

American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

July 2, 2003

RE: Tellumat (Pty) Ltd.

FCC ID: ONJ-3ECJ68A4D

I have a few comments on the above referenced Application.

1) The new AC Line Conducted test data provided in the test report appears to have been tested to the new limits as given in the results and procedure. However, part of the procedure mentions the use of a 400 kHz high pass filter. This would affect any results falling between 150 kHz and 450 kHz. Please comment and/or provide new test data as necessary.

RTL Response: Please refer to the revised test report uploaded with this response.

2) The procedure in Section 4.2 for the AC Line Conducted appears to mention the use of the FCC "13 dB rule". When using the new CISPR limits both the QP and AVG limit apply and the "13 dB rule" is no longer applicable. Please explain.

RTL Response: Please refer to the revised test report uploaded with this response.

3) For the data given in section 5 of the report, please provide information such as test distance and RBW/VBW settings, EUT to antenna distance, etc. used during testing.

RTL Response: Please refer to the revised test report uploaded with this response.

4) For the data given in section 6 of the report, please provide information regarding the RBW/VBW settings used for the peak and average detectors.

RTL Response: Please refer to the revised test report uploaded with this response.

5) Please provide lowest and highest tunable center frequencies for the frequency range specified on the 731 form. It appears from the users manual that AL and CH may be the lowest and highest channels, but this can not adequately be verified. Please confirm and correct the 731 form.

RTL Response: Please refer to the revised 731 form, test report and user's manual uploaded with this response.

6) Information in the users manual is confusing since the Orion 5825-SR is not mentioned in certain portions of the manual. For instance sections 2.2.1.4 and 2.2.1.5 only mention the Orion 5850. During the review, it has been assumed that the information labeled with 5850 applies to the 5825. Please explain.

RTL Response: The EUT model name has been clarified as Orion 5850. Please refer to the revised user's manual and test report uploaded with this response.

American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

7) The cover letter regarding installation provided by the manufacture mentions that the power output is adjusted by installer. It was assumed during the original review of this application that the output power was set to maximum. Additionally, during the test the cable between the unit and antenna appears to be about 1 meter. Please provide further information regarding the reduction of power referenced by the manufacturer. NOTE: It is assumed that if the power was set to maximum and met the FCC regulations with the cable between the unit and antenna as short as normally possible, that no further power reduction is required during installation. Likewise if power was reduced during testing because of the short cable length, further testing will likely be required since the FCC requires the maximum power to be tested. Please call to discuss this issue if necessary.

RTL Response: Please refer to the revised cover letter uploaded with this response.

Timothy R. Johnson
Examining Engineer
mailto: tjohnson@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.