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APPENDIX A: SAR DISTRIBUTION COMPARISON FOR THE ACCURACY VERIFICATION

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Date/Time: 10/22/04 14:38:51

Test Laboratory: RIM

835 MHz dipole validation; Ambient Tem. 23.8 deg. cel.; Liquid Temp. 22.5 deg. cel

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

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 MHz Head Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 44.7$; $\rho = 1000$

kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (81x161x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 10.5 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,

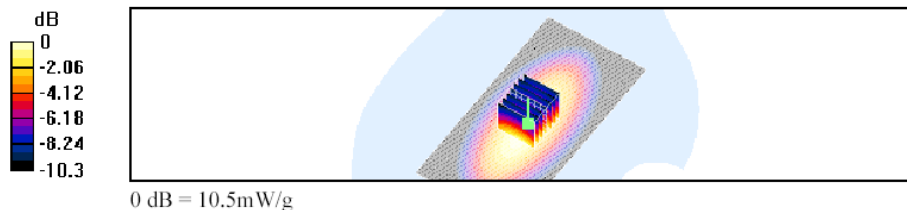
$dz=5\text{mm}$

Reference Value = 110.6 V/m ; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(1 g) = 9.7 mW/g ; SAR(10 g) = 6.41 mW/g

Maximum value of SAR (measured) = 10.5 mW/g



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Date/Time: 10/28/04 11:03:06

Test Laboratory: RIM

1900 MHz dipole validation; Ambient Temp. 24.3 deg. cel.; Liquid Temp. 22.1 deg. cel

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 45.2 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

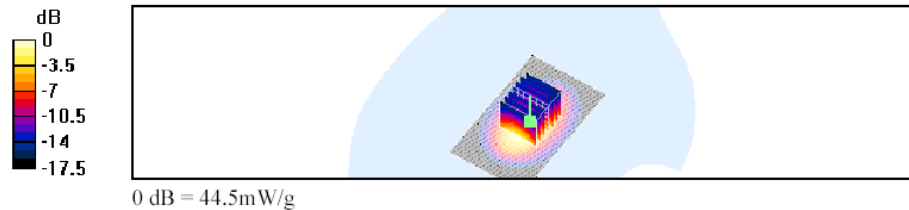
dz=5mm

Reference Value = 189.8 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 70.1 W/kg

SAR(1 g) = 39.4 mW/g; SAR(10 g) = 20.5 mW/g

Maximum value of SAR (measured) = 44.5 mW/g



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APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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Date/Time: 10/22/04 15:34:19

Test Laboratory: RIM

**Touch right; CDMA cellular band; Mid Chan; Ambient Tem. 23.8 deg. cel.; Liquid
Temp. 22.5 deg. cel**

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

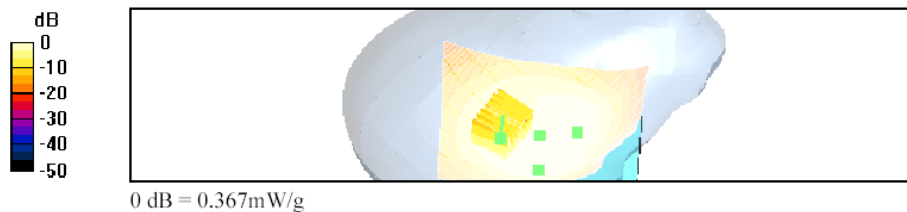
Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 44.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM I; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 19.5 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.366 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.367 mW/g



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Date/Time: 10/25/04 10:35:54

Test Laboratory: RIM

Tilted right; CDMA cellular band; Mid Chan; Ambient Tem. 24.5 deg. cel.; Liquid Temp. 22.7 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.7 V/m; Power Drift = 0.0 dB

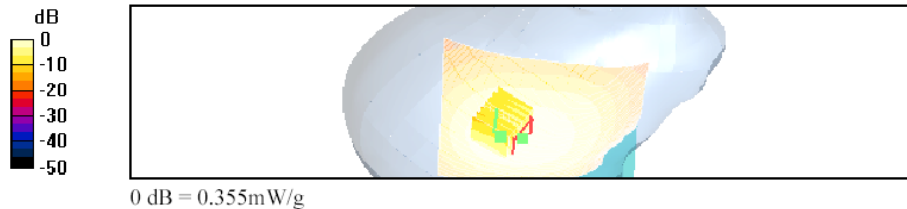
Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.359 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.355 mW/g



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Test Laboratory: RIM

Touch left; CDMA cellular band; Mid Chan; Ambient Tem. 24.8 deg. cel.; Liquid Temp. 23.0 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = 0.1 dB

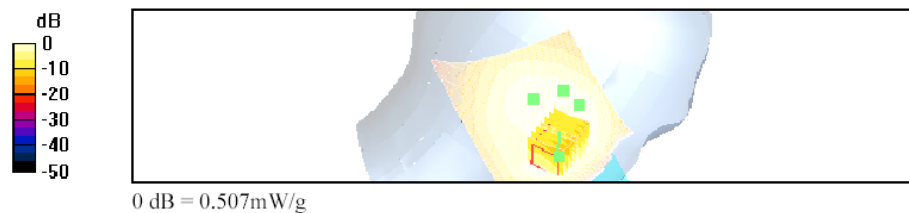
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.541 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.507 mW/g



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Test Laboratory: RIM

Tilted left; CDMA cellular band; Mid Chan; Ambient Tem. 24.5 deg. cel.; Liquid Temp. 22.8 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = 0.0 dB

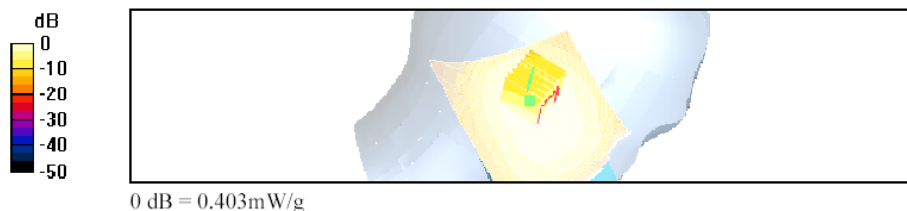
Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.413 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.403 mW/g



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Date/Time: 10/25/04 14:24:10

Test Laboratory: RIM

Touch left; CDMA cellular band; Mid Chan; Sanyo Battery; Ambient Tem. 24.7 deg. cel.; Liquid Temp. 22.9 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.1 dB

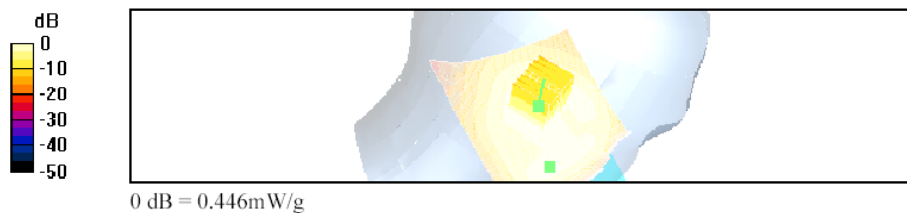
Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.457 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.446 mW/g



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Date/Time: 10/25/04 15:23:27

Test Laboratory: RIM

Touch left; CDMA cellular band; Mid Chan; Higher Cap. Battery; Ambient Tem. 24.8 deg. cel.; Liquid Temp. 22.8 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = 0.0 dB

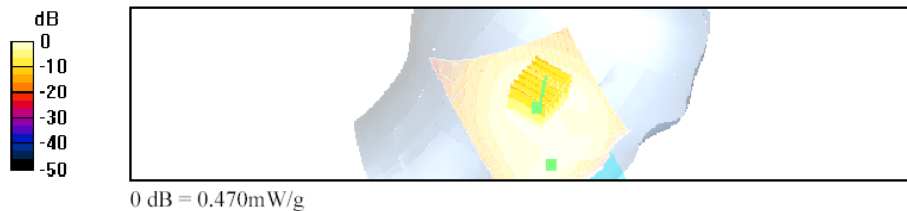
Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.473 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.470 mW/g



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Test Laboratory: RIM

Touch left; CDMA cellular band; Mid Chan; Higher Cap. Battery; BT ON; Ambient Temp. 24.7 deg. cel.; Liquid Temp. 22.6 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: 835 MHz Head Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.57, 6.57, 6.57); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = -0.1 dB

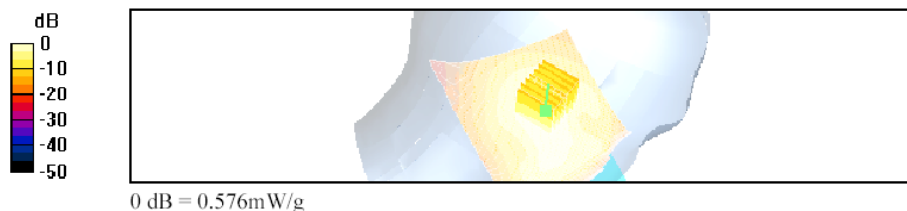
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.589 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.576 mW/g



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Test Laboratory: RIM

Touch right; CDMA 1900; Mid Chan; Ambient temp. 24.7 deg. cel.; Liquid temp. 22.3 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.89 V/m; Power Drift = 0.1 dB

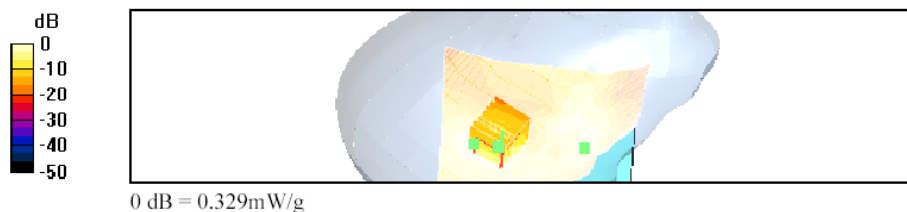
Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.318 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.329 mW/g



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Test Laboratory: RIM

Tilted right; CDMA 1900; Mid Chan; Ambient temp. 24.9 deg. cel.; Liquid temp. 22.5 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.2 dB

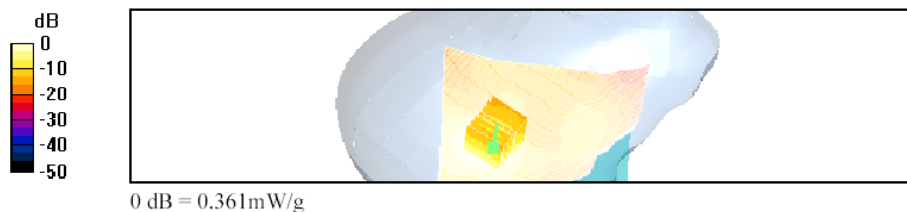
Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.188 mW/g

Maximum value of SAR (measured) = 0.347 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.361 mW/g



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Test Laboratory: RIM

**Tilted right; CDMA 1900; Sanyo battery; Mid Chan; Ambient temp. 24.1 deg. cel;
Liquid temp. 22.9 deg. cel**

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.1 dB

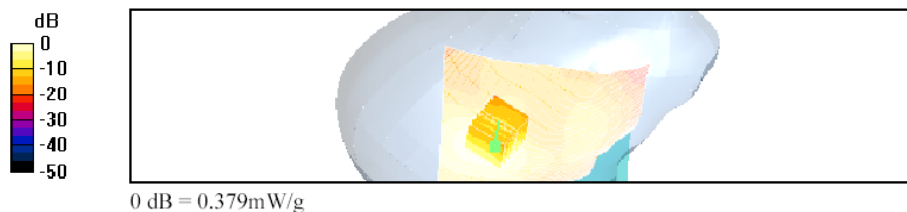
Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 0.363 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.379 mW/g



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Date/Time: 10/29/04 11:50:42

Test Laboratory: RIM

Tilted right; CDMA 1900; higher cap. battery; Mid Chan; Ambient temp. 23.9 deg. cel.; Liquid temp. 22.8 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = 0.0 dB

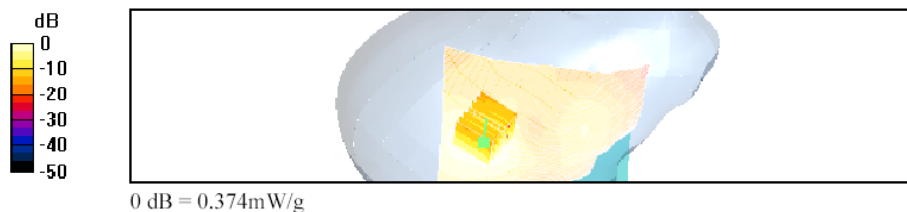
Peak SAR (extrapolated) = 0.511 W/kg

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.370 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.374 mW/g



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Date/Time: 10/29/04 13:50:18

Test Laboratory: RIM

Tilted right; CDMA 1900; higher cap. battery; Mid Chan; BT ON; Ambient temp. 23.8 deg. cel.; Liquid temp. 22.6 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.003 dB

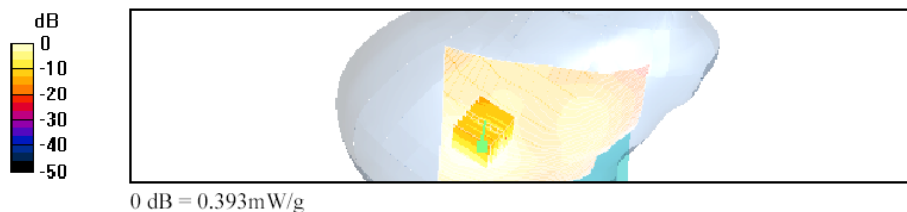
Peak SAR (extrapolated) = 0.541 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.386 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.393 mW/g



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Date/Time: 10/28/04 14:30:56

Test Laboratory: RIM

Touch left; CDMA 1900; Mid Chan; Ambient temp. 24.6 deg. cel; Liquid temp. 22.4 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.1 dB

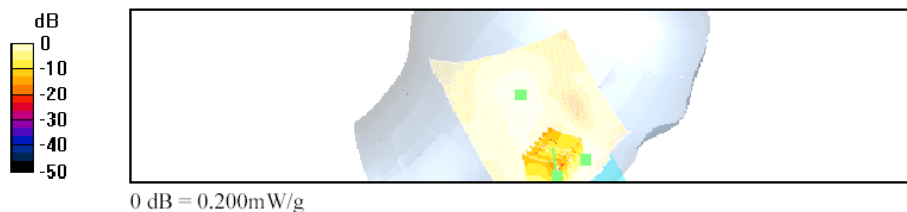
Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.114 mW/g

Maximum value of SAR (measured) = 0.202 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.200 mW/g



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Date/Time: 10/28/04 15:23:16

Test Laboratory: RIM

Tilted left; CDMA 1900; Mid Chan; Ambient temp. 24.8 deg. cel.; Liquid temp. 22.5 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.38, 5.38, 5.38); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = 0.1 dB

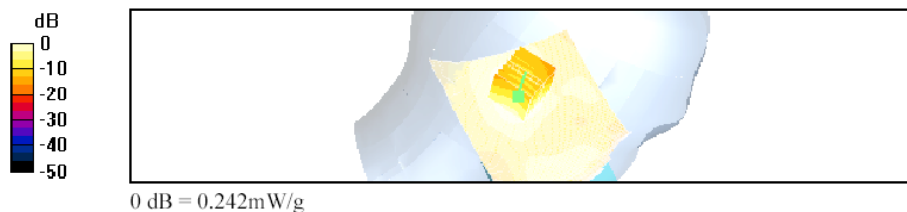
Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.235 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

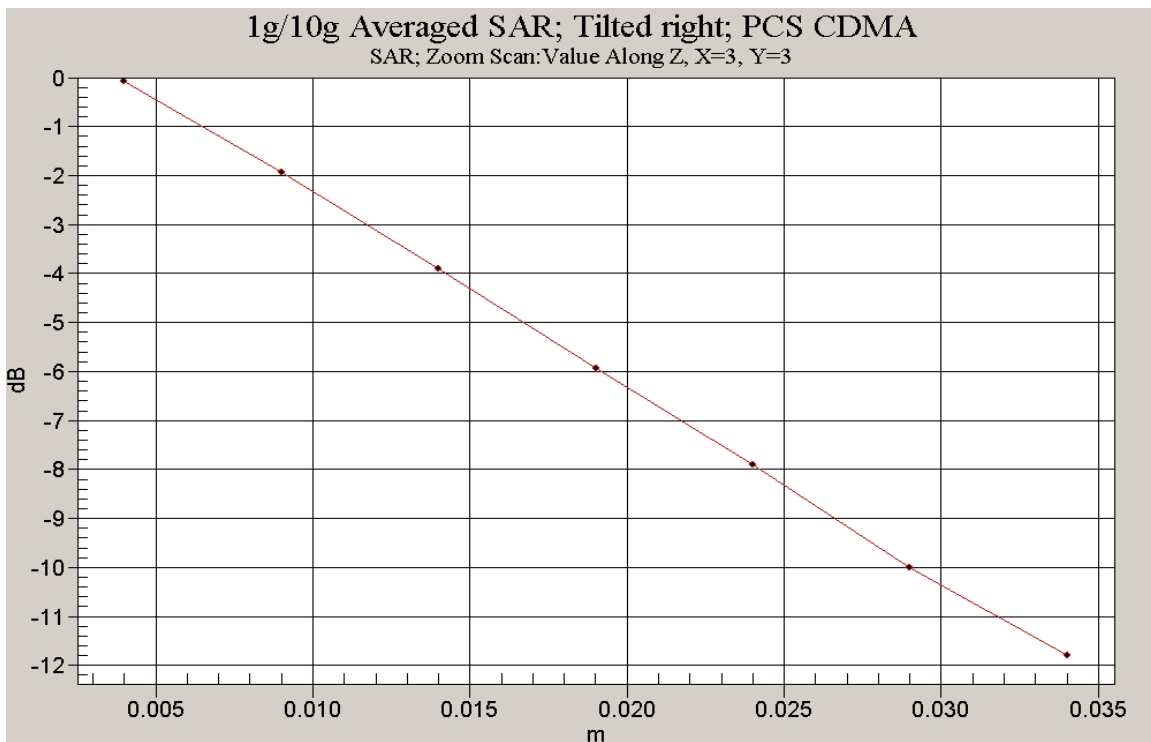
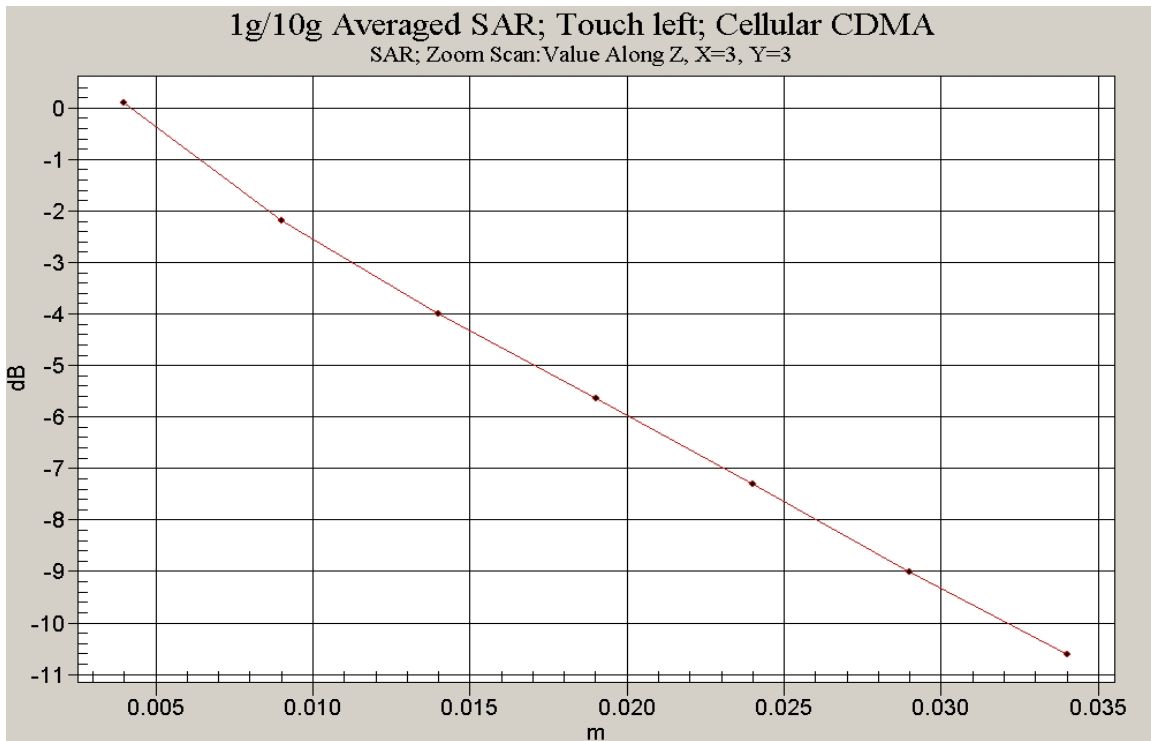
Maximum value of SAR (interpolated) = 0.242 mW/g



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Z-axis plots for worst-case head configuration:



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APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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Date/Time: 11/03/04 16:29:54

Test Laboratory: RIM

**Body-worn with Ruggedized Holster; CDMA cellular band; Mid Chan; Ambient
Temp. 24.6 deg. cel.; Liquid Temp. 22.3 deg. cel**

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: M 835 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.362 mW/g

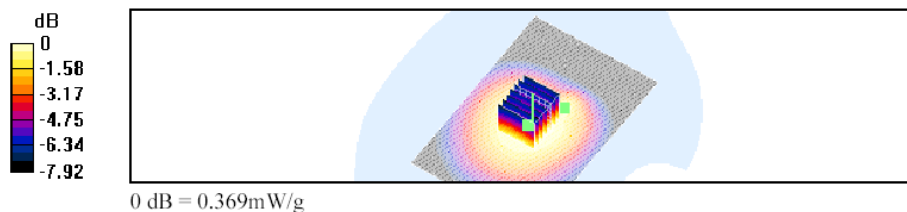
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.369 mW/g



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Date/Time: 10/26/04 10:33:23

Test Laboratory: RIM

Body-worn with Plastic Holster; CDMA cellular band; Mid Chan; Ambient Tem. 24.2 deg. cel.; Liquid Temp. 22.3 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

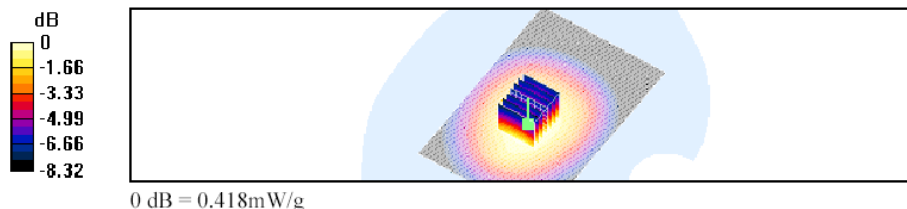
Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: M 835 Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 1.03 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.416 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 20.2 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.515 W/kg
SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.290 mW/g
Maximum value of SAR (measured) = 0.418 mW/g



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Date/Time: 10/26/04 13:45:18

Test Laboratory: RIM

Body-worn with Leather Swivel Holster; CDMA cellular band; Mid Chan; Ambient Temp. 24.5 deg. cel.; Liquid Temp. 22.4 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: M 835 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.371 mW/g

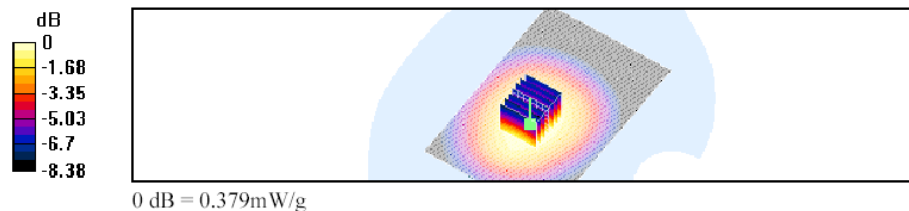
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.379 mW/g



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Date/Time: 11/03/04 14:35:45

Test Laboratory: RIM

Body-worn with Vertical Foam Holster; CDMA cellular band; Mid Chan; Ambient Temp. 24.8 deg. cel.; Liquid Temp. 22.2 deg. cel run 2

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: M 835 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.317 mW/g

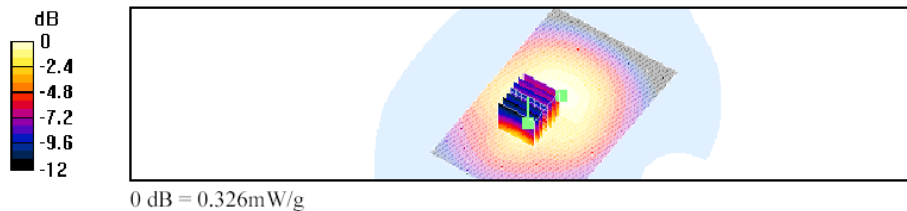
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.326 mW/g



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Date/Time: 11/03/04 15:22:41

Test Laboratory: RIM

Body-worn with Horizontal Foam Holster; CDMA cellular band; Mid Chan; Ambient Temp. 24.5 deg. cel.; Liquid Temp. 22.2 deg. cel run 2

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: M 835 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.514 mW/g

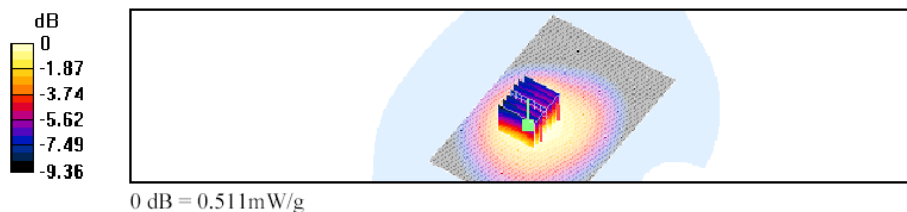
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.511 mW/g



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Date/Time: 11/04/04 08:27:31

Test Laboratory: RIM

Body-worn with Horizontal Foam Holster; CDMA cellular band; BT ON and headset connected; Mid Chan; Ambient Temp. 24.3 deg. cel.; Liquid Temp. 22.6 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: M 835 Medium parameters used: $f = 836.52$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.427 mW/g

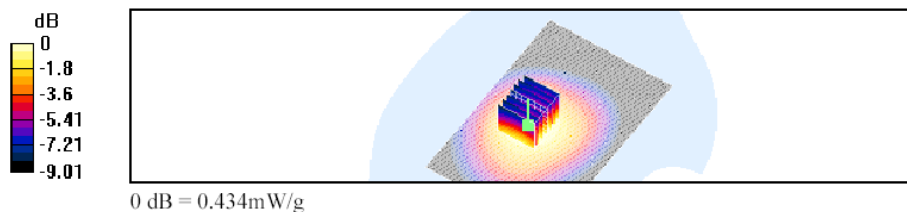
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.434 mW/g



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Date/Time: 10/28/04 08:52:28

Test Laboratory: RIM

Body-worn with 15 mm separation; CDMA cellular band; Low Chan; Ambient Temp. 24.5 deg. cel.; Liquid Temp. 22.2 deg. cel

DUT: BlackBerry Wireless Handheld Model: RAR20CN; Type: Sample

Communication System: Cellular CDMA ; Frequency: 824.52 MHz; Duty Cycle: 1:1
Medium: M 835 Medium parameters used (interpolated): $f = 824.52 \text{ MHz}$; $\sigma = 1.03 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (101x151x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.872 mW/g

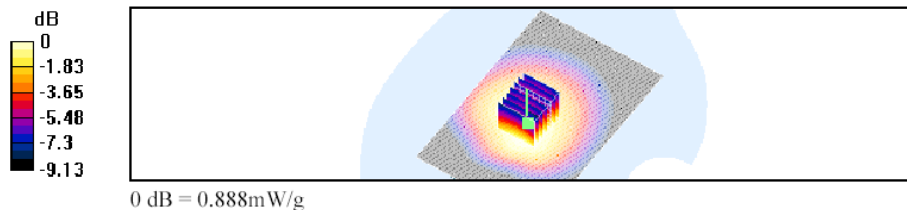
Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.8 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.623 mW/g

Maximum value of SAR (measured) = 0.888 mW/g



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Date/Time: 11/03/04 10:48:21

Test Laboratory: RIM

Body worn with Ruggedized Leather Holster; CDMA 1900; Mid Chan; Ambient temp. 24.8 deg. cel.; Liquid temp. 22.6 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.81 V/m; Power Drift = 0.2 dB

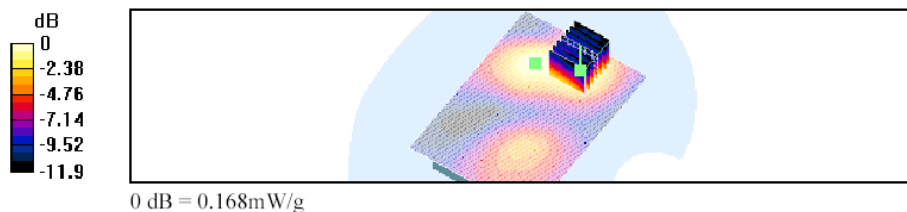
Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.163 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.168 mW/g



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Date/Time: 10/29/04 15:53:12

Test Laboratory: RIM

**Body worn with Plastic Holster; CDMA 1900; Mid Chan; Ambient temp. 24.2 deg. cel;
Liquid temp. 21.6 deg. cel**

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.74 V/m; Power Drift = -0.1 dB

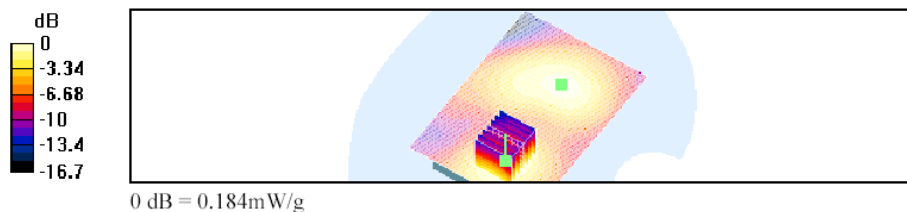
Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.184 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.184 mW/g



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Date/Time: 10/29/04 16:36:27

Test Laboratory: RIM

Body worn with Leather Holster; CDMA 1900; Mid Chan; Ambient temp. 24.1 deg. cel.; Liquid temp. 21.8 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.58 V/m; Power Drift = 0.0 dB

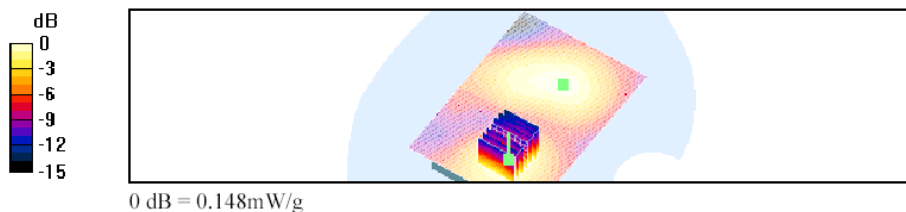
Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.147 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.148 mW/g



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Date/Time: 11/02/04 16:10:16

Test Laboratory: RIM

Body worn with Horizontal Foam Holster; CDMA 1900; Mid Chan; Ambient temp. 24.6 deg. cel.; Liquid temp. 22.4 deg. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.3 V/m; Power Drift = 0.1 dB

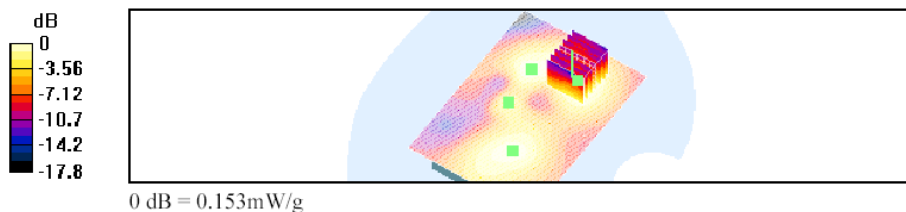
Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.152 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.153 mW/g



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Date/Time: 11/02/04 15:23:04

Test Laboratory: RIM

Body worn with Vertical Foam Holster; CDMA 1900; Mid Chan; Ambient temp. 24.1 deg. cel.; Liquid temp. 22.5 deg run 2. cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.0 dB

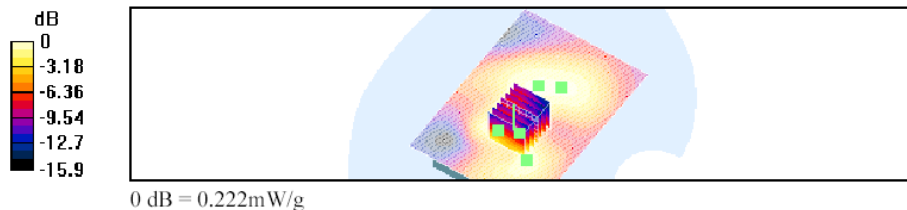
Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.214 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.222 mW/g



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Date/Time: 11/03/04 11:27:15

Test Laboratory: RIM

Body worn with Vertical Foam Holster; CDMA 1900; Mid Chan; BT ON with headset connected; Ambient temp. 24.3 deg. cel.; Liquid temp. 22.2 deg . cel

DUT: BlackBerry Wireless Handheld; Type: Sample

Communication System: PCS CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: M1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.67, 4.67, 4.67); Calibrated: 31/08/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 27/08/2004
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.61 V/m; Power Drift = -0.1 dB

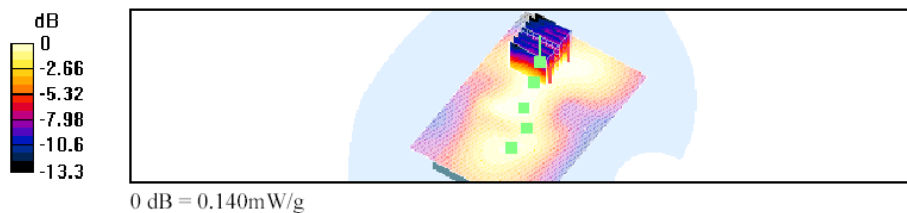
Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.138 mW/g

Unnamed procedure/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.140 mW/g



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Z-axis plots for worst-case body worn configuration:

