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Author Data Shahriar Ninad	Dates of Test July 16-29, 2008	Test Report No RTS-1115-0807-21 Rev1	FCC ID: L6ARBZ40GW

APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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Date/Time: 28/07/2008 11:36:36 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back GPRS850 mid chan amb temp 22.8C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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; $s = 0.933$ mho/m; $\epsilon_r = 52.9$; density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.615 mW/g

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

Reference Value = 26.4 V/m; Power Drift = 0.082 dB

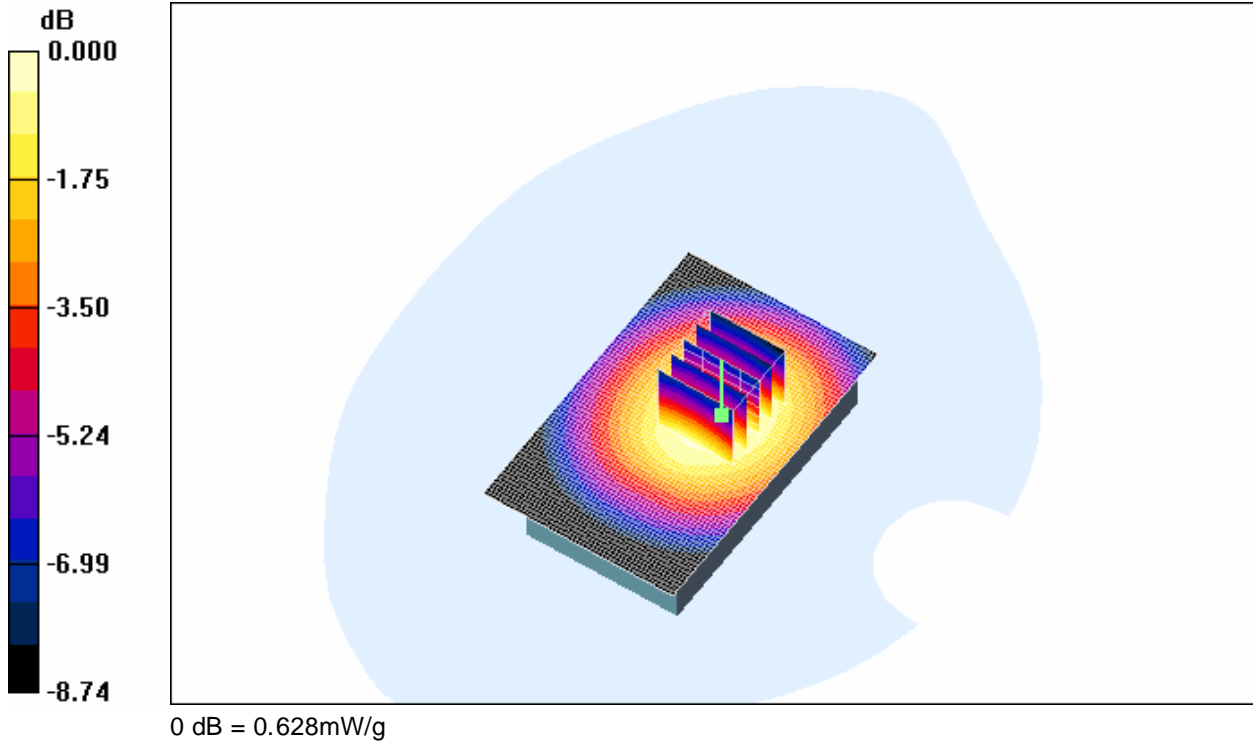
Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.435 mW/g

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

Maximum value of SAR (measured) = 0.628 mW/g

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Date/Time: 28/07/2008 11:51:59 AM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS850 mid_chan_amb_temp_22.5C_liq_temp_22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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; $s = 0.933$ mho/m; $\epsilon_r = 52.9$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.559 mW/g

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

Reference Value = 24.2 V/m; Power Drift = 0.011 dB

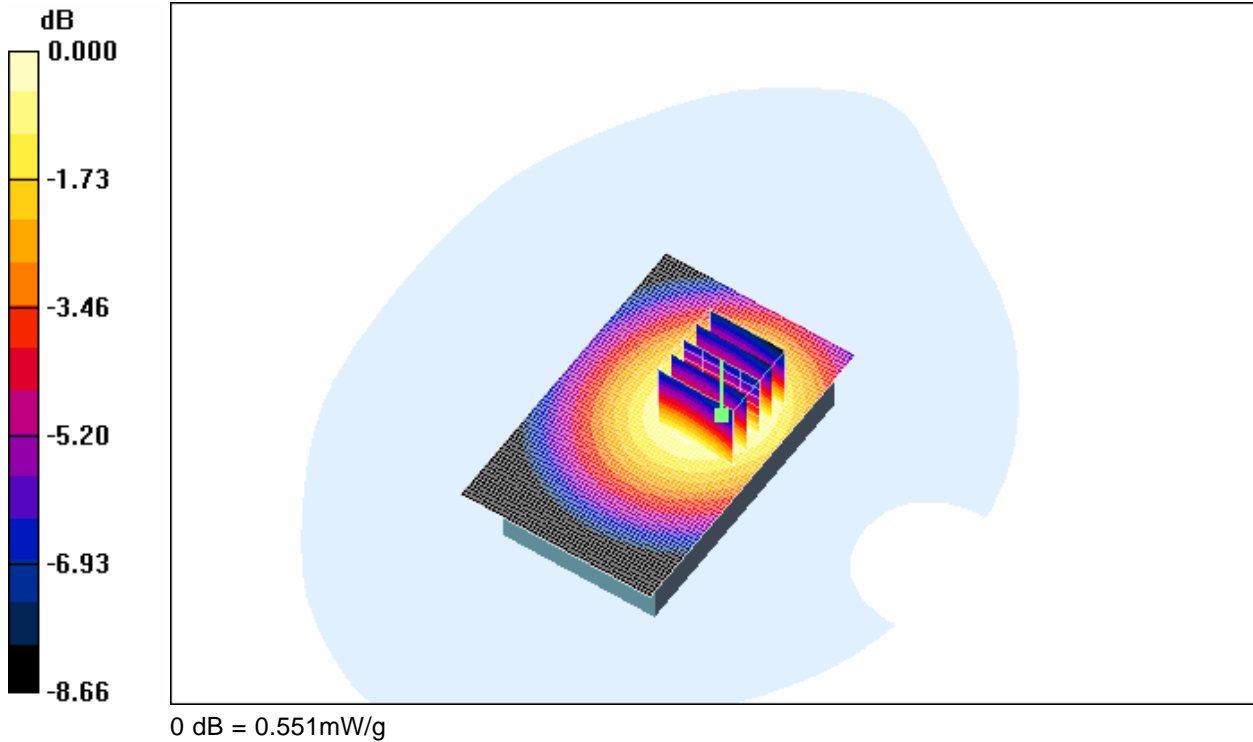
Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.390 mW/g

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

Maximum value of SAR (measured) = 0.551 mW/g

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Date/Time: 28/07/2008 12:26:31 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front GPRS850 mid chan amb temp 22.7C liq temp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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; $s = 0.933$ mho/m; $\epsilon_r = 52.9$; density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4m m (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.441 mW/g

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

Reference Value = 22.4 V/m; Power Drift = 0.105 dB

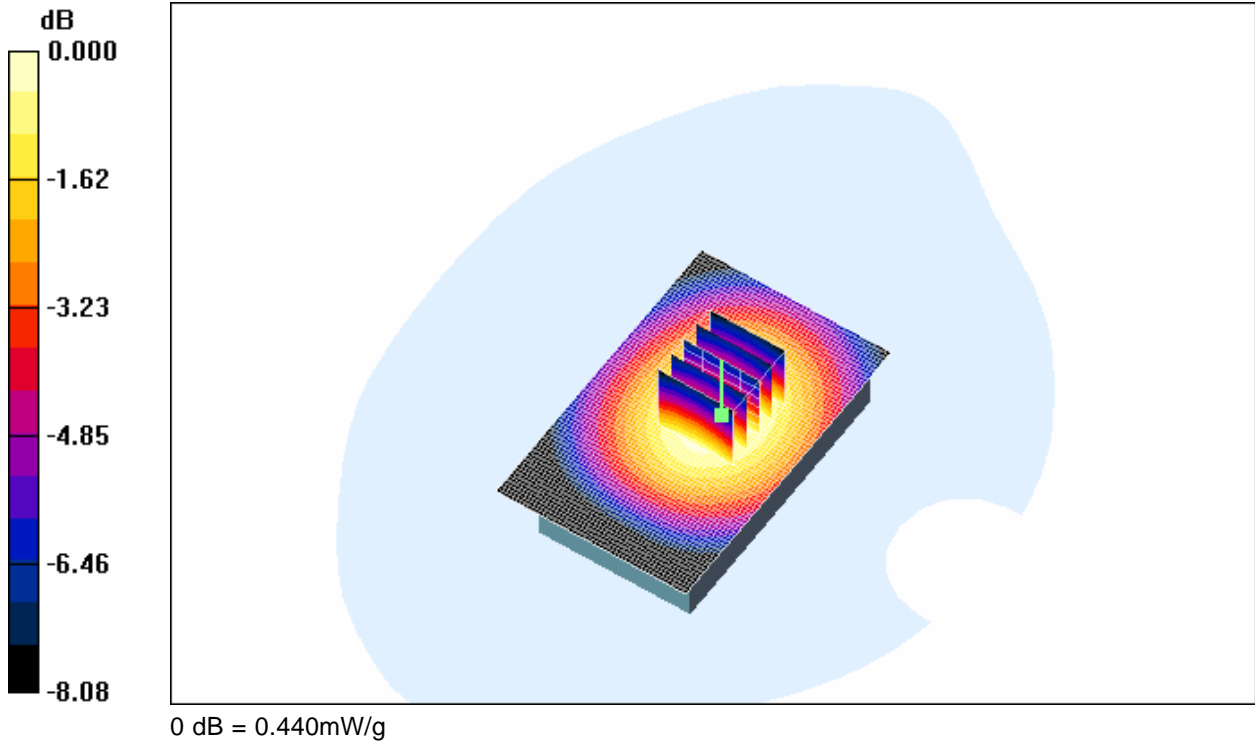
Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.311 mW/g

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

Maximum value of SAR (measured) = 0.440 mW/g

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Date/Time: 28/07/2008 12:09:25 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back GPRS850 mid chan amb temp 22.7C liq temp 21.9 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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): $f = 836.8 \text{ MHz}$; $s = 0.933 \text{ mho/m}$; $\epsilon_r = 52.9$; density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 23.4 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.336 mW/g

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

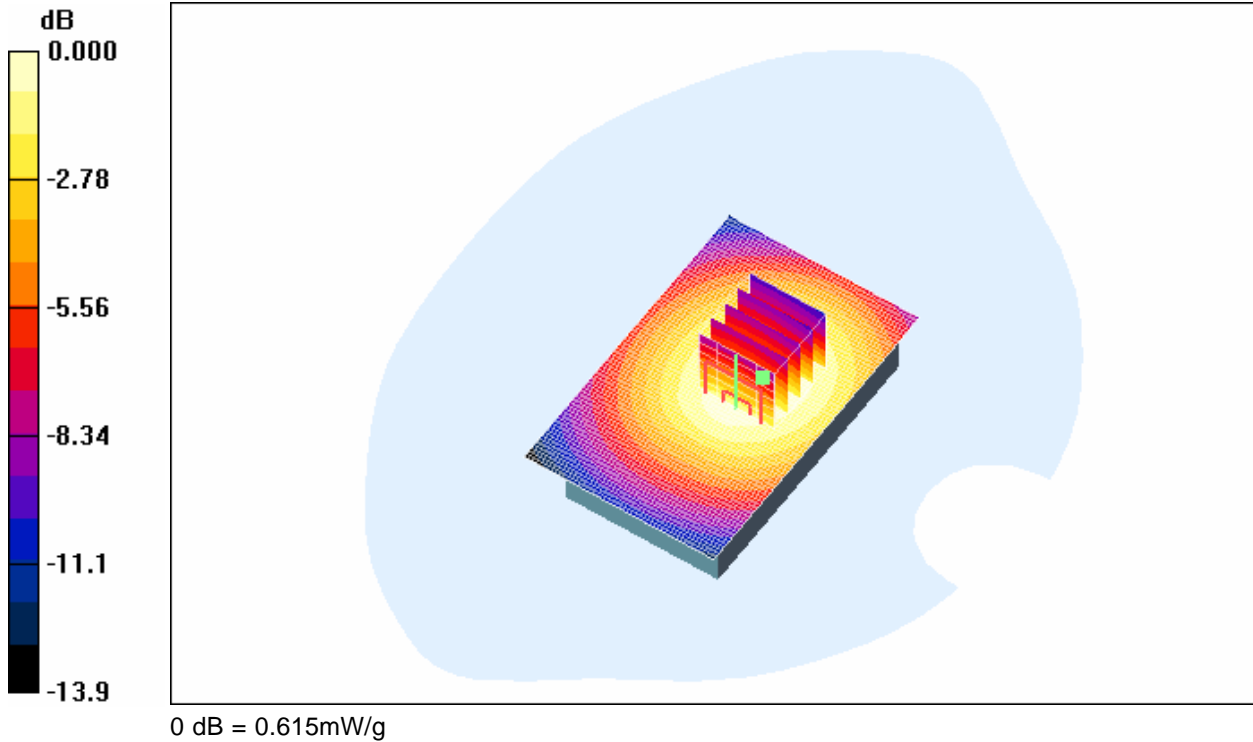
Maximum value of SAR (measured) = 0.491 mW/g

Body - Middle/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.615 mW/g

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Date/Time: 28/07/2008 3:05:48 PM

Test Laboratory: RTS

File Name: [25mm_Back_GPRS850_mid_chan_amb_temp_22.9C_liq_temp_22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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; $s = 0.933$ mho/m; $\epsilon_r = 52.9$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.416 mW/g

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

Reference Value = 21.2 V/m; Power Drift = 0.010 dB

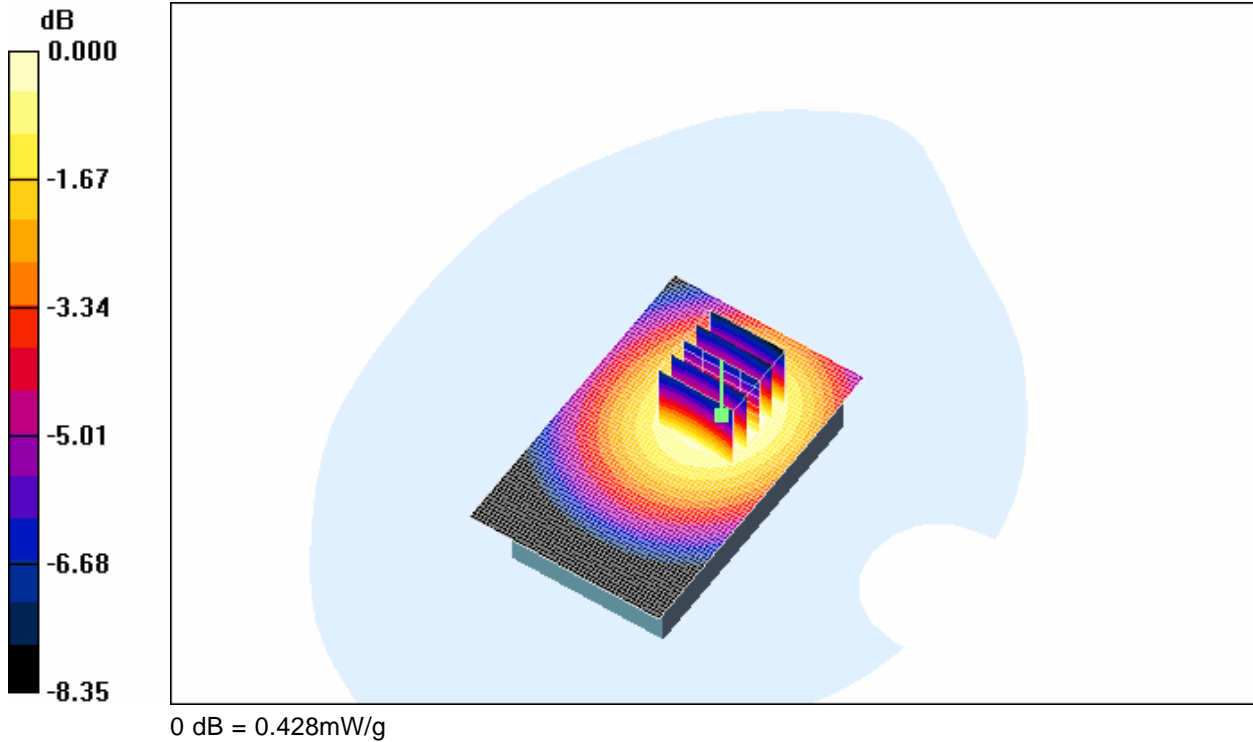
Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.301 mW/g

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

Maximum value of SAR (measured) = 0.428 mW/g

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Date/Time: 24/07/2008 10:51:06 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back GPRS1900_mid_chan_amb_temp_23.0C_liq_temp_22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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 MHz; s = 1.56 mho/m; $\epsilon_r = 51.1$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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
Maximum value of SAR (interpolated) = 0.312 mW/g

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

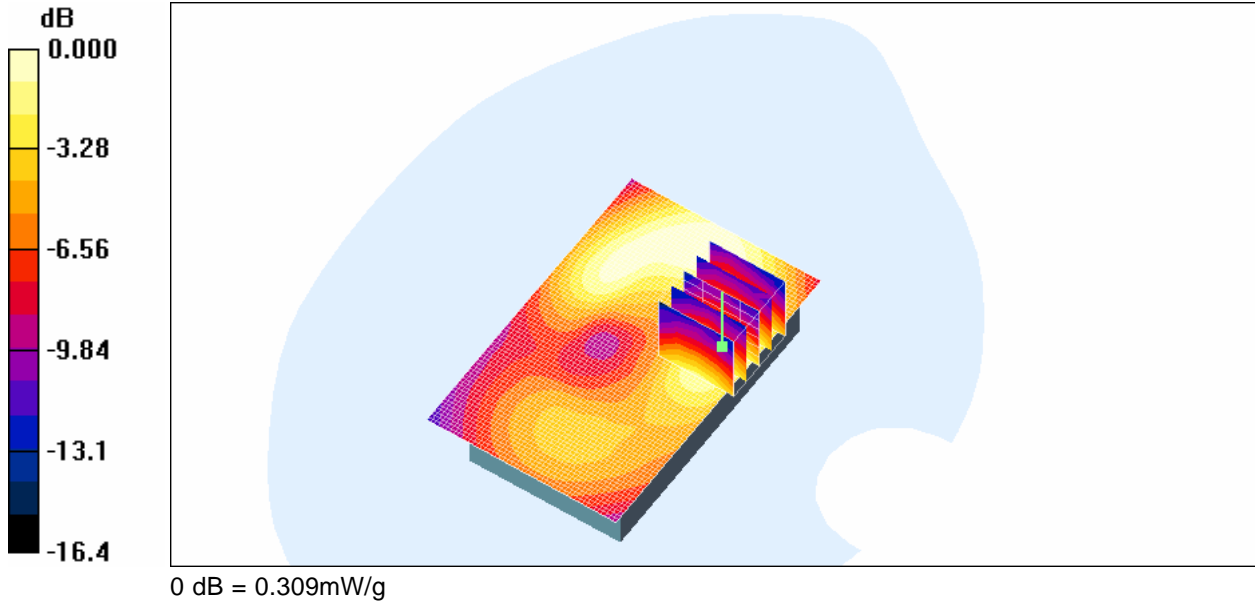
Reference Value = 5.94 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.170 mW/g

Maximum value of SAR (measured) = 0.309 mW/g

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Date/Time: 24/07/2008 11:05:22 AM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS1900 mid chan amb temp 23.0C liq temp 22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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 MHz; s = 1.56 mho/m; $\epsilon_r = 51.1$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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
Maximum value of SAR (interpolated) = 0.311 mW/g

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

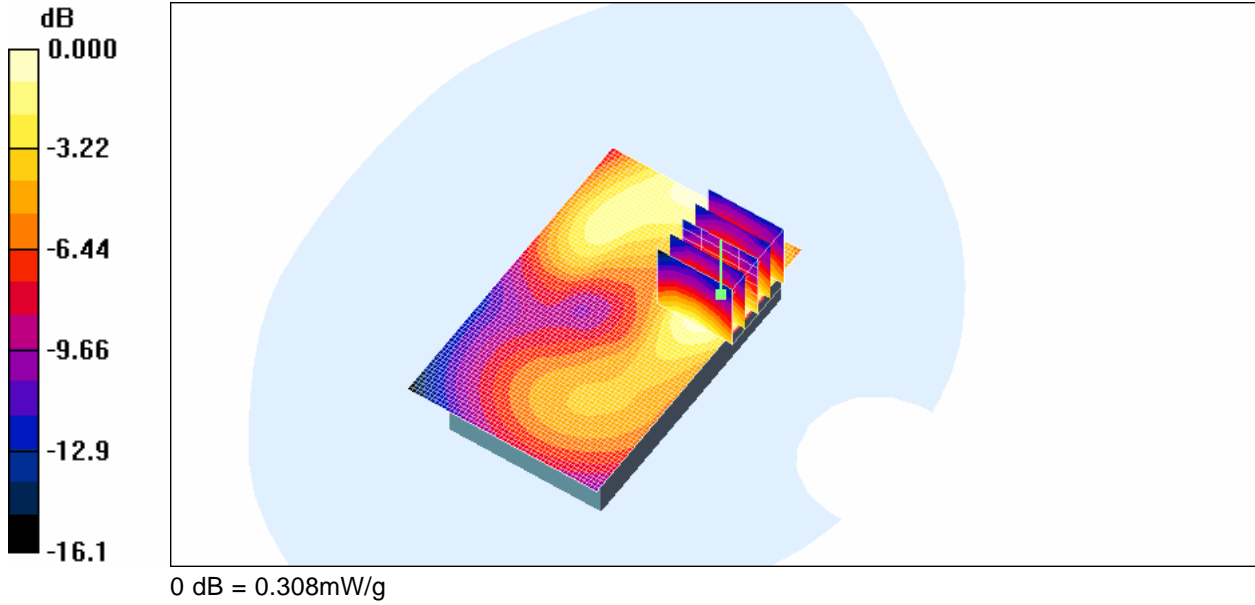
Reference Value = 5.39 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.308 mW/g

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Date/Time: 24/07/2008 11:20:14 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front GPRS1900 mid chan amb temp 22.8C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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 MHz; s = 1.56 mho/m; $\epsilon_r = 51.1$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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
Maximum value of SAR (interpolated) = 0.146 mW/g

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

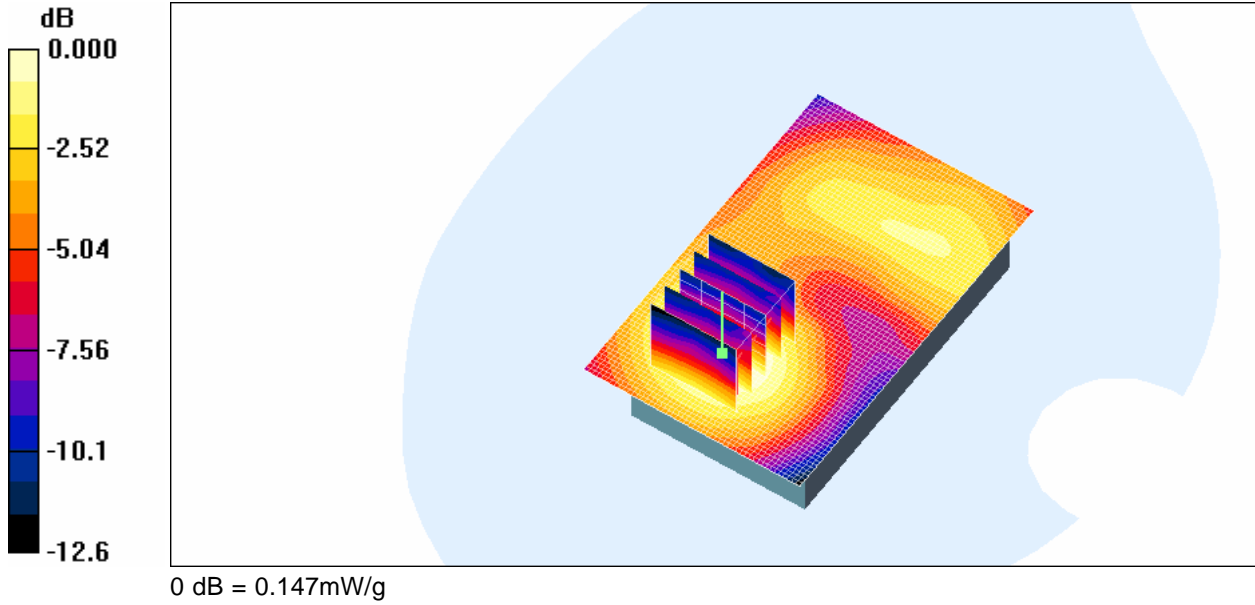
Reference Value = 5.18 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.090 mW/g

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

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Date/Time: 24/07/2008 11:39:29 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back GPRS1900 mid chan amb temp 22.8C liq temp 22.2C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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 MHz; s = 1.56 mho/m; $\epsilon_r = 51.1$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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
Maximum value of SAR (interpolated) = 0.315 mW/g

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

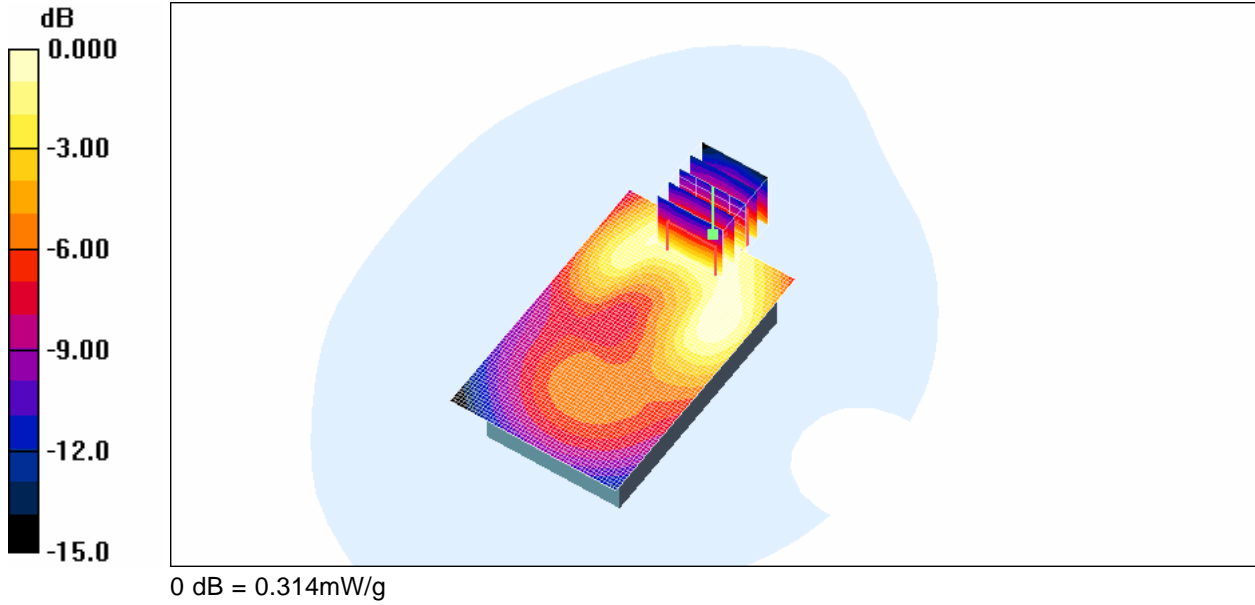
Reference Value = 6.73 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (measured) = 0.314 mW/g

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Date/Time: 24/07/2008 3:26:55 PM

Test Laboratory: RTS

File Name: [25mm_Back_GPRS1900_mid_chan_amb_temp_23.2C_liq_temp_22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761849
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 MHz; s = 1.56 mho/m; $\epsilon_r = 51.1$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

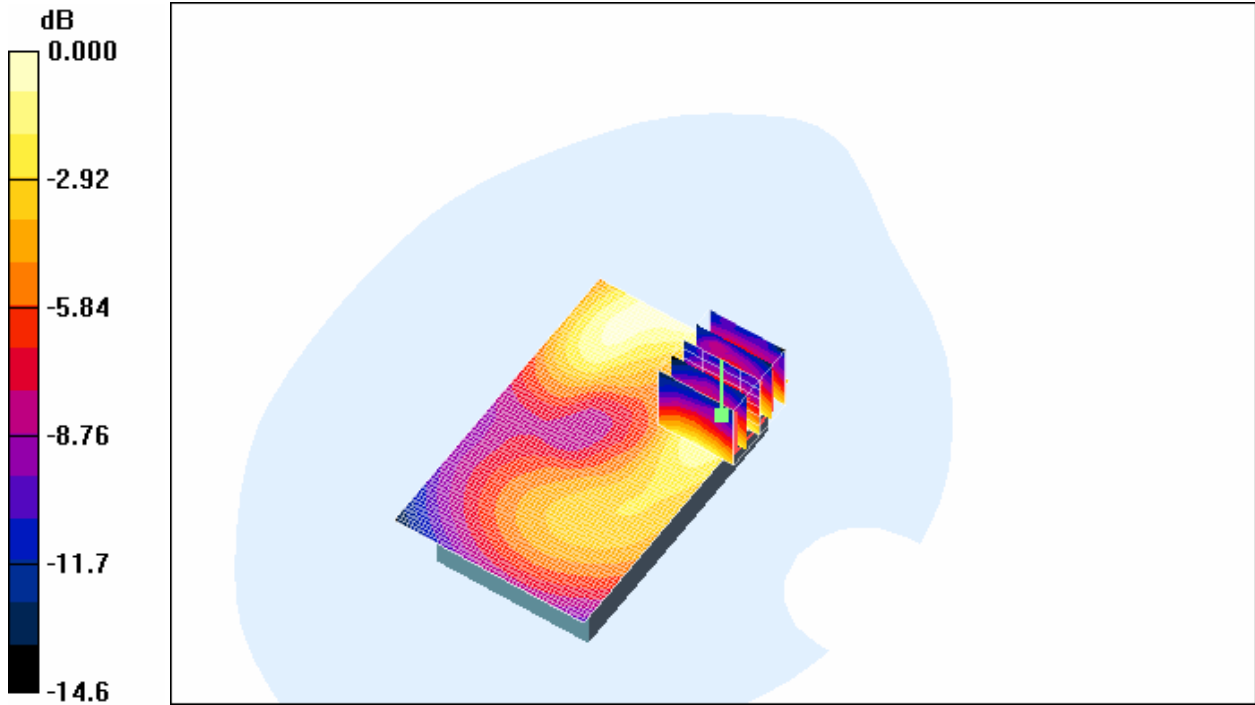
Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.177 mW/g

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

Reference Value = 4.65 V/m; Power Drift = 0.315 dB
Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.180 mW/g

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0 dB = 0.180mW/g

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Date/Time: 18/07/2008 10:35:21 PM

Test Laboratory: RTS

File Name: [Horizontal_Holster_Back_802.11b_mid_chan_amb_temp_24.2C_liq_temp_22.9C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 1.92$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.042 mW/g

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

Reference Value = 4.15 V/m; Power Drift = -0.057 dB

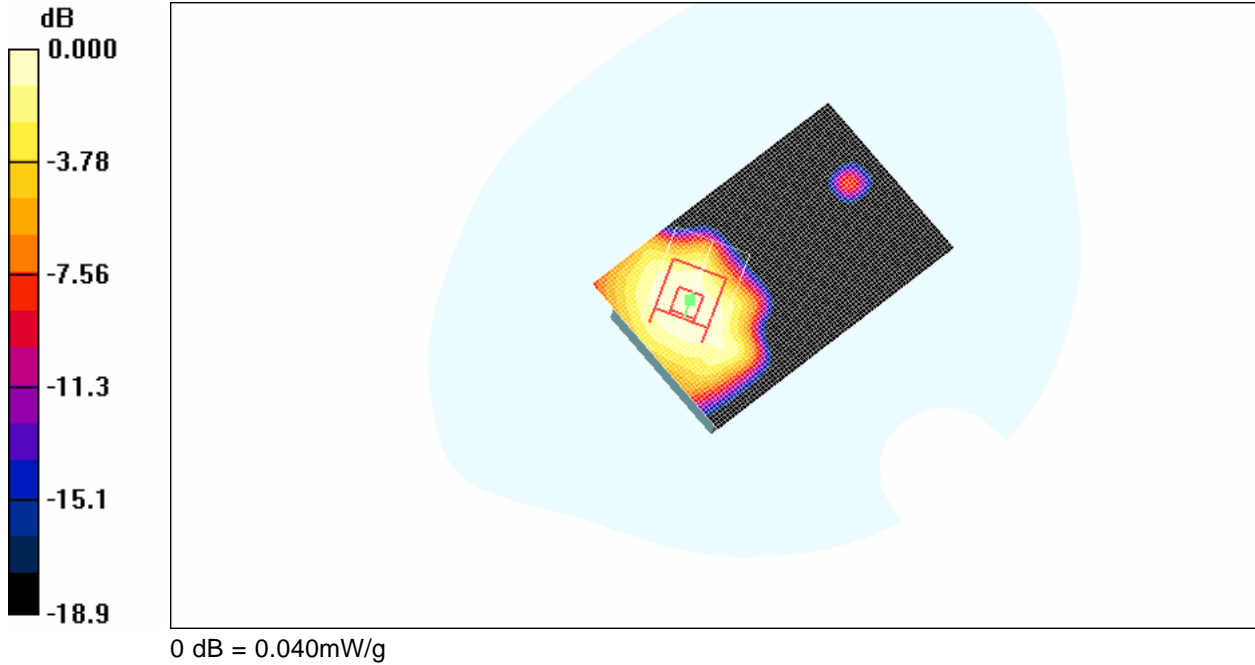
Peak SAR (extrapolated) = 0.070 W/kg

SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.016 mW/g

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

Maximum value of SAR (measured) = 0.040 mW/g

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Date/Time: 21/07/2008 3:01:40 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back 802.11b low_chan_amb_temp_23.2C_liq_temp_22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 1.98$ mho/m; $\epsilon = 50.7$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.107 mW/g

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

Reference Value = 1.95 V/m; Power Drift = 0.320 dB

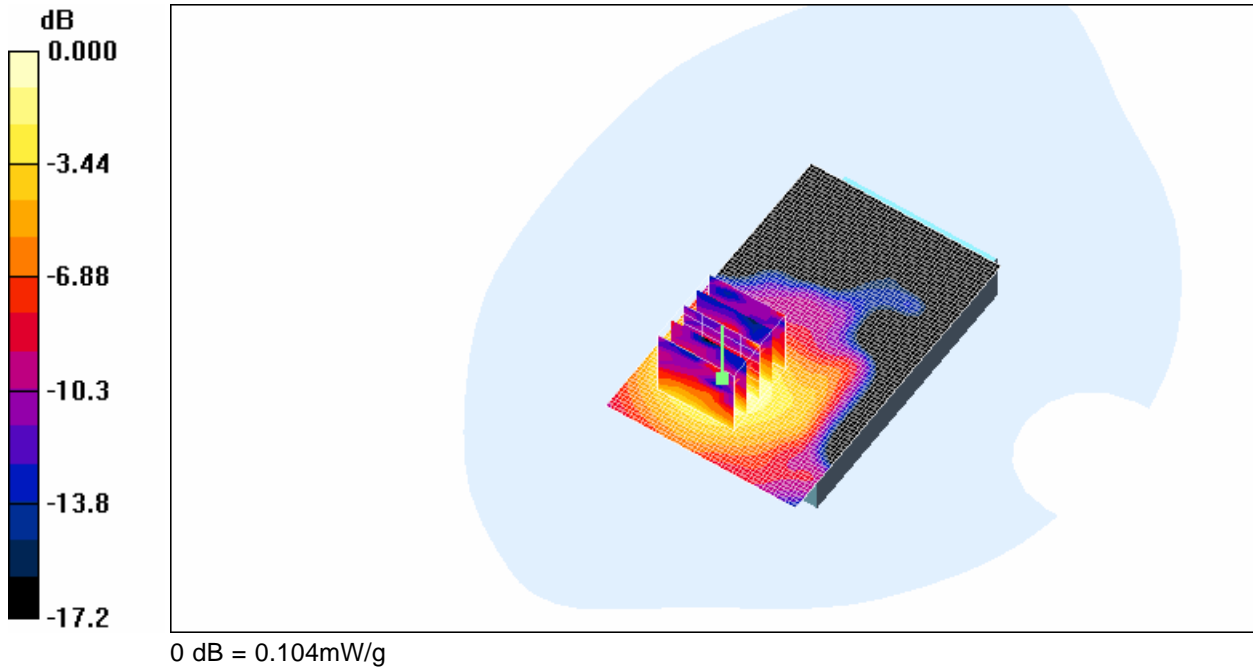
Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.051 mW/g

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

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

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Date/Time: 21/07/2008 2:40:24 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front 802.11b low_chan_amb_temp_23.5C_liq_temp_22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 1.98$ mho/m; $\epsilon = 50.7$; density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.028 mW/g

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

Reference Value = 1.79 V/m; Power Drift = -0.577 dB

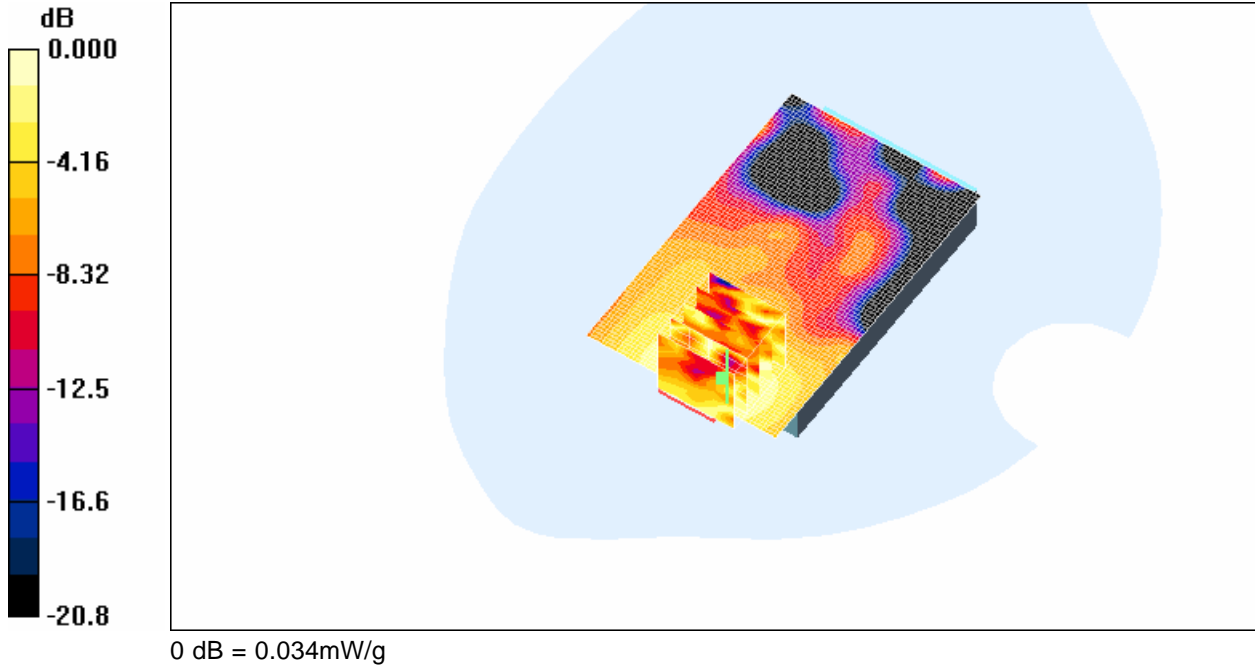
Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.00988 mW/g

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

Maximum value of SAR (measured) = 0.034 mW/g

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Date/Time: 21/07/2008 3:20:11 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back 802.11b low chan amb temp 23.1C liq temp 22.6C_da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; s = 1.98 mho/m; $\epsilon = 50.7$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.17 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.046 mW/g

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

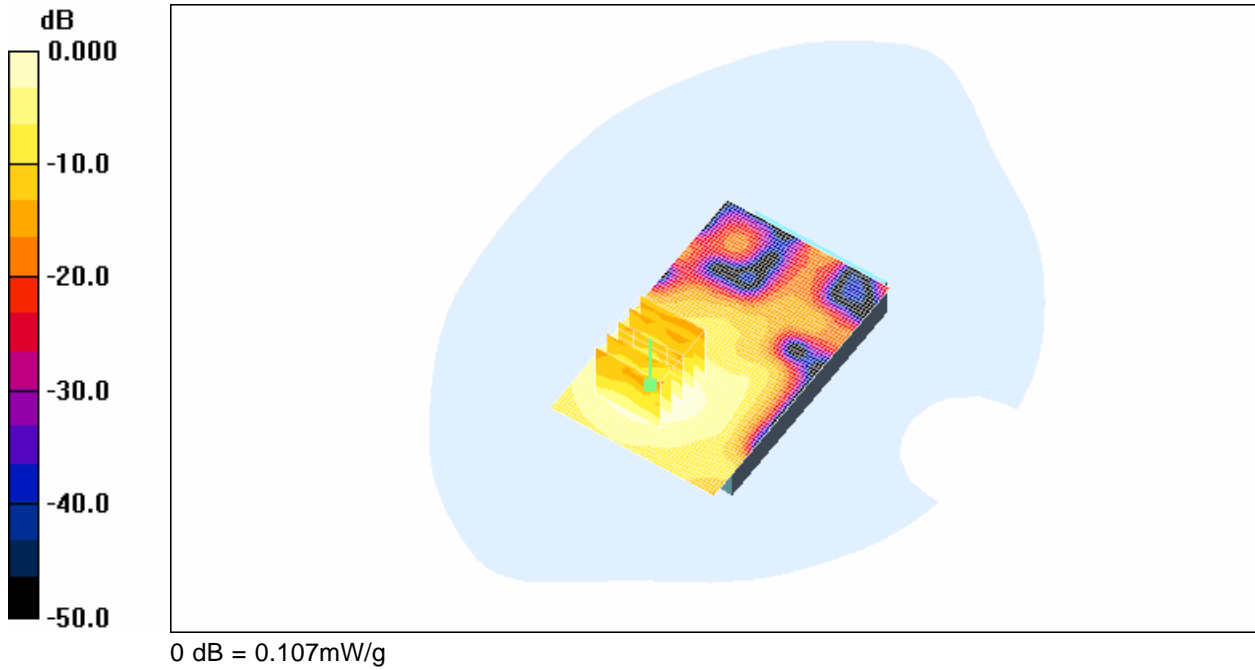
Maximum value of SAR (measured) = 0.091 mW/g

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

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

Maximum value of SAR (interpolated) = 0.107 mW/g

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Date/Time: 21/07/2008 3:32:57 PM

Test Laboratory: RTS

File Name: [25mm_distance_back_802.11b_low_chan_amb_temp_23.1C_liq_temp_22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 1.98$ mho/m; $\epsilon = 50.7$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.067 mW/g

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

Reference Value = 1.50 V/m; Power Drift = 0.092 dB

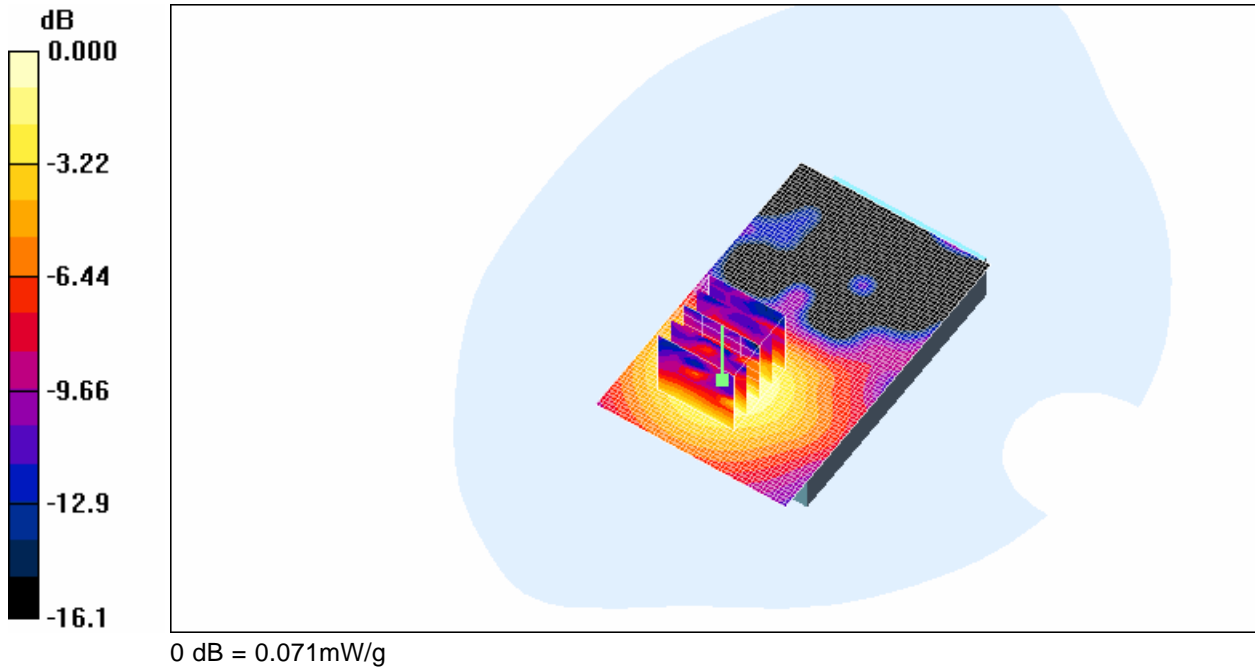
Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.035 mW/g

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

Maximum value of SAR (measured) = 0.071 mW/g

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Date/Time: 29/07/2008 2:57:02 PM

Test Laboratory: RTS

File Name: [Leather_Swivel_Holster_Back_BT_mid_chan_amb_temp_23.8C_liq_temp_22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 2.02$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.019 mW/g

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

Reference Value = 1.02 V/m; Power Drift = -0.157 dB

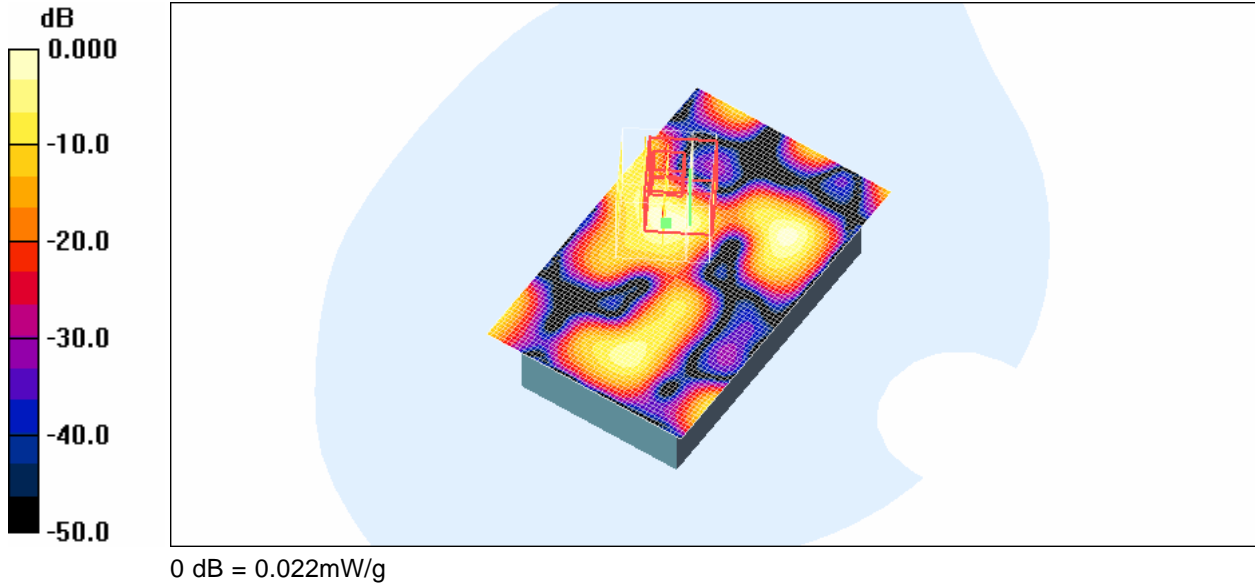
Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.000554 mW/g; SAR(10 g) = 0.000158 mW/g

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

Maximum value of SAR (measured) = 0.022 mW/g

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Date/Time: 29/07/2008 10:33:43 PM

Test Laboratory: RTS

File Name: [Horizontal_Holster_Back_BT_mid_chan_amb_temp_23.3C_liq_temp_22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 2.02$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.003 mW/g

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

Reference Value = 0.720 V/m; Power Drift = 0.242 dB

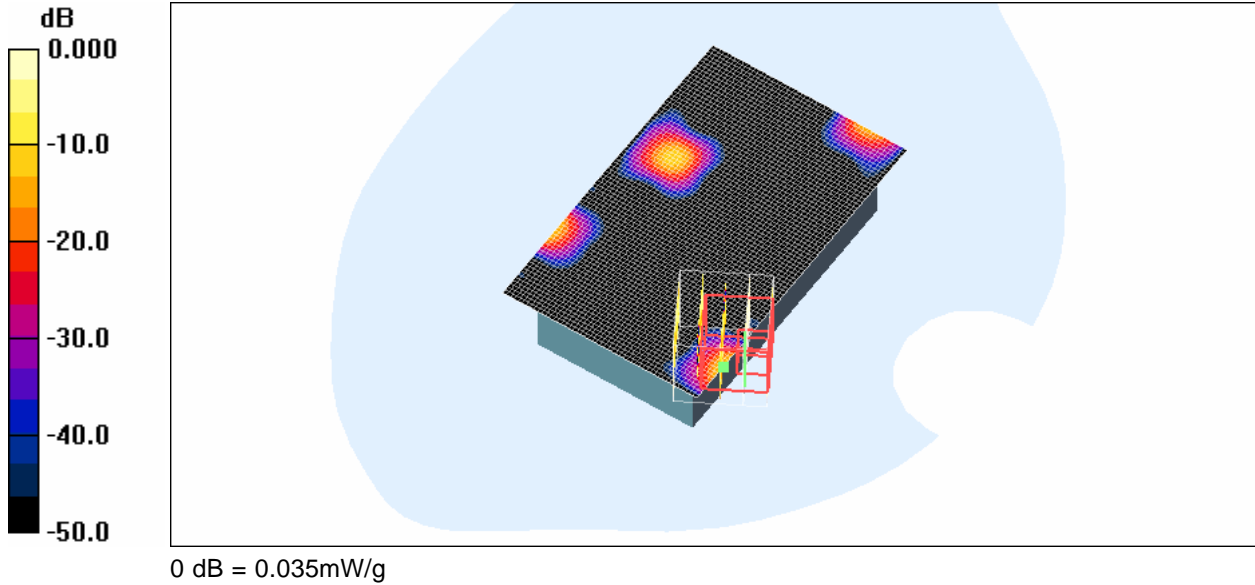
Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.00126 mW/g; SAR(10 g) = 0.000225 mW/g

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

Maximum value of SAR (measured) = 0.035 mW/g

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Date/Time: 29/07/2008 11:17:16 PM

Test Laboratory: RTS

File Name: [Horizontal_Holster_Front_BT_mid_chan_amb_temp_23.3C_liq_temp_22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 2.02$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.010 mW/g

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

Reference Value = 0.836 V/m; Power Drift = 0.102 dB

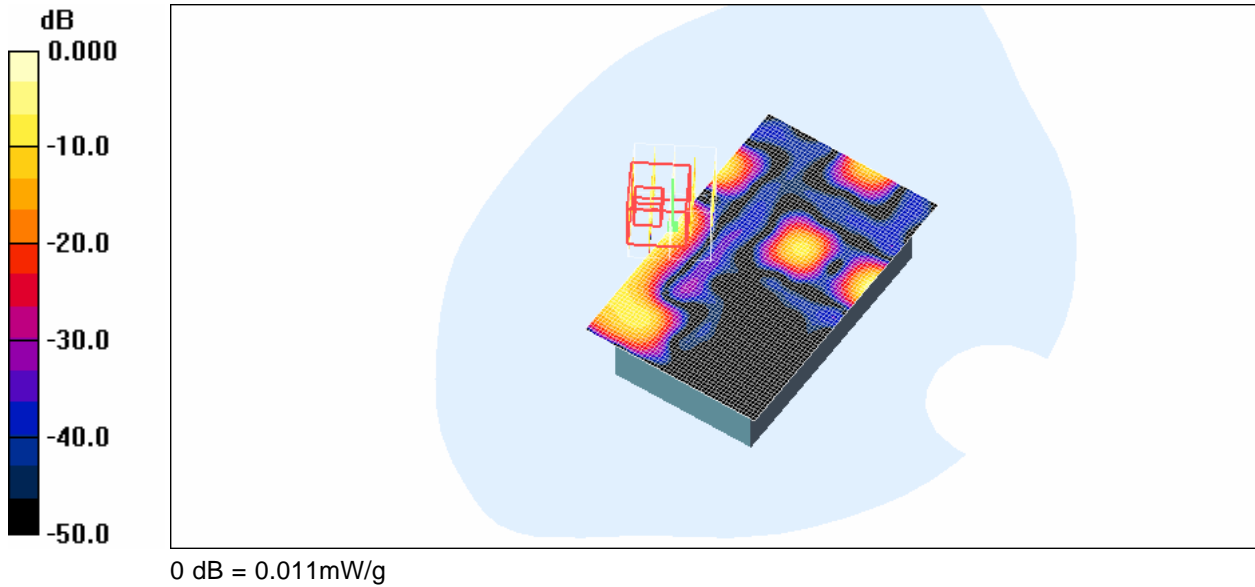
Peak SAR (extrapolated) = 0.011 W/kg

SAR(1 g) = 0.000135 mW/g; SAR(10 g) = 1.91e-005 mW/g

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

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

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Date/Time: 29/07/2008 11:35:11 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back Headset BT mid chan amb temp 23.4C liq temp 22.2C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 2.02$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.005 mW/g

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

Reference Value = 1.08 V/m; Power Drift = -4.48 dB

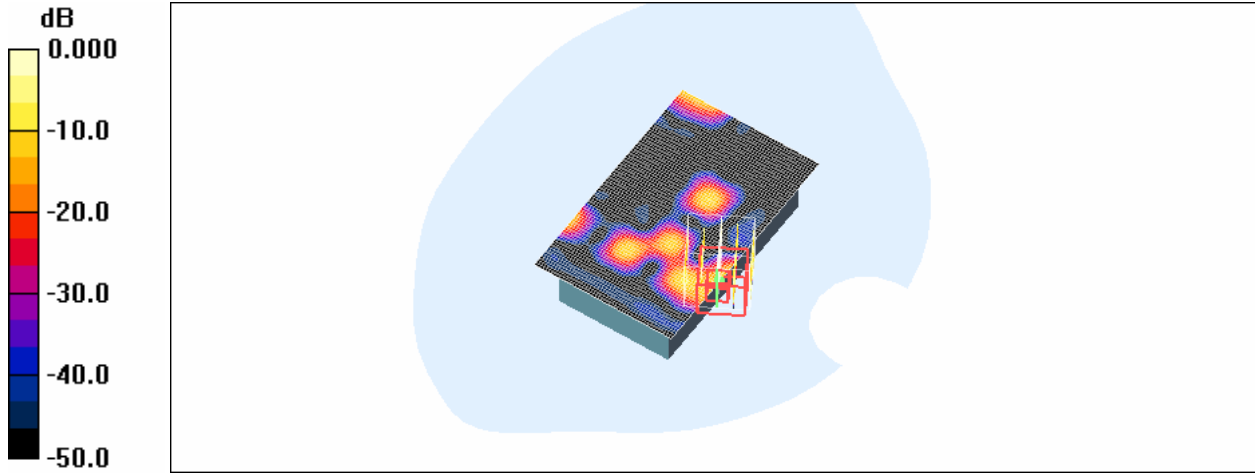
Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.000308 mW/g; SAR(10 g) = 4.39e-005 mW/g

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

Maximum value of SAR (measured) = 0.028 mW/g

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0 dB = 0.028mW/g

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Date/Time: 29/07/2008 11:55:25 PM

Test Laboratory: RTS

File Name: [25_mm_Back_BT_mid_chan_amb_temp_23.2C_liq_temp_22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 20761A7D
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; $s = 2.02$ mho/m; $\epsilon = 50.4$; density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- 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) = 0.007 mW/g

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

Reference Value = 0.513 V/m; Power Drift = 4.01 dB

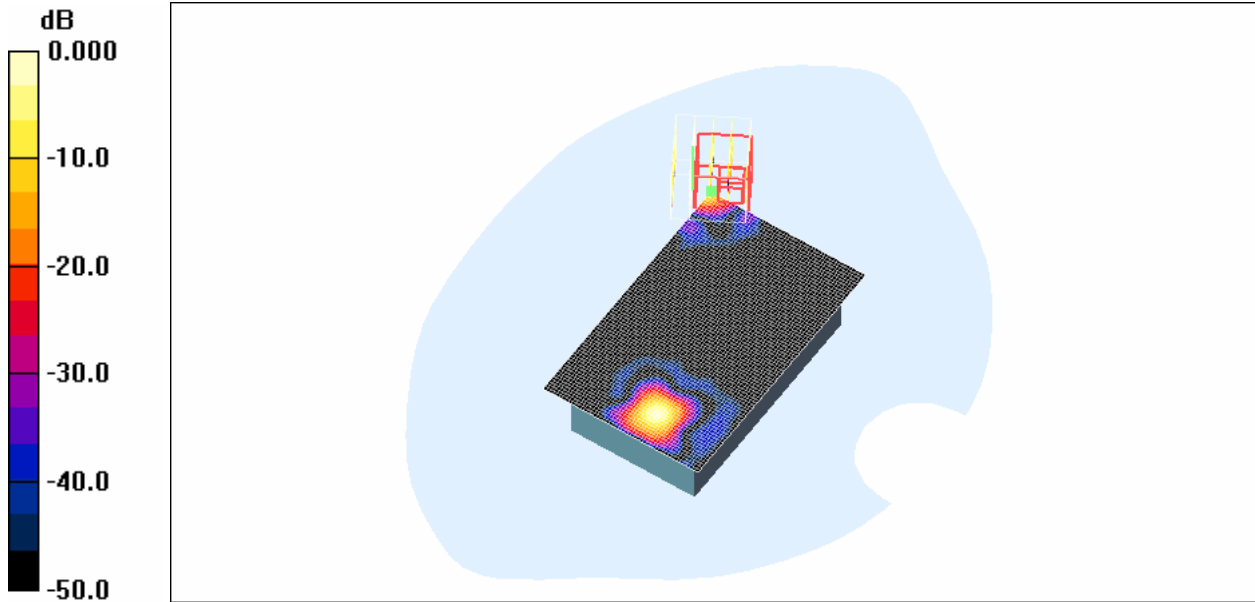
Peak SAR (extrapolated) = 0.010 W/kg

SAR(1 g) = 0.000208 mW/g; SAR(10 g) = 3.87e-005 mW/g

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

Maximum value of SAR (measured) = 0.010 mW/g

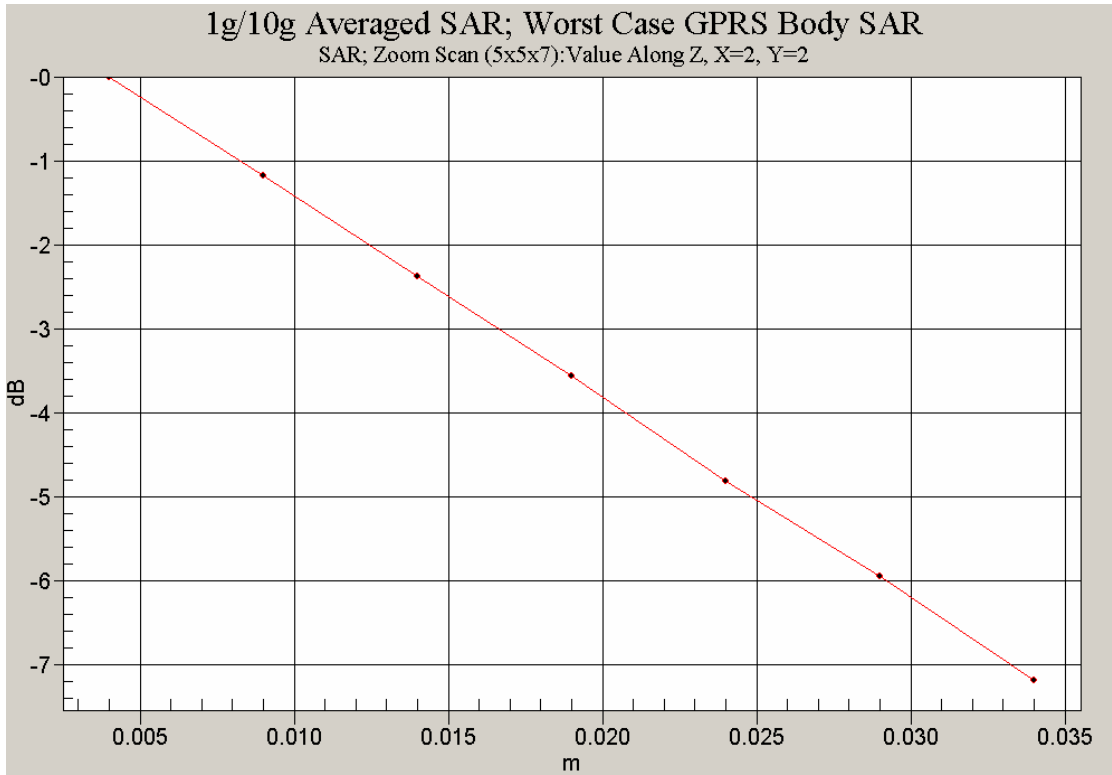
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0 dB = 0.010mW/g

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Z axis plots for the worst case body worn configuration:



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