

March 16, 2007

Federal Communications Commission  
7435 Oakland Mills road  
Columbia, Maryland 21046

FCC ID: U6YRD-FA3221

Product Name: Premium Seat Electronics Box Model Number RD-FA3221-01

Subject: Operating Software and EUT Modifications Attestation Letter

Gentlemen:

Two different operating systems are being used for testing (Windows and Linux). The Premium Seat Electronics Box (PSEB) normally runs with the Linux operating software. The utility used to place the IEEE802.11abg radio module in a continuous transmit mode only runs with a Windows operating system. Therefore the tests dealing with the radio module will be run with the Windows operating system and the remainder of the testing will be run with the Linux operating system. Several physical changes to the PSEB are required to run the Windows operating system and none of these changes are associated with the radio module. All the changes are made on the PSEB Microprocessor board assembly. The changes are listed below:

EEPROM , IC-10 the system BIOS is changed to Phoenix-Award Workstation, Ver v6.00 PG  
Resistor R585 is removed

Compact Flash Memory is removed from position P5

A cable to support a keyboard is connected to:

IC-2 pin W3 to J5-43; keyboard clock

IC-2 pin V1 to J5-44; keyboard data

+5V to J5-45; keyboard +5V

+5 Return to J5-46; keyboard power and signal return

As a matter of convenience and to avoid physically opening the EUT numerous times to change operating systems, two PSEBs are being used. One configured with the changes noted above for tests that require Windows support. The second PSEB will run Linux and this unit has the hard drive disconnected. This was necessary to keep the Linux operating system from overwriting the Windows operating system which is resident on the hard drive. With two PSEB's two test configurations are supported, configuration 1 and configuration 2.

#### **Configuration 1:** Radio Module Testing

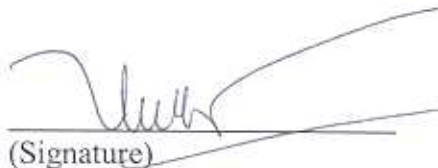
Uses a Windows based test utility to control operation of the IEEE802.11abg radio module. All other ports of the EUT will be terminated with respective devices but not operated.

**Configuration 2:** Remaining Tests

Using a Linux based test utility provided by Panasonic Avionics Corporation to control operation of the entire EUT. All ports of the EUT will be terminated with respective devices and operated as close as possible to the final configuration.

Sincerely,

By:



(Signature)

Mr. Loi Ninh  
(Print name)

Title: Director Hardware Engineering

On behalf of: Panasonic Avionics Corporation  
(Company Name)

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