



HERMON LABORATORIES

July 25, 2007

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

RE: your e-mail dated July 23, 2007; Telematics Wireless Ltd.  
**FCC ID:NTAWB1, ATCB005142**

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

- 1) The Water Meter Booster interrogates the Water Meter. The Booster demodulates, decodes, analyzes and recognizes the Water Meter information. If the information fulfills a number of criterions, then the information is saved in the internal memory. After 16 cycles the collected data is transmitted via the frequency hopping channel.
- 2) The test report Table 8.2.2 was corrected. The revised file "TELRAD\_FCC.17650\_rev1" was uploaded on July 25, 2007.
- 3) The test report Table 8.3.2 was corrected. The revised file "TELRAD\_FCC.17650\_rev1" was uploaded on July 25, 2007.
- 4) Using the Frequency Hopping channel, the Booster transmits its information in a burst of 18 different frequencies. A full transmission cycle consists of 3 transmission bursts (18x3 different frequencies). The time interval between burst transmissions is greater than 5 minutes. The total time of a burst transmission (18 frequencies) is ~250 ms. The occupancy time on any frequency is ~8ms (<<400 ms within 20 second period).
- 5) There are no restricted bands adjacent to the operating frequency range that is why the band edge emission limit is 20 dBc below the carrier. Plots 8.7.5 and 8.7.7 demonstrate attenuation greater than 30 dBc at 904.278 MHz and 925.763 MHz respectively which are within 902-928 MHz band. The nearest restricted band where attenuation below FCC 15.209 limits shall be demonstrated starts at 960 MHz. Compliance with this limit is shown on Plots 8.7.40; 8.7.53; 8.7.54 and 8.7.55 of TELRAD\_FCC.17650 test report.
- 6) The Booster enables its receiver to receive one of the following Tx single frequency signals:
  - -1 dBm, Narrow band, 916.3 MHz;
  - ~14dBm (8dBm/3kHz), Wide Band (BW>500KHz), 916.3 MHz.

Sincerely,

Marina Cherniavsky,  
certification engineer  
Hermon Laboratories