



July 10, 2007

Via Electronic Filing (IBFS)

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

**Re: XM Radio Inc.
Extension of Special Temporary Authority to Operate
In-Store Interoperable Signal Boosters in the
Satellite Digital Audio Radio Service
File No. SAT-STA-20050601-00113**

Dear Ms. Dortch:

Pursuant to Section 25.120 of the Commission's Rules,¹ XM Radio Inc. ("XM Radio") hereby requests an extension of the above-referenced Special Temporary Authority ("STA") to operate up to 5000 in-store interoperable signal boosters with an Effective Isotropically Radiated Power ("EIRP") of 0.0001 watts in its licensed frequency band (2332.5-2345 MHz). XM Radio requests that the Commission renew this STA for a period of 180 days or until the Commission issues a blanket license for these boosters. As XM Radio's extension request is timely, XM Radio understands that, pursuant to Section 1.62 of the Commission's Rules, its STA will continue in effect without further action by the Commission until such time as the Commission shall make a final determination with respect to this request.²

XM Radio currently operates in-store interoperable signal boosters in its licensed frequency band (2332.5-2345 MHz) pursuant to the STA granted by the International Bureau on January 18, 2007. XM Radio uses these signal boosters, which are essentially S-band radio frequency amplifiers, to receive and amplify satellite Digital Audio Radio Service ("SDARS") signals inside of retail stores, where such transmissions are attenuated. XM Radio has not changed technical parameters for the signal boosters since the original grant of the STA and is not herein requesting modification of any of those parameters.

XM Radio jointly owns each in-store signal booster with Sirius Satellite Radio Inc. ("Sirius"), which operates these signal boosters in its adjacent licensed frequency band (2320-2332.5 MHz). XM Radio expects that Sirius will also file an application for an extension of its STA to operate these signal boosters. Thus, these signal boosters will be authorized to continue to amplify the signals of both SDARS licensees.

¹ See 47 C.F. R. § 25.120.

² See 47 C.F.R. § 1.62.

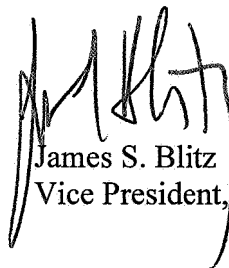
This STA will serve the public interest by allowing XM Radio to continue to provide a clear signal for reception by SDARS receivers located within retail outlets, which is necessary to effectively market SDARS to consumers. As XM Radio noted in its original request, it is often difficult to provide quality reception of SDARS signals inside of retail outlets due to blockage from walls and ceilings. Without the in-store boosters, for example, SDARS radios would need to be displayed with hard wire connections, conveying the impression to consumers that SDARS is not a completely mobile service. Eliminating the need for a hard wire connection has also provided retail outlets with more flexibility in displaying SDARS radios, allowing display in any area of the stores, including high traffic areas. The in-store boosters also enable reception in adjacent installation bays where SDARS radios are installed in vehicles, thus obviating the need for vehicles to be moved outside of the installation bay in order to test for proper reception. This has resulted in time-saving efficiencies for installers and ensured that vehicles are provided to consumers with fully functioning SDARS radios.

Several thousand of these interoperable boosters are currently operating and we are not aware of any incidents where its boosters have caused any interference to other radio services. XM Radio emphasizes that these boosters are not terrestrial repeaters,³ they operate at power levels which are highly unlikely to cause any interference, and they have previously been furnished to the FCC Laboratory for testing.

XM Radio will continue to comply with the conditions the Commission imposed in granting the above-referenced STA to operate indoor signal boosters. These conditions and the technical parameters of the boosters have provided sufficient protection to other radio services. Therefore, prompt grant of XM Radio's renewal request will allow for the continued marketing of SDARS to consumers and serve the public interest.

Please direct any questions regarding this matter to the undersigned.

Very truly yours,



James S. Blitz
Vice President, Regulatory Counsel

cc: Stephen Duall, FCC

³ As used in SDARS systems, repeaters perform a change in modulation and operate at EIRPs over ten million times higher than the subject boosters.