

E080185 SES-STA-20141009-00792 IB2014002027  
Sirius XM Radio Inc.

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
E080185 Vernon, NJ STA for FM-6 Drift

1. Applicant

<b>Name:</b>	Sirius XM Radio Inc.	<b>Phone Number:</b>	202-380-4000
<b>DBA Name:</b>		<b>Fax Number:</b>	202-380-4500
<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>	Mr. James S. Blitz		


*with conditions*

*File # SES-STA-20141009-00792*  
*E080185*

**Call Sign** \_\_\_\_\_ **Grant Date** 11-6-14  
(or other identifier)

**Term Dates**  
**From** 11-10-14 **To:** 12-10-14

**Approved:** *Paul E. Blach*  
International Bureau



**GRANTED**  
International Bureau

Applicant: Sirius XM Radio Inc.  
File No: SES-STA-20141009-00792  
Call Sign: E080185  
Special Temporary Authority (STA)

Sirius XM Radio Inc. is granted STA to operate its earth station, Call Sign E080185, in Vernon, New Jersey for 30 days, to begin November 10, 2014 to provide telemetry, tracking and control to drift the FM-6 satellite to its assigned orbital location, 116.15°.

1. Uplink to FM-6 on: 7051.5 - 7052.5 MHz and 7055.5 - 7056.5 MHz (command), 7060.0 - 7072.5 MHz.
2. Downlink from: 2320.0 - 2332.5 MHz (service transmissions and telemetry).
3. Sirius XM Radio Inc. 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. Sirius XM Radio will cease transmissions promptly in the event any harmful interference is caused by such operations. Sirius XM Radio must immediately terminate transmissions and notify the FCC in writing.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Sirius XM Radio Inc.'s own risk.
5. 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.



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Call Sign E080185 Grant Date 11-6-14  
(or other identifier)  
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From 11-10-14 To: 12-10-14  
Approved: Paul E. Giles

<b>2. Contact</b>			
<b>Name:</b>	Karis A. Hastings	<b>Phone Number:</b>	202-599-0975
<b>Company:</b>	SatCom Law LLC	<b>Fax Number:</b>	
<b>Street:</b>	1317 F Street, N.W., Suite 400	<b>E-Mail:</b>	karis@satcomlaw.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20004 -
<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?			
<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 CGX - Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other			
6. Requested Use Prior Date			
7. City Vernon			
8. Latitude (dd mm ss.s h) 41 12 45.0 N			

9. State NJ	10. Longitude (dd mm ss.s h) 74 29 39.0 W
11. Please supply any need attachments. Attachment 1: STA Narrative Attachment 2: 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.) Sirius XM Radio Inc. requests special temporary authority for 30 days beginning on November 12, 2014, to use its Vernon, New Jersey earth station (call sign E080185) to provide telemetry, tracking and control to drift the FM-6 satellite (call sign S2812) to its assigned orbital location.	
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"; party to the application; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing James S. Blitz	15. Title of Person Signing Vice President, 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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**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 SPECIAL TEMPORARY AUTHORITY

Sirius XM Radio Inc. (“Sirius XM”) hereby requests special temporary authority (“STA”) for a period of 30 days commencing on November 12, 2014, to permit its Ellenwood, Georgia earth station (Call Sign E080168) and its Vernon, New Jersey earth station (Call Sign E080185) to provide telemetry, tracking and control (“TT&C”) to drift the FM-6 satellite from 120.5° W.L., where the satellite has been undergoing in-orbit testing, to its assigned orbital location, 116.15° W.L. Satellite CD Radio, a subsidiary of Sirius XM, is the licensee for FM-6 and has been authorized to relocate the satellite following the completion of testing.<sup>1</sup> Grant of the requested earth station STAs will serve the public interest by facilitating the repositioning of FM-6 so that the spacecraft can commence regular operations to provide satellite digital audio radio service (“SDARS”) to customers.

Sirius XM will conduct TT&C operations for FM-6 in the satellite’s authorized bands:

Command: 7052.0 MHz and 7056.0 MHz

Telemetry: 2321.5 MHz, 2322.0 MHz, 2330.5 MHz, and 2331.0 MHz

Both the E080168 and E080185 earth stations are authorized to communicate with FM-6 at its assigned 116.15° W.L. orbital location, and E080185 is currently being used to support the in-orbit testing of FM-6 at 120.5° W.L. pursuant to an existing STA.<sup>2</sup> The licenses

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<sup>1</sup> See *Satellite CD Radio LLC*, Call Sign S2812, File Nos. SAT-STA-20130701-00091, grant-stamped Sept. 19, 2013 (authorizing testing of FM-6 at 120.5° W.L. and relocation to 116.15° W.L. following the completion of testing); SAT-STA-20140523-00054, grant-stamped July 10, 2014 (extending authority granted in SAT-STA-20130701-00091 for an additional 180 days).

<sup>2</sup> See *Sirius XM Radio Inc.*, Call Sign E080185, File Nos. SES-STA-20130701-00561, grant-stamped Sept. 27, 2013 (authorizing use of E080185 to perform in-orbit testing of FM-6 at

for E080168 and E080185 authorize these earth stations to operate in the FM-6 TT&C frequencies, and the proposed operations will conform to the power levels and other technical parameters specified in the existing licenses. The only reason additional authority is required here is to authorize the earth stations to communicate with FM-6 while it is being drifted to its assigned location.

Grant of the requested STAs to support the FM-6 drift will not result in harmful interference to other authorized communications systems. Sirius XM holds exclusive rights to the S-band SDARS frequencies used for telemetry. Sirius XM will coordinate the FM-6 TT&C operations internally to ensure that no interference is caused to any of the company's other in-orbit satellites. No other satellite operators will be affected by the proposed use of these telemetry frequencies.

Similarly, grant of this request will not cause harmful interference to existing or proposed terrestrial facilities operating in the X-band frequencies. Operations of both E080168 and E080185 have been fully coordinated in the X-band with terrestrial users. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Sirius XM will take all reasonable steps to eliminate the interference.