

Chris Harvey

From: Claire Hoque [claire.hoque@ccsemc.com]
Sent: Wednesday, January 25, 2006 7:37 PM
To: Chris Harvey; Chris Harvey -TCB
Cc: Thu Chan; William Lau; Michael Heckrotte; Christine Vu
Subject: answer: Sierra Wireless Inc., FCC ID: N7NMC8755, Assessment NO.: AN05T5362, Notice# 1



MC8755 FCC
Conducted test repo..

Hi Chris,

Here are the answers. Pls kindly issue grant ASAP.

1. Please clarify several inconsistencies in the exhibits and form submitted with this application for the Modulations available, frequencies of operation and occupied bandwidths (Emission Designators) in this device: The RF Conducted report documents GMSK and 8-PSK, where the Form 731, and the radiated emissions test reports document GSM (GMSK) and EDGE. Additionally the Form 731 indicates the emission designators as 4M15GXW and 4M15G7D, with the Conducted test report having data in a table on page 6 that shows >4MHz occupied bandwidth data without supporting plots, with plots showing approximately 250-300 kHz bandwidths. The frequency of operation is specified as 824.2-848.8 MHz and 1850.2 - 1909.8 MHz through most of the exhibits but 826.4-846.6 MHz and 1852.4 - 1907.5 MHz in table on page 6 of RF Conducted report. The SAR report indicates that there are WCDMA850 and WCDMA1900 modes of operation. <answer>both conducted report and emission designator in 731 forms are revised.

The modulation used for EDGE is 8-PSK, so there is no inconsistency here.

2. Please confirm that this MC8755 does not contain UMTS850 and UMTS1900 or WCDMA850 and WCDMA1900 capability.
<answer>confirmed.

3. Please submit a document that explains the collocation situations (Bluetooth and WLAN) for the 2 specific-host laptop/notebook configurations for which SAR compliance is documented (this similar document was recently submitted for FCC ID: N7N-MC5720).
<answer>The collocation with Bluetooth was skipped due to the fact that the distance between

the Bluetooth and EUT antenna is greater 20cm. WLAN was collocated with the EUT since

the separation distance is less than 20cm. Please refer to the picture on page 28 of 32 of the SAR report

4. Please explain the upward sloping and jagged curve for the SAR Z-axis plots in the GSM1900 mode of operation for both the 14 inch and 15 inch laptop computers. <answer> We noticed the upward characteristic of the Z-scan for both 14 and 15 inch host.

We also include the Z-scan when the EUT was off while the Host laptop was still on,

and when both EUT and Host laptop were off. This way we made sure that the upward SAR

reading is NOT due to the ambient or the EUT.

Thanks,

Claire

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

From: Chris Harvey

Sent: Tuesday, December 20, 2005 6:04 PM

To: Thu Chan

Cc: Chris Harvey

Subject: Sierra Wireless Inc., FCC ID: N7NMC8755, Assessment NO.: AN05T5362, Notice#1

Thu,

You are listed as the Technical Contact for the above referenced TCB application for which the following items need to be addressed: 1. Please clarify several inconsistencies in the exhibits and form submitted with this application for the Modulations available, frequencies of operation and occupied bandwidths (Emission Designators) in this device: The RF Conducted report documents GMSK and 8-PSK, where the Form 731, and the radiated emissions test reports document GSM (GMSK) and EDGE. Additionally the Form 731 indicates the emission designators as 4M15GXW and 4M15G7D, with the Conducted test report having data in a table on page 6 that shows >4MHz occupied bandwidth data without supporting plots, with plots showing approximately 250-300 kHz bandwidths. The frequency of operation is specified as 824.2-848.8 MHz and 1850.2 - 1909.8 MHz through most of the exhibits but 826.4-846.6 MHz and 1852.4 - 1907.5 MHz in table on page 6 of RF Conducted report. The SAR report indicates that there are WCDMA850 and WCDMA1900 modes of operation. 2. Please confirm that this MC8755 does not contain UMTS850 and UMTS1900 or WCDMA850 and WCDMA1900 capability. 3. Please submit a document that explains the collocation situations (Bluetooth and WLAN) for the 2 specific-host laptop/notebook configurations for which SAR compliance is documented (this similar document was recently submitted for FCC ID: N7N-MC5720). 4. Please explain the upward sloping and jagged curve for the SAR Z-axis plots in the GSM1900 mode of operation for both the 14 inch and 15 inch laptop computers. 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