

To: Thelma Cline
E-Mail: tmcline@raytheon.com
From: John Kennedy
Date: March 02, 2006

Subject: FCC File # 0049-EX-ST-2006

Message:

Dear Ms. Thelma Cline:

Upon reviewing the text under "Purpose of Operation", I noticed the following:

"The Capri system is a wide band (> 1 GHz) experimental radar characterized by a 300 watt peak power transmitter (60 watts average power) and a highly directional antenna (> 35db gain)."

The 300 watts with a gain of 35 dBd gives approximately 1 MW which would explain the request for 1 MW ERP. Based upon the text above, the 60 watts is the "average" output power, not the peak effective radiated power which is closer to 1 MW. Please verify this with the engineers. If this is granted with the wrong power, new application would have to be coordinated to try to correct it.

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 March 02, 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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Responses to this correspondence must contain the Reference number : 4194