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**From:** Sydney.Bradfield@faa.gov [mailto:Sydney.Bradfield@faa.gov]  
**Sent:** Tuesday, January 26, 2010 4:15 PM  
**To:** Johnston, John P  
**Cc:** thuy.t.nguyen@faa.gov; james.motley@faa.gov; Nico.Nguyen@faa.gov;  
daniel.r.orear@faa.gov; John.Hepsen@faa.gov; timothy.j.pawlowitz@faa.gov;  
donald.nellis@faa.gov; Thomas.Ahn@faa.gov  
**Subject:** Re: Fw: FAA Coordination on Experimental License Filing (0041-EX-PL-2010)

John,

We have reviewed your request for renewal and concur to a renewal, subject to the same conditions and terms as noted below. Since there are no technical changes, no new coordination number is necessary.

Thank you for the notice.

Sydney Bradfield  
WSA Engineering Services  
LA Operations Engineering Support Center, AJW-W15M  
Comm/Spectrum Support Center  
310-725-3671, DSN 958-3671

**From:** Thuy T Nguyen/AWP/FAA  
AJW-W15M, Comm/Spectrum Spt Ctr - WSA  
**To:** Sydney Bradfield/AWP/FAA@FAA  
**Date:** 01/26/2010 10:51 AM  
**Subject:** Fw: FAA Coordination on Experimental License Filing (0041-EX-PL-2010)

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THUY T. NGUYEN  
WSA Spectrum Engineering Services  
Operations Engineering Section, AJW-W15M  
WORK: (310) 725-7470  
CELL: (310)755-8309  
----- Forwarded by Thuy T Nguyen/AWP/FAA on 01/26/2010 10:51 AM -----

**From:** Daniel R ORear/ANM/FAA  
AJW-W15M, Comm/Spectrum Spt Ctr - WSA  
**To:** "Johnston, John P" <John.P.Johnston2@boeing.com>  
**Cc:** Thuy T Nguyen/AWP/FAA@FAA  
**Date:** 01/26/2010 10:24 AM  
**Subject:** Re: FAA Coordination on Experimental License Filing (0041-EX-PL-2010)

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Mr. Johnston,

This request needs to be worked out of our Los Angeles office. I'm including Ms. Thuy Nguyen who will let you know which engineer will process your request.

Dan ORear  
ATO Western Service Area  
Northwest Mountain Region  
Spectrum Engineering Services  
425-227-2637

From: "Johnston, John P" <John.P.Johnston2@boeing.com>  
To: Daniel R ORear/ANM/FAA@FAA  
Cc: "Thorsheim, Joel D" <Joel.D.Thorsheim@boeing.com>, Timothy J Pawlowitz/AWA/FAA@FAA, Khoat Nguyen/ANM/FAA@FAA  
Date: 01/26/2010 08:22 AM  
Subject: FAA Coordination on Experimental License Filing (0041-EX-PL-2010)

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Mr. ORear,

We respectfully request your coordination comments for the renewal of the attached FCC experimental license ((0041-EX-PL-2010). On previous tests similar in nature to this one we have had restrictions placed on the testing parameters (listed below) and we are more than willing to comply with those limitations or any new restrictions for this request.

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) ERP shall not exceed the power levels listed
- (4) Testing on the frequencies 1030 MHz/1090 MHz shall comply with the following:
  - a) The ramp tester must be set to interrogate at the interrogation rate of 235 Hz.
  - b) The Mode-C reply from the aircraft must be ground level otherwise no free-space radiation.
  - c) Only one ramp tester may operate at a time.
- (5) Operations must adhere to FCC Part 87 Subpart Q rules.
- (6) Operation is subject to prior coordination with the FAA's Western Service Area Los Angeles Office (FMO) at 310-725-3671/ 3668/ 7470/ 3669 at least 24 hours prior to testing.
- (7) Licensee shall operate in accordance with all parameters agreed and follow FAA restrictions.
- (8) Unit must be operated under a hood with a dummy load, or directly connected via cable to the aircraft receiver to reduce free space radiation.
- (9) Mode C response must indicate an altitude below sea level or above 90,000 ft if the

unit is not directly connected via cable to the receiver.

(10) The designated point-to-contact to terminate transmissions if interference occurs is the Victorville Air Traffic Control tower 760-246-7827 or Victoria Habas (cell) .

I will be looking forward to hearing from you in regards to this request. Thank you for your time.

***John "JJ" Johnston***

The Boeing Company  
Government Spectrum Specialist  
Boeing Frequency Management Services  
(206)662-0708 (office)  
(206)462-9595 (cell)