

**FCC ID: JE4RP296EWR**

**In reply to e-mail dated August 11, 2006**

Dear Mr. Johnson,  
Below are the answers to your questions.

1. Please find the test report "ROKRAD\_FCC.17207\_rev1" uploaded via "Test report" folder with Occupied bandwidth retest.

2. Following to the block diagram there are two separate RF paths: one for transmit and another for receive, which use the same antenna switched between them. Each RF path is based on a single IC (receive or transmit, total two ICs) marked on the block diagram as transmitter and receiver respectively. The completely demodulated data from the receiver output is supplied to microcontroller which analyzes and recognizes it. If the valid data was received the microcontroller produces a new message contains the repeater ID code and forward it to transmitter for modulation and transmission.

The repeater transmits only messages complying with FCC 15.231(a) as it generates a new message instead of the received one as described above.

If the repeater received 2 messages in < 5 seconds there are 3 possible scenarios:

- a) both messages arrived at the same time- cause collision without retransmission;
- b) if the second message arrived and the first one is in process or retransmitted- the second message will be lost;
- c) if the second message arrived after the first one was processed or retransmitted- the second message will be retransmitted as well. The messages are always separated, there is no group message, the repeater retransmits one message per one valid received message.

If it were to receive a message > 5 seconds it doesn't recognize it.

3. The repeater transmits only messages complying with FCC 15.231(a) as it generates a new message instead of the received one as described above.

4. The repeater is intended for use in Rokonet security system consisting of the FCC approved transmitters only and has the proper recognition function. The repeater transmits only messages complying with FCC 15.231(a) as it generates a new message instead of the received one as described above and the worst case duty cycle calculation provided in the test report.

5. Please refer to the installer / user manual for the full registration process.

6. Please refer to reply 2 for the theory of operation and transmitter registration procedure section in the user/installer manual. The proper operation of the recognition function is provided in the test report.

With great respect,

Natasha

