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December 13, 2001

RE: American Telecommunications Certification Body Inc.

FCC ID: MSQPCCAC100

Dear Timothy:

After the review of your comments we'd received on the Dec 3, 2001. We have made some modifications upon your advice; the modifications are summarized as follows:

1. The justification mentioned will be removed and the new internal photographs will be provided in the attachment specified.
2. The FRN number of ASUSTek Computer is 0005-8219-88, registered on the Dec 6, 2001.
3. The EUT, equipped with the PCMCIA interface should be considered to be a PC peripheral. The label and the information required modified are shown on our attachment. As the EUT comply both the unintentional and intentional radiators, test items to these standard are the same (107 to 207 and 109 to 209 respectively). We dropped these part, as the result will be repeated with the part we mentioned above.
4. The EUT have two antennae: one is monopole outside and the other is the inverted-F inside the case of the EUT. The SMA type connector is used to connect the monopole antenna itself and cannot be detached by user. There's no other antenna jack connecting an external antenna to the SMA connector. (Please refer to the photo attached.)
5. As the EUT selling in the market have an exclusive driver provided by the manufacturer, should be installed by the client to operate the EUT. The driver is different from the engineering software under our test, which is not capable of adjusting the channel. (Please refer to the attached statement declared by the manufacturer.)
6. The power listed on the 731 is corrected to 0.023(watts).
7. The MPE statements in the manual is stated in the first page in the manual seen on the section "Safety information". We will suggest the manufacturer to make a copy next to the antenna section in the manual page 8.
8. The EUT have 2 antennnae, internal inverted-F and external dipole antennae. We'd performed tests on 3 channels (CH.1,6,11) specified by the FCC in order to find the maximum emissions. The measure of the MPE is conducted with the maximum combination found in the tests, by

$$S = \frac{PG}{4\pi R^2} = \frac{13.62 \times 1.694}{4\pi (20)^2} = 4.590 \times 10^{-3} mW / cm^2$$

9. The measurements of the bandedge in our report were held in the anechoic chamber, taken apart from the EUT at 3 meters.
10. Both RBW and VBW settings on our measure is 100kHz. This is the setting more severe than the RBW=1MHz and VBW=10Hz stated in the rule. That means if the EUT pass our test. It can be also pass the standard stated in the rule.
11. The test configuration photos are exhibited in the page 14 (Conducted emissions) and page 31 (Spurious emissions) of our report.

The matters needed with the modified report are attached with the reply.

Should you have any questions about our reply, please feel free to contact us. Thanks for your kindly consideration.

Sincerely yours,

Eric Wong

Testing Engineer

Training Research Co Ltd.