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From: Schuemann, Vance W.
Sent: Tuesday, May 30, 2006 2:51 PM
To: 'Sydney.Bradfield@faa.gov'
Subject: Coordination request for 1378 MHz

Dear Mr. Bradfield:

On behalf of Northrop Grumman Space and Mission Systems Corp. ("NGSMS"), we herein request coordination of frequency 1378 MHz, for which NGSMS will apply with the FCC to operate under a FCC experimental authorization for a two year license term. NGSMS requires the use of frequency 1378 MHz to test and demonstrate a Wideband Networking Waveform ("WNW") digital command and control network for a customer in support of the Airborne and Maritime/Fixed Station Joint Tactical Radio System (AMF JTRS), Contract Number: FA8709-04-C-0011.

Please send me the NGT number for this coordination so NGSMS may provide the NGT number to the FCC.

The following are the parameters of NGSMS proposed use of frequency 1378 MHz:

- peak envelope power (PEP):

100 W

- type of antenna:

omnidirectional

- transmit antenna gain:

N/A

- elevation above sea level of the antenna site and height above ground of the focal point of the antenna:

Two airborne transmitters mounted on aircraft, flying at a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within a 60 kilometer radius around a centerpoint of 32°59’25.3”N and 117° 04’46.3” in San Diego (San Diego County), California.

Two fixed/base antenna sites in Rancho Carmel (San Diego), California:

• 15180 Innovation Drive (32° 59’30.6”N and 117° 04’48.24”W) with an omnidirectional antennae that will be positioned at ground level with a height of 25.0 meters AGL and an elevation of 254.5 meters ASL.

• 1 Rancho Carmel (32° 59’25.3”N and 117° 04’26.5”W) with an omnidirectional antennae that will be positioned at ground level with a height of 2.0 meters AGL and an elevation of 249.0 meters ASL.

- antenna polarization:

Vertical

- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.:

N/A

- 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:

134 pulses/sec

- pulse width:

5.234 msec

- equipment nomenclatures:

NGST Radio Systems, model number 000-00-0001, transmitters with omnidirectional antenna

- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking:

N/A

- radius of operations if appropriate:

Two airborne transmitters mounted on aircraft, flying at a minimum altitude of 3,050 meters and a maximum altitude of 6,100 meters, within a 60 kilometer radius around a centerpoint of 32°59’25.3”N and 117° 04’46.3” in San Diego (San Diego County), California.

- detailed description of the proposed operation to include any technical parameters that will be altered during operations:

NGSMS requires the use of frequency 1378 MHz to test and demonstrate a Wideband Networking Waveform ("WNW") digital command and control network in support of the Airborne and Maritime/Fixed Station Joint Tactical Radio System (AMF JTRS), Contract Number: FA8709-04-C-0011.

Please do not hestitate to contact me or Fred Berrong of Northrop Grumman (Tele: (661) 272-7033; Email: fred.berrong@ngc.com) if you have any questions.

Thank you,

Vance

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