



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

September 10, 2003

RE: Polymap Wireless LLC

FCC ID: QYPPWR0701

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

- 1) Photos are not normally held confidential. Justification must be provided to hold photographs as confidential. Justification could include: (1) special tools required to open the case, (2) the circuitry may be potted or covered in epoxy, (3) the company professionally installs the product and it is not directly viewable by the public during use or after use, and (4) the product may involve new technology. Trade secret is not sufficient justification. New technology, if it is documented, can be justification for holding photos as confidential, but for example, a basic FM transmitter is not new technology. Please provide an updated letter of confidentiality that justifies why the antenna photographs should be held as confidential, or as an alternative, 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.
- 2) The label states "FCC: QYPPWA0701". Please correct the label to state "FCC ID: QYPWA0701".
- 3) Please provide higher resolution test configuration photographs if available.
- 4) Please provide information regarding the RBW and VBW settings used for radiated emissions measurements.
- 5) The test report appears to be missing the following: output power measurements, 20 dB bandwidth, channel occupancy, channel separation, channel dwell time, number of channels, etc. as shown in the previous related report and the summary page of this report. Please provide.
- 6) Given the missing output power in the test report, it is uncertain of the method used. However the power listed on the 731 form is less than 0 dBm, while the chip used in this device appears to have an output of 4 dBm. Additionally, the desired method is to use far field equations to determine a conducted output power. Please explain and/or correct the necessary exhibits.
- 7) Given the output power of this device (around 4 dBm) and antenna gain of 6 dBi, the expected output power of this device will exceed 5 mW. However, this device is not really considered a portable device given its design and use, and should be considered as a mobile device. Please correct the RF exposure exhibit for this issue by calculating the power density at 20 cm. Additionally, the users manual should include the typical statements required for mobile devices ("This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter").
- 8) FYI, This certification only covers the TX portion of the device and does not cover any requirements necessary for the telecom portion of the device.

Timothy R. Johnson
Examining Engineer

[mailto: tjohnson@AmericanTCB.com](mailto:tjohnson@AmericanTCB.com)

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.