

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendices for the BlackBerry Wireless Handheld Model  RBG41GW SAR Report</b>		Page <b>1(56)</b>
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**APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION**

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Test Laboratory: RTS

**Body\_Holster1\_Back\_GPRS850\_Mid\_Chan\_Amb\_Tem\_25\_0\_Liq\_Tem\_23\_5  
Deg\_Cel\_13\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.0 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.368 mW/g**

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

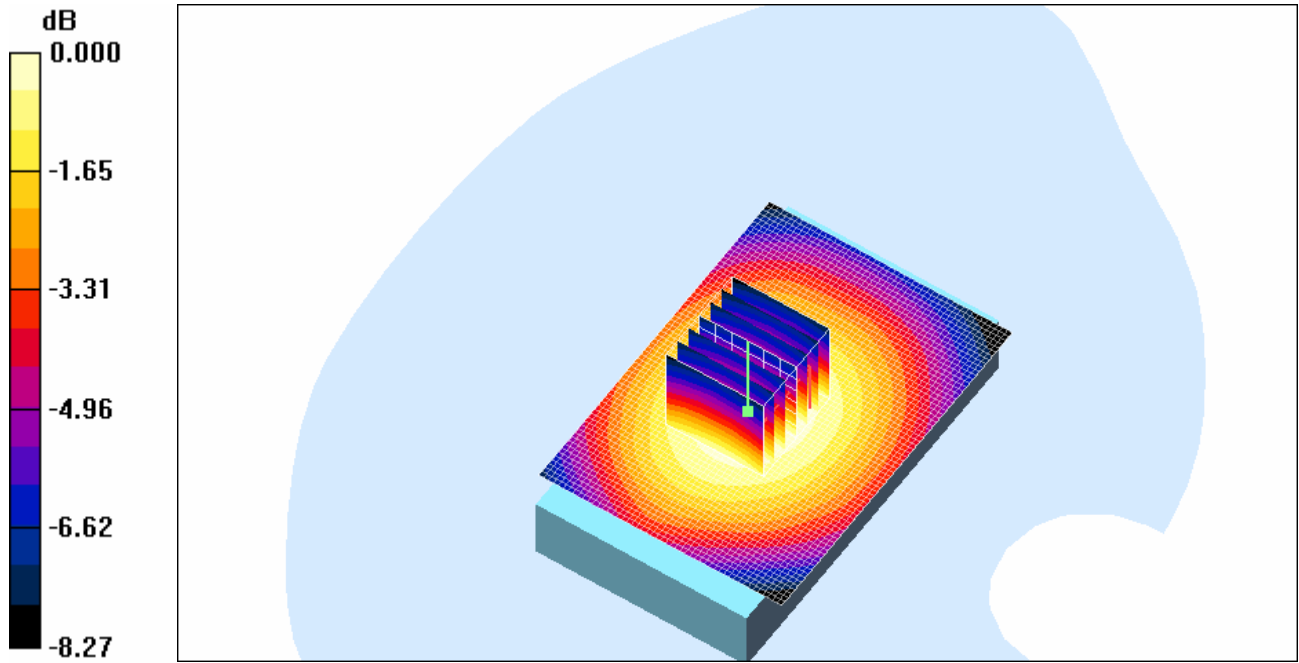
Maximum value of SAR (measured) = 0.519 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.522 mW/g

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0 dB = 0.519mW/g

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Test Laboratory: RTS

**Body\_Holster1\_Front\_GPRS850\_Mid\_Chan\_Amb\_Tem\_25\_2\_Liq\_Tem\_23\_5  
Deg\_Cel\_13\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.7 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.348 mW/g**

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

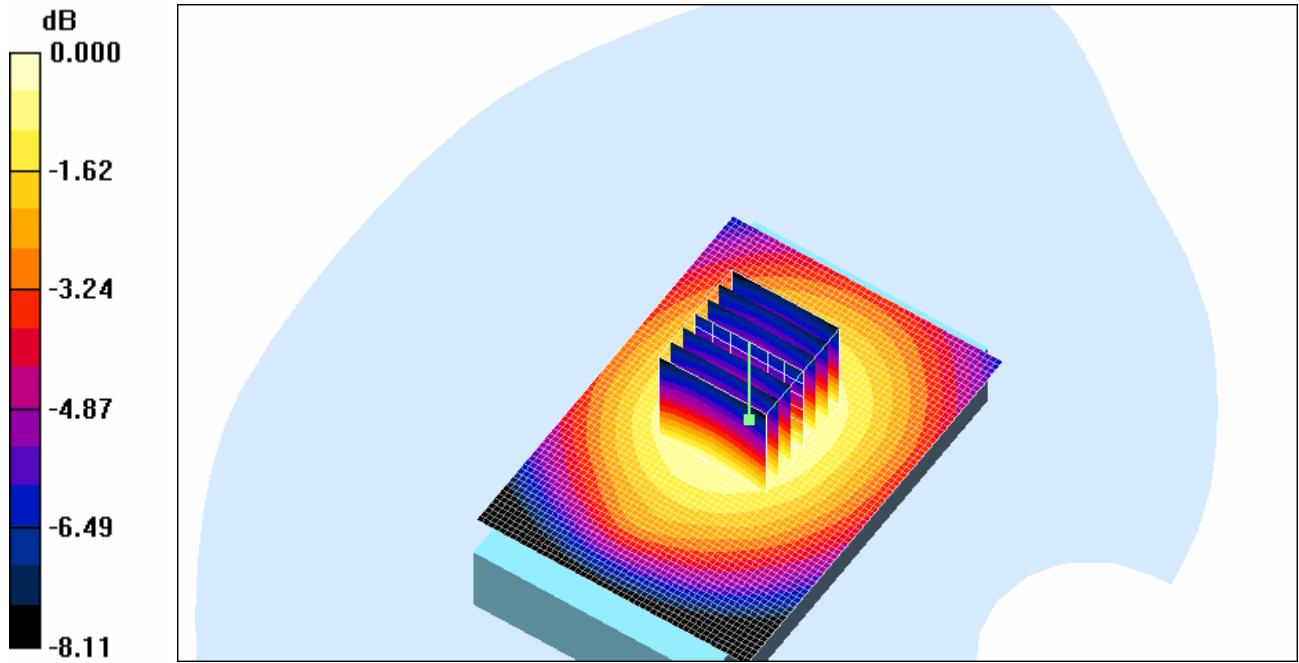
Maximum value of SAR (measured) = 0.495 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.487 mW/g

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Test Laboratory: RTS

**Body\_Holster2\_Back\_GPRS850\_Mid\_Chan\_Amb\_Tem\_24\_5\_Liq\_Tem\_23\_2  
Deg\_Cel\_14\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.645 W/kg

**SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.378 mW/g**

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

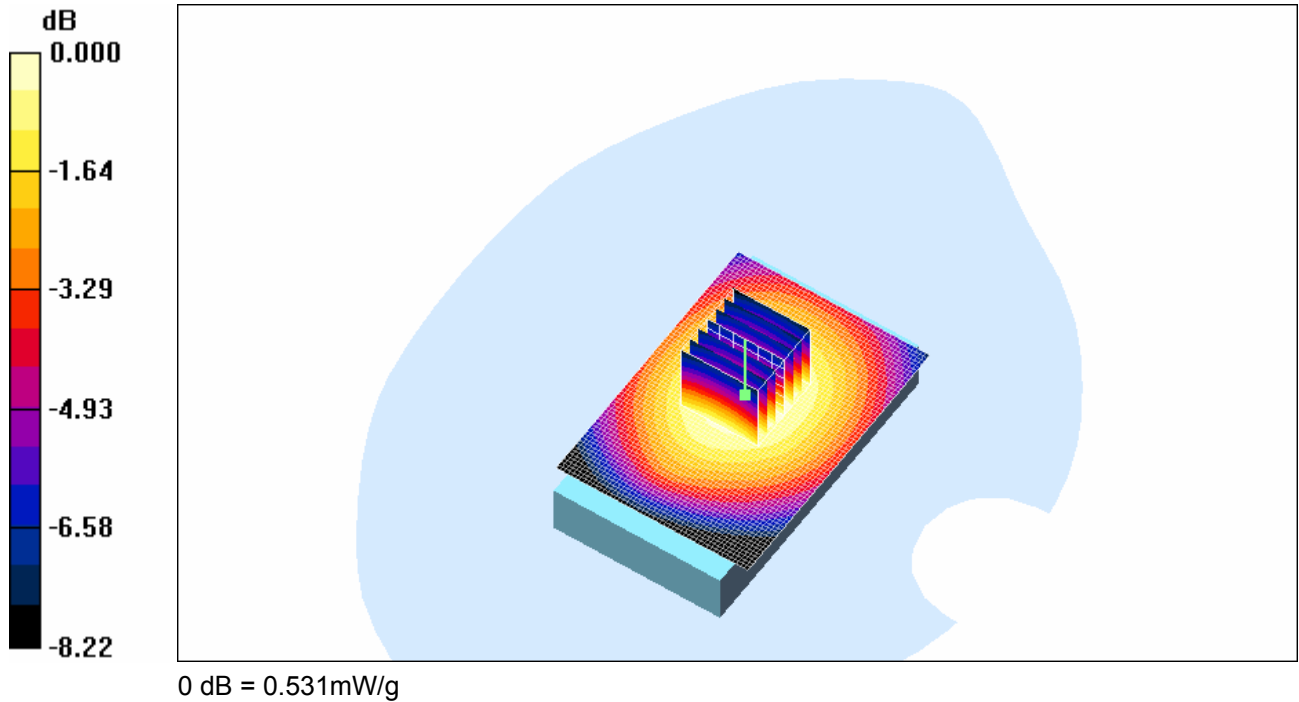
Maximum value of SAR (measured) = 0.531 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.529 mW/g

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Test Laboratory: RTS

**Body\_Holster2\_Back\_Headset1\_GPRS850\_Mid\_Chan\_Amb\_Tem\_24\_0\_Liq\_Tem\_23\_1  
Deg\_Cel\_14\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.0 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.508 W/kg

**SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.301 mW/g**

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

Maximum value of SAR (measured) = 0.424 mW/g

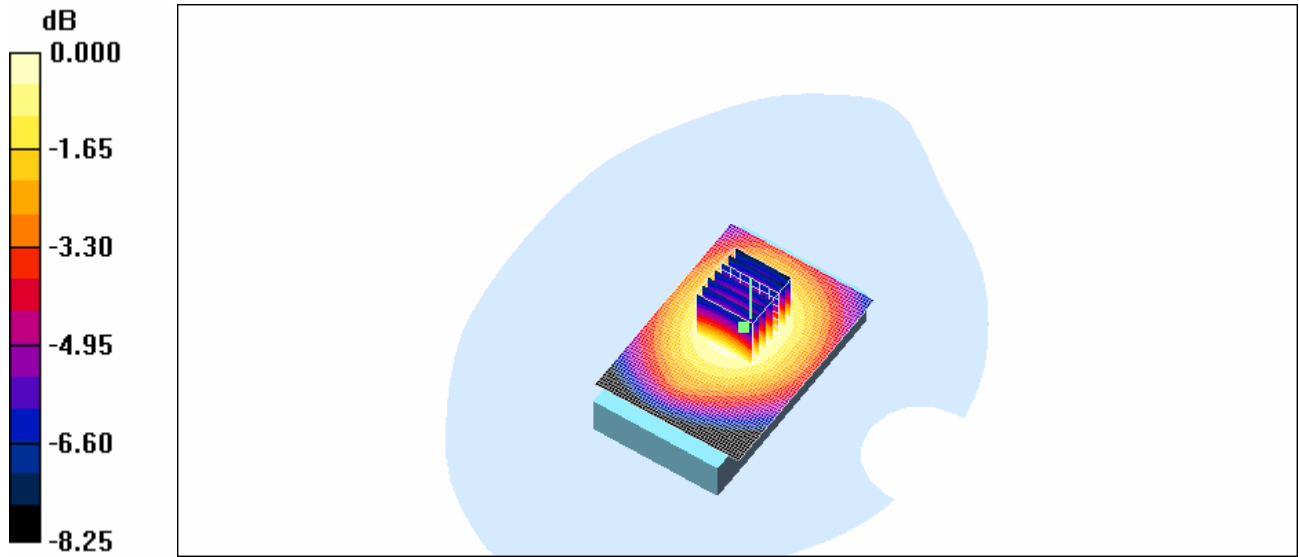
**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.426 mW/g



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0 dB = 0.424mW/g

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Test Laboratory: RTS

**Body\_Holster2\_Back\_Headset2\_BT\_ON\_  
GPRS850\_Mid\_Chan\_Amb\_Tem\_24\_1\_Liq\_Tem\_22\_8\_Deg\_Cel\_14\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.991 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.9 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.634 W/kg

**SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.376 mW/g**

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

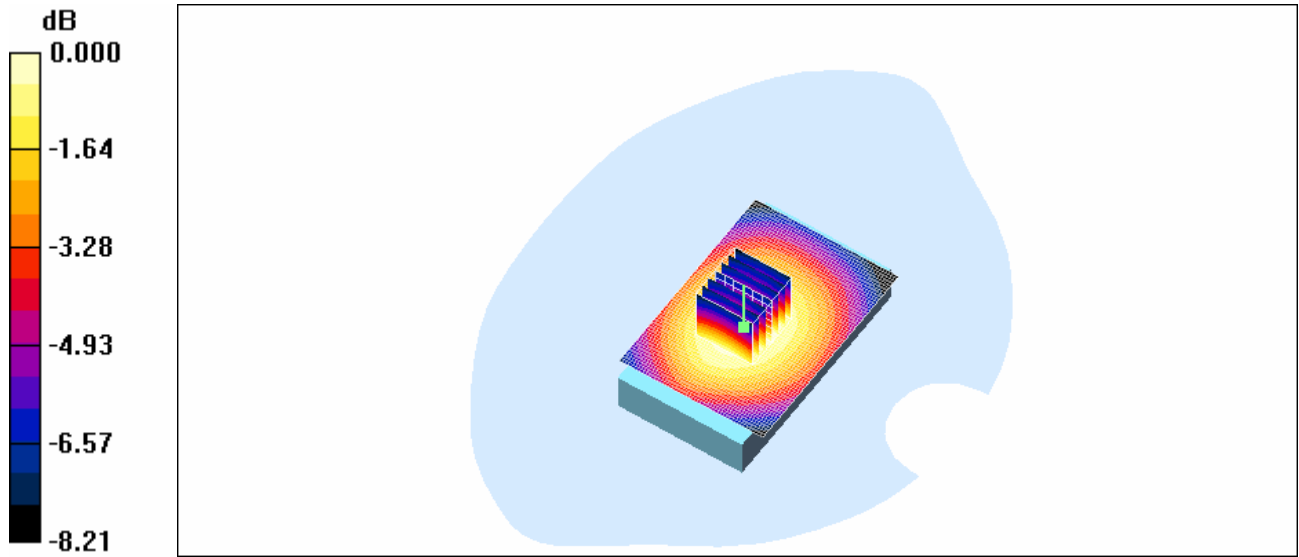
Maximum value of SAR (measured) = 0.530 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.533 mW/g

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0 dB = 0.530mW/g

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Test Laboratory: RTS

**Body\_25mm\_Back\_GPRS850\_Mid\_Chan\_Amb\_Tem\_24\_1\_Liq\_Tem\_23\_0  
Deg\_Cel\_14\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.03, 6.03, 6.03); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.3 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.634 W/kg

**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.368 mW/g**

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

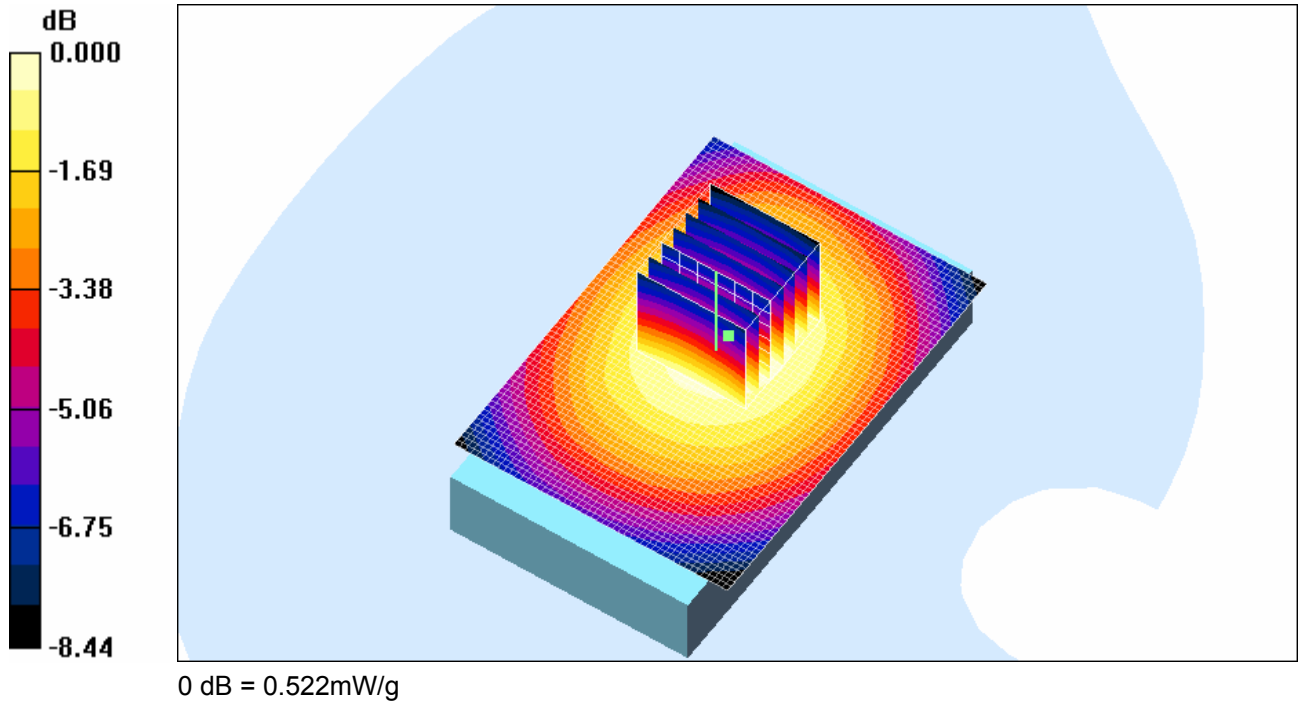
Maximum value of SAR (measured) = 0.522 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.523 mW/g

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Test Laboratory: RTS

**Body\_Holster\_Back\_GPRS1900\_Mid\_Chan\_Amb\_Tem\_24\_4\_Liq\_Tem\_22\_8  
Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.54 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.757 W/kg

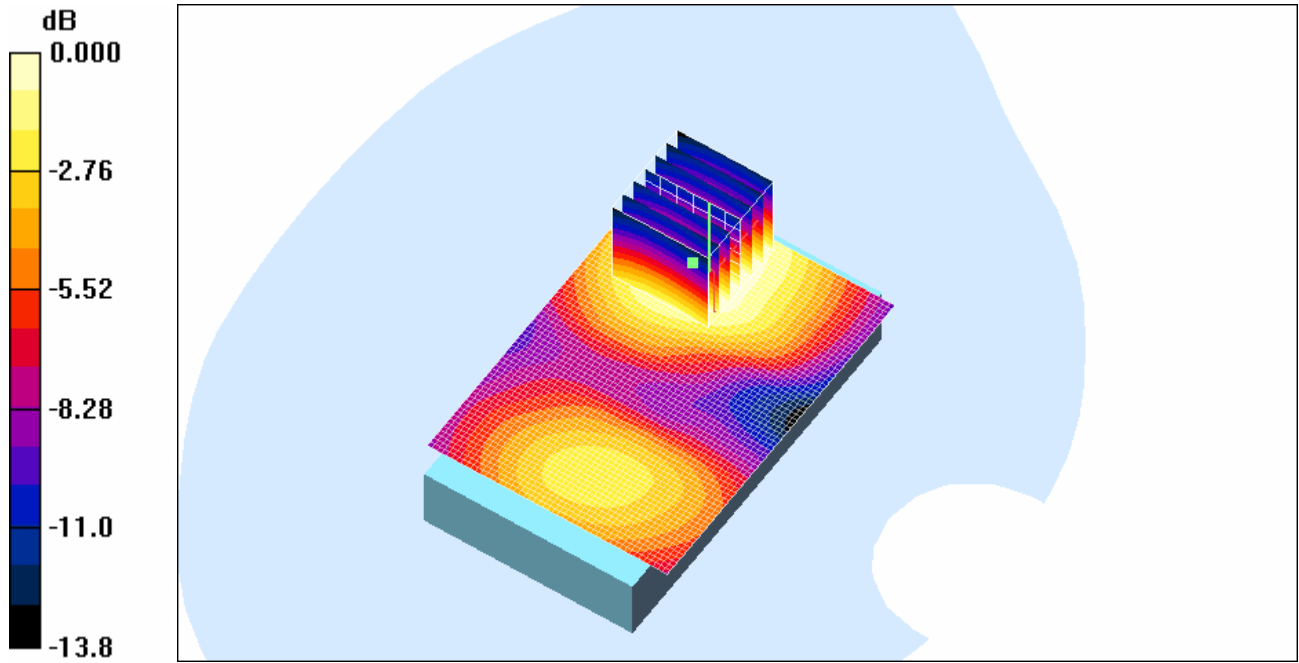
**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.321 mW/g**

Maximum value of SAR (measured) = 0.538 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.552 mW/g

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0 dB = 0.538mW/g

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Test Laboratory: RTS

**Body\_Holster2\_Back\_GPRS1900\_Mid\_Chan\_Amb\_Tem\_24\_4\_Liq\_Tem\_22\_8  
Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.54 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.757 W/kg

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.321 mW/g**

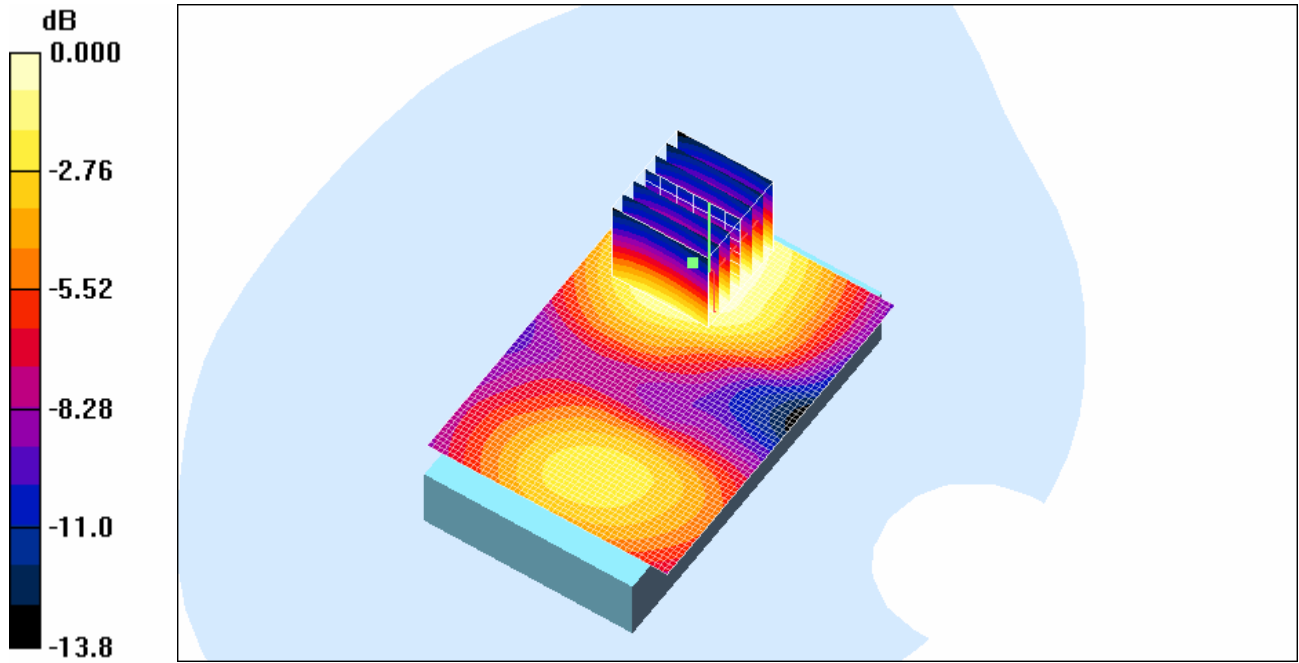
Maximum value of SAR (measured) = 0.538 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.552 mW/g



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0 dB = 0.538mW/g

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Test Laboratory: RTS

**Body\_Holster1\_Back\_GPRS1900\_Mid\_Chan\_Amb\_Tem\_24\_4\_Liq\_Tem\_22\_8  
Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.54 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.757 W/kg

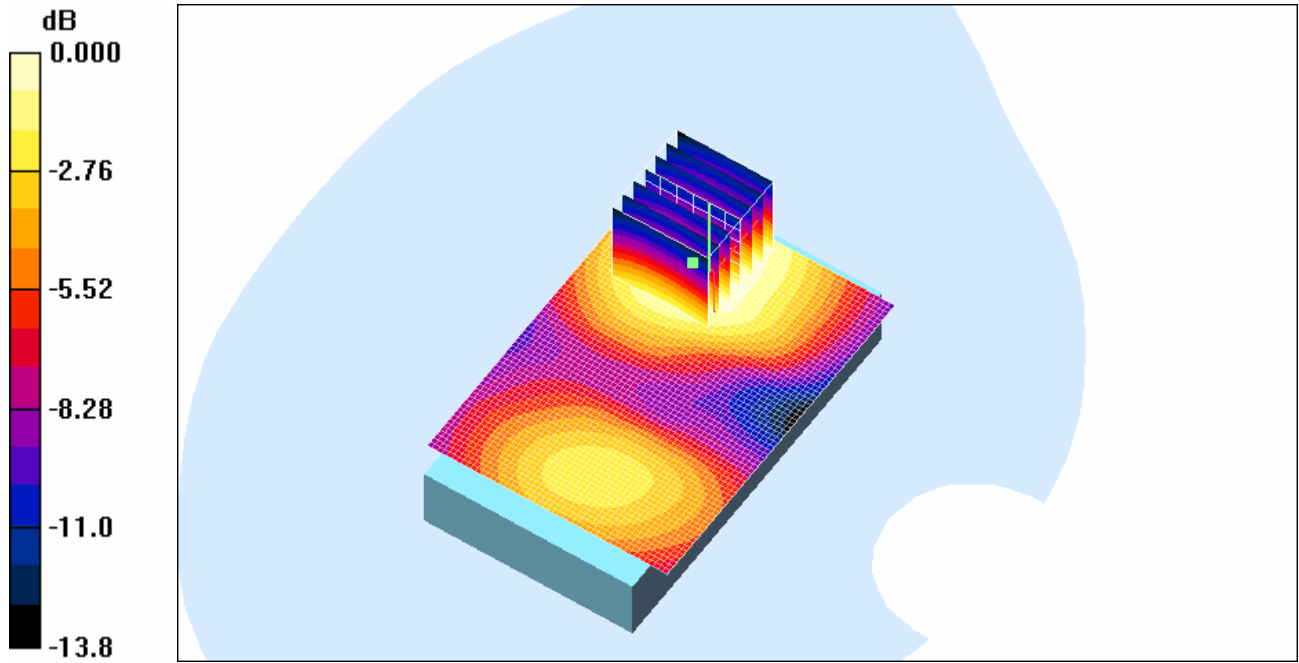
**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.321 mW/g**

Maximum value of SAR (measured) = 0.538 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.552 mW/g

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Test Laboratory: RTS

**Body\_Holster\_Front\_GPRS1900\_Mid\_Chan\_Amb\_Tem\_24\_9\_Liq\_Tem\_23\_2  
Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.93 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.697 W/kg

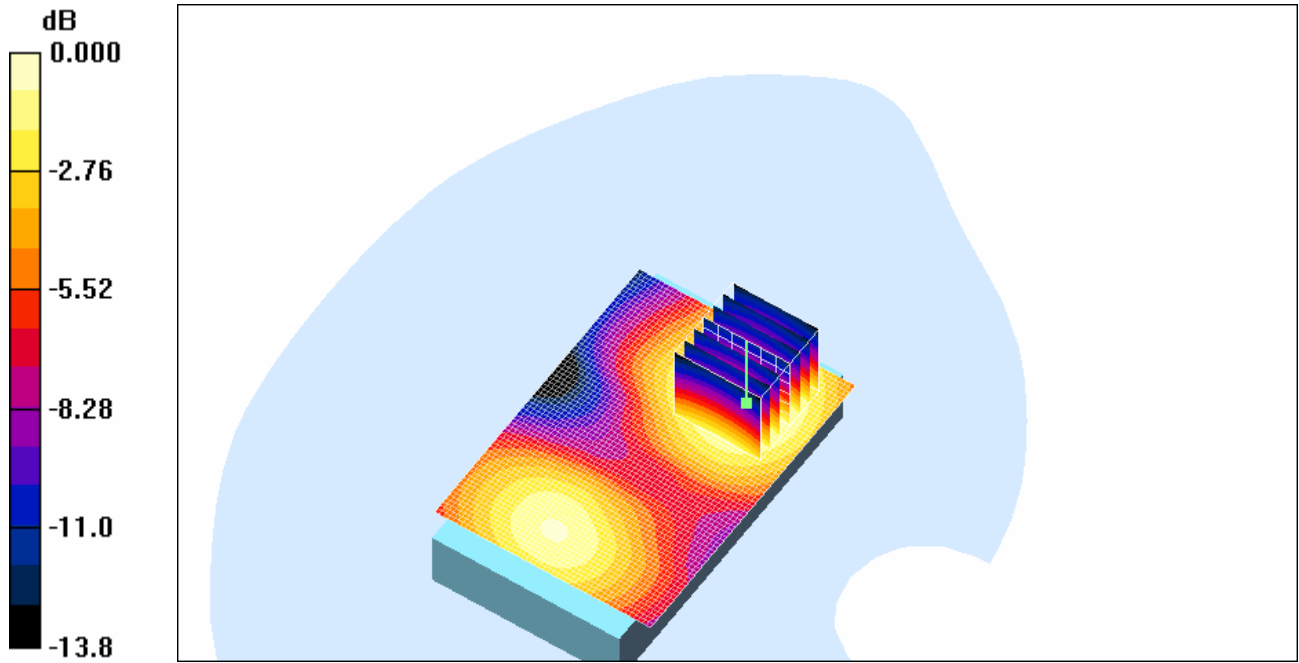
**SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.275 mW/g**

Maximum value of SAR (measured) = 0.469 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

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Test Laboratory: RTS

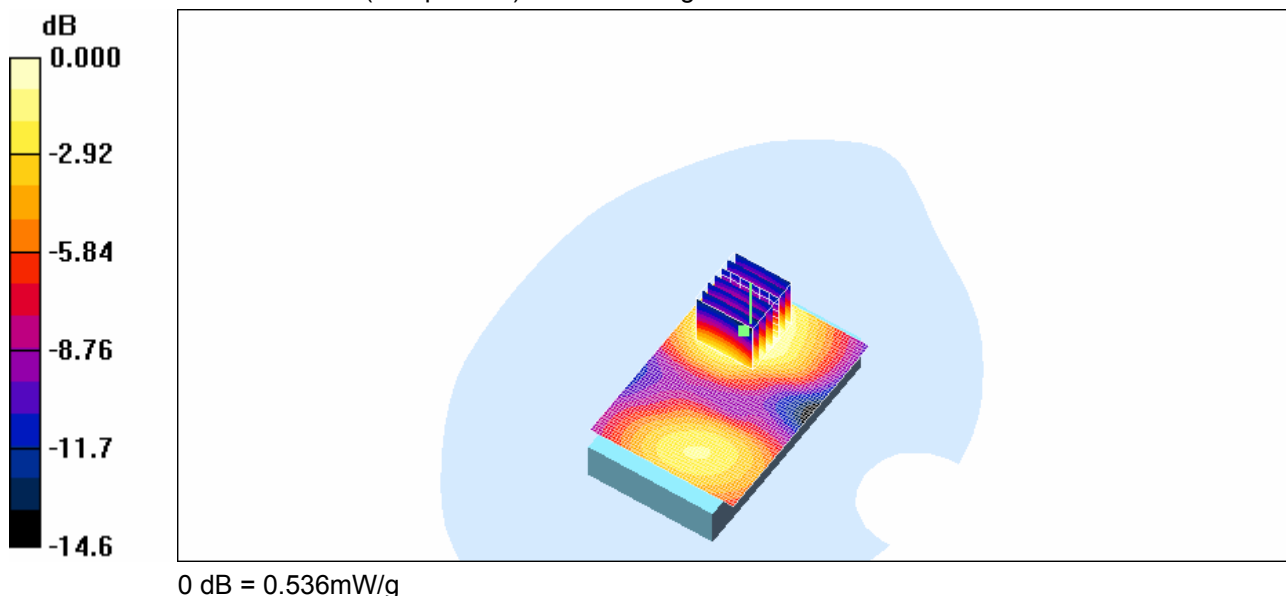
**Body\_Holster2\_Headset1\_BT\_ON\_Back\_**  
**GPRS1900\_Mid\_Chan\_Amb\_Tem\_25\_0\_Liq\_Tem\_23\_4\_Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**  
Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 7.49 V/m; Power Drift = -0.124 dB  
Peak SAR (extrapolated) = 0.744 W/kg  
**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.314 mW/g**  
Maximum value of SAR (measured) = 0.536 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.542 mW/g



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Test Laboratory: RTS

**Body\_25mm\_Back\_GPRS1900\_Mid\_Chan\_Amb\_Tem\_24\_9\_Liq\_Tem\_23\_3  
Deg\_Cel\_10\_Nov\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 50.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.67, 4.67, 4.67); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**d=15mm, body SAR/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.76 V/m; Power Drift = -0.065 dB

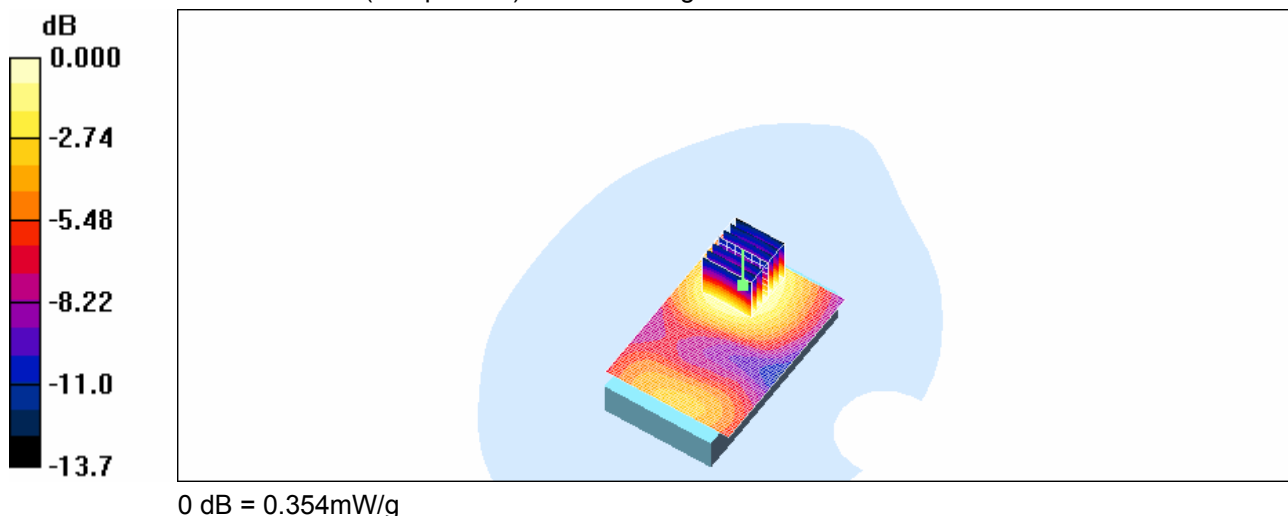
Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.210 mW/g**

Maximum value of SAR (measured) = 0.354 mW/g

**d=15mm, body SAR/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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





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Test Laboratory: RTS

**P1528-Body\_Worn\_Hoster\_Back\_802\_11b\_mid\_chan\_amb\_temp\_24.3\_liquid\_temp\_22.0\_Deg\_Cel\_20\_Oct\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

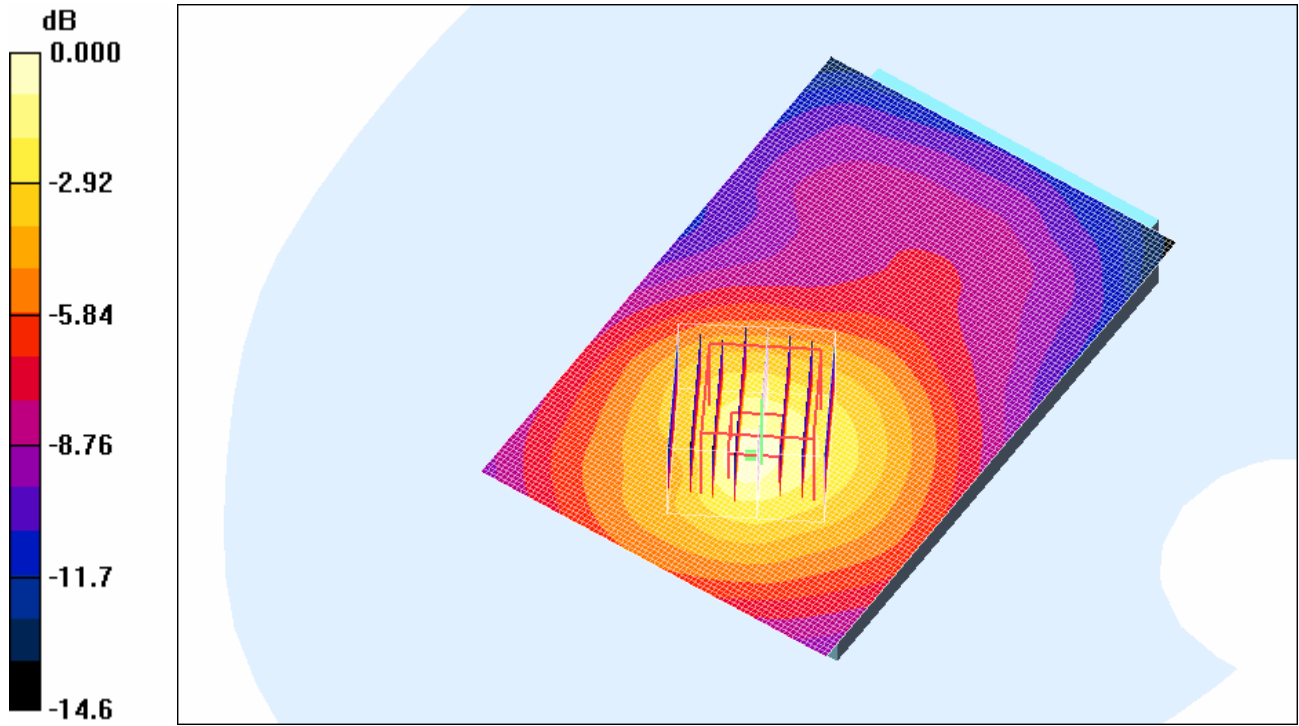
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.96 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.94, 6.94, 6.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Body worn position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 0.243 mW/g

**Body worn position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  
 $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 4.81 V/m; Power Drift = -0.089 dB  
Peak SAR (extrapolated) = 0.332 W/kg  
**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.087 mW/g**  
Maximum value of SAR (measured) = 0.247 mW/g

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0 dB = 0.247mW/g

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Test Laboratory: RTS

**P1528-Body\_Worn\_Hoster\_Front\_802\_11b\_mid\_chan\_amb\_temp\_24.2\_liquid\_temp\_22.5\_Deg\_Cel\_20\_Oct\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

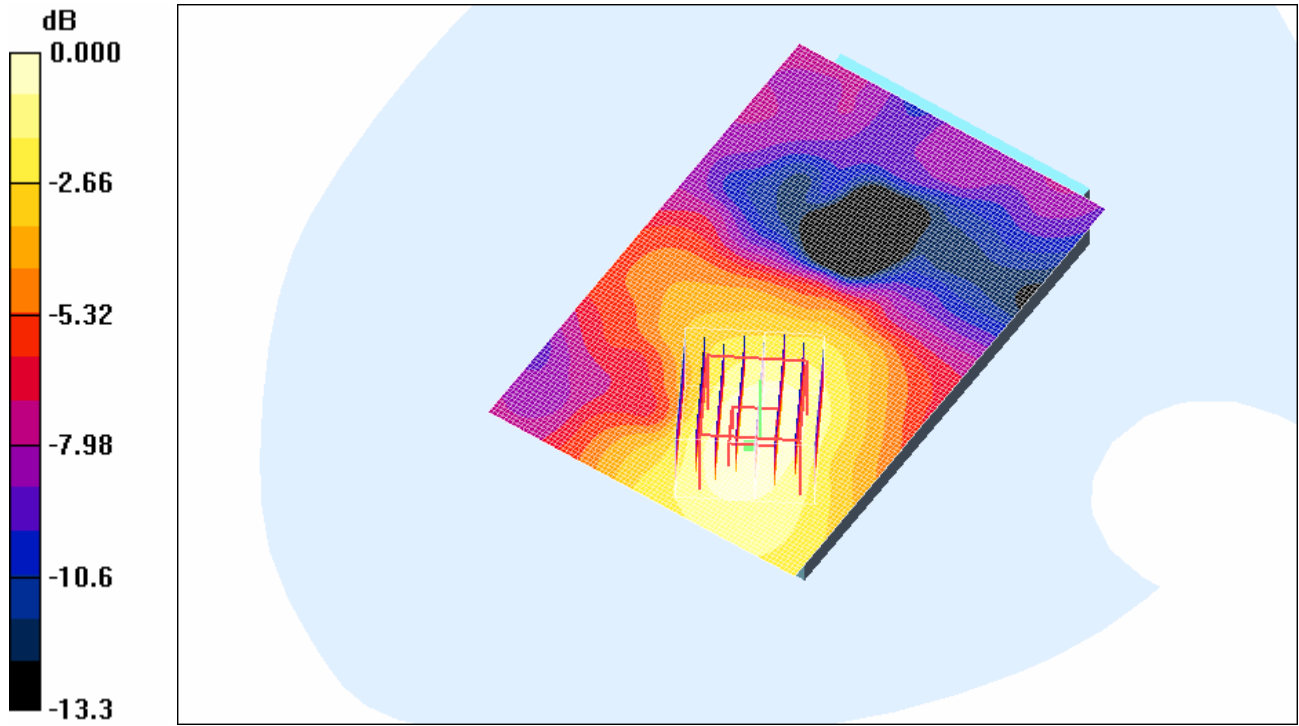
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.96 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.94, 6.94, 6.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Body worn position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 0.047 mW/g

**Body worn position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  
 $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 1.76 V/m; Power Drift = -0.189 dB  
Peak SAR (extrapolated) = 0.060 W/kg  
**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.019 mW/g**  
Maximum value of SAR (measured) = 0.047 mW/g

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0 dB = 0.047mW/g

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Test Laboratory: RTS

**P1528-Body\_Worn\_25mm\_Back\_802\_11b\_mid\_chan\_amb\_temp\_24.4\_liquid\_temp\_22.5\_Deg\_Cel\_20\_Oct\_06**

**DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified**

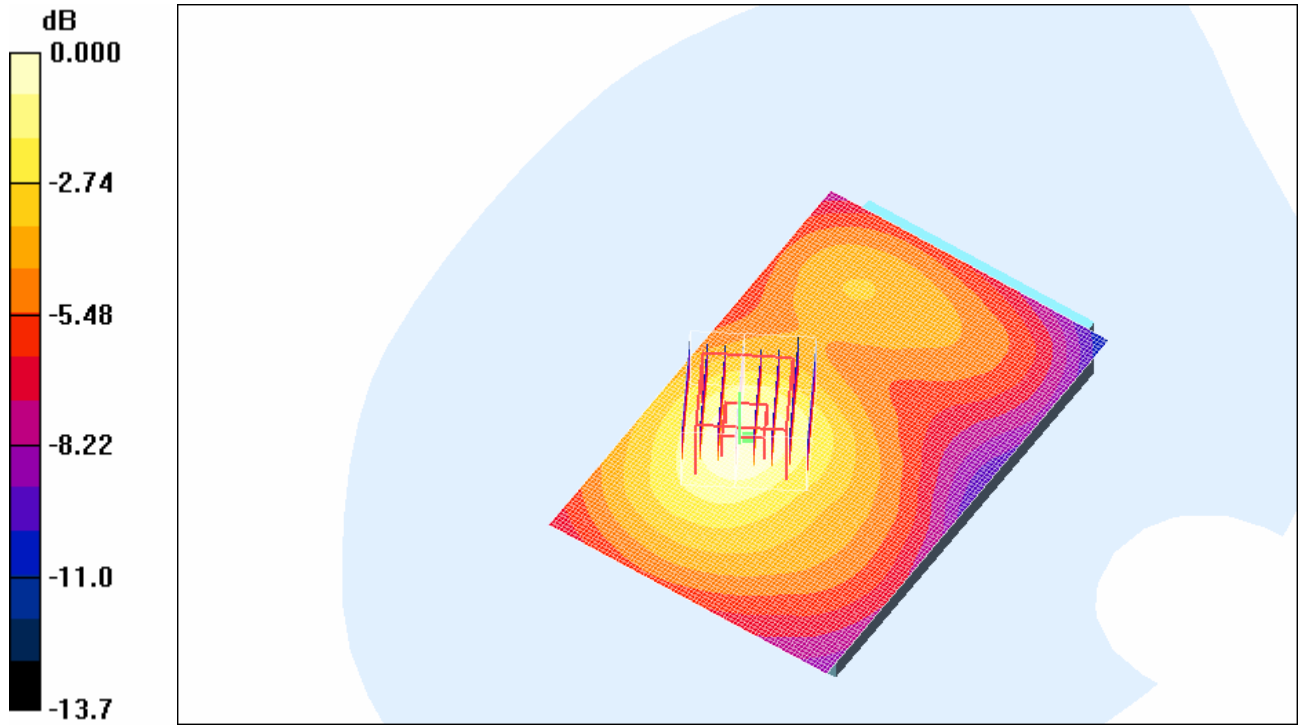
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.96 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.94, 6.94, 6.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Body worn position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 0.255 mW/g

**Body worn position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  
 $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 6.07 V/m; Power Drift = 0.164 dB  
Peak SAR (extrapolated) = 0.329 W/kg  
**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.104 mW/g**  
Maximum value of SAR (measured) = 0.252 mW/g

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0 dB = 0.252mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_802\_11a\_low\_band\_low\_chan\_amb\_temp\_24\_5\_liquid\_temp\_2  
3\_3\_Deg\_Cel\_23\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

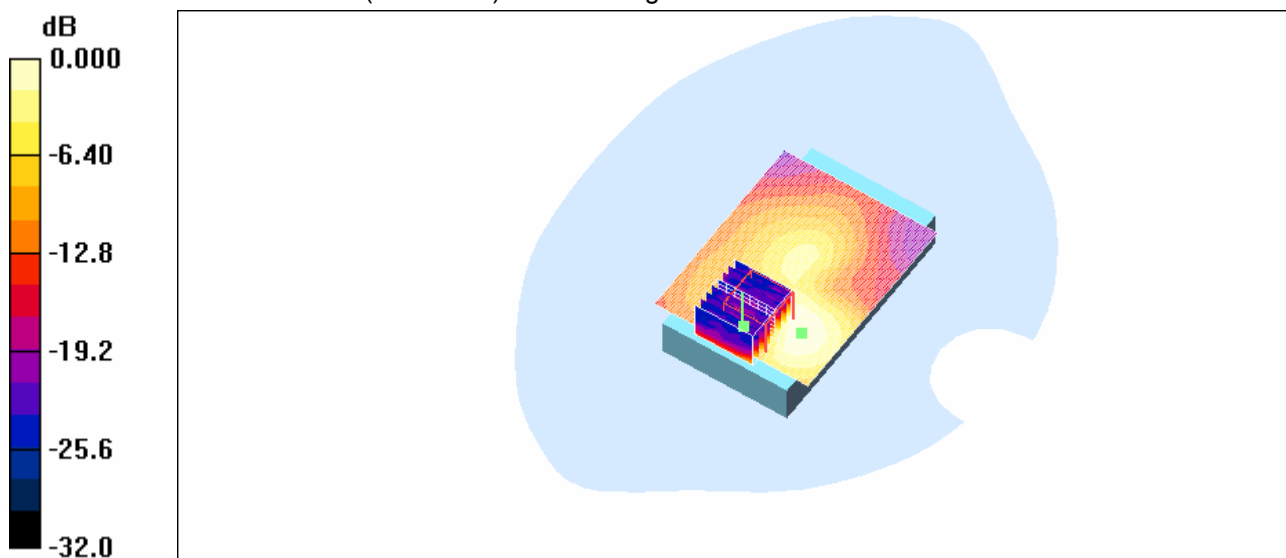
Communication System: 802.11 a (5500); Frequency: 5180 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.55$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x101x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.36 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
 Reference Value = 11.5 V/m; Power Drift = 0.117 dB  
 Peak SAR (extrapolated) = 2.45 W/kg  
**SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 1.17 mW/g



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0 dB = 1.17mW/g



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Test Laboratory: RTS

**Body\_worn\_Holster\_Front\_802\_11a\_low\_band\_low\_chan\_amb\_temp\_24\_1\_liquid\_temp\_23\_1\_Deg\_Cel\_24\_Oct\_06**

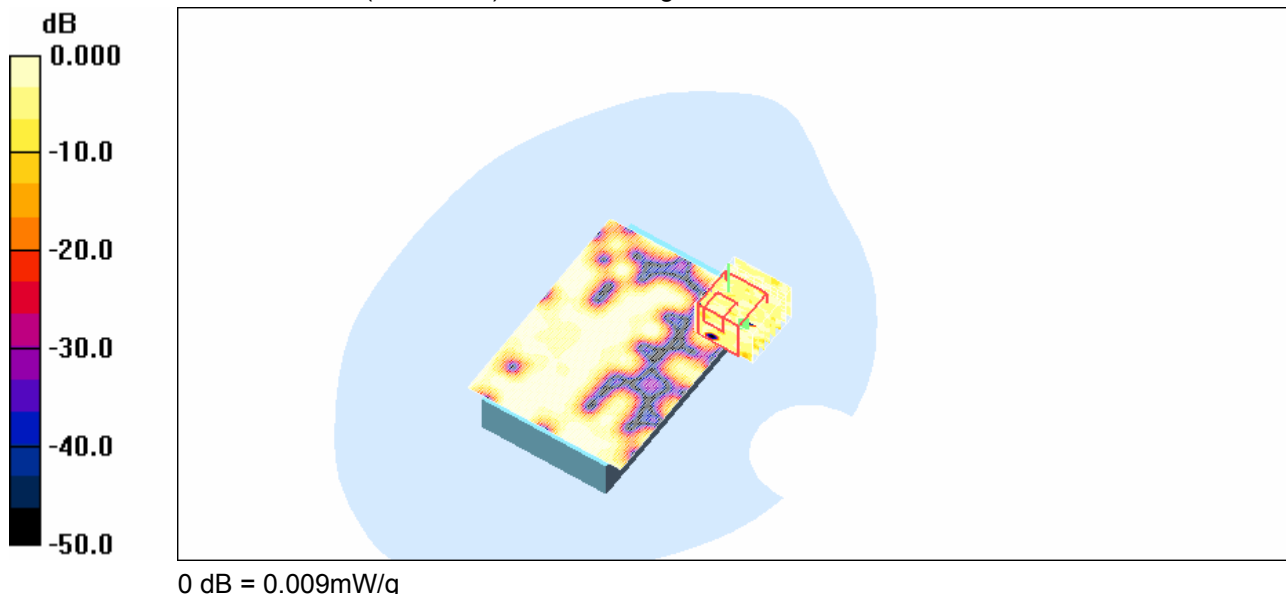
**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.55 \text{ mho/m}$ ;  $\epsilon_r = 47.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x111x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 0.020 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 1.09 V/m; Power Drift = -0.701 dB  
Peak SAR (extrapolated) = 0.017 W/kg  
**SAR(1 g) = 0.00277 mW/g; SAR(10 g) = 0.0016 mW/g**  
Maximum value of SAR (measured) = 0.009 mW/g



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Test Laboratory: RTS

**Body\_worn\_25mm\_Back\_802\_11a\_low\_band\_low\_chan\_amb\_temp\_24\_2\_liquid\_temp\_23\_0\_Deg\_Cel\_24\_Oct\_06**

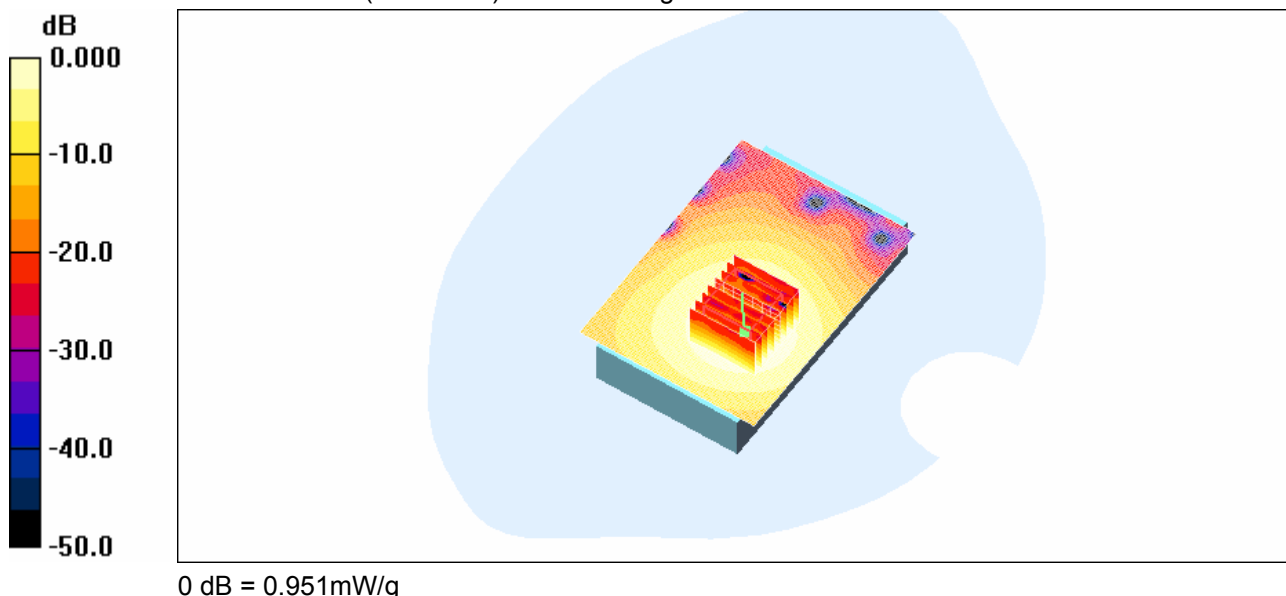
**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.55$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x111x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.969 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 9.81 V/m; Power Drift = -0.142 dB  
Peak SAR (extrapolated) = 1.61 W/kg  
**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.242 mW/g**  
Maximum value of SAR (measured) = 0.951 mW/g



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Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_802\_11a\_mid\_band\_low\_chan\_amb\_temp\_24\_6\_liquid\_temp\_2  
3\_1\_Deg\_Cel\_25\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.49 \text{ mho/m}$ ;  $\epsilon_r = 47$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

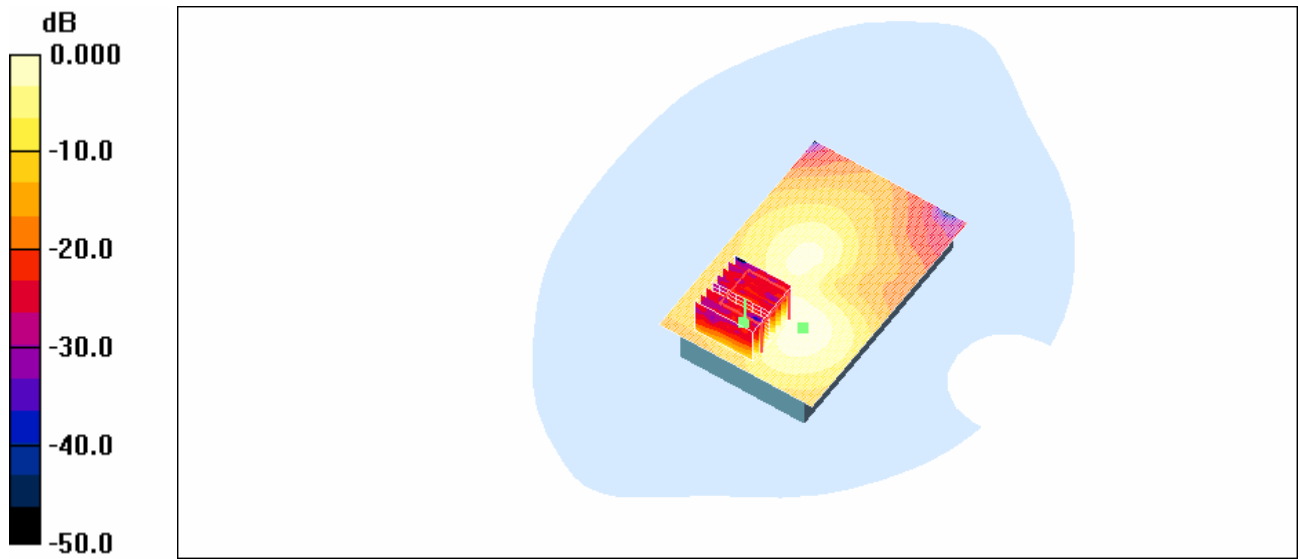
- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 1.54 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  
 $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 11.8 V/m; Power Drift = -0.686 dB  
Peak SAR (extrapolated) = 2.86 W/kg  
**SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.181 mW/g**

Maximum value of SAR (measured) = 1.52 mW/g

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0 dB = 1.52mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Front\_802\_11a\_mid\_band\_low\_chan\_amb\_temp\_25\_0\_liquid\_temp\_23\_4\_Deg\_Cel\_25\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

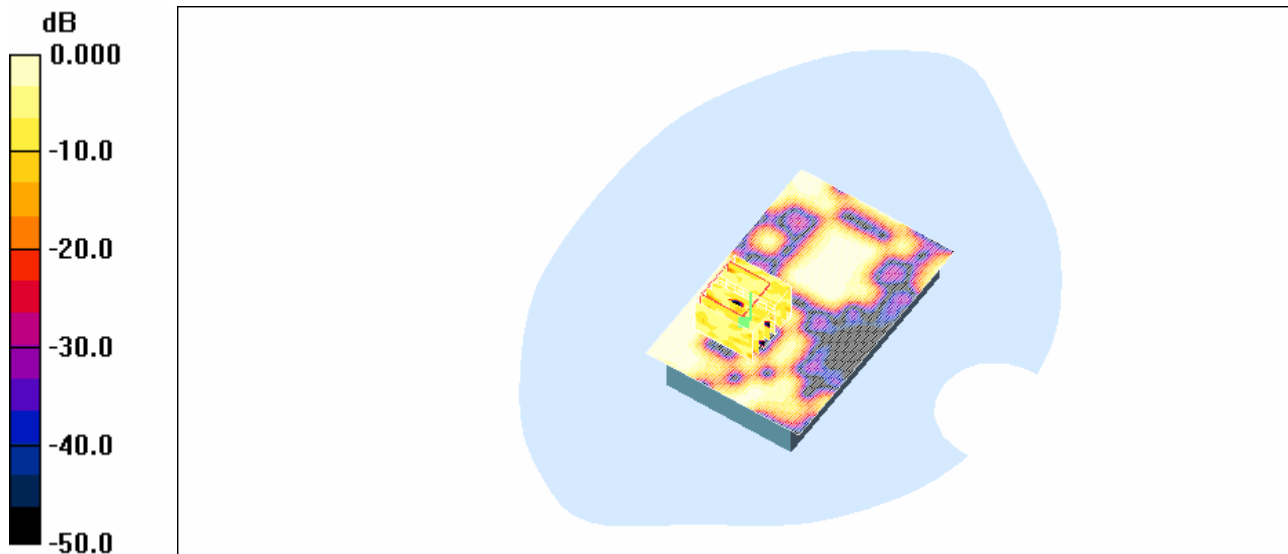
Communication System: 802.11 a (5500); Frequency: 5260 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.49 \text{ mho/m}$ ;  $\epsilon_r = 47$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section  
 DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (interpolated) = 0.033 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
 Reference Value = 0.778 V/m; Power Drift = 0.988 dB  
 Peak SAR (extrapolated) = 0.045 W/kg  
**SAR(1 g) = 0.0075 mW/g; SAR(10 g) = 0.00276 mW/g**

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



0 dB = 0.017mW/g

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Test Laboratory: RTS

**Body\_worn\_25mm\_Back\_802\_11a\_mid\_band\_5260Mhz\_amb\_temp\_25\_4\_liquid\_temp\_23\_6\_Deg\_Cel\_25\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.49 \text{ mho/m}$ ;  $\epsilon_r = 47$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

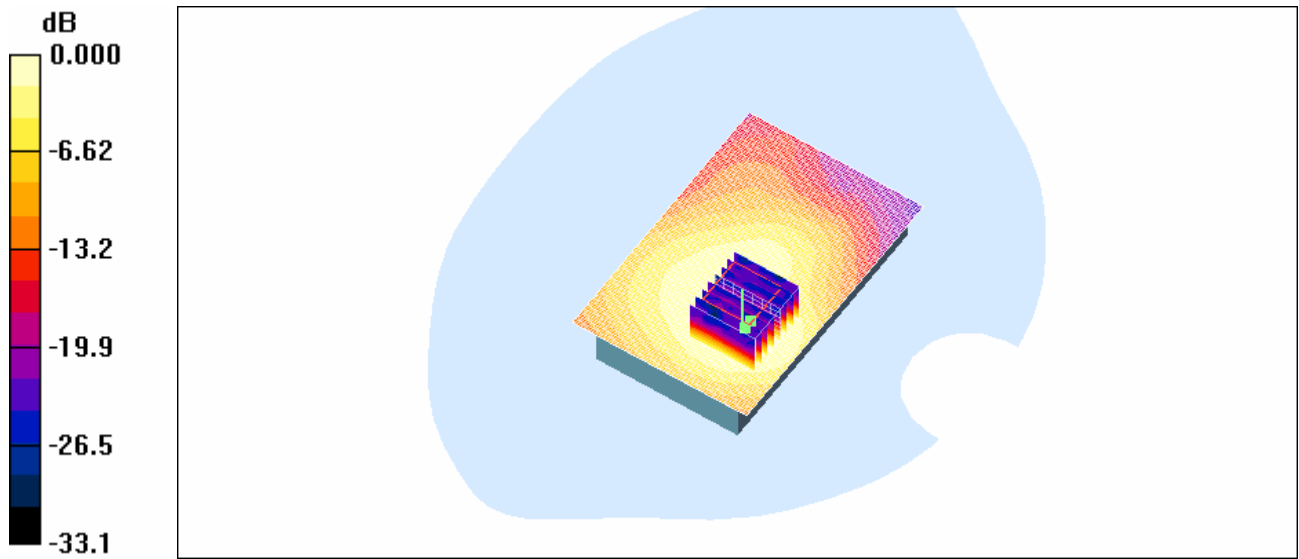
- Probe: EX3DV4 - SN3548; ConvF(4.94, 4.94, 4.94); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.58 mW/g

**Touch position - Middle/Area Scan 2 (41x61x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.52 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 18.3 V/m; Power Drift = -0.235 dB  
Peak SAR (extrapolated) = 2.98 W/kg  
**SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.357 mW/g**  
Maximum value of SAR (measured) = 1.52 mW/g

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0 dB = 1.52mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_upperl\_5680Mhz\_27\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5680$  MHz;  $\sigma = 5.89$  mho/m;  $\epsilon_r = 46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.49, 4.49, 4.49); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.07 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 12.7 V/m; Power Drift = -0.086 dB

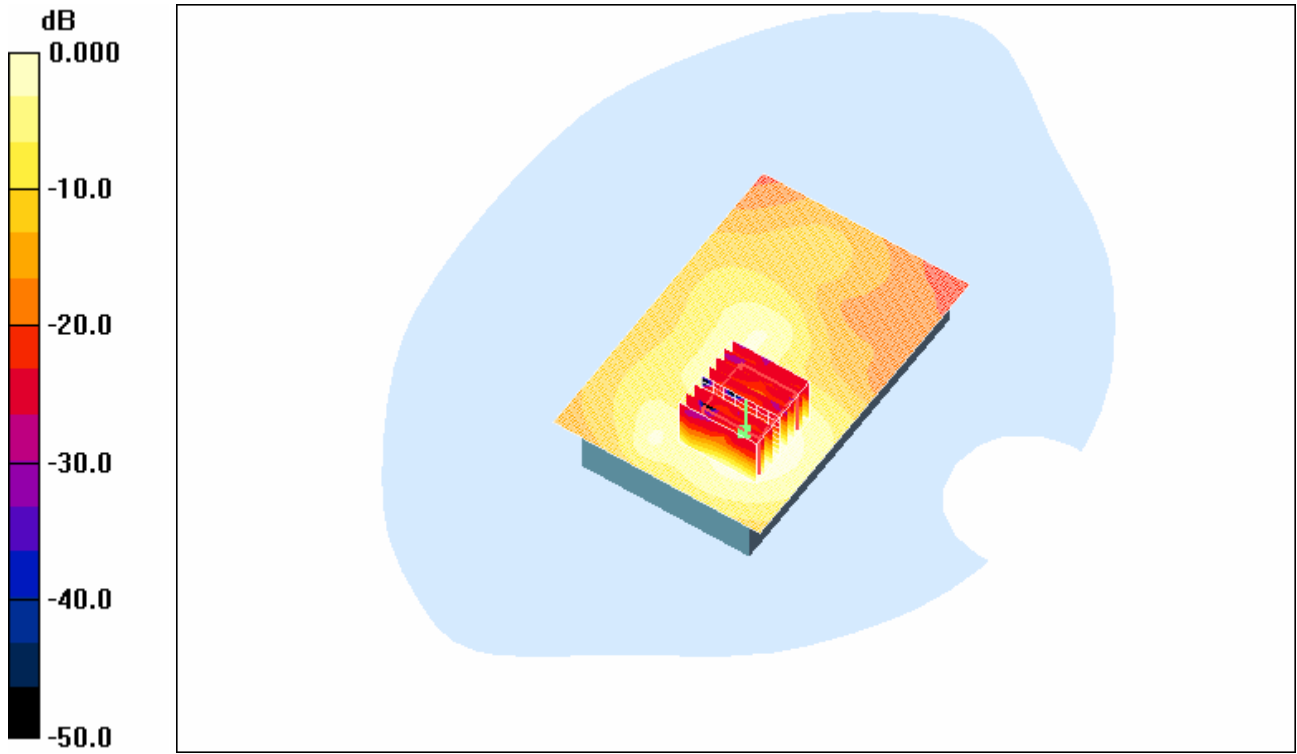
Peak SAR (extrapolated) = 3.54 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.422 mW/g**

Maximum value of SAR (measured) = 1.90 mW/g



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0 dB = 1.90mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Front\_upperl\_5680Mhz\_27\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5680 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5680$  MHz;  $\sigma = 5.89$  mho/m;  $\epsilon_r = 46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.49, 4.49, 4.49); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.029 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

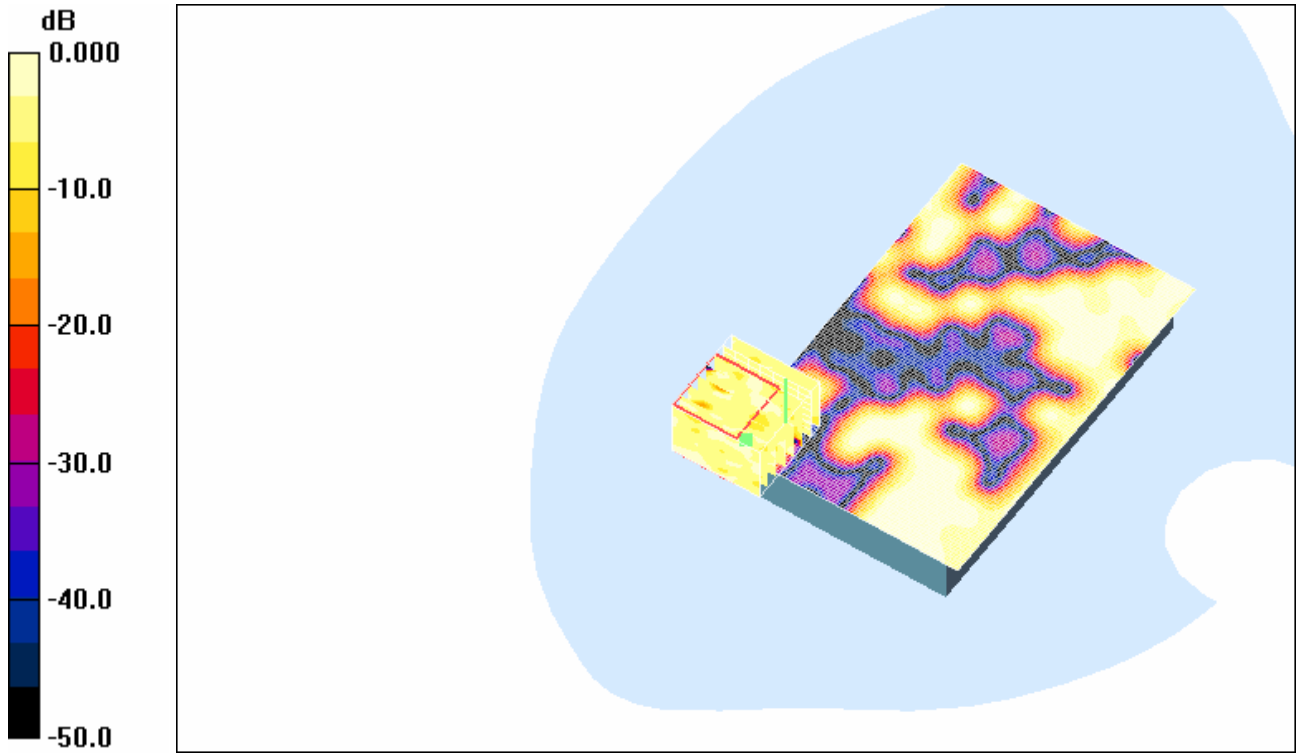
Reference Value = 0.690 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.060 W/kg

**SAR(1 g) = 0.00688 mW/g; SAR(10 g) = 0.00288 mW/g**

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

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0 dB = 0.014mW/g

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Test Laboratory: RTS

**Body\_worn\_25mm\_Back\_upperl\_band\_5680Mhz\_27\_Oct\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5680 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5680$  MHz;  $\sigma = 5.89$  mho/m;  $\epsilon_r = 46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.49, 4.49, 4.49); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.74 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

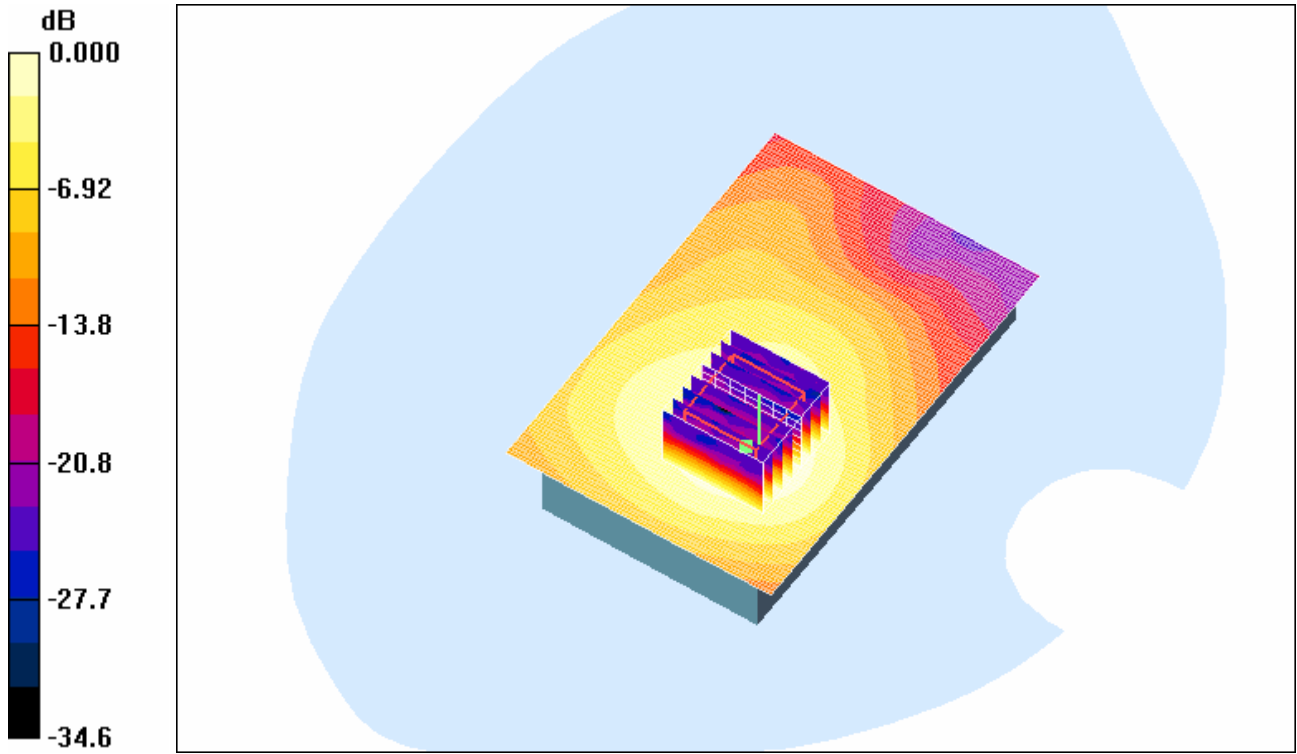
Reference Value = 11.6 V/m; Power Drift = -0.270 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.389 mW/g**

Maximum value of SAR (measured) = 1.63 mW/g

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0 dB = 1.63mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_802\_11a\_upperII\_band\_5745Mhz\_amb\_temp\_24\_3\_liquid\_temp\_23\_0\_Deg\_Cel\_03\_Nov\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.38 \text{ mho/m}$ ;  $\epsilon_r = 45.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

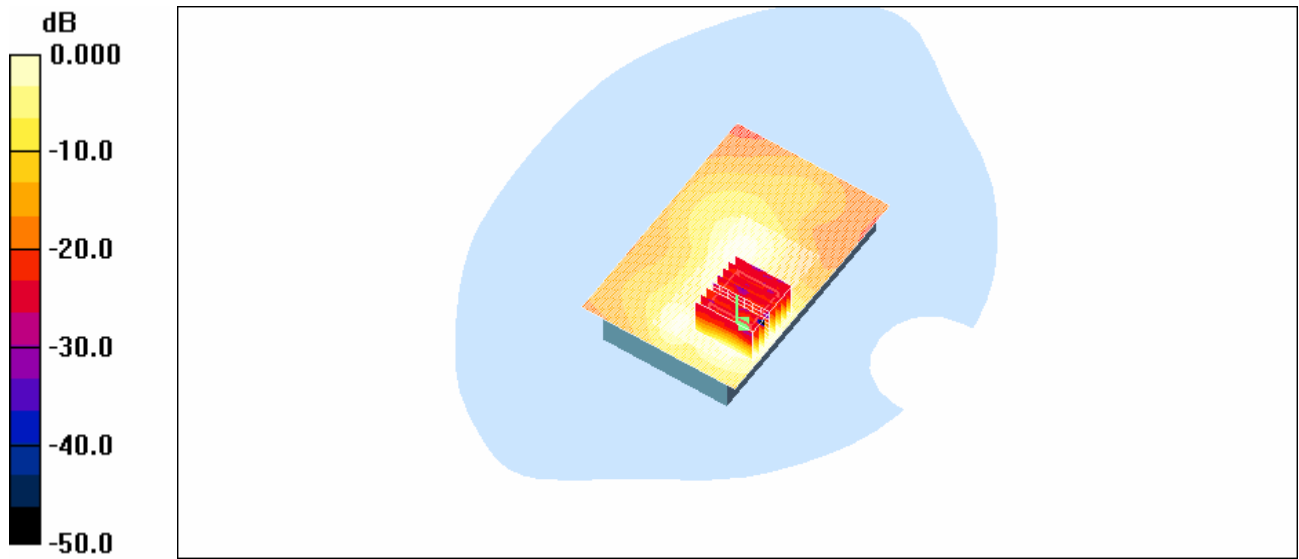
- Probe: EX3DV4 - SN3548; ConvF(4.37, 4.37, 4.37); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 1.90 mW/g

**Touch position - Middle/Area Scan 2 (41x71x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 2.11 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  
 $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$   
Reference Value = 18.6 V/m; Power Drift = -0.411 dB  
Peak SAR (extrapolated) = 3.34 W/kg  
**SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.387 mW/g**  
Maximum value of SAR (measured) = 1.77 mW/g

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0 dB = 1.77mW/g

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Date/Time: 27/10/2006 2:20:05 PM

Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_802\_11a\_upperII\_band\_5805Mhz\_amb\_temp\_24\_2\_liquid\_temp\_23\_0\_deg\_cel**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5805 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5805 \text{ MHz}$ ;  $\sigma = 6.38 \text{ mho/m}$ ;  $\epsilon_r = 45.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

DASY4 Configuration:

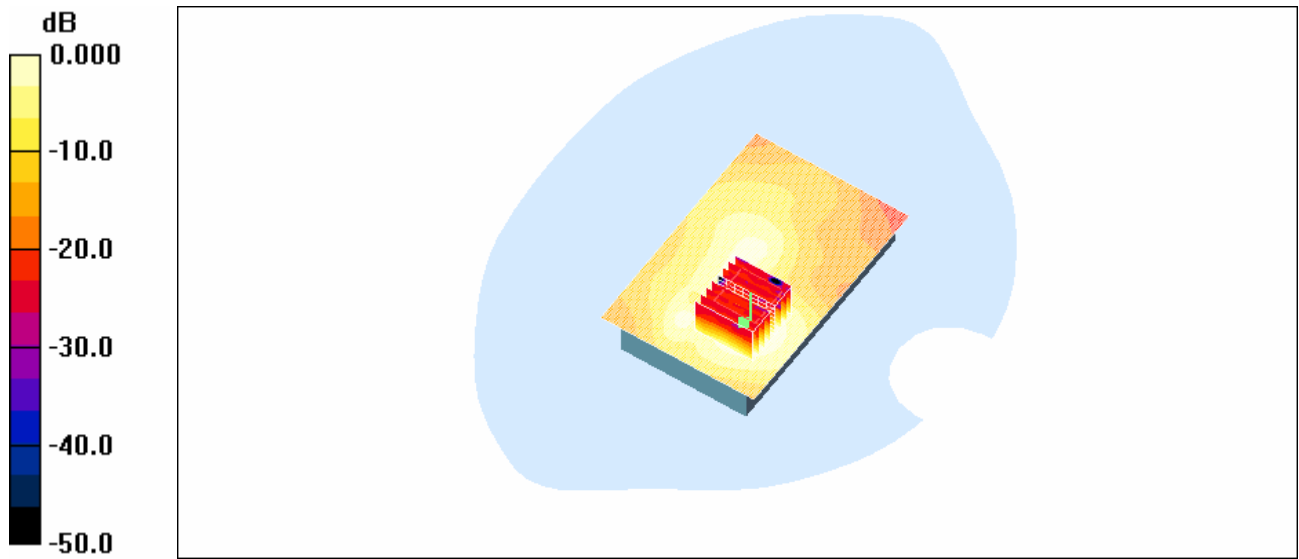
- Probe: EX3DV4 - SN3548; ConvF(4.37, 4.37, 4.37); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.97 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 12.3 V/m; Power Drift = -0.656 dB  
Peak SAR (extrapolated) = 2.99 W/kg  
**SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.370 mW/g**  
Maximum value of SAR (measured) = 1.64 mW/g



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0 dB = 1.64mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Front\_802\_11a\_upperII\_band\_5745Mhz\_amb\_temp\_25\_7\_liquid\_temp\_23\_3 Deg\_Cel\_03\_Nov\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.38 \text{ mho/m}$ ;  $\epsilon_r = 45.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.37, 4.37, 4.37); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.030 mW/g

**Touch position - Middle/Area Scan 2 (41x61x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.032 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

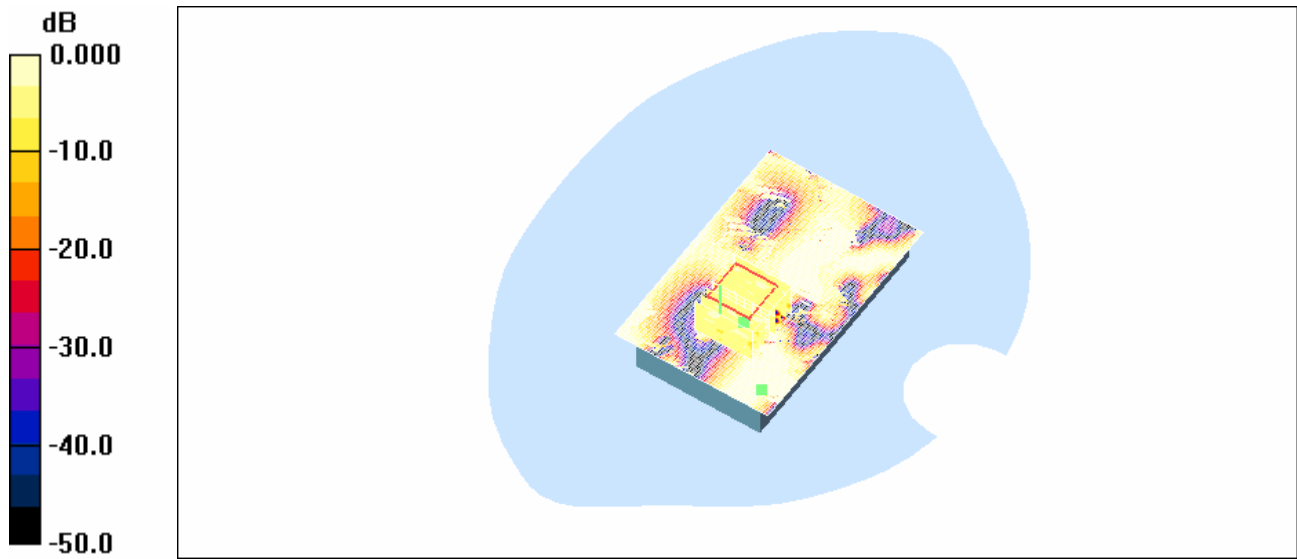
Reference Value = 1.83 V/m; Power Drift = 0.198 dB

Peak SAR (extrapolated) = 0.040 W/kg

**SAR(1 g) = 0.00373 mW/g; SAR(10 g) = 0.00117 mW/g**

Maximum value of SAR (measured) = 0.016 mW/g

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0 dB = 0.016mW/g

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Test Laboratory: RTS

**Body\_worn\_Holster\_Back\_Headset\_802\_11a\_upperll\_band\_5745Mhz\_amb\_temp\_25\_0\_liq  
uid\_temp\_23\_2\_Deg\_Cel\_03\_Nov\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

Communication System: 802.11 a (5500); Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.38 \text{ mho/m}$ ;  $\epsilon_r = 45.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

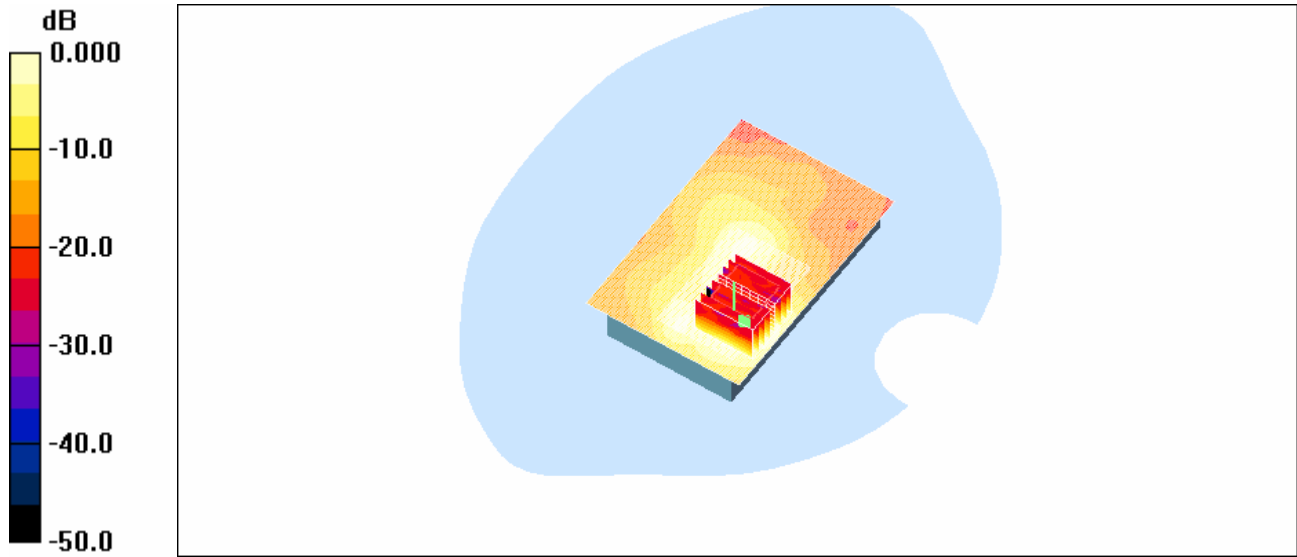
- Probe: EX3DV4 - SN3548; ConvF(4.37, 4.37, 4.37); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.68 mW/g

**Touch position - Middle/Area Scan 2 (41x61x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.77 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm,  
dy=4.3mm, dz=3mm  
Reference Value = 17.4 V/m; Power Drift = -0.123 dB  
Peak SAR (extrapolated) = 3.16 W/kg  
**SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.358 mW/g**  
Maximum value of SAR (measured) = 1.63 mW/g

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0 dB = 1.63mW/g

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Test Laboratory: RTS

**Body\_worn\_Back\_25mm\_802\_11a\_upperII\_band\_5745Mhz\_amb\_temp\_25\_3\_liquid\_temp\_23\_1\_Deg\_Cel\_03\_Nov\_06**

**DUT: BlackBerry Wireless Handheld ; Type: Sample ; Serial: Not Specified**

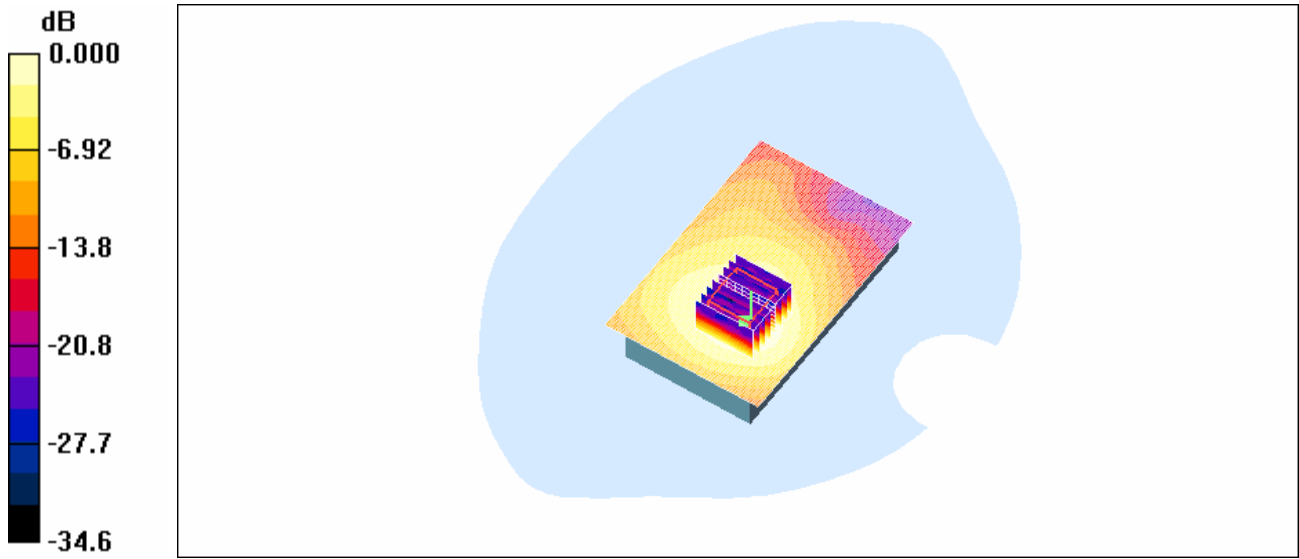
Communication System: 802.11 a (5500); Frequency: 5745 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.38 \text{ mho/m}$ ;  $\epsilon_r = 45.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.37, 4.37, 4.37); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

**Touch position - Middle/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.83 mW/g

**Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 11.5 V/m; Power Drift = -0.270 dB  
Peak SAR (extrapolated) = 3.22 W/kg  
**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.410 mW/g**  
Maximum value of SAR (measured) = 1.72 mW/g

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0 dB = 1.72mW/g

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**Z axis plots for the worst case body worn configuration:**

