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May 21, 2008

Carl R. Frank
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Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: Amendment of Part 27 of the Commission's Rules to Govern the Operation of Wireless Communications Services in the 2.3 GHz Band-WT Docket No. 07-293; Establishment of Rules and Policies for the Digital Audio Radio Satellite Service in the 2310-2360 MHz Frequency Band - IB Docket No. 95-91, GEN Docket No. 90-357, RM-8610

Dear Ms. Dortch:

Attached is a letter from Andreas Fuchs to be included in the record.

Sincerely,

Carl R. Frank
Counsel for Sirius Satellite Radio Inc.

Laird
TECHNOLOGIES

global solutions
local support

Laird Technologies
4360 Baldwin Road
Holly, 48442

April 24, 2008

Subject: Affect of Noise Level on Satellite Radio Antennas

My name is Andreas Fuchs, I hold the position of Director of Advanced Engineering, Telematics Solutions, at Laird Technologies, Inc ("Laird"). I have held my current position for 9 years and have worked at Laird and RecepTec, which was acquired by Laird in 2006. I hold an electrical engineering degree from the technical college in Braunschweig Germany. I have been involved in the development and design of antennas for satellite radio for 9 years, worked with Sirius Satellite Radio Inc. ("Sirius") in developing the first satellite radio antenna, and hold a number of U.S. patents covering general antenna and satellite radio antenna inventions.

Laird Technologies is a leading global supplier of custom-designed and manufactured antennas for wireless handsets, data devices and networks. Laird Technologies is also a leading supplier of telematics products to vehicle manufacturers around the world. The telematics product portfolio consists of antennas and integrated reception systems designed to meet the multiple communications requirements of the modern driver, and include products such as satellite radio, AM/FM radio and TV, as well as information gateways such as navigation assistance, asset tracking and increasingly safety and security functions such as cell phone, GPS, tire pressure sensing, anti-theft devices.

During the development of satellite radio receivers, myself and others working with me observed that satellite signal reception was heavily influenced by the satellite radio receiver's noise floor. Based on this observation, the theory of building antennas for digital receiver systems was challenged many times over the years to achieve the required low noise floor levels to enable the reception of relatively weak signals from Sirius satellites located at tens of thousands of miles away from the receiver antenna. Laird Technologies and Sirius therefore spent a significant resources designing and testing satellite radio antennas to achieve satellite radio signal reception that would be acceptable for commercial application.

Consistent with the report prepared by Florida Atlantic University and filed with the Commission by Sirius, a typical antenna supplied by Laird Technologies for use in a satellite radio application will typically have a noise floor level of -113 dBm or lower measured in a 4 MHz bandwidth. This noise floor level is essential to ensure the necessary satellite radio signal reception.

Sincerely yours,

Andreas Fuchs
Director of Advanced Engineering
Telematics Solutions
Laird Technologies, Inc.
4360 Baldwin Road, Holly MI 48442