

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
E040204 STA for FM-6 LEOP and IOT

1. Applicant

<b>Name:</b>	XM Radio LLC	<b>Phone Number:</b>	202-380-1383
<b>DBA Name:</b>		<b>Fax Number:</b>	202-380-4981
<b>Street:</b>	1221 Avenue of the Americas 36th Floor	<b>E-Mail:</b>	james.blitz@siriusxm.com
<b>City:</b>	New York	<b>State:</b>	NY
<b>Country:</b>	USA	<b>Zipcode:</b>	10020 -
<b>Attention:</b>	James S Blitz		



File# SES-STA-20120119-00078

Call Sign E040204 Grant Date 02/21/2012  
(or other identifier)

Term Dates  
From 02/21/2012 To: 03/21/2012

Approved: Paul E. Rhee

XM Radio LLC  
SES-STA-20120119-00078  
E040204  
Special Temporary Authority

XM Radio LLC is granted, under the following conditions, Special Temporary Authority for 30 days, from February 21, 2012 through March 22, 2012 to use its earth station in Ellenwood, Georgia to provide Launch and Early Orbit Phase (LEOP) and In Orbit Testing services to FM-6 satellite at orbit location 120.50° W.L. Upon completion of testing, the FM-6 satellite will be relocated to its assigned orbital location 116.15° W.L.

1. Uplink to FM-6 on: 7051.5 – 7052.5 MHz, 7055.5 – 7056.5 MHz, 7060.0 – 7064.5 MHz, 7068.0 – 7072.5 MHz.
2. Downlink from: 2320.0 – 2332.5 MHz.
3. XM Radio LLC will not exceed the previously-coordinated parameters during the proposed testing and will not cause harmful interference to the operations of any other spacecraft and authorized terrestrial operations. XM Radio LLC will cease transmissions promptly in the event any harmful interference is caused by such operations. XM Radio LLC must immediately terminate transmissions and notify the FCC in writing.
4. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

*30 days "with condition"*



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*From 02/21/2012 To: 03/22/2012*

*Approved: Paul E. Hester*

**Sirius XM Radio Inc. and XM Radio LLC  
Request For Special Temporary Authority  
For Earth Stations with Call Signs E080168 and E040204  
To Provide LEOP and IOT Services for the FM-6 Satellite**

Sirius XM Radio Inc. and XM Radio LLC (collectively “Sirius XM”) herein requests a grant of Special Temporary Authority (“STA”) for 30 days, from February 21, 2012 through March 22, 2012, to use the S- and X-band antennas on its Ellenwood, Georgia earth stations (call signs E080168 and E040204) to provide launch and early orbit phase (“LEOP”) services to, and in orbit testing (“IOT”) of, its FM-6 satellite (call sign S2812). Sirius XM expects to launch the FM-6 satellite on February 21, 2012, perform LEOP, position the satellite at an orbital location of 120.5° W.L., and perform IOT at this location. Upon completion of testing, the FM-6 satellite will be relocated to the 116.15° W.L. orbital location, its assigned operating position.

Sirius XM will conduct LEOP and IOT operations for FM-6 in the satellite’s authorized frequency bands. More specifically, the Ellenwood, GA earth stations will use the following frequencies:

2320.0 – 2332.5 MHz (downlink)  
7051.5 – 7052.5 MHz (uplink)  
7055.5 – 7056.5 MHz (uplink)  
7060.0 – 7064.5 MHz (uplink)  
7068.0 – 7072.5 MHz (uplink)

Grant of this STA will serve the public interest by ensuring the safe launch of FM-6. It will also facilitate entry into operation of the FM-6 satellite. Approval of this STA is the final required regulatory step.

Moreover, grant of this request will not cause harmful interference to other satellite operators. Sirius XM won exclusive satellite rights to the SDARS 2.3 GHz spectrum at auction and will coordinate internally its LEOP and IOT operations with its other in-orbit satellites. No other satellite operators will be affected by Sirius XM’s use of these LEOP and IOT frequencies.

Similarly, grant of this request will not cause harmful interference to existing or proposed terrestrial facilities operating in the X-band. As shown in the attached Frequency Coordination and Interference Analysis Reports prepared by Comsearch, Sirius XM has coordinated its proposed use of its Ellenwood, GA earth stations with all existing or proposed terrestrial facilities operating in the shared 7 GHz frequency band, including national licensees. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth stations, Sirius XM will take all reasonable steps to eliminate the interference.

In light of the above, Sirius XM respectfully requests Commission approval of this STA request.

**2. Contact**

<b>Name:</b>	Jennifer D. Hindin	<b>Phone Number:</b>	202-719-4975
<b>Company:</b>	Wiley Rein LLP	<b>Fax Number:</b>	202-719-7049
<b>Street:</b>	1776 K Street, NW	<b>E-Mail:</b>	jhindin@wileyrein.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20006 -2398
<b>Attention:</b>		<b>Relationship:</b>	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 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

7. City Ellenwood

8. Latitude

(dd mm ss.s h) 33 39 51.0 N

9. State GA	10. Longitude (dd mm ss.s h) 84 16 24.0 W
11. Please supply any need attachments. Attachment 1: FrequencyCoordinatio      Attachment 2: Narrative      Attachment 3:	
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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">XM Radio LLC requests special temporary authority to use its Ellenwood, Georgia earth station with call sign E040204 to provide launch and early orbit phase services to, and in orbit testing of, the FM-6 satellite.</div>	
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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing James S. Blitz	15. Title of Person Signing V.P., Regulatory Counsel
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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