

## Exhibit A

Pursuant to Part 5 of the Commission's rules, XM Radio Inc. ("XM") hereby requests a two-year experimental license to test Wireless Communications Service ("WCS") base stations using WCS C-block (2315-2320 MHz) and D-block (2345-2350 MHz) frequencies at the sites listed herein in the Dallas area. XM has been conducting tests of these WCS base stations since October 2005 pursuant to an experimental Special Temporary Authority ("STA"). *See* File No. 0660-EX-ST-2005 (Call Sign WB2XCA).<sup>1</sup> WCS Wireless License Subsidiary, LLC ("WCS Wireless"), the licensee of these frequencies in Dallas, has consented to this experimental operation.<sup>2</sup>

XM's current STA authorizing operation of these WCS base stations in the Dallas area will expire on April 12, 2006. On this date, XM has sought an extension of its existing STA for a period of 180 days. *See* File No. 0185-EX-ST-2006. Pursuant to Section 5.61(b) of the Commission's rules, this timely filed experimental license application enables XM to continue operations in accordance with the terms and conditions of its STA pending disposition of the experimental license application. 47 C.F.R. § 5.61(b).

The base stations will operate in compliance with the Commission's rules governing WCS base station operations, with the exception of Section 27.50(a)(1) which limits WCS base stations to 2 kW peak equivalent isotropically radiated power (EIRP). 47 C.F.R. § 27.50(a)(1). The base stations to be tested pursuant to this experimental license will operate at a maximum of 2 kW average, rather than peak, EIRP. WCS Wireless currently has pending a request for a waiver of Section 27.50(a)(1) of the Commission's rules to operate WCS base stations at average rather than peak EIRP.<sup>3</sup> WCS Wireless previously tested base stations in the Dallas area operating at 2 kW average rather than peak EIRP. *See* File No. 0205-EX-PL-2004 (Call Sign WD2XLJ). WCS Wireless did not receive any complaints of interference during this test.

The purpose of this experimental operation is to further design, develop, and test a WCS network in the Dallas area using base stations operating at a maximum of 2 kW average EIRP. The tests will include field-test measurements of design techniques through measurements of

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<sup>1</sup> Minor changes to two base stations are reflected herein relative to the existing STA, neither of which will increase the maximum emissions envelope established in the STA. 47 C.F.R. § 5.77. Specifically, one site in Dallas, Texas (North 32 44 28 West 96 53 42) has been modified to reflect the use of a directional antenna. Another site in Dallas, Texas (North 32 41 40 West 96 46 25) has been modified to reflect a revised antenna orientation in the horizontal plane.

<sup>2</sup> XM is the prospective transferee of the WCS licenses held by WCS Wireless. *See* Application, ULS File No. 0002240823 (filed July 15, 2005). XM understands that grant of this experimental license is without prejudice to the Commission's consideration of the pending transfer application.

<sup>3</sup> *See Wireless Telecommunications Bureau Seeks Comment on WCS Wireless, LLC Request for Waiver of Section 27.50(a), Public Notice*, DA 05-1662 (June 15, 2005). XM understands that grant of this experimental license is without prejudice to the Commission's consideration of the pending waiver request.

installed system performance. Among other things, in-field experimental tests will allow for validation and optimization of terrestrial signal-processing techniques. Testing will assess channel characterization, including multi-path characteristics, to assist in establishing and validating propagation and channel models. This experimental operation is a critical part of the planning required to design and develop a WCS network in advance of the Commission's July 2007 substantial service deadline for WCS licensees. *See* 47 C.F.R. § 27.14(a).