



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

March 3, 2002

RE: On Track Innovations Ltd.

FCC ID: JNX-13560K915MCON

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

- 1) Please provide a FRN Number for On Track Innovations Ltd. This is now required for all Grantees - (reference MD Docket No. 00-205). To obtain an FRN online, visit the FCC's Web site at www.fcc.gov and click the Commission Registration System (CORES) link. For further assistance, please either refer to the FAQ at this same link; contact the CORES helpdesk at CORES@fcc.gov; or call the CORES helpdesk toll-free number: 1-877-480-3201.
- 2) The intended use for the system is not clear. Please comment or provide example applications.
- 3) Please confirm if the EUT operates only on a single channel or multiple channels.
- 4) Please provide photographs of the antennas as part of your external photograph exhibit.
- 5) The internal photographs seem to show a 2 terminal strip only partially connected to cables. Please confirm if all ports were filled during testing or provide the rationale used for filling the ports during test.
- 6) Information contained in the filing states the unit supports RS232 communication. Please explain the intended use of this port. If the unit is intended to be connected to a PC, then this may be considered to be a composite device subject to both the requirements of a PC Peripheral & TX requirements? (requiring certification, DoC authorization, or possibly verification depending on intended use and environment). Please explain.
- 7) The EUT incorporates standard connectors and the filing appears to support professional installation of the unit. If the unit will contain standard connectors, it "must" be installed professionally. Please provide an exhibit addressing the 3 points:
 - a) Application (or intended use) of the device
 - b) Installation requirements
 - c) Method of marketing the device.
- 8) Are the antennas designed to be installed in a particular orientation. If so please provide information from the manual or installation guide regarding this. If not, for all testes were they rotated about all 3 axis in order to obtain worse case measurements.
- 9) The test report states that the cable between the EUT and the 915 MHz antenna was 4 meters, while the cable between the EUT and the 13.56 MHz antenna was 7 meters. Please confirm that this is the minimum cable length that will be used. This information should also be part of the installation manual. Please provide the appropriate sections as part of your users manual exhibit.
- 10) ANSI C63.4 (as referenced by 15.31) specifies frequency stability to be performed in 10 degree increments. Data was not provided for -10, 0, 10, 30 and 40 degree C. Please provide either the missing test data or provide a notation on the data page with the engineering judgment used for not supplying this data.
- 11) It does not appear that a preamp was used for the 2 harmonic measurements provided. Therefore the ground floor of the instrumentation was only about 10 dB under the limit. Please comment on the dynamic range of the instrumentation for scans of harmonics from 3 to 9.5 GHz. A preamp was listed in the equipment list (2 - 18 GHz) but does not appear to be used for the third harmonic measurement. For example, when was a preamp used?
- 12) The field strength shown on pages 35 & 36 of the test report do not match the data shown on page 15. Please explain.
- 13) FYI, Plots A26 & A27 are mislabeled A25.

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Examining Engineer

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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.