

John Kennedy

From: Pete Collis [Collis.Pete@orbital.com]
Sent: Wednesday, May 21, 2008 2:57 PM
To: John Kennedy
Cc: Dave DeTroye; Phillip Kiel
Subject: Re: FCC File # 0227-EX-PL-2008

Attachments: pic15006.gif; pic31101.gif; pic24393.gif; pic03548.gif; pic19629.gif; pic12623.gif; pic24084.gif



pic15006.gif (3 KB)



pic31101.gif (131 B)



pic24393.gif (131 B)



pic03548.gif (6 KB)



pic19629.gif (383 B)



pic12623.gif (131 B)



pic24084.gif (131 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:

13.75000000-14.80000000 GHz	0.03 W	NON, 400KF2D
17.30000000-21.20000000 GHz	350 kW	NON, (Note: only CW carriers are used for high power testing)
17.30000000-21.20000000 GHz	0.03 W	NON, 400KF2D, 400KG2D
24.75000000-25.25000000 GHz	0.03 W	NON, 400KF2D
27.00000000-31.00000000 GHz	0.03 W	NON, 400KF2D

Thank you,

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

Dave
DeTroye/ORBVA

05/21/2008 01:23 PM

Pete Collis/ORBVA@Orbital

To

cc

Subject

Fw: FCC File # 0227-EX-PL-2008

----- Forwarded by Dave DeTroye/ORBVA on 05/21/2008 01:23 PM -----

oetech@fccsun27w.
fcc.gov

05/21/2008 10:34
AM

detroye.dave@orbital.com

To
cc

Subject

FCC File # 0227-EX-PL-2008

(Embedded image moved to file: pic15006.gif)Link to Federal Communications Commission Home Page

(Embedded image moved to file: pic31101.gif)Skip FCC Navigation LinksFCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People
(Embedded image moved to file: pic24393.gif)

(Embedded image moved to file: pic03548.gif)Office of Engineering and Technology
(Embedded image moved to file: pic19629.gif)

Office of Engineering and Technology

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(Embedded image moved to file: pic12623.gif)

To: David DeTroye, Orbital Sciences Corporation

detroye.dave@orbital.com

From: John Kennedy

John.Kennedy@fcc.gov

Applicant: Orbital Sciences Corporation
File Number: 0227-EX-PL-2008
Correspondence Reference Number: 6450
Date of Original Email: 05/21/2008

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 05/21/2008 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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