

**Antenna – 19B209568P5**

Installation instructions for the antenna are packaged with the antenna. The antenna must be assembled and installed in accordance with the accompanying manufacturer's instructions and applicable industry standards for optimum results and safety.

The antenna should be located in the center of the roof or center of rear deck (i.e. trunk lid). Some states have laws governing restriction of visibility of vehicle operators by added items, such as antennas. Be familiar with local laws and locate antennas accordingly.

Route the cable away from locations where it will be exposed to heat, sharp edges or mechanical damage, and where it will be out of the way of the driver, passengers or vehicle mechanics. Wherever possible, existing holes in the trunk wall, and the channels above or beneath doors and window columns should be utilized.

Avoid routing the antenna cable near any electronic modules or along side any vehicle wiring.

Connect the antenna TNC cable connector to the TNC connector on the radio, being careful not to twist the cable.

**Maximum Permissible Exposure (MPE)**

In August, 1996, the FCC adopted an updated safety standard for human exposure to RF electromagnetic energy emitted by FCC-regulated equipment. Ericsson PRS subscribes to this same updated safety standard for the use of its radio products.

**Mobile or Fixed Station Operation**

The antenna specified above is a  $\frac{1}{4}$ -wave, monopole, unity-gain (2.15 dBi), omnidirectional antenna. It is the only 800 MHz antenna offered for sale by Ericsson for use with the EDACS 500M radio. MPE has been evaluated with this antenna, only, in combination with the EDACS 500M. These evaluations indicate that the FCC limits of Maximum Permissible Exposure (MPE) for General Population/Uncontrolled Exposure, as specified in 47 CFR § 1.1310, are not exceeded at distances of more than 31 inches (78 cm) from the antenna axis, when mounted in accordance with the prescribed procedure and locations.

different from the above indicated performance. **CONSULT THE SUPPLIER OR MANUFACTURER FOR INSTRUCTIONS BEFORE MAKING ANTENNA SUBSTITUTIONS.**

### **RADIO OPERATOR WARNING**

Operators of this radio and antenna combination must not transmit when persons are within the MPE radius [31 inches (78 cm)] of the antenna, unless such persons (e.g. the operator) are isolated from the antenna field by a grounded metallic barrier (e.g. the user's vehicle rooftop). **FAILURE TO OBSERVE THESE LIMITS MAY ALLOW THOSE WITHIN THE MPE RADIUS TO EXPERIENCE RF RADIATION ABSORPTION WHICH EXCEEDS THE SPECIFIED MPE LIMIT.**