



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

March 1, 2006

RE: FCC ID: OJFMA1K-CELL-PCSE_ATCB003085
Attention: Alex Usoskin

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please explain what the covered section is on the bottom view internal photo. If this covers circuitry, please remove this cover and show the underlying circuitry.
2. Please note that the operational description states that this is an in building repeater. As such, this device would operate under the existing license of a base station. This also means that as this device itself is not licensed at the time of installation, MPE calculations must be provided at the time of certification. Please provide an MPE report supporting the 20cm safe distance stated in the manual (please note that this would be the use of an antenna with maximum gain of 16.3dBI).
3. Please note that the data sheet and manual states that this device operates in the iDen and SMR services. Page 3 of the manual states that the low band service is capable of cellular 800, iDEN, paging, or GSM 900. The 731 states that the low band consists of TDMA and CDMA signals. Please note that iDen and SMR are part 90 operations. If this device (RHU1000) is intended to operate or has the capability to operate) in the iDen and SMR services, please provide the necessary part 90 application information including reports, 731 etc. Also, if the RHU 1000 can provide GSM services in addition to those stated in the 731 for the low band, please provide a 731 that lists this feature. Please be consistent in the documentation concerning operation and use of this device. Please accurately and fully explain exactly what services and features this specific device is capable of providing.
4. Please note that the manual states that the RHU 1000 can be configured to handle "Add on" services. One of these services is WLAN capabilities. The drawing on page 14 of the manual indicates that these additional services are fed into the RHU1000, thus appearing as if the RHU 1000 can transmit these signals. Please explain and please provide all appropriate test data and information on all services capable in the RHU100.
5. Please note that the operational description states this is an in building repeater. The operational description apparently uses the term uplink for both the 869MHz downlink frequencies received by the cell phone and the 824MHz uplink signal sent to the base station (see page 2 of the operational description). It appears that the uplink 824MHz band is sent via light by the RHU to the BU which then sends the signal to the base station and the downlink 869MHz is received via light and radiated to the cell phones in the building. Please clarify the uplink and downlink paths in the operational description for this device.
6. Please provide the tune up procedure for this device. If there is no factory tune up done on the device, please so state.
7. Please note that the CDMA plots shown on page 21 to 23 of the report do not appear to be CDMA bandwidths. Please note that CDMA plots typically have much sharper upper and lower edges than indicated. Please explain.
8. Please note that the application mentions GSM, but no such signal appears to have been tested. Please explain.
9. Please note that the OBW plots on pages 80 to 82 do not appear to be CDMA signals as stated. Please explain.
10. Please note that in an attempt to open the schematic exhibit an illegal operation occurred and some of the information can not be loaded. Please provide a schematic exhibit file that does not cause an illegal operation.

Dennis Ward

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<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.