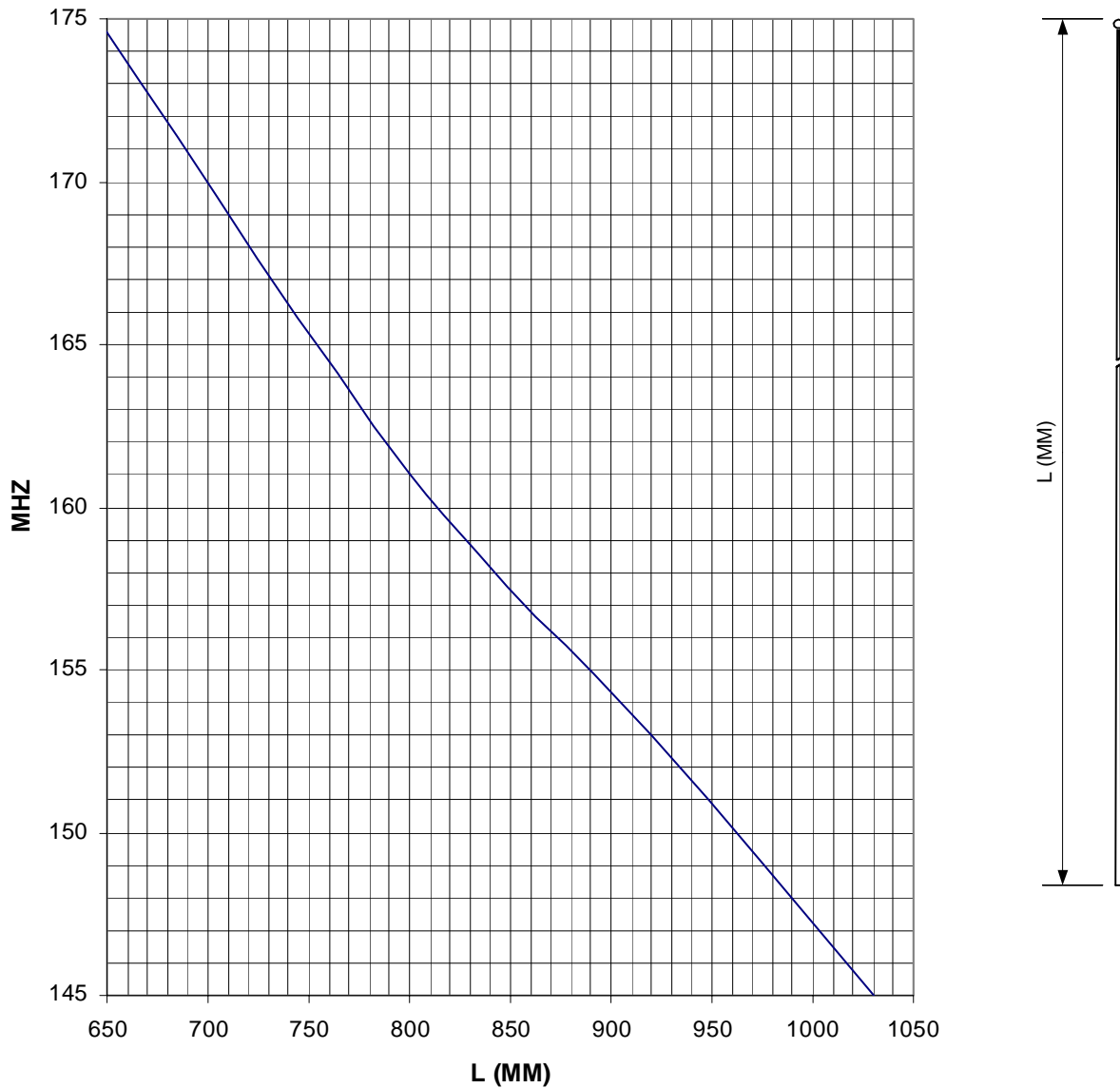
It is essential when centre roof mounting the antenna to ensure that the base is properly sealed to prevent the ingress of moisture.



When gutter mounting the 02515C antenna, it is essential to run the cable back through the vehicle doors in such a way to prevent damage to the cable.

The gutter mount should be adjusted such that the antenna is in a vertical position.

## 02515C Antenna Tuning Instructions



**Please Note** - This tuning chart is to be used as a guide to the approximate length of the whip top only.

It is essential that the antenna be properly tested using a VSWR meter or similar device for measuring VSWR or reflected power after installation.

The proper way to cut the whip is using an angle grinder or a fine file to cut through approximately 30% of the diameter of the whip, then use a vice grip and a pair of pliers to break off the end.

Do not attempt to use side cutters or bolt cutters as they will get damaged.

**Please use eye protection.**