

## Mike Kuo

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**From:** Thomas Cokenias [tom@tncokenias.org]  
**Sent:** Monday, January 16, 2006 10:56 PM  
**To:** Mike Kuo  
**Subject:** Fwd: Vyvo Inc., FCC ID: PBJV3000-A, Assessment NO.: AN05T5325, Notice#1  
**Attachments:** A band label.doc; ATT2069443.htm; WMTSIntPix.pdf; ATT2069444.htm; FAT\_V10a (3).doc; ATT2069445.htm; A-band conf.doc; ATT2069446.htm

Mike,

Here are the answers to your questions. Please let me know if you need further clarification.

best regards

Tom

Original Message:

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From: Mike Kuo [mike.kuo@ccsemc.com](mailto:mike.kuo@ccsemc.com)  
Date: Thu, 29 Dec 2005 17:02:17 -0800  
To: [tom@tncokenias.org](mailto:tom@tncokenias.org)  
Subject: FW: Vyvo Inc., FCC ID: PBJV3000-A, Assessment NO.: AN05T5325, Notice#1

Question #1: Please provide internal photos of V3000-WMTS Modulator.  
The photos submitted only contain external view of complete system.

ANS1. Photos attached

Question #2: Two manual files were submitted. One is V3000 system configuration guide and the other is XMTS system configuration guide. There is no tune up procedures or operational description have been submitted. If tune up procedure or operational description are contained in manual files, please extract such information and submit the information as tune up procedure and operational description.

ANS2 The attached document called FAT has the tune-up procedure. This document is under confidentiality, attached also is revised confidentiality letter.

Question #3: FCC ID label format and proposed label location: The FCC DoC logo is used but the orientation of FCC DoC logo is up-side-down. Please make necessary correction. Since this system is licensed transmitter per Part 27 requirement, FCC DoC logo is not applicable to this system. You may want to remove it. In addition, the proposed FCC ID label location is placed on the outside of 19 inches rack. Per the

system configuration diagram, there are additional FCC certified device ( FCC ID:QH5TAU100 , 100W amplifier ) within the system. If FCC ID:PBJV3000-A is placed on the outside of system, it may mislead the user manual that PBJ3000-C is included 100W amplifier. Suggest to place PBJV3000-A on the V3000-WMTS unit.

ANS3 Corrected label and label location photo attached.

Question #4: Please provide technical information to address RF exposure compliance per section 27.52 /2.1091 requirements.

ANS4 RF exposure is addressed at time of licensing. Antennas are typically installed on towers, at least 50' above ground, more typically 200-400' in the air.

The Rules limit eirp to 1000 watts or less. At 50 ft (15m)

$E, 15m = \text{SQRT}(1000)/15 = 31.6/15 = 2.1 \text{ V/m}$ , well below uncontrolled limit of 61 V/m

Question #5: As indicated in section 27.50(b), the output power limitation is based upon the type of service and antenna height. In the user manual, there is no such information provided to the installer. Please address.

ANS5 Antennas are typically installed on towers, at least 50' above ground, more typically 200-400' in the air

Question #6: Please address signal strength requirement as stated in section 27.55(a)(2).

ANS 6 The field strength contours are determined at time of licensing and are a function of licensee antenna type, antenna height, and local terrain.