

From: Ron Young

To: Doug Young  
Date: October 30, 2009

Subject: Request for Info - STA File #0466-EX-ST-2009

---

Message:

Applicant: General Dynamics C4S  
File Number: 0466-EX-ST-2009  
Correspondence Reference Number: 9541  
Date of Original Email: 10/26/2009

To: Mr. Doug Young

The narrowband requirements of authorized bandwidths which are 11.25 kHz or less (per NTIA Manual Section 5.3.5.2) have been met by the equipment to be used for this demonstration. I apologize for the error I made when filling out the STA application. I actually included the Wideband (25 kHz) and Narrowband (12.5 kHz) channel spacing, rather than the actual necessary bandwidths that are associated with the emission designators. I was also unaware of the standards change on January 1, 2008 which specifies that all new systems operating in the 406.1-420 MHz frequency range must conform to the narrowband requirements.

The demonstration will include only narrowband digital data transmissions (11K0F1D, 10K5F1D, 7K8F1D, 9K38F1D, 4K60F1D). The P7100 Radio (OWDTR-0016-E) and MASTR III Repeater?s (OWDTR-0038-E) Grants of Equipment Authorizations illustrate the narrow bandwidth requirements have been met.

I will attach a copy of the Grants of Authorization for the equipment we plan to use during the demonstration to the file for your reference. I would also like to reiterate the fact that the repeaters will be used without any power amplifiers and will be operating at a reduced power output level of approximately 10mW. As such, the transmit range will be very limited.

Please let me know if you have any other questions. I would also appreciate whatever can be done to expedite this request as we are quickly approaching the scheduled date.

Thank you very much.

Regards,  
Gil Estrella

GENERAL DYNAMICS  
C4 Systems  
8201 E. McDowell Rd. M/S H2550  
Scottsdale, AZ 85252  
Phone: 480-441-3725 Pager: 877-473-9680  
Fax: 480-441-3625  
EMail: Gil.Estrella@gdc4s.com