RTS

Research In Motion Limited
295 Phillip Street
Waterloo, Ontario
Canada N2L 3W8
+1 519 888 7465, fax +1 519 888 6906
E-mail: info@rim.com

June 28, 2005

Martin Perrine
Federal Communications Commission,
Equipment Authorization Division
Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21045

Subject: Response to the FCC Correspondence Reference # 21123 for additional information on RIM BlackBerry Wireless Handheld FCC ID: L6AR6230GE, 731 Confirmation # TC493009

Dear Martin:

The following addresses the comment on your **Correspondence Reference #** 21123, dated June 21, 2005.

We have implemented all aspects of the HAC May 05 RF Emission Measurement TCB Review Guidance as follows:

A) Measuring HAC RF emission on all three channels: low, middle and high.
B) Rotating probe 360 ° at the absolute maximum location point and showing the location on the plots.
C) Showing the exclusion blocks on the contour plots.
D) Performing weekly system validation with three signal types as per C63.19 and comparing the results to equipment manufacturer's target values.
E) Converting RMS to peak by measuring modulation factor as per C63.19, Annex C3.1 and showing 0 Hz span plots of the spectrum analyzer.
F) Providing details of the WD's signal by including 0 Hz span spectrum analyzer plots.
G) Measuring power drift and ensuring that it is ≤ 5 %.
H) Explaining any differences in power between the HAC, SAR and EM reports.
I) Calibration of probes per IEEE Std 1309.
J) Providing probe description or specification to address the dynamic range.
K) Providing site/equipment specific measurement uncertainty.

In addition to general comments, the following address the specific points:

1) Please refer to the revised test report number RTS-0228-0506-01 rev 02 for the shading of exclusion blocks on the grids.
2) Please refer to the revised test report number RTS-0228-0506-01 rev 02 for the location of the probe rotation.

As per manufacturer of the measurement system quoted below, the probe can only be moved to the absolute maximum position, not to the maximum location after excluding 3 blocks. Therefore, we found the delta due to rotation at the absolute max then added it to the max after exclusion.

-----Original Message-----
From: SPEAG support [mailto:support@speag.com]
Sent: June 27, 2005 3:42 PM
To: Daoud Attayi
Subject: Re: [SPEAG Support - 2447] Question_DASY 4 probe rotation for HAC

“hi daoud,

in the DASY4 software, "Move to Interp. Max" of any job moves the probe to the absolute maximum of the measured area. exclusion of the cubes in the HAC job is execute only during the post-processing i.e. only in the SEMCAD-PP part of the software.

best, katja”

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

Yours truly,

Masud S. Attayi, P.Eng.
Senior Compliance Engineer,
RTS (RIM Testing Services)
A Division of Research In Motion Limited
Tel: +1 519 888–7465 x2442
Fax: +1 519 888-6906
Email: mattayi@rim.com