



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

September 3, 2007

RE: DTC Communications

FCC ID: H25HVT-250-S

I have a few comments on this Application. Depending on your responses, kindly understand there may be additional comments.

- 1.) Both the Technical and Non-Technical contact information [Section 2.(a) and 2.(e.)] is not filled in on our Form 731. AmericanTCB always suggests that at least one of these contact parts be filled in completely. Kindly provide this information.
- 2.) Measurement of RF power is very tricky on broad band "flat top" emissions. The Test Report indicates an HP 8481A power head is used in conjunction with an HP 437B meter. The basic 'rule of thumb' for RF power measurements of broadband emissions is to be sure the power sensor video bandwidth is greater than the 6dB bandwidth of the emission being measured. Please review your RF power measurement procedure. As an alternative, you can integrate in linear fashion the power across all 399 individual carriers to define the total RF power output. Your Test Report does not clearly state your measurement results.
- 3.) You have chosen an unusual set of spectrum analyzer parameters for measurement of occupied bandwidth and your mask presentations. In general, VBW should never be less than RBW, and RBW should be no less than 1% of emission bandwidth. Using this philosophy, I would expect to see use of 25KHz RBW. Please justify the use of these unique instrument settings. (FYI: Please do not place 9 plots on a page. Have pity on my eyes – they are very difficult to read.)
- 4.) FCC Rules state that a tune-up procedure shall be provided for all Licensed transmitters. In lieu of a specific tune-up procedure, a document which indicates how devices are monitored during production to be certain that they will stay within the RF power limits specified on the Grant is acceptable.
- 5.) FYI: The proper Equipment Code for this device as reported on Form 731 will be TNB.

William H. Graff  
President

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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.