

Date & Time Filed: Jul 16 2007 9:43:03:733AM
File Number: SAT-STA-20070716-00099
Callsign:

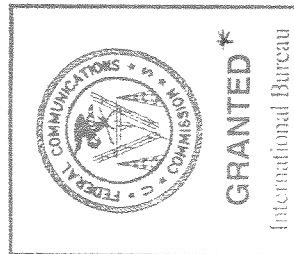
FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Request for Extension of Special Temporary Authority to Continue to Drift XM-1 to 85.2 WL

1. Applicant

Name:	XM Radio Inc.	Phone Number:	202-380-4000
DBA Name:		Fax Number:	202-380-4500
Street:	1500 Eckington Place, NE	E-Mail:	james.blitz@xmradio.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20002
Attention:	James S. Blitz		



File # SAT-STA-20070716-00099

Call Sign _____ Grant Date 07/26/07
(or other identifier)

Term Dates
From 08/06/07 To: 09/05/07

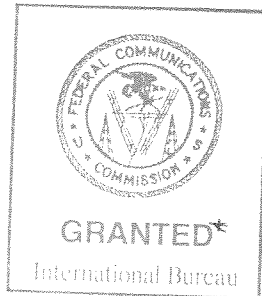
Approved: [Signature]
Chief, Satellite Policy Branch

* subject to conditions

XM Radio Inc.
IBFS File No. SAT-STA-20070716-00099

The request of XM Radio Inc. (XM Radio) for special temporary authority (STA), IS GRANTED for a period of 30 days, effective August 6, 2007. Accordingly, XM Radio is authorized to operate the Telemetry, Tracking, and Command (TT&C) payloads of the XM-1 satellite (Call Sign S2118) during the drift from the 115.1° W.L. orbital location to the 85.2° W.L. orbital location until September 5, 2007, subject to the technical specifications set forth in its application, the Commission's rules, and the following conditions:

1. XM Radio shall coordinate all drift orbit TT&C operations with other potentially affected in-orbit operators.
2. During relocation of the XM-1 satellite, operations via the XM-1 shall be on a non-harmful interference basis, *i.e.*, XM Radio shall not cause interference to, and shall not claim protection from interference caused to it by, any other lawfully operating satellites.
3. In the event that any harmful interference is caused as a result of XM Radio's operations during the relocation of the XM-1 satellite, XM Radio shall cease operations immediately upon notification of such interference and shall inform the Commission in writing immediately of such an event.



** subject to conditions*

File # SAT-STA-20070716-00099

Call Sign _____ Grant Date 07/26/07
(or other identifier)

Term Dates
From 08/06/07 To: 09/05/07

Approved: *[Signature]*
Chief, Satellite Policy Branch

2. Contact

Name: James S. Blitz **Phone Number:** 202-380-4000
Company: XM Satellite Radio Inc. **Fax Number:** 202-380-4500
Street: 1500 Eckington Place NE **E-Mail:** james.blitz@xmradio.com
City: Washington **State:** DC
Country: USA **Zipcode:** 20002 -
Attention: **Relationship:**

(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 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

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.)

XM Radio Inc. (XM) requests a renewal of its Special Temporary Authority (STA) for up to thirty (30) days to continue to drift XM-1 to the 85.2 WL orbital location. A previous extension was granted on May 8, 2007 (see File No. SAT-STA-20070223-00039).

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
James S. Blitz

11. Title of Person Signing
Vice President, Regulatory Counsel

12. Please supply any need attachments.

Attachment 1: Attachment A

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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

Attachment A

XM Radio Inc. (“XM”) hereby requests an extension of its Special Temporary Authority (“STA”), for up to thirty days, to complete the drift of XM-1 from the 115.1°W.L. orbital location to the 85.2°W.L. orbital location, where it has permanent authority to operate as an in-orbit spare.¹ XM’s STA expires on August 6, 2007, but XM, for the reasons stated herein, will not be able to complete the drift of XM-1 until approximately August 15, 2007. As explained below, XM submits that the public interest will be served by grant of this STA extension request.

XM had originally scheduled the drift of XM-1 to begin on July 5th but has now rescheduled the maneuver to begin July 16th. The two main reasons for changing the anticipated start date are that setting up the XM-1 pre-drift thermal configuration and the last steps in responding to the XM-3 temporary service outage also took longer than expected. The process of returning XM-3 to a routine operational condition has been ongoing since the service outage in May. The final step in this process was the restart of automatic stationkeeping control. Additional time was needed to get the satellite’s orbit and momentum in the proper condition prior to the restart automatic control, which occurred earlier this week. XM intends to use the additional time before the drift to rehearse in more depth the procedures for the initiation of the drift activities, along with rehearsing contingency procedures that cover certain potential anomaly situations.

Additionally, XM now intends to use a 30-day relocation burn plan rather than the original 20-day plan. This longer burn plan enables XM to be more conservative with

¹ Pursuant to STA granted August 15, 2006, File No. SAT-STA-20060501-00051, XM-1 has been temporarily located at 115.1°W.L. See File No. SAT-STA-20070223-00039 (May 1, 2007) (extending until August 6, 2007, XM’s authority to operate XM-1 at 115.1°W.L. and subsequently to drift XM-1 to 85.2°W.L.).

regard to avoidance of other in-orbit satellites, as well as providing XM better orbit control in all stages of the drift. The longer burn plan also ensures more robust telemetry coverage during the drift period. Since the public interest is best served by the safest possible transition of XM-1 to its authorized orbital location, the FCC should grant this STA extension request.

Section 304 Waiver. In accordance with Section 304 of the Communications Act of 1934, as amended, 47 U.S.C. § 304, XM hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise.

