



April 1, 2009

Marlene H. Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street, SW
Washington, DC 20554

Re: Section 5.77 Notification
Experimental Radio Station WC2XRP

Dear Ms. Dortch:

Pursuant to Section 5.77 of the Commission's rules, Lockheed Martin Corporation ("Lockheed Martin"), licensee of Experimental Radio Station WC2XRP, hereby notifies the Commission that it is implementing certain permissive minor changes to its authorized experimental operations for a limited period of time. In a letter dated December 9, 2008, Lockheed Martin notified the Commission of certain permissive minor changes to this same authorization to facilitate the testing of prototype technology being developed under contract for the US Marine Corps. Specifically in that letter, Lockheed Martin notified the Commission that it intended to implement experimental digital operations in the 1264-1286 MHz and 1353-1392 MHz bands at its Cazenovia site where Lockheed Martin is authorized to conduct experimental operations in this band. In this letter we inform the Commission that the same testing, for the same purpose, will be done at our Syracuse site beginning on April 9, 2009. Lockheed Martin is presently authorized to conduct experimental operations in these bands at this site.

As before, these operations will be entirely consistent with the terms and conditions of its existing license authority, and will not result in any operations exceeding its currently authorized emissions envelope. Moreover, these changes will not involve increasing or decreasing the height of existing antennas, nor will they result in the relocation of any antenna structures.

As described in our letter of December 9, 2008, Lockheed Martin utilizes the subject experimental license to support testing under current contract with the U.S. Marine Corp. Lockheed Martin's existing federal contract (M67854-00-C-2008) was amended to include testing of prototype technologies for the U.S. Marine Corps. Testing at the Syracuse site is required in order to conduct tests of additional capabilities that are not available at the Cazenovia site. With respect to this particular testing, Lockheed Martin intends to utilize less bandwidth per signal (10 MHz) and less power (10 MW) than it is currently authorized to use (12 MHz and 240 MW, respectfully).

Lockheed Martin expects that testing data derived from these further experiments will improve the accuracy and efficiency of radar designs used in support of national defense, which would be entirely consistent with the public interest, convenience and necessity.

Please contact the undersigned with any comments or questions regarding this notification.

Regards,

A handwritten signature in black ink, reading "Giselle Creeser". The signature is written in a cursive, flowing style.

Giselle Creeser
Director,
Government & Regulatory Affairs
703-413-6983