



## Original Equipment Certification Application - Additional Information

March 31, 2002

American Telecommunications Certification Body, Inc.  
6731 Whittier Avenue  
Suite C110  
McLean, VA 22101

RE : Original Equipment Certification Application  
FCC Tx ID : AB6NT1900MFRM2

Dear Sir/Madam

This letter is to respond the additional information that requested by ATCB. The responses to your comments are listed below:

*Question 1) The internal photographs should include the top and bottom of all boards included in the RF path. It appears that some photographs may be missing (i.e. bottom photograph of PA board). Please provide any missing photos.*

The picture for the bottom side of the PA board wasn't submitted because there was no circuitry at the bottom side and also the bottom side of the PA board was glued to the heat sink through thermal glue.

As requested, a picture was taken to show the bottom side of the PA board with the heat sink attached and included in the "Exhibit 6 – Internal Photos". The updated document was submitted to the ATCB web site as "Additional Information". The updated "Exhibit 1 – Certification Application" letter was updated to reflect of adding an extra exhibit and was submitted to ATCB web site as well.

*Question 2) Please provide a clearer or higher resolution copy of the label. The characters must be easily distinguished.*

As suggested, a much clearer label drawing has been provided and submitted to the ATCB web site as "Additional Information".

*Question 3) Please provide a separate exhibit for the test configuration photographs.*

As suggested, the test configuration photographs has been submitted as "Exhibit 11 – Test Setup Photos" to the ATCB web site under "Additional Information".

*Question 4) Section 6 of the 731 form appears to list RX frequencies. Please update this section to list the TX frequency range.*

The frequency range stated in Section 6 of Form 731 was 1930 to 1990MHz. The frequency range stated is the Tx frequency range of the CDMA PCS band basestation and should be correct.

*Question 5) Please provide information regarding DC voltages/currents applied into the several elements of the final radio frequency amplifying device for normal operation over the power range*

The information requested is provided in the updated “Exhibit 2 – Test Report Summary” and submitted to the ATCB web site as “Additional Information”.

*Question 6) The test report seems to present radiated spurious test data following typical radiated methods such as ANSI C63.4 and then calculating TX power limits via far field equations. Please note that when the limits are given for ERP/EIRP and in dBc ( $43 + 10 \log P$ ) then the device must be tested following substitution methods specified in EIA/TIA 603. Please reference email interpretation from Frank Coperich that defined this policy provided in a separate attachment.*

As suggested, CMAC has updated and included the “substitution method” in the test report. The updated test report has been submitted as “Exhibit 2B – Test Report Provided by CMAC” to the ATCB web site under “Additional Information”.

Please contact me for further information if necessary.

Sincerely,



Signature

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