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RE: FCC ID: LNQ-BMDC200

Attention: Dennis Ward (dward@AmericanTCB.com)

Dear Dennis,

In response to your comments on the application for ActionTec LNQ-BMDC200 we have addressed each of your issues as follows:

1 The test report states that the IBM/2681-N7T/Laptop is the host for this LMA. Please note that since this is the only host mentioned in the report, this (and like platform only) laptop is the only approved device for this LMA. And will be the only host listed on the grant. Additional hosts may require a PC2 to the grant to show compliance in the LMA approval process.

This is understood by ActionTec. Would it be possible to list IBM's commercial name for the laptop - IBM ThinkPad R40 rather than the machine type - IBM/2681? The commercial model number is cross referenced in the Antenna specifications documentation we provided. We have updated the report and test data to reflect the commercial model name.

Please advise if you need further documentation to support this.

2 How is the label permanently affixed to the product? Adhesive, etc.

The label is printed on a white insulation and permanently affixed using adhesive.

3 Please note that the 20dB bandwidth for FHSS devices is a maximum not a minimum. The test report is not in compliance with CFR 47 15.247 for FHSS 20 dB bandwidths. The maximum 20dB bandwidth allowable for 2400MHz FHSS devices is 1MHz. Your report shows a greater bandwidth than 1MHz. Please retest the device to be in compliance with the 20dB bandwidth requirements.

The test data has been updated to show new bandwidth measurements using a smaller resolution bandwidth. The bandwidth on the all channels measured was less than the maximum permitted 20dB-bandwidth of 1MHz.

4 It is not clear if the power meter you used in the conducted power measurements used a Peak adapter for peak measurements. Please clarify.

The power meter used was a peak power meter. The test equipment list in Appendix 2 of the revised report details the model and manufacturer.

5 On page 29 of the report you state the output power is 3.7dBm. You also appear to state the power is 3.1mW (Measured Power column). Please note that 3.74dBm is equal to about 2.36 mW. Your other values appear incorrect also. Please clarify.

The measured power was the level recorded on the power meter (peak sensor), which did not account for cable loss. The final column includes cable loss and is, therefore, the actual output power. The test data has been modified to better explain this.

The Form 731 has been updated to reflect an output power of 2.3mW (it originally stated an output power of 33mW). This output power corresponds with the output power stated in the Theory of Operations.

6 The manual is called the “user Manual”. Since this is an LMA and cannot be installed by the end user, the manual should be clear that this is for OEM installers. Also, the OEM manufacturer must be clearly instructed that the installation instructions for the module cannot be placed in the end user manual. Please clarify that this manual is intended for the OEM manufacturer when installing the module into the host, and that the OEM manufacturer has been informed about not providing this information to the end user.

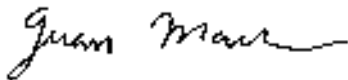
The “User Manual” has been updated to show that it is actually the “OEM Installation Manual”. This manual is intended for the OEM manufacturer and the OEM manufacturers have been (or will be, in the case of future OEMs) informed about not providing this information to the end user.

The following files have been uploaded to the ATCB to support the responses given:

- **R49196_TCB Revised**
- **731 FORM Revised.pdf**
- **OEM Installation Manual.pdf**

If you need further information or clarification please do not hesitate to contact us via doc@elliottlabs.com.

Regards



Juan Martinez