

John Kennedy

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 N0N 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	N0N, 400KF2D
3626.00000000-3700.00000000 MHz	10 W	N0N, (Note: only CW
carriers are used for high power testing)		
3626.00000000-3700.00000000 MHz	1 W	N0N, 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
| Initiatives | For Consumers | Find People

(Embedded image moved to
file: pic06900.gif)

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Engineering and Technology
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(Embedded image moved to file: pic00467.gif)

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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