APPENDIX A: SAR DISTRIBUTION COMPARISON FOR THE ACCURACY VERIFICATION

Date/Time: 09/09/03 11:47:47

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.6 °C **Liquid Temperature : 21.8 °C**

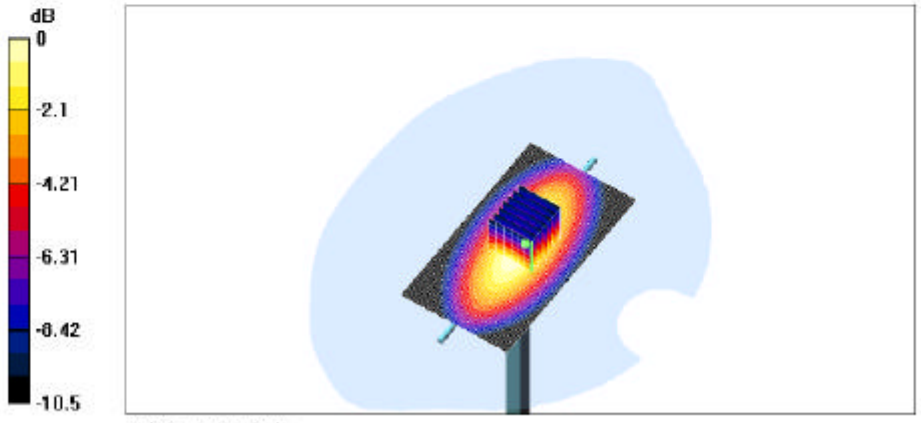
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: 835 MHz Head (σ = 0.9149 mho/m, ε_r = 42.5113, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 111.0 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 10.7 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 14.4 W/kg
SAR(1 g) = 9.96 mW/g; SAR(10 g) = 6.48 mW/g
Reference Value = 111.0 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 10.7 mW/g



0 dB = 10.7mW/g

Date/Time: 09/11/03 10:37:00

Test Laboratory: Research In Motion Limited

Ambient Temperature : 21.5 °C **Liquid Temperature : 20.6 °C**

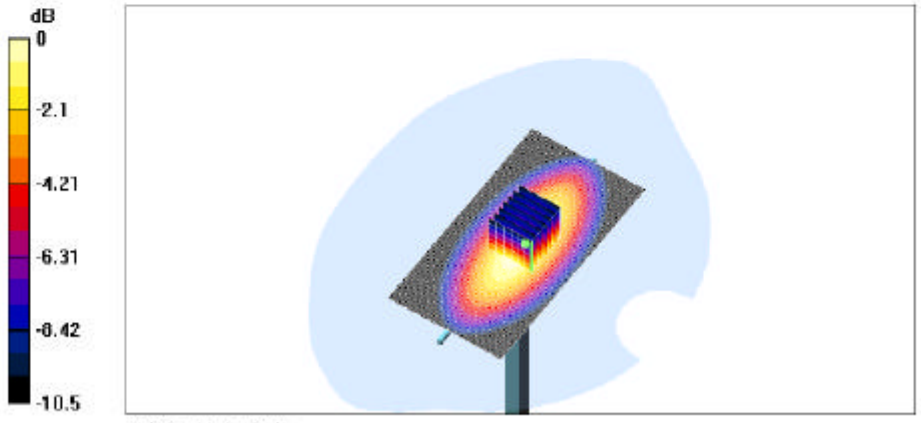
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (81x151x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 113.1 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 11.1 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 15.4 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 6.62 mW/g
Reference Value = 113.1 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 11.1 mW/g



0 dB = 11.1mW/g

Date/Time: 09/14/03 13:02:05

Test Laboratory: Research In Motion Limited

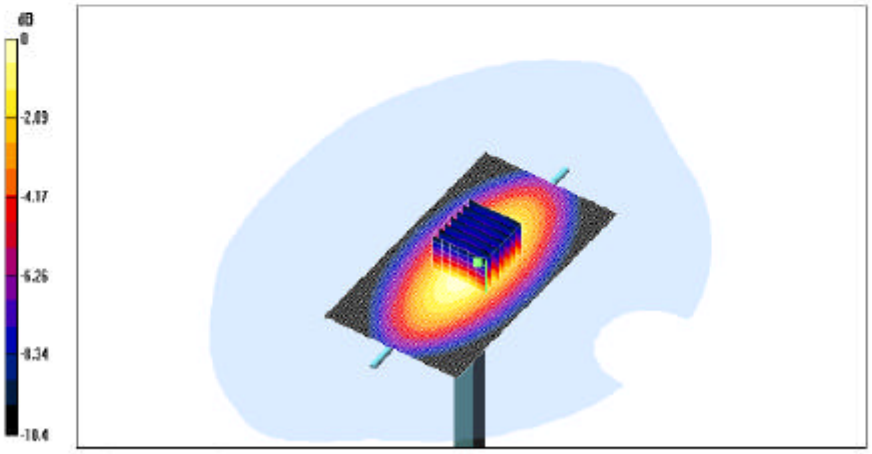
Ambient Temperature : 21.5 °C **Liquid Temperature : 20.6 °C**

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 111.0 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 10.6 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 14.5 W/kg
SAR(1 g) = 9.9 mW/g; SAR(10 g) = 6.43 mW/g
Reference Value = 111.0 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 10.6 mW/g



0 dB = 10.6mW/g

Date/Time: 09/15/03 11:08:42

Test Laboratory: Research In Motion Limited

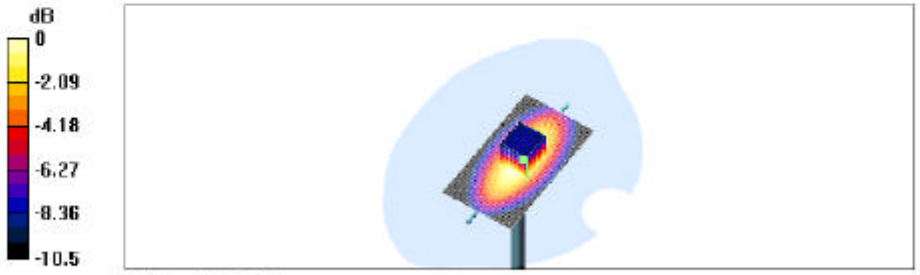
Ambient Temperature : 22.0 °C **Liquid Temperature : 21.2 °C**

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.22, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Unnamed procedure/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 112.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 11 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 15 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.55 mW/g
Reference Value = 112.2 V/m
Power Drift = -0.05 dB
Maximum value of SAR = 10.9 mW/g



0 dB = 10.9mW/g

APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Date/Time: 09/11/03 12:45:30

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.4 °C Liquid Temperature : 21.2 °C

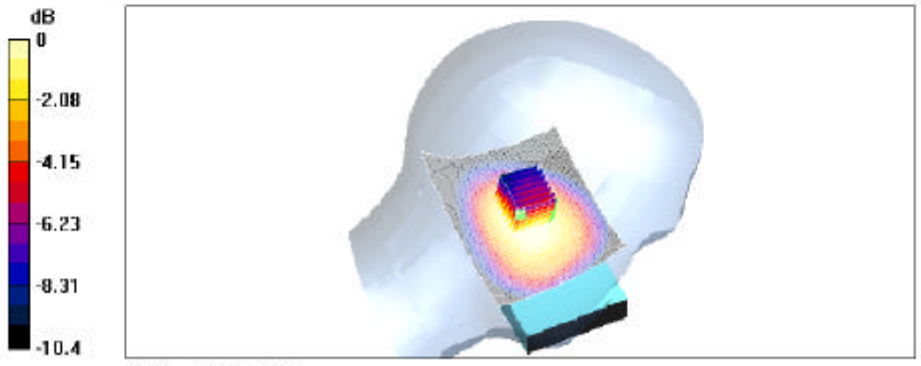
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Serial: N/A

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 29.2 V/m
Power Drift = -0.08 dB
Maximum value of SAR = 0.773 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.97 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.547 mW/g
Reference Value = 29.2 V/m
Power Drift = -0.08 dB
Maximum value of SAR = 0.786 mW/g



0 dB = 0.786mW/g

file://C:\Program%20Files\DASY4\Print_Templates\Left%20side%20of%20head%20tou... 17/09/2003

Date/Time: 09/11/03 14:02:49

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.4 °C Liquid Temperature : 21.2 °C

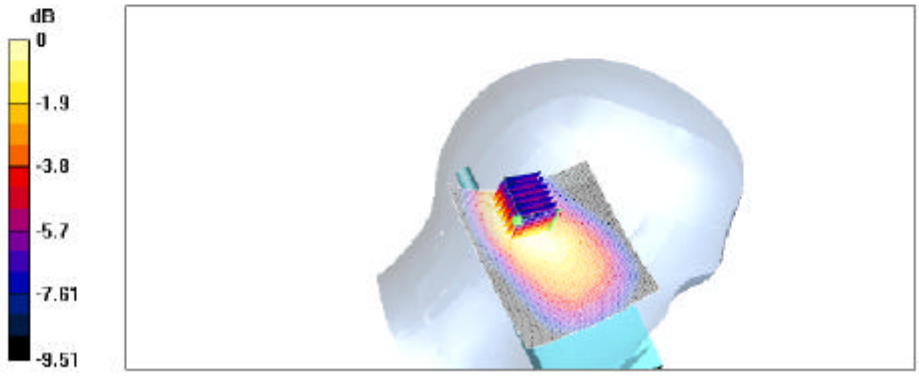
DUT: BlackBerry Wireless Handheld Model RAL10IN Ext; Type: Sample (Extended Ant.); Serial: N/A

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 22.6 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.506 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.338 mW/g
Reference Value = 22.6 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.525 mW/g



Date/Time: 09/10/03 19:28:20

Test Laboratory: Research In Motion Limited

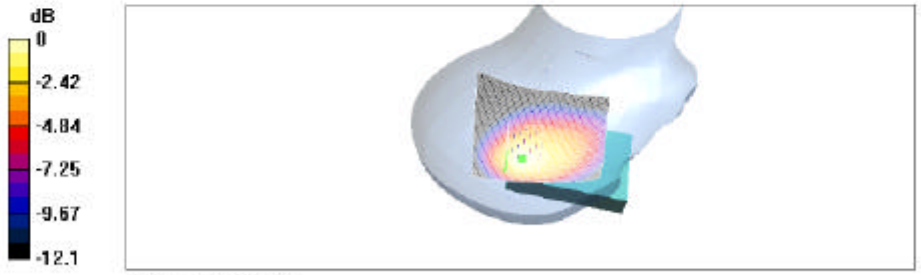
Ambient Temperature : 22.6 °C **Liquid Temperature : 21.6 °C**

DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Serial: N/A
Communication System: IDEN 800 MHz; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.9149 mho/m, ε_r = 42.5113, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 26.5 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.934 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.9 mW/g; SAR(10 g) = 0.588 mW/g
Reference Value = 26.5 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.959 mW/g



0 dB = 0.959mW/g

Date/Time: 09/10/03 18:47:28

Test Laboratory: Research In Motion Limited

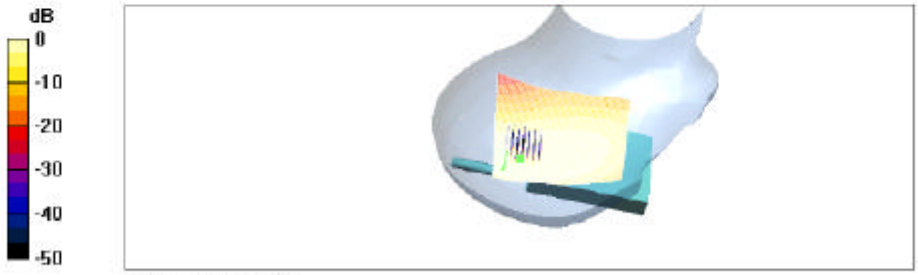
Ambient Temperature : 22.6 °C **Liquid Temperature : 21.6 °C**

DUT: BlackBerry Wireless Handheld Model RAL10IN Ext; Type: Sample (Extended Ant.); Serial: N/A
Communication System: IDEN 800 MHz; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.9149 mho/m, ε_r = 42.5113, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 19.8 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.582 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.101 mW/g
Reference Value = 19.8 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.372 mW/g



0 dB = 0.372mW/g

Date/Time: 09/11/03 15:59:13

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.6 °C Liquid Temperature : 21.4 °C

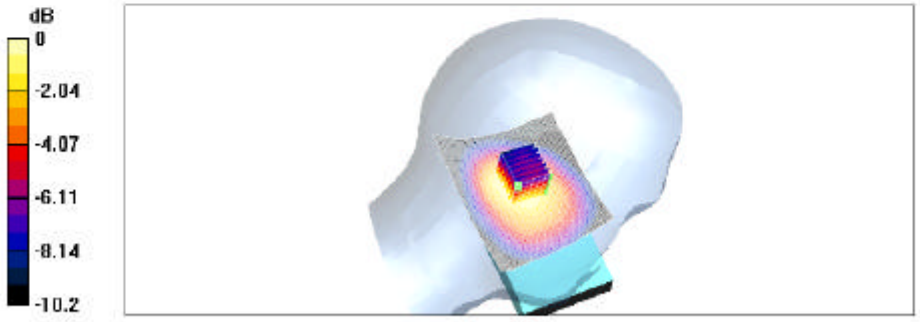
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Higher capacity battery; Serial: N/A

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 29.3 V/m
Power Drift = 0.06 dB
Maximum value of SAR = 0.741 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.941 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.497 mW/g
Reference Value = 29.3 V/m
Power Drift = 0.06 dB
Maximum value of SAR = 0.762 mW/g



0 dB = 0.762mW/g

Date/Time: 09/11/03 16:35:42

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.6 °C Liquid Temperature : 21.4 °C

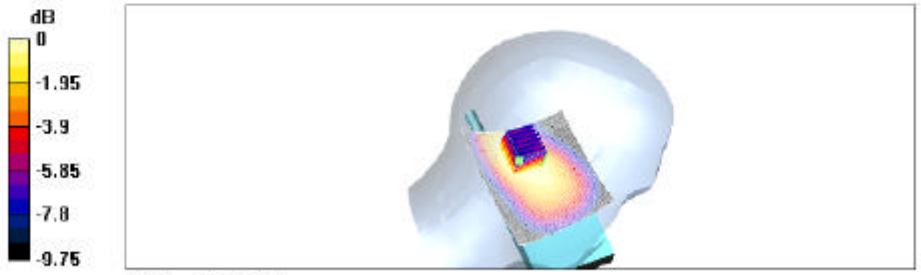
DUT: BlackBerry Wireless Handheld Model RAN10IN Ext; Type: Sample (Extended Ant.); With higher capacity battery.

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 23 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.475 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.586 W/kg
SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.309 mW/g
Reference Value = 23 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 0.48 mW/g



0 dB = 0.48mW/g

Date/Time: 09/14/03 14:53:53

Test Laboratory: Research In Motion Limited

Ambient Temperature : 21.5 °C Liquid Temperature : 20.6 °C

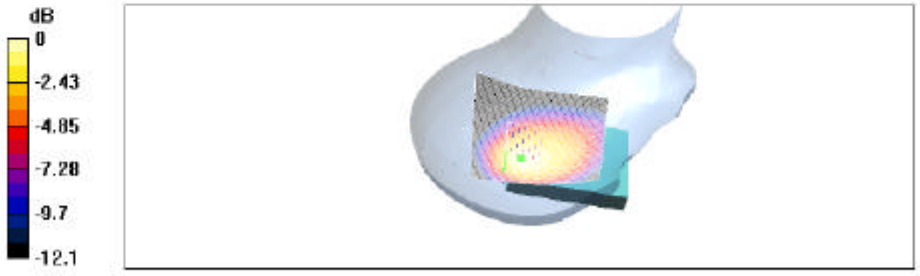
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); With larger capacity battery.

Communication System: IDEN ; Frequency: 806.013 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 26.6 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.934 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.909 mW/g; SAR(10 g) = 0.595 mW/g
Reference Value = 26.6 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.977 mW/g



0 dB = 0.977mW/g

Date/Time: 09/14/03 17:27:45

Test Laboratory: Research In Motion Limited

Ambient Temperature : 21.6 °C Liquid Temperature : 20.8 °C

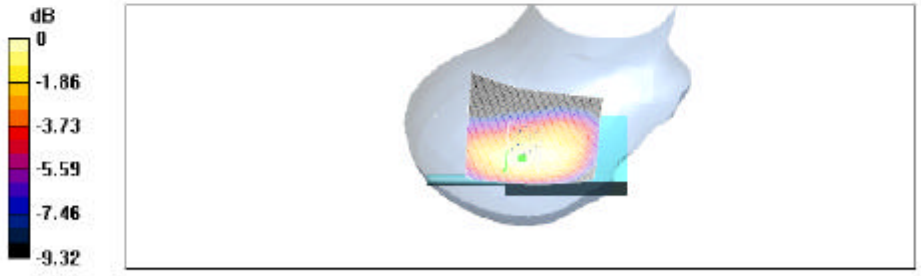
DUT: BlackBerry Wireless Handheld Model RAL10IN Ext; Type: Sample (Extended Ant.); With higher capacity battery

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: 835 MHz Head (σ = 0.91 mho/m, ε_r = 42.73, ρ = 1000 kg/m^3)
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.6, 6.6, 6.6); Calibrated: 21/10/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 19/08/2003
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- 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 = 20.8 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.506 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.751 W/kg
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.347 mW/g
Reference Value = 20.8 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.53 mW/g



0 dB = 0.53mW/g

APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN SAR CONFIGURATION

Date/Time: 09/15/03 12:10:14

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.8 °C Liquid Temperature : 21.5 °C

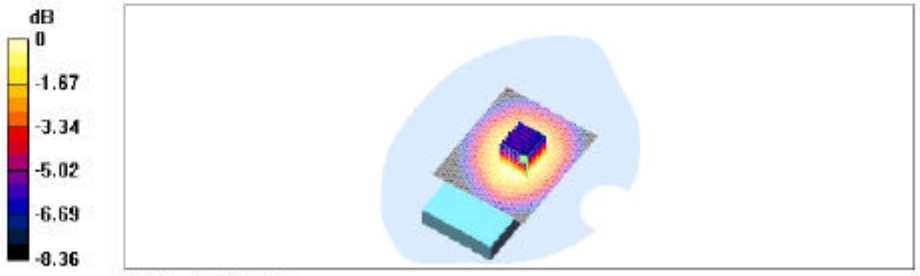
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Body-worn with holster

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 24.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.531 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.377 mW/g
Reference Value = 24.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.538 mW/g



0 dB = 0.538mW/g

Date/Time: 09/15/03 13:58:13

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.7 °C Liquid Temperature : 21.7 °C

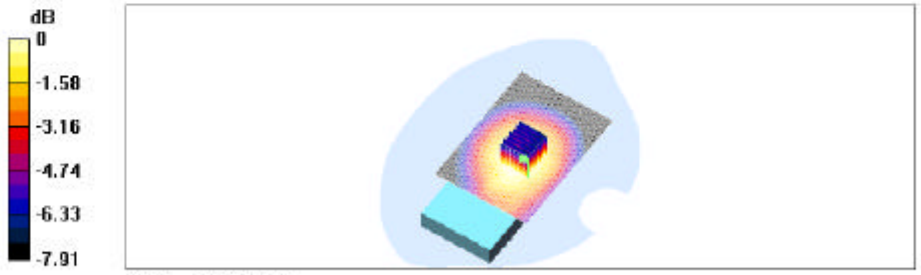
DUT: BlackBerry Wireless Handheld Model RAL10IN Ext; Type: Sample (Extended Ant.); Body worn with holster

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 (101x141x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 20.1 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.392 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.279 mW/g
Reference Value = 20.1 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.393 mW/g



0 dB = 0.393mW/g

Date/Time: 09/15/03 15:12:54

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.4 °C Liquid Temperature : 21.2 °C

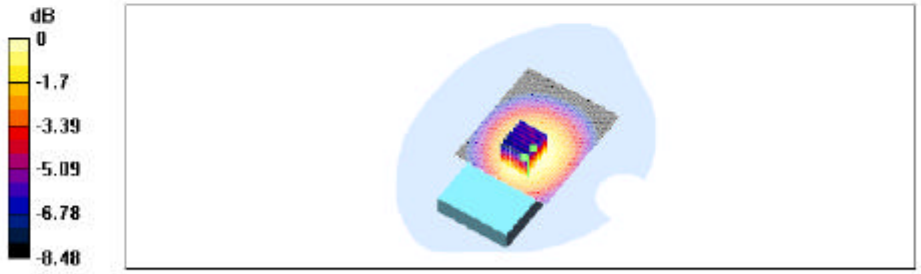
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Body worn with leather holster

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 23.7 V/m
Power Drift = -0.3 dB
Maximum value of SAR = 0.52 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.372 mW/g
Reference Value = 23.7 V/m
Power Drift = -0.3 dB
Maximum value of SAR = 0.529 mW/g



0 dB = 0.529mW/g

Date/Time: 09/15/03 15:50:27

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.3 °C Liquid Temperature : 21.2 °C

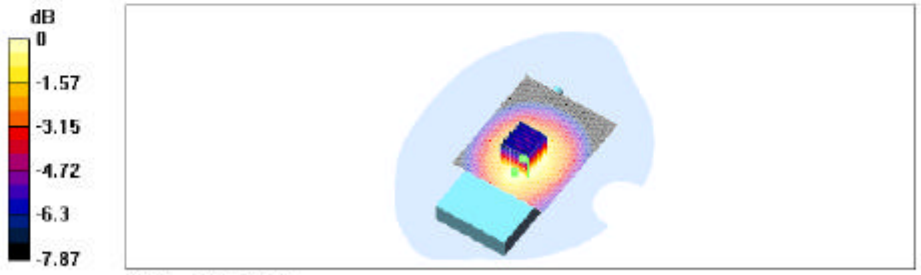
DUT: BlackBerry Wireless Handheld Model RAL10IN Ext; Type: Sample (Extended Ant.); Body worn with leather holster

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.86, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 20.5 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.392 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.468 W/kg
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.277 mW/g
Reference Value = 20.5 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.392 mW/g



0 dB = 0.392mW/g

Date/Time: 09/15/03 16:24:29

Test Laboratory: Research In Motion Limited

Ambient Temperature : 21.8 °C Liquid Temperature : 21.0 °C

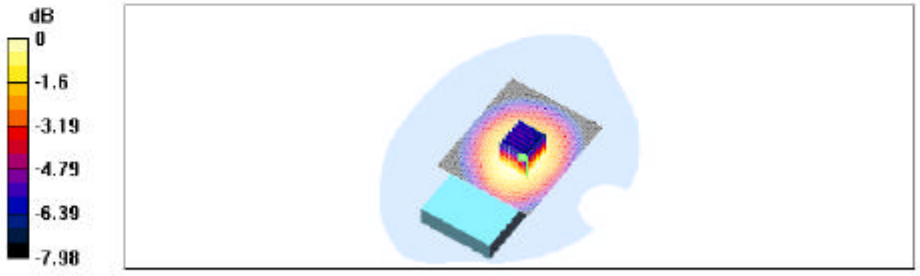
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Body worn with holster and higher capacity battery

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 24.2 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.537 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.378 mW/g
Reference Value = 24.2 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.532 mW/g



0 dB = 0.532mW/g

Date/Time: 09/15/03 17:32:54

Test Laboratory: Research In Motion Limited

Ambient Temperature : 21.8 °C Liquid Temperature : 21.0 °C

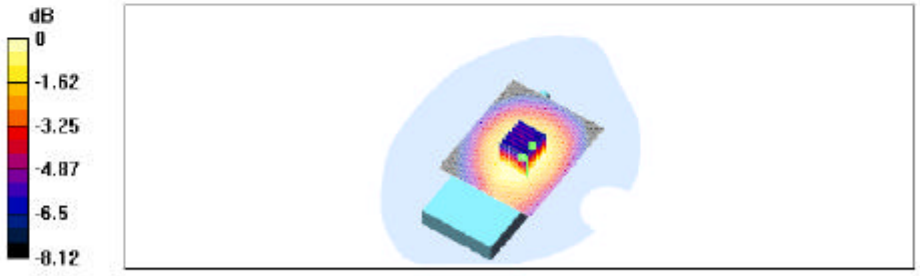
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Extended Ant.); Body worn with holster and higher capacity battery

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 20.9 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.392 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.276 mW/g
Reference Value = 20.9 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.385 mW/g



0 dB = 0.385mW/g

Date/Time: 09/16/03 09:24:24

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.5 °C Liquid Temperature : 21.3 °C

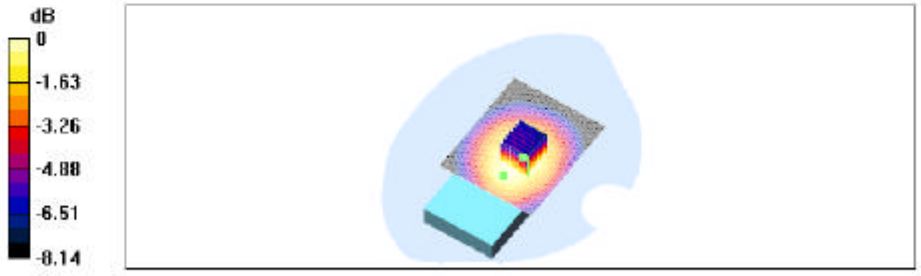
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Retracted Ant.); Body worn with leather holster and higher capacity battery

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.86, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 23.3 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.505 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.47 mW/g; SAR(10 g) = 0.361 mW/g
Reference Value = 23.3 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.503 mW/g



0 dB = 0.503mW/g

Date/Time: 09/16/03 09:58:08

Test Laboratory: Research In Motion Limited

Ambient Temperature : 22.5 °C Liquid Temperature : 21.3 °C

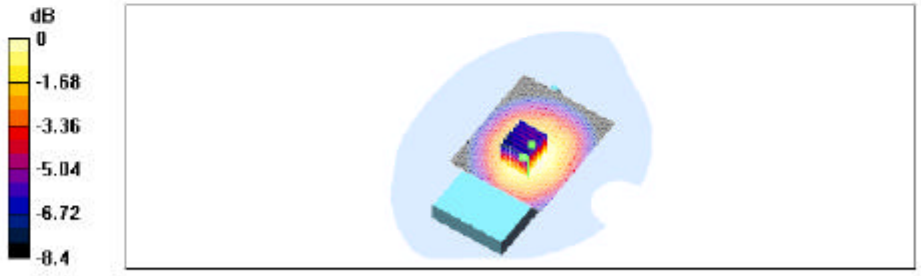
DUT: BlackBerry Wireless Handheld Model RAL10IN; Type: Sample (Extended Ant.); Body worn with leather holster and higher capacity battery

Communication System: IDEN ; Frequency: 815.5 MHz;Duty Cycle: 1:3
Medium: M 835 (σ = 0.98 mho/m, ε_r = 53.79, ρ = 1000 kg/m^3)
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.4, 6.4, 6.4); Calibrated: 21/10/2002
- 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 = 24 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.519 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.65 W/kg
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.368 mW/g
Reference Value = 24 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.52 mW/g



0 dB = 0.52mW/g