

To: "tjohnson@AmericanTCB.com" <tjohnson@AmericanTCB.com>
Subject: FCC ID: NTAXMETER4 additional information

FCC ID: NTAXMETER4

In reply to e-mail dated July 29, 2002

Dear Mr. Johnson,

Below are the answers to your questions. (Tadiran Telematics' answers are given in *Italic*)

1. *The antenna is soldered directly to the board during the manufacturing process.* This information is included into Specifications, submitted via "Add to existing application", Operational description folder on July 31, 2002.
2. *This information can be found in Appendix A, page 14 of Specifications,* submitted via "Add to existing application", Operational description folder on July 31, 2002.
3. *The device was programmed to transmit every 6 seconds for the testing purposes only. The production units are programmed in a way that Tx OFF period is more than 10 seconds (hundreds of seconds).*
4. *The unit was transmitting the standard frame, however in the calculation of the average occupancy, the extended frame was taken into the account (see 4.3.1 of the Test report). In any case, the average occupancy is significantly lower than the allowed limits.*
5. *Once programmed, the Tx Off time is constant. In addition, the time "gap" between the hops is also constant. This means that when standard frame is used the overall time to transmit all 25 hops is shorter than the time that takes to transmit the 25 hops with extended frame. In any of the above cases the average occupancy time is significantly lower than the allowed limits.*
6. We are not aware of any test performed using "direct connection". This set-up is not possible due to the integral antenna configuration (see answer 1).
7. Please find the updated test report with corrections, submitted via "Add to existing application", Test report folder on July 31, 2002.
8. Please find the updated form 731, submitted via "Add to existing application", Form 731 folder on July 31, 2002.
9. Please find the separate RF exposure exhibit, submitted via "Add to existing application", RF exposure info folder on July 31, 2002.
10. *The transmitted data is divided between the hops according to the type and overall length of the information to be transmitted. Sometimes the same "short " data string is transmitted 25 times at different channels, sometimes longer data string is divided between several channels and transmitted in portions, in which case different data is transmitted at each channel.*
11. **15.247 (g).** *The equipment fully complies with the requirements of this section. In our case each transmission employs all available hopping channels and this is performed according to the requirements of 15.247. **15.247 (h).** The equipment fully complies with the requirements of this section. There is no coordination between the systems to avoid simultaneous occupancy of the hopping frequencies by multiple transmitters. Each transmitter operates independently and there is no synchronization with other transmitters.*
12. Sorry for this slip of a pen. The corrected statement is provided in the updated test report, submitted via "Add to existing application", Test report folder on July 31, 2002.

13. The transmitter has no option to transmit at a single channel. That is why the measurements were performed with hopping function enabled. This mode provides transmission at all three channels: low, middle and high, and moreover includes all switching transients. The peak measurements are independent of dwell time at each channel, provided SA is in Max Hold mode and sufficient number of sweeps are allowed. That is why there should be no difference in peak values between CW measurements at each of three channels and Max Hold measurements with hopping function enabled. The average values were calculated based on average factor obtained in paragraph 4.3.1 and they are independent of actual transmission duration at each channel.

14. My mistake again (we change the dates manually, according to certificates issued, so such mistakes occur sometimes). The last calibration was performed in March 2002 (Certificate of calibration, dated 22 March, 2002).

15. *The exposure information shows 2.8 cm necessary separation from all persons and this is fulfilled in any installation conditions. In no way the internal antenna can be co-located or operating in conjunction with any other antenna or transmitter. Therefore we think that this statement is not applicable to this device.*

16. *FYI. We are keeping the name of NTAXMETER3 for another non-frequency hopping device, closer to the NTAXMETER2.*

Hope, you find these answers satisfactory.

With great respect,

Valeria