



25 March 2008
Ref: US-000178

To FCC

BABT
Balfour House, Churchfield Road
Walton on Thames
Surrey, KT12 2TD
United Kingdom
Telephone: +44 (0)1932 251200
Fax: +44 (0)1932 251201
Direct Dial: +44 (0)1932 251261
E-mail: Vina.Kerai@babt.com
Website: www.babt.com

**Overall Assessment Letter for RIM Model RBU21CW
FCC id: L6ARBU20CW**

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: 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

2: Spread Spectrum Declarations

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

3: SAR

3.1 General

The highest reported Head SAR for CDMA1900 was 1.54 W/kg at 1880.0 MHz in right-hand cheek configuration with Bluetooth simultaneously transmitting. The highest reported Head SAR for CDMA800 was 0.66 W/kg at 836.52 MHz in left-hand cheek configuration.

The highest reported Body SAR for CDMA1900 was 0.99 W/kg at 1908.5 MHz using a Pot holster (provides 18mm spacing) in rear facing phantom position. The highest reported Body SAR for CDMA800 was 0.72 W/kg at 836.52 MHz using a Pot holster (provides 18mm spacing) in rear facing phantom position. The highest Body SAR with 2.5 cms separation was 0.39 W/kg at 836.52 MHz.



Assessment in top, middle and bottom channels of each CDMA band was performed where necessary and included configurations using the Leather swivel holster, Traditional Leather Swivel holster and Pot holster in rear facing phantom configuration. The worst case frequency channel obtained from the assessment was further investigated in front facing phantom configuration, in headset incorporated configuration or Bluetooth simultaneously transmitting configuration in the worst case frequency band.

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

3.2 Bluetooth and Co-Transmission

The product supports simultaneous transmission. There was no significant change in the worst case Body SAR value when both transmitters were active. Simultaneous transmission SAR was performed in CDMA 1900 top channel using the Pot holster in rear facing phantom configuration with Bluetooth simultaneously transmitting.

4: 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: 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 horizontal line.

Vina Kerai
Compliance Engineer