



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

April 19, 2004

RE: FCC ID: PYANMM-1_ATCB001282

Attention: Lasse Vaattovaara

I have a few comments on this Application.

1. FYI - Please note that the FCC has designated W-CDMA (Wide Band CDMA) and CDMA emissions designator as F9W. Only the first part of the emissions designator (frequency) changes. This means that the designator for the W-CDMA on the 731 should be 4M14F9W instead of 4M14XXW.
2. Please note that on page 3 of the internal photos there is a shielded area of the board on the right. Please remove the shield and show the components underneath.

Bluetooth device

3. Please provide a block diagram for the Bluetooth transmitter.
4. Please note that I could not find the portion of the schematics that dealt with the Bluetooth transmitter. Please provide the Bluetooth schematics or please clearly point to the portion of the schematics that deal with the Bluetooth transmitter.
5. It appears that there is material behind the device during Bluetooth radiated emissions testing shown in the setup photos. However, there is no mention in the report as to how much if any affect this material has on the emissions from this device above 1GHz. Because many materials begin to affect the rf emissions above 1GHZ (especially above 3GHz) it is not known if the values recorded are accurate or not. Please verify that the material surrounding the EUT on three sides has not rf characteristics that would adversely affect radiated emissions testing between 1 to 24GHz.

GSM – WCDMA device

6. Please note that the nominal operating voltage and the battery cutoff voltage are listed on page 26 of the GSM report as the same voltage. Please explain how this is possible. Please specify what the allowable battery operation endpoints are for this device (i.e at what battery voltage extremes will this device continue to operate?). Please then provide voltage frequency stability for these minimum and maximum voltage end points in accordance with 2.1055d2.

W-CDMA device

7. Please note frequency stability data has not been provided for the W-CDMA modulation. Please provide frequency stability data for W-CDMA operation. Alternately, please adequately explain why frequency stability data was not provided.

SAR report

8. Please note that the maximum listed drift listed on page 4 of the SAR report is .29dB (about 7%), yet the highest drift reported on the plots is only 0.1dB (less than 5%). Please explain.

Dennis Ward

<mailto:dward@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.