



Customer Information Letter

Sky Connect LLC

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Category: Aviation

Topic: Antenna placement

The following is provided as informational only.

Sky Connect LLC in an attempt to help customers with the installation of the GPS and Iridium antennas offers the following as guidance, but reminds the installer that they are responsible for FAA approval of their installations.

The installation manual speaks about antenna placement and the “recommended” distances from other antennas with reference to A.C. 43-13 and industry standards. There is no way we can address all circumstances of airframe configurations, or antenna combinations.

Antenna installation and approval of the installation is the responsibility of the installer.

Recommendations we might be able to make in this area are to try your installation prior to drilling holes into the airframe to make sure the position will be acceptable. Perform a simple EMI test with the antenna positioned in the desired location prior to drilling mounting holes.

Position antennas temporarily and turn on both the Sky Connect and the possible victim system. Example; GPS, turn on the GPS and monitor the satellite receive signal page on the GPS while our unit transmits a position signal or make a call if voice capable. The satellite signals should not be affected by our unit. VHF comms or FM comms are typically far enough from our unit’s frequency but the same test can be applied to those systems as well. Simple test such as breaking squelch and monitoring the receive signal for noise from our system and transmitting on the VHF/FM while a call/message is in progress on our system can indicate if the two antennas are too close or not.

Acceptance of these methods are up to you and your local FSDO, but the best method is to document what you do and how you do it. Make a record and keep it with your installation notes or work order.