

Mike Kuo

From: Thu Chan
Sent: Friday, July 28, 2006 7:42 PM
To: Mike Kuo
Cc: Christine Vu; Claire Hoque; Thu Chan; Sunny Shih; thuchan@sbcglobal.net
Subject: RE: Sierra Wireless Inc., FCC ID: N7NAC875, Assessment NO.: AN06T6016, Notice#1

Attachments: 06U10399-1B FCC 22_24 & IC 132_133 Report.doc; 06U10399-1B FCC 22_24 & IC 132_133 Report.pdf



06U10399-1B FCC 22_24 & IC 132_133 Report.doc; 06U10399-1B FCC 22_24 & IC 132_133 Report.pdf

Hi Mike,

Attached please find revised test report.

Question #7 : Please provide base station simulator setting used during radiated measurement for GSM, EDGE and WCDMA.
_ Revised report under section 5.3

Question #8 : Section 5.4 of test report, the worse case determination were made based upon the output power listed in the separation report. However, there are no sufficient information in the RF conducted test report to justify the mode of operation for radiated emission measurement. Please explain your worse case determination basis.
_ Revised report under section 5.4 .

Question #9 : Please describe how the preliminary tests were performed to determine the worse case for radiated band edge and out of band spurious emission.
_ Revised report under section 5.4

Question #10 : Please provide justification why HSDPA mode was not tested.
_ Yes, we did test under HSDPA mode.

Thanks & Regards,
Thu

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

From: Claire Hoque
Sent: Friday, July 28, 2006 5:15 PM
To: Thu Chan; 'ywang@SierraWireless.com'
Cc: Christine Vu
Subject: RE: Sierra Wireless Inc., FCC ID: N7NAC875, Assessment NO.: AN06T6016, Notice#1

Hi All,

Pls kindly provide you answer ASAP in order for Mike Kuo to issue grant today.
Thanks,

Claire

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

From: Claire Hoque
Sent: Friday, July 28, 2006 3:00 PM
To: Thu Chan; 'Ying Wang'
Cc: Christine Vu
Subject: RE: Sierra Wireless Inc., FCC ID: N7NAC875, Assessment NO.: AN06T6016, Notice#1

Hi ALL,

Thu, pls address Q7 to Q10.

Ying, pls address all the other questions.

Thanks,

Claire

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

From: Mike Kuo

Sent: Friday, July 28, 2006 2:55 PM

To: Mike Kuo

Subject: Sierra Wireless Inc., FCC ID: N7NAC875, Assessment NO.: AN06T6016, Notice#1

Based upon Radio System Description, this device has the following radio capabilities:
GSM/GPRS/EDGE/UMTS/HSDPA operate in 850 /1900 MHz band.

Support WCDMA (UMTS) Release 99

HSDPA up to 3.6 Mbps

GSM Release 4

GPRS/EDGE Multislot Class 12. Release 4

Part 22/24 RF conducted test report portion :

Question #1: Please provide output power verification on low, middle and high channel in accordance to the general description in section 5.2 of 2GPP TS 34.121, using the appropriate RMC (Reference measurement channel) or AMR with TPC (transmit power control) set to all "1's" . Results for all applicable physical channel configuration (DPCCH, DPDCH and spreading codes) should be tabulated in the test report. If there is any configurations that this device does not support or cannot be measured due to technical or equipment limitations should be clearly identified.

Question #2 : Please clearly identify the CMU 200 setting that were used during the final compliance measurement. CMU 200 setting information can be presented in text description or screen shots from CMU 200. If screen shots are provided, please make sure to include multiple screen settings if applicable.

Question #3: In the test report, the 3G portion of measurement is identified as UMTS. Please clearly documented in the test report on the mode of operation for UMTS operation.

Question #4: Please provide strong justification or test data for not providing measurement on HSDPA modulation.

Question #5: GSM/EDGE measurement: GSM and GPRS are 2 G and EDGE is 2.5G. Which modulation was actually tested ? What is multislot Class used ? The output power measurement for GSM, GPRS, and EDGE are required.

Question #6: As indicated in this test report, not all operational modes are tested. Please provide strong justification or explain the procedures were used during preliminary tests to identify the worse case. Please provide the description of tests been made during the preliminary tests to address band edge and occupied bandwidth.

Part 22/24 Radiated ERP/EIRP and spurious emission test report:

Question #7 : Please provide base station simulator setting used during radiated measurement for GSM, EDGE and WCDMA.

Question #8 : Section 5.4 of test report, the worse case determination were made based upon the output power listed in the separation report. However, there are no sufficient information in the RF conducted test report to justify the mode of operation for radiated emission measurement. Please explain your worse case determination basis.

Question #9 : Please describe how the preliminary tests were performed to determine the worse case for radiated band edge and out of band spurious emission.

Question #10 : Please provide justification why HSDPA mode was not tested.

Administrative :

Question #11:User Manual does not contain RF exposure warning statement . Please provide revised user manual.

Best Regards

Mike Kuo

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.