



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

March 31, 2006

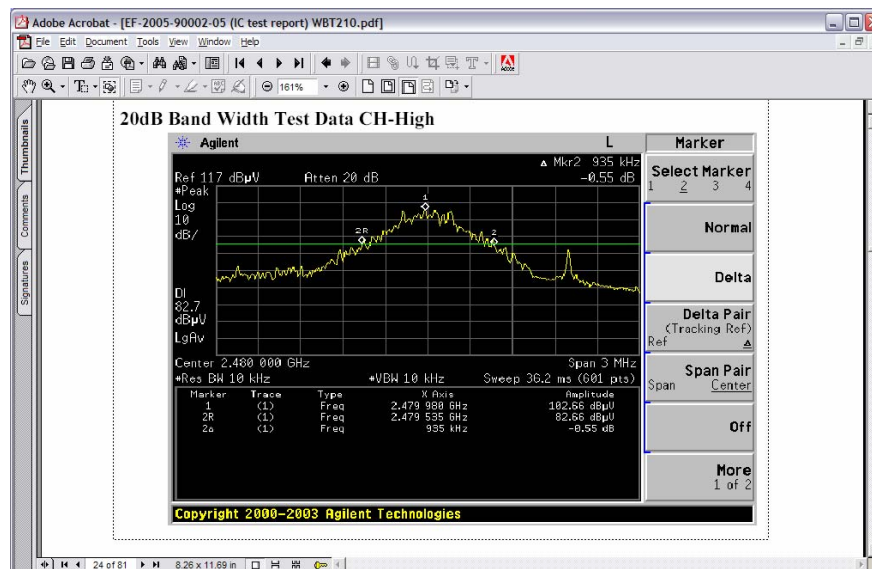
RE: Two Technologies Inc.

FCC ID: RYJJETTXL

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

FCC:

- 1) Frequency range given on the 731 form states 2402 – 2481. Normally BT devices for operation in North American are 2402 – 2480 MHz. Additionally, the Equipment code for Bluetooth as shown in this application should be DSS. Please review/correct.
- 2) The internal photographs may not normally be held confidential strictly on the basis of trade secrets. Please remove this justification from the letter of confidentiality or provide a better justification. As an alternative, you note that you may use a black marker to "black out" the top of any readable components and provide new internal photographs. Please let us know how you wish to proceed with this issue.
- 3) Schematics appear to show both Bluetooth and 802.11 for this device. Please explain. Please note that the FCC desires that schematics are only for the device being approved. Please review.
- 4) Please explain the reference to GPRS on page A-1 of the manual. The approval for this device will not currently be approved for co-location. This may require a Permissive change to this application or a new FCC ID altogether depending on the nature of the GPRS transmitter. Please confirm your understanding of this, or alternatively remove reference to this from the users manual.
- 5) The FCC desires graphical data for such tests as 4.3.2 (# hopping channels), 4.3.4 (channel separation), 4.3.6 (Antenna Port Conducted Emissions), 4.3.4 (Spectral Density). Please review/correct.
- 6) The 20 dB occupied bandwidth for a Bluetooth is typically just under 1 MHz. Usually when a narrow occupied bandwidth is shown, it is found that the occupied bandwidth/bandedge tests may not have been activated with proper modulation. Please review/correct as this will affect these results (bandedge, occupied bandwidth, spectral density). Below is a typical 20 dB test result.



- 7) It does not appear that report documents RBW/VBW setting used for various radiated tests (< 1 GHz, > 1 GHz, Peak, AVG) or information regarding correction for pulsed emissions (duty cycle corrections) taken into account during testing. Please review.
- 8) Users manual should include RF exposure statement similar to the following, please update:  
The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 9) FYI....It is recommended due to 15.247 RF exposure requirements, that an exhibit similar to the example provided be included in the application. Note that due to power levels involved, this may be considered Portable without a problem. Alternatively, please provide section 4.3..7 of the report as a separate exhibit under RF exposure. Please review.

IC:

- 10) Please see occupied bandwidth comments above. Note this will affect reported values on the IC form. Please review/correct.
- 11) Emissions designator on IC form is typically cited as G1D.
- 12) IC also requires reporting of Receiver emissions for spurious/AC powerline conducted. Please explain if these results are covered by the tests provided. Please note that receiver emissions are equivalent to Class B levels and not Class A.



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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.