



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

January 27, 2003

RE: Z-COM Inc.

FCC ID: M4Y-00735

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

EMC Report/General:

- 1) Please provide a higher resolution copy of the label. The FCC ID on the sample label provided is not easily readable.
- 2) The antenna's shown in the schematic appear to be for 2850 and 3030 MHz, not 2400-2483.5 MHz. Please explain.

SAR Report:

- 3) The EMC report listed a maximum power output measured of 17.85 dBm, while the SAR report listed 17.42 dBm. Please note that the FCC has stipulated that the conducted power in SAR report must be greater than or equal to what's in EMC report, but not exceeding tune-up/tolerance power specified.
- 4) The Operational Description lists a power output of 15 dBm. The output power is expected to be within 0.5 dB of the claimed power. Please explain.
- 5) Section 3 of the test report lists a ET3DV6 (S/N 1577) probe, while section 3.2 lists an ET3DV5 probe. The test equipment listed in Section 9 do not show a probe with that serial number or model as listed in previous sections of the report. The probe information supplied is for a model ET3DV6 (S/N 1578). This report has been reviewed assuming the probe information supplied was the actual one used during test since it was listed on the SAR plots. Please correct sections 3 and 3.2 of the test report with the proper information for the probe used.
- 6) For testing to 2.4 GHz devices, the FCC has informed us that for the liquid confirmation (see test report section 7.3) 10% for both permittivity and conductivity are not acceptable. The permittivity must be $\leq 10\%$, while the conductivity must be $\leq 5\%$. The conductivity measured exceeded these values.
- 7) The photographs show the distance of 0.7 cm for the 2nd configuration tested, however the table 7.5 states 1.5 cm. Please explain.

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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.