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.net

January 13, 2004

Diane Poole

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

Subject: Response to the FCC Correspondence Reference Number **26178** for clarification on RIM BlackBerry Wireless Handheld FCC ID L6ARAO30GN, 731 Confirmation Number **EA274470**

Dear Diane:

The following addresses your inquiry Correspondence Reference Number **26178, dated January 07, 2004:**

The device can be placed in the foam holsters with the display out. However, the intended usage of the holsters is that the handheld be slid into the holster with keyboard side facing the user (facing the belt-clip) while in the holster. This positioning has the benefit of protecting the keypad and the large LCD from damage.

1.0 SAR result summary for body-worn configuration using Horizontal and Vertical foam holsters with display in / out configurations

Please refer to the SAR test report number: RIM-0073-0311-01, **"**SAR Compliance Test Report for foam holsters with BlackBerry Wireless Handheld Model RAO30GN", for the tissue simulating liquid's dielectric properties and Dipole Validation data.

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Mode	f (MHz)	Conducted Output Power (dBm)	Liquid Temp. (°C)	SAR, averaged over 1 g (W/kg) Vertical Holster	SAR, averaged over 1 g (W/kg) Horizontal Holster	SAR, averaged over 1 g with headset (W/kg) Vertical Holster	LCD display position
GSM 850	824.20	32.1	22.2	0.90	0.91	-	out
	836.80	32.0	22.1	1.04	1.03	-	out
	848.80	31.9	22.2	**1.15**	0.88	1.03	out
PCS 1900	1850.20	30.4	22.2	**1.15**	0.87	0.93	out
	1880.00	30.2	22.2	1.07	0.97	-	out
	1909.80	30.3	22.1	0.97	1.04	-	out
GSM 850	824.20	-	-	-	-	-	in
	*836.80	32.0	22.2	0.17	0.25	-	in
	848.80	-	-	-	-	-	in
PCS 1900	1850.20	-	-	-	-	-	in
	*1880.00	30.2	22.1	0.10	0.07	-	in
	1909.80	-	-	-	-	-	in

Table 1.0 SAR result summary for body-worn configuration using Horizontal and Vertical foam holsters

* Supplement C: Middle channel testing is sufficient only if SAR < 3dB below limit see PN 02-1438

2.0 SAR plots for body-worn configuration using Horizontal and Vertical foam holsters with display out configuration

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.net

Date/Time: 10/31/03 17:03:07

Test Laboratory: Research In Motion Limited

Ambient Temperature: 24.6 (°C); Liquid Temperature: 22.2 (°C)

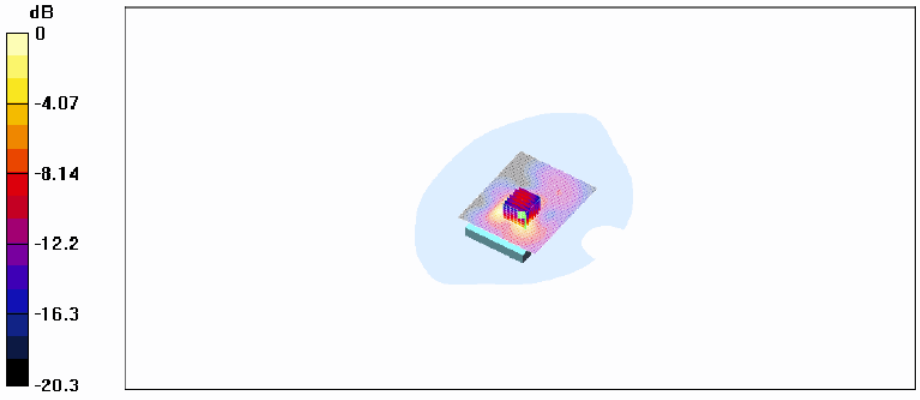
DUT: BlackBerry Wireless Handheld Model RAO30GN; Type: Sample; Configuration: Body-worn with Vertical Holster HDW-06620-000, back side facing the belt-clip

Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: M1900 (σ = 1.535 mho/m, ε_r = 51.075, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.9, 4.9, 4.9); Calibrated: 28/08/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 20.7 V/m
Power Drift = -0.06 dB
Maximum value of SAR = 1.32 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.638 mW/g
Reference Value = 20.7 V/m
Power Drift = -0.06 dB
Maximum value of SAR = 1.29 mW/g



0 dB = 1.29mW/g

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.net

Date/Time: 11/03/03 14:27:31

Date/Time: 11/03/03 14:27:31

Test Laboratory: Research In Motion Limited

Ambient Temperature: 24.4 (°C); Liquid Temperature: 22.2 (°C)

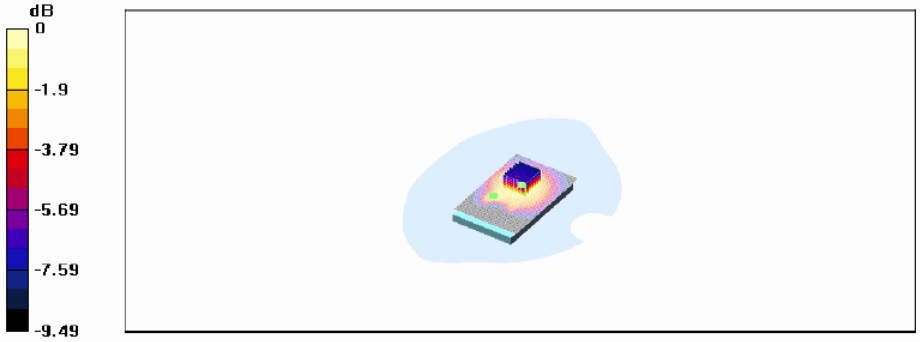
DUT: BlackBerry Wireless Handheld Model RAO30GN; Type: Sample; Configuration: Body-worn with Vertical Holster HDW-06620-000, back side facing the belt-clip

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: M 835 (σ = 0.97 mho/m, ε_r = 53.15, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(6.4, 6.4, 6.4); Calibrated: 28/08/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 31.6 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.21 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.792 mW/g
Reference Value = 31.6 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 1.24 mW/g



0 dB = 1.24mW/g

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.net

Date/Time: 11/04/03 14:04:03

Test Laboratory: Research In Motion Limited

Ambient Temperature: 24.9 (°C); Liquid Temperature: 22.2 (°C)

DUT: BlackBerry Wireless Handheld Model RAO30GN; Type: Sample; Configuration: Body-worn with Horizontal Holster HDW-06619-000, back side facing the belt-clip

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: M 835 (σ = 0.97 mho/m, ε_r = 53.8, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(6.4, 6.4, 6.4); Calibrated: 28/08/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 33.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.12 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.703 mW/g
Reference Value = 33.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 1.12 mW/g

0 dB = 1.12mW/g

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.net

Date/Time: 11/02/03 14:22:22

Test Laboratory: Research In Motion Limited

Ambient Temperature: 24.5 (°C); Liquid Temperature: 22.1 (°C)

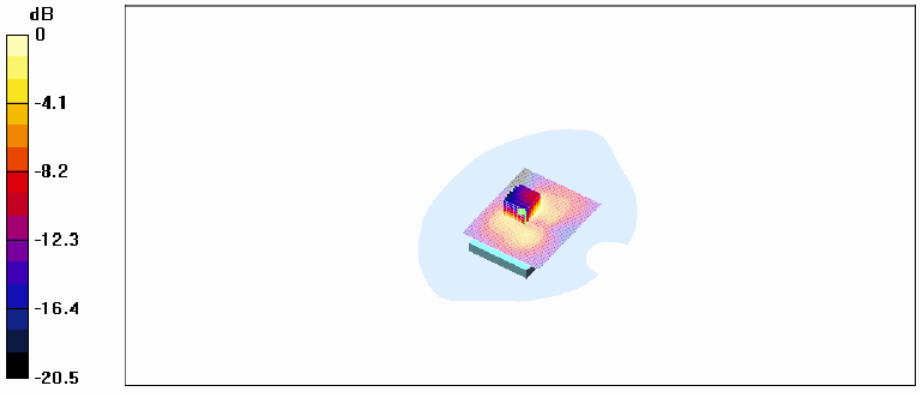
DUT: BlackBerry Wireless Handheld Model RAO30GN; Type: Sample; Configuration: Body-worn with Horizontal Holster HDW-06619-000, back side facing the belt-clip

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: M1900 (σ = 1.535 mho/m, ε_r = 51.075, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.9, 4.9, 4.9); Calibrated: 28/08/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 14.5 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 1.19 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.532 mW/g
Reference Value = 14.5 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 1.17 mW/g



0 dB = 1.17mW/g

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.net

Please do not hesitate to contact the undersigned should you require additional information or have any questions.

Yours truly,

Masud S. Attayi, P.Eng.
Senior Compliance & Certification Engineer
Research In Motion Limited
Tel: +1 519 888–7465 x2442
Fax: +1 519 888-6906
Email: mattayi@rim.net