

Earth Station Modification

By this application, Sirius XM Radio Inc. (“Sirius XM”) seeks to modify the license for its E080185 Satellite Digital Audio Radio Service (“SDARS”) earth station in Vernon, New Jersey.¹ The modification addresses two identical 7.2 meter antennas authorized under this call sign, designated on the license as antenna 1 and antenna 2. Sirius XM seeks the following changes with respect to these antennas:

- Redesignate the antenna IDs as G5/G6, consistent with how Sirius XM refers to the antennas internally.
- Authorize the antennas to operate across the full range of SDARS frequencies, 2320-2345 MHz for downlinks and 7025-7075 MHz for uplinks.
- Provide updated emission designators and associated power characteristics.

An updated coordination report is provided in support of these changes.

In the attached Form 312 Schedule B, Sirius XM has provided complete data regarding the operating characteristics of these two antennas that supersedes the information regarding antennas 1 and 2 on the E080185 License. Accordingly, Sirius XM asks that the Commission delete the information regarding antennas 1 and 2 from the E080185 License and replace it with the updated information in this application for antenna IDs G5/G6.

Sirius XM also requests that the Commission streamline Section D of the E080185 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 7 of this section on the E080185 License as “US LICENSED SIRIUS FM and XM satellites (DARS).” Since that category covers all active SDARS satellites, it is unnecessary for the E080185 License to also identify the individual satellites currently shown on lines 1-6 and 8 of Section D and those satellite names should be removed from the license.

¹ *Sirius XM Radio Inc.*, File No. SES-MOD-20191216-01736, granted May 14, 2020 (“E080185 License”).