

## Wilson, Daniel P

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**From:** Garcia-Jr, John E  
**Sent:** Thursday, September 29, 2011 11:19 AM  
**To:** Wilson, Daniel P; Yarbrough, Douglas  
**Subject:** FW: FAA Coordination - El Segundo, CA

**Follow Up Flag:** Follow up  
**Flag Status:** Red

**Attachments:** Picture (Device Independent Bitmap); Satellite Testing FCC Application.pdf; STG20385; STG14040

The NGT number is listed below. The additional files that are attached are a map that he attached to the email.

V/r,

John Edward Garcia  
Spectrum Manager - DoD, Civil, & Federal  
Spectrum Management and Electromagnetics  
The BOEING Company - Seattle, WA  
D:206-544-6053 BB:206-304-1287  
john.e.garcia-jr@boeing.com

**From:** Sydney.Bradfield@faa.gov [mailto:Sydney.Bradfield@faa.gov]  
**Sent:** Sunday, July 24, 2011 11:38 PM  
**To:** Garcia-Jr, John E  
**Cc:** Thorsheim, Joel D; Yarbrough, Douglas; james.motley@faa.gov; thuy.t.nguyen@faa.gov; Nico.Nguyen@faa.gov; Phuong.Duong@faa.gov; John.Hepsen@faa.gov; timothy.j.pawlowitz@faa.gov; Thomas.Ahn@faa.gov  
**Subject:** Re: FAA Coordination - El Segundo, CA

John and all,

Per below with no interference predicted (30 dB below required interference to noise ratio) to the closest FAA Radar at Burbank 16 nmiles away among radars within the proposed band M2780-M2820 of very small CW emissions at 0.0001 W at 10 dB gain, we concur under coordination number NG T110276.

Please forgive any inconvenience from the delay in response.

Sydney Bradfield  
WSA Spectrum Engineering Services, AJW-9370  
Los Angeles Support Center  
310-725-3671, DSN 958-3671  
Cell 310-863-5097



From: "Garcia-Jr, John E" <john.e.garcia-jr@boeing.com>  
To: Sydney Bradfield/AWP/FAA@FAA  
Cc: "Thorsheim, Joel D" <Joel.D.Thorsheim@boeing.com>  
Date: 06/03/2011 09:37 AM  
Subject: FAA Coordination - El Segundo, CA

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Mr. Bradfield,

We respectfully request your coordination comments for the attached FCC experimental license application (File Number:0248-EX-PL-2011) specifically the following frequencies in the application.

Frequency Range

2780.0000Mhz through 2820.0000Mhz

Technical Specifics:

1. Transmitter manufacturer and nomenclature: Agilent 83620B Signal Generator
2. Transmitter bandwidth: NoN
3. Transmitter output: -10dbm (.0001W)
3. Antenna type (dipole, horn, parabolic, etc): Horn
4. Antenna gain: 10dBm
5. Antenna ERP: 0dBm (0.0010W)
6. Antenna radiation pattern: Directional
7. Comments: Signal Generator will be RF source.
8. NAD Coordinates: 33-55-42N/118-23-18W

Nature of Test

This license application is for testing and development of satellite equipment. The system testing will be conducted within the BOEING S06 Building located in El Segundo, California. The RF signal source will be the Agilent and the directional antennas will be either 90 or 180 degrees from the ceiling. The Boeing Company is more than willing to comply with any limitations you may levy on the use of these frequencies. I will be looking forward to hearing from you in regards to this request.

Thank you for your time.

John Edward Garcia  
Spectrum Management and Electromagnetics  
The Boeing Company - Seattle  
Boeing Frequency Management Services  
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Satellite Testing  
FCC Applicat...



STG20385 (115 KB)



STG14040 (6 KB)