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FCC ID: OU4-XRT750
IC Number: 4576A-XRT750

In response to your comments regarding the application for certification of the devices referenced above please find our response below:

1) Unless the device is smaller than 8x10 cm, the FCC label should still include the 2 part FCC statement: Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.

Please see external photos exhibit E2 rev2 uploaded 4/29/05. The device is less than 8x10 cm.

2) The operational description provided does not appear to be correct for this device. Please review.

The correct operational description will be uploaded as Exhibit H rev2.

3) 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.

Please see the revised operational description. The description explains the criteria for processing packets.

4) Two sets of schematics (within one file) appear to have been provided. Please explain or correct as necessary.

Schematics exhibit has been updated and uploaded.

5) Given the nature of the device, testing should have been performed in each of 3 axis in effort to obtain worse case results. Was this performed?

Testing was performed with the device in 3 orthogonal axis. The EUT's antenna position was also manipulated to be 90 and 180 degrees relative to the case.

6) The device has an average correction factor of 13.7 dB. Please explain how this is ensured for all transactions being sent

Please see the updated operational description. The correction factor has been updated to 12.6 dB. The data tables in the test report have also been updated

7) What ensures that no matter how many device transmit or need repeating, that the 10 second and 30 x TX period are maintained under all circumstances? What are worse case TX duty cycles and transmissions expected?

Please see the updated operational description. The revised operational description addresses the timing issues.