

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Sirius XM Radio Inc. (“Sirius XM”), a satellite digital audio radio service (“SDARS”) licensee, hereby applies for special temporary authority (“STA”) to commence operations using a new 3.7 meter C-band antenna at its Vernon, NJ earth station, Call Sign E060276. STA is sought pending action on the modification application requesting authority for this antenna, File No. SES-MFS-20100824-01076.¹ Grant of the requested STA will serve the public interest by permitting use of the new antenna to support operations of the recently launched XM-5 satellite.²

Specifically, Sirius XM plans to use the new antenna to communicate with the facilities in Canada that perform the primary Telemetry, Tracking and Control (“TT&C”) for XM-5 and the remainder of the XM Radio satellite fleet. The XM-5 in-orbit spare spacecraft was launched successfully on October 14, and is currently undergoing in-orbit testing (“IOT”) at 80° W.L.³ Following the completion of IOT, the satellite will be drifted to its assigned orbital location, 85.2° W.L. In preparation for deployment of XM-5, Sirius XM seeks to begin using the 3.7 meter antenna to communicate with the TT&C facilities in Canada on November 3, 2010 and seeks action on the instant STA request to accommodate that schedule.

¹ The modification application appeared on public notice as accepted for filing on October 6. *See* Report No. SES-01283 (Oct. 6, 2010) at 3.

² *See* XM Radio Inc. (“XM Radio”), File No. SAT-LOA-20090217-00025 (Call Sign S2786), grant-stamped Aug. 31, 2009.

³ XM Radio received special temporary authority for its feeder link earth stations, Call Signs E000158 and E040204, to communicate with XM-5 for IOT and to perform TT&C while the satellite is located at 80° W.L. and during the drifts to and from the IOT location. *See* File Nos. SES-STA-20100917-01176 (E040204); SES-STA-20100917-01175 (E080168), both grant-stamped Oct. 13, 2010.

Grant of the requested authority will not adversely affect other authorized communications systems. The new C-band antenna has been fully coordinated with other spectrum users.⁴

⁴ See File No. SES-MFS-20100824-01076, Coordination Report.