



American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

March 18, 2007 – Revised March 21, 2007

RE: Telematics Wireless, Ltd.

FCC ID: NTADMMR1

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) For this type of device, the response to antenna connection provided has been previously accepted by the FCC after discussions with Joe Dichoso (Previous Device FCC ID: NTAMMR1, NTAEMMR1), as long as the manufacturer does not provide information to the users on how to remove the antenna and the unit is shipped from the factory already installed. The following information is from previous application FCC ID: NTAEMMR1

However external photos provided do not appropriately show the device with the appropriate connector covered. Please adjust the external photos.

- 2) It appears that a ferrite core(s) may have been used on some cable(s). However please note that the FCC expects the ferrites to already be placed on the cables provided to the user in a permanent manner (i.e. molded). The FCC does not want the burden of compliance to rest with the user. Installation of ferrites is typically only allowed for professional installers and not end users. Please note that the manufacturer will be responsible for providing these cables and information regarding installation of the ferrites should be removed from the manual.
- 3) Modifications were required on the RS-232. However given the below, it is uncertain if the USB was investigated or tested appropriately, and if so, was modifications required for this cable?
- 4) Test Photos appear to show different cable sets and connected devices (i.e. large white box for conducted emissions, small black box for radiated spurious) from setup to setup. The report suggests that all cables were connected for test, but photos do not appear to support this. Additionally, there are concerns about both the USB and RS-232 being tested appropriately. All appropriate configurations should be investigated (both power, and I/O). The report and photos should document the configurations effectively. Generally, investigation of the tests (both 15 subpart C and 15 subpart B) should investigate the various power inputs (solar vs. DC supply) and I/O for worse case, or a conservative test should have been performed with all cables attached – especially if the user can be expected to connect both for a given installation. It is uncertain if all proper configurations has been investigated.
- 5) Data tables state that all radiated emissions are > 20 dB below the limits. However test data shown in plots (i.e. 3rd harmonic), show much less. Please review.

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination.

Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. 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 sender.