

Nebraska Center for Excellence in Electronics
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21 August 2006
RE: MetroTel Corporation of Minnesota
FCC ID: RWBMT9100R

Mr. Johnson:

In response to your letter dated August 11, 2006, please find the response to your comments below:

1) The TX is a modular board. Photograph of the back of the module are required to be provided.

A photograph of the back of the module and the PCB under the module has been provided.

2) The label shows a "-" in the FCC ID, but this is not given on the 731. Please clarify the correct FCC ID and correct.

A corrected 731 form has been provided. The FCC ID does include a "-".

3) Please provide either a schematic for the TX card or as an alternative, you may provide a parts list that lists that shows that this part is provided by another manufacturer. Please provide either a schematic or parts list as specified. Additionally, please note that the confidentiality letter mentions a BOM. Please note that this has not been provided. Please provide or correct the confidentiality letter as necessary as well.

A BOM to include the RF module has been submitted.

4) Please note that the schematic does not appear to cover the TX board itself. Schematics should include the TX portion of the device per Part 2 of the rules. Please review/provide as necessary.

A BOM has been provided to clarify this point as mentioned in item 3.

5) 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 operational description appears to suggest this, but it is not fully certain. The theory should explain how the device meets these requirements and does not necessarily retransmit anything on the same frequency or that is not recognized.

A corrected exhibit has been provided.

6) Test equipment did not appear to list a preamp. Was a preamp necessary to achieve proper dynamic range during the measurements?

No preamp was needed for testing.

7) Power output in the report (page 5) is listed as 15 dBm. However testing shows only 7.3 dBm. This suggests that either device wasn't functioning properly or at full power, or power was not correctly measured. Please review/correct as necessary.

The correct power level was 7.3dBm as referenced in the RF Exposure document and extensively in the report. A corrected report has been submitted for review.

8) Please provide a separate RF exposure exhibit for this device. Additionally, please correct for any concerns with power output as cited above.

A separate RF Exposure exhibit has been provided.

9) Users Manual does not appear to contain the required statements from 15.21. Please review.

A corrected exhibit has been provided.

10) Users manual should include appropriate RF exposure statements (20 cm and no-colocation). Please address.

A corrected exhibit has been provided.

11) IC requires the applicant name to be on the device. The device appears to have Independent Technologies and note MetroTel. Note CN Number 115A is for MetroTel. Please review.

A corrected exhibit has been provided.

If there are any further comments please let us know.

Regards,

A handwritten signature in black ink, appearing to read "Doug Kramer". The signature is stylized with a large, looping initial "D" and a cursive "Kramer".

Doug Kramer
NCEE Labs