External Antenna Installation Instructions

**ANT-900W4**

**Description**

**Dwg. #**

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**Vehicle Roof**

**1 meter (39.4 inches) Cable**

**Flat Metal Washer**

**Hex Nut**

**RP SMA Connector**

**Installation:**

- Drill hole in the desired location for mounting the antenna. The hole size should be at least 11/16" (.6875") but no larger than 3/4" (.750").

- Pass the cable through the hole, slide the flat metal washer and hex nut over the cable and thread onto the base of the antenna.

- Tighten the nut firmly to secure the antenna in place.

- Route the cable to the Wireless System Base unit, connect the RP SMA connector to the threaded jack on the Base unit.

**Route the Antenna Cable carefully, it must not be crimped or pinched.**

Do not allow the cable to become kinked or tightly bent, the recommended minimum bend radius is 1/2".

When connecting the RP SMA connector to the Wireless Base unit, it should be first hand-tightened, then given about 1/8 turn with a small wrench. Excess torque can damage the connector.

**SEE PAGE 2 FOR NOTES ABOUT USING MULTIPLE ANTENNAS**

When connecting the RP SMA connector to the Wireless Base unit, it should be first hand-tightened, then given about 1/8 turn with a small wrench. Excess torque can damage the connector.
A single Antenna should be placed in the center of the vehicle roof, whenever possible, and at least 3 feet from any metal obstruction such as a radio antenna or light bar.
When using multiple Setcom Wireless System antennas, refer to Fig. 1.