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September 12, 2005

Bruno Clavier
TIMCO ENGINEERING INC
849 NW State Road 45
Newberry, Florida 32669

Subject: Response to the Correspondence Reference JOB 1799UC5 for additional information on RIM BlackBerry Wireless Handheld FCC ID: L6ARAP31GW.

Dear Bruno:

The following addresses the comment on your **Correspondence Reference** JOB 1799UC5, dated September 12, 2005.

1. Table 4 refers to "pulse average power". Should this be Peak power rather? Please revise accordingly for consistency with the measurement procedure.

For the GSM signal, pulse average power and peak envelop power is the same quantity. The test report has been revised to rev. 01 with wording “pulse average power” being replaced with peak envelop power in the Table 4.

2. User's manual: Please provide the user with HAC labeling compliance information and statement.

In the Safety Information Booklet users document, page 8, HAC statement and ratings information can be found.

3. Please compare PMF values with those expected and explain any differences.

The E-Field PMF was measured to be 2.83 and the expected theoretical value is 2.88. The difference is ~ 1.74 % caused by measurement uncertainty.

The H-Field PMF was measured to be 2.52 and the expected theoretical value is 2.88. The difference is ~ 12.5 %. The H-Field modulation factor was measured several times for GSM signals and other technologies using timeslots (iDEN, CDMA gating). The H-Field probe seems to be consistently more responsive to modulated signals, reading higher field levels, resulting in lower modulation factors. RTS has informed the probe manufacturer (SPEAG) about this phenomenon.

4. Please provide the linear modulation factors used for determining targets values referenced on page 8.

Neither ANSI C63.19 nor the probe manufacturer give target values for AM and WD signals. The only available target values are for 20dBm CW signals. Therefore, from the ratio of peak and modulated average input power, the modulation factor target was determined for AM and WD signals. It can also be calculated from the theoretical target modulation factor.

The linear modulation factor for 80 % AM and GSM signal were determined to be 1.82 and 2.88.

Please do not hesitate to contact the undersigned should you have any questions.

Yours truly,

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