EUT Information

a)   The Host IX270 rugged laptop and IX270 Vehicle Mount used were pre-production.

The MC5725 embedded radio module was a production model, Sierra Wireless, PCI Express USB Mini-Card Model: MC5725, CDMA200/EVDO 1xRTT, EVDO Rev 0, EVDO Rev A.

b)   No modifications were made to the equipment during testing.

c)   Manufacturer: Sierra Wireless, Inc.
Model: MC5725 Rev 2.0 (2)
Revision: p2005001, 29080 [Sep 21 2006 15:43:22], VID: PID:
ESN: 0x603C639C
+GCAP: +CIS707-A, CIS-856, +MS, +ES, +DS, +FCLASS

The transmitter was enabled with: Sierra Wireless Watcher Program. The radio function confirmation and call answering was done with ProComm Plus Terminal program.

2.) ERP, EIRP and Emissions testing was done with a (OTA) connection to a Rohde & Schwarz, CMU200 Communications Test Set with the required software licensing to allow CDMA200/EVDO 1xRTT, EVDO Rev 0, EVDO Rev A, over the air (OTA) connectivity.

d)   Emissions Designators

FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
24E	1851.25 - 1908.75	0.631	2.5 PM	1M27F9W
22H	824.7 - 848.31	0.759	2.5 PM	1M27F9W

e) Necessary Bandwidth Justification.

The summary of the Occupied Bandwidth test results are located on page 17 of the OEM test report and the supporting plots on the pages following. A copy of this test report is submitted along with this application.   Reference also the Sierra Wireless OEM modular grant for FCC ID: N7NMC5725U for which the conducted emissions test data is submitted.

f) For the dc voltages applied to and dc currents into several elements. Please refer to the information that has been provided in the confidential OEM Operational Description submitted to NW EMC directly from Sierra Wireless, Inc.