

American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

August 11, 2003

RE: FCC ID: ONJ-3ECJ68B3E_ATCB000665

Attention: Kathy Grzovic / Rick McMurray

I have a few comments on this Application.

1. Please remove the shielding from the PSU/TCXO Bottom Assembly and show the circuitry underneath.

Response: Please note that this picture was shown on page 1 of the following exhibit which was uploaded with the original application. The picture with the shielded was shown in another exhibit, which perhaps led to this comment.

"Plessey 2003129 ORION 5810i FCC & IC Test Report APX L IntPh Pt 2.pdf"

2. Please note that the specs say the device has a power range of +2 to 24dBm. Please note that the power measured was 24.4dBm. This exceeds the maximum power specification. Please explain.

Response: The 24 dBm stated in the user's manual represents a nominal power rating. The power levels presented in the report were actual measured power levels of the device as tested. This device is well within the power level requirements of FCC Part 15.247(b)(3).

3. FYI - Please note that your non-modification statement (The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.) appears to speak only to those modifications that cause interference. This is not the intent of the non-modification clause. The non-modification clause is intended to address any and all unauthorized modifications, regardless if they cause interference or not. The modification clause shall inform the user that "changes or modifications **not expressly approved by the party responsible for compliance** could void the user's authority to operate the equipment."

Response: This is noted, and the client has been advised to update this statement in the manual.

4. Please note that there appears to be copper tape on the dish shown in the setup photos. Is this a modification to the antenna? If so, what purpose does the tape perform. IF this is not a modification to the antenna, please verify.

Response: The tape shown on the dish is made of non-metallic material, not copper. The tape was used to steady the antenna during testing.

5. Please note that 2.1033(a)(6) states that, "The report shall include sample calculations showing how the measurement results were converted for comparison with the technical requirements." This is especially important when you lump all correction factors into one "site factor". Please provide or please show where in the report these sample calculations are located.

Response: The statement in regard to Part 2.1033(a)(6) has been included in section 5.1 of the revised test report uploaded with this response.

Dennis Ward

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The items indicated above must be submitted before processing can continue on the above referenced

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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.