

Mike Kuo

From: September Radecki
Sent: Thursday, July 26, 2007 4:01 PM
To: Mike Kuo
Subject: RE: Sierra Wireless Inc., FCC ID: N7NMC8780U, Assessment NO.: AN07T7040, Notice#1

Hi Mike,

Below are the answers to your questions on the above application. The only thing missing at this point is the user manual. I will forward it as soon as it is received from Ying.

Question #1: Based upon SAR test report, GPRS/EGPRS with 4 time slots did not measure. Please provide and document your engineering justification in the SAR test report to test only sub-set of radio capabilities.

<CCS Answer:> We chose 2 slots for Cell band because the following reasons:

1. The highest power and higher duty cycle.
2. Based on past experience with Sierra Wireless products, the 2 slots configurations consistently produced the highest SAR values for Cell Band.

Please see data below for conducted output power.

GSM850

Channel	Frequency (MHz)	GPRS			
		1 slot Power (dBm)	2 slots Power (dBm)	3 slots Power (dBm)	4 slots Power (dBm)
128	824.2	32.1	32.1	29.2	26.3
192	837.0	32.1	32.1	29.1	26.2
251	848.8	32.1	32.0	29.1	26.2

Question #2: Based upon the technical specification in the user manual, this device is designed per Release 5 without HSUPA capabilities. However, per the theory of operation, the max. data rate supported in HSDPA mode is 7.2 Mbps downlink but the user manual indicates the highest data rate is 3.6 Mbps (page 10). Please confirm the data rate supported during HSDPA mode of operation.

<CCS Answer:> The max. downlink data rate supported in HSDPA mode is 7.2 Mbps. The user manual is being revised and will be sent to you shortly.

Question #3: What is UE category that this device capable of?

<CCS Answer:> AirCard 880 supports HSDPA category 8.

Question #4: This device is also classified as PC peripheral. FCC Label does not have FCC DoC logo to comply with FCC DoC procedures. If the PC peripheral portion is going to utilize FCC DoC procedure, then please modify the FCC ID label to include FCC DoC logo. If the PC peripheral portion is subject to certification procedures, then please file a composite application.

<CCS Answer:> JBP application has been filed.

Best regards,
September

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

From: Mike Kuo
Sent: Thursday, July 26, 2007 1:51 PM
To: September Radecki
Cc: 'Ying Wang'
Subject: FW: Sierra Wireless Inc., FCC ID: N7NMC8780U, Assessment NO.: AN07T7040, Notice#1

Hi September:

Please address the following questions. This e-mail is also copied Sierra Wireless to address Question 2 and 3.

Best Regards

Mike Kuo
Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Direct: (510) 771-1105
Fax: (510) 661-0888
Main: (510) 771-1000
e-mail:mike.kuo@ccsemc.com
Web Site:www.ccsemc.com

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

From: Mike Kuo
Sent: Thursday, July 26, 2007 1:47 PM
To: Mike Kuo
Subject: Sierra Wireless Inc., FCC ID: N7NMC8780U, Assessment NO.: AN07T7040, Notice#1

Question #1: Based upon SAR test report, GPRS/EGPRS with 4 time slots did not measure. Please provide and document your engineering justification in the SAR test report to test only sub-set of radio capabilities.

Question #2: Based upon the technical specificaiton in the user manual, this device is designed per Release 5 without HSUPA capabilities. However, per the theory of operaiton, the max. data rate supported in HSDPA mode is 7.2 Mbps downlink but the user manual indicates the highest data rate is 3.6 Mbps (page 10). Please confirm the data rate supported duirng HSDPA mode of operation.

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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.

No virus found in this incoming message.

7/27/2007

Checked by AVG Free Edition.

Version: 7.5.476 / Virus Database: 269.10.20/919 - Release Date: 7/26/2007 9:56 AM

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.476 / Virus Database: 269.10.20/919 - Release Date: 7/26/2007 9:56 AM

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