

From: Paul Accordino

To: Doug Young

Date: September 05, 2017

Subject: Request for Info - File # 0378-EX-CN-2017

Message:

Applicant: Skywest Airlines
FCC File Number 0378-EX-CN-2017
RESPONSE TO: 38269

REVISED: FCC FORM 442 - EXHIBIT 1
GPS RE-RADIATION DESCRIPTION AND PROPOSED USAGE

SkyWest Airlines, in response to the August 7, 2017, communication from the Federal Communications Commission's, supplies what, in the best efforts, the following corrections/changes to its application for authorization to operate a GPS Re-radiation system in our aircraft hanger and training facilities at the Salt Lake City International Airport in Salt Lake City, Utah.

SkyWest Airlines request the Federal Communications Commission's authorization to operate a GPS Re-radiation system in our aircraft hanger and training facilities at the Salt Lake City International Airport in Salt Lake City, Utah.

The Applicant, SkyWest Airlines, is requesting the power on the proposed application to be changed to the following power levels:

Frequency 1575.42 MHz -82.10 dBm or 6.16595002 picowatts

At 100 feet from the re-radiating antenna, the power is less than -140 dBm/24 MHz.

Frequency 1575.42 MHz -148.17 dBm or 0.00000152 picowatts

The hangar is constructed entirely of metal and attenuates the GPS signals to a level below the useable threshold of the aircraft navigation systems. The addition of a GPS Re-radiation system will provide service technicians to verify proper installation and operation of the aircraft navigation systems with needing to move the aircraft out the hangar. The time and expense required to shuffle aircraft around inside the hangar in order to move an aircraft in and out of the hanger with a tug can add up quickly.

The GPS Re-radiation system; Model Number GLI-METRO-G-RK-L1, is manufactured by GPS Source Inc. The system receives the GPS L1 Signal via an active antenna mounted on the rooftop of the hangar, passes the signal through coaxial cable to a power amplifier and re-radiated inside the hangar with a passive antenna.