



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

October 28, 2005

RE: Vyyo Inc.
FCC ID: PBJV284-A

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

- 1) Please provide an internal photograph #3 with all shields removed.
- 2) Please explain how the 75 to 50 ohm conversions were taken into account in any testing done with a direct attachment to the antenna port (i.e. power, conducted spurious, bandedge etc.). The concern is that many measurements are marginal to limits, and typically the insertion of a minimum-loss pad (75 to 50 ohms) requires a correction of about 5.72 dB.
- 3) Please explain why the power limit for FCC ID: PBJV284 was use for fixed installation, while the FCC ID: PBJV284-A was used as mobile/control stations. This appears inconsistent as both appear to have a 30 W ERP limitation.
- 4) Please explain how power output was calibrated in terms of RMS equivalent voltage according to 27.50(c)(4).
- 5) Users manual should contain antenna installation instructions regarding RF exposure conditions necessary for the installer/user to be in compliance with RF exposure requirements and/or any co-location limitations. Please update.
- 6) Please define and justify the use of the emissions designators given on the 731. Note that the measured bandwidths appear different than on the 731. Additionally, please clarify which is intended for QPSK and which is intended for QAM.
- 7) Please provide both current and voltage applied into the several elements of the final radio frequency amplifying device for normal operation over the power range per (2.1033(c)(8)).
- 8) Please explain compliance to 47 CFR 27.55.
- 9) The report appears to be missing the information required by 25.53(e).
- 10) FYI....The AC power conducted emissions appear to have an extension between the LISN and Adapter. Generally every effort should be made to plug the adapter as close to the LISN as possible. Please be careful of this in future applications.



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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.