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Policy Branch  
International Bureau

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Federal Communications Commission  
Office of Secretary

July 29, 2005

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

**Re: Sirius Satellite Radio Inc.  
Request for Special Temporary Authority to Operate In-Store  
Signal Boosters in the Satellite Digital Audio Radio Service  
File No. SAT-STA-20050601-00114**

Dear Ms. Dortch:

Sirius Satellite Radio Inc. ("Sirius") hereby responds to the International Bureau's July 14, 2005 request for additional information<sup>1</sup> regarding Sirius's application for Special Temporary Authority ("STA") to operate up to 5,000 in-store signal boosters ("ISB") in the Satellite Digital Audio Radio Service.<sup>2</sup> Specifically, Sirius provides information regarding: (1) the utilization rate of the ISBs already-authorized pursuant to STA; (2) the planned deployment of the new single receive antenna and the current double receive antenna; and (3) the total number of ISBs that will be deployed if the application is granted.

<sup>1</sup> Letter from Cassandra C. Thomas, FCC, to Patrick Donnelly, Sirius Satellite Radio Inc., File No. SAT-STA-20050601-00114 (dated July 14, 2005).

<sup>2</sup> Sirius and XM Radio Inc. ("XM") jointly are authorized to operate up to 5,000 in-store boosters in their licensed frequency bands pursuant to STA. See *Sirius Satellite Radio Inc. Request for Special Temporary Authority to Operate In-Store Signal Boosters in the Satellite Digital Audio Radio Service*, File No. SAT-STA-20030411-00075 (grant stamp with conditions issued June 26, 2003). Through its June 1, 2005 application, Sirius seeks STA to operate up to an additional 5,000 ISBs. As noted in the application, the additional boosters will include both the type previously approved by the Commission as well as a new type that permits operation using one, rather than two, receive antennas. See *Sirius Satellite Radio Inc. Request for Special Temporary Authority to Operate In-Store Signal Boosters in the Satellite Digital Audio Radio Service*, File No. SAT-STA-20050601-00114 (filed June 1, 2005).

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**1. Utilization Rate of ISBs Under the Current STA**

Sirius and XM have installed and are operating approximately 3,210 ISBs. There are a substantial additional number in the pipeline which cannot be accurately estimated. Sirius and XM expect the eventual growth rate to level off after mid-2006 to 8-10% per year.

**2. Deployment of the Single and Double Receive Antennas**

Sirius and XM believe that approximately 3,000 of the new ISBs will feature one receive antenna and that roughly 2,000 will contain two receive antennas. The actual breakdown will be determined on a store-by-store installation basis.

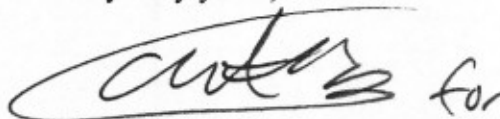
Sirius and XM have no plans to replace already-authorized or installed ISBs with ISBs containing a single receive antenna.

**3. Total Number of ISBs**

Sirius and XM believe that roughly 4,000 of the new ISBs will be deployed over the next two years. Accordingly, Sirius and XM expect that the total number of ISBs (*i.e.*, the number of already deployed ISBs plus the number of new ISBs) will exceed 8,500 within the next two years.

Please direct any questions regarding this matter to the undersigned.

Very truly yours,

A handwritten signature in black ink, appearing to read "Patrick Donnelly for". The signature is written in a cursive style and is enclosed within a large, hand-drawn oval.

Patrick Donnelly  
Executive Vice President and General Counsel  
Sirius Satellite Radio Inc.

cc: Cassandra Thomas  
Stephen Duall  
JoAnn Lucanik