



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

September 13, 2002

RE: FCC ID: OJFTRAKRW
Attention: Wayne Langston

I have a few comments on this Application.

- 1 The title page of the report states that the report is for SUBPART "C" – UNINTENTIONAL RADIATORS. Please correct the report to reflect the proper type (i.e. Intentional radiator) xxx
- 2 Please note that ANSI C63.4 requires the use of calibrated test equipment. Your report does not indicate that the equipment you used was in calibration. Please provide objective evidence of the calibration dates of the test equipment used to make measurements on this device. xxx
- 3 Please note that on pages 13 and 15 of the report the column for frequency has no unit value. Is the frequency in kHz, MHz, GHz? Please note assumptions cannot be made. Please correct the report to show frequency units as appropriate. xxx
- 4 Please note that on page 13 of the report you state no correction factors. You also state that a R&S Loop Antenna HFH2-Z2 was used. Please verify if this is an active loop or a passive loop antenna and consequently if the correction factors for this loop were included in the analyzer offsets and/or transducer inputs. If they were not included in the analyzer internally, please correct the report to list the correction factors for the loop antenna. xxx
- 5 Please note that on page 15 of the report you do not indicate what type of antenna was used above 30MHz. Please provide information on the receive antenna used above 30MHz. This includes calibration dates. xxx
- 6 On page 13 of the manual you state that field strengths were accomplished by the antenna substitution method of TIA603. Please note that the limits for this device are measured field strengths not by antenna substitution. TIA 603 is typically used to determine power delivered to the antenna when compared to a dipole, not field strength measurements of Part 15 devices. Measurements are a closer distance using distance correction may be employed if measurement cannot be made at 30 meters. However, you also indicate that a measurement of the fundamental was at 30 meters. Please provide this measured data or please explain why a licensed device test method (substitution) was used for an unlicensed intentional radiator in calculating a field strength limit. If the data is the measured 30 meter data, please confirm. xxx
- 7 The manual does not contain the information to the user caution statement per 19.21. Please correct the manual to include this statement (i.e. no modification). xxx
- 8 Part of the label information is to include information as to the material used. Please provide this information about the label. xxx
- 9 The operational description and the schematics have not been provided. Please inform you client he must provide these items in order to proceed with the evaluation. If these items are desired to be confidential, please correct the confidentiality request to include these items. xx
- 10 Since this device connect to a computer, please explain if the device is a Class A or B. If Class B, please provide the DoC and FCC logo. xx

- 11 Please provide evidence that the antenna requirements of 15.203 are met. This can be by a permanent antenna connection or by a unique connector, or the device (if a standard connector is used) can be professionally installed. Please explain and provide evidence as to the antenna connection of this device. xxx



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.