

S2786 SAT-STA-20101118-00241 IB2010003544  
XM Radio Inc.  
XM-5

Date & Time Filed: Nov 18 2010 4:21:55:986PM  
File Number: SAT-STA-20101118-00241  
Callsign:

File # SAT-STA-20101118-00241  
Call Sign S2786 Grant Date 12/09/10  
(or other identifier)  
Term Dates period of  
From 11/26/10 To: 30 days  
Approved: *Stephen J. Duall*  
Stephen J. Duall  
Chief, Satellite Policy Branch

Approved by OMB  
3060-0678



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:  
XM-5 (Call Sign S2786) 30-Day STA Extension to complete drift

1. Applicant

Name:	XM Radio Inc.	Phone Number:	202-380-4000
DBA Name:		Fax Number:	202-380-4981
Street:	1500 Eckington Place, NE	E-Mail:	James.Blitz@siriusxm.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20002
Attention:	James S. Blitz		-

**Attachment to Grant**  
**Application of XM Radio Inc. for Special Temporary Authority**  
**IBFS File No. SAT-STA-20101118-00241**

The request of XM Radio Inc. (XM Radio) for special temporary authority (STA), File No. SAT-STA-20101118-00241, is granted for a period of up to 30 days, commencing on November 26, 2010, to continue to perform in-orbit testing (IOT) of the XM-5 space station (Call Sign S2786) at the 80° W.L. orbital location. Accordingly, XM Radio is authorized to conduct Telemetry, Tracking and Control (TT&C) operations to maintain XM-5 at the 80° W.L. orbital location using the 7056.8450-7074.8690 MHz (Earth-to-space) frequency band. Additionally, XM Radio is authorized to perform TT&C to drift XM-5 to the 80° W.L. orbital once the space station is in orbit, to support XM-5's operations while it is being tested at the 80° W.L. orbital location, and to drift XM-5 to its authorized orbital location of 85.2° W.L. upon completion of IOT, using the following frequencies: 2336.7, 2337.2, 2334.0, or 2342.5 MHz (space-to-Earth, Right Hand Circular Polarization), and 7043.0 MHz and 7074.0 MHz (Left Hand Circular Polarization). Finally, XM Radio is authorized to operate the communications payload for XM-5 in the 2332.5-2345.0 MHz (space-to-Earth) frequency band for purposes of IOT. This authorization is granted subject to the technical parameters specified in XM's application, the rules of the Federal Communication Commission (Commission), and the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., XM Radio shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations of XM -5 at the 80° W.L. orbit location or during drift to the 85.2° W.L. orbital location, XM Radio shall cease operations immediately upon notification of such interference and shall inform the Commission, in writing, immediately of such an event.
3. XM Radio's operations at 80° W.L. shall be limited to IOT operations and shall not include the provision of commercial services.
4. XM Radio shall coordinate its IOT and TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its IOT operations at the 80° W.L. orbital location or from its TT&C operations during the drift from 80 °W.L. to its assigned orbital location at 85.2° W.L.
5. During in-orbit testing, XM Radio shall maintain the XM-5 satellite within an east/west longitudinal station-keeping tolerance of  $\pm 0.05$  degrees of the 80° W.L. orbital location.
6. XM Radio is afforded 30 days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. 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.



\* With conditions

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Stephen J. Duall  
Chief, Satellite Policy Branch

<b>2. Contact</b>	
<b>Name:</b> Karis A. Hastings, Esq.	<b>Phone Number:</b> 202-637-5767
<b>Company:</b> Hogan Lovells US LLP	<b>Fax Number:</b> 202-637-5910
<b>Street:</b> 555 Thirteenth Street, NW	<b>E-Mail:</b> karis.hastings@hoganlovells.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20004 -1109
<b>Attention:</b>	<b>Relationship:</b>
(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 SATSTA2010091700194 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CRY - Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
	<input checked="" type="radio"/> Other
7. Requested Extended Expiration Date	
6. Temporary Orbit Location	2010-12-27 00:00:00.0

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. requests a 30-day extension of the STA granted on October 22 (File No. SAT-STA-20100917-01194) to permit completion of the drift of XM-5 (Call Sign S2786) to 85.2 W. L.

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: STA Request

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).

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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.**



**REQUEST FOR EXTENSION OF SPECIAL TEMPORARY AUTHORITY**

XM Radio Inc. (“XM Radio”) and Sirius XM Radio Inc. (“Sirius XM” and with XM Radio, the “Sirius XM Parties”), respectfully request a 30-day extension of space station and earth station special temporary authority (“STA”). Authority is requested to allow continued use of the XM Radio earth station (call sign E040204) and the Sirius XM earth station (call sign E080168), both in Ellenwood, Georgia, to perform Telemetry, Tracking and Control (“TT&C”) in order to drift the XM-5 space station (call sign S2786) to its assigned orbital location at 85.2° W.L. and maintain it there. In addition, XM Radio seeks authority to operate the XM-5 TT&C payload during and after completion of the drift.

XM Radio launched XM-5 on October 14, and the satellite is licensed to operate as an in-orbit spare at 85.2° W.L. The Commission previously granted STAs to allow in-orbit testing (“IOT”) of XM-5 to be conducted at 80° W.L. and to permit drift of the satellite from 80° W.L. to 85.2° W.L. following completion of IOT.<sup>1</sup> Testing of XM-5 has now been completed, and the spacecraft is currently moving toward 85.2° W.L. However, the satellite will not arrive at its destination prior to expiration of the current STAs. Accordingly, the Sirius XM Parties respectfully request extension of the STAs pursuant to the same terms and conditions.

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<sup>1</sup> See File Nos. SES-STA-20100917-01176 (Call Sign E040204) and SES-STA-20100917-01175 (Call Sign E080168), both grant-stamped Oct. 13 for 30-day period expiring Nov. 23; File No. SAT-STA-20100917-00194 (Call Sign S2786), grant-stamped Oct. 22, 2010 for 30-day period expiring Nov. 25.