

From: Kevin Lough

To: Doug Young

Date: December 07, 2012

Subject: Request for Info - File #0592-EX-PL-2012

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Message:

Fleet management is an important and growing industry. In order to further utilize the GPS technology these radio products must be tested before they are sent to dealers and after failures are received from the field. To qualify the vehicle tracking system, one must test the all the components of the system, including GPS. In order to test devices indoors a GPS repeater must be used. In particular, the Ublox GPS receiver is queried for latch, signal strength and time to latch. Without the GPS repeater, units do not latch and full functionality cannot be tested. The HNNRKIT supplied by GPS Networking Inc. consists of an antenna, powered amplifier and emitter. This reproduces the signal used strictly for testing. Failures from this testing are analysed. Failed GPS modules are then shipped to Ublox. Isolation and then analysis of these failures promotes further development and reliability of the GPS radio art.

I have also attached the EIRP calculation required for step 6 of section 8.3.28. I'm not completely sure how you demonstrate compliance with the other steps, such as stop buzzer.