

Sirius XM Radio Inc. Request for 30-Day Extension of Special Temporary Authority to Provide LEOP Services for the FM-6 Satellite Using Ellenwood, Georgia Earth Station, Call Sign E080168

Sirius XM Radio Inc. (“Sirius XM”) herein requests a 30-day extension of its existing Special Temporary Authority (“STA”), granted on September 27, 2013, to use the S- and X- band antennas on its Ellenwood, Georgia earth station (call sign E080168) to provide launch and early orbit phase (“LEOP”) services to its FM-6 satellite (Call Sign S2812). Sirius XM launched the FM-6 satellite on October 25, 2013. The existing STA will expire on October 31, 2013.¹ Sirius XM anticipates that LEOP services for the FM-6 satellite will continue beyond that date. Sirius XM thus seeks this extension to complete all necessary LEOP services.

As discussed in its original STA request, Sirius XM will conduct LEOP operations for FM-6 in the satellite’s authorized frequency bands. More specifically, the Ellenwood, GA earth station will use the following frequencies:

- 2320.0 – 2332.5 MHz (downlink)
- 7051.5 – 7052.5 MHz (uplink)
- 7055.5 – 7056.5 MHz (uplink)
- 7060.0 – 7064.5 MHz (uplink)
- 7068.0 – 7072.5 MHz (uplink)

Grant of this STA extension will serve the public interest by ensuring the safe launch of FM-6, and will also facilitate successful positioning of the FM-6 satellite into its in-orbit testing location and the satellite’s ultimate entry into operation.

Moreover, grant of this request will not cause harmful interference to other satellite operators. Sirius XM won exclusive satellite rights to the 2320.0 – 2332.5 MHz S-band spectrum at auction and will coordinate internally its LEOP operations with its other in-orbit satellites. No other satellite operators will be affected by Sirius XM’s use of these LEOP frequencies.

Similarly, grant of this request will not cause harmful interference to existing or proposed terrestrial facilities operating in the 7 GHz X-band. As shown in the attached Frequency Coordination and Interference Analysis Reports prepared by Comsearch and previously submitted as part of the original STA request, Sirius XM has coordinated its proposed use of its Ellenwood, GA earth station with all existing or proposed terrestrial facilities operating in the shared 7 GHz frequency band, including national licensees. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Sirius XM will take all reasonable steps to eliminate the interference.

¹ Request for Special Temporary Authority To Provide LEOP Services for the FM-6 Satellite Using Ellenwood, Georgia Earth Station, Call Sign E080168, File No. SES-STA-20130701-00562 (stamp grant, Sept. 27, 2013).

In light of the above, Sirius XM respectfully requests Commission approval of this timely filed 30-day STA extension request. Given the necessity of LEOP services to ensure safe operation of the FM-6 satellite and as authorized by the Commission's rules, Sirius XM will continue LEOP operations consistent with the terms and conditions of its existing authority pending action on this request.²

² 47 C.F.R. § 1.62.