



HERMON LABORATORIES

April 6, 2006

American TCB  
6731 Whittier Ave  
Suite C110  
McLean, VA 22101  
Attn: Mr. T. Johnson, Examining Engineer

RE: your e-mail dated March 28, 2006; Mobile Access Networks Ltd.  
**FCC ID:OJFMA1K-IDEN-SMR, ATCB003226**

Dear Mr. Johnson,  
Please find below the answers to your questions.

- 1) The corrected label, file Label\_Location\_16224-1\_rev1 was uploaded on April 6, 2006.
- 2) The new tune up procedure, file "Tune up procedure\_16224-1\_rev1" was uploaded on April 6, 2006 via Parts list-Tune up procedure folder.
- 3) The test report section 7.1 was corrected and referenced also to FCC part 90 section 90.219. The corrected test report MOBRAD\_FCC.16224-1\_rev1 was uploaded on April 6, 2006.
- 4) The SMR frequency band is 929 – 941 MHz. The test report (page 5) was corrected, refer to MOBRAD\_FCC.16224-1\_rev1. The revised data sheet "Data\_sheet\_16224-1\_rev1" was uploaded on April 6, 2006 via Operational Description folder.
- 5) The test report Table 7.3.2 was corrected, refer to MOBRAD\_FCC.16224-1\_rev1.
- 6) The 32 kHz BW was supplied to the input of MA1000 which is a repeater and verified that the output shape looks similar to the input
- 7) The testing was done according to current version of 47CFR part 90:2004 in January-April 2005, hence, Mask G was used for 851-866 MHz and Mask H for 866-869 MHz. Please advise if the present results may be used taking into account that the EUT is a repeater and generally the comparison of input vs output mask is required.
- 8) The 12.5kHz / 1kHz modulating signal was used for OBW  
the 5kHz / 1kHz modulating signal was used for mask G  
the 2.5kHz / 1 kHz modulating signal was used for mask J  
the 2.5 kHz / 1kHz is the permissible signal for SMR and it complies with mask J (stricter than mask G), so 5kHz / 1kHz was chosen to show that wider signal complies with lighter mask.
- 9) Thank you.
- 10) The output power measured was at peak power. In a normal working order Mobile Access's system controls the output power so it meets the Data Sheet specs. And not exceeds them.
- 11) For all tests the composite 10 dBm input power was verified and supplied to Radio Interface Unit.
- 12) The RF exposure information was corrected, the revised file "RF\_env\_evaluation\_16224-1\_rev1" was uploaded on April 6, 2006.



- 13) The test report MOBRAD\_FCC.16224-1\_rev1 was corrected: instead of mistakenly used plots 7.4.10 and 7.4.12 the correct ones were inserted and Table 7.4.2, page 44, was also corrected.
- 14) The only emission found within 20 dB below the limit is the emission @5.25 GHz, classified as the digital part emission measured in stand-by mode and included in Table 8.1.2.
- 15) There is no change in the frequencies going through the system in any way, Mobile Access do not manipulate the frequencies or shift them.
- 16) All the measured Rx emissions were found below specified limits as shown in Table 8.1.2 and Table 8.2.1 of the test report.
- 17) AC conducted emission data does not exceed the limit in any point. All the "margins = measured emission – specification limit" are negative values. Some of the average measured emissions have very low value, e.g., (-3.70) dB $\mu$ V @ 0.316020 MHz, Table 8.3.2, receive mode.

Sincerely,

Marina Cherniavsky,  
certification engineer  
Hermon Laboratories