PCTEL

Trooper™ II
Permanent Mount Mobile Antenna

4G LTE | 5G | Dual Carrier | GNSS | Multiband | 802.11ax

GL9X1AX-TRB / GL9X1AX-TRW

Trooper™ II GL9X1AX-TRB / GL9X1AX-TRW

Stud Mount (Typical Installation)

1. Select a mounting location centered on a ground plane with a minimum of 203.2 mm (8 inches) in any given direction. Space at least 406.4 mm (16 inches) from adjacent antennas or metallic structures. To ensure proper sealing, the installation contour must be greater than 4300 mm (169.3 inch). Ensure that there is 50.8 mm (2 inches) in diameter around the mounting hole for the mounting stud, cable routing, and mounting nut and tightening procedure.

2. Cut or drill a 5.4 mm (1 inch) hole through the mounting surface (Figure 1).

3. Ensure that the hole edges are clean and free of any debris, sharp edges or burrs to prevent cable damage and VHB adhesive contamination during installation.

4. Clean the mounting surface around the hole. The surface must be free of any debris that would prevent the inner foam gasket from adhering or the outer rubber gasket from forming a seal.

5. Feed the cables through the hole taking care not to damage the jacket, and route them to desired location.

6. Remove the liner from the inner foam gasket, insert the mounting stud through the hole, and position the antenna onto the mounting surface.

7. Beneath the mounting surface, install the slotted lock nut onto the mounting stud and tighten by hand. Then tighten with a wrench until the antenna is fully seated or torque the nut to 8 Nm (6 lbf•ft) minimum.

8. Visually inspect the outer rubber gasket to ensure a proper seal against the mounting surface and radome.

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Trooper™ II

Slotted Nut

Mounting Stud

Cables

R 169.3 inch
Minimum
Curvature

Figure 1: Mounting Hole

ø 1.06 in
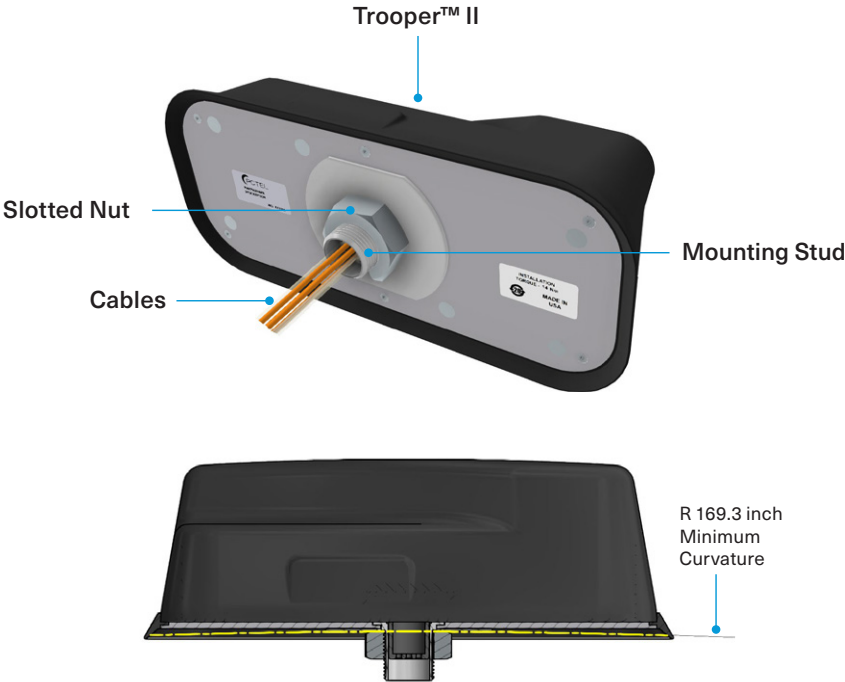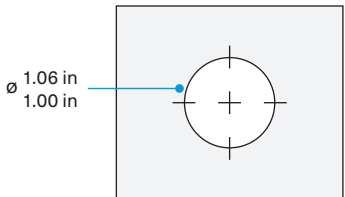1.00 in

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Need help?

For assistance with installation, please contact

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