

File # SAT-STA-20101008-00212
 Call Sign _____ Grant Date 12/15/10
 (or other identifier)
 Term Dates see conditions
 From 12/15/10 To: _____
 Approved: *Stephen J. Duall*

Approved by OMB
 3060-0678



Date & Time Filed: Oct 8 2010 4:04:25:160PM
 File Number: SAT-STA-20101008-00212
 Callsign:

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:
 Request for Bulk Extension of Special Temporary Authority to Operate Terrestrial Repeaters at Various Locations for 180 Days

1. Applicant

Name:	XM Radio Inc.	Phone Number:	212-584-5100
DBA Name:		Fax Number:	212-584-5353
Street:	1500 Eckington Place, NE	E-Mail:	
City:	Washington	State:	DC
Country:	USA	Zipcode:	20002
Attention:	Patrick L. Donnelly		

Application of XM Radio Inc. for Special Temporary Authority
IBFS File No. SAT-STA-20101008-00212

Special temporary authority (STA) is granted to XM Radio Inc. (XM Radio), for a period of 180 days, to continue to operate Satellite Digital Audio Radio Service (SDARS) terrestrial repeaters that were previously authorized to operate under multiple separate grants of special temporary authority, as listed in XM Radio's application. This grant will not change the previously authorized technical parameters of the repeaters, each of which will operate with an effective isotropically radiated power of less than 12,000 watts (average) at various locations throughout the United States. This authorization is granted according to the technical parameters specified in XM Radio'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. This STA shall not prejudice the outcome of the final rules adopted by the Commission in IB Docket No. 95-91.
2. 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.
3. Coordination of the operations of the terrestrial repeaters shall be completed with all affected Administrations prior to operation, in accordance with all applicable international agreements including those with Canada and Mexico.
4. The terrestrial repeaters shall comply with Part 17 of the Commission's rules – Construction, Marking, and Lighting of Antenna Structures.
5. The terrestrial repeaters shall comply with Part 1 of the Commission's rules, Subpart I – Procedures Implementing the National Environmental Policy Act of 1969, including the guidelines for human exposure to radio frequency electromagnetic fields as defined in Sections 1.1307(b) and 1.1310 of the Commission's rules.
6. 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. Any SDARS terrestrial repeater operating at a power level equal to or less 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 $75 + 10 \log (P)$ dB in a 1-megahertz bandwidth outside the 2320-2345 MHz band, where P is average transmitter output power in watts..
7. This STA expires after 180 days, or on the date that permanent authority to operate the covered repeater operations becomes effective, whichever occurs first.
8. XM Radio is granted 30 days from the date of the release of this authorization to decline the authorization as conditioned. Failure to respond within that period will constitute formal acceptance of the authorization as conditioned.
9. 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.



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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:	Same
(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 checked="" 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 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.)

XM Radio Inc. requests bulk extension of Special Temporary Authority (STA) grants listed in Exhibit A to operate multiple terrestrial repeaters at various locations across the United States for 180 days. Absent renewal, these STAs will expire on the dates listed in Exhibit A.

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: Extension 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.

SIRIUS XM

RADIO INC.

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Washington, D.C. 20002
Tel: 202-380-4000
Fax: 202-380-4500
www.sirius.com www.xmradio.com

October 8, 2010

Via IBFS

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

**Re: XM Radio Inc.
Request for Bulk Extension of Special Temporary Authority to Operate
Terrestrial Repeaters at Various Locations for 180 Days**

Dear Ms. Dortch:

Pursuant to Section 25.120(b)(2) of the Commission's rules, 47 C.F.R. § 25.120(b)(2), XM Radio Inc. ("XM"), a satellite radio licensee in the Satellite Digital Audio Radio Service ("SDARS"), hereby requests extension of multiple grants of Special Temporary Authority ("STA") to operate terrestrial repeaters. XM requests extension of the STA grants listed in Exhibit A to operate these repeaters in 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, these STAs will expire on the dates indicated in Exhibit A.¹

The Commission's May 20, 2010 decision adopting formal rules for satellite radio terrestrial repeaters established mechanisms to facilitate the continued operation of repeaters under STA until the new rules were fully in effect, including directing the staff to provide a uniform expiration date for all such STAs:

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.

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In order to effect an orderly transition from operations under grants of STA to permanent authority to operate terrestrial repeaters, we instruct the International Bureau to extend all existing grants of STA for SDARS repeaters for a period of 180 days from the release date of this *Second Report and Order*.²

The instant application asks that the Bureau grant the bulk STA extension contemplated in the *May 20 Order*.³ To further the Commission's goals in the *May 20 Order*, Exhibit A lists not only XM's repeater STAs that will expire in the next 180 days, but also several STAs that are already the subject of other pending extension applications. Incorporating the pending extension applications into the instant application will facilitate the STA process going forward by establishing a consistent expiration date for many of XM's repeater STA grants.

XM currently operates these repeaters pursuant to multiple STAs granted by the International Bureau between July 7, 2010 and September 15, 2010. XM has not changed technical parameters for the repeaters since the original grants of the STAs and is not herein requesting modification of any of those parameters. Renewing these STAs will serve the public interest by assisting the Bureau to implement the Commission's directive in the *May 20 Order* concerning STA extensions and will enable XM to continue to provide a quality signal to its subscribers at various locations across the United States.

During the time the referenced STAs have been operating, XM has not been made aware of any incidents where the equipment has caused any interference to other radio services. None of these repeaters will exceed 12 kw average EIRP, which is the maximum power level the Commission permits in its new rules for satellite radio terrestrial repeaters.⁴

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, FCC 10-82, at Para. 264 (released May 20, 2010) (the "*May 20 Order*"). The *May 20 Order* also allows Sirius XM to request further 180 day extensions of this initial 180 day automatic extension "[i]n the event blanket licenses are not issued within 180 days of the effective date of this Order." *Id.*, note 615. The Commission cannot grant these blanket licenses until after the new rules have been approved by the Office of Management and Budget, which has not yet occurred. *See* 75 Fed. Reg. 45058, 45058 (Aug. 2, 2010).

³ A similar Request for Bulk STA Extension is being filed for the terrestrial repeater STA grants issued to Sirius XM Radio Inc.

⁴ 47 C.F.R. § 25.214(d)(1). The Commission concluded in the *May 20 Order* "that SDARS terrestrial repeaters can operate at an average EIRP of 12 kw with maximum PAPR of 13 dB without causing harmful interference to WCS base station receivers." *Id.* at Para. 243.

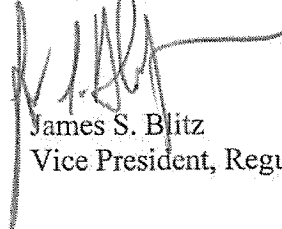
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XM will continue to comply with the conditions the Commission imposed in granting the referenced STAs to operate these repeaters. These conditions and the technical parameters of the repeaters have provided sufficient protection to other radio services.

XM is submitting payment to the Federal Communications Commission in the amount of Eight Hundred Thirty Dollars (\$830.00) -- the filing fee applicable to requests for STAs for geostationary ("GSO") satellites.⁵

Please direct any questions regarding this matter to the undersigned.

Very truly yours,



James S. Blitz
Vice President, Regulatory Counsel

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

⁵ See International and Satellite Services Fee Filing Guide (February 2009).

Exhibit A

File Number	Grant Date	Term/Expiration Date
SAT-STA-20100415-00078	7/7/2010	5/05/2010 to 11/01/2010
SAT-STA-20100611-00129*	7/22/2010	6/14/2010 to 12/11/2010
SAT-STA-20100610-00126*	8/4/2010	6/14/2010 to 12/11/2010
SAT-STA-20100623-00142*	8/23/2010	8/23/2010 to 2/19/2011
SAT-STA-20100503-00091*	9/1/2010	5/06/2010 to 11/06/2010
SAT-STA-20090904-00094	9/15/2010	9/15/2010 to 11/14/2010
SAT-STA-20100503-00090*	Pending	11/09/2009 to 5/08/2010**
SAT-STA-20100907-00190*	Pending	3/12/2010 to 9/08/2010**
SAT-STA-20100928-00202*	Pending	4/06/2010 to 10/03/2010**
SAT-STA-20100923-00201*	Pending	3/31/2010 to 9/27/2010**
SAT-STA-20100923-00200	Pending	8/27/2010 to 9/26/2010**

* STA is also listed on a similar Request for Bulk Extension of Special Temporary Authority that is being filed for the terrestrial repeater STA grants issued to Sirius XM Radio Inc. This STA requests authority for one or more repeaters that operate in both the Sirius and XM frequency bands.

** Prior STA term