

From: Thomas Pratt

To: Doug Young

Date: November 20, 2006

Subject:

Request for Info - File #0073-EX-ML-2006

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Message:

Dear Mr. Young:

Answers to questions presented:

Question 1: No, we do not intend to eventually comply with the Part 15 output power limits. The long term purpose of the study is to perform research and to collect data for the purposes of studying mobile MIMO channel characteristics. The request for permission to use ERP levels up to 5.1 watts is driven by the need to increase the dynamic range of these measurements. We do not intend to operate our data collection system indefinitely, but do anticipate that this study will be on-going over the next three years, until November, 2009. What we are requesting is to get temporary permission to operate at this higher ERP level for research purposes only.

Also note that the testing we are performing is mobile-to-mobile. The allowed transmit power levels that are specified in Section 15.247 for systems with antenna gains greater than 6 dBi assumes fixed point-to-point operation. The requirements for antennas having gains greater than 6 dBi allows antenna types 3 and 6 in our application to meet the FCC requirements, but we are unsure if the requirements differ for mobile-to-mobile operation. We request that the FCC give us some clarification on this point.

Question 2:– Yes we are seeking to operate over the entire 2405 – 2478 MHz band, and the other smaller bands can be deleted from the application.

Thank you for your kind consideration.

Joy E. Lupo