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To FCC

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**Overall Assessment Letter for RIM Model RBS21CW
FCC id: L6ARBS20CW**

I have reviewed this application and find it compliant.

This is an application for a handheld Blackberry which supports CDMA, Bluetooth and aGPS.

Since it also has an USB port for connection to Computers a filing for a Class B Computer peripheral has also been made

Please note the following:

1: Part 15 Clause 15.203

While not explicitly reported within the test report, there is ready evidence within the application showing that the Antenna is internal to the equipment and not able to be changed without damage to the equipment.

2: Test set up photos

This exhibit includes files covering the

- Test Set up for the EMC and Radio tests
- Test Set up for the SAR tests
- Test Set up for the HAC tests

3: Spread Spectrum Declarations

The various declarations to meet the Spread Spectrum requirements are included in the Operating Description exhibit.

4: SAR

4.1 General

The highest reported Head SAR for CDMA1900 was 1.48 W/kg at 1851.25 MHz in left-hand cheek configuration. The highest reported Head SAR for CDMA800 was 0.99 W/kg at 824.7 MHz in right-hand cheek configuration.

The highest reported Body SAR for CDMA1900 was 1.25 W/kg at 1851.25 MHz using a Sports Case holster (provides 16mm spacing) and strap in rear facing phantom position. The highest reported Body SAR for CDMA800 was 0.89W/kg at 824.70 MHz using a Horizontal holster (provides 16mm spacing) in rear facing phantom position. The highest Body SAR with 2.5 cms separation was 0.49 W/kg at 824.70 MHz.



Assessment in top, middle and bottom channels of each CDMA band was performed using the Horizontal holster and Sports Case holster and Strap in standard rear facing phantom configuration, with each holster providing a separation distance of 16mm. The worst case frequency channel obtained from the assessment was further investigated using the White Leather Swivel, Black Premium Leather and Euro Swivel holsters, providing a separation distance of 21mm, 21mm and 18mm respectively.

The holster configuration which provided the worst case SAR in each band was then used to configure a body SAR test in front facing phantom configuration for each band. A Headset was connected to the device for SAR assessment in each band in the worst case configuration obtained. Bluetooth and CDMA were enabled simultaneously in each band in the worst case configuration for SAR assessment in standard rear facing phantom position. Finally, the device was configured without the use of a holster or accessory in rear facing phantom position with 2.5 cms separation for SAR assessment in each band.

I underwent the FCC RF exposure evaluation training at BABT in July 2007.

4.2 Bluetooth and Co-Transmission

The Bluetooth transmitter is categorically exempt and below the low threshold. No SAR evaluation occurred with this transmitter operating singly.

The product supports simultaneous transmission. There was no significant change in the CDMA1900 or CDMA800 Body SAR value when both transmitters were active.

5: HAC Testing

Although the device is capable of co-transmission (CDMA and Bluetooth) the client has confirmed that the Bluetooth is used to support Wireless Headsets and is not functional for use when near the head.

Consequently it was viewed that this could be reviewed by a TCB.

5.1 Speaker and T-Coil

The T-coil is not concentric with the speaker and therefore appropriate RF Emissions tests were performed within the RF Emissions test report.

6: aGPS

This device contains a GPS receiver to support the FCC E911 requirement for caller location identification and operates at 1.575MHz. The technical specification for the GPS receiver lists the GPS receive path as being totally independent of the main CDMA cell and PCS receive path. The user manual complies with Part 15 Clause 5.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Vina Kerai', is written over a blue horizontal line.

Vina Kerai
Compliance Engineer