

Earth Station Modification

By this application, Sirius XM Radio Inc. (“Sirius XM”) seeks to modify the license for its E080168 Satellite Digital Audio Radio Service (“SDARS”) earth station in Ellenwood, Georgia.¹ The license includes one 7.2 meter antenna designated as Feeder 1 and two identical 8.0 meter antennas designated as Feeder 2 and Feeder 3. Sirius XM seeks the following changes with respect to these antennas:

- Redesignate the 7.2 meter antenna ID as E5, consistent with how Sirius XM refers to the antenna internally.
- Redesignate the two 8.0 meter antennas under a single antenna ID as E1/E2, consistent with how Sirius XM refers to the antennas internally.
- Authorize all antennas to operate across the full range of SDARS frequencies, 2320-2345 MHz for downlinks and 7025-7075 MHz for uplinks.
- Provide additional emission designators and associated technical characteristics.

Updated coordination reports are provided for both antenna types in support of these changes.

Sirius XM also asks the Commission to simplify information about the two 8.0 meter antennas on the E080168 License. The license has separate, identical listings for these two antennas, but Sirius XM seeks to combine the antennas under a single antenna ID. To eliminate duplication, Sirius XM asks the Commission to change all references to the “Feeder 2” antenna ID to the new “E1/E2” antenna ID and delete all references to the “Feeder 3” antenna ID.

Sirius XM also requests that the Commission streamline Section D of the E080168 License, which currently lists a number of individual SDARS satellites as authorized points of communication, including some spacecraft that have been retired. The Commission has created a designation for the entire SDARS fleet operated by Sirius XM and its affiliates, which appears as line 8 of this section on the E080168 License as “US LICENSED SIRIUS FM and XM satellites (DARS).” Since that category covers all active SDARS satellites, it is unnecessary for the E080168 License to also identify the individual satellites currently shown on lines 1-7 of Section D, and those satellite names should be removed from the license.

¹ *Sirius XM Radio Inc.*, File No. SES-MOD-20150127-00042, granted Apr. 8, 2015 (“E080168 License”).