



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

May 12, 2005

RE: FCC ID: POCWLNB1_ATCB002419

Attention: Joel T Schneider

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 note that the power level recorded on the RSP100 for is 33mW, but the value shown in the report is a conducted power of only 26mW. Please explain and please provide an RSP100 with the correct measured power.
2. Please provide a block diagram that meets the requirements of 2.1033. Such diagram needs to show the oscillators and signal paths of the associated transmitter device.
3. In the internal photo exhibit (page 1) there appears to be copper tape. Please explain if this copper tape is used for shielding purposes and please explain if this is an engineering fix or if this is installed at the manufacturer. If this is an engineering fix, please provide an attestation from the manufacturer that this will be implemented in the final product.
4. It is unclear from the plot data on page 45 of the report if the device is compliant to the restricted band limit of 54dB_{UV}/m at 2390MHz. Please note that the plot does not indicate if the level on the analyzer screen is a corrected value or not. Also, the restricted band frequency of 2390MHz is not clearly marked. However, estimating where 2390MHz would be places the level for peak emissions at about -48dBm or 59dB_{UV}/m, which may mean the device is not compliant as no average data at that frequency has been provided. Please explain and please provide compliant data for the restricted band at 2390MHz.
5. Please note that for frequencies above 1GHz in the restricted bands there are two limits that must be met. The average limit of 54dB_{UV}/m and the 20dB over the average limit (74dB_{UV}/m) specified in 15.35(b). While the data on page 41 of the report shows average limit compliance for 2, 7 and 10 GHz, it does not show compliance to the peak limit, nor does it show compliance to the restricted bands in those frequencies. As there are restricted bands in all of the ranges stated, the frequency listed needs to be more accurate and definitive than 2, 7 and 10GHz. Please provide peak data showing compliance to the 20dB over the average limit as required by 15.35(b) in the restricted bands. Where the peak data is over the average limit, please provide average data as well.
6. Please note that as all of the recorded radiated emissions frequencies above 1GHz are exact even frequencies (i.e. exactly 2, 7 and 10 GHz), it is not clear from this data if measurement of the harmonics of the device were performed. Please verify and show evidence that the harmonic emissions of the fundamentals between 2412 and 2462MHz were investigated.

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.