

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Sirius XM Radio Inc. (“Sirius XM”) hereby requests special temporary authority (“STA”) for a period of 30 days commencing on November 12, 2014, to permit its Ellenwood, Georgia earth station (Call Sign E080168) and its Vernon, New Jersey earth station (Call Sign E080185) to provide telemetry, tracking and control (“TT&C”) to drift the FM-6 satellite from 120.5° W.L., where the satellite has been undergoing in-orbit testing, to its assigned orbital location, 116.15° W.L. Satellite CD Radio, a subsidiary of Sirius XM, is the licensee for FM-6 and has been authorized to relocate the satellite following the completion of testing.¹ Grant of the requested earth station STAs will serve the public interest by facilitating the repositioning of FM-6 so that the spacecraft can commence regular operations to provide satellite digital audio radio service (“SDARS”) to customers.

Sirius XM will conduct TT&C operations for FM-6 in the satellite’s authorized bands:

Command: 7052.0 MHz and 7056.0 MHz

Telemetry: 2321.5 MHz, 2322.0 MHz, 2330.5 MHz, and 2331.0 MHz

Both the E080168 and E080185 earth stations are authorized to communicate with FM-6 at its assigned 116.15° W.L. orbital location, and E080185 is currently being used to support the in-orbit testing of FM-6 at 120.5° W.L. pursuant to an existing STA.² The licenses

¹ See *Satellite CD Radio LLC*, Call Sign S2812, File Nos. SAT-STA-20130701-00091, grant-stamped Sept. 19, 2013 (authorizing testing of FM-6 at 120.5° W.L. and relocation to 116.15° W.L. following the completion of testing); SAT-STA-20140523-00054, grant-stamped July 10, 2014 (extending authority granted in SAT-STA-20130701-00091 for an additional 180 days).

² See *Sirius XM Radio Inc.*, Call Sign E080185, File Nos. SES-STA-20130701-00561, grant-stamped Sept. 27, 2013 (authorizing use of E080185 to perform in-orbit testing of FM-6 at

for E080168 and E080185 authorize these earth stations to operate in the FM-6 TT&C frequencies, and the proposed operations will conform to the power levels and other technical parameters specified in the existing licenses. The only reason additional authority is required here is to authorize the earth stations to communicate with FM-6 while it is being drifted to its assigned location.

Grant of the requested STAs to support the FM-6 drift will not result in harmful interference to other authorized communications systems. Sirius XM holds exclusive rights to the S-band SDARS frequencies used for telemetry. Sirius XM will coordinate the FM-6 TT&C operations internally to ensure that no interference is caused to any of the company's other in-orbit satellites. No other satellite operators will be affected by the proposed use of these telemetry frequencies.

Similarly, grant of this request will not cause harmful interference to existing or proposed terrestrial facilities operating in the X-band frequencies. Operations of both E080168 and E080185 have been fully coordinated in the X-band with terrestrial users. 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.