

## John Kennedy

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**From:** Pete Collis [Collis.Pete@orbital.com]  
**Sent:** Friday, May 23, 2008 6:43 AM  
**To:** John Kennedy  
**Cc:** Dave DeTroye; Phillip Kiel  
**Subject:** Re: FCC File # 0200-EX-PL-2008

**Attachments:** pic26418.gif; pic27938.gif; pic06900.gif; pic03788.gif; pic18127.gif; pic00467.gif; pic03728.gif



pic26418.gif (3 KB)



pic27938.gif (160 B)



pic06900.gif (160 B)



pic03788.gif (8 KB)



pic18127.gif (504 B)



pic00467.gif (160 B)



pic03728.gif (160 B)

Mr .

John Kennedy,

It is accurate that Orbital tests satellite transponders from end-to-end with CW carriers, hence the NON designator should remain on the application. In addition, Orbital does use low power digitally modulated signals for telemetry and ranging. Our uplink signals are FM BPSK and downlink signals are PM BPSK with a +/- 400 kHz tolerance.

As such, I will update the application to edit the reference designators as follows:

5851.00000000-5925.00000000 MHz	1 W	NON, 400KF2D
3626.00000000-3700.00000000 MHz	10 W	NON, (Note: only CW
carriers are used for high power testing)		
3626.00000000-3700.00000000 MHz	1 W	NON, 400KF2D, 400KG2D

Thank you,

Pete Collis  
Sr. RF I&T Engineer  
Orbital Sciences Corporation  
Space Systems Group  
Dulles, VA  
Ph: 703-948-8751

Dave  
DeTroye/ORBVA

05/22/2008 06:41  
PM

Pete Collis/ORBVA@Orbital

To

cc

Subject

Fw: FCC File # 0200-EX-PL-2008

Pete,

Can you please answer the mail on this as well.

Thanks,  
DDT

----- Forwarded by Dave DeTroye/ORBVA on 05/22/2008 06:41 PM -----

oetech@fccsun27w.  
fcc.gov

05/22/2008 10:46  
AM

detroye.dave@orbital.com

To

cc

Subject

FCC File # 0200-EX-PL-2008

(Embedded image  
moved to file:

pic26418.gif)Link  
to Federal  
Communications  
Commission Home  
Page

(Embedded image moved to file: pic27938.gif)Skip FCC  
Navigation LinksFCC Home | Search | Updates | E-Filing  
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Office of Engineering and Technology

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To: David DeTroye, Orbital Sciences  
Corporation

detroye.dave@orbital.com

From: John Kennedy  
John.Kennedy@fcc.gov

Applicant: Orbital Sciences Corporation  
File Number: 0200-EX-PL-2008  
Correspondence Reference Number: 6453  
Date of Original Email: 05/22/2008

Mr. David DeTroye,

Is a continuous wave (CW) or a digital signal to be used for the satellite subsystem testing? NON for continuous wave (CW) was reported as the emission symbols. If a digital signal is to be used in actuality, please report emission symbols that more accurately reflect the digital signal.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 05/22/2008 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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