



File # SAT- STA- 20071019-00145

Call Sign S2119 Grant Date 11/28/07

(or other identifier)

Term Dates

Approved by OMB  
3060-0678

From 11/28/07

To: 12/28/07

Approved: [Signature]

Subject to Conditions

Policy Branch Chief

Date & Time Filed: Oct 19 2007 2:28:11:853PM  
File Number: SAT-STA-20071019-00145  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

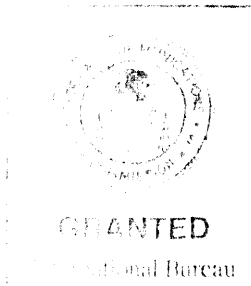
Enter a description of this application to identify it on the main menu:  
Request for Special Temporary Authority to conduct testing of XM-2

1. Applicant

<b>Name:</b>	XM Radio Inc.	<b>Phone Number:</b>	202-380-4000
<b>DBA Name:</b>		<b>Fax Number:</b>	202-380-4981
<b>Street:</b>	1500 Eckington Place, NE	<b>E-Mail:</b>	james.blitz@xmradio.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20002 -
<b>Attention:</b>	James S Blitz		

**XM Radio Inc.**  
**IBFS File Nos. SAT-STA-20071019-00144; SAT-STA-20071019-00145**

The requests of XM Radio Inc. (XM Radio) for special temporary authority (STA), IBFS File Nos. SAT-STA-20071019-00144 and SAT-STA-20071019-00145, ARE GRANTED for a period of 30 days, effective November 28, 2007. Accordingly, XM Radio is authorized to take test measurements of the equivalent isotropically radiated power (EIRP) of the transponder payloads of the XM-1 and XM-2 satellites (Call Signs S2118 and S2119) at the frequency of 2338.75 MHz, subject to the technical specifications set forth in its applications and the Commission's rules. In particular, test transmissions shall comply with all power flux density restrictions applicable to the XM-3 and XM-4 (Call Signs 2616 and 2617) satellites, including any coordination agreements associated with operation of the XM satellites.



SAT-STA-20071019+00145  
File # SAT-STA-20071019-00144  
Call Sign S2118 Grant Date 11/28/07  
S2119  
(or other identifier)  
Term Dates  
From 11/28/07 To: 12/28/07  
Approved: [Signature]  
Policy Branch Chief

<b>2. Contact</b>	
<b>Name:</b> James S. Blitz	<b>Phone Number:</b> 202-380-4000
<b>Company:</b> XM Satellite Radio Inc.	<b>Fax Number:</b> 202-380-4981
<b>Street:</b> 1500 Eckington Place NE	<b>E-Mail:</b> james.blitz@xmradio.com
<b>City:</b> Washington	<b>State:</b> DC
<b>Country:</b> USA	<b>Zipcode:</b> 20002 -
<b>Attention:</b>	<b>Relationship:</b> 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.)	
<b>3. Reference File Number or Submission ID</b>	
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):	
<b>4b. Fee Classification</b> CRY - Space Station (Geostationary)	
<b>5. Type Request</b>	
<input type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other	
<b>6. Temporary Orbit Location</b>	<b>7. Requested Extended Expiration Date</b>

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 special temporary authority for 30 days to conduct a limited In-Orbit Test of XM-2 (Call Sign S2119), which currently operates as an in-orbit spare, and take EIRP measurements of the payload of that satellite. The testing will not cause interference to XM or other satellite operators. The specific frequency for testing will

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:

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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## **8. Description**

XM Radio Inc. (XM) requests special temporary authority for 30 days to conduct a limited In-Orbit Test of XM-2 (Call Sign S2119), which currently operates as an in-orbit spare, and take EIRP measurements of the payload of that satellite. The testing will not cause interference to XM or other satellite operators. The specific frequency for testing will be 2338.75 MHz, which is at the center of XM's licensed spectrum and normally used by terrestrial repeaters. The transponders will be operated at saturation (approximately 70 dBW). The test transmissions from XM-2 will comply with all power flux density restrictions applicable to XM's current operating satellites, XM-3 and XM-4. The testing is required to assess the performance of the XM system and the state of health of the XM-2 payload. The emissions designators for the test transmission for the test signals are 1M84G1EDW and N.