E050350 SES-STA-20060126-00162 IB2006000246
Lockheed Martin Corporation

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu:
LM Brewster, WA Earth Sta. STA (for 1/25/06 Amendment)

1. 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		

Condition Attached

FEDERAL COMMUNICATIONS COMMISSION
GRANTED
International Bureau

File # SES-STA-20060126-00162
Call Sign E050350 Grant Date 1/31/06
(or other identifier)
Term Dates
From 2/1/06 To 4/1/06
Approved: Jeanette M. Spriggs

Attachment

Lockheed Martin Corporation
SES-STA-20060126-00162
E050350

CONDITION:

Based on the Clarification letter filed in the regular license application (File No. SES-LIC-20051123-01636), this grant is limited to the 6625.42 MHz band.

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.	E−Mail:	sbaruch@lsl−law.com
	Suite 600		
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20006 −
Attention:	Stephen D. Baruch/David S. Keir	**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 SESLIC2005112301636 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 CGX − Fixed Satellite Transmit/Receive Earth Station

5. Type Request

◉ Use Prior to Grant ○ Change Station Location ○ Other

6. Requested Use Prior Date 02/01/2006	
7. CityBrewster	8. Latitude (dd mm ss.s h) 48 8 44.4 N

9. State WA	10. Longitude (dd mm ss.s h) 119 41 33.5 W

11. Please supply any need attachments.

Attachment 1: Narrative Statement Attachment 2: Brewster 1-25-06 AMD Attachment 3: Brewster Freq. Coord

12. 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 seeks temporary authority to operate a new uplink frequency on its proposed Brewster, WA transmit/receive Earth station with its RPS-2 space station at 107.3 deg. W.L., for a period of up to sixty days prior to grant of the pending application, as amended. See Attachments and associated Exhibits.

13. 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

14. Name of Person Signing Jennifer A. Warren	15. Title of Person Signing Senior Director, Trade & Regulatory Affairs

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).

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FCC Form 312 - STA
Attachment
January 2006

EXPLANATION AND PUBLIC INTEREST STATEMENT

Lockheed Martin Corporation ("Lockheed Martin") has filed an application for permanent authority to operate a new transmit/receive earth station at Brewster, Washington (File No. SES-LIC-20051123-01636, as amended by SES-AMD-INTR2006-00243), which is proposed for permanent operation with its RPS−2 space station at 107.3° W.L. On December 15, 2005, the Commission granted Lockheed Martin's application for a special temporary authority ("STA") to operate the originally-proposed earth station prior to grant of the permanent application, for a sixty-day term that ends on February 15, 2006. *See* File No. SES-STA-20051202-01672. The amendment was filed on January 25, 2006.

In the instant application for an STA, Lockheed Martin seeks to modify the existing pre-operation STA to include pre-grant operation of the proposed earth station that is reflected in the application as amended. A reference copy of the January 25, 2006 amendment is included with this request. Lockheed Martin requests that the authority sought here be granted effective February 1, 2006 – which is more than three business days after the filing of this application.

The Telesat Anik F1R satellite on which the RPS-2 space station is hosted is in orbit and on station. The new uplink frequency Lockheed Martin proposes in the amendment to its pending Brewster earth station application is intended for use solely with the RPS-2 space station for both operational and telecommand/control links. Lockheed Martin has been operating the Brewster earth station with one uplink frequency pursuant to the STA granted in December 2005; however, Lockheed Martin now has an immediate need to operate the newly proposed frequency on the Brewster earth station to communicate with the RPS-2 space station to continue integration of the payload and earth station.

As part of the temporary, pre-grant use of the RNSS L-band receive and C-band transmit authority it requested in the amendment to the permanent application, Lockheed Martin will complete in-orbit testing of the RPS-2 payload, and integrate the payload with the earth station. In this connection, and to assure compatible operation with the GPS system, Lockheed Martin will, for the GPS L5 frequency, use a single carrier wave tone, either: (1) fixed in frequency centered at the GPS L5 spectrum center, or (2) swept across the GPS L5 frequency spectrum. The power to be transmitted is between 26.02 dBW and 18.02 dBW, except for a single test where the fixed frequency is at full power, 33.02 dBW. The contact point, who can cease transmissions if interference is detected in the GPS L5 frequency band, is Lockheed Martin employee Dan Heil, who can be contacted at (408) 348-0795. This same condition regarding the GPS L5 frequency band, which was the result of coordination with the operator of the GPS system, was imposed in the grant of a temporary authorization Lockheed Martin received in December 2005 in connection with an earth station that Lockheed Martin was then using for testing of its RPS-1 space station from the temporary location at 150° W.L. *See* File No. SES-STA-20011110-01549.

Lockheed Martin notes, as a final matter, that it will likely require an extension of its current STA for pre-grant operation of the earth station as originally proposed (i.e., the STA that expires on February 15, 2006). It would greatly simplify matters for both the Commission and Lockheed Martin if the Commission would renew the original STA (i.e., File No. SES-STA-20051202-01672) for a period coterminous with the new sixty-day STA requested here, and Lockheed Martin urges the Commission to take that course of action.

For all of the foregoing reasons, Lockheed Martin respectfully requests an STA permitting it to operate the newly- proposed uplink frequency on Brewster, Washington earth station, as now amended, with the RPS-2 space station at 107.3° W.L. for a period of up to sixty (60) days prior to grant of its pending application, as amended, for permanent authority. *See* 47 C.F.R. § 25.120(b)(3). Lockheed Martin requests that the authority it seeks herein be granted effective February 1, 2006. Lockheed Martin also requests the Commission to renew its current STA for the originally-proposed Brewster, Washington facility – which authority expires on February 15, 2005 – and make the renewal term coterminous with the newly-requested sixty-day STA.