

American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

June 26, 2003

RE: Tellumat (Pty) Ltd.

FCC ID: ONJ-3ECJ68A4D

I have a few comments on the above referenced Application.

- 1) The following internal photographs must be provided
 - a) Top and Bottom photographs of the PSU/TCXO with the shields removed
 - b) Bottom view of the amplifier board
 - c) Bottom View of the RX board
 - d) Bottom View of the TX/Synth Board

Response: Please refer to the revised Internal Photograph exhibit uploaded with this response.

- 2) For the data given in section 3 of the report, please provide information such as test distance used.

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. Additionally, this test actually falls under 15.109 and should also be defined as Class A or Class B as appropriate, not to 15.209 as given in the test report. Note that the user manual defines the receiver/digital device emissions as Class A. The test report states the testing was performed to 15.209, which does not classify the limits as Class A or Class B, although the limits are equivalent to Class B levels.

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

- 4) Unless further information can be provided regarding the devices power source, it is assumed it may derive its power from an AC/DC adapter or through other host equipment. In most cases compliance with AC conducted power is required. As long as a path exists from the device to the AC power lines in any installation, even if power is achieved through another device (reference 15.207(d)) AC conducted emissions should be tested. Please either provide test data or further explanation. Note that the users manual mentions possible use of 120 VAC as an option.

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

- 5) For the data given in section 6 of the report, please provide information such as test distance and RBW/VBW settings.

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

- 6) The EUT appears to use standard connectors and the users manual discusses professional installation. Therefore, please provide a cover letter justifying professional installation. The letter should cover the following 3 items:

a) Marketing

The device cannot be sold retail to the general public or by mail order. It must be sold to dealers.

b) Requires professional installation;

- installation must be controlled

- installed by licensed professionals (EUT sold to dealer who hire installers)

- installation requires special training (special programming, access to keypad, field strength measurements made) What is unique, sophisticated, complex, or specialized about your equipment which REQUIRES it to be installed by a professional installer?

c) Application

-The intended use is generally not for the general public. It is generally for industry/commercial use.

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

7) The users manual mentions adjustment of output power through software is possible (Section 2.2.2). Please explain compliance to 15.15(b) of the rules.

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

8) The users manual does not appear to provide information specified by 15.247(b)(iii). Note that appendix E contains some of this information, although it does not appear complete.

Response: Please refer to the revised user manual, uploaded with this response.

9) The users manual mentions that the use of Ethernet cables being shielded is recommended. However the tests were performed with shielded Ethernet cables and therefore this must be specified in the manual, not recommended as given on page 65.

Response: Please refer to the revised user manual uploaded with this response.

10) The users manual defines the antenna as customer supplied (page 14). Please explain how FCC compliance can be assured.

Response: Please refer to the revised user manual uploaded with this response.

11) The users manual appears to include this model (5825SR), however specific information regarding the channel plans for this radio could not be found (pages 16-19). Additionally, if variable bandwidth settings and channel plans are possible as given in the manual, additional compliance data would be necessary for channel bandedges, output power, and spectral density tests. Please provide further information as necessary. Also note the additional information regarding modulator types as given on page 19 as variable modulator types could be an issue as well.

Response: Please refer to the revised user manual and revised test report uploaded with this response.

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Examining Engineer

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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.