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From: oetech@fccsun27w.fcc.gov
Sent: Thursday, February 26, 2009 11:30 AM
To: steve@pctestlab.com
Subject: Response to Inquiry to FCC (Tracking Number 269431)



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Office of Engineering and Technology**Inquiry:**

---Reply from Customer on 02/24/2009---

Please find attached updated information per our meeting at OET. Please inform us if this information is sufficient to submit to the TCB. Thanks.

Response:

PBA has been granted. This PBA application was reviewed and granted after meeting the PBA minimal requirement for grant. Requested additional information can only be addressed after TCB grant and during FCC final review towards final approval. This PBA is closed and the response is final.

There are a few items for you correction and attention listed below but you may continue with the understanding that these will be addressed. Although we have found the PBA acceptable at this point, with these points addressed, we would expect future WiMax PBA requests to more fully address all required information in the initial application to FCC so that these delays and back and forth requests for additional information can be avoided. We will audit this application and determine if the issues were addressed

Please work on the duty factor and PAR determination per our discussion. More detail clarification is needed to be provided to former responses listed below . Provide tabulated data for Peak, Average power that is consistent with the output power of the device for each modulation and for mid, high and low frequencies.

Show how 8.0dbm PAR was determined using average power of 23dbm which is the not the max actual operating power of your device.

2. More detailed info is needed on how the duty factor, PAR, for each modulation are determined. The submitted plots do not support your duty factor and PAR data. Explain if the duty factor were determined from within the burst or on entire frame .

3.. Detail information on the software limitation during test.

If the device has been tested with test software; we need to know how the test parameters are related to the parameters required by the carrier's infrastructure during normal use. We need both time domain and frequency domain parameters.

Does your test software for the given chipset have a limitation that could limit device output in certain test mode configuration(s); were such issues considered or addressed in this case by using the ESG? We need more details so that we can determine what duty factor applies for testing this device

Detail information on how the DL:UL (29:18) worst case was determined and for which Channel Bandwidth How do you associate all these with the DUT protocols. Be reminded that reduction test is only approved by FCC on request after detail demonstration on the need for the reduction test. Otherwise, all tests for all Bandwidth and modulation are required

4. What type of Band AMC was used. Provide more specific detail explanation of usage of a Band AMC Zone Based on Multiuser Diversity using frame structure . what algorithm did you use.

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