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APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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Date/Time: 04/05/2009 4:42:41 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS850 low chan amb temp 23.3C liq temp 22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.871 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

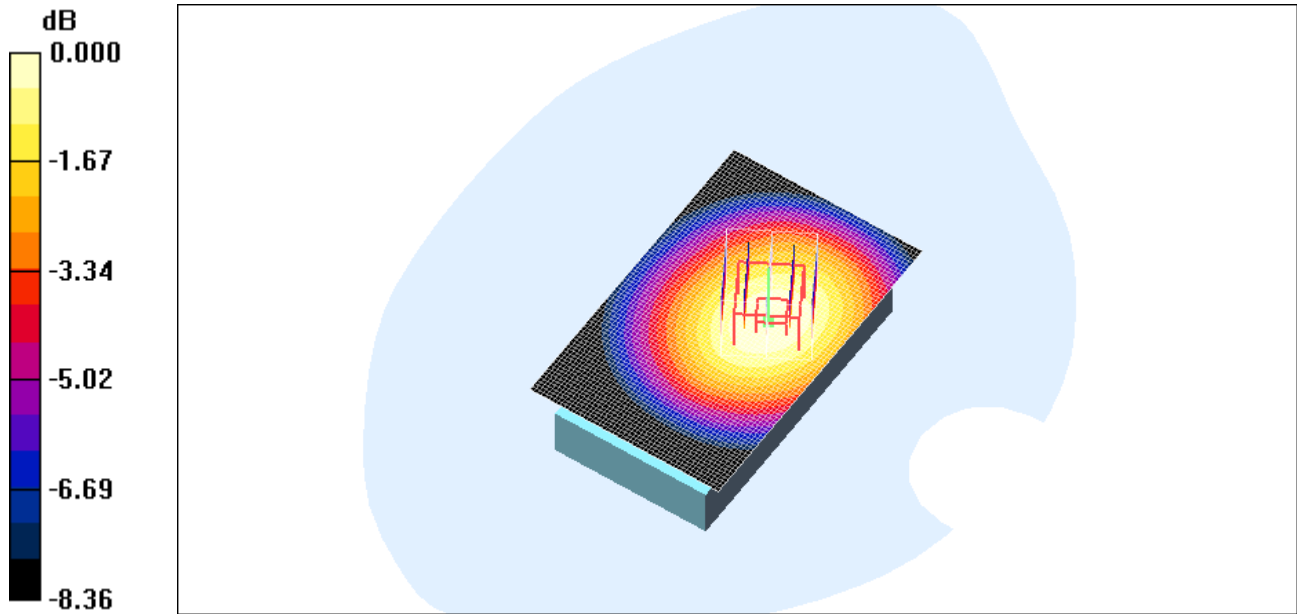
Reference Value = 6.09 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.612 mW/g

Maximum value of SAR (measured) = 0.883 mW/g

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0 dB = 0.883mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS850 mid chan amb temp 22.8C liq temp 22.2C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2
Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.779 mW/g

Body - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.72 V/m; Power Drift = 0.101 dB

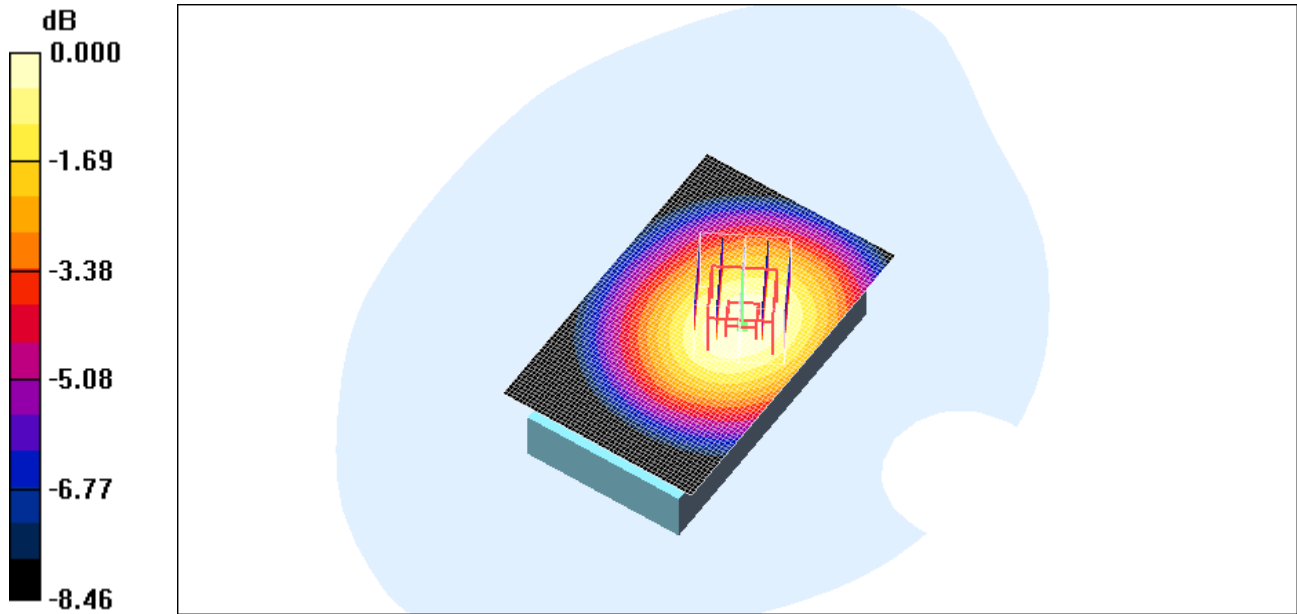
Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.546 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.789 mW/g

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0 dB = 0.789mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS850 high chan amb temp 22.8C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.2
Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.893 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.694 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.65 V/m; Power Drift = -0.125 dB

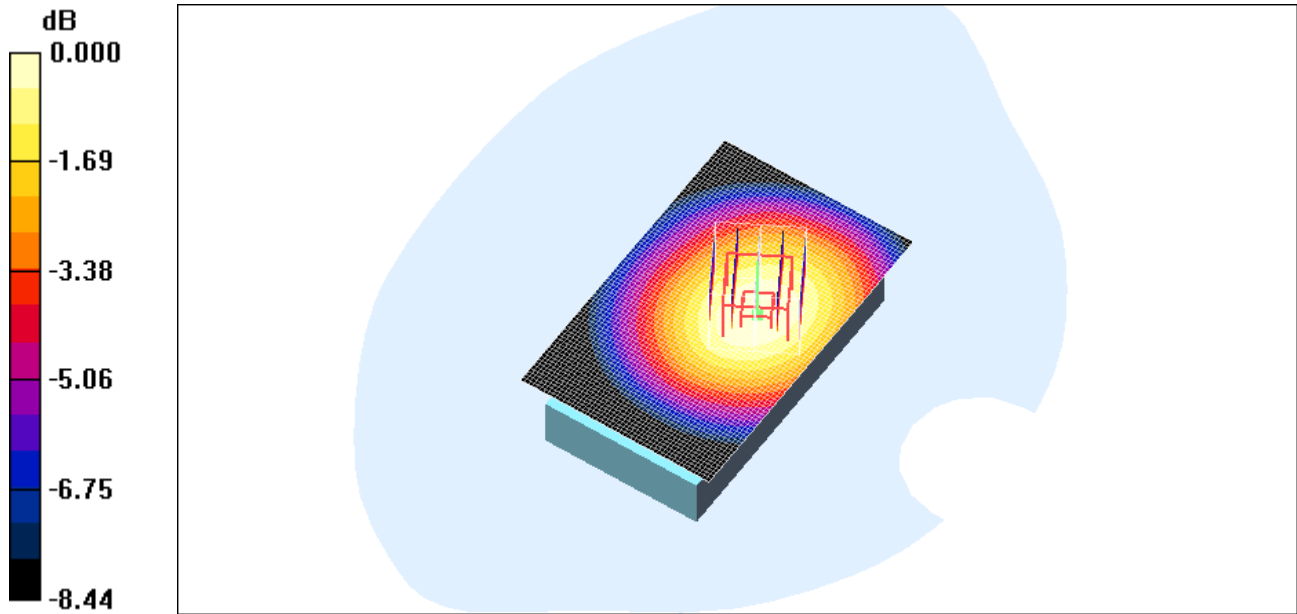
Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.483 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.700 mW/g

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0 dB = 0.700mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Front GPRS850 low chan amb temp 22.8C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.662 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

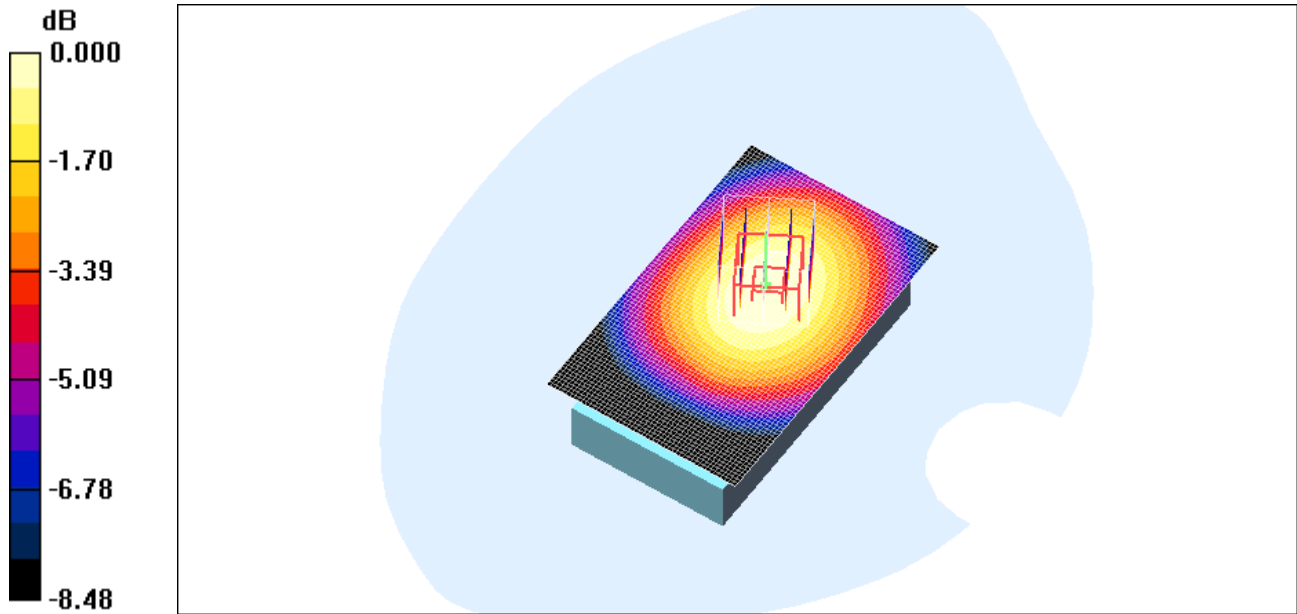
Reference Value = 4.96 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.770 W/kg

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (measured) = 0.651 mW/g

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0 dB = 0.651mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 1 GPRS850 low chan amb temp 22.7C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.770 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

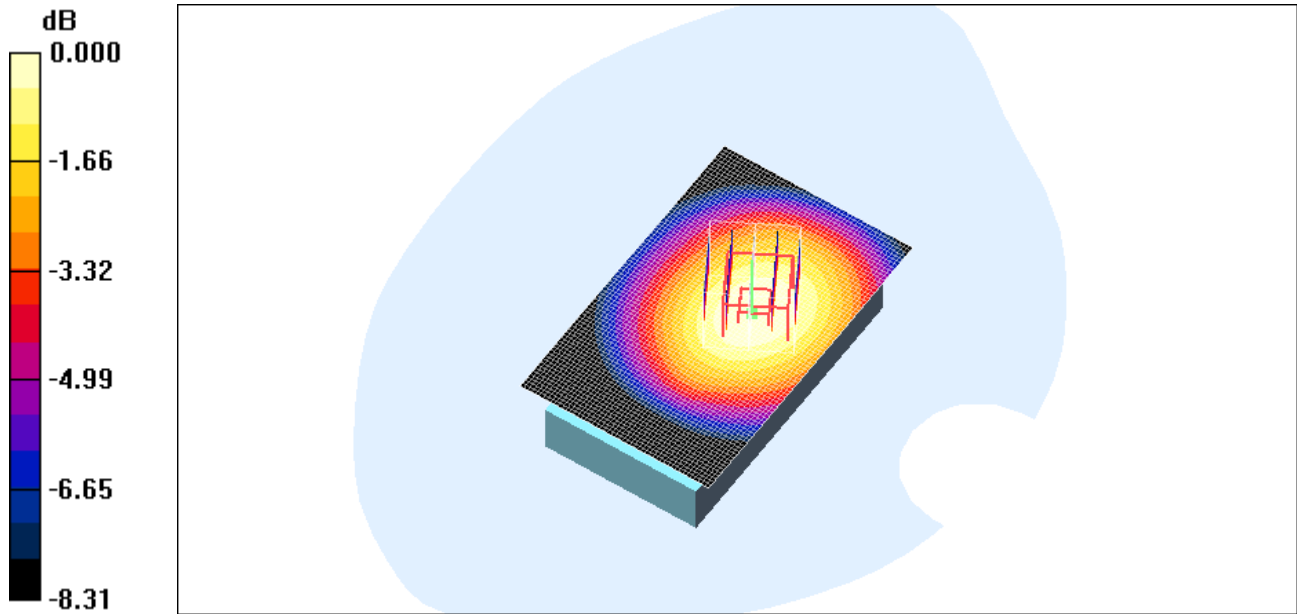
Reference Value = 5.23 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.928 W/kg

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 0.770 mW/g

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0 dB = 0.770mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 2 GPRS850 low chan amb temp 22.7C liq temp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.504 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

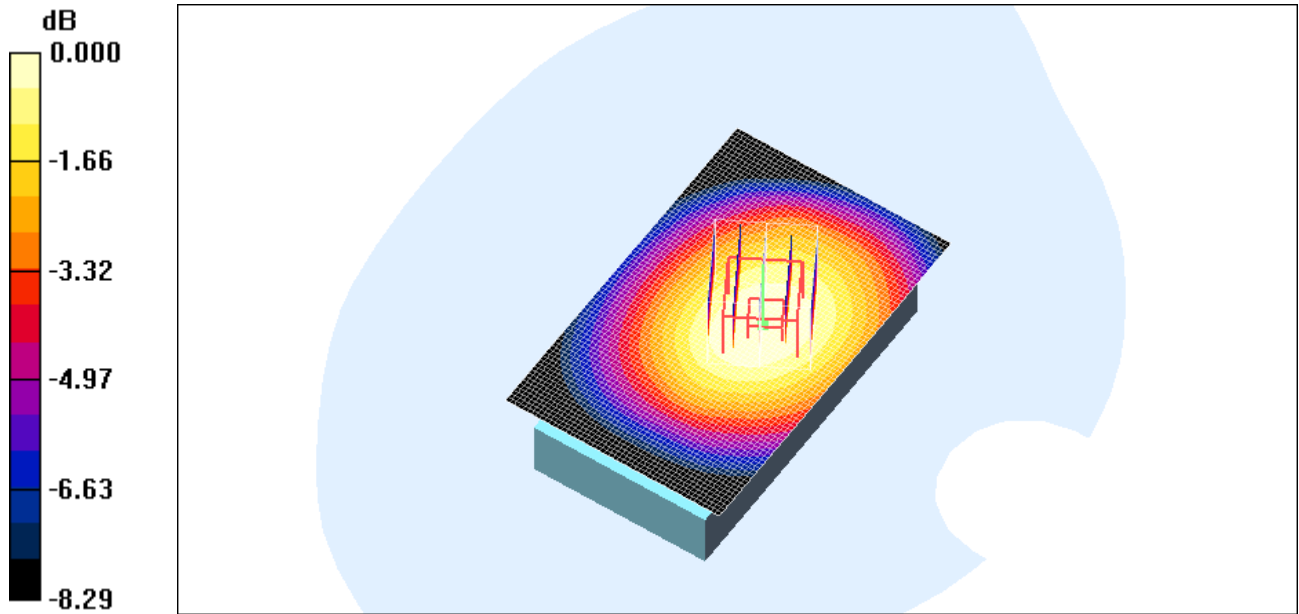
Reference Value = 7.12 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (measured) = 0.499 mW/g

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0 dB = 0.499mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 3 GPRS850 low chan amb temp 22.6C liq temp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.563 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

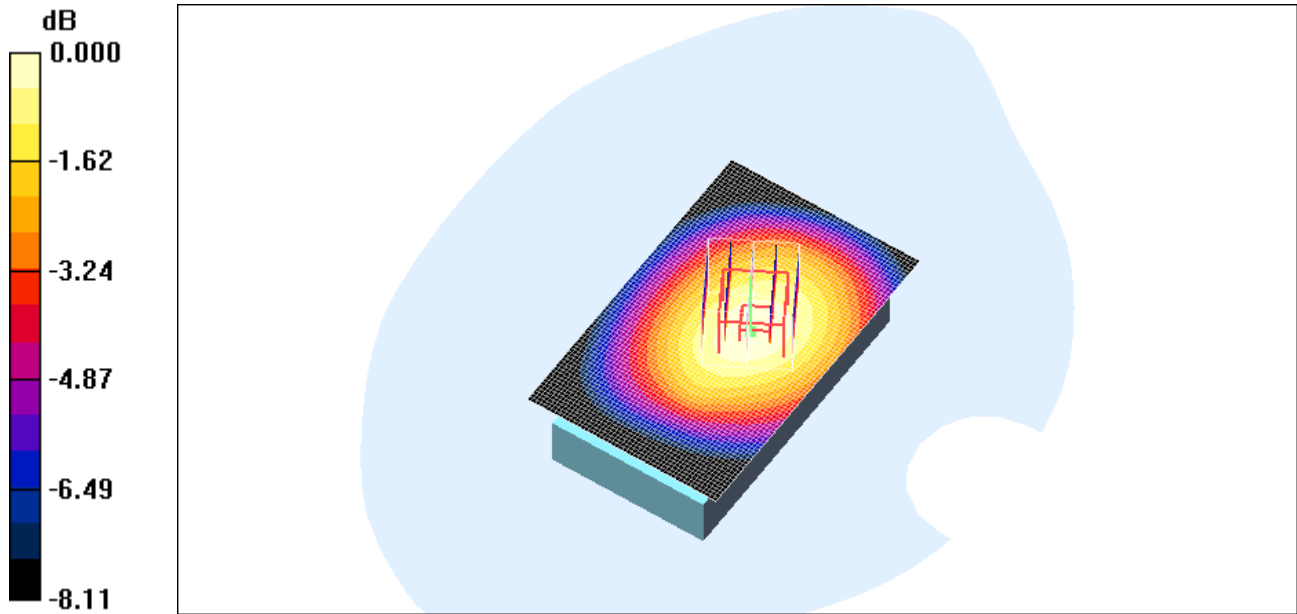
Reference Value = 7.50 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.580 mW/g

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0 dB = 0.580mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 2 Back GPRS850 low chan amb temp 22.7C liq temp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.748 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

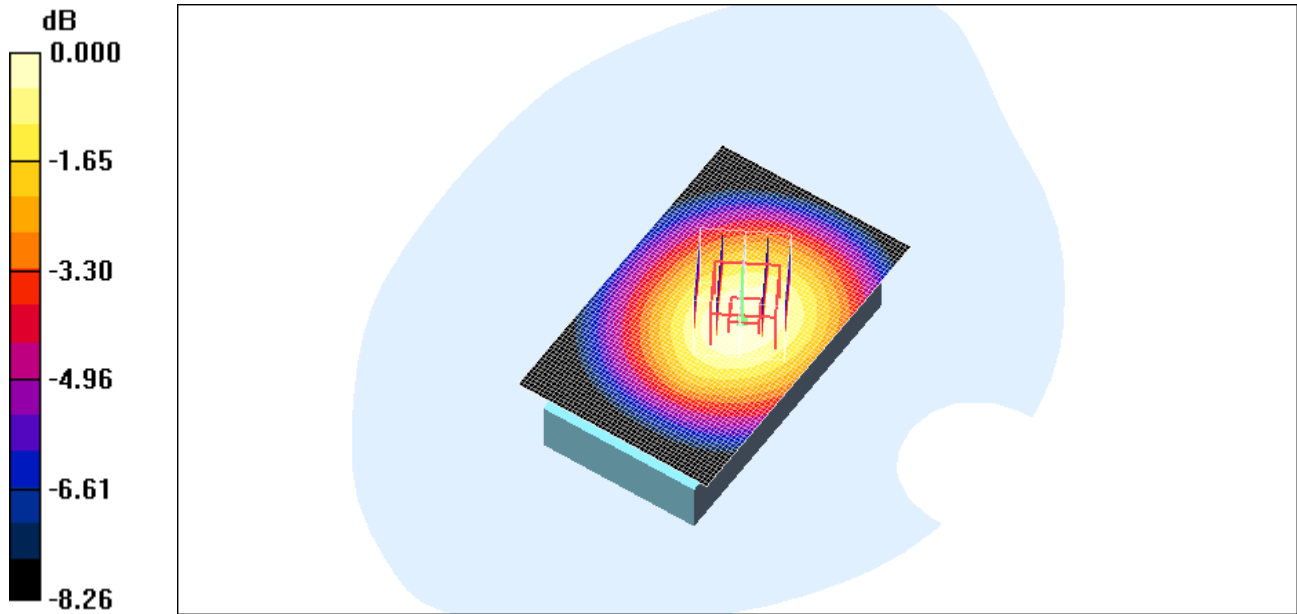
Reference Value = 6.56 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.890 W/kg

SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 0.743 mW/g

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0 dB = 0.743mW/g

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Date/Time: 04/05/2009 7:05:20 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS850 low chan amb temp 22.8C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.708 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

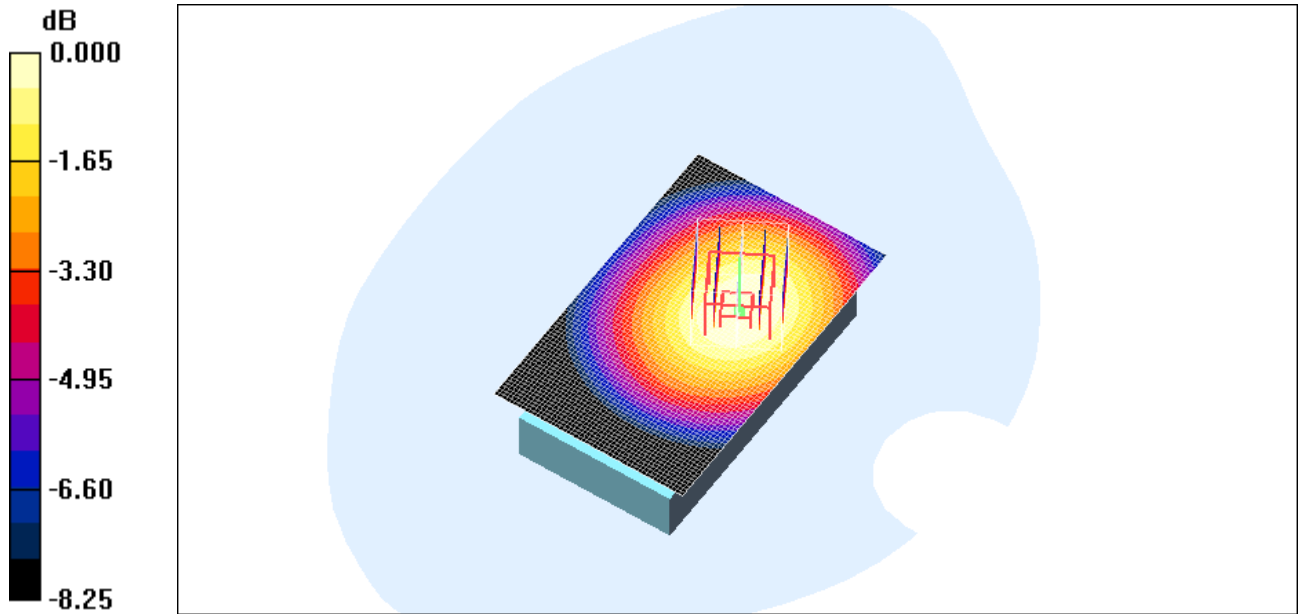
Reference Value = 5.43 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 0.867 W/kg

SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 0.714 mW/g

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0 dB = 0.714mW/g

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Date/Time: 04/05/2009 7:21:27 PM

Test Laboratory: RTS

File Name:

[25mm Spacer Back GPRS850 low chan amb temp 22.7C liq temp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.534 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

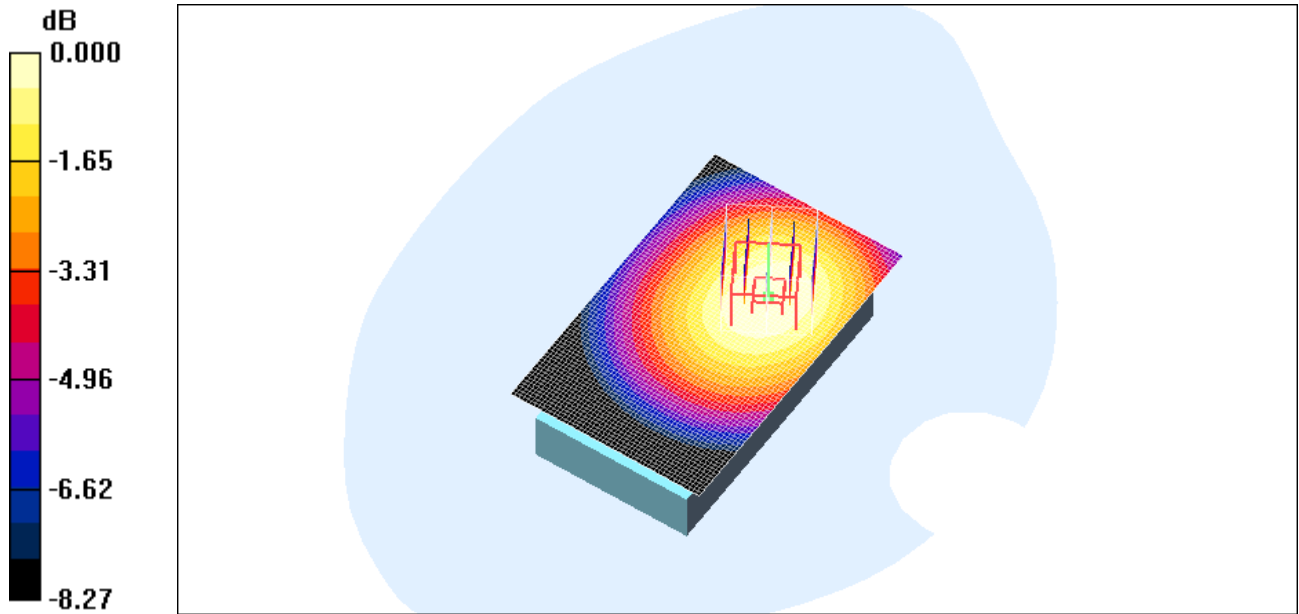
Reference Value = 5.12 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.648 W/kg

SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.376 mW/g

Maximum value of SAR (measured) = 0.534 mW/g

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0 dB = 0.534mW/g

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Date/Time: 06/05/2009 5:15:53 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS1900 low chan amb temp 22.0C liq temp 21.8C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2
Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.382 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.03 V/m; Power Drift = 0.017 dB

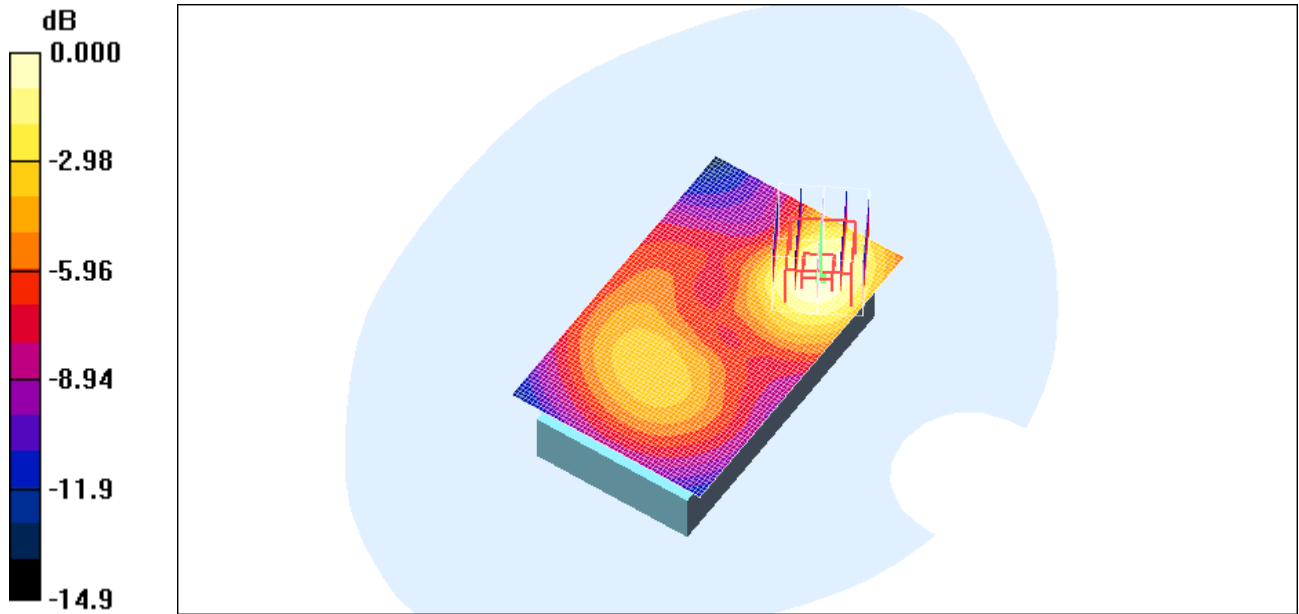
Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.208 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.382 mW/g

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0 dB = 0.382mW/g

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Date/Time: 06/05/2009 5:30:51 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS1900 mid chan amb temp 23.2C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.430 mW/g

Body - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

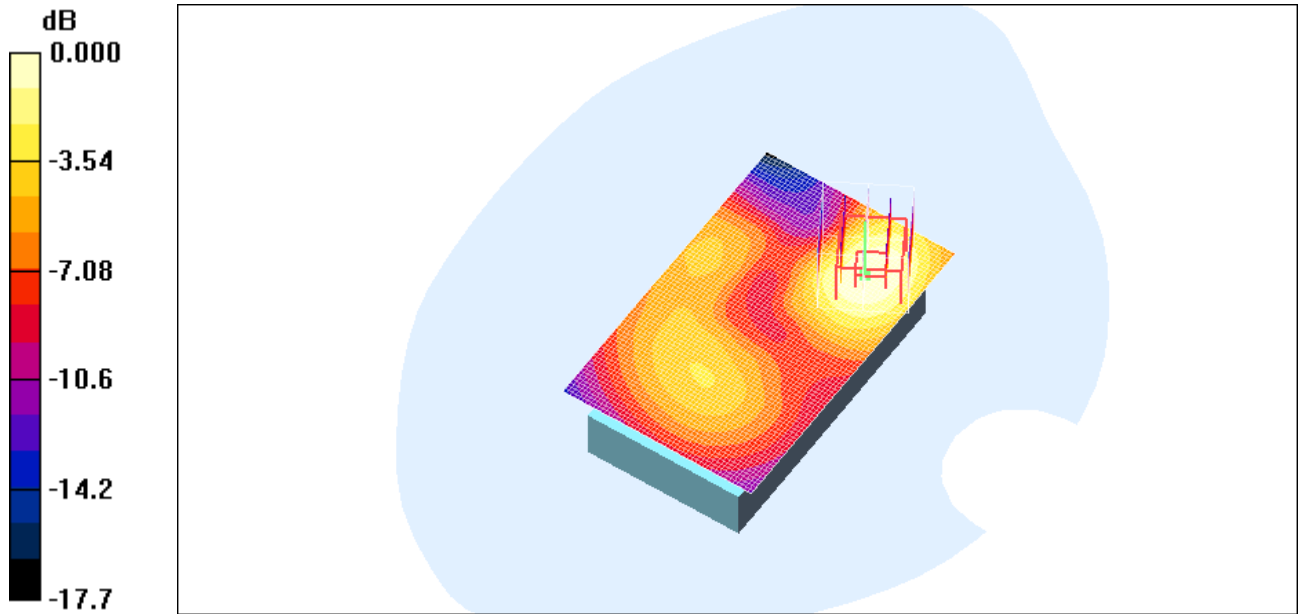
Reference Value = 6.73 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.228 mW/g

Maximum value of SAR (measured) = 0.422 mW/g

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0 dB = 0.422mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back GPRS1900 high chan amb temp 23.0C liq temp 22.0C.da](#)
[4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

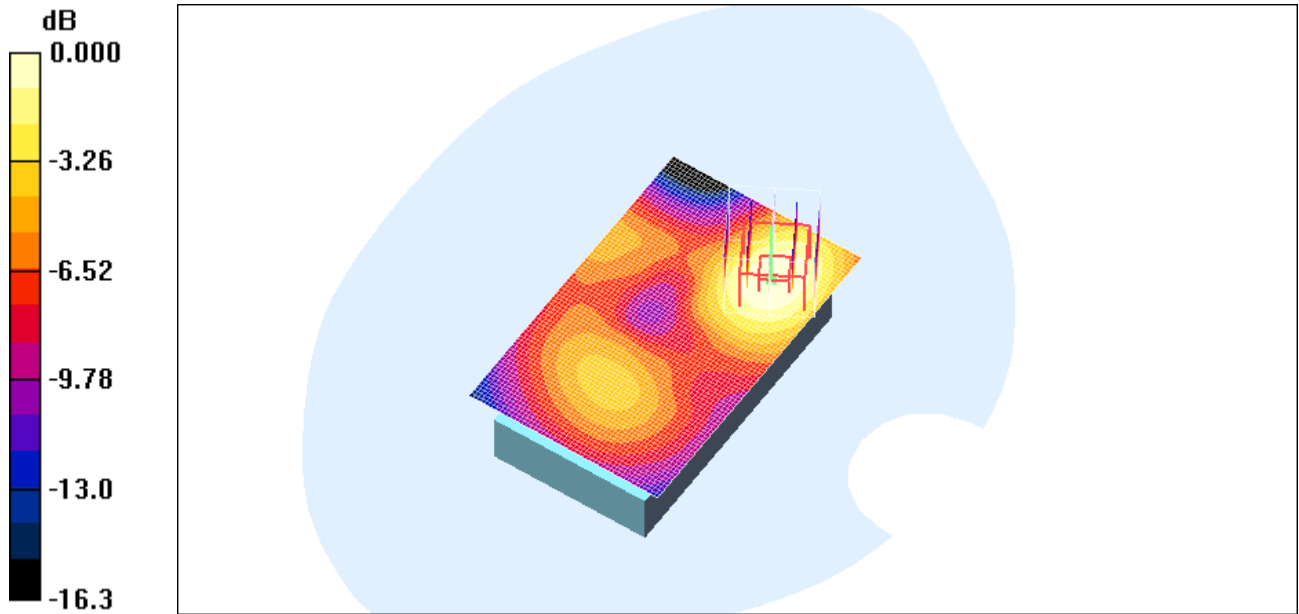
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.464 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.89 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.455 mW/g

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0 dB = 0.455mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Front GPRS1900 high chan amb temp 22.9C liq temp 22.0C.da](#)
[4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

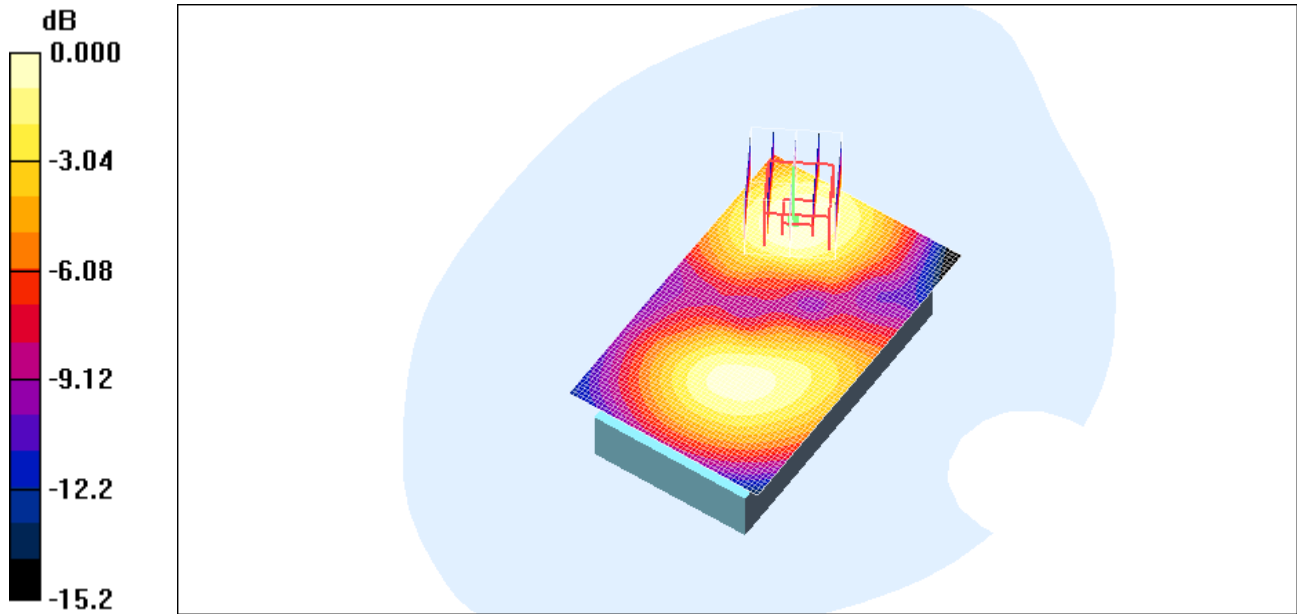
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.223 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.37 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.124 mW/g
Maximum value of SAR (measured) = 0.222 mW/g

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0 dB = 0.222mW/g

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Date/Time: 06/05/2009 7:07:01 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 1 GPRS1900 high chan amb temp 23.3C liq temp 22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

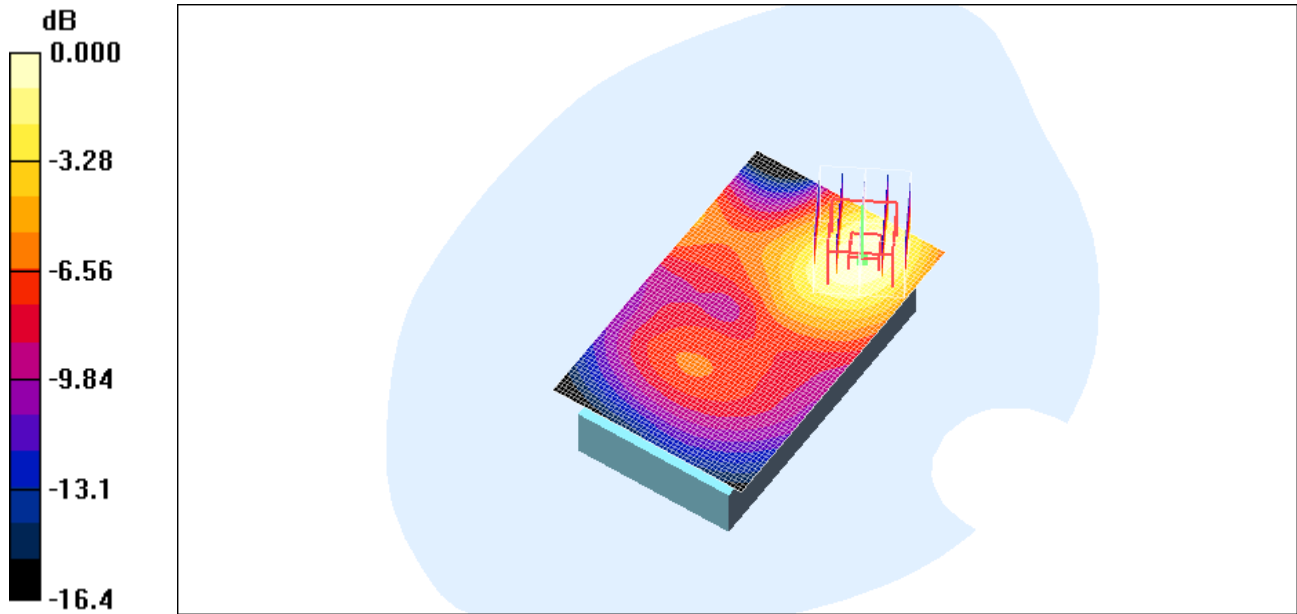
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.433 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.55 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.435 mW/g

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0 dB = 0.435mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 2 GPRS1900 high chan amb temp 23.3C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

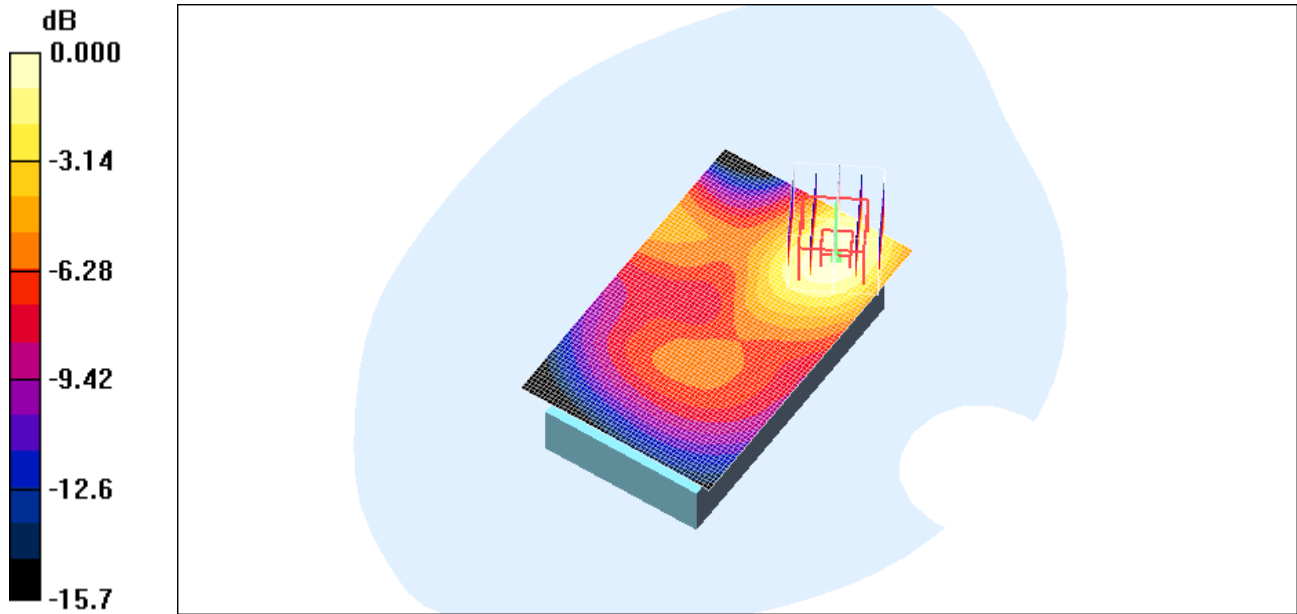
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.396 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.98 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.391 mW/g

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0 dB = 0.391mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 3 GPRS1900 high chan amb temp 23.0C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

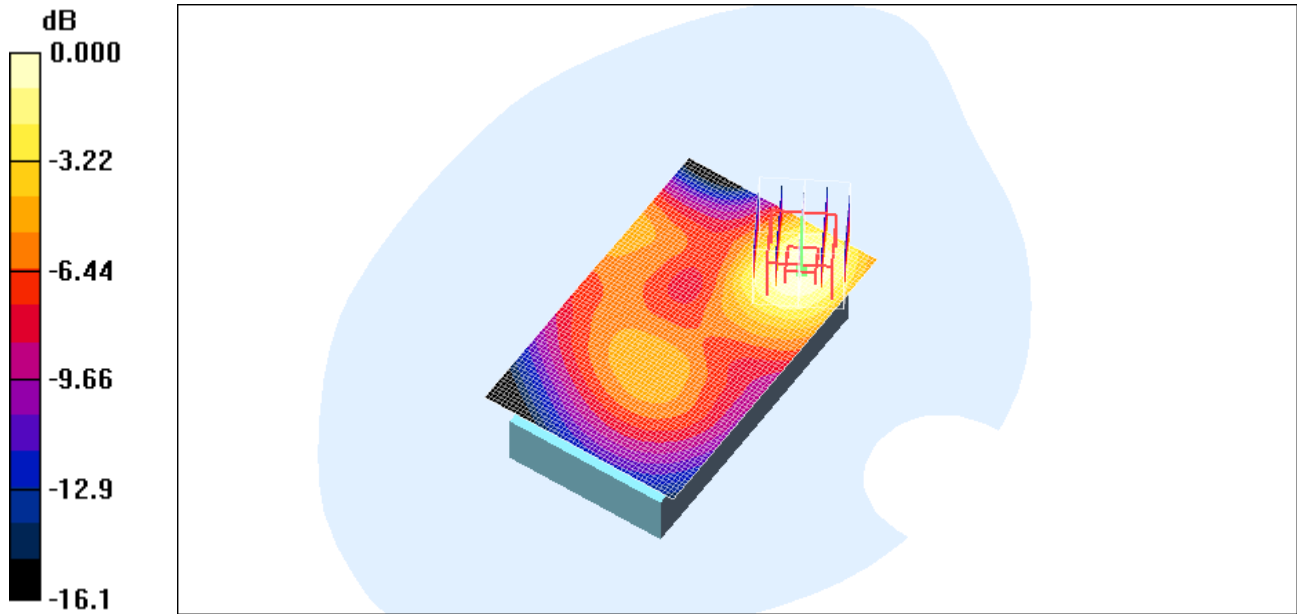
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.397 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.41 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.560 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.398 mW/g

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0 dB = 0.398mW/g

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Date/Time: 06/05/2009 6:38:41 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 2 Back GPRS1900 high chan amb temp 23.3C liq temp 22.3C.da](#)
[4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

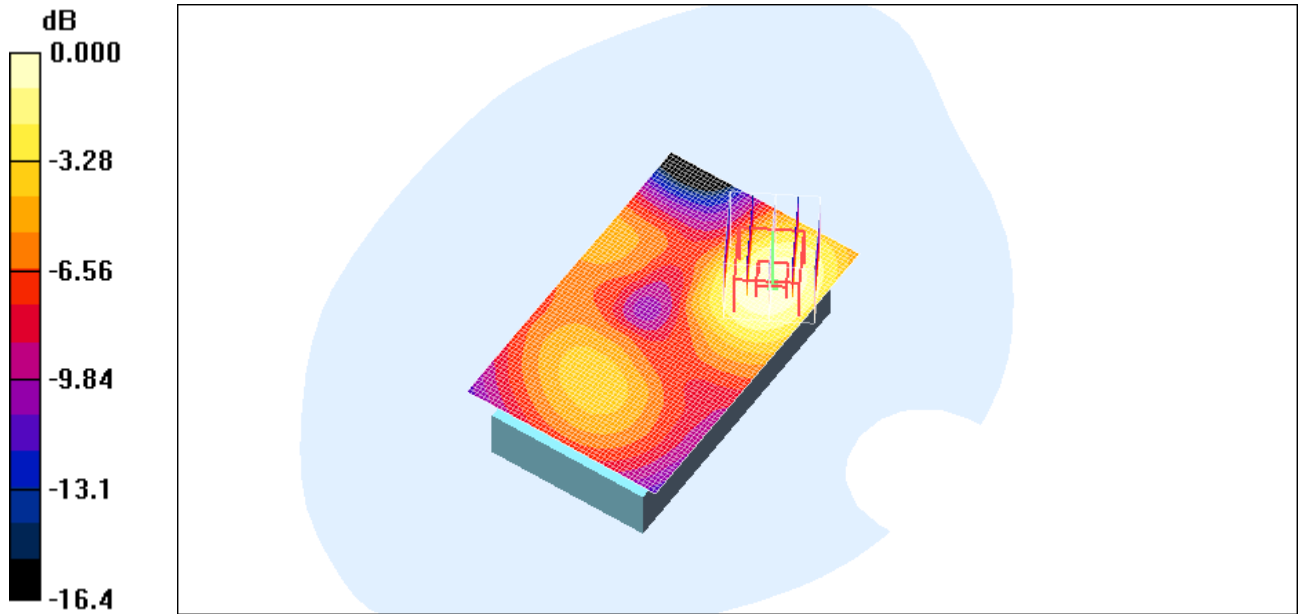
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.264 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.63 V/m; Power Drift = -0.078 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.271 mW/g

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0 dB = 0.271mW/g

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Date/Time: 06/05/2009 6:52:35 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS1900 high chan amb temp 23.1C liq temp 22.2C.da](#)
[4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

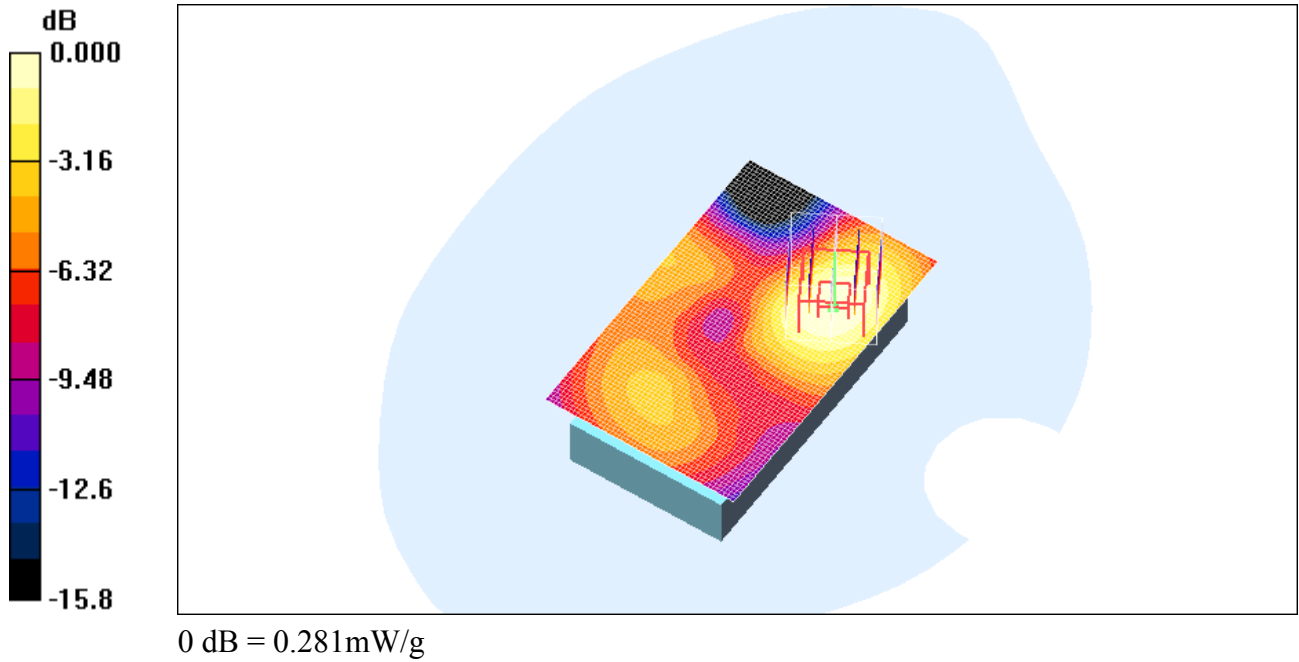
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.284 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.83 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 0.400 W/kg
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 0.281 mW/g

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Date/Time: 06/05/2009 7:48:12 PM

Test Laboratory: RTS

File Name: [25mm_Back_GPRS1900_high_chan_amb_temp_22.8C_liq_temp_22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A

Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

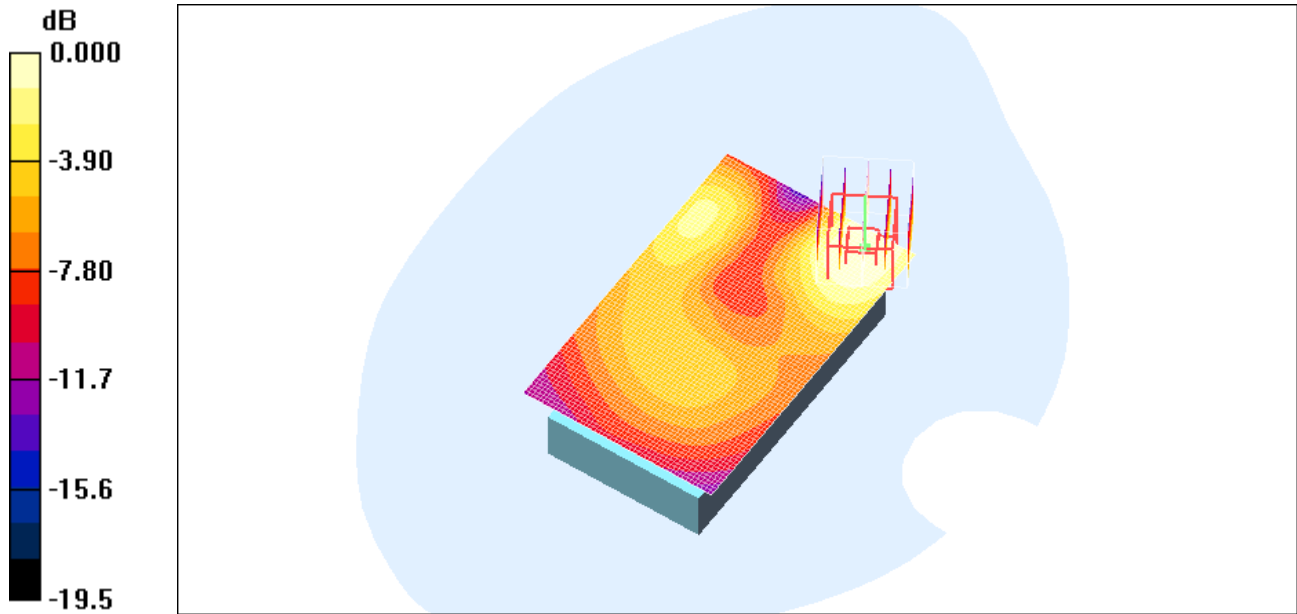
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.247 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.21 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.226 mW/g

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0 dB = 0.226mW/g

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Date/Time: 07/04/2009 11:04:51 PM

Test Laboratory: RTS

File Name:

[Vertical Holster Back BT mid chan amb temp 23.9C liq temp 23.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/01/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.014 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.07 V/m; Power Drift = 0.745 dB

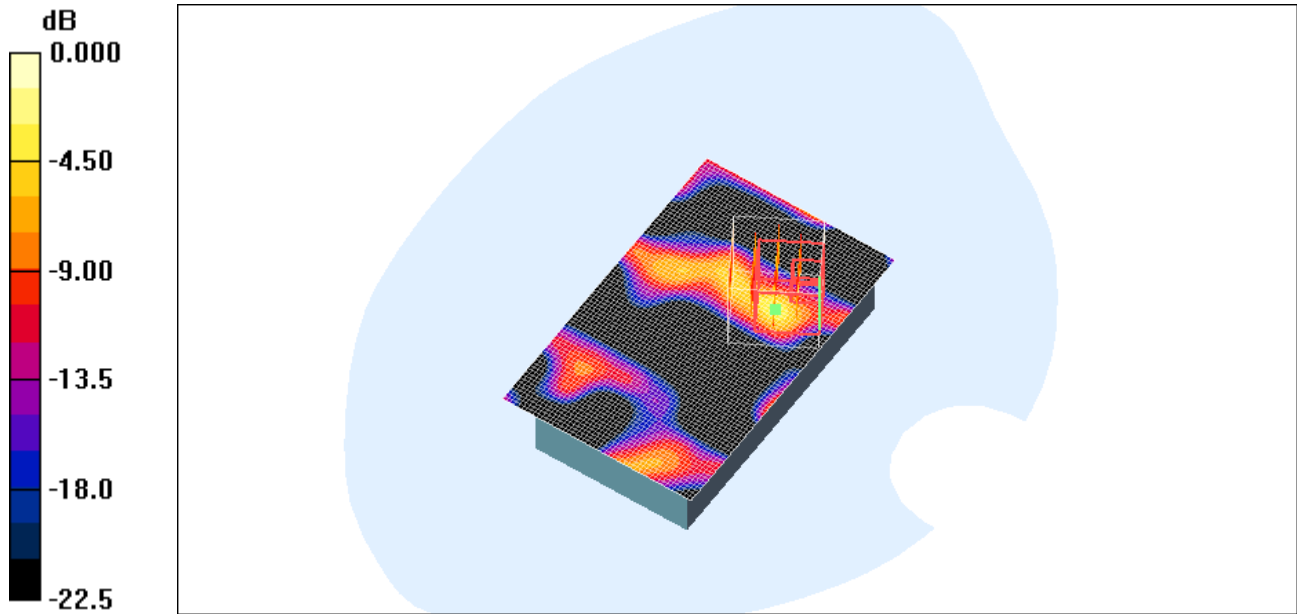
Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.000813 mW/g; SAR(10 g) = 0.000132 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.026 mW/g

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0 dB = 0.026mW/g

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Date/Time: 07/04/2009 10:44:02 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back BT mid chan amb temp 23.7C liq temp 22.9C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/01/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.011 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.06 V/m; Power Drift = 1.13 dB

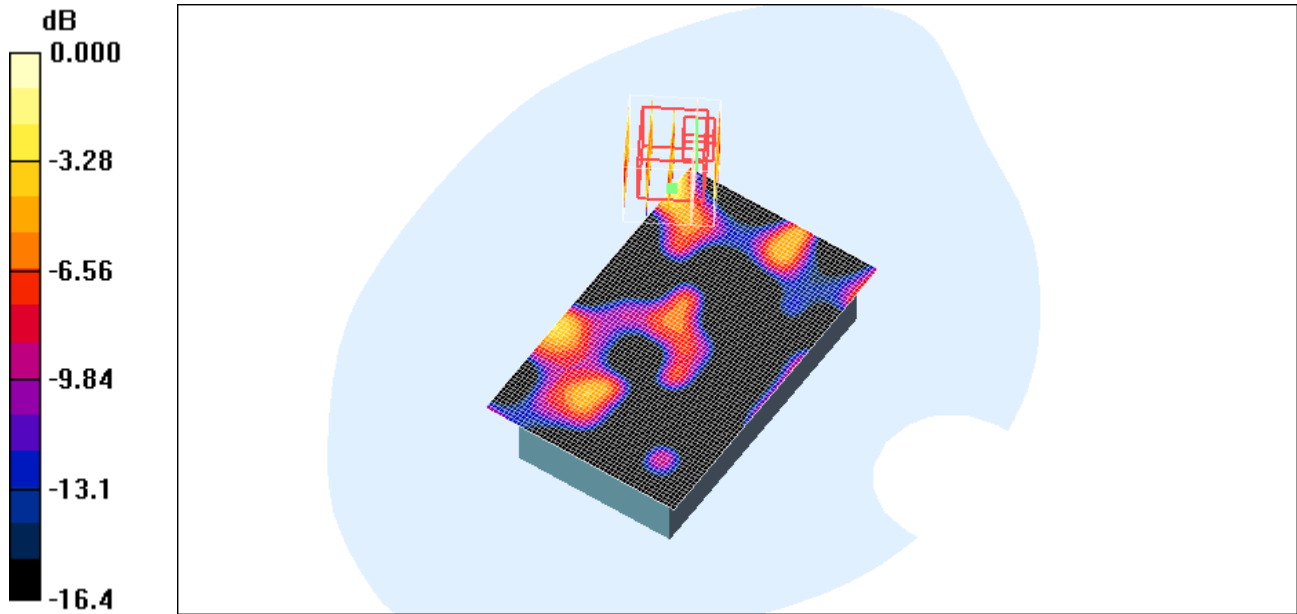
Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.000822 mW/g; SAR(10 g) = 0.000149 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.013 mW/g

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0 dB = 0.013mW/g

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Date/Time: 02/04/2009 9:09:59 PM

Test Laboratory: RTS

File Name:

[Vertical Holster Back 802.11b low chan amb temp 23.1C liq temp 22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.099 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.95 V/m; Power Drift = -0.163 dB

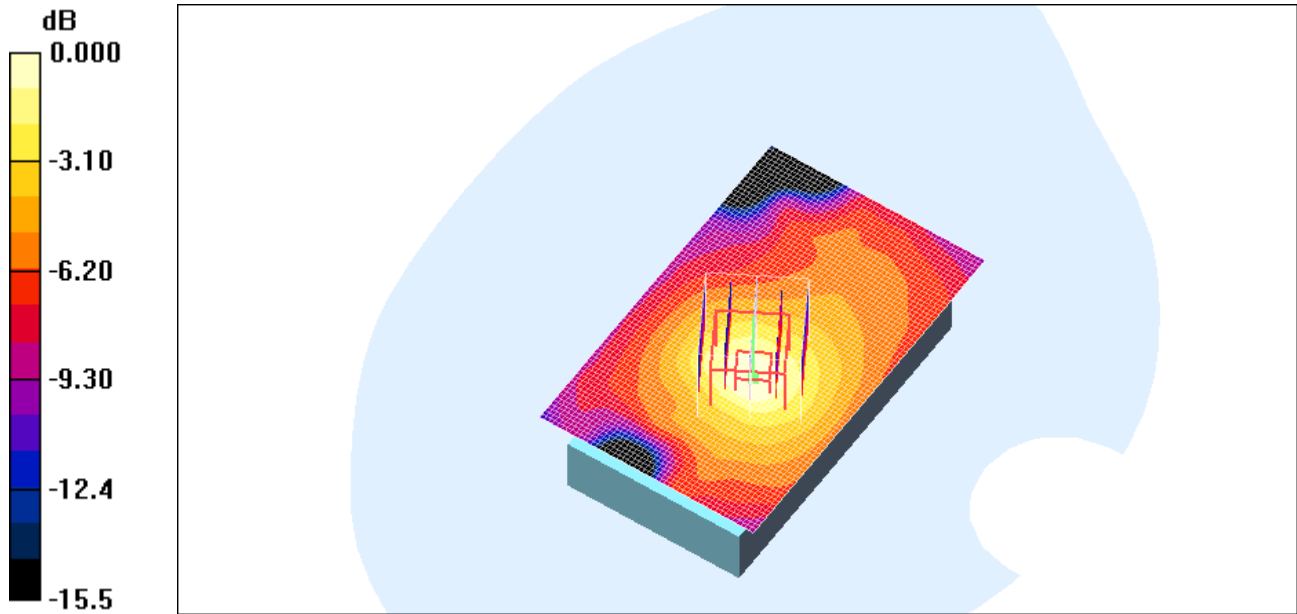
Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.038 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.095 mW/g

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		FCC ID: L6ARCG40GW



0 dB = 0.095mW/g

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Date/Time: 02/04/2009 9:26:03 PM

Test Laboratory: RTS

File Name:

[Vertical Holster Front 802.11b low chan amb temp 23.2C liq temp 22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.019 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.05 V/m; Power Drift = 0.308 dB

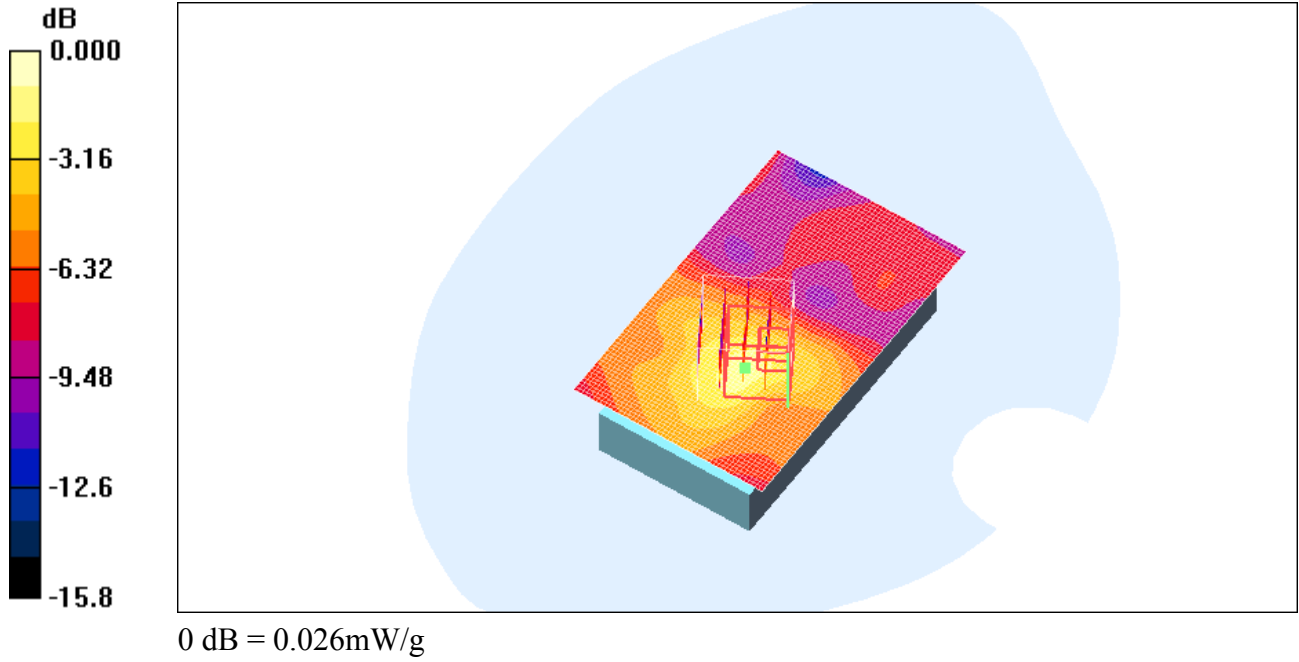
Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.000344 mW/g; SAR(10 g) = 7.45e-005 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.026 mW/g

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		FCC ID: L6ARCG40GW



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Date/Time: 02/04/2009 7:55:50 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back 802.11b low chan amb temp 23.3C liq temp 22.8C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.131 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.35 V/m; Power Drift = -0.111 dB

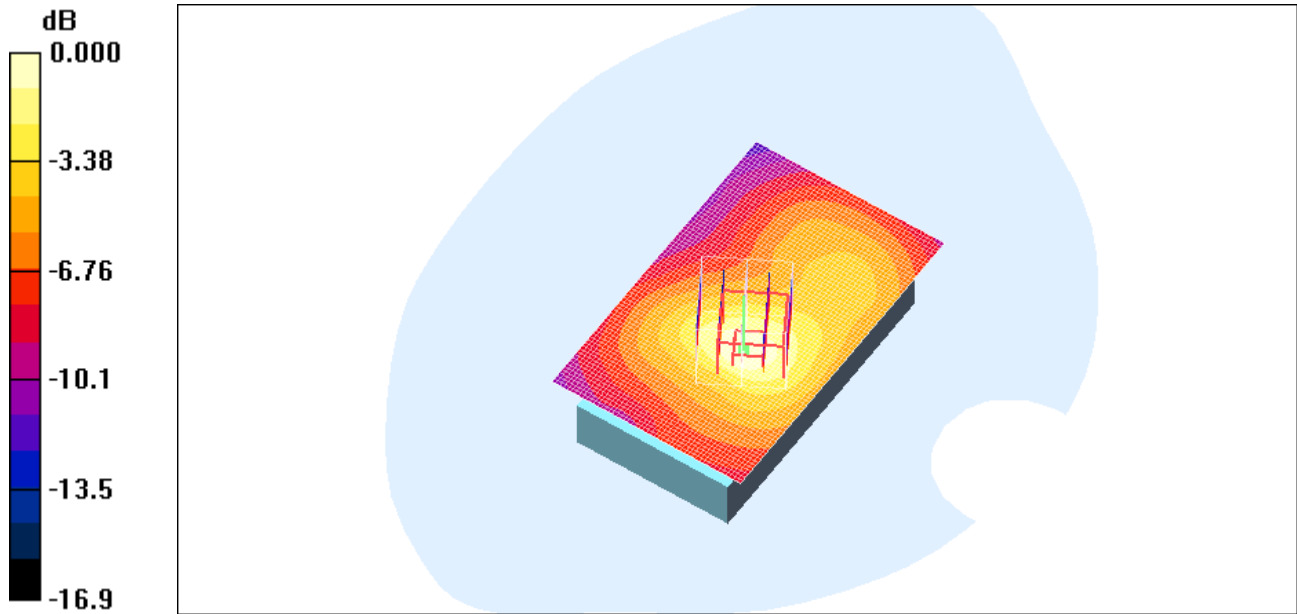
Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.059 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.124 mW/g

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0 dB = 0.124mW/g

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Test Laboratory: RTS

File Name:

[Horizontal Holster Back 802.11b mid chan amb temp 23.3C liq temp 22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.068 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.69 V/m; Power Drift = -0.118 dB

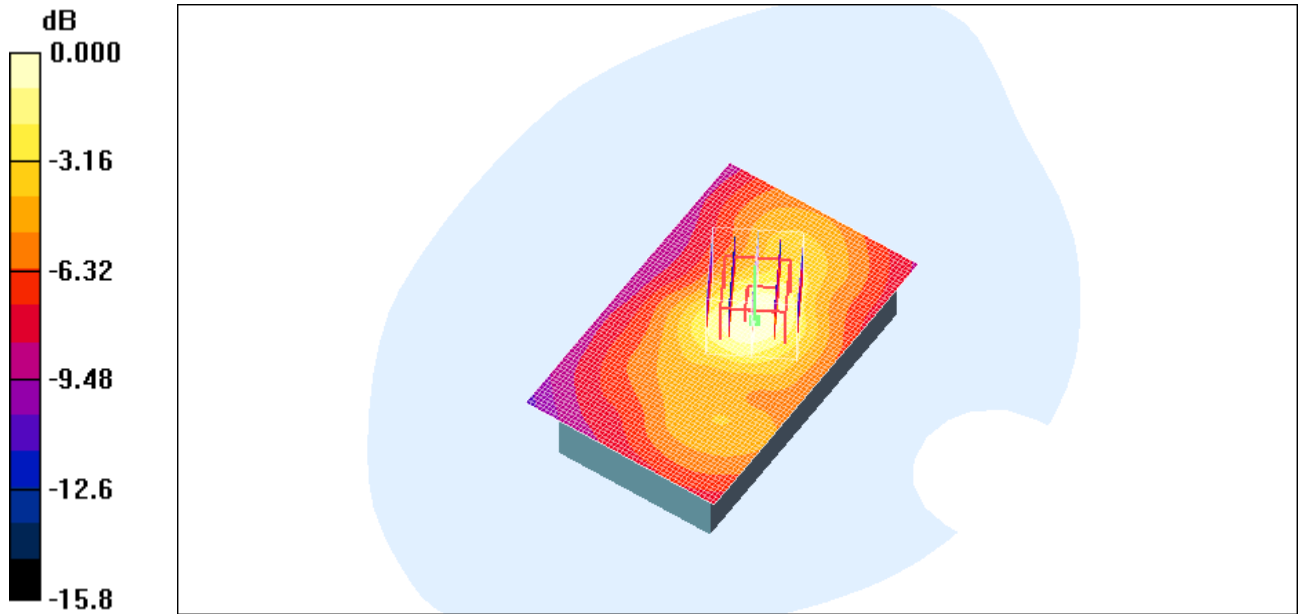
Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.028 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.064 mW/g

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0 dB = 0.064mW/g

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Date/Time: 02/04/2009 8:27:17 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back 802.11b high chan amb temp 23.3C liq temp 22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.104 mW/g

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.43 V/m; Power Drift = -0.118 dB

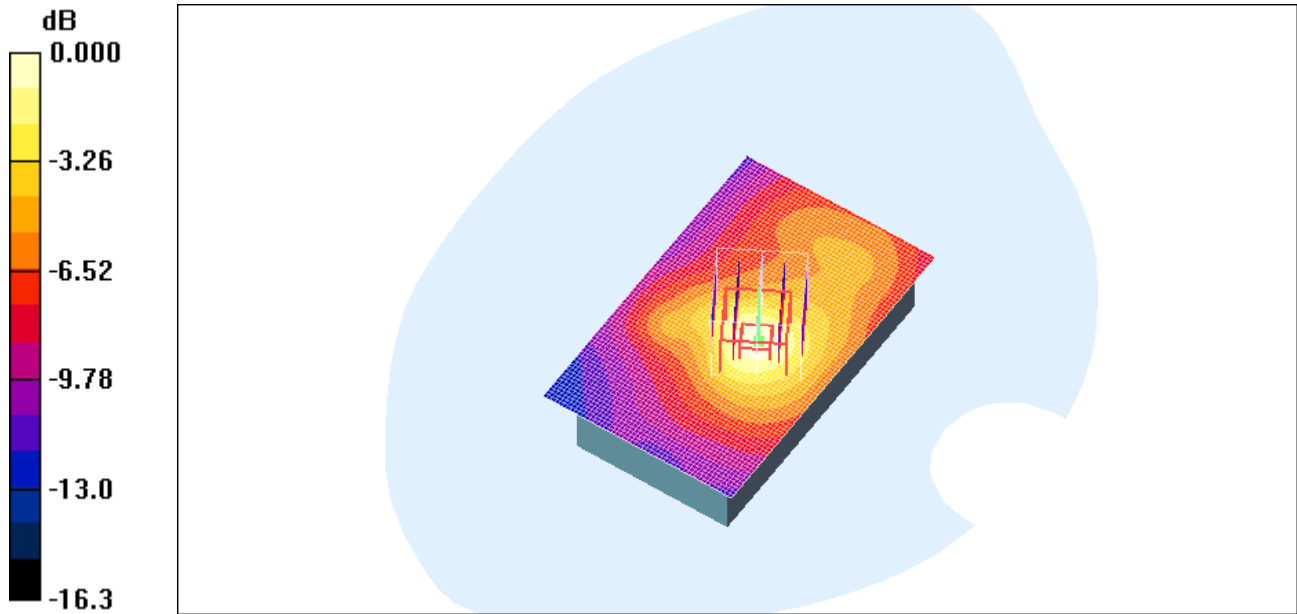
Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.042 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.106 mW/g

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0 dB = 0.106mW/g

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Date/Time: 02/04/2009 8:42:05 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Front 802.11b low chan amb temp 23.3C liq temp 22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.014 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.57 V/m; Power Drift = -0.099 dB

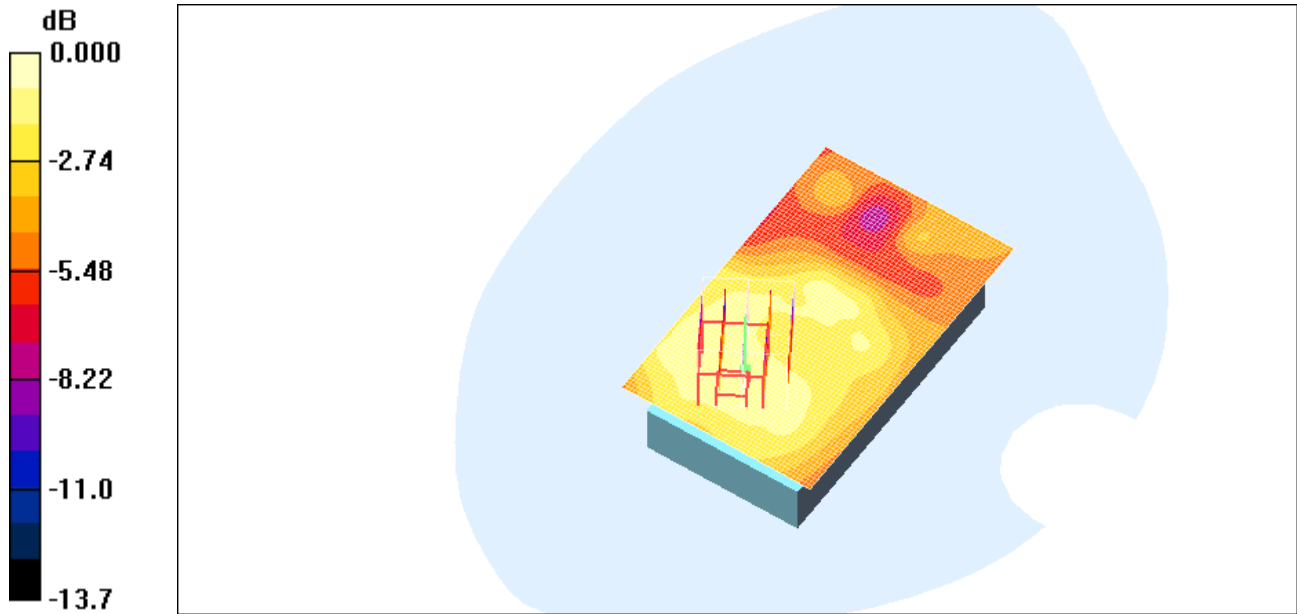
Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.0031 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.017 mW/g

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0 dB = 0.017mW/g

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Date/Time: 02/04/2009 8:55:41 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back Headset 802.11b low chan amb temp 23.4C liq temp 22.9C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412 \text{ MHz}$; $\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.087 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.69 V/m; Power Drift = -0.126 dB

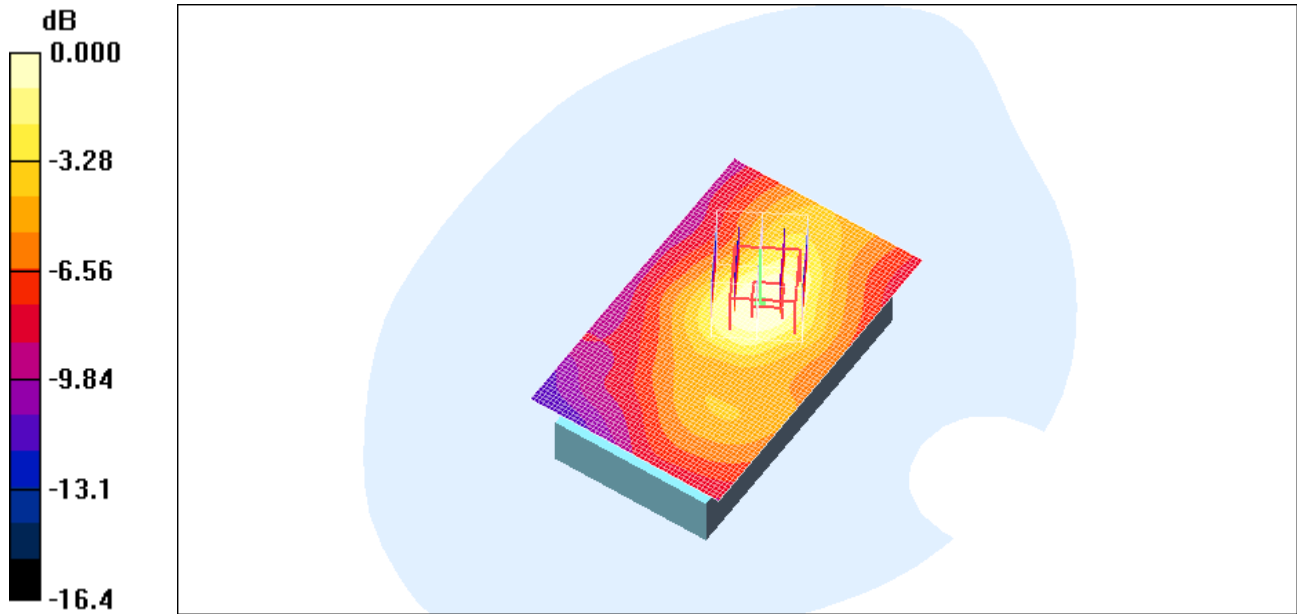
Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.042 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.081 mW/g

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0 dB = 0.081mW/g

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Date/Time: 02/04/2009 9:39:27 PM

Test Laboratory: RTS

File Name:

[25mm Spacer Back 802.11b low chan amb temp 23.3C liq temp 22.8C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20EB5E6A
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.060 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.79 V/m; Power Drift = 0.052 dB

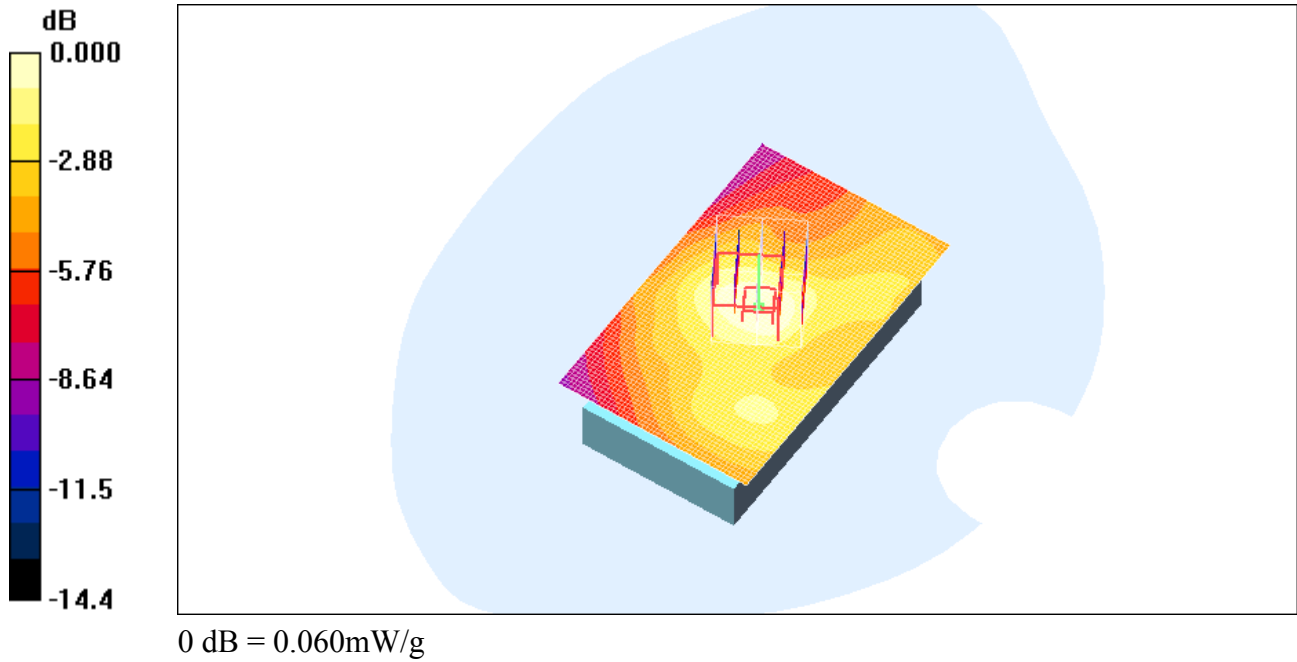
Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.029 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.060 mW/g

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Date/Time: 20/05/2009 9:35:58 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back 802.11b Rev 3 low chan amb temp 22.2C liq temp 21.6 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.367 mW/g

Body - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.210 dB

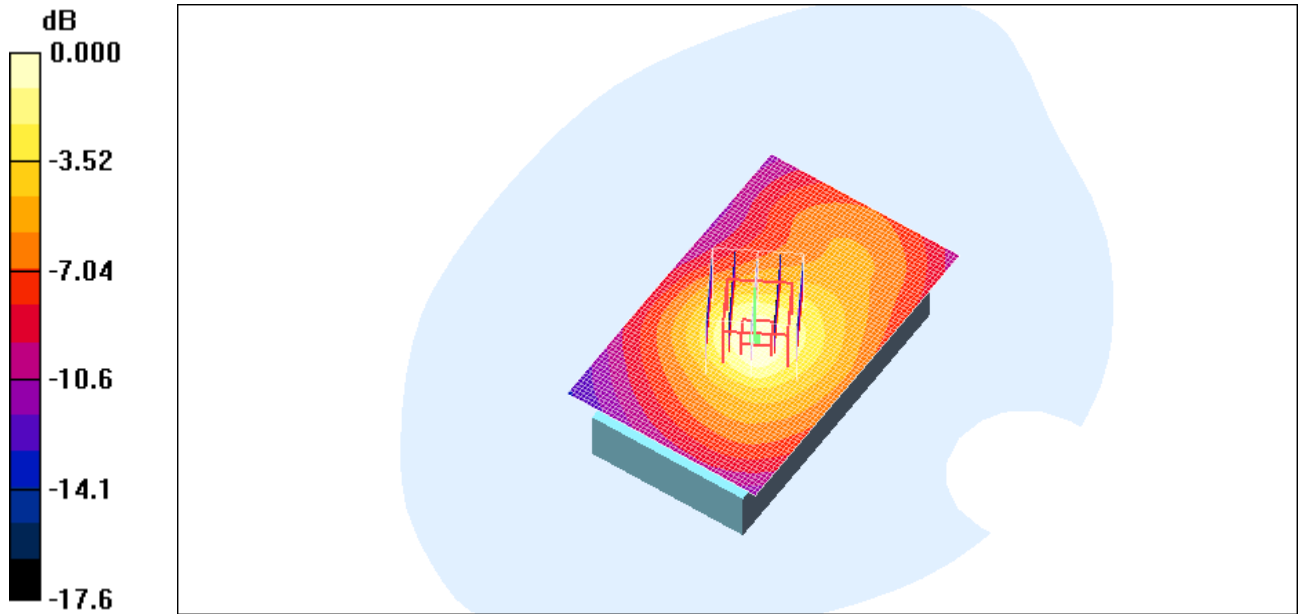
Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.183 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.389 mW/g

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0 dB = 0.389mW/g

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Date/Time: 20/05/2009 9:51:24 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back 802.11b Rev 3 mid chan amb temp 22.2C liq temp 21.7 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.120 dB

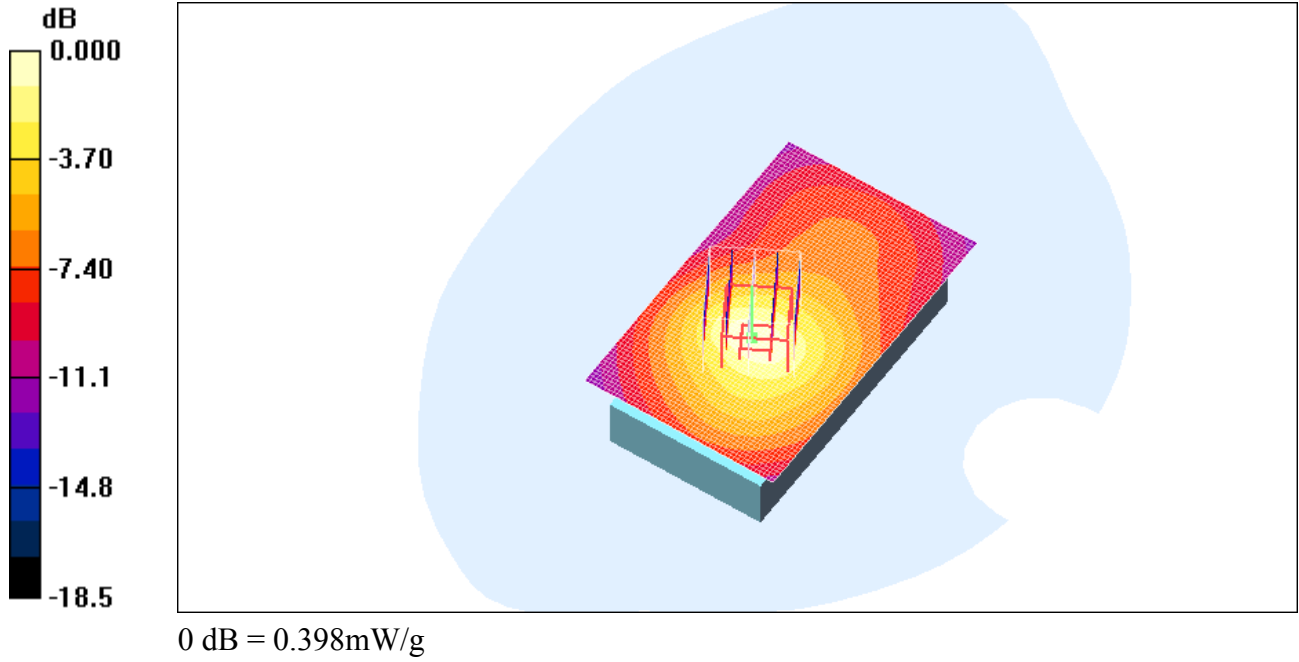
Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.192 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.398 mW/g

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Date/Time: 20/05/2009 10:19:32 PM

Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back 802.11b Rev 3 high chan amb temp 22.2C liq temp 21.7 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.06 \text{ mho/m}$; $\epsilon_r = 50$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Body - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = 0.068 dB

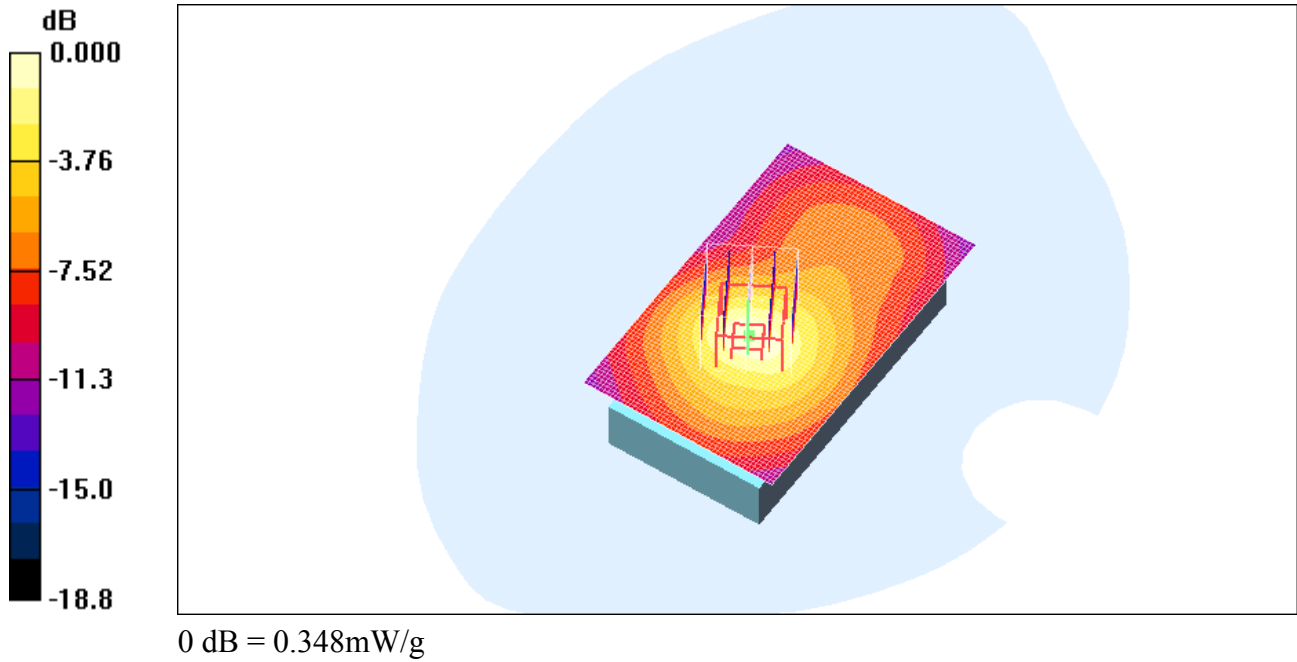
Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.168 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.348 mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 1 802.11b Rev 3 mid chan amb temp 22.4C liq temp 21.8C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.360 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.26 V/m; Power Drift = -0.080 dB

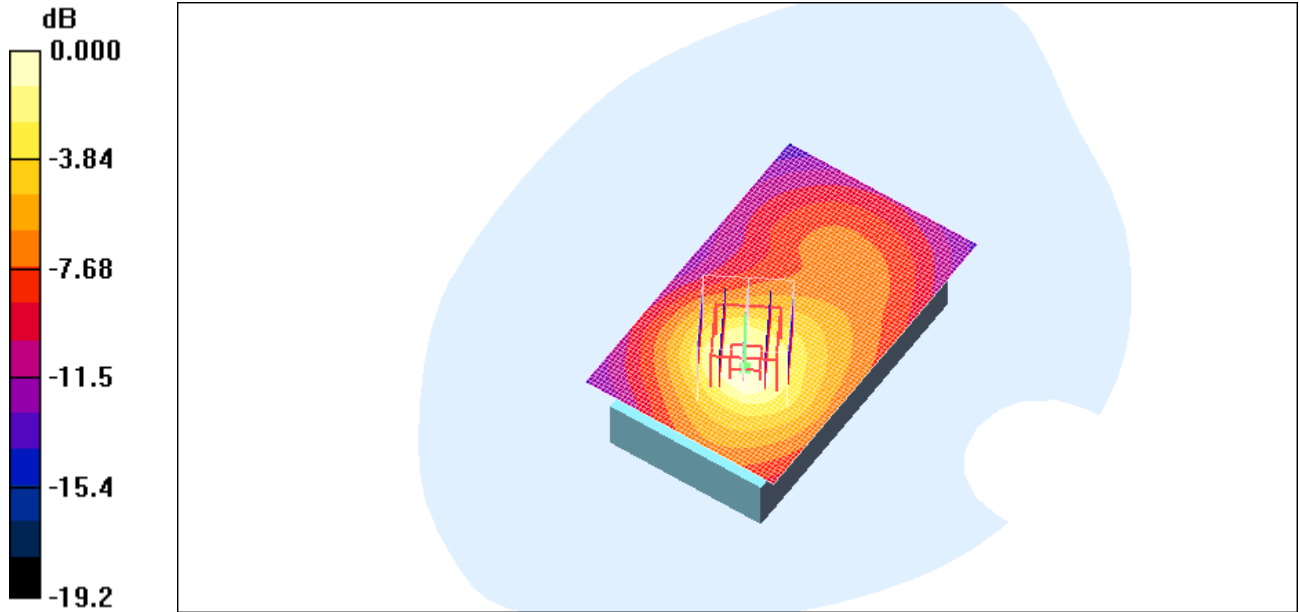
Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.167 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.364 mW/g

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0 dB = 0.364mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 2 802.11b Rev 3 mid chan amb temp 22.3C liq temp 21.8C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.350 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.28 V/m; Power Drift = 0.008 dB

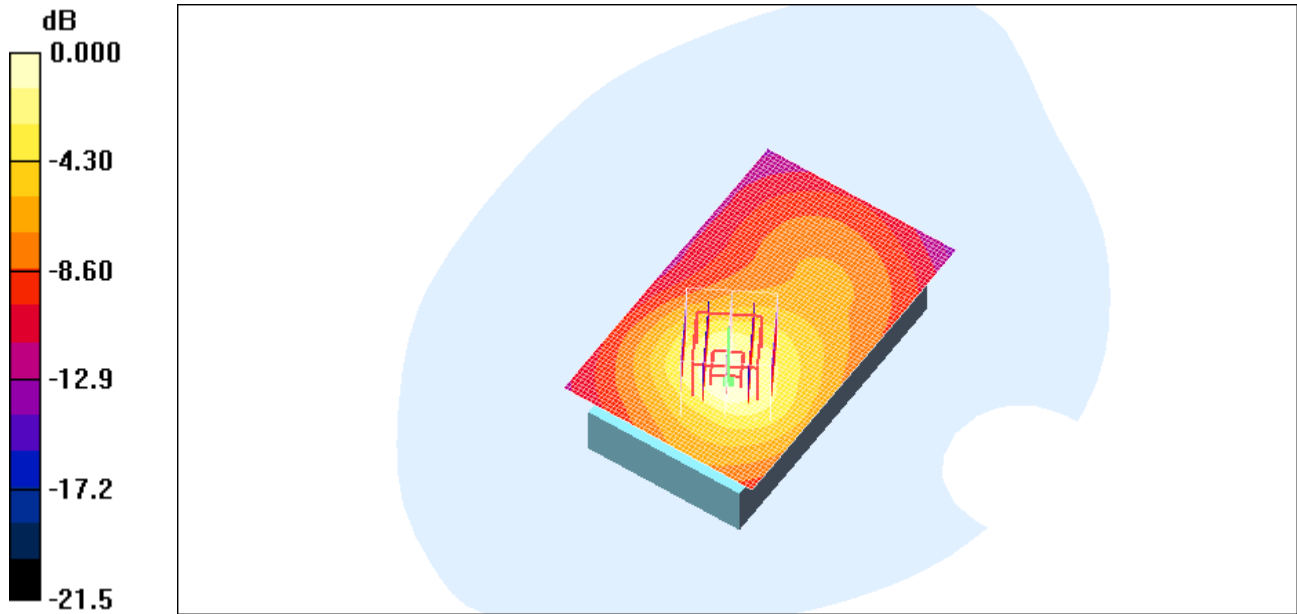
Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.161 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.348 mW/g

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0 dB = 0.348mW/g

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Test Laboratory: RTS

File Name:

[Vertical Holster 1 Back Headset 3 802.11b Rev 3 mid chan amb temp 22.3C liq temp 21.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20F3607B
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.328 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.17 V/m; Power Drift = 0.026 dB

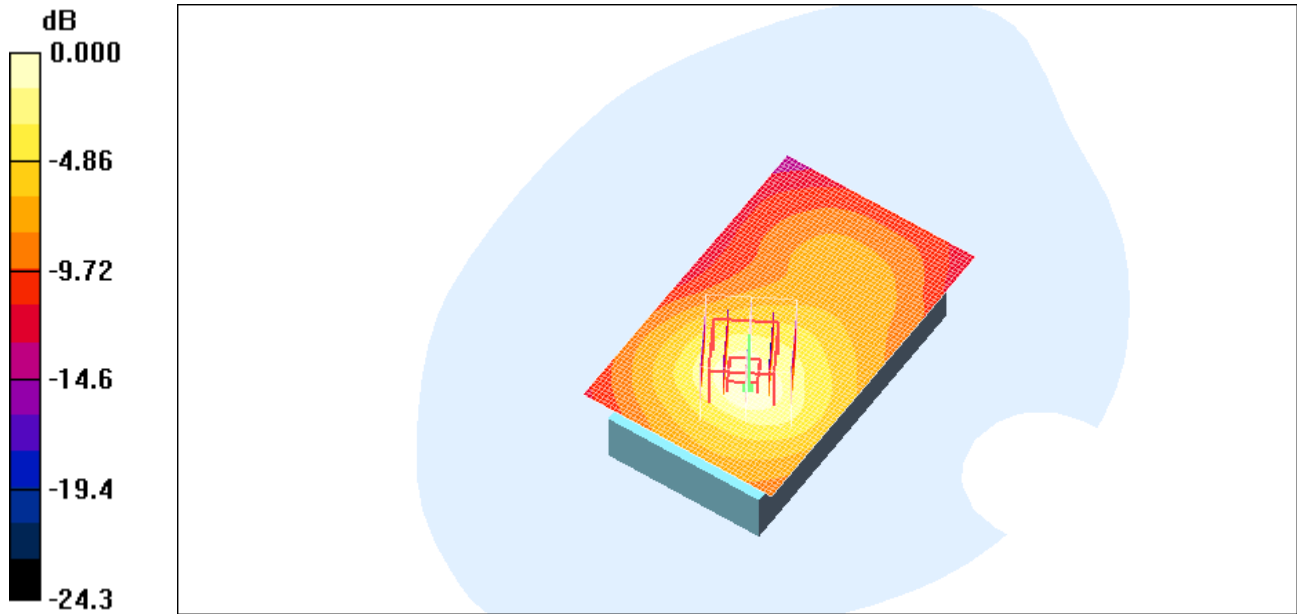
Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.153 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.332 mW/g

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Z axis plots for the worst case body worn configuration:

