

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

June 5, 2001

RE: Topaz3, LLC  
FCC ID: 07KTK514

Most of my comments from the May 22 notations on this device were addressed. There is one issue that still needs resolution.

- 1.) Temperature Test: Please refer to TIA/EIA 603. The Methods of Measurement for Unit Characteristics section is the closest to the intent for the FCC temperature test. Under 2.3.2 Temperature Range you will find 2.3.2.2 Method of Measurement. Pay specific attention to section c), d), e), and f). It is as important to note this in any test report for Licensed transmitters, as it is to note testing in "three orthogonal planes" for Part 15 devices subject to the methodology of ANSI C63.4. Please consider revising your procedures to allow for a power off condition when incrementing in 10 degree increments.

We noted your reference to section 2.3.2 of TIA/EIA 603.

The test report section "7.1.1 Procedures", indicates reference to the appropriate standard used.

The procedure outlined specifies the following:

"The frequency stability was measured within one minute after application of primary power to the transmitter... A ½ an hour period was observed to stabilize the EUT at each measurement step and the frequency stability was measured within one minute after application of primary power to the transmitter."

Consequently, the power off condition is effective between two temperature increments of 10 degrees.

- 2.) My final comment from the May 22 letter was mis-spoken. The intent was as a FYI: preferred units should be in ppm.



William H. Graff  
Examining Engineer  
President and Director of Engineering  
<mailto:whgraff@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.