



American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

August 11, 2006

RE: Rokonet Electronics Ltd.

FCC ID: JE4RP296EWR

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) For the occupied bandwidth test, generally the RBW should be $> 1\%$ of the bandwidth. However ANSI C63.4 also specifies a minimum bandwidth to use as well (see section 13.1.7). The minimum RBW for this should be set to 10 kHz.
- 2) Based upon this being a repeater, a detailed description on how this device operates and insures compliance with 15.231 timing requirements and power levels should be provided. Note that to be allowed as a repeater under Part 15 the device may only transmit after receiving, demodulating, and recognizing the incoming signal prior to retransmission. The theory should explain how the device meets these requirements. Additionally, information such as the type of transmissions (15.231(a) or 15.231(e)) to be repeated should be provided. Also, if the repeater received 2 messages in < 5 seconds, does it retransmit both messages or one message? Does it transmit them as a group or space them apart. If it were to receive a message > 5 seconds, how does it handle it. Please explain?
- 3) If the device may also retransmit 15.231(e) signals, what ensures that no matter how many device transmit or need repeating, that the 10 second and $30 \times \text{TX}$ period are maintained under all circumstances? Additionally, what about the lower 15.231(e) power levels?
- 4) Given the various transmitters of this system likely have different duty factors, it is uncertain how worse case duty factors for this device can adequately be determined and assured for all types of devices expected to be able to repeat. Please provide detailed explanation.
- 5) Please provide information regarding the registration process. The device does not appear to be programmable from the users manual provided so it is uncertain how this device knows exactly what packets it can retransmit (and also reject) and what controller it is associated with. Therefore, how does the repeater know what device(s) it is associated with and which controller it is associated with?
- 6) What does the device decode to ensure something is part of its system? If another system was nearby operating on the same frequency, how does this device reject it? What specifically is it looking for before it acknowledges something is valid for retransmit? Please explain.

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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.