

Approved by OMB
3060-0678

Date & Time Filed: Nov 23 2005 3:11:34:753PM
File Number: SAT-STA-20051123-00252
Callsign: S2372

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
LM RPS-1 STA for 133.25 WL

I. Applicant

Name:	Lockheed Martin Corporation	Phone Number:	301-897-6000
DBA Name:		Fax Number:	301-897-6142
Street:	6801 Rockledge Drive	E-Mail:	jennifer.warren@lmco.com
City:	Bethesda	State:	MD
Country:	USA	Zipcode:	20817 -
Attention:	Ms Jennifer A Warren		



File # SAT-STA-20051123-00252

Call Sign S2372 Grant Date 12/6/05
(or other identifier)

Term Dates
From 12/6/05 To: 1/5/06

Approved: [Signature]
Policy Branch Chief

Attachment

File No. SAT-STA-20051123-00252

Call Sign: S2372

December 6, 2005

Lockheed Martin Corporation's request for special temporary authority to perform testing of its LM-RPS1 payload at 133.25° W.L. for a period of 30 days IS GRANTED. Accordingly, Lockheed Martin Corporation is authorized to perform testing of its LM-RPS1 payload for the period of 30 days commencing with the date that the LM-RPS1 payload arrives at the 133.25° W.L. orbital location, in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Federal Communications Commission's Rules.

- 1) Lockheed Martin Corporation shall coordinate its operations so that no unacceptable interference shall be caused to any other lawfully operating satellites or radiocommunication systems, including, but not limited to, all existing Radionavigation Satellite Service (RNSS) satellites and the U.S. Global Positioning System (GPS) non-geostationary satellites.
- 2) In the event that any unacceptable interference does occur, Lockheed Martin Corporation shall cease operations immediately and inform the Commission in writing of such event.
- 3) Lockheed Martin Corporation is required to accept interference from other lawfully operating satellites or radiocommunication systems.
- 4) During the testing, Lockheed Martin Corporation shall operate the LM-RPS1 payload in compliance with all existing coordination agreements with U.S. government systems.
- 5) This action is used pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.



File # SAT-STA-20051123-00252

Call Sign S2372 Grant Date 12/6/05
(or other identifier)

Term Dates
From 12/6/05 To: + 30 days

Approved: [Signature]
Policy Branch Chief.

2. Contact

Name:	Stephen D. Baruch/David S. Keir	Phone Number:	(202) 429-8970
Company:	Leventhal Senter & Lerman PLLC	Fax Number:	(202) 293-7783
Street:	2000 K Street, N.W. Suite 600	E-Mail:	sbaruch@lsl-law.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:		Relationship:	Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SATLOA1999042700047 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
133.25 WL

7. Requested Extended Expiration Date

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Lockheed Martin requests an STA for a period of thirty (30) days commencing December 5, 2005 to conduct RNSS testing at 133.25 deg. W.L. See Attachment 1.

9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes No

10. Name of Person Signing
Jennifer A. Warren

11. Title of Person Signing
Senior Director, Trade & Regulatory Affairs

12. Please supply any need attachments.

Attachment 1: Attachment 1

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

EXPLANATION AND PUBLIC INTEREST STATEMENT

Lockheed Martin Corporation ("Lockheed Martin"), pursuant to Section 25.120 of the Commission's Rules (47 C.F.R. § 25.120), hereby requests Special Temporary Authority ("STA") to operate its RPS-1 space station at the 133.25° W.L orbital location for a period of 30 days, commencing on December 5, 2005. This temporary operation is necessitated by requirements relating to RPS-1's host spacecraft, Galaxy 15, the replacement satellite for Galaxy 1R.

As detailed in the separate STA request filed today by PanAmSat Corporation ("PanAmSat") to operate at 133.25° W.L., Galaxy 1R continues to operate at 133.0° W.L., and it is therefore necessary to station Galaxy 15 at an orbital location offset slightly from 133.0° W.L. on an interim basis. *See* FCC File No. SAT-STA-20051123-00251. Accordingly, PanAmSat is seeking to place Galaxy 15 temporarily at 133.25° W.L., and Lockheed Martin is requesting authority to operate at the same location. Authority to operate the RPS-1 space station commencing on December 5, 2005 is necessary to accommodate plans for additional testing of the RNSS payload. *See Lockheed Martin Corporation, DA 05-1747 (Int'l Bur., June 23, 2005) (FCC File No. SAT-LOA-19990427-00047).*

Lockheed Martin emphasizes that grant of the requested STA will present no risk of interference to other authorized users of the frequencies assigned to Lockheed Martin. There are several RNSS satellite networks and systems – including the U.S. Global Positioning System ("GPS") non-geostationary satellite orbit RNSS system – that currently operate on frequencies that overlap with RPS-1 in the 1565.17-1585.67 MHz band, and there is only one RNSS satellite network that currently operates on frequencies that overlap with RPS-1 in the 1166.20-1186.70 MHz band. Because RNSS systems and networks have ubiquitous coverage of the earth, there is a potential for interference from an RNSS network located at any given satellite orbital location. Lockheed Martin understands its obligation to coordinate its use of RNSS frequencies with all RNSS systems and networks potentially affected by its temporary operation at 133.25° W.L. In this regard, Lockheed Martin has apprised the GPS Joint Program Office on the temporary operation of RPS-1 at 133.25° W.L., and will undertake any further coordination necessary. It will do the same for any potentially affected non-U.S. RNSS networks.

PanAmSat is currently in the process of analyzing the fuel remaining on Galaxy 1R to determine when traffic at 133.0° W.L. will be transferred to Galaxy 15. The timing of that transition will dictate when RPS-1 will be ready for operation at the assigned 133° W.L. location.

Lockheed Martin's STA request is supported by good cause. Circumstances beyond its control dictate temporary operation at 133.25° W.L. until Galaxy 1R is moved from the 133° W.L. location. Grant of the request will enable Lockheed Martin to continue testing the RNSS capabilities of the facility and to prepare it for permanent operation at its assigned location.

For the foregoing reasons, Lockheed Martin respectfully requests an STA that enables it to operate its RPS-1 space station at the 133.25° W.L. orbital location for a period of 30 days beginning December 5, 2005.