

From: Chuck Finley

To: Leann Nguyen

Date: November 06, 2012

Subject: FCC File# 0873-EX-ST-2012

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Message:

These comments are in response to the FCC query for information on 11/01/2012

1. The main purpose of the experiment is to determine the feasibility of increasing the radar power output of the Furuno DRS4D within the confines of the current DRS4D form factor. These experiments would replace the 4 kW magnetron currently installed on the DRS4D with a 10 kW magnetron without any major modifications to the DRS4D system and would increase the current duty cycle by increasing the pulse repetition frequency. The experiments would entail a number of short tests of less than 5 minutes to probe the impact on the radar hardware and if successful, a few longer tests of about 1 hour to determine the thermal impact.

2. Standard DRS4D 24? antenna

3. Maximum duty cycle of 0.12%

4. Radar test Points of Contact (In order of responsibility):

- a. Walker Butler, 480-216-2661
- b. Gary Hamman, 480-216-2665
- c. Phil Evans, 408-400-0117
- d. David Metz, 814-418-4448