

SAT-STA-20110909-00175 IB2011004223
SIRIUS XM RADIO INC.

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File Number: SAT-STA-20110909-00175
Callsign:

File # SAT-STA-20110909-00175

Call Sign (or other identifier) Grant Date 11/02/11

Term Dates see To: conditions

Approved: Stephen J. Duall

From 09/20/11

Stephan J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678



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 Blanket Special Temporary Authority to Operate Terrestrial Repeaters at Various Locations for 180 Days

I. Applicant

Name:	Sirius XM Radio Inc.	Phone Number:	212-584-5100
DBA Name:		Fax Number:	212-584-5353
Street:	1221 Avenue of the Americas 36th Floor	E-Mail:	
City:	New York	State:	NY
Country:	USA	Zipcode:	10020
Attention:	Patrick L. Donnelly		

Attachment to Grant
Sirius XM Radio Inc.
IBFS File No. SAT-STA-20110909-00175

Special temporary authority (STA) is granted to Sirius XM Radio Inc. (Sirius XM), for a period of 180 days, commencing September 20, 2011, to continue to operate up to 1000 Satellite Digital Audio Radio Service (SDARS) terrestrial repeaters on each of the Sirius XM and XM networks in the 2320-2345 MHz frequency band. Each repeater is authorized to operate with an average effective isotropically radiated power (EIRP) of between 2 watts and 12 kilowatts at various locations throughout the United States. This authorization is granted according to the technical parameters specified in Sirius XM's application and is subject to the conditions below.

1. Any actions taken as a result of this STA are solely at the applicant's own risk.
2. SDARS terrestrial repeaters shall operate at a power level less than or equal to 12 kW EIRP (average), with a maximum peak-to-average power ratio of 13 dB.
3. Any SDARS terrestrial repeater operating at a power level greater than 2-watt average EIRP is required to attenuate its out-of-band emissions below the transmitter power P by a factor of not less than $90 + 10 \log (P)$ dB in a 1-megahertz bandwidth outside the 2320-2345 MHz band, where P is average transmitter output power in watts.
4. Sirius XM shall, before deploying any new, or modifying any existing, terrestrial repeater, notify potentially affected WCS licensees pursuant to the procedure set forth in Section 25.263, as adopted in *Amendment of Part 27 of the Commission's Rules to Govern the Operation of Wireless Communications Services in the 2.3 GHz Band; Establishment of Rules and Polices for the Digital Audio Radio Satellite Service in the 2310-2360 MHz Frequency Band*, Report and Order and Second Report and Order, WT Docket No. 07-293; IB Docket No. 95-91, 25 FCC Rcd 11710 (2010), *petitions for recon. pending*.
5. SDARS terrestrial repeaters are restricted to the simultaneous retransmission of the complete programming, and only that programming, transmitted by the SDARS licensee's satellite(s) directly to the SDARS licensee's subscribers' receivers, and may not be used to distribute any information not also transmitted to all subscribers' receivers.
6. Operators of SDARS terrestrial repeaters are prohibited from using repeaters to retransmit different transmissions from a satellite to different regions within that satellite's coverage area.
7. The SDARS terrestrial repeaters must meet all applicable requirements in part 1, subpart I, and part 17 of the Commission's rules. Operators of SDARS terrestrial repeaters must maintain demonstrations of compliance with part 1, subpart I, of this chapter and make such demonstrations available to the Commission upon request within three business days.
8. The SDARS terrestrial repeaters must comply with all requirements of all applicable international agreements.
9. This STA expires after 180 days, or on the date that permanent authority to operate the covered repeater operations becomes effective, whichever occurs first.
10. Sirius XM is granted 30 days from the date of the release of this authorization to decline the

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authorization as conditioned. Failure to respond within that period will constitute formal acceptance of the authorization as conditioned.

11. This action is taken on delegated authority pursuant to 47 C.F.R. § 0.261 and is effective upon release. Petitions for reconsideration under 47 C.F.R. § 1.106 or applications for review under 47 C.F.R. § 1.115 may be filed within 30 days of the date of the Public Notice announcing this action.



*with conditions

File # SAT-STA-20110909-06175

Call Sign _____ Grant Date 11/02/11

(or other identifier)

Term Dates see

From 09/20/11

To: conditions

Approved: _____

Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact			
Name:	James S. Blitz	Phone Number:	202-380-4000
Company:	Sirius XM Radio Inc.	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:		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 SATSTA2011012800018 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 CXW - Space Station (Non-Geostationary)			
5. Type Request			
<input type="radio"/> Change Station Location		<input checked="" type="radio"/> Extend Expiration Date	
		<input type="radio"/> 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.)

Sirius XM Radio Inc. requests extension of blanket special temporary authority to operate terrestrial repeaters at various locations for 180 days. Absent renewal, this STA will expire on September 19, 2011.

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).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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.



Sirius XM Radio Inc.
1500 Eckington Place NE
Washington, DC 20002

T: 202-380-1383
F: 202-380-4981

siriusxm.com

September 9, 2011

Via IBFS

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

**Re: Sirius XM Radio Inc.
Request for Extension of Blanket Special Temporary Authority to Operate
Terrestrial Repeaters at Various Locations for 180 Days
FCC File No. SAT-STA-20110128-00018**

Dear Ms. Dortch:

Pursuant to Section 25.120(b)(2) of the Commission's rules, 47 C.F.R. § 25.120(b)(2), Sirius XM Radio Inc. ("Sirius XM"), the satellite radio licensee in the Satellite Digital Audio Radio Service ("SDARS"), hereby requests extension of blanket Special Temporary Authority ("STA") to operate terrestrial repeaters. Sirius XM requests extension of the blanket STA listed above to operate these repeaters in the Sirius frequency band (2320-2332.5 MHz) and the XM frequency band (2332.5-2345 MHz) at various locations across the United States, for a period of 180 days or until the Commission issues a blanket license for these repeaters pursuant to 47 C.F.R. § 25.144(e), whichever occurs first. Absent renewal, this STA will expire on September 19, 2011.¹

The Commission's May 20, 2010 decision adopting rules for satellite radio terrestrial repeaters established mechanisms to facilitate the continued operation of repeaters under STA until the new rules are fully in effect.² One of those procedures authorizes the Bureau "to continue to grant STAs for new or modified repeaters ... [until] any permanent authorization to operate SDARS repeaters becomes effective." *See id.*, Para. 264. However, the Commission may not implement the permanent licensing authority afforded by the *2010 Order* until after it announces

¹ Because this request is timely, pursuant to Section 1.62 of the Rules, the listed STAs will continue in effect without further action by the Commission until such time as the Commission shall make a final determination with respect to this request. *See* 47 C.F.R. § 1.62.

² Amendment of Part 27 of the Commission's Rules to Govern the Operation of Wireless Communications Services in the 2.3 GHz Band; Establishment of Rules and Polices for the Digital Audio Radio Satellite Service in the 2310-2360 MHz Frequency Band, Report and Order and Second Report and Order, 25 FCC Rcd 11710, at Para. 264 (2010) (the "*2010 Order*").

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the effective date of the new rules following their approval by the Office of Management and Budget. No such announcement has yet been issued.³

The instant application will further reduce administrative burdens and facilitate the construction and use of terrestrial repeaters by authorizing the operation of all Sirius XM network repeaters not covered by an existing STA, until such time as the Commission grants a blanket license for Sirius XM repeaters pursuant to Section 25.144 of the Rules, 47 C.F.R. § 25.144. Each repeater authorized under this STA will comply with the new repeater rules as adopted in the *2010 Order*, including the requirements of new Sections 25.202, 25.214, and 25.263 of the Rules, 47 C.F.R. §§ 25.202, 25.214, and 25.263. This STA will not authorize operation of any repeaters that would require “site-by-site” licensing under Section 25.144(e)(9), 47 C.F.R. § 25.144(e)(9).

Sirius XM has operated within the scope of this STA and is not herein requesting modification of any of its parameters. Renewing this STA will serve the public interest by assisting the Bureau to implement the Commission’s directive in the *2010 Order* concerning STA new or modified repeaters and will enable Sirius XM to continue to provide a quality signal to its subscribers at various locations across the United States. During the time Sirius XM has operated under the referenced STA, Sirius XM has not been made aware of any incidents where the equipment has caused interference to other radio services.

Sirius XM will continue to comply with the conditions the Commission imposed in granting the STA to operate the repeaters. These conditions and the technical parameters of the repeaters have provided sufficient protection to other radio services.

Sirius XM is submitting payment to the Federal Communications Commission in the amount of Two Thousand Eight Hundred Sixty Dollars (\$2860.00) -- the filing fee applicable to requests for STAs for non-geostationary (“NGSO”) satellites.⁴

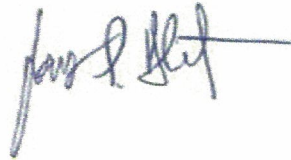
³ See 75 Fed. Reg. 45058, 45058 (Aug. 2, 2010).

⁴ See International and Satellite Services Fee Filing Guide (February 2009).

Ms. Marlene H. Dortch
September 9, 2011
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Please direct any questions regarding this matter to the undersigned.

Very truly yours,

A handwritten signature in blue ink, appearing to read "James S. Blitz", with a long horizontal stroke extending to the right.

James S. Blitz
Vice President, Regulatory Counsel

cc: Stephen Duall, FCC International Bureau
Jay Whaley, FCC International Bureau
Sankar Persaud, FCC International Bureau