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To FCC

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Overall Assessment Letter for Ericsson Mobile Broadband Module F3607gw
FCC id: VV7-MB MF3607GW1-D

I have reviewed this Class 2 Permissive change and find it compliant.

This is an application to permit installation of this module in a Dell Laptop which also includes a Bluetooth Module and one of a set of possible WLAN modules which can co-transmit with this module.

F3607gw has been assessed for installation in the Dell Latitude E4200 – PP15S laptop model. This laptop, within which the F3607gw module is being integrated supports Laptop mode only. The identification for each applicable module is provided in the Cover letter from Ericsson.

Please note the following:

1: FCC Permissions

The WLAN MIMO antenna is located within 5cm of the user. Therefore for one configuration of WLAN MIMO antenna and WWAN antenna, FCC permission was granted. in specific laptop arrangement subject to simultaneous transmit SAR evaluation per KDB 616217, for this case the sum-of-SAR criteria may be used to determine simultaneous transmit SAR evaluation requirement. For the antenna pair, WWAN, WLAN MIMO, the $\sum_{\text{all}} \text{max } 1\text{g SAR WWAN} + \text{WLAN} < 1.6\text{W/kg}$, therefore simultaneous transmission SAR evaluation was not required.

2: Grants for Other co-located Transmitter

The Client has stated that the corresponding Class 2 Permissive changes for the other co-located modules are outside their remit and it is assumed they are being progressed by either the respective grantees or other agents on their behalf. Consequently this application has only focused on the issues related to this module.

3: Co-transmission

The Bluetooth antenna is greater than 5cm from the WWAN antenna and the Bluetooth P_{Tx} is less than 60/f, therefore simultaneous transmission SAR was not required. The WWAN antenna is located greater than 5cm from all antennas. For the antennas which simultaneously transmit and are located > 5cm from each other, the KDB 616217 policy states that provided the antenna-antenna distance = 5cm AND antenna-user = 5cm AND $\sum_{all} \max 1g SAR < 1.6W/kg$, then simultaneous transmission SAR evaluation is not required. The $\sum_{all} \max 1g SAR WWAN + WLAN < 1.6W/kg$, therefore simultaneous transmission SAR evaluation was not required.

5: Separation distance between antennas

Within Exhibit 12 there is a separate exhibit providing antenna location information for this laptop. Details pertaining to the antennas and cable specifications are also provided within Exhibit 12.

6: 900MHz SAR Dipole Validation and Probe

The Probe Calibration and Validation information within the test report relates to 900MHz which is not within 50MHz of the frequency of interest for GSM850, therefore the test lab has provided a justification to address the requirements within the test report.

7: Intel Corporation SAR Report for Intel WIFI-Link 5300 Series (Tyco Antenna)

The report submitted shows the FCC ID as being E2K513ANH. This is a typographical error and should state E2K533ANH.

I underwent the FCC RF exposure training with the FCC in October 2009.

Yours sincerely



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Certification Engineer