

To: Lynn Greene
E-Mail: imgreene@thalesraytheon-us.com
From: John Kennedy
Date: May 22, 2006

Subject: FCC File # 0073-EX-PL-2006

Message:

Dear Ms. Lynn Greene:

Please prior coordinated the frequency 1090 MHz with the FAA Western Pacific Regional Office (AWP). At the completion of the coordination, please obtain the NGT number and report it in your response to this correspondence. Please report the following to the FAA AWP (Indicate "None" or "N/A" for any parameters that are not applicable to the experiment):

- peak envelope power (PEP);
- type of antenna;
- transmit antenna gain;
- elevation above sea level of the antenna site;
- height above ground of the focal point of the antenna;
- antenna polarization;
- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.;
- pulse repetition rate (PRR) that the equipment is capable of operating on to include PRR stagger sequences if appropriate, whether the PRR is adjustable and what PRR's the equipment can accept, and any other information that would be helpful in understanding the pulse characteristics (staggered, jittered, fixed) of the equipment;
- pulse width;
- equipment nomenclatures;
- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking;
- radius of operations if appropriate;
- detailed description of the proposed operation to include any technical parameters that will be altered during operations.
- What is the maximum flight altitude?
- Does the applicant want to interrogate (transmit) on 1090 MHz as well as 1030 MHz (airborne transponders typically only transmit on 1090 MHz and receive on 1030 MHz)?
- If the applicant will be transmitting on 1030 MHz, in what modes of operation does the applicant want to operate (Modes 1, 2, 3A, 3C, 4, 5, Mode-S)? Is this a TCAS and is TCAS the only reason why the 1030 MHz transmissions are needed (airborne Mode 4 and/or 5 operations will be very difficult if not impossible to authorize and airborne Mode-S is not authorized)?
- To whom is this product being sold? Is this confined to overseas customers or US customers?

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 May 22, 2006 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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hyperlink.

Responses to this correspondence must contain the Reference number : 4357