



HERMON LABORATORIES

December 8, 2003

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

RE: your e-mail dated November 19, 2003; Telematics Wireless Ltd.
FCC ID:NTAFP100TA, ATCB000907

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

- 1) The FRN for Telematics Wireless Ltd. was obtained, 0009 953 373, and the revised ATCB Form 731 (ATCB_Form731_15679_rev 1) was uploaded on December 2, 2003.
- 2) The following voltages/current are applied to Q4 during "off" and "on" periods of the ASK modulation:
 - a) when Tx data=0: Vc=0V, Vb=0.3V, Ve=0V, Ic=0mA, Q4 is closed;
 - b) when Tx data=1: Vc =3V, Vb=1.6V, Ve=0.8V, Ic=11mA, Q4 is open.
- 3) Frequency is determined and stabilized by a SAW resonator. A SAW filter at the transmitter output provides suppression of spurious out of band signals. An RC network at the base of Q4 is used as a spectrum shaper. The modulation is ASK with an on to off ratio of at least 20 dB. The voltages applied to Q4 define the 1 dB compression point of the modulator and limit the output power (see answer to question 2). The unit does not have calibration means of output power
- 4) The emission designator is 5M10K1D (refer to Plot A1 of the test report), Form 731 was corrected (ATCB_Form731_15679_rev 1).
- 5) Radiated spurious emission measurements at band edges were done, please refer to pages 11, 22, 23 of revised test report TELRAD_FCC.15679_rev1, uploaded on December 2, 2003.
- 6) The frequency stability measurement data was provided in pages 15, 16 of the test report TELRAD_FCC.15679_rev1, uploaded on December 2, 2003.
- 7) The output power value was corrected, the revised ATCB_Form731_15679_rev 1 was uploaded on December 2, 2003. I apologize for this my mistake.

Many thanks for your continuous help and patience.

Sincerely,

Marina Cherniavsky,
certification engineer
Hermon Laboratories