

Approved by OMB
3060-0678

Date & Time Filed: May 1 2006 6:27:46:930PM
File Number: SAT-MOD-20060501-00052

Call Sign: S2118

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

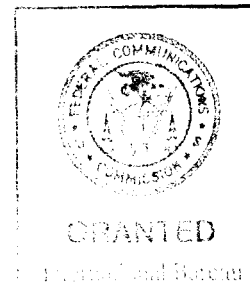
APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Modification to relocate XM-1 to 85.2W

1-8. Legal Name of Applicant

Name:	XM Radio Inc.	Phone Number:	202-380-4000
DBA Name:		Fax Number:	202-380-4500
Street:	1500 Eckington Place, NE	E-Mail:	Joseph Titlebaum
City:	Washington	State:	DC
Country:	USA	Zipcode:	20002
Attention:	joseph.titlebaum@xmradio.com		



w/conditions

File # SAT-MOD-20060501-000
52
Call Sign S2118 Grant Date 8/15/06
(or other identifier)
Term Dates see original
From _____ To: licensee
Approved: Andrew L. Kelly
Policy Branch Chief

Attachment
XM Radio Inc.
IBFS File No. SAT-MOD-20060501-00052
August 15, 2006

The request of XM Radio Inc. (XM Radio) for license modification, IBFS File No. SAT-MOD-20060501-00052, IS GRANTED.¹ Accordingly, XM Radio is authorized to operate its telemetry payload of the XM-1 satellite (Call Sign: S2118) at the 85.2° W.L. orbital location and to use the XM-1 satellite as an in-orbit spare for the XM-3 satellite (currently at 85.1° W.L. orbital location) in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Federal Communications Commission's (Commission) rules.

1. XM Radio IS AUTHORIZED to operate the XM-1 satellite at the 85.2° W.L. orbital location as non-transmitting (except for telemetry transmissions) in-orbit spare for the XM-3 satellite for the duration of the remaining license term of the XM-1 satellite, subsequent to the successful launch of XM-4 to the 115° W.L. orbital location.
2. XM Radio's request for waiver of section 25.114(d)(3) of the Commission's rules requiring the provision of antenna gain contours for modification applications IS GRANTED.² Section 25.117(d)(1) of the Commission's rules requires applications for modifications of space station authorizations to provide the information specified by section 25.114 of the Commission's rules, but only for those items of information that change as a result of the modification request.³ XM Radio states that the S-band and X-band satellite antenna gain contours and coverage area from the 85.2° W.L. orbital location remain the same as those specified in XM's January 2000 modification application⁴ to operate XM-1 at the nominal 85° W.L. orbital location.⁵ Because the XM-1 satellite will only operate telemetry transmissions at 85.2° W.L., and because any changes to the antenna gain contours and coverage areas resulting from a 0.2° change in orbital location would be *de minimis*, the antenna gain contours previously provided by XM are sufficient to determine whether the modified system meets the Commission's technical requirements. As a result, waiver of section 25.114(d)(3) is appropriate in this instance.
3. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.
4. XM Radio is afforded thirty days from the date of release of this action to decline this modification authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the modification authorization as conditioned.

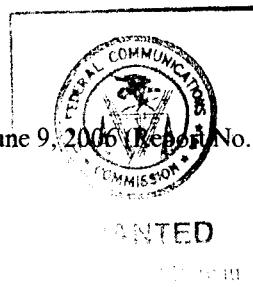
¹ This request was placed on public notice on June 9, 2006 (Report No. SAT 003698) and comments were filed in response to the public notice.

² 47 C.F.R. § 25.114(d)(3).

³ 47 C.F.R. § 25.117(d)(1).

⁴ See Application of XM Radio Inc. for Modification of Authorization, File No. SAT-MOD- 20000131-00052 (filed January 31, 2000),

⁵ See Technical Appendix, on page 2.



File # SAT-MOD-20060501-00052
Call Sign S2118 Grant Date 8/16/06
(or other identifier) Term Dates see original
From To: antenna/etc
Approved: [Signature]
ex/conditions Policy Brewer Chord