

## Mike Kuo

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**From:** Claire Hoque  
**Sent:** Tuesday, October 04, 2005 2:25 PM  
**To:** Mike Kuo  
**Cc:** Thu Chan; Christine Vu; William Lau  
**Subject:** answer: Sierra Wireless Inc., FCC ID: N7NAC850, Assessment NO.: AN05T5171, Notice#1 ( revised )

**Importance:** High

Hi Mike,

Pls see answers below, all the attachments are saved in Z:\TCBUUpload\AN05T5171\revised documents

Question #1: Based upon the theory of operation, Aircard 850 is capable of operating in the following modulation and frequency bands :

GSM850 : 824.2 - 848.8 MHz ( US operation ) EGSM900 : 880.2 - 914.8 MHz ( Non-US operation )  
DCS 1800: 1710.2- 1784.8 MHz ( Non-US operation ) PCS 1900 : 1850.2 -1909.8 MHz ( US operation )  
UMTS2100 : 1920 - 1980 MHz ( Non-US operation )

Please confirm above statement.

<answer>The statement is correct.

To be more correct, change the UMTS frequency range to UMTS2100 : 1922.4 - 1977.6 MHz (Non-US operation )

because the EUT doesn't transmit right on the band edge.

Question #2: Please provide antenna specification for the one used during SAR evaluation.

<answer>Pls see the attached document "Attachment to AC850 Operation\_Description".

Question #3: In Part 22/24 RF conducted test report, the low channel and high channel selected in PCS 1900 band during tests do not agree with the frequency range listed in the TCB application form.

The PCS 1900 frequency band listed in the TCB application form:1850.2-1909.8 MHz RF conducted test report low channel= 1850.4 MHz; High channel=1909.6 MHz

Please explain.

<answer>The revised test report is attached.

Question #4: Please provide an exhibit which specifies the DC Voltages and Currents in accordance with FCC 2.1033(c).

<answer>Pls see the attached document "Attachment to AC850 Operation\_Description".

Question #5 : Radiated Part 22/24 report: please provide instrument setting used during radiated spurious emission tests ( RBW / VBW ).

<answer>RBW = VBW = 1MHz for radiated spurious emissions with substitution method.

Thanks,

Claire