An answer to:

Re: FCC ID: AQZRF-7800B-VU104

Applicant: Harris Corporation RF Communications Division

Correspondence Reference Number: 37811

Form 731 Confirmation Number: EA628573

Date of Original E-mail: 07/20/2009

Based on Section 2.1091(c), MPE testing, NOT "estimation" is needed if source-based time-averaged ERP is greater than or equal to 3 W. Please determine the average ERP based on the TDMA frame-average RF power, then revise MPE exhibit accordingly.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee pursuant to Section 1.1108

DO NOT Reply to this email by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, E-Filing, OET Equipment Authorization Electronic Filing, Submit Correspondence, Select Correspondence pertaining to EAS (Equipment Authorization System). Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the email address listed below the name of the sender.

Answer
1. I recognize that ERP should be used for measuring power. Due to the licensed device not licensed at time of test, I cannot transmit through the antenna on my OATS, therefore I measured output power and added the antenna gain. I submit that this is a measurement and not an estimation. ACTION, I am changing the title from "Prediction of MPE limit at a given distance" to "Evaluation of MPE limit at a given distance". SEE MPE Evaluation.pdf.

2. No factor for TDMA duty cycle is presented as the modulation for test was 100% and max hold measurements were used. I submit that a max hold measurement of output power is worst case. In the user manual for professional installation and use, this worst case level was used to instruct a $\geq$ 36 cm separation distance for safe use.