

SAT-STA-20080701-00139

IB2008001584

XM Radio Inc.

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Callsign:

File # SAT-STA-20080701-00139
Call Sign (or other identifier) Grant Date 09/15/10
Term Dates see To: conditions
From 09/15/10
Approved: Stephen J. Duall

Approved by OMB
3060-0678



Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

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 Extension of STA to Operate Substitute Low Power Terrestrial Repeaters in Pittsburgh, PA and Philadelphia, PA

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@xmradio.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 Nos. SAT-STA-20020311-00049, SAT-STA-20030325-00056, SAT-STA-20031219-00373, SAT-STA-20050307-00056, SAT-STA-20070706-00095, SAT-STA-20070706-00096, SAT-STA-20080303-00056, SAT-STA-20080701-00139, SAT-STA-20081002-00196, SAT-STA-20081218-00234

Special temporary authority (STA) is granted to XM Radio Inc. (XM), for a period of 180 days, to continue to operate previously authorized terrestrial repeaters for use in the 2320-2345 MHz frequency band, as set forth in the above-referenced applications. This authorization is granted according to the technical parameters specified in these applications and is subject to the conditions below.

1. Any actions taken as a result of these STAs are solely at the applicant's own risk. These STAs 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. These STAs expire after 180 days, or on the date that permanent authority to operate the covered repeater operations becomes effective, whichever occurs first.

8. XM 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.



*with conditions

File # see above
Call Sign _____ Grant Date 09/15/10
(or other identifier) _____
Term Dates see
From 09/15/10 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: XM Satellite Radio Inc.	Fax Number: 202-380-4981
Street: 1500 Eckington Place NE	E-Mail: james.blitz@xmradio.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 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
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. (XM) requests extension of special temporary authority (STA) granted on January 11, 2008 (File No. SAT-STA-20071012-00140) to operate substitute low power terrestrial repeaters (less than 2 kW EIRP) in Pittsburgh, PA and Philadelphia, PA.

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.



XM SATELLITE RADIO

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July 1, 2008

Via IBFS

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

**Re: XM Radio Inc.
Renewal of Special Temporary Authority to Operate Substitute Low
Power Repeaters in Pittsburgh, Pennsylvania and Philadelphia, PA
File No. SAT-STA-20071012-00140**

Dear Ms. Dortch:

Pursuant to Section 25.120 of the Commission's Rules,¹ XM Radio Inc. ("XM Radio") hereby requests renewal of the above-referenced Special Temporary Authority ("STA") to operate substitute low power terrestrial repeaters with an Effective Isotropically Radiated Power ("EIRP") of less than 2000 watts in Pittsburgh, Pennsylvania and Philadelphia, Pennsylvania (the "Substitute Repeaters"). Absent renewal, this STA is scheduled to expire on July 9, 2008. XM Radio requests that the Commission renew this STA for a period of 180 days or until the Commission issues a blanket license for the Substitute Repeaters. Because this request is timely, XM Radio understands that, pursuant to Section 1.62 of the Rules, this STA 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.²

XM Radio currently operates the Substitute Repeaters in its licensed frequency band (2332.5-2345 MHz) pursuant to the STA granted by the International Bureau on September 14, 2007. XM Radio has not changed technical parameters for the Substitute Repeaters since the original grant of the STA and is not herein requesting modification of any of those parameters.

Renewing this STA will serve the public interest by allowing XM Radio to continue to provide a clear signal for reception by SDARS receivers in Pittsburgh and Philadelphia. As XM Radio noted in its original request, the Substitute Repeaters are needed to supplement service to areas in Pittsburgh and Philadelphia. The original

¹ See 47 C.F. R. § 25.120.

² See 47 C.F.R. § 1.62.

Ms. Marlene H. Dortch
July 1, 2008
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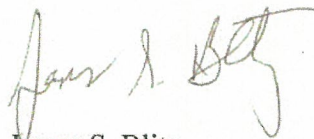
repeater servicing the Pittsburgh area was decommissioned by XM in December 2007. The original repeater servicing the Philadelphia area was decommissioned by XM in July 2005.

XM Radio has been using the Substitute Repeaters authorized under this STA for 180 days and is not aware of any incidents where they have caused any interference to other radio services. XM Radio emphasizes that the Substitute Repeaters operate at a power level of less than 2000 watts and at a level which is unlikely to cause any interference.

XM Radio will continue to comply with the conditions the Commission imposed in granting the above-referenced STA to operate the Substitute Repeaters. These conditions and the technical parameters of the Substitute Repeaters have provided sufficient protection to other radio services. Therefore, prompt grant of XM Radio's renewal request will allow for the continued reception of the SDARS signal in Pittsburgh and Philadelphia.

Please direct any questions regarding this matter to the undersigned.

Very truly yours,



James S. Blitz
Vice President, Regulatory Counsel

cc: Stephen Duall, FCC