

EXHIBIT A: DESCRIPTION OF MODIFICATION

Sirius XM Radio Inc. (“SiriusXM”), a satellite digital audio radio service (“SDARS”) licensee, applies for a modification of the license for its Vernon, NJ earth station, Call Sign E080185.¹ The purpose of the modification is to: 1) modify the satellite arc for antenna 1; 2) update the authorized points of communication, and 3) seek flexibility to allow both E080185 antennas to communicate with any SDARS satellites operated by SiriusXM and its affiliates during and after authorized relocations of those satellites within the 80° W.L. to 120° W.L. portion of the geostationary arc.² Grant of this modification is consistent with prior coordination of the earth station and with Commission precedent and will serve the public interest by enhancing SiriusXM’s ability to use the E080185 facilities to support the provision of SDARS to approximately 29 million customers.

The specific requested modifications are described in this exhibit and set forth in the accompanying Form 312, Schedule B. Apart from these changes, SiriusXM certifies that the information previously provided to the Commission regarding this facility remains complete and accurate.

Extended Satellite Arc for Antenna 1: SiriusXM proposes to modify Section C of the E080185 License, Frequency Coordination Limits, for antenna 1 to conform to the ranges of

¹ See Call Sign E080185, File No. SES-MOD-20120110-00039, granted Feb. 29, 2012 (“E080185 License”).

² SiriusXM also advises the Commission that one of the space stations with which E080185 is currently authorized to communicate, the XM-2 spacecraft (Call Sign S2119), has been retired and therefore can be removed from the points of communication identified in Section D of the E080185 License. See Letter of Karis A. Hastings, Counsel for XM Radio LLC, to Marlene H. Dortch, Secretary, Federal Communications Commission submitted Oct. 30, 2014 in File No. SAT-STA-20141017-00109 (advising the Commission that XM-2 has been placed in a disposal orbit and requesting termination of the license account in the IBFS database).

frequencies and satellite arcs for which the earth station's antennas have been coordinated. The E080185 License covers two identical General Dynamics 7.2 meter antennas, and SiriusXM has previously coordinated operation of this antenna model with terrestrial networks for the 7040-7075 MHz frequencies across an orbital arc of 80° W.L. to 120° W.L.³ The attached Form 312 Schedule B specifies the same frequency band and orbital arc range for antenna 1 that is currently listed on the license for antenna 2.

Updated Points of Communications: SiriusXM also proposes modifications of Section D of the E080185 License. First, because SiriusXM is seeking authority to relocate the Sirius FM-5 satellite,⁴ SiriusXM is updating the designated orbital location for that spacecraft to specify 86.15° W.L., rather than 96° W.L.

Second, SiriusXM requests added flexibility so that its authority to use the E080185 antennas to communicate with SDARS satellites licensed to SiriusXM and its affiliates is not limited to the specific orbital locations identified in the license. Instead, SiriusXM seeks authority to communicate with SDARS satellites during and after any authorized relocations of those satellites, provided that the operations otherwise conform to the terms of the E080185 License. Granting this flexibility will avoid the need to request a license modification or special temporary authority for E080185 each time the Commission may authorize a change in the location of an SDARS satellite. For example, this will allow E080185 to be used to support the planned relocation of FM-5 without the need for additional earth station temporary authority.

³ See Call Sign E080185, File No. SES-MOD-20120110-00039, Frequency Coordination and Interference Analysis Report dated Jan. 4, 2012.

⁴ See *Sirius XM Radio Inc.*, Call Sign S2710, File No. SAT-MOD-20151211-00081.

The Commission granted such flexibility in connection with SiriusXM's E080168 license. Specifically, the Commission added to the authorized points of communications for that earth station a designation that refers collectively to the U.S.-licensed SDARS satellites operated by SiriusXM and its affiliates.⁵ SiriusXM has selected this designation as a new point of communications for E080185 in the attached Form 312, Schedule B.

The changes proposed herein will serve the public interest by facilitating SiriusXM's ability to employ the antennas licensed under E080185 to support the delivery of reliable, diverse programming to satellite radio customers nationwide.

⁵ See Call Sign E080168, File No. SES-MOD-20150127-00042, granted Apr. 8, 2015, Section D.