Rich Fabina

From: iceman [jiafei214@163.com]
Sent: Thursday, June 11, 2009 9:36 AM
To: Rich Fabina; jade.yang@nsco.cn; vivi.liu@nsco.cn
Cc: customerservice
Subject: Re: www.AmericanTCB.com ATCB007684 | SA5YLT-11C | | | SA5YLT-11C_ATCB007684

Dear Rich

Thank you for your help

For this comments:
RE1:We test again above 1000MHz, We found the higher points was the noise in last report. the noise from other equipments. So the test result was very good. However, We modified the test report and upload to ATCB web. In test report Rev1, We use the duty cycle correction factor for average level. Another question,We used the test limit 73.97dBuV/m @3m(Peak) and 53.97dBuV/m @3m(average),according to Section 15.209(a), The device's fundamental is 315MHz, It is not belong 54-72MHz,76-88MHz,174-216MHz,470-806MHz.So we used 15.209 limit. this limit is more lower. Do you think ?

RE2:Yes, The calculation is incorrect. We modify the formula in software and upload the test report Rev1 to ATCB Web.

RE3 and 4: My client modify the information: Operation desciption Rev1 and Diagram Rev1. Upload these infors to Web.

RE5:My client modify the letter(SA5YLT-11C_Authorization LetterREV2). We upload it to Web.

RE6: Yes, We modify the Form. Upload Form_Rev1.

RE7: Yes, We modify the use manual. Upload manual_Rev1.

Please confirm it.

Thanks.

Best Regards
Iceman hu / 胡兆龙
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NS Technology Co.,Ltd / 北南科技有限公司
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2009-06-11

发件人： Rich Fabina
发送时间： 2009-06-06 02:18:00
收件人： jiafei214@163.com; jade.yang@nsco.cn; vivi.liu@nsco.cn
抄送： customerservice@atcb.com
主题： www.AmericanTCB.com ATCB007684 | SA5YLT-11C | | | SA5YLT-11C_ATCB007684

Regarding www.AmericanTCB.com application:
ATCB ID: ATCB007684
FCC ID: SA5YLT-11C
IC:
TCF:
Account name: NSETC

The attached contains a request for additional information on the above referenced application.

Rich Fabina
Examining Engineer
American TCB
email: rfabina@atcb.com
USA direct phone: 703-635-2881
USA Corporate: 703-847-4700
USA Corporate fax: 703-847-6888

American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

June 5, 2009

RE: ATCB007684 – Original Equipment Certification

FCC ID: SA5YLT-11C for Ningbo Yaling Electrical Appliance Co., Ltd.

I have a few comments on this Application. Please do not put confidential information in your responses to these questions because the response letter will not be held confidential by the FCC. Depending on your answers there may be more questions.

1. The average radiated emission test results above 1000 MHz in the submitted test report are flawed. For average field strength levels on a pulsed-emission transmitter like this device, the only difference between the peak and average field strength values should be the duty cycle correction factor or - 9.7 dB. I don't know why your peak and average meter readings above 1000 MHz are different as shown on page 14 compared to page 15 and on page 16 compared to page 17 of the submitted test report. You appear to be making some kind of average detector field strength readings above 1000 MHz, perhaps with a reduced video bandwidth of 10 Hz. This is incorrect for this pulsed-emission transmitter. See Section 13.1.4.2 of ANSI C63-2003. Please provide an amended test report that shows this device complies with the appropriate harmonic and spurious emission limits of 75.6 dBuV/m @ 3m (peak) and 55.6 dBuV/m @ 3m (average) above 1000 MHz (according to Section 15.231(b)(3).

2. The peak radiated emission test results reported on pages 14 and 16 of 28 of the submitted test report do not agree with the sample calculation provided. The calculation states that the emission level equals the antenna factor plus the cable loss plus the meter reading. For the emission at 1918 MHz on page 14, 57.65 dBuV/m does not equal 30.47 + 2.19 + 65.79! This value should be 98.45! Please provide an amended test report that corrects the peak levels reported on pages 14 and 16 of the test report.

3. The submitted operational description resembles the submitted user manual and would not qualify for confidentiality if a user manual is provided to every consumer. Please provide an operational description that gives a brief description of the circuit functions of the device along with a statement describing how the device operates in accordance with Section 2.1033(b)(4) of the FCC Rules. This statement should contain a description of the ground system and antenna, if any, used with the device.

4. Please provide a schematic diagram that provides the component identification of Q1, Q2 and the IC used in this device. The submitted schematic diagram did not identify these components.

5. The authorization letter (agent letter for FCC) states that NS Electromagnetic Tech is the agent for CE approval. Please provide a new authorization letter stating that NS Electromagnetic Tech is the agent for FCC approval of this device.

6. Please provide a completed FCC application form. The submitted FCC application form was not completed in Section III, items 1 (confidentiality) and 5 (type application) and Section IV, item 2 (the signature box).

7. For Your Information – The verification statement provided in the user manual in unnecessary. Section 15.19(a)(3) of the FCC Rules states that equipment subject to Certification or Verification may have this statement either in the user manual or on the device. You already

have this required statement on the device so you don't need it in the user manual too. Also the statement is incorrect in the user manual. The words "verified to comply" appear in this statement incorrectly. The word should be "complies" as is shown in Section 15.19(a)(3) for equipment subject to Certification or Verification.

Richard Fabina

Examining Engineer

mailto: rfabina@AmericanTCB.com

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. 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 sender.