

**Sirius XM Radio Inc. and XM Radio LLC  
Request For Special Temporary Authority  
For Earth Stations with Call Signs E080168 and E040204  
To Provide LEOP and IOT Services for the FM-6 Satellite**

Sirius XM Radio Inc. and XM Radio LLC (collectively “Sirius XM”) herein requests a grant of Special Temporary Authority (“STA”) for 30 days, from February 21, 2012 through March 22, 2012, to use the S- and X-band antennas on its Ellenwood, Georgia earth stations (call signs E080168 and E040204) to provide launch and early orbit phase (“LEOP”) services to, and in orbit testing (“IOT”) of, its FM-6 satellite (call sign S2812). Sirius XM expects to launch the FM-6 satellite on February 21, 2012, perform LEOP, position the satellite at an orbital location of 120.5° W.L., and perform IOT at this location. Upon completion of testing, the FM-6 satellite will be relocated to the 116.15° W.L. orbital location, its assigned operating position.

Sirius XM will conduct LEOP and IOT operations for FM-6 in the satellite’s authorized frequency bands. More specifically, the Ellenwood, GA earth stations 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 will serve the public interest by ensuring the safe launch of FM-6. It will also facilitate entry into operation of the FM-6 satellite. Approval of this STA is the final required regulatory step.

Moreover, grant of this request will not cause harmful interference to other satellite operators. Sirius XM won exclusive satellite rights to the SDARS 2.3 GHz spectrum at auction and will coordinate internally its LEOP and IOT operations with its other in-orbit satellites. No other satellite operators will be affected by Sirius XM’s use of these LEOP and IOT frequencies.

Similarly, grant of this request will not cause harmful interference to existing or proposed terrestrial facilities operating in the X-band. As shown in the attached Frequency Coordination and Interference Analysis Reports prepared by Comsearch, Sirius XM has coordinated its proposed use of its Ellenwood, GA earth stations 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 stations, Sirius XM will take all reasonable steps to eliminate the interference.

In light of the above, Sirius XM respectfully requests Commission approval of this STA request.