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RADIO

July 29, 2005

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**Via Hand Delivery**

Ms. Cassandra C. Thomas  
Acting Chief, Satellite Division  
International Bureau  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20054

**RE: XM Radio Inc.  
Request for STA to Operate In-Store SDARS Signal Boosters  
File No. SAT-STA-20050601-00113**

Dear Ms. Thomas:

On June 1, 2005, XM Radio Inc. ("XM") filed the above-captioned request for Special Temporary Authority ("STA") to operate up to 5000 in-store signal boosters in addition to the 5000 that have already been authorized. XM herein responds to the questions it received from the Commission on July 14, 2005 regarding this request.<sup>1</sup>

- 1) XM and Sirius have installed and are operating approximately 3210 in-store signal boosters. A large number of additional boosters are either in the process of being delivered to or installed in stores. XM and Sirius expect the deployment rate to level off after mid-2006 to approximately 8-10% per year.
- 2) Of the additional 5000 in-store signal boosters for which XM and Sirius have sought authority in their June 2005 STA requests, approximately 3000 will use the newly-developed single receive antenna configuration and 2000 will use the already-authorized dual-receive antenna configuration. The choice of which antenna to use is determined on a store-by-store basis. XM and Sirius do not currently plan to replace any already-deployed in-store boosters with the single receive antenna configuration.
- 3) XM and Sirius estimate that approximately 4000 of the new in-store signal boosters will be deployed over the next two years. XM and Sirius expect that the total number of in-store signal boosters (*i.e.*, the number of already deployed in-store signal boosters plus

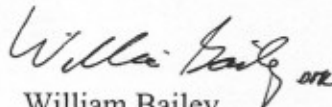
<sup>1</sup> See Letter from Cassandra C. Thomas, FCC to William Bailey, XM, File No. SAT-STA-20050601-00113 (July 14, 2005).

Ms. Cassandra C. Thomas  
Acting Chief, Satellite Division  
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the number of new in-store signal boosters) will exceed approximately 8500 within the next two years.

Please contact the undersigned with any questions regarding this matter.

Very truly yours,

A handwritten signature in black ink that reads "William Bailey" with a stylized flourish at the end.

William Bailey  
Senior Vice President, Regulatory  
and Government Affairs

cc: Stephen Duall, FCC