



telemics

Telemics Inc.
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Louisville, KY 40202

5 November 2002

To: American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101
RE: Telemics Inc.
FCC ID: QC5-09-MSS1

Tim,

Below you will find replies to your questions / comments. Please let me know if anything is unclear or you have any additional concerns.

David Waitt
(Independent Consultant for Telemics Inc.)

1) Please provide photographs of each antenna listed in this application that was referenced in your reply. It does not appear that we received this.

[The antenna photos were omitted in error. They have been uploaded at this time.](#)

2) Please provide a photograph or drawing showing label placement on the device. A photograph was provided of the bottom of the board that had a sticker labeled "FCC", but it is not certain if this was meant for the "FCC Label". Is this where the label will be placed?

[The "FCC" sticker is intended to show the location of the FCC ID label.](#)

3) Please comment on the fact that the photographs (not previously provided) appear to contain both a MMCX connector and helical antenna. The manufacturer should provide only one or the other when sold so that integrators will not simply be able to install an external antenna simultaneously with the helical antenna.

[The module incorporates two connectors to accommodate either antenna \(Of course, for the helical, antenna, the connector is simply a "pad" on the board\), however the connector to be used is selected with a 0 Ohm chip resistor.](#)

4) The Users Manual still contains reference to the + 5 dBi gain antenna that has been removed from the application per our discussions. Please provide an updated manual.

[The reference to the 5dBi antenna has been removed from the manual](#)

5) The RF exposure statement in the manual are still missing co-location information. It does not appear that these were added as specified in your reply. Specifically the following should be added "This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter".

[This statement has been added to the RF exposure statement in the manual.](#)

6) Additionally, the users manual should contain information as specified by 15.105(a) or (b) as appropriate.

Please note that if the device is classified as Class A, a justification as to this should be provided.

Since this manual is intended to address the use of the module, classification of either Class A or Class B is not applicable. The module could be incorporated into either class of host.

7) The test receiver emissions provided do not explain at what test distance most of this testing was performed at. Additionally, from looking at the data and margins, it appears that European limits may have been applied instead of Part 15 limits. Please comment.

This will be clarified as soon as possible.

8) FYI, Telemics Inc. or any integrator is still responsible for re-testing the digital device/receiver emissions for each device this module is installed within even though the Transmitter does not require retesting.

This is understood by Telemics and the two Telemics radios that incorporate the module have been tested and found to comply with Part 15 as a Class A device.

On behalf of Telemics, Inc.

David Waitt