PRODUCTS
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To FCC

Overall Assessment Letter for Ericsson Mobile Broadband Module F3507g
FCC id: VV7-MBMF3507G-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 which can co-transmit with this module.

F3507g has been assessed for installation in the Dell Latitude XT2 laptop model. The identification for each applicable module is provided in the Cover letter from Ericsson.

As a result of the assessment review the SAR report was requested to be updated to include 900 MHz Body Validation data. Validation results were also required to be corrected to state the appropriate normalised measured value. An updated plot was also provided and corrections to the test configurations recorded in the SAR report were made to account for certain stated configurations not corresponding to the SAR plots provided. Please note:- The latest SAR report which is being submitted, on page 83 has a minor typographical error in table 3 as the title should state D900V2 instead of D1900V2 (the probe serial number is correct).

Please note the following:

1: 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.

2: 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 applicant has confirmed that there is a BIOS mechanism by which the WWAN transmitter is inhibited from transmitting at the same time as the WLAN transmitter. Therefore simultaneous transmission SAR assessment was not required to be covered in this permissive change application. The applicant has provided supporting material within Exhibit 12 for further information as well as within Section 2 and 3 of the Exhibit 13 Cover Letter from the applicant.

3: Separation distance between antennas

Within Exhibit 12 there are separate exhibits providing antenna location information for this single laptop which supports both a Notebook mode and a Tablet mode. Details pertaining to the antennas are also provided within Exhibit 12.

4: Dell Latitude XT2 laptop SAR Test Configurations

This laptop, within which the F3507g module is being integrated supports Notebook and Tablet mode. Because SAR testing is required to be carried out in Tablet mode, in both Edge and Base configurations, testing will be representative of the worst case RF Exposure condition. In Tablet Edge and Base configurations, which bring the transmitters in closer proximity to the user than in the Laptop mode, compliance is being demonstrated in the most onerous configuration.

The SAR report provides coverage for both Edge and Base (Portrait and Landscape) Tablet configurations.

In tablet mode, the applicant has declared that the LCD of the second landscape orientation is disabled to prevent the end users from using the tablet in this position where the WWAN antennas would be in direct contact with the user's body.

The test report was reviewed in accordance with KDB 447498 v03r02, KDB 616217 D01v01 and KDB 941225 D01v02.

The maximum SAR levels obtained are:

Base of laptop facing Phantom:	0.460 W/kg in UMTS FDD V
Edge of laptop facing Phantom in Portrait:	0.089 W/kg in UMTS FDD II
Edge of laptop facing Phantom in Secondary Portrait:	0.471 W/kg in EGPRS 850
Edge of laptop facing Phantom in Landscape:	0.019 W/kg in UMTS FDD V

I underwent the FCC RF exposure training with the FCC in October 2008.

Yours sincerely

Vina Kerai
Certification Engineer