

Mike Kuo

**Subject:** FW: ㄖㄞㄏㄉ RE: 回信： Billionton Systems Inc., FCC ID: NLF-UBTCR3C1R, Assessment NO.: AN05T4534, Notice#1--Updated(0214)

**Attachments:** NLF-UBTCR3C1R.pdf; UBTCR3C1R\_Technical description(0214).pdf

Compliance Certification Services

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主旨： Billionton Systems Inc., FCC ID: NLF-UBTCR3C1R, ?Assessment NO.: AN05T4534, Notice

2005/02/02 07:43 PM

. Mike,

his's another BT USB dongle submitted by Ecom and questions are as below.

Question#1: Please provide antenna specification.

Is: Please find the attached for updated:UBTCR3C1R\_Antenna Spec.

Question#2: The max. output power indicated in the operational description is 6dBm but the max. output power measured in the test report is 9.8dBm, please explain why have such difference.

Is: Please let me explain that:

The 6dBm output power indicated in the technical operational is for "Main chip" description; and the 9.8dBm

max.output power measured in the test report is for this integral product.

In general, the output power measured directly from main chip should be larger than measured from the final product because the output power may be lost when distance increased. So, your reply is not accepted and please address this issue again.

Question#3: Test result of peak output power indicated in page 18 of test report is totally different from the test plots in page 19 of test report. Please explain.

Is: Please let me explaining that; Please see the test report of new page 18 & Page 19.

The test data of page 18 was noted the "Cable loss 0.5dB", so the peak power output = Peak Power Reading

+ Cable loss . Usually we just showed the test data on this page but the page 19 of plots was not!!

Please be understood.

Question#4: The test result of dwell time indicated in the result table in Page 25 of test report doesn't match the one used in the calculation formula below. Please correct.

Is: We have corrected that, please find the attached for updated:UBTCR3C1R\_Report(FRF)0204.

Question#5: Section 9.6 in page 31 of test report indicated the reading of band edge test in frequency 2399.9MHz are:

Peak/Average(H): 70.9/ 49.22

Peak/ Average(V): 79.1/ 52.4

and limit indicated for the peak are 78.4(H)/86.81(V) dBuV/m which is the 20dB down from the fundamental reading, and the average limit indicated is 54 dBuV/m.

It refer to page 45, 46 for the fundamental reading for the low channel:

Peak/Average(H): 98.4/ 61.94

Peak/ Average (V): 106.81/ 65.74

The average limit applied for unwanted emission may be 41.94(H)/ 45.74(V) dBuV/m, 20dB down from the fundamental reading. Thus, the band edge test at low channel is failed, please address this non-compliance issue.

And, the limit of peak and average of unwanted emission can be the limit of restricted band used 20dB down from the fundamental reading, it should be in consistent but not mixed with.

2/14/2005

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Best Regards,

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

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