

To: Marty McGregor
E-Mail: marty@americanaerospace.com
From: Doug Young
Date: July 20, 2017

Subject: Request for Info - File # 1018-EX-ST-2017

Message:

1. There are several discrepancies in your data entry. First, your ERP values are all the same as your output power values. This cannot be correct since you are using gain antennas. Output power is the power out of the transmitter going into the antenna, so this value should not include antenna gain. Second, your values in the block diagram are in EIRP and our form takes ERP. $ERP = EIRP/1.64$. Thirdly, the EIRP value of 25.12 W in the block diagram looks to be for a transmitter using 902-928 MHz, while that power value in the form is associated with a frequency of 900-902 MHz. Lastly, the frequencies corresponding to the ground station have both fixed and mobile designations. Are you using both fixed and mobile transmitters on the ground? Return to the filing site and use the "Amend/Complete Application" filing option to correct the data.
2. What is the maximum altitude that the aircraft will transmit from?
3. You have marked two exhibits as confidential. You must submit an item-by-item justification for the confidentiality request to answer the nine subsections of Part 0.459(b) of the FCC's rules. All non-confidential material must be viewable by the public, including the confidentiality justification.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of July 20, 2017 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 38024