



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

April 29, 2009

RE: Dataradio COR Ltd.

FCC ID: NP45098-500

After a review of the submitted information, I have a few comments on the above referenced Application. Depending on your responses, kindly understand there may be additional comments.

- 1) The updated RF exposure information has typos that state 10 dBi for each calculation. Kindly correct.
- 2) Regarding test report, kindly provide calibration information regarding test equipment calibration dates and a statement as to the traceability of the calibration. Optionally, you may provide evidence that the test facility is 17025 accredited.
- 3) Output power & emissions masks do not appear to have been tested at a frequency allowed in both Part 90 and Part 101. Please reference <http://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=29245&switch=P> section f.
- 4) From RF exposure and antenna gain, it appears this is a fixed station. For frequency stability, there are bands in Part 90 that require 0.1 ppm, vs. 1.5 ppm (for 935 – 940 MHz). It would seem test data exceed this value. Please review. Note the same concern exists for RSS-119.
- 5) It appears the rules only allow for use of the 3.30 and 3.55 kHz bandwidths in part 90. Please confirm.
- 6) Mask E limit specified mentions 12.5 kHz at 50 + 10 log or 65 dB. This appear incorrect. This should be for > 4.6 kHz at 55 + 10 log or 65 kHz.
- 7) Kindly provide a higher resolution plot for 10 W, 3.30 and 3.55 kHz bandwidths, 10 W 8.3 kHz Mask D, & 10 W 16.5 kHz and 16.8 kHz mask 101.111(a)(6). For example, using a span of 30 – 50 kHz and if possible use 2 color traces (i.e. one for limit, one for waveform). Clear compliance can not be determined from the plots provided.
- 8) Please explain compliance to 90.203 (e) or (g) as appropriate. Note that software would be considered external control if the user has access to this.
- 9) Please explain compliance to RSS-119 3.4.
- 10) Test report does not provide sufficient info to show 90.210 (o) RBW requirements were met. The same concern exists for RSS-119 4.2.1/4.2.2.
- 11) Please explain compliance to 101.131.
- 12) Please explain compliance to 90.637 (4), 90 subpart S in general, and applicability to this device.
- 13) All mask measurements were made with 100 Hz. However for some masks (see G, and J) specify to use 300 Hz. Please review.
- 14) Please explain compliance to RSS-119, section 5.13.2.

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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.