



File # SAT-STA-20210406-00045

Call Sign S2796 Grant Date 4.29.2021
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From 5.5.2021 To: 30 Days

Approved: [Signature]
[Signature]
Sub-Dir, Policy Branch

Date & Time Filed: Apr 6 2021 1:17:26:300PM
File Number: SAT-STA-20210406-00045
Callsign:

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:
XM-5 (S2786) STA Request for WCS Band Tests Apr 2021

I. Applicant

Name:	XM Radio LLC	Phone Number:	202-380-1383
DBA Name:		Fax Number:	202-380-4981
Street:	1221 Avenue of the Americas 35th Floor	E-Mail:	james.blitz@siriusxm.com
City:	New York	State:	NY
Country:	USA	Zipcode:	10002
Attention:	James S Blitz		

ATTACHMENT TO GRANT
 XM Radio LLC
 IBFS File No. SAT–STA–20210406–00045

IBFS File No(s):	SAT–STA–20210406–00045	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	XM Radio LLC	
Call Sign:	S2786	
Satellite Name:	XM-5 ¹	
Orbital Location: (required station-keeping tolerance)	85.15° W.L. (±0.10 degrees east/west) ²	
Administration:	United States of America	
Nature of Service:	Satellite Digital Audio Radio Service (SDARS)	
Scope of Grant:	Special temporary authority for a period of 30 days to perform in-orbit testing (IOT) of XM-5 at the 85.15° W.L. orbital location in the 2315-2320 MHz and 2345-2350 MHz Wireless Communications Service (WCS) frequency bands ³ and the 7025-7075 MHz (Earth-to-space) feeder link band	
Service Area(s):	Not Applicable.	
Frequencies:	Testing frequencies: 2315-2320 MHz (space-to-Earth) (WCS C Block) 2345-2350 MHz (space-to-Earth) (WCS D Block) 7025-7075 MHz (Earth-to-space) (feeder link) TT&C frequencies: 2320-2345 MHz (space-to-Earth) 7025-7075 MHz (Earth-to-space)	
<p>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the Federal Communications Commission’s rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, <i>i.e.</i>, XM Radio LLC must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station. 2. In the event of any harmful interference under this grant of special temporary authority, XM Radio LLC must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event. 3. XM Radio LLC must coordinate the operations of XM-5 with existing geostationary space stations to ensure that no unacceptable interference results from its operations at the 85.15° W.L. orbital location. 4. XM-5’s operations at the 85.15° W.L. orbital location must be limited to IOT and must not include the provision of commercial services. 		

¹ XM-5 is an in-orbit spare that is authorized to operate at 85.15° W.L. in the SDARS frequencies, 2320-2345 MHz. *See* IBFS File No. SAT-MOD-20180831-00065, granted Nov. 1, 2018 (*XM-5 License*).

² XM Radio LLC is authorized to operate XM-5 at the 85.15° W.L. orbital location with an east-west station-keeping tolerance of +/-0.1 degrees pursuant to its previously granted waiver of Section 25.210(j) of the Commission’s rules, 47 CFR, § 25.210(j). *See XM-5 License*, condition 2.

³ These frequency bands were not included in the original grant of authority for XM-5. *See id.* Grant of special temporary authority for IOT using these frequency bands does not alter the frequencies authorized under the *XM-5 License*.

ATTACHMENT TO GRANT
XM Radio LLC
IBFS File No. SAT-STA-20210406-00045

5. During in-orbit testing, XM Radio LLC must maintain the XM-5 space station within an east-west longitudinal station-keeping tolerance of ± 0.10 degrees of the 85.15° W.L. orbital location.

6. Except for the addition of the 2315-2320 MHz (space-to-Earth) and 2345-2350 MHz (space-to-Earth) frequency bands for IOT, all operations of XM-5 under this authorization must comport with the conditions imposed in the *XM-5 License*.⁴

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	April 29, 2021	
Term Dates	From: May 5, 2021	To: period of 30 days

Approved:



John W. Whaley
Acting Chief, Satellite Policy Branch

⁴ See generally *XM-5 License*.

2. Contact	
Name: Karis A. Hastings	Phone Number: 202-599-0975
Company: SatCom Law LLC	Fax Number:
Street: 6930 Carroll Avenue Suite 720	E-Mail: karis@satcomlaw.com
City: Takoma Park	State: MD
Country: USA	Zipcode: 20912 -4499
Attention:	Relationship: 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 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

<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: 5px;"> <p>XM Radio LLC requests special temporary authority for a period of 30 days beginning on May 5, 2021 to permit testing of the XM-5 satellite in the WCS C Block and WCS D Block frequencies. See attached narrative.</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.</p> <p style="text-align: right;"> <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 Secretary</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Narrative</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: STA Narrative	Attachment 2:		Attachment 3:
Attachment 1: STA Narrative	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>					

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.