

File # SAT-STA-20070424-00063
with attached conditions

Call Sign _____ Grant Date 05/15/07

(or other identifier)

Term Dates

Approved by OMB

From 05/21/07

To: 05/24/07

3060-0678

Approved: *[Signature]*

Robert G. Nelson

Christ Schellke
Adrian

Date & Time Filed: Apr 24 2007 3:10:30:353PM
File Number: SAT-STA-20070424-00063
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:

Sirius Satellite Radio Request for STA to operate a signal booster at its annual stockholders meeting

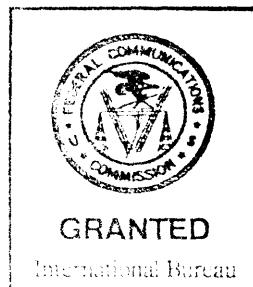
1. Applicant

Name:	Sirius Satellite 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:	Mr. Patrick L. Donnelly		

**Application of Sirius Satellite Radio Inc. for Special Temporary Authority
IBFS File No. SAT-STA-20070424-00063**

Special temporary authority (STA) IS GRANTED to Sirius Satellite Radio Inc. (Sirius) to operate a terrestrial repeater with an Effective Isotropically Radiated Power (EIRP) of 0.0001 watts from May 21 through May 24, 2007, at its annual stockholders' meeting in New York City with the technical parameters and at the location specified in its application, subject to the following conditions:

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. Operation of all SDARS repeaters authorized pursuant to this STA is on a non-interference basis with respect to all permanently authorized radiocommunication facilities. Sirius shall provide the information and follow the process set forth in paragraphs 14 and 17 in 16 FCC Rcd 16773 (Int'l Bur. 2001) and 16 FCC Rcd 16781 (Int'l Bur. 2001), as modified by 16 FCC Rcd 18481 (Int'l Bur. 2001) and 16 FCC Rcd 18484 (Int'l Bur. 2001).
3. SDARS repeaters are restricted to the simultaneous retransmission of the complete programming, and only that programming, transmitted by the satellite directly to SDARS subscriber's receivers.
4. SDARS 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.
5. SDARS repeater out-of-band emissions shall be limited to 75+log(EIRP) dB less than the transmitter EIRP.
6. Sirius will operate the repeater according to the technical parameters in its application.
7. Sirius will maintain full ownership and operational control of the repeater.
8. Sirius will immediately shut down any repeater upon a complaint of interference, upon direction from the Commission, or upon finding that a repeater has not been properly installed.



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Term Dates
From 05/21/07 To: 05/24/07

Approved: [Signature] *Chief Satellite Division*
Robert G. Nelson

2. Contact	
Name:	Mr. Patrick L. Donnelly
Company:	Sirius Satellite Radio Inc.
Street:	1221 Avenue of the Americas 36th Floor
City:	New York
Country:	USA
Attention:	
Phone Number:	212-584-5100
Fax Number:	212-584-5353
E-Mail:	
State:	NY
Zipcode:	10020 -
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 CXW – Space Station (Non-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

<p>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.)</p> <div style="border: 1px solid black; padding: 10px; margin: 5px 0;"> <p>Sirius Satellite Radio Inc. requests Special Temporary Authority to operate a signal booster at its annual stockholders meeting from May 21-24, 2007.</p> </div>					
<p>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. <input checked="" type="radio"/> Yes <input type="radio"/> No</p>					
<p>10. Name of Person Signing Patrick L. Donnelly</p>	<p>11. Title of Person Signing Exec. VP, GC and Sec'y</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;">Attachment 1: Attachment</td> <td style="width: 33%; padding: 5px;">Attachment 2:</td> <td style="width: 33%; padding: 5px;">Attachment 3:</td> </tr> </table>			Attachment 1: Attachment	Attachment 2:	Attachment 3:
Attachment 1: Attachment	Attachment 2:	Attachment 3:			
<p>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).</p>					

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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.

Attachment

Sirius Satellite Radio Inc. (“Sirius”), pursuant to 47 C.F.R. § 25.120, hereby requests Special Temporary Authority (“STA”) to operate in its licensed frequency band (2320-2332.5 MHz) a signal booster with an EIRP of 0.0001 watts identical to boosters that have previously been approved for use in retail stores. This signal booster will be utilized at Sirius’ 2007 Stockholders Meeting on May 24, 2007 and Sirius requests authorization to operate the booster for four days, from May 21 through May 24, 2007, to allow for set-up and testing.¹

The booster will be used by Sirius for demonstrations at its stockholder meeting and ensure consistent service during the meeting at the Equitable Center in New York, NY.² Due to blockage from walls and ceilings, quality reception of SDARS satellite signals inside the Equitable Center may be impeded because receivers may not have line-of-sight views to receive Sirius’ signal. The signal booster will ensure that demonstrations can be carried out without technical difficulties. Accordingly, grant of the requested STA to use this booster for a limited period will serve the public interest.

Technical Information. Sirius requests authority to operate this signal booster on May 21-24, 2007 at the following location:

Equitable Center
787 7th Avenue
New York, NY 10019

Latitude: 40-45-42.5 N
Longitude: 73-58-55.70 W

Exhibit A lists the technical parameters for the signal booster.³ Specifically, Sirius has included the following information: (1) antenna type; (2) antenna beamwidth; (3) total EIRP; and (4) approximate maximum height Above Ground Level (“AGL”).

¹ Because Sirius is requesting STA for less than 30 days, the Commission can grant this application without placing it on Public Notice. 47 C.F.R. § 25.120(b)(4).

² Sirius intends to operate the signal booster independently – *i.e.*, Sirius will *not* operate it in conjunction with XM Radio, Inc.

³ See *Sirius Satellite Radio Inc. Request for Special Temporary Authority to Operate In-Store Signal Boosters in the Satellite Digital Audio Radio Service*, File No. SAT-STA-20030411-00075 (grant stamp with conditions issued June 26, 2003) (“2003 In-Store Booster Application”). In the 2003 application, Sirius also provided an interference analysis for the signal boosters that are the subject of this application. See *id.*, Exhibit C. That interference analysis is incorporated by reference herein, as permitted by 47 C.F.R. § 1.10009(c)(2). On June 5, 2003, Sirius further supplemented the application with a sample link budget for the signal boosters. See Letter from Robert D. Briskman to Marlene H. Dortch, Secretary, FCC, Re: Sirius Satellite Radio Inc. Request for STA to Operate In-Store SDARS Signal Boosters, File No. SAT-

Interference Considerations. The booster at the stockholders meeting will not cause harmful interference to other radio services. Because Sirius has exclusive use of its licensed frequency band,⁴ there is no potential for in-band interference. Sirius has previously demonstrated that the its boosters will not cause adjacent band interference to WCS operations.⁵ In addition, the booster will only be used for a limited time, further eliminating any opportunity for interference. Therefore, Sirius does not anticipate that this booster will cause blanketing interference to any WCS receivers. As a result, Sirius has not notified the WCS licensees in the affected MSA prior to filing this request.

Ownership and Control of Booster. Sirius will own the booster installed at the venue and will retain full operational control of it. Sirius will also be responsible for installation of the booster.

Public Interest Considerations. Prompt grant of this STA will promote the continued success of satellite radio and serve the public interest. Sirius plans to demonstrate some of its consumer equipment at its stockholder meeting in order to better inform stockholders about available equipment and services. Without the booster to overcome signal blockage within the venues, however, Sirius cannot undertake real-time demonstrations of its equipment, especially demonstrations of the full mobility of SDARS service. This booster will provide clear signal reception within the venue for these demonstrations, and will eliminate any need for a hard wire connection.

Sirius understands that its operation of this booster under STA is on a secondary, non-interference basis. While Sirius does not anticipate any interference, should interference occur, it will cease operation of the booster until such interference can be eliminated.

Certifications. Sirius certifies that its operation of the signal booster at the stockholders meeting will comply, as applicable, with the "Micro-Repeater STA Conditions" that the Commission imposed on Sirius in granting the June 26, 2003 STA to operate 5,000 in-store signal boosters. Specifically, Sirius certifies the following:

- (1) Sirius will operate the signal booster at its own risk, and such operation shall not prejudice the outcome of the final rules adopted by the Commission in GEN Docket 95-91;
- (2) Sirius will operate the signal booster on a non-interference basis with respect to all permanently authorized radiocommunication facilities;

(Continued . . .)

STA-20030411-00075 (filed June 5, 2003). The link budget is also incorporated by reference herein.

⁴ 47 C.F.R. § 25.202(a)(6) (stating the 2320-2345 MHz band is allocated exclusively for SDARS).

⁵ 2003 In-Store Booster Application at 4 and Exhibit C.

- (3) The signal booster will be restricted to the simultaneous retransmission of the complete programming, and only that programming, transmitted by the satellite directly to SDARS receivers;
- (4) Where applicable, coordination of the signal booster will be completed with all affected Administrations prior to operation, in accordance with all applicable international agreements including those with Canada and Mexico;
- (5) The signal booster will comply with Part 17 of the Commission's rules – Construction, Marking, and Lighting of Antenna Structures;
- (6) The signal booster will 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;
- (7) The out-of-band emissions of the signal booster will be limited to 75+log (EIRP) dB less than the transmitter EIRP;
- (8) Sirius will operate the signal booster according to the technical parameters provided in this application;
- (9) Sirius will maintain full ownership and operational control of the signal booster; and
- (10) Sirius will immediately shut down the signal booster upon a complaint of interference, upon direction from the Commission, or upon finding that the signal booster has not been properly installed.

EXHIBIT A

Attached is the following information for the signal booster Sirius seeks to operate pursuant to this STA.

- (1) antenna type;
- (2) antenna beamwidth;
- (3) total EIRP; and
- (4) approximate height Above Ground Level (AGL)

City	Antenna Type	Antenna Beamwidth	EIRP Total in Watts	Height AGL
New York, NY	Antenna Specialists XMSSR923WR	75 degrees	0.0001	< 50 feet

The transmitted carriers have a center frequency and frequency stability identical to the received SDARS satellite or terrestrial carriers. Frequency accuracy is controlled by the satellite or terrestrial repeater and not by the booster.