

Chris Harvey

From: Mike Kuo [mike.kuo@ccsemc.com]
Sent: Friday, April 21, 2006 10:05 PM
To: Michael Heckrotte; Christine Vu
Cc: Chris Harvey
Subject: RE: Sierra Wireless Inc., FCC ID: N7N-MC5720, Assessment NO.: AN06T5661, Notice#1

Hi Mike H. :

In the original N7N-MC5720, the original output power listed on the form 731 was PEAK output power. FCC has audited this TCB application and in the reply to FCC audit questions, we changed the form 731 output power from PEAK to Average as requested by the applicant (Sierra Wireless). FCC has accepted such changed and audit was closed.

Below is the statement issued by CCS to address above issues which is documented in the original N7N-MC5720 correspondent.

FCC audit question: 2) EMC report shows conducted output power as 361/373 mW for 800/1900 bands; op desc has 25 dBm 800/1900; user manual has 24 dBm - none of these agree with Form 731 power.

Please revise grant, and MPE exhibit and other parts of filing where appropriate, to show measured conducted output power, as harmonized across filing.

CCS reply : 361/373 mW (25.58dBm / 25.72dBm) for 800/1900 is the measured AVERAGE output power as indicated in section 5.2 of EMC test report. The output power listed (0.964/0.923 mW) on the form 731 is the measured PEAK conducted output power as indicated in section 5.2 of EMC test report. CCS has discussed with the applicant, they would like to list highest AVERAGE output power on the form 731. Based upon this information, TCB grant has been revised.

Highest measured peak output power is used for calculate highest allowed antenna gain.

As the result, in this Sierra / HP application, they referred Peak Output power from Sierra Wireless original application and used for MPE calculation.

Chris :

Please use same Average output power as indicated in the original grant.

Best Regards

Mike Kuo
Compliance Certification Services
561F Monterey Road
Morgan Hill CA 95037
Tel: (408)463-0885 x: 105
Fax: (408)463-0888

e-mail:mike.kuo@ccsemc.com
<http://www.ccsemc.com>

4/22/2006

-----Original Message-----

From: Michael Heckrotte
Sent: Friday, April 21, 2006 10:50 AM
To: Christine Vu
Cc: Mike Kuo; Chris Harvey
Subject: RE: Sierra Wireless Inc., FCC ID: N7N-MC5720, Assessment NO.: AN06T5661, Notice#1

Christine,

After investigation, the problem is not with CCS, it is with whoever prepared the MPE exhibit. There are no names on these exhibits, but they are not CCS documents. Please see attached.

It appears that it may simply be a matter of typographical errors.

Please coordinate with HP and/or Sierra as required to rectify the documents.

Best Regards,
Mike

-----Original Message-----

From: Chris Harvey
Sent: Friday, April 21, 2006 6:10 AM
To: Michael Heckrotte
Cc: Chris Harvey; Mike Kuo
Subject: Sierra Wireless Inc., FCC ID: N7N-MC5720, Assessment NO.: AN06T5661, Notice#1

Michael Heckrotte

I am reviewing the collocation applications for Hewlett Packard AN06T5659 and Sierra Wireless AN06T5661 and have come across an issue that needs to be clarified before the grants can be issued.

The original approvals (including all previous permissive changes) for the Sierra Wireless WWAN FCC ID: N7N-MC5720 have the following parameters:
1851.25 - 1908.75 MHz, 0.373 Watts
824.7 - 848.31 MHz, 0.361 Watts

This application is indicating that the parameters are:
1851.25 - 1908.75, 0.923W
824.7 - 848.31, 0.964W

All measurements seem to be documented as conducted measurements. The power is not allowed to be increased without a new application for certification per FCC 2.1043. Please correct this discrepancy and update the Form 731 and MPE exhibit as necessary.

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.

Best regards,

Chris Harvey
Charvey-tcb@ccsemc.com

4/22/2006