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	Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15-August 20, 2009</b>	Test Report No <b>RTS-1689-0908-30</b>

**APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION**

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 11:11:34 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE850\\_low\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_22.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.871 \text{ mho/m}$ ;  $\epsilon_r = 42.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section


DASY4 Configuration:

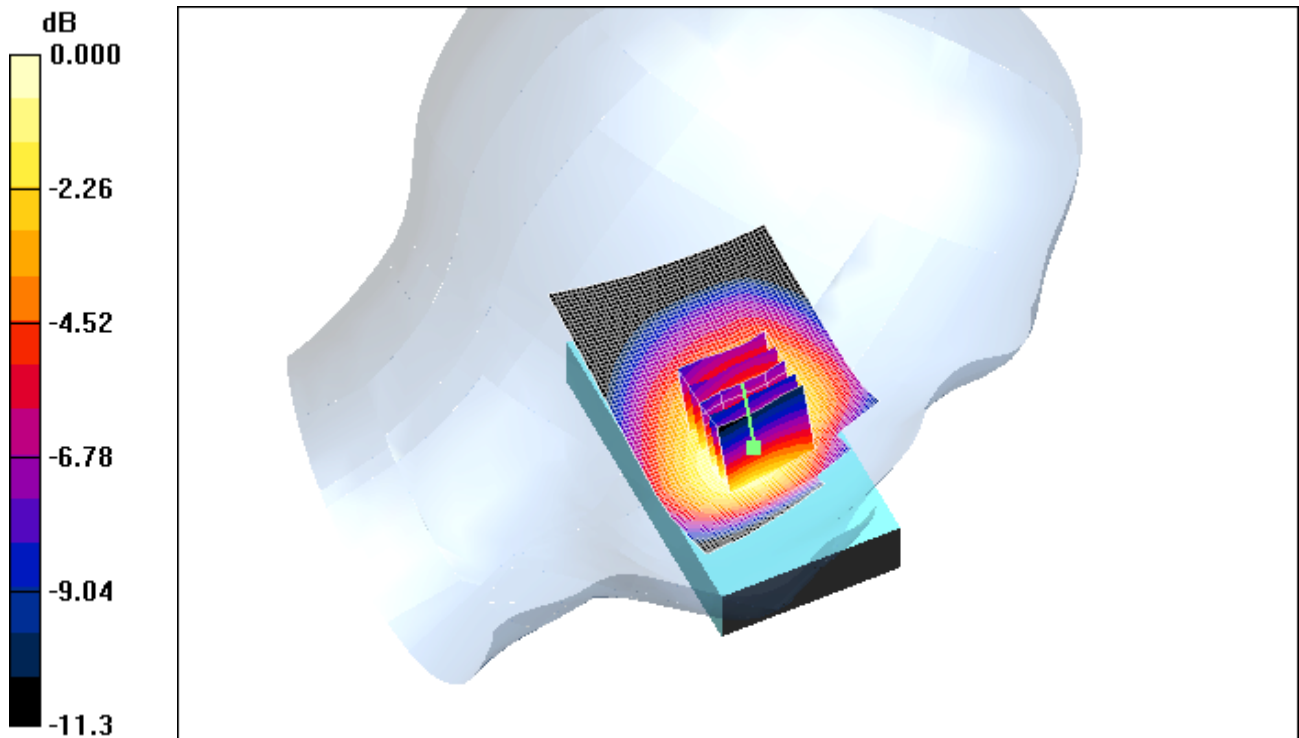
- Probe: ET3DV6 - SN1642; ConvF(6.06, 6.06, 6.06); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.07 mW/g


**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 12.1 V/m; Power Drift = -0.259 dB  
Peak SAR (extrapolated) = 1.36 W/kg  
**SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.702 mW/g**

Maximum value of SAR (measured) = 1.06 mW/g

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0 dB = 1.06mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 11:27:56 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_23.7\\_liq\\_temp\\_22.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.07 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 11.8 V/m; Power Drift = -0.072 dB

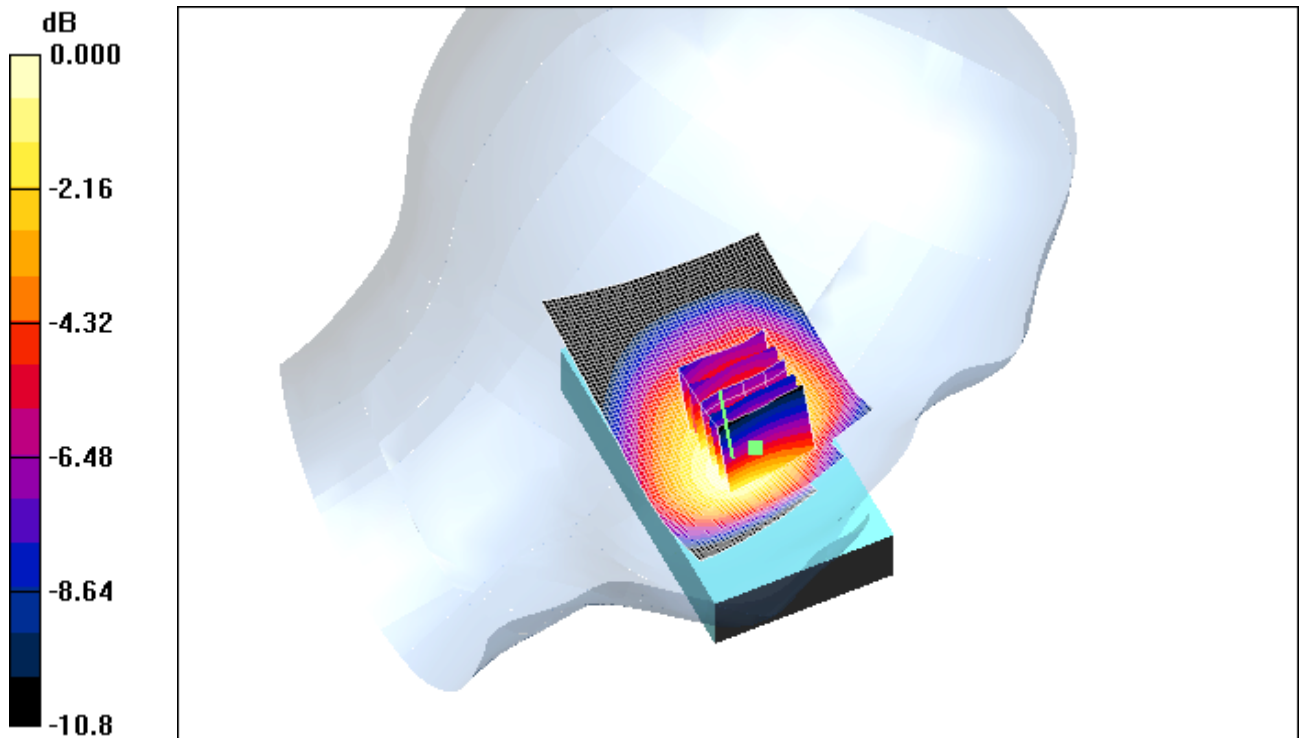
Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.706 mW/g**


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

Maximum value of SAR (measured) = 1.05 mW/g

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0 dB = 1.05mW/g

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Date/Time: 21/07/2009 11:41:31 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE850\\_high\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.893$  mho/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.16 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 12.2 V/m; Power Drift = -0.150 dB

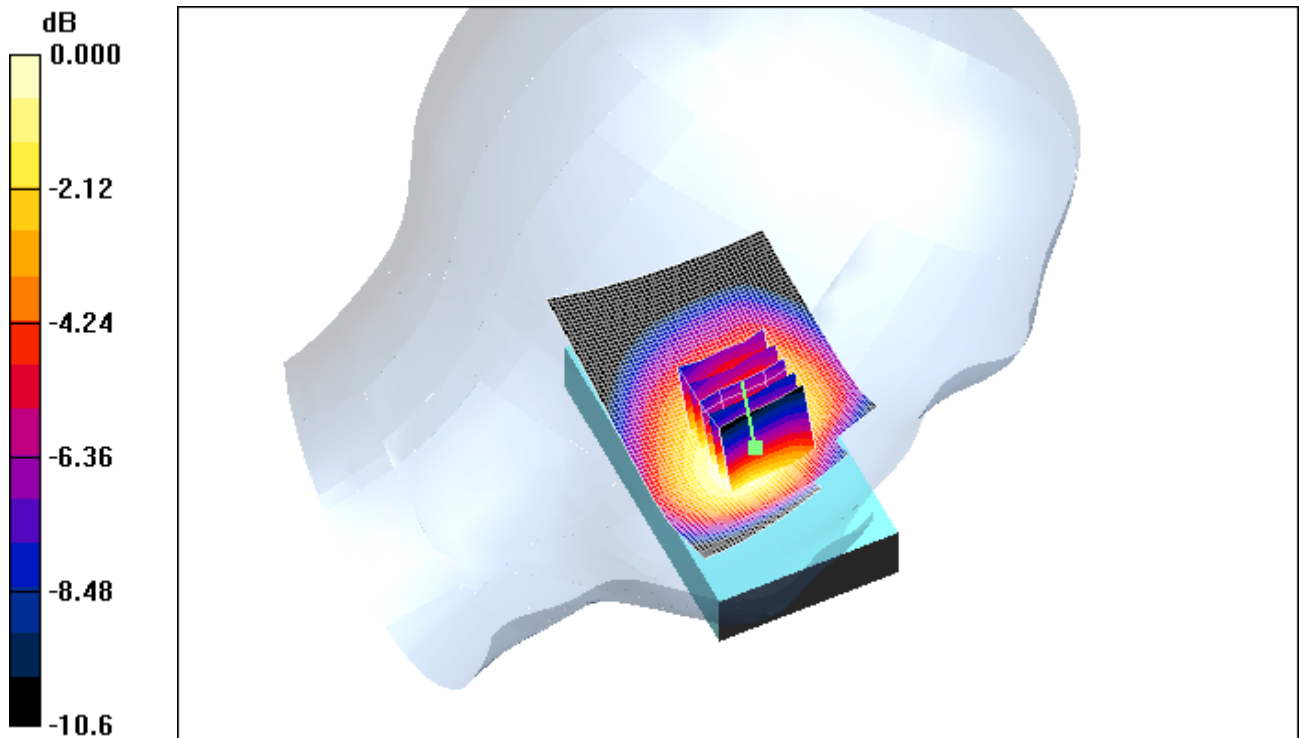
Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.769 mW/g**


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

Maximum value of SAR (measured) = 1.12 mW/g

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0 dB = 1.12mW/g

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Date/Time: 21/07/2009 12:18:07 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_GSM850\\_high\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.893$  mho/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.945 mW/g

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

Reference Value = 11.0 V/m; Power Drift = -0.172 dB


Peak SAR (extrapolated) = 1.19 W/kg

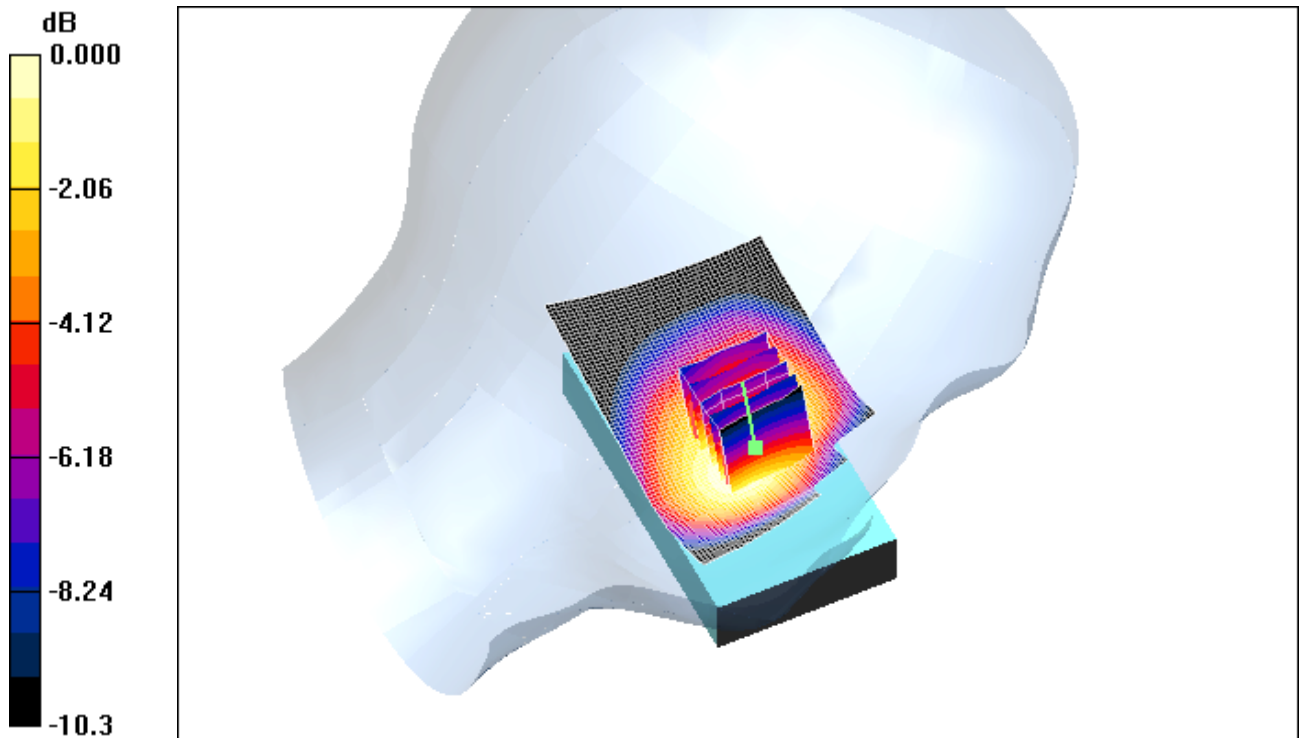
**SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.626 mW/g**

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


Maximum value of SAR (measured) = 0.920 mW/g



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0 dB = 0.920mW/g

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Date/Time: 21/07/2009 12:49:04 PM

Test Laboratory: RTS

File Name:

[LeftHandSide\\_Tilt\\_EDGE850\\_high\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.711 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 18.3 V/m; Power Drift = -0.077 dB

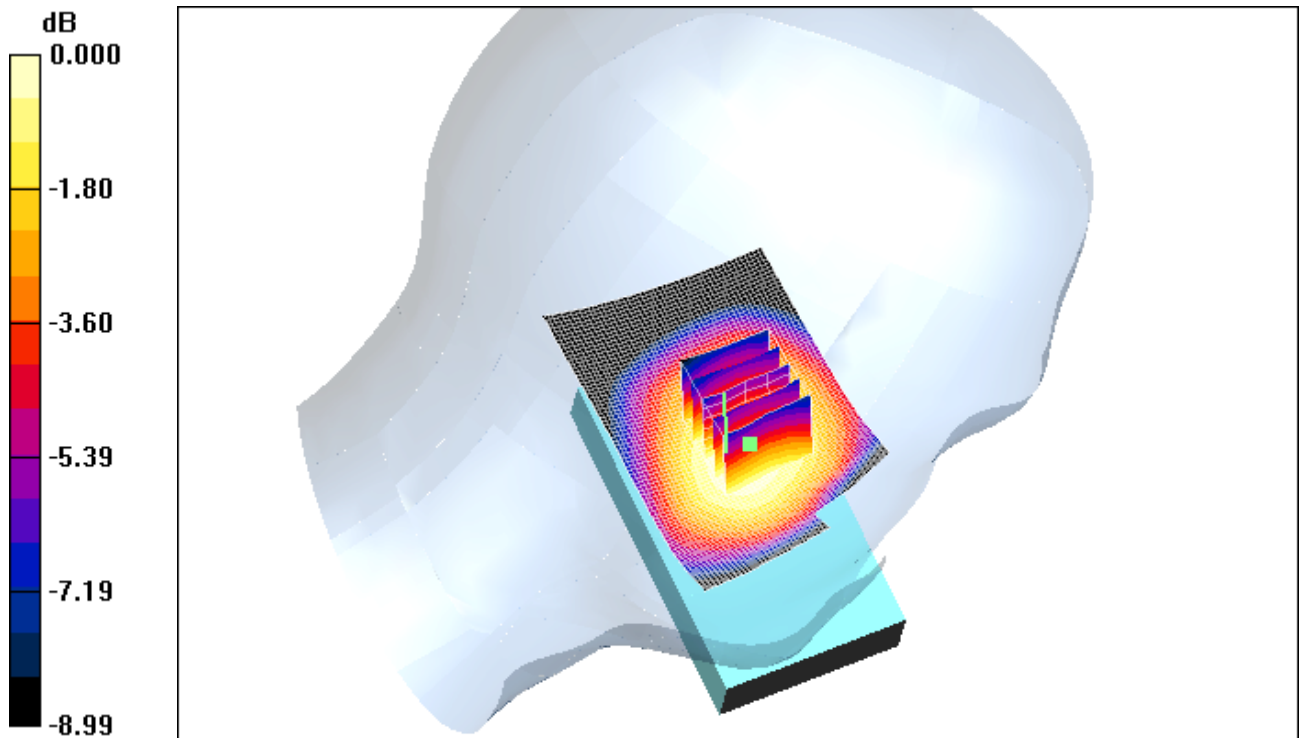
Peak SAR (extrapolated) = 0.795 W/kg

**SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.513 mW/g**


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

Maximum value of SAR (measured) = 0.692 mW/g

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0 dB = 0.692mW/g

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Date/Time: 21/07/2009 2:33:39 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_EDGE850\\_low\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.871 \text{ mho/m}$ ;  $\epsilon_r = 42.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 1.21 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
 $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 12.9 V/m; Power Drift = -0.347 dB  
Peak SAR (extrapolated) = 1.40 W/kg  
**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.805 mW/g**

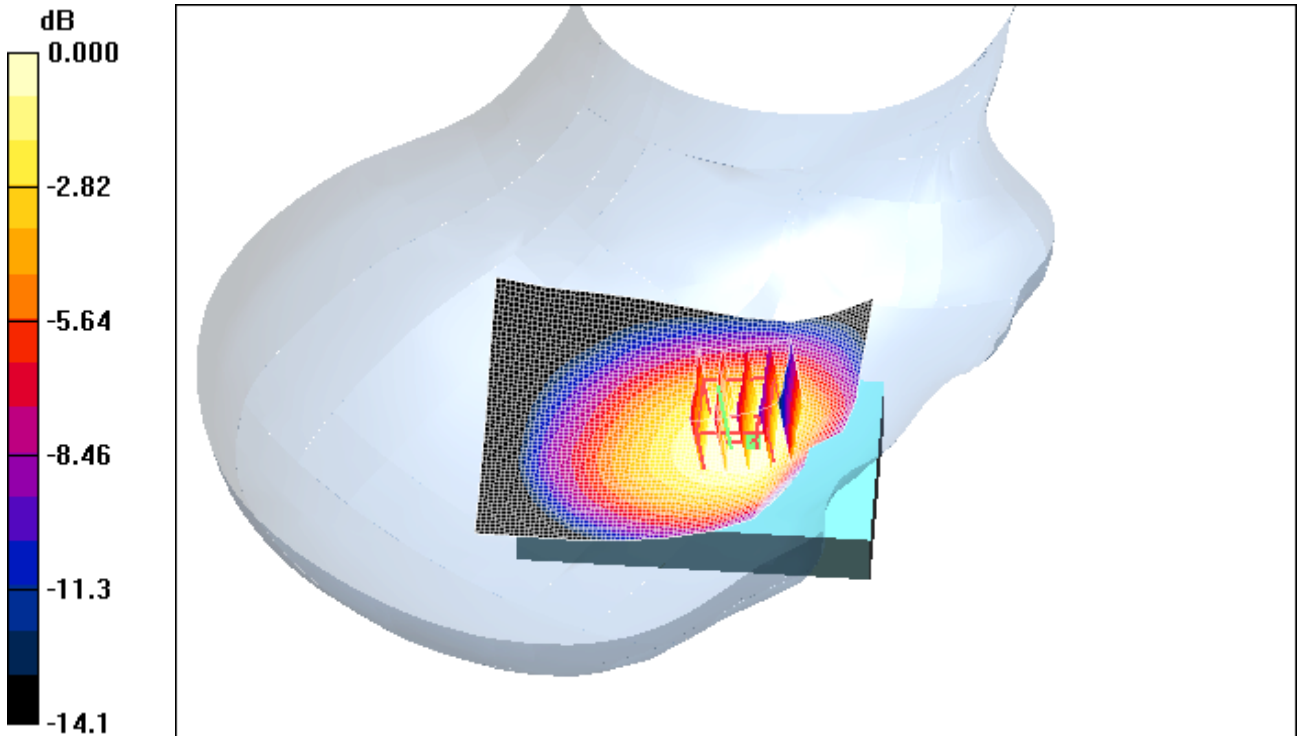
Maximum value of SAR (measured) = 1.18 mW/g

Author Data  
**Andrew Becker**


Dates of Test  
**July 15-August 20, 2009**

Test Report No  
**RTS-1689-0908-30**

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**L6ARCM70UW**



0 dB = 1.18mW/g

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Date/Time: 21/07/2009 2:49:35 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_23.2\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.20 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 12.5 V/m; Power Drift = -0.099 dB

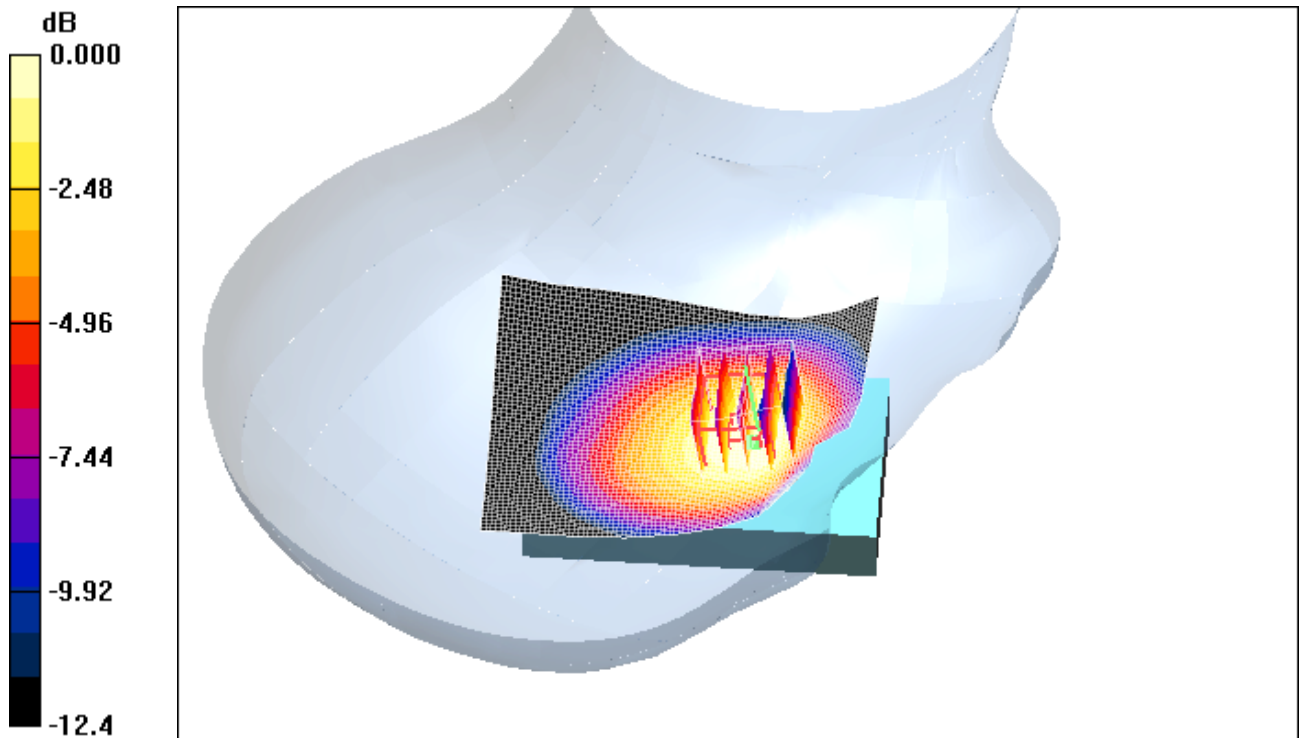
Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.811 mW/g**


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

Maximum value of SAR (measured) = 1.18 mW/g

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0 dB = 1.18mW/g

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Date/Time: 21/07/2009 3:06:08 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_EDGE850\\_high\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.893$  mho/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.31 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 13.3 V/m; Power Drift = -0.066 dB


Peak SAR (extrapolated) = 1.54 W/kg

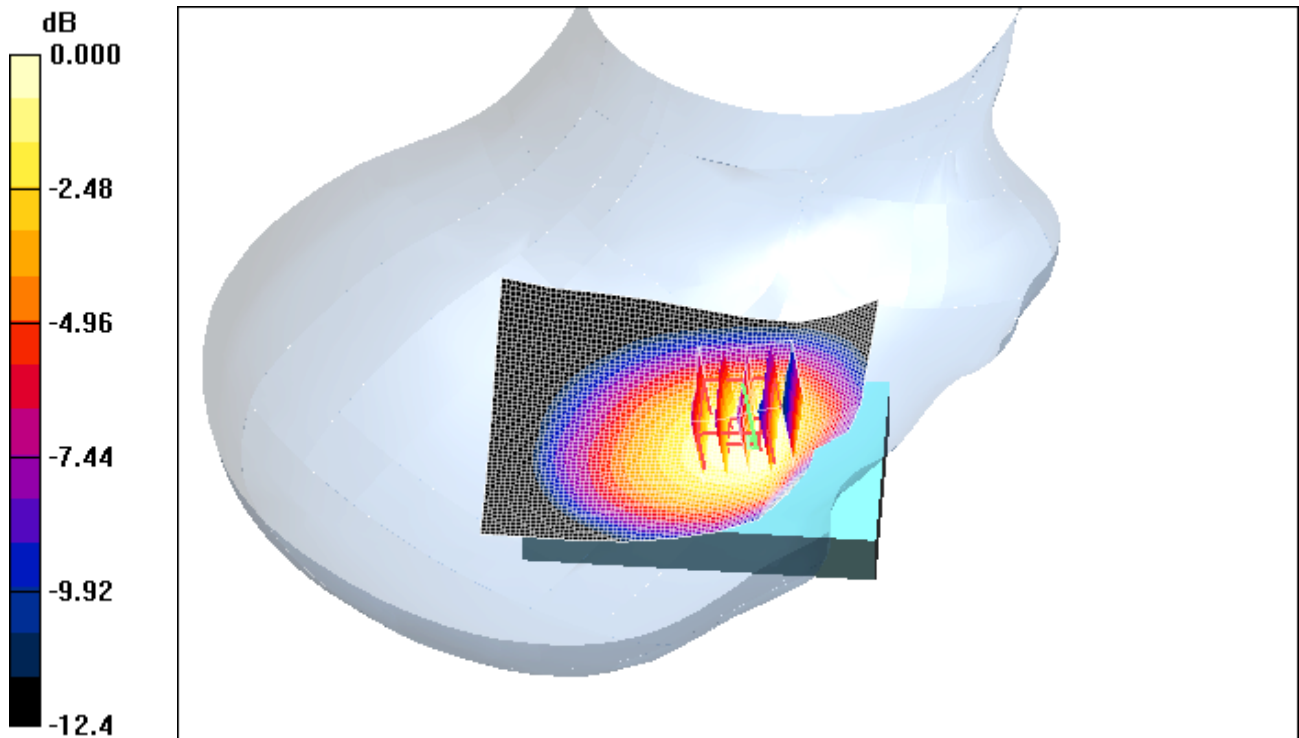
**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.887 mW/g**

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


Maximum value of SAR (measured) = 1.29 mW/g



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0 dB = 1.29mW/g

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Date/Time: 21/07/2009 3:23:34 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_GSM850\\_high\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.893$  mho/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 11.8 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.724 mW/g**

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

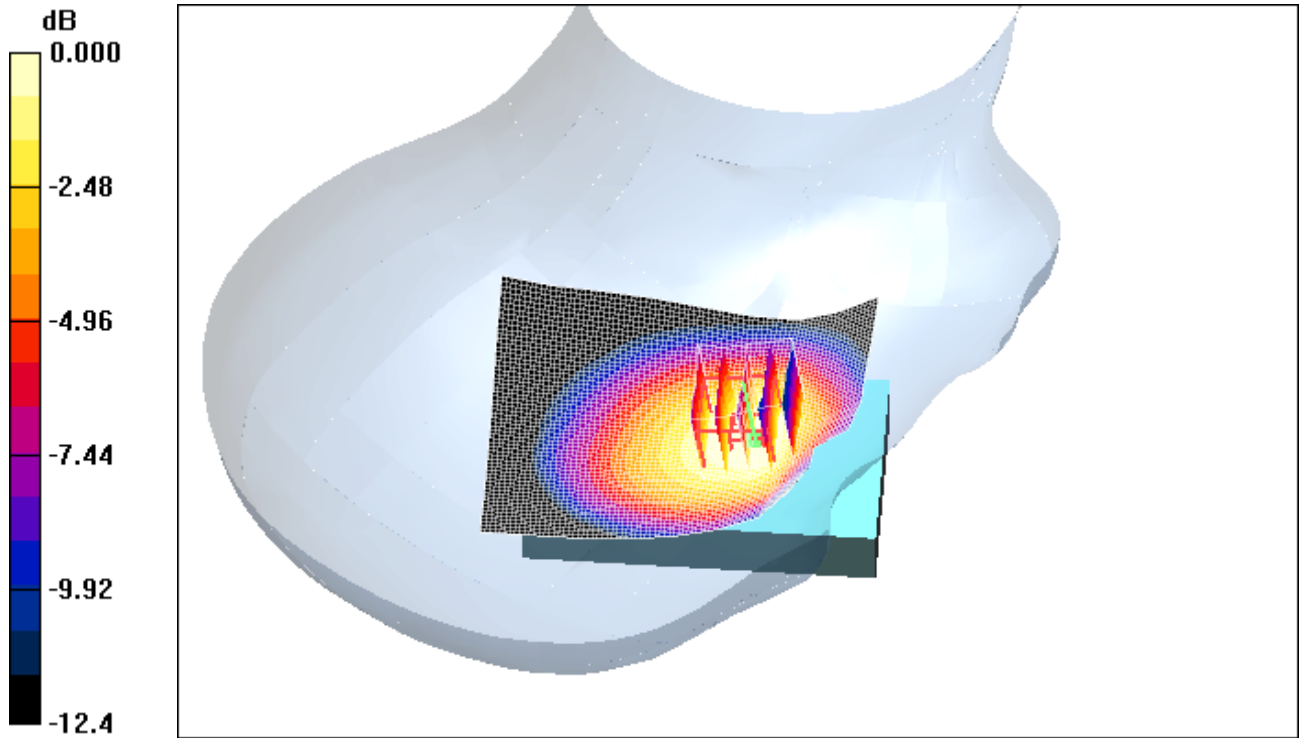
Maximum value of SAR (measured) = 1.05 mW/g

Author Data  
**Andrew Becker**


Dates of Test  
**July 15-August 20, 2009**

Test Report No  
**RTS-1689-0908-30**

FCC ID:  
**L6ARCM70UW**



0 dB = 1.05mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 3:40:55 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_Tilt\\_EDGE850\\_high\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_21.7C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.760 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 19.5 V/m; Power Drift = 0.003 dB

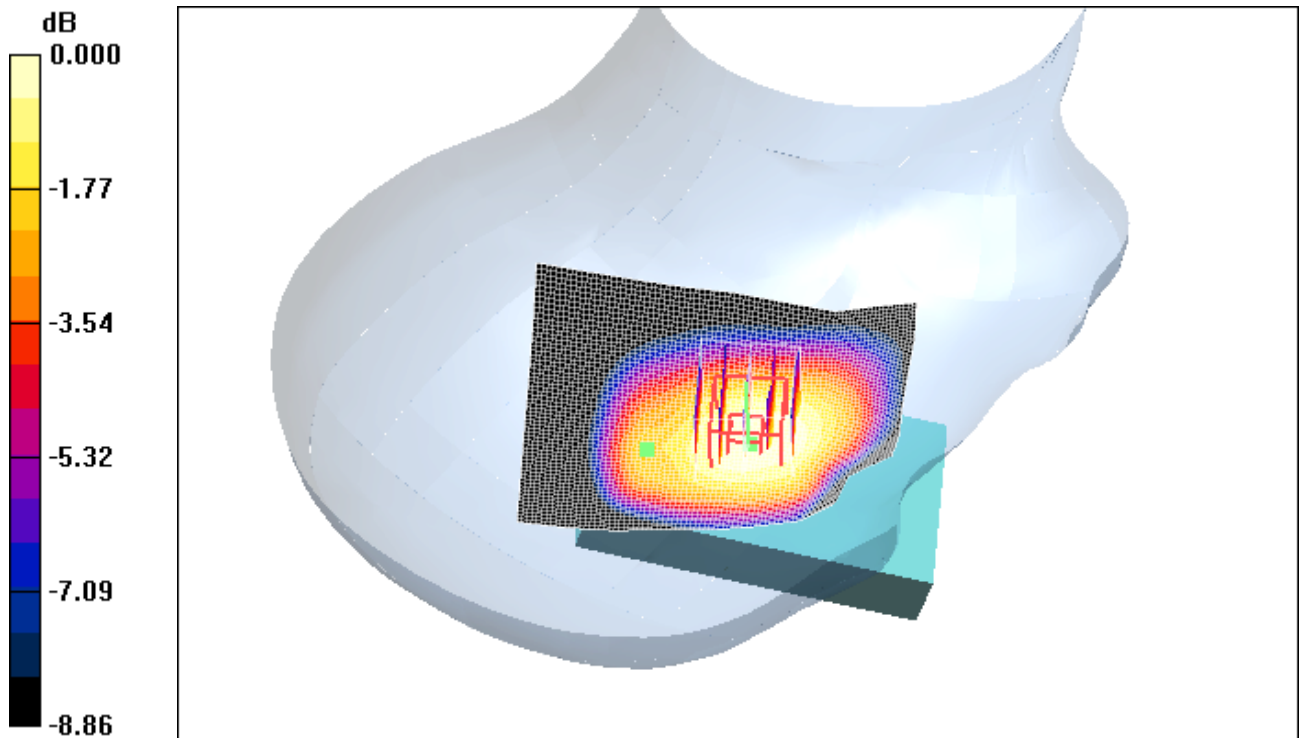
Peak SAR (extrapolated) = 0.899 W/kg

**SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.551 mW/g**


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

Maximum value of SAR (measured) = 0.766 mW/g

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0 dB = 0.766mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 19/08/2009 12:37:31 AM

Test Laboratory: RTS

File Name: LeftHandSide\_GSM850\_high\_chan\_amb\_temp\_23.4\_liq\_temp\_22.6C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.916 \text{ mho/m}$ ;  $\epsilon_r = 42.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt position -/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) = 1.34 mW/g

**Tilt position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 13.6 V/m; Power Drift = -0.047 dB

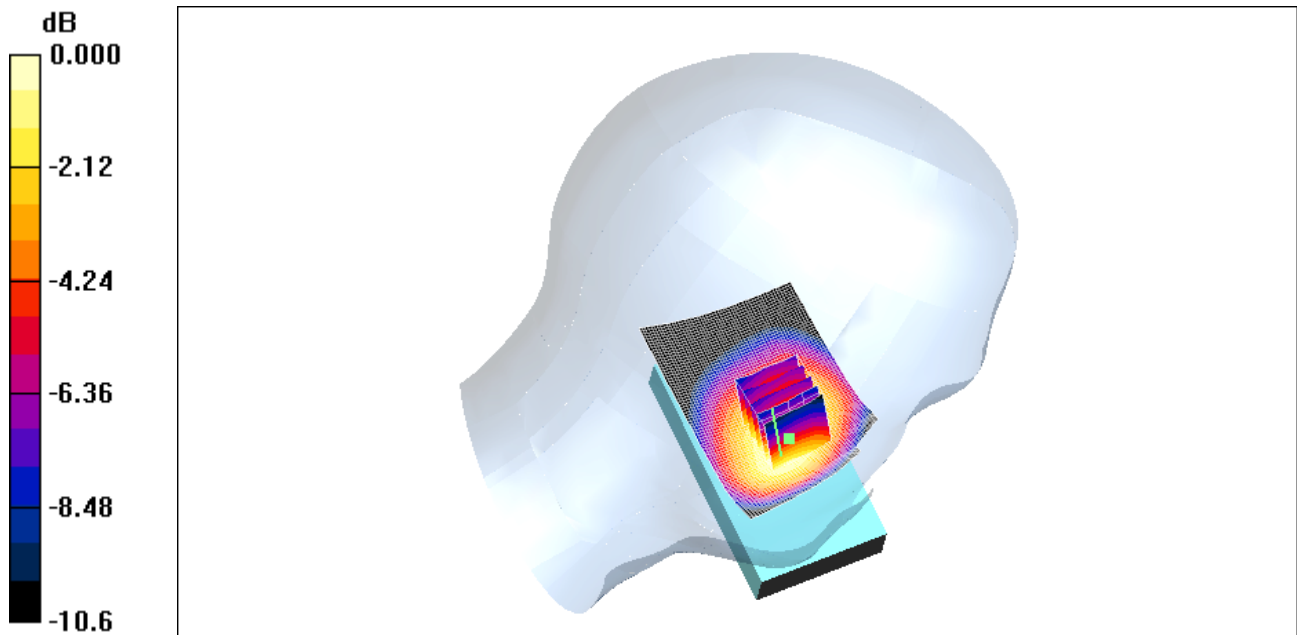
Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.874 mW/g**


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

Maximum value of SAR (measured) = 1.30 mW/g

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0 dB = 1.30mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 19/08/2009 12:56:28 AM

Test Laboratory: RTS

File Name: RightHandSide\_EDGE850\_high\_chan\_amb\_temp\_23.4\_liq\_temp\_22.6C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.916$  mho/m;  $\epsilon_r = 42.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.47 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 13.6 V/m; Power Drift = -0.116 dB


Peak SAR (extrapolated) = 1.72 W/kg

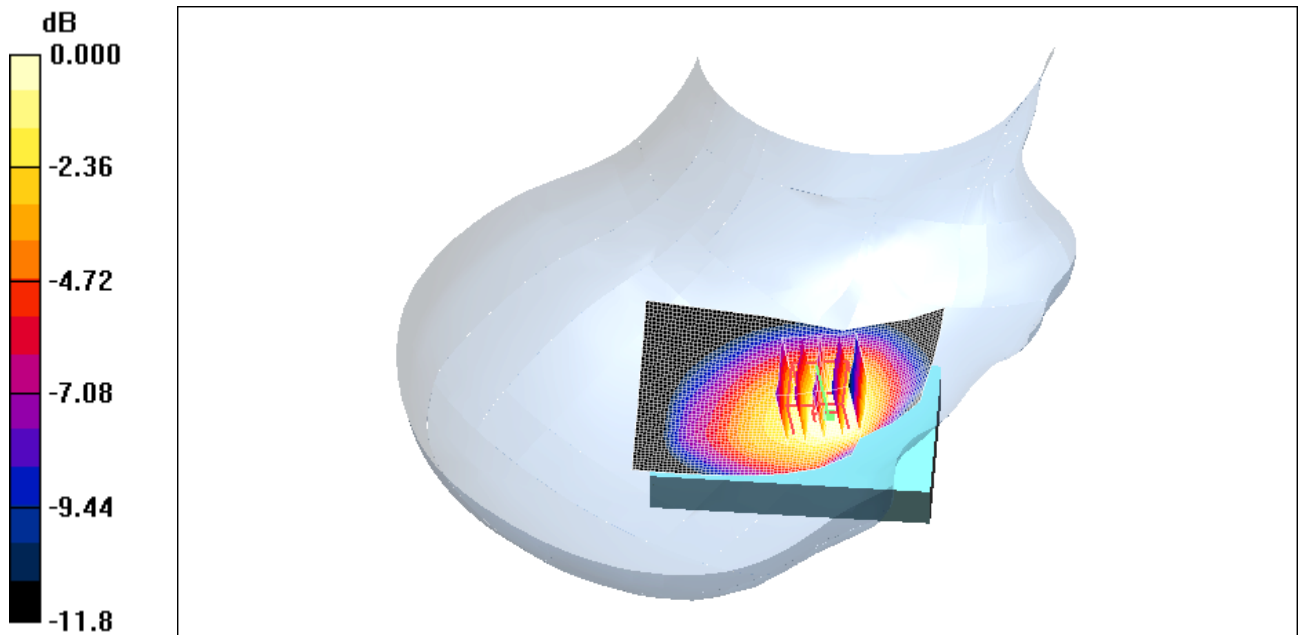
**SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.984 mW/g**

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


Maximum value of SAR (measured) = 1.47 mW/g



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0 dB = 1.47mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 8:36:11 PM

Test Laboratory: RTS

File Name:

[LeftHandSide\\_UMTS\\_band\\_V\\_low\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31  
Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.873$  mho/m;  $\epsilon_r = 42.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.19 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 12.6 V/m; Power Drift = -0.366 dB

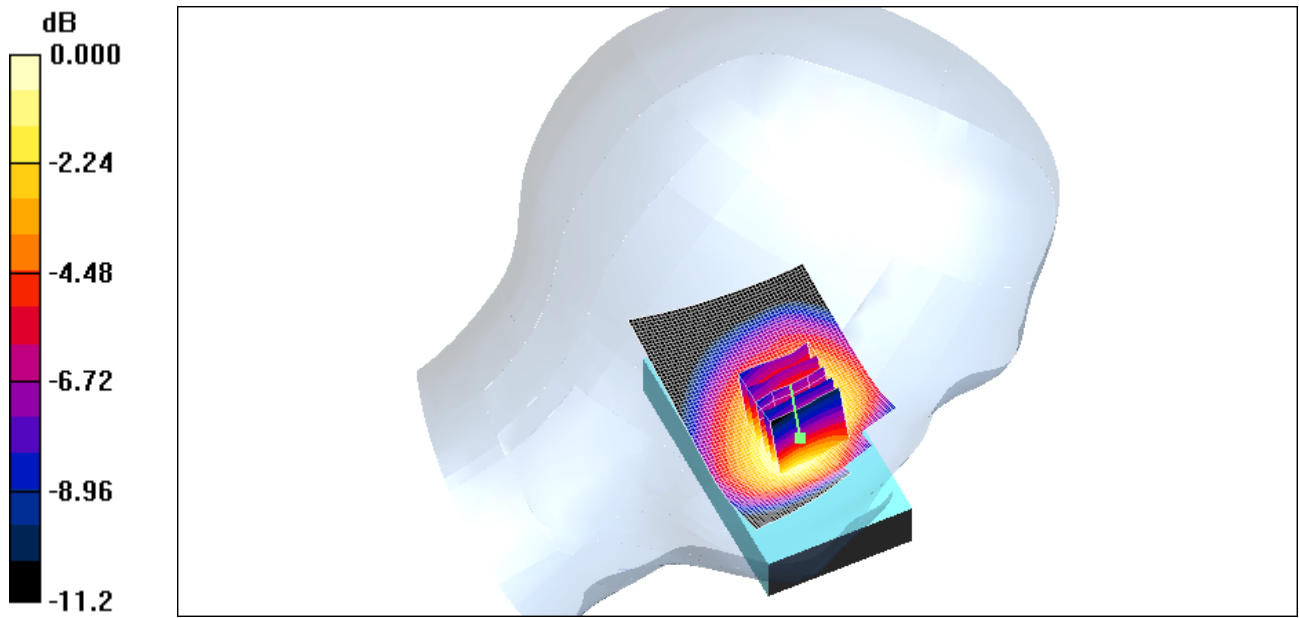
Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.766 mW/g**


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

Maximum value of SAR (measured) = 1.16 mW/g

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0 dB = 1.16mW/g

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Date/Time: 21/07/2009 8:50:38 PM

Test Laboratory: RTS

File Name:

[LeftHandSide UMTS band V mid chan amb temp 23.1 liq temp 22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.56 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 13.6 V/m; Power Drift = 0.026 dB

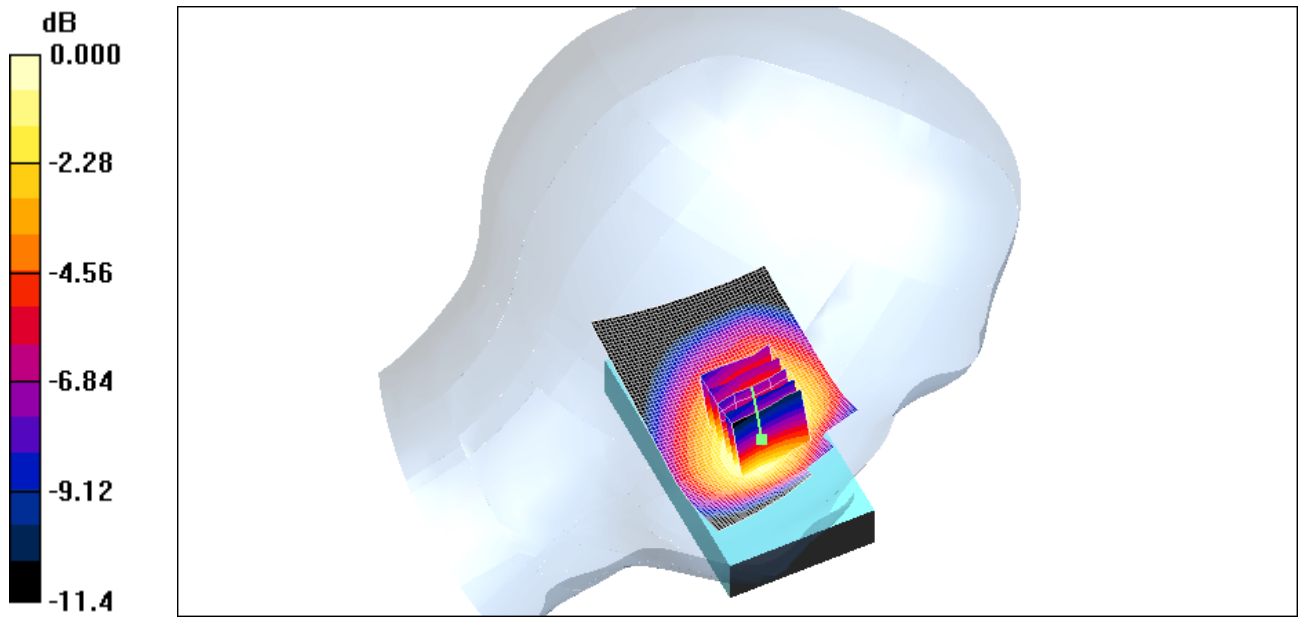
Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 1.41 mW/g; SAR(10 g) = 1.01 mW/g**


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

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

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0 dB = 1.52mW/g

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Date/Time: 21/07/2009 9:04:49 PM

Test Laboratory: RTS

File Name:

[LeftHandSide UMTS band V high chan amb temp 23.0 liq temp 22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.891$  mho/m;  $\epsilon_r = 42.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.42 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 12.9 V/m; Power Drift = 0.064 dB

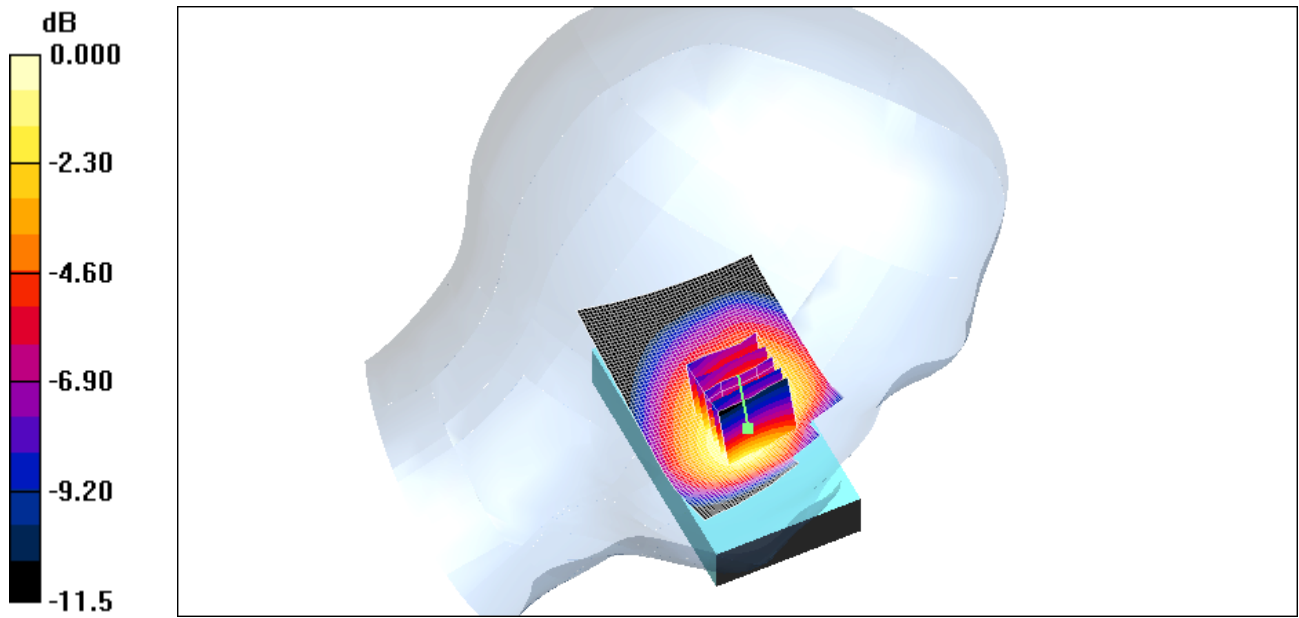
Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.914 mW/g**


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

Maximum value of SAR (measured) = 1.38 mW/g

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0 dB = 1.38mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 9:20:46 PM

Test Laboratory: RTS

File Name:

[LeftHandSide Tilt UMTS band V mid chan amb temp 23.0 liq temp 22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.902 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 21.0 V/m; Power Drift = -0.015 dB


Peak SAR (extrapolated) = 1.01 W/kg

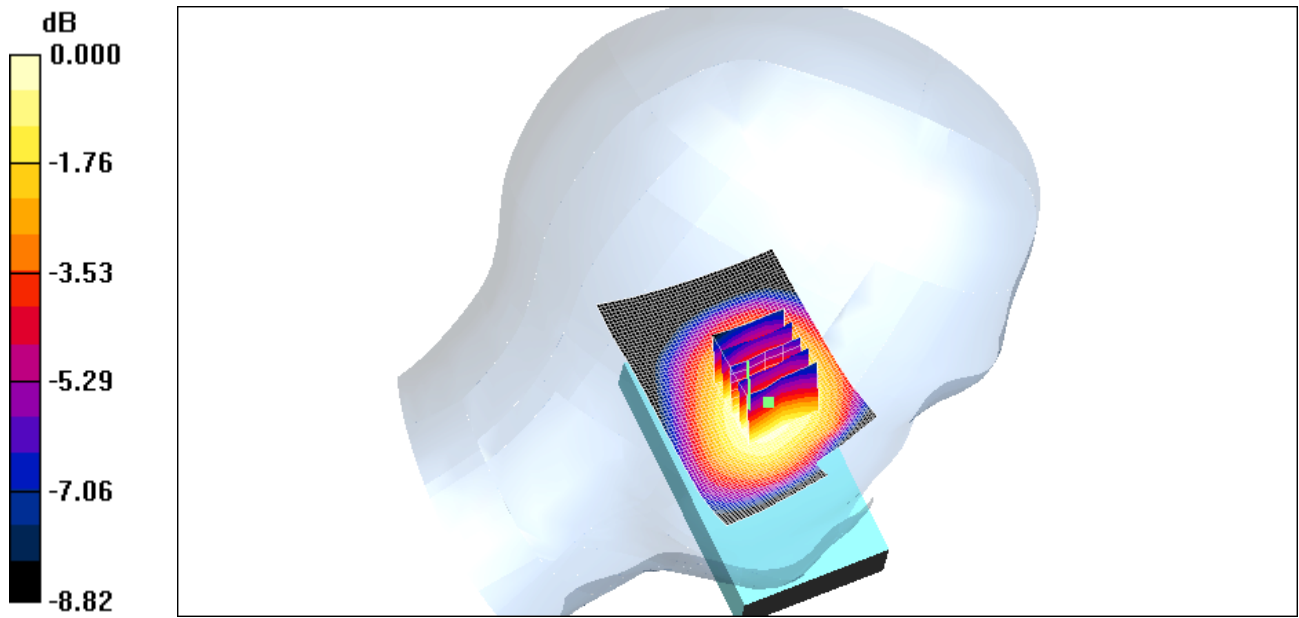
**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.644 mW/g**

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


Maximum value of SAR (measured) = 0.877 mW/g



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0 dB = 0.877mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 7:23:55 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band V low chan amb temp 23.1 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.873$  mho/m;  $\epsilon_r = 42.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.45 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 16.5 V/m; Power Drift = 0.002 dB

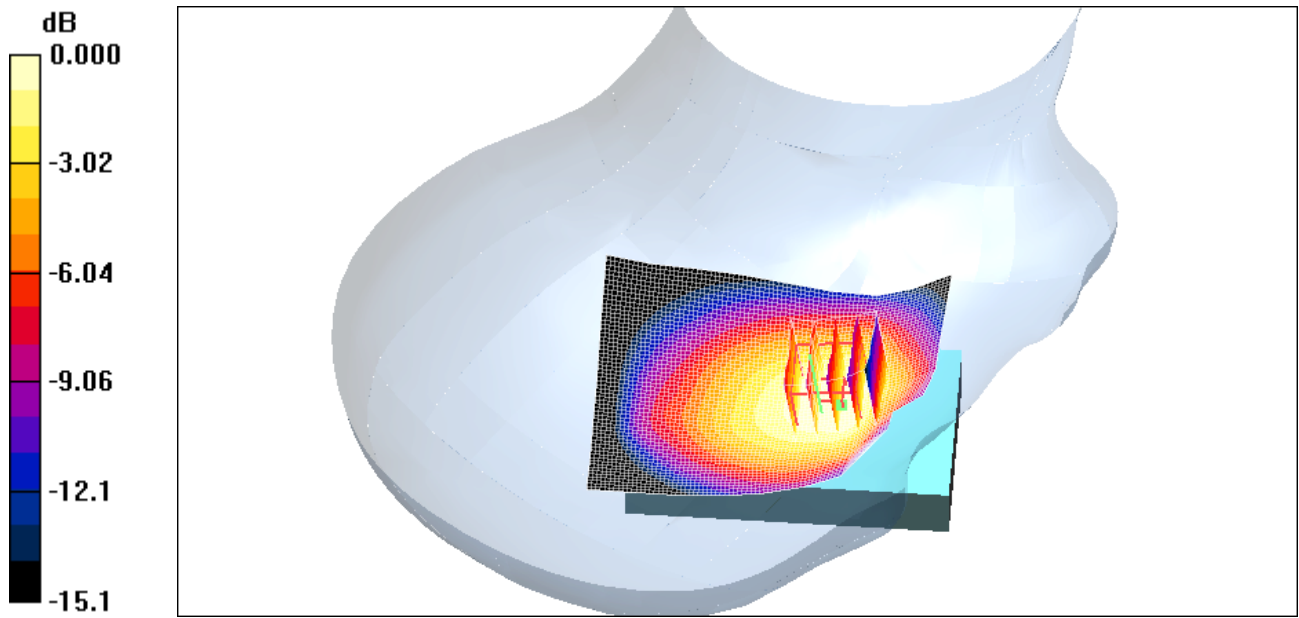
Peak SAR (extrapolated) = 1.72 W/kg

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.968 mW/g**


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

Maximum value of SAR (measured) = 1.41 mW/g

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0 dB = 1.41mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 7:39:44 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band V mid chan amb temp 23.1 liq temp 22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.69 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 17.8 V/m; Power Drift = -0.073 dB

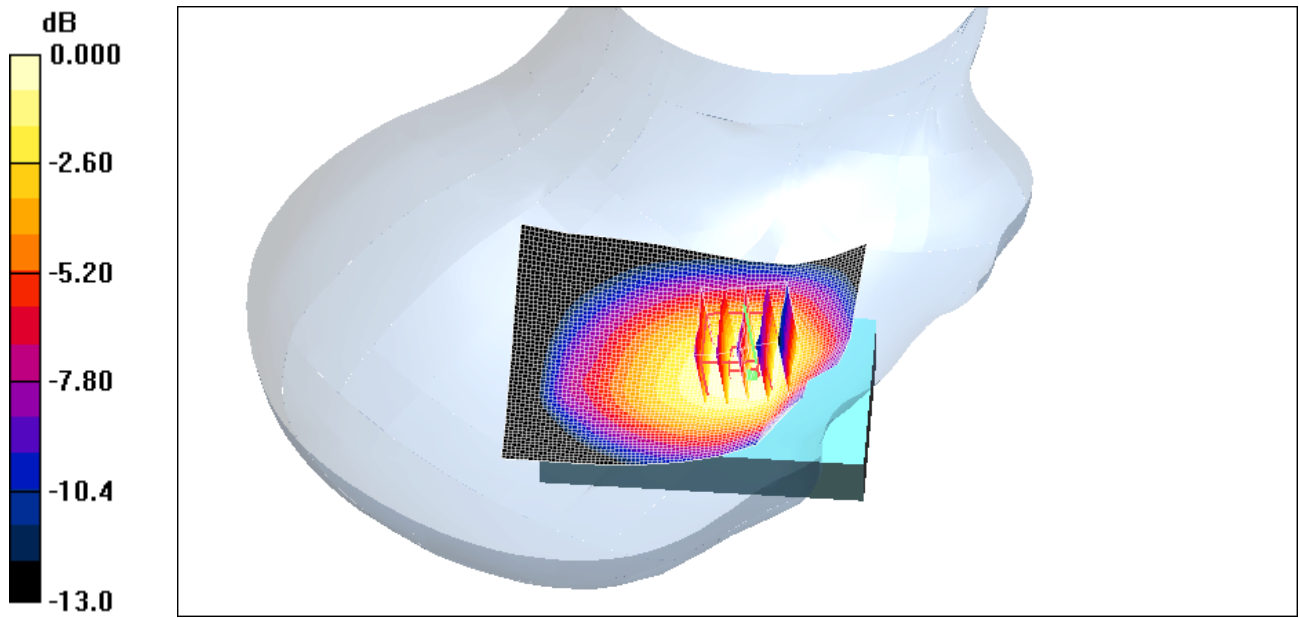
Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.12 mW/g**


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

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

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0 dB = 1.63mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 7:54:50 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band V high chan amb temp 23.1 liq temp 22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.891$  mho/m;  $\epsilon_r = 42.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 16.8 V/m; Power Drift = -0.002 dB

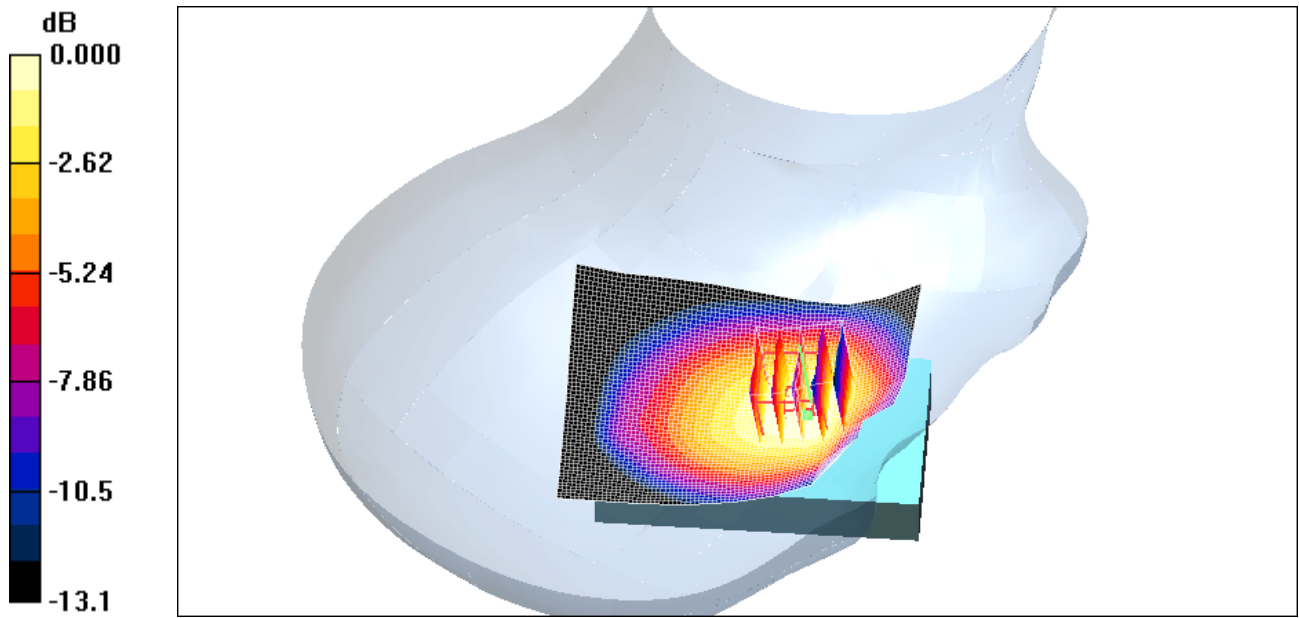
Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.01 mW/g**


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

Maximum value of SAR (measured) = 1.48 mW/g

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0 dB = 1.48mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 21/07/2009 8:12:10 PM

Test Laboratory: RTS

File Name:

[RightHandSide Tilt UMTS band V mid chan amb temp 23.1 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.972 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 22.1 V/m; Power Drift = -0.019 dB


Peak SAR (extrapolated) = 1.12 W/kg

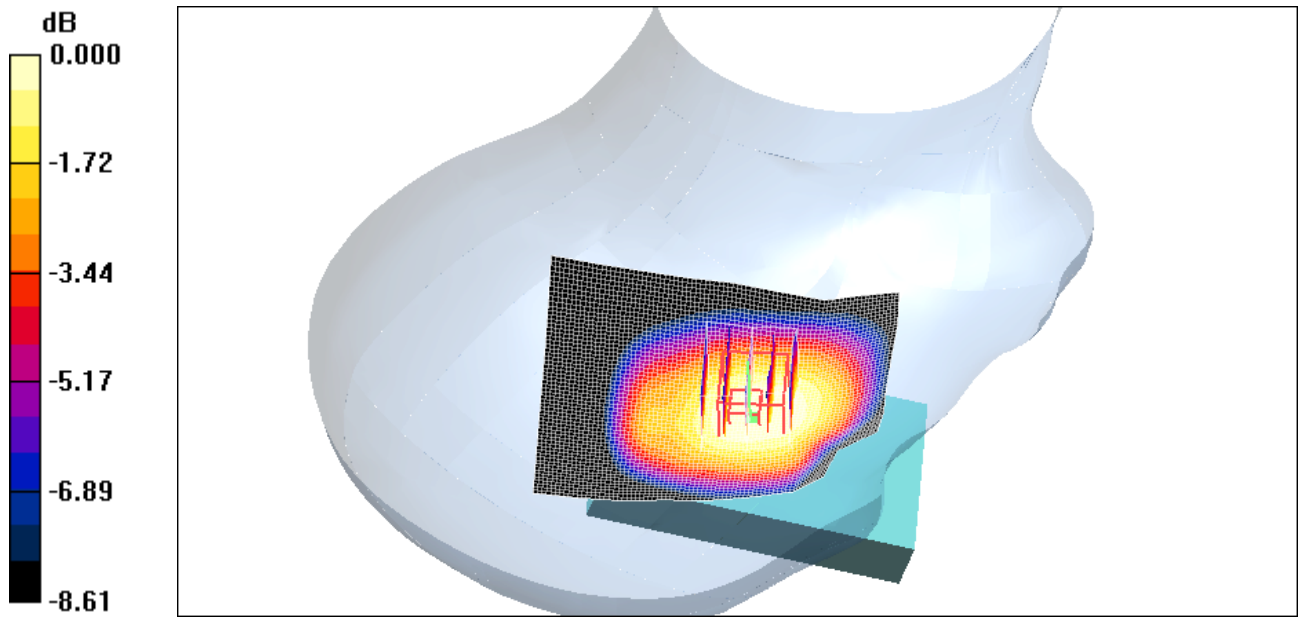
**SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.707 mW/g**

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


Maximum value of SAR (measured) = 0.972 mW/g



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0 dB = 0.972mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 15/07/2009 4:22:44 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE1900\\_low\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.02 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 11.3 V/m; Power Drift = 0.072 dB

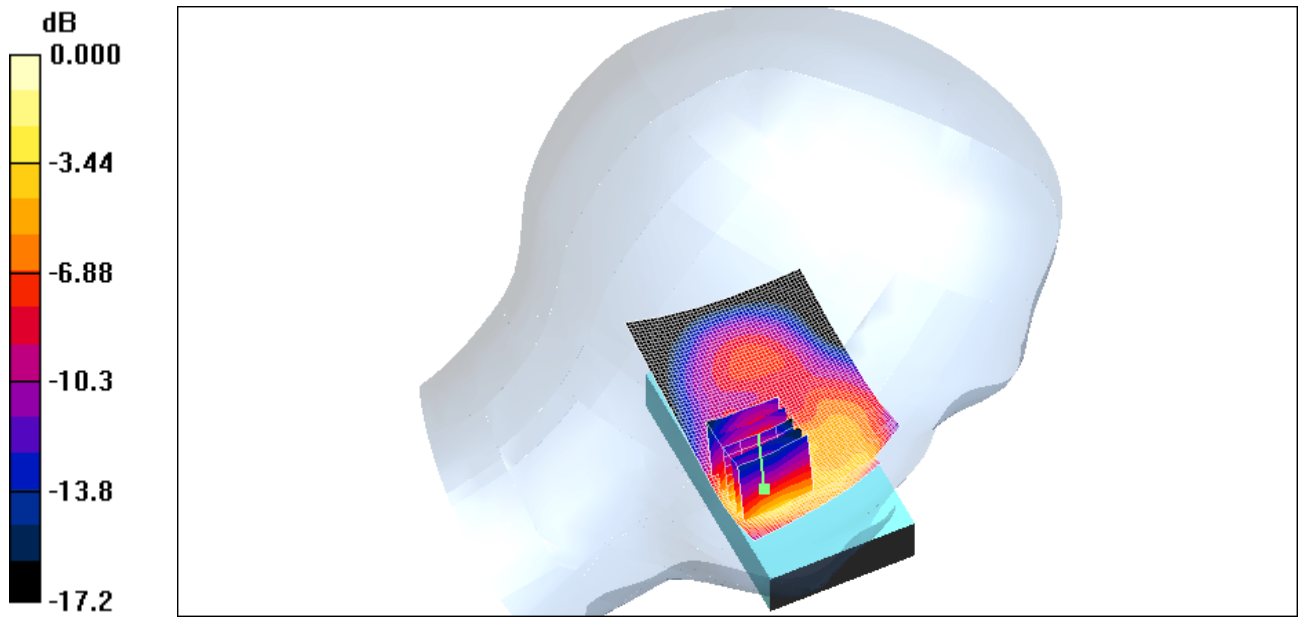
Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.523 mW/g**


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

Maximum value of SAR (measured) = 1.04 mW/g

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0 dB = 1.04mW/g

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Date/Time: 15/07/2009 4:37:04 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.44 \text{ mho/m}$ ;  $\epsilon_r = 39.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section


DASY4 Configuration:

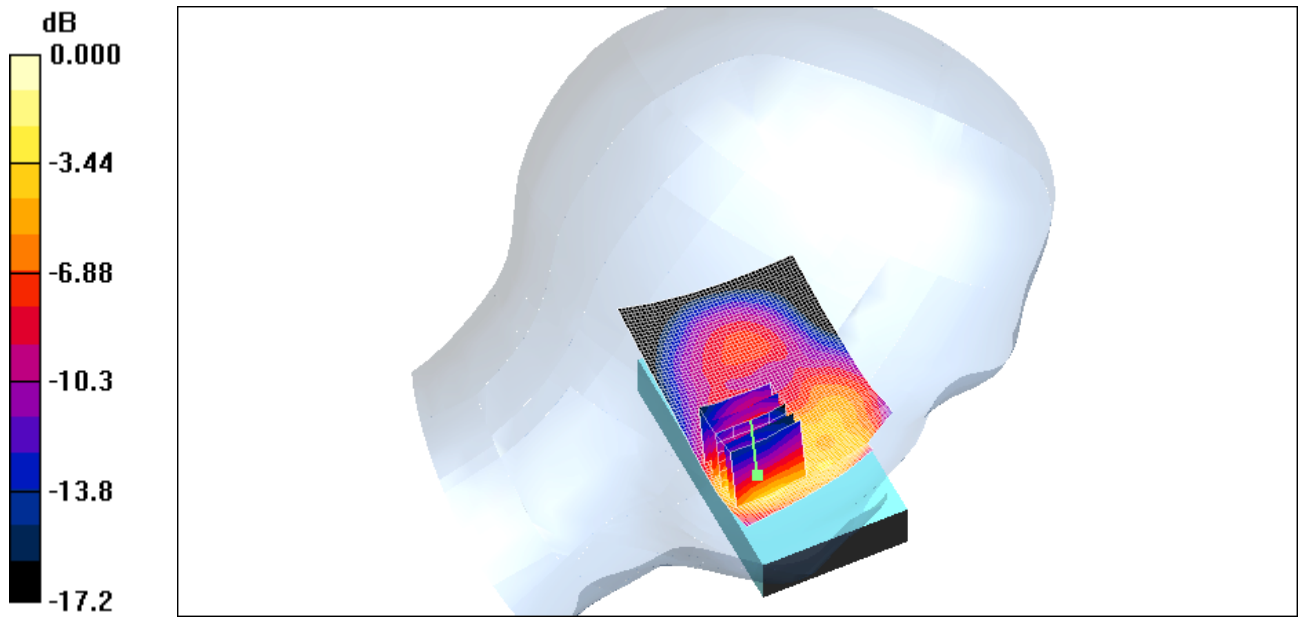
- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 1.17 mW/g


**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
 $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 12.0 V/m; Power Drift = -0.051 dB  
Peak SAR (extrapolated) = 1.66 W/kg  
**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.591 mW/g**

Maximum value of SAR (measured) = 1.18 mW/g

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0 dB = 1.18mW/g

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Date/Time: 15/07/2009 4:51:03 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_EDGE1900\\_high\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**


Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

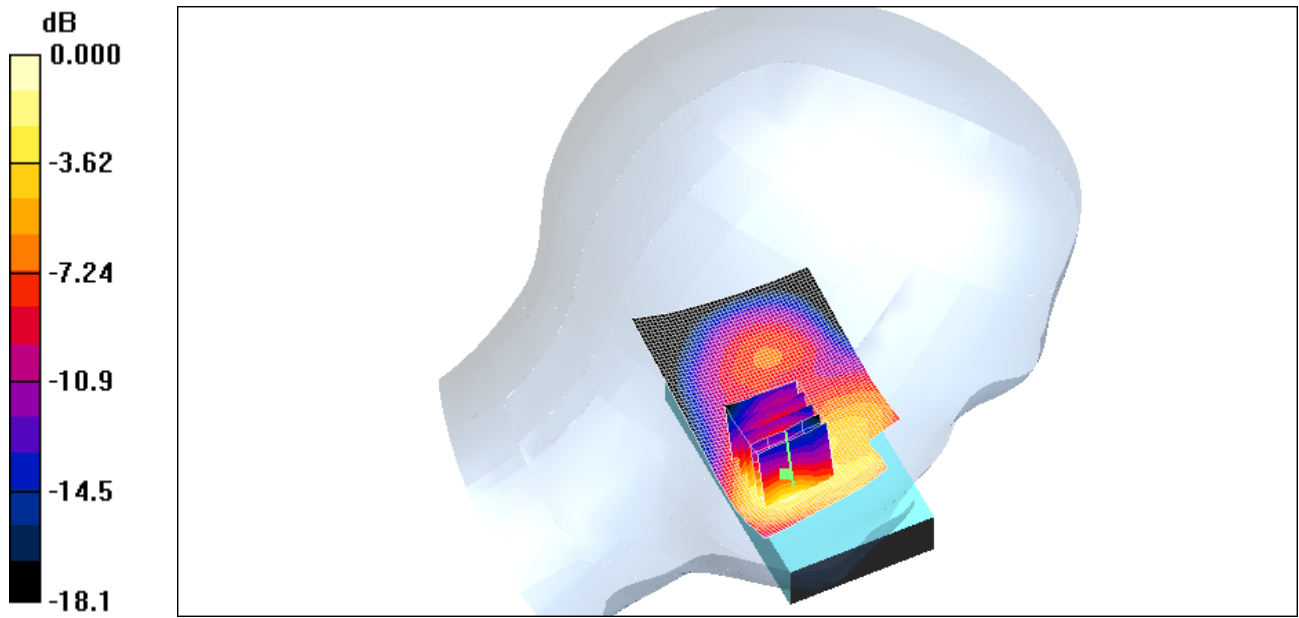
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.16 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 12.1 V/m; Power Drift = -0.017 dB  
Peak SAR (extrapolated) = 1.81 W/kg  
**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.612 mW/g**  
Maximum value of SAR (measured) = 1.18 mW/g

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0 dB = 1.18mW/g

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Date/Time: 15/07/2009 5:38:48 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_GSM1900\\_high\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section


DASY4 Configuration:

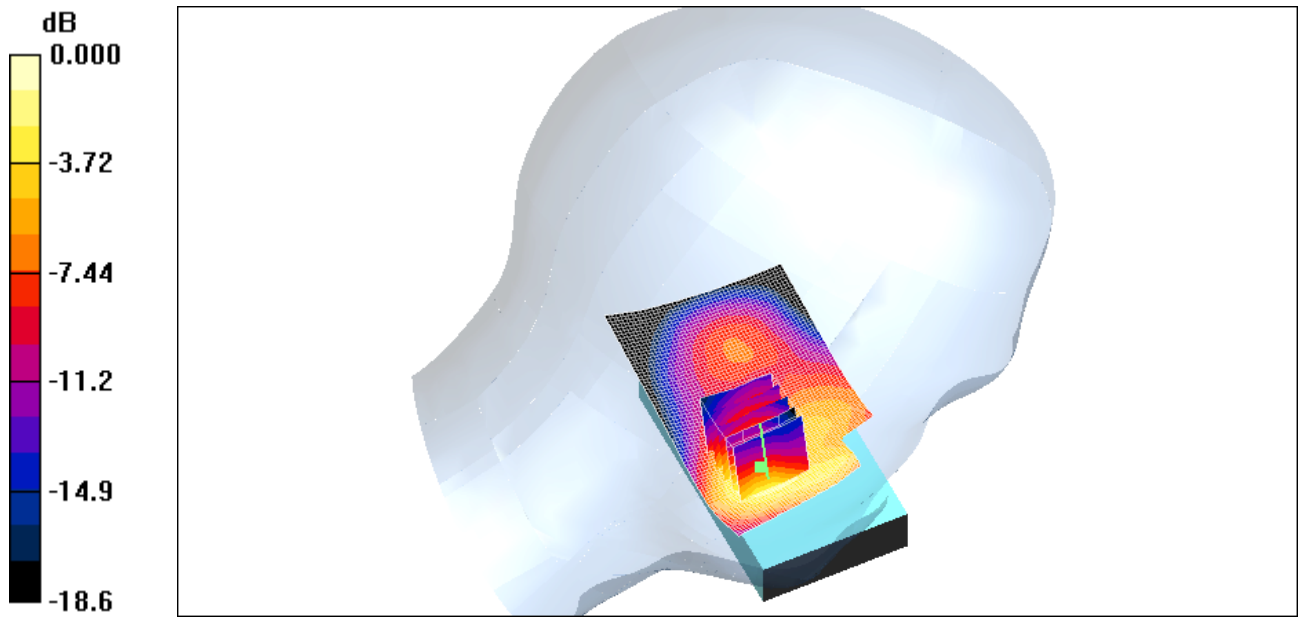
- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.01 mW/g


**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.7 V/m; Power Drift = 0.029 dB  
Peak SAR (extrapolated) = 1.51 W/kg  
**SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.533 mW/g**  
Maximum value of SAR (measured) = 1.02 mW/g



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0 dB = 1.02mW/g

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Date/Time: 15/07/2009 5:07:06 PM

Test Laboratory: RTS

File Name:

[LeftHandSide\\_Tilt\\_EDGE1900\\_high\\_chan\\_amb\\_temp\\_22.9\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt position -/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.443 mW/g


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

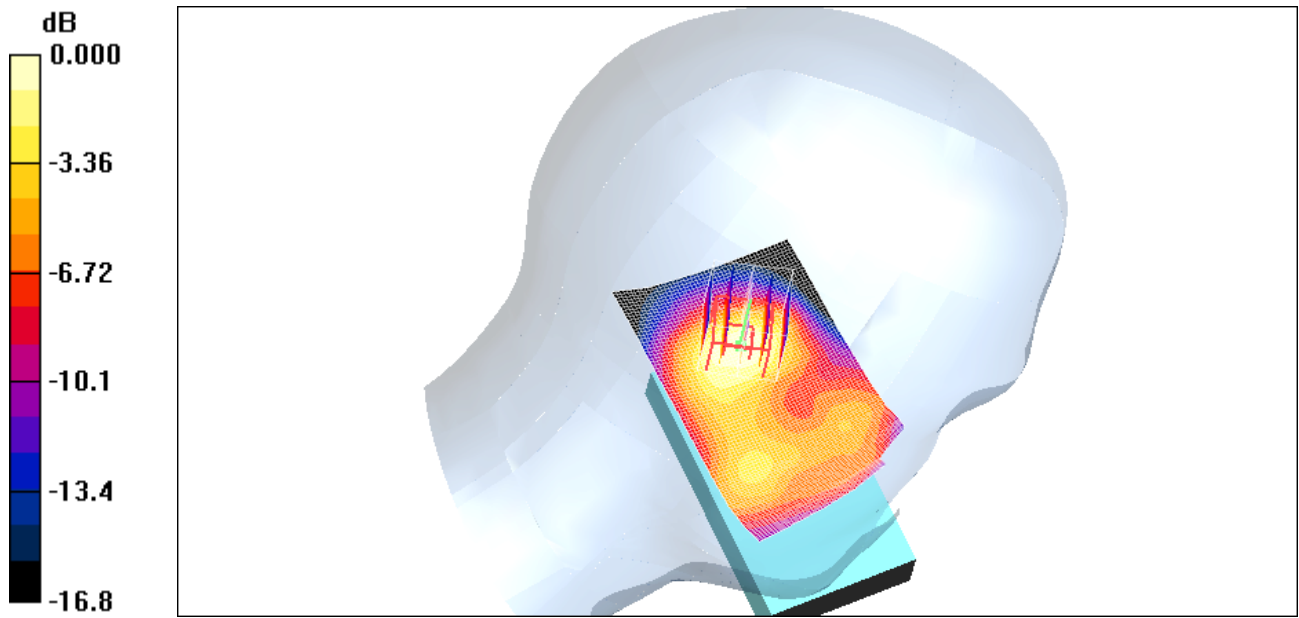
Reference Value = 17.7 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.561 W/kg


**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.212 mW/g**

Maximum value of SAR (measured) = 0.416 mW/g

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0 dB = 0.416mW/g

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Date/Time: 15/07/2009 7:12:27 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_EDGE1900\\_low\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 39.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/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) = 0.895 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 11.9 V/m; Power Drift = -0.082 dB

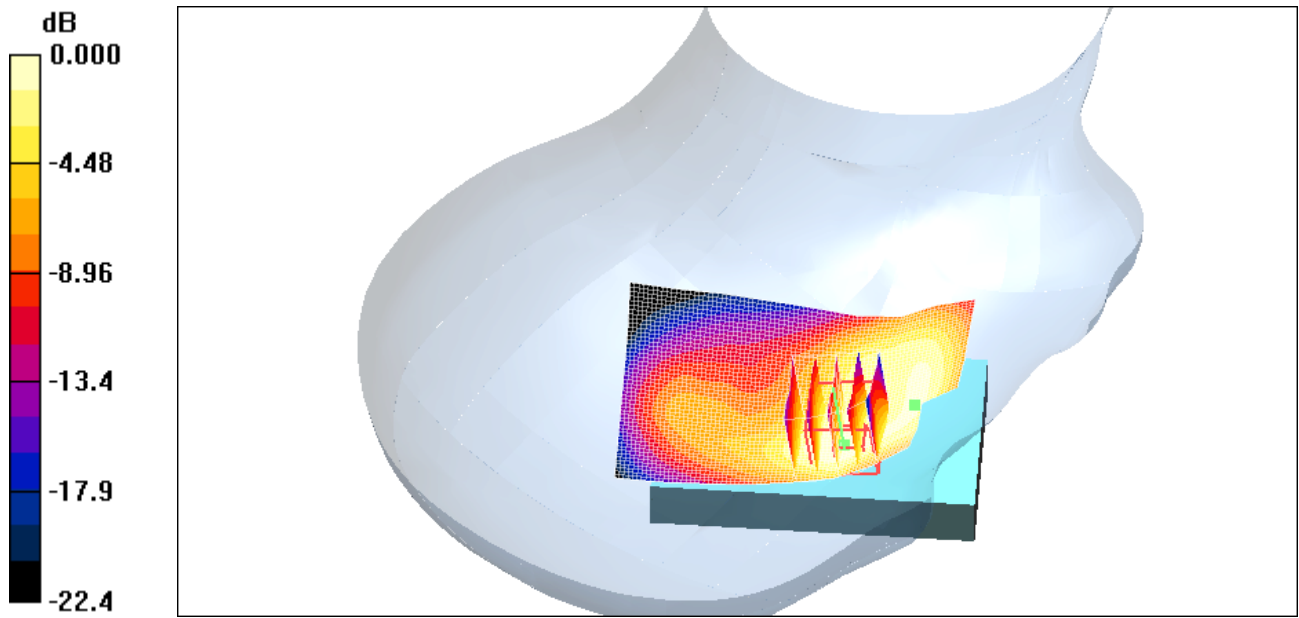
Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.465 mW/g**


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

Maximum value of SAR (measured) = 0.833 mW/g

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0 dB = 0.833mW/g

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Date/Time: 15/07/2009 7:26:48 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Right-Hand Side)**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:


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

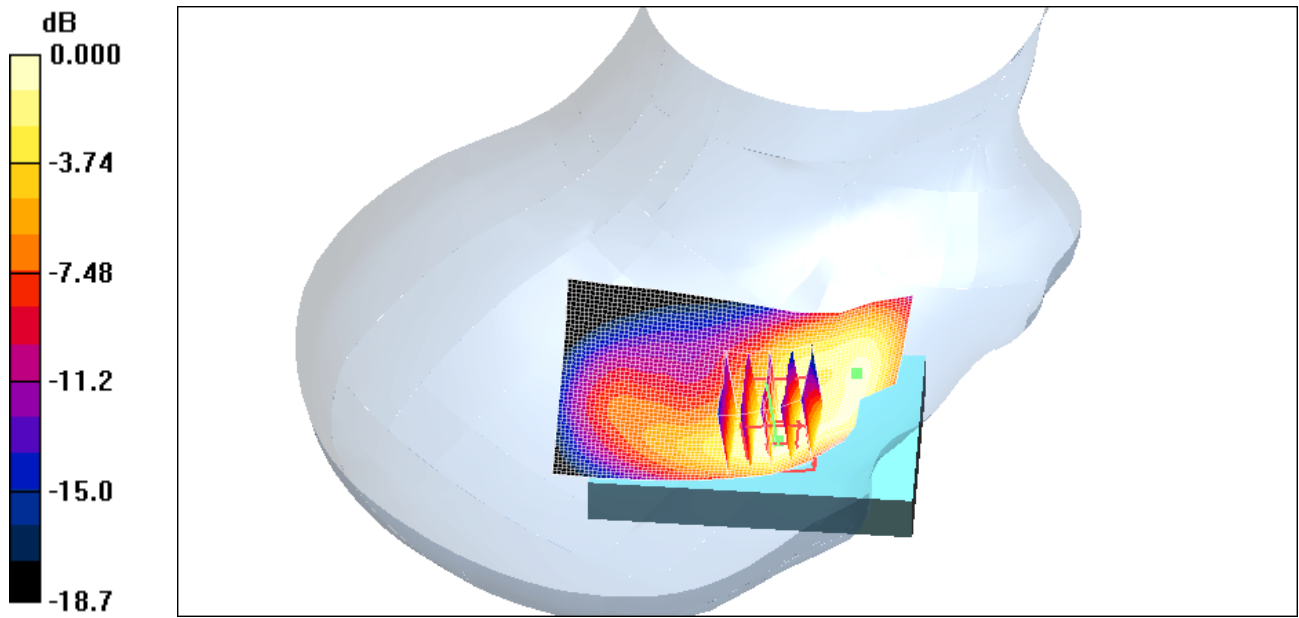
Reference Value = 12.0 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 1.24 W/kg


**SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.515 mW/g**

Maximum value of SAR (measured) = 0.937 mW/g

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0 dB = 0.937mW/g

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Date/Time: 15/07/2009 7:55:22 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_EDGE1900\\_high\\_chan\\_amb\\_temp\\_22.4\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.989 mW/g

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


Reference Value = 11.2 V/m; Power Drift = -0.025 dB

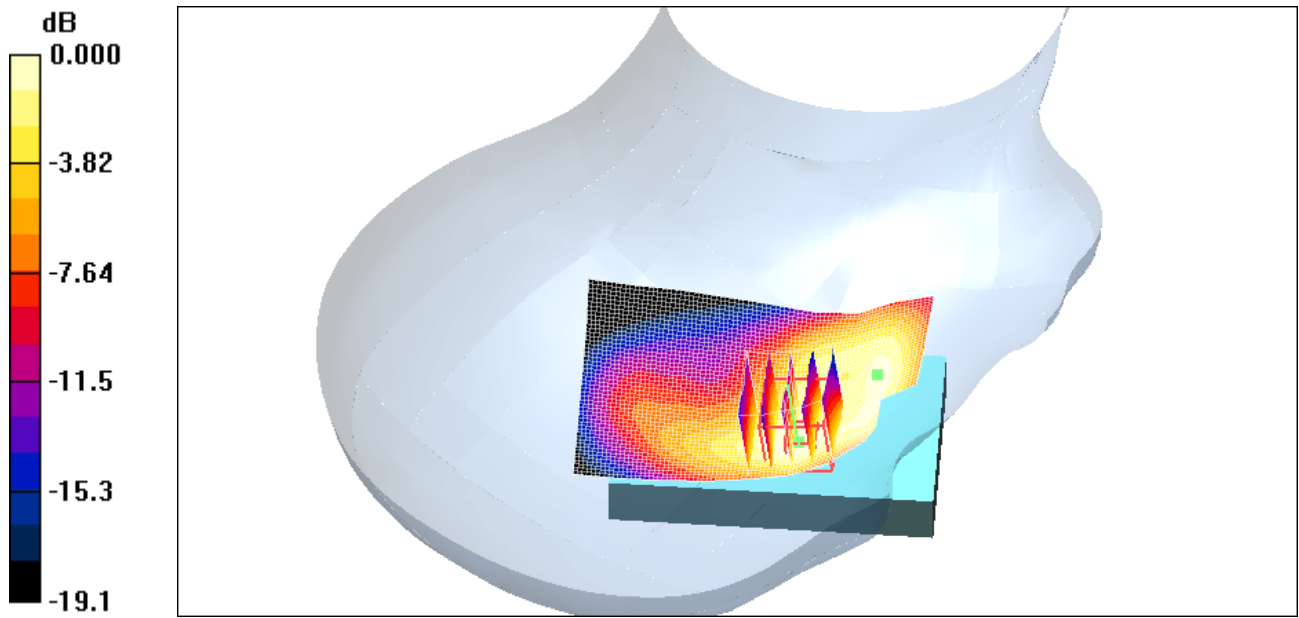
Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.498 mW/g**


Maximum value of SAR (measured) = 0.919 mW/g



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0 dB = 0.919mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 15/07/2009 8:32:53 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_GSM1900\\_mid\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**  
**Program Name: Compliance Testing: (Right-Hand Side)**


Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.44 \text{ mho/m}$ ;  $\epsilon_r = 39.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

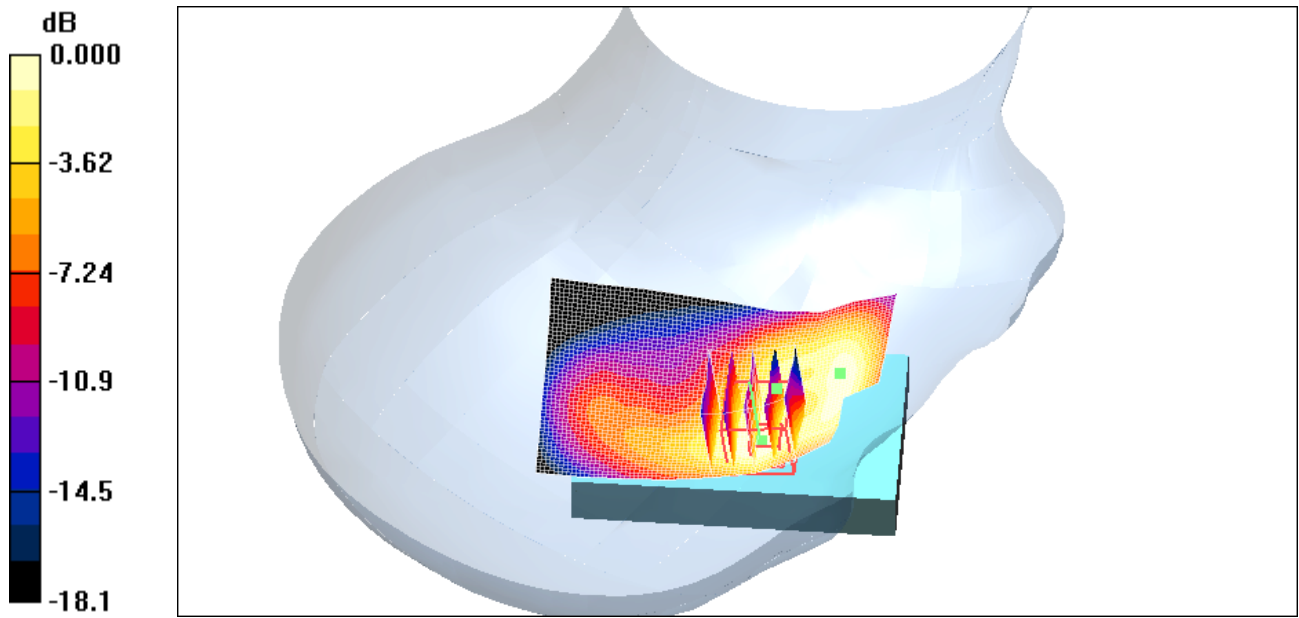
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.897 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.6 V/m; Power Drift = -0.065 dB  
Peak SAR (extrapolated) = 1.14 W/kg  
**SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.467 mW/g**  
Maximum value of SAR (measured) = 0.836 mW/g

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0 dB = 0.836mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 15/07/2009 8:11:22 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_Tilt\\_EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211AOA31**

**Program Name: Compliance Testing: (Right-Hand Side)**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.431 mW/g


**Tilt position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

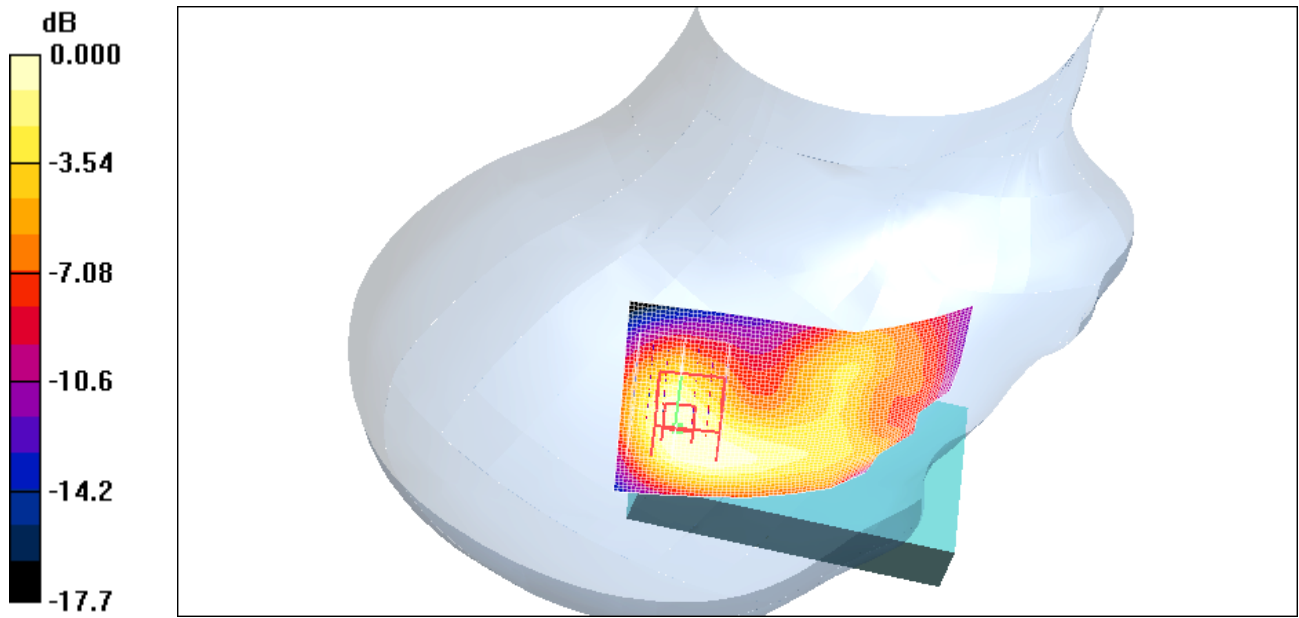
Reference Value = 16.2 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.544 W/kg


**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.214 mW/g**

Maximum value of SAR (measured) = 0.395 mW/g

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0 dB = 0.395mW/g

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Date/Time: 11/08/2009 11:51:32 PM

Test Laboratory: RTS

File Name: LeftHandSide\_EDGE1900\_high\_chan\_amb\_temp\_23.0\_liq\_temp\_22.2C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 38.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section


DASY4 Configuration:

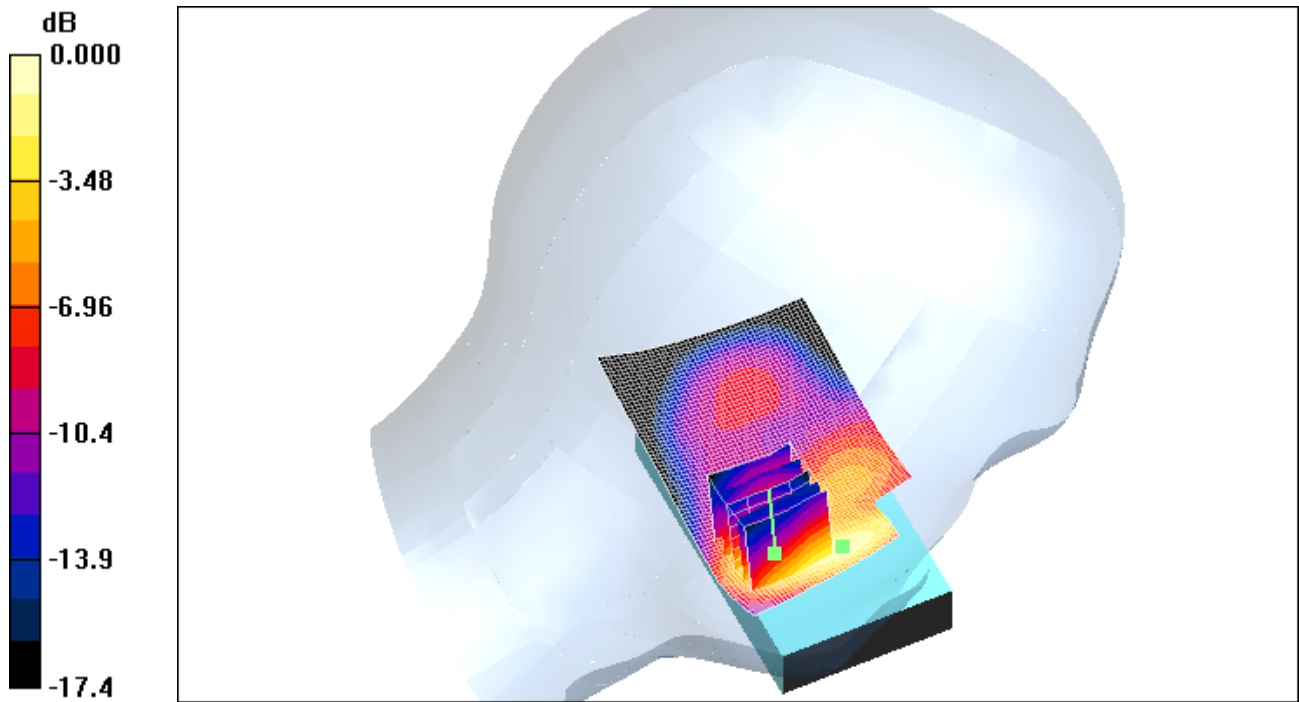
- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 1.29 mW/g


**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
 $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 13.1 V/m; Power Drift = -0.094 dB  
Peak SAR (extrapolated) = 2.07 W/kg  
**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.666 mW/g**

Maximum value of SAR (measured) = 1.44 mW/g

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0 dB = 1.44mW/g

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Date/Time: 11/08/2009 11:32:06 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.9\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.823 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 12.1 V/m; Power Drift = -0.023 dB

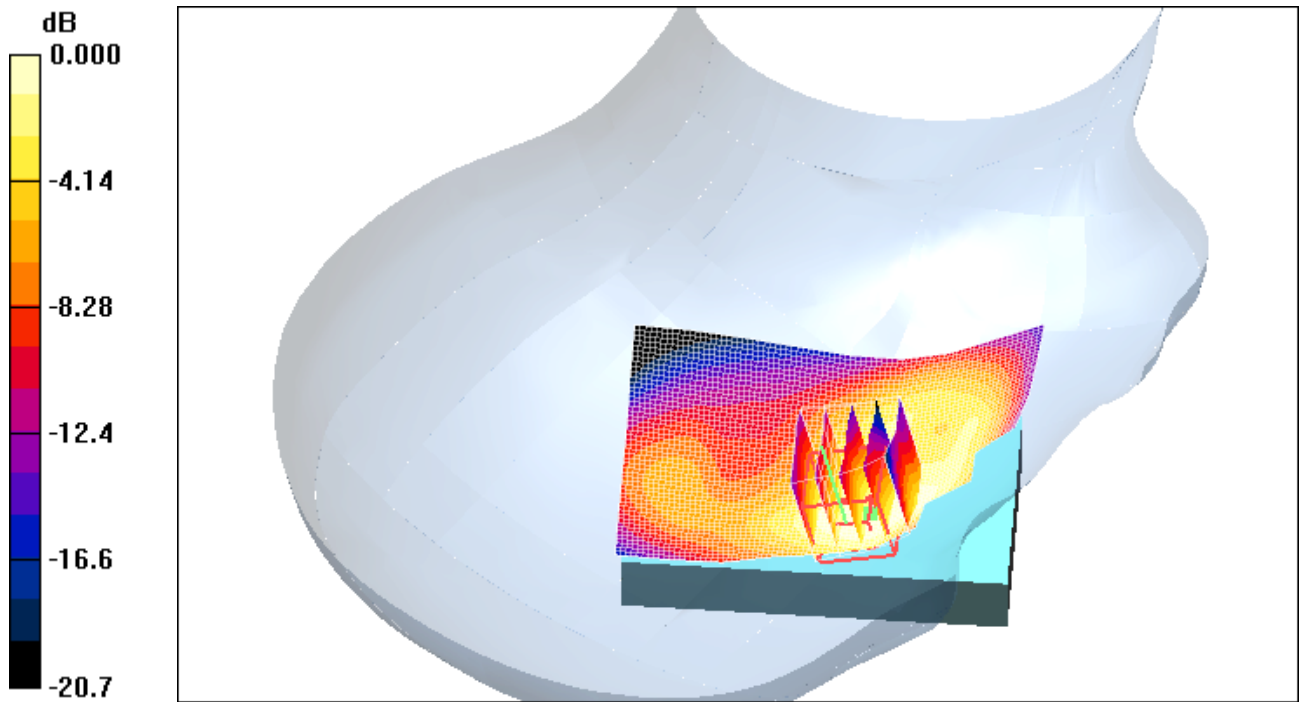
Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.737 mW/g; SAR(10 g) = 0.435 mW/g**


Maximum value of SAR (measured) = 0.794 mW/g



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0 dB = 0.794mW/g

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Date/Time: 11/08/2009 7:45:13 PM

Test Laboratory: RTS

File Name:

LeftHandSide UMTS band II low chan amb temp 23.0 liq temp 22.2C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 38.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/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) = 1.57 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 14.7 V/m; Power Drift = 0.013 dB

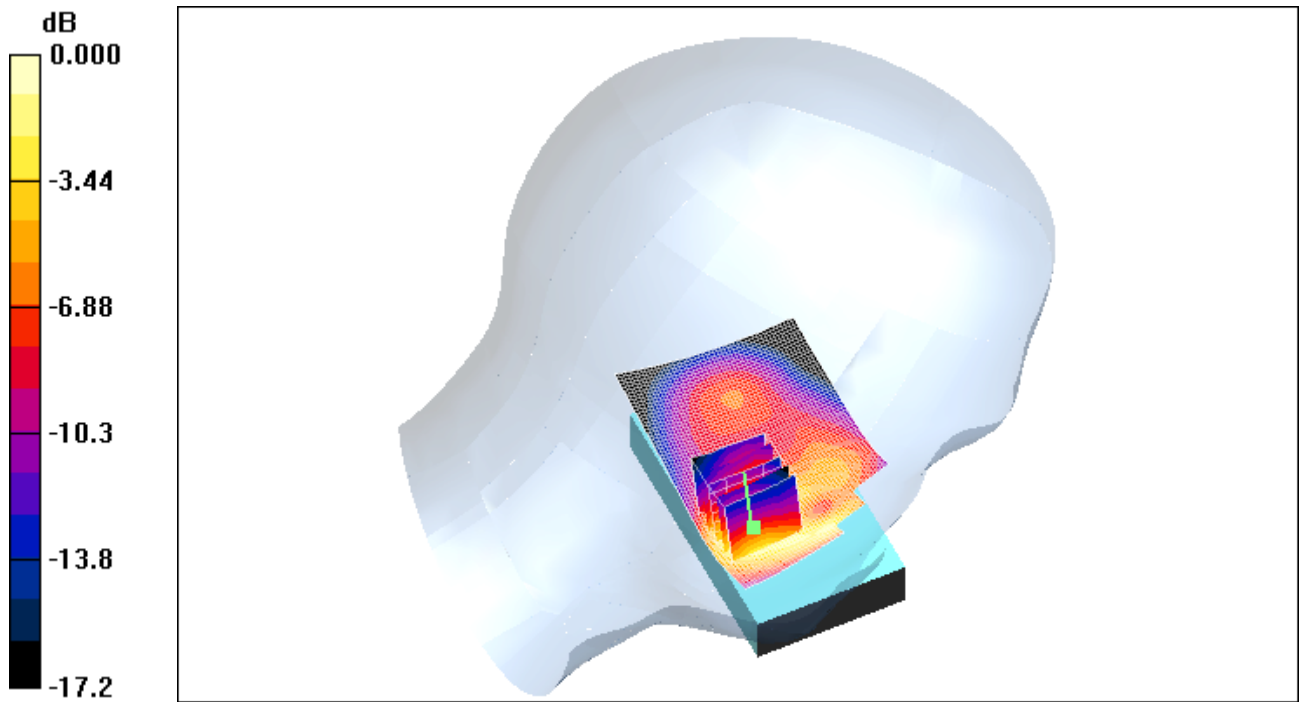
Peak SAR (extrapolated) = 2.19 W/kg

**SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.814 mW/g**


Info: Interpolated medium parameters used for SAR evaluation.

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

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0 dB = 1.52mW/g

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Date/Time: 11/08/2009 8:04:46 PM

Test Laboratory: RTS

File Name:

[LeftHandSide UMTS band II mid chan amb temp 23.1 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**


Communication System: WCDMA FDD II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

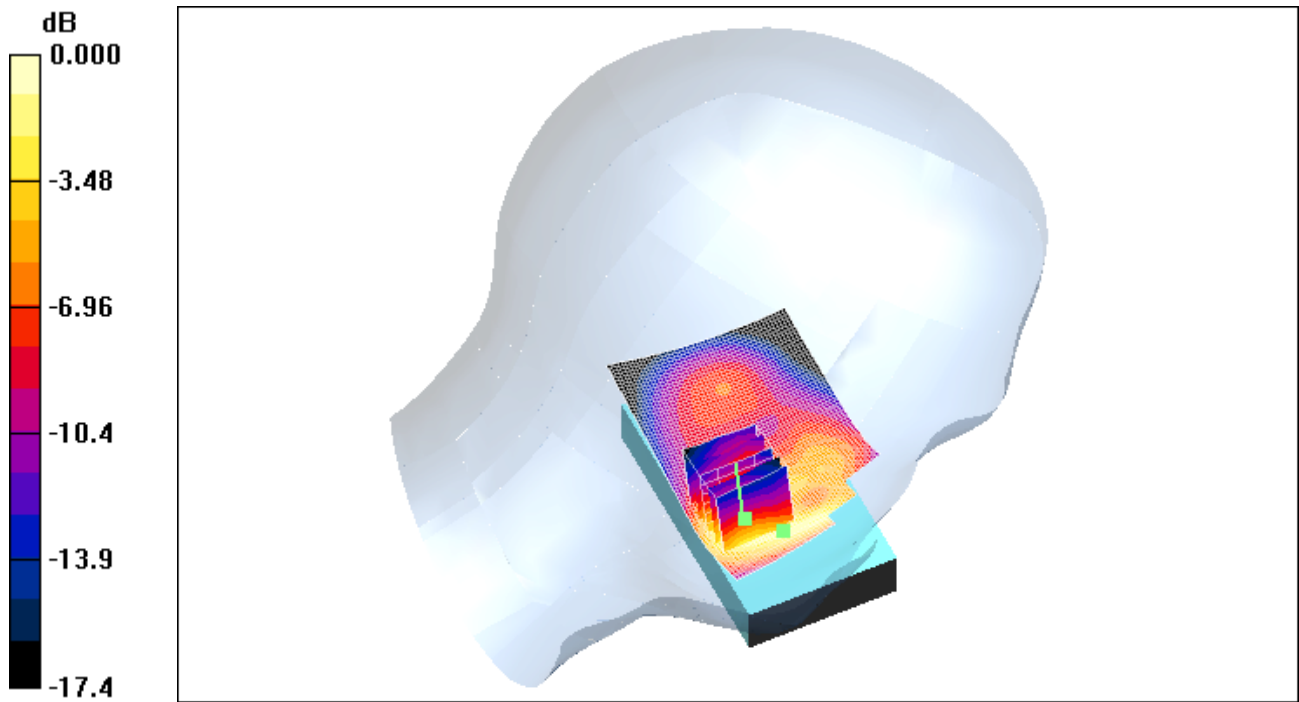
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.20 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 12.8 V/m; Power Drift = 0.007 dB  
Peak SAR (extrapolated) = 1.75 W/kg  
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.625 mW/g**  
Maximum value of SAR (measured) = 1.18 mW/g

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0 dB = 1.18mW/g

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Date/Time: 11/08/2009 8:21:55 PM

Test Laboratory: RTS

File Name:

[LeftHandSide UMTS band II high chan amb temp 22.9 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.44 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/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) = 1.39 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 13.5 V/m; Power Drift = -0.168 dB

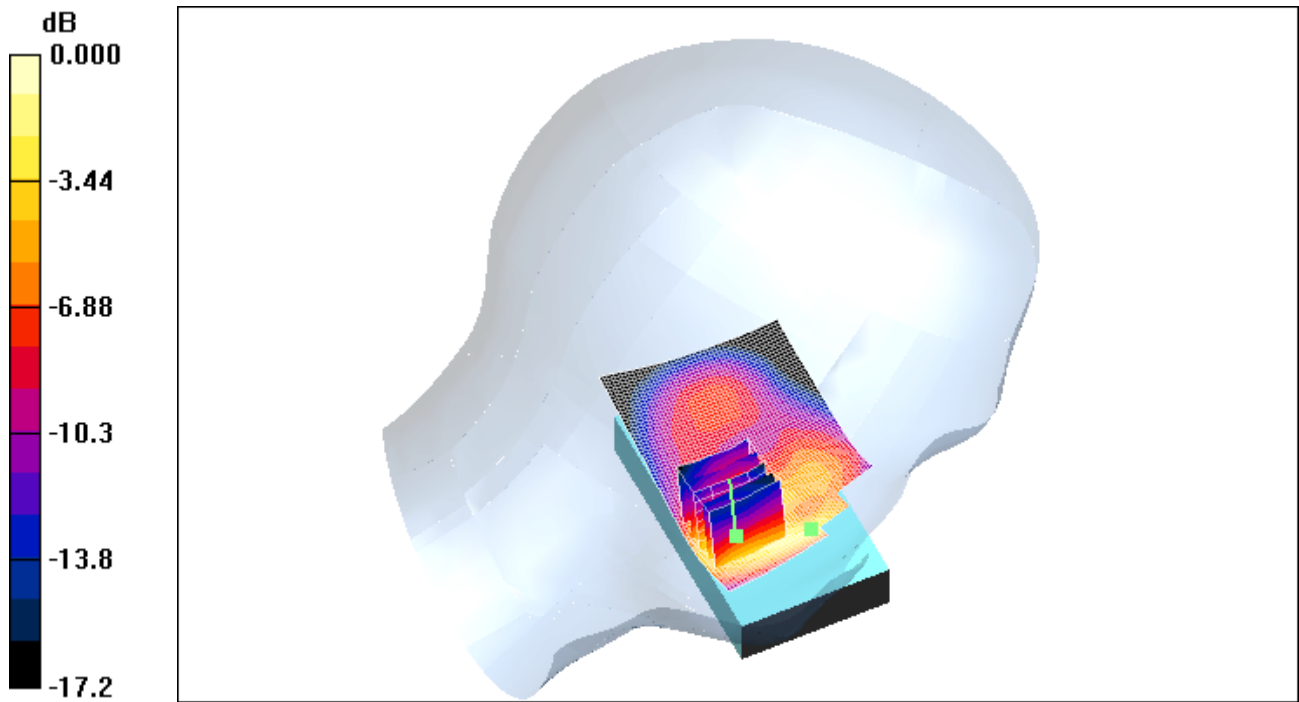
Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.712 mW/g**


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

Maximum value of SAR (measured) = 1.42 mW/g

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0 dB = 1.42mW/g

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Date/Time: 11/08/2009 8:41:37 PM

Test Laboratory: RTS

File Name:

LeftHandSide Tilt UMTS band II low chan amb temp 23.0 liq temp 22.2C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.647 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 19.7 V/m; Power Drift = -0.026 dB


Peak SAR (extrapolated) = 0.819 W/kg

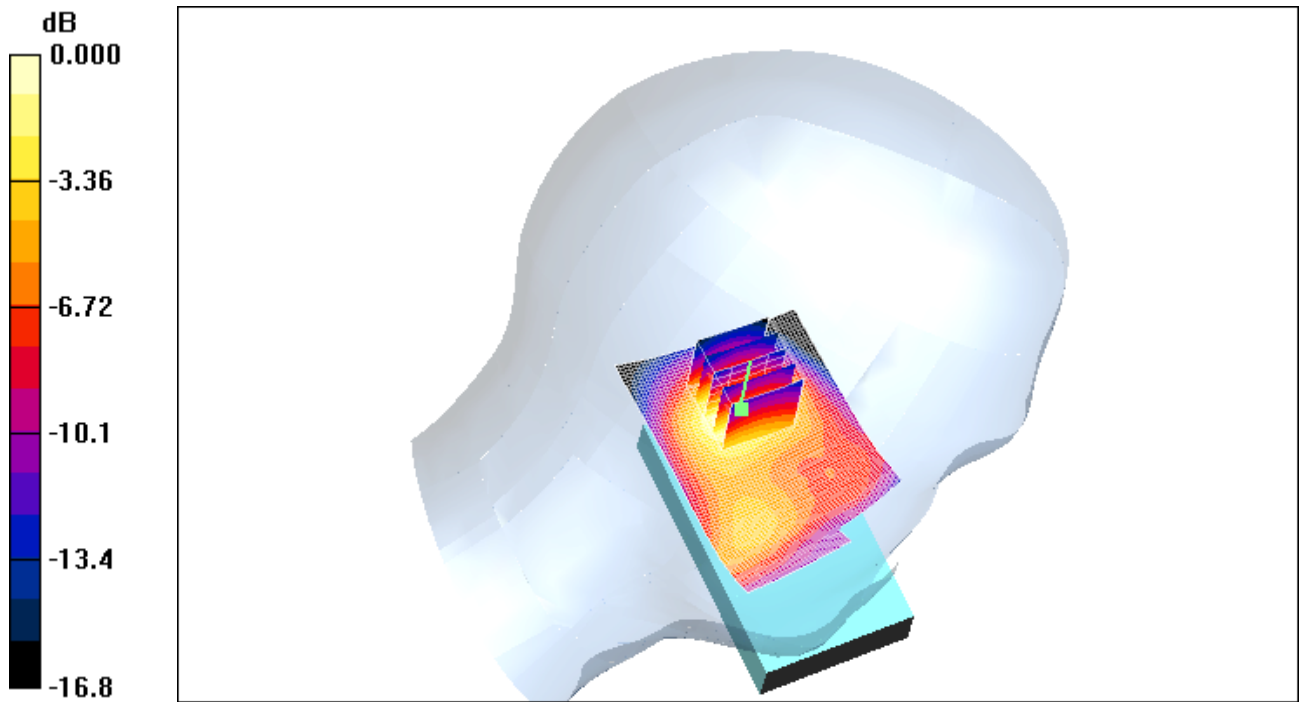
**SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.316 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.


Maximum value of SAR (measured) = 0.620 mW/g



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0 dB = 0.620mW/g

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Date/Time: 11/08/2009 9:08:48 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band II low chan amb temp 23.0 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.08 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 15.3 V/m; Power Drift = -0.039 dB

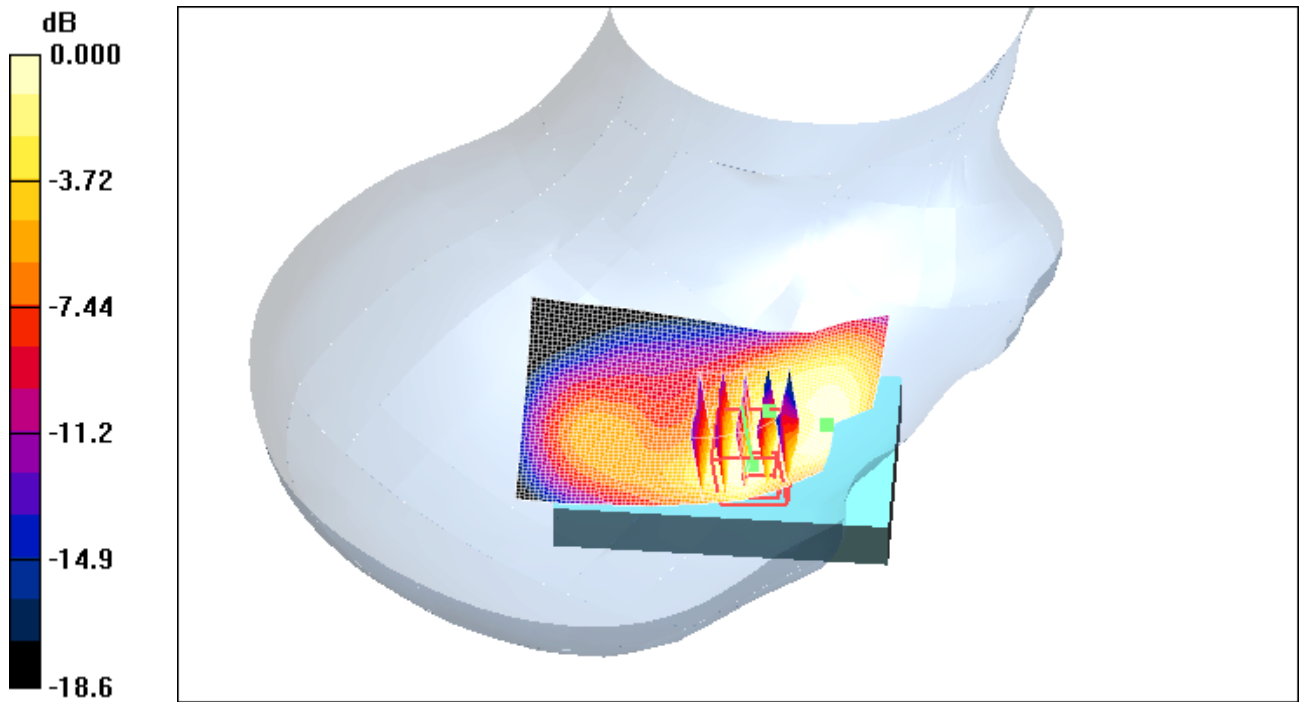
Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.589 mW/g**


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

Maximum value of SAR (measured) = 1.04 mW/g

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0 dB = 1.04mW/g

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Date/Time: 11/08/2009 9:44:33 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band II mid chan amb temp 23.0 liq temp 22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.836 mW/g


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

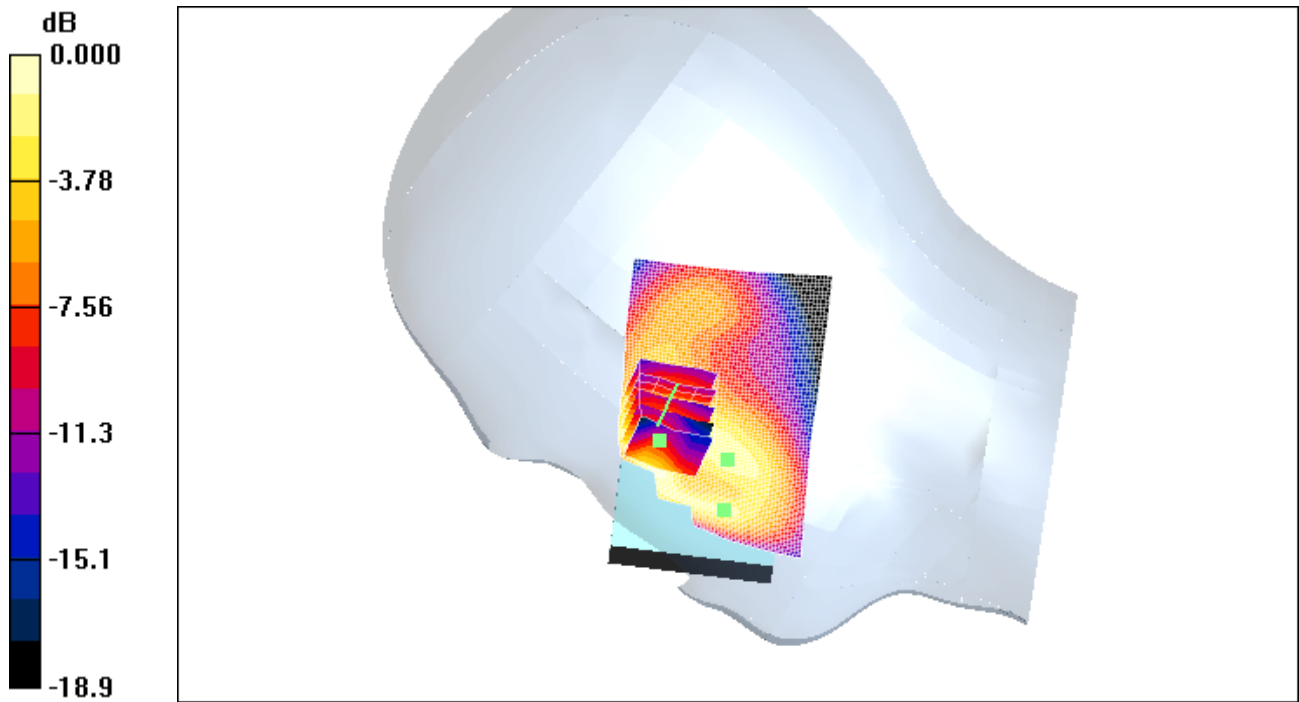
Reference Value = 12.5 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 1.07 W/kg


**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g

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0 dB = 0.810mW/g

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Date/Time: 11/08/2009 10:04:33 PM

Test Laboratory: RTS

File Name:

[RightHandSide UMTS band II high chan amb temp 23.2 liq temp 22.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.44 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/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) = 0.925 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.5 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.375 mW/g**

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

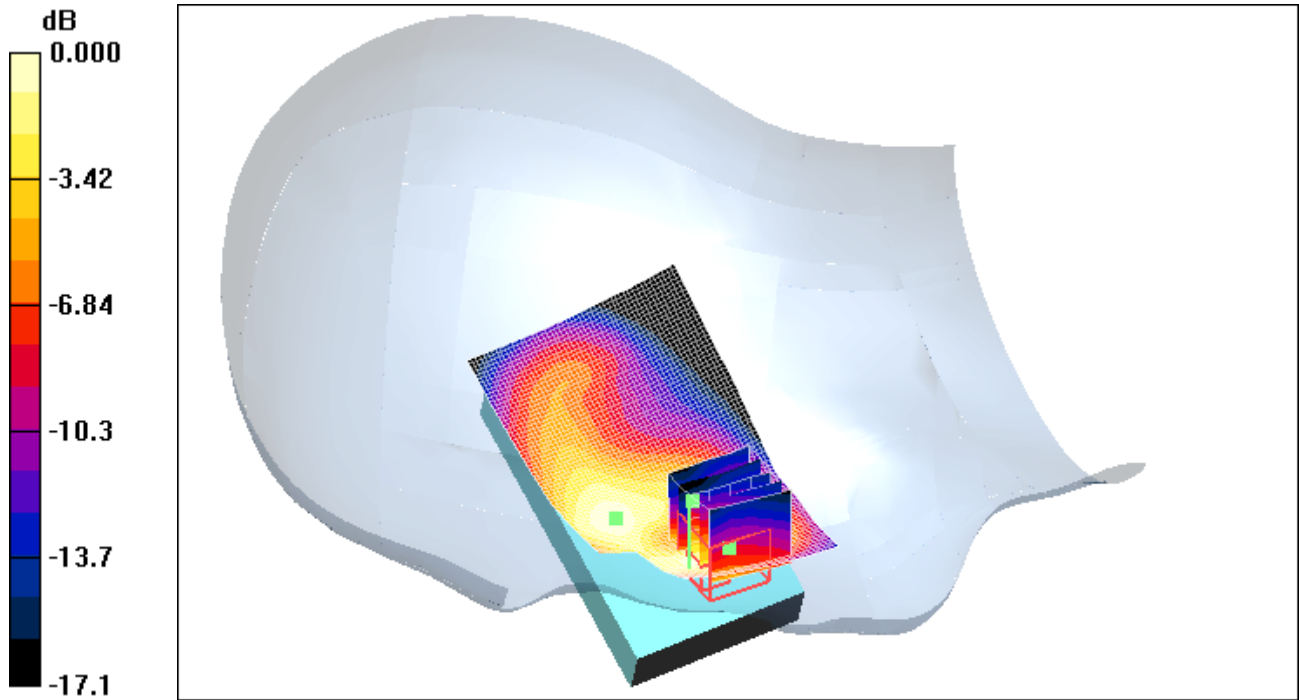
Maximum value of SAR (measured) = 0.954 mW/g

Author Data  
**Andrew Becker**


Dates of Test  
**July 15-August 20, 2009**

Test Report No  
**RTS-1689-0908-30**

FCC ID:  
**L6ARCM70UW**



0 dB = 0.954mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 11/08/2009 10:23:39 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_Tilt\\_UMTS\\_band\\_II\\_low\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(5.14, 5.14, 5.14); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.669 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 20.8 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.328 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.633 mW/g

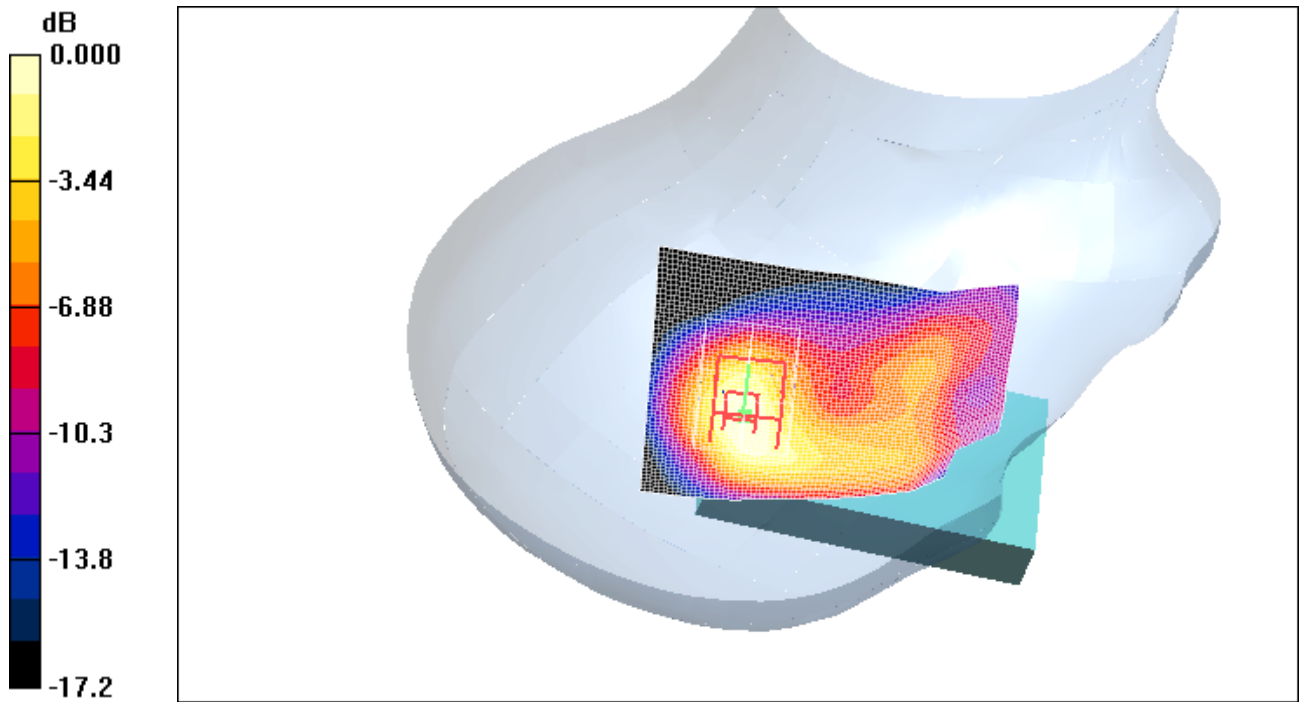


Author Data  
**Andrew Becker**


Dates of Test  
**July 15-August 20, 2009**

Test Report No  
**RTS-1689-0908-30**

FCC ID:  
**L6ARCM70UW**



0 dB = 0.633mW/g

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<b>Andrew Becker</b>	<b>July 15-August 20, 2009</b>	<b>RTS-1689-0908-30</b>	<b>L6ARCM70UW</b>

Date/Time: 20/08/2009 5:04:43 AM

Test Laboratory: RTS

File Name: LeftHandSide 802.11b low\_chan\_amb\_temp\_23.0\_liq\_temp\_22.5C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.182 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 7.12 V/m; Power Drift = -0.113 dB

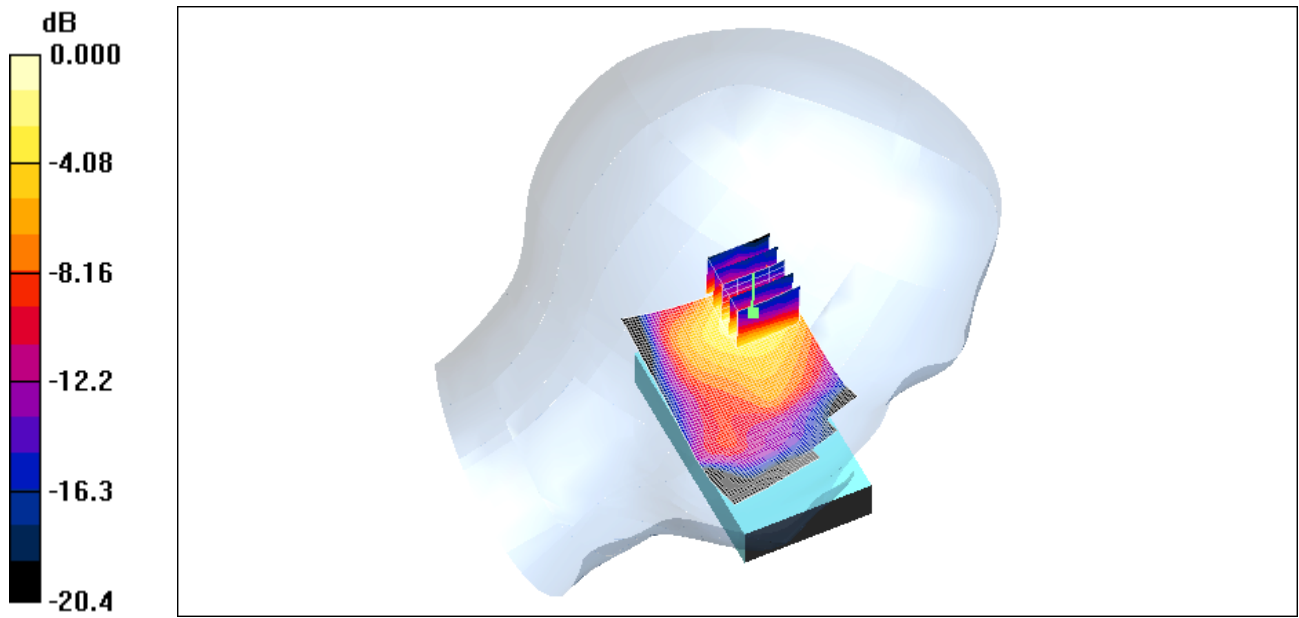
Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.079 mW/g**


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

Maximum value of SAR (measured) = 0.182 mW/g

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0 dB = 0.182mW/g

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Date/Time: 20/08/2009 5:19:20 AM

Test Laboratory: RTS

File Name:

[LeftHandSide\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_22.5C6da4.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.187 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 7.04 V/m; Power Drift = 0.000 dB

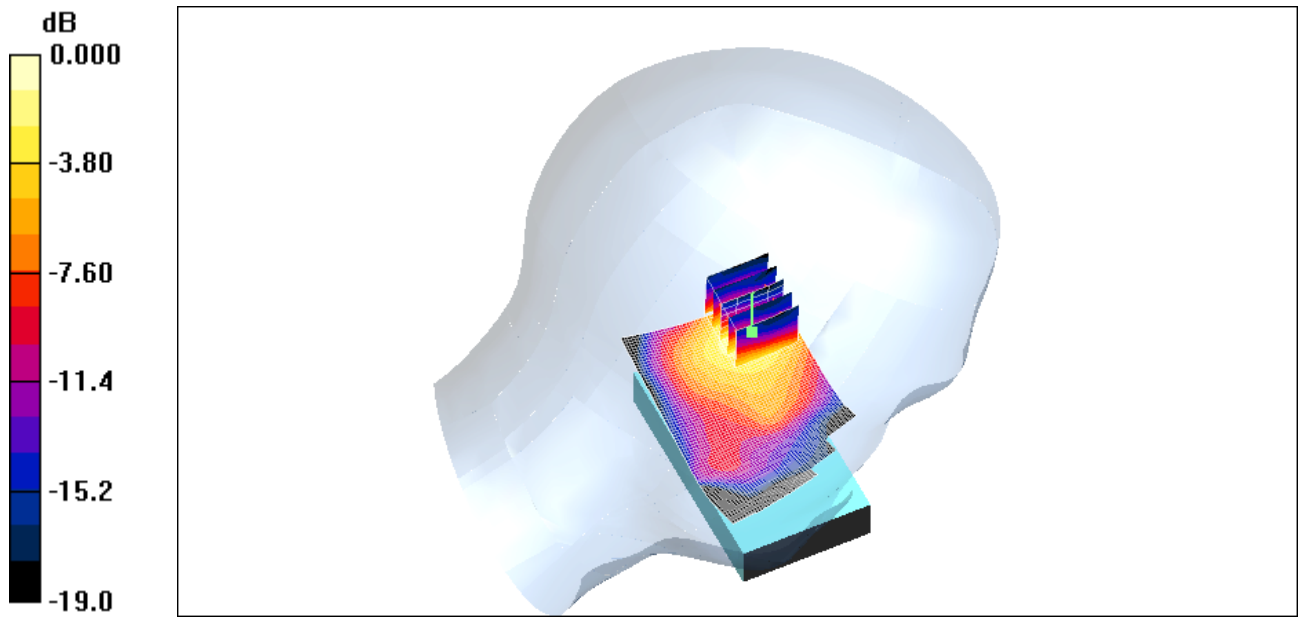
Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.081 mW/g**


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

Maximum value of SAR (measured) = 0.188 mW/g

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0 dB = 0.188mW/g

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Date/Time: 20/08/2009 5:37:34 AM

Test Laboratory: RTS

File Name: LeftHandSide 802.11b\_high\_chan\_amb\_temp\_23.0\_liq\_temp\_22.5C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.9$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.258 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 7.95 V/m; Power Drift = -0.020 dB

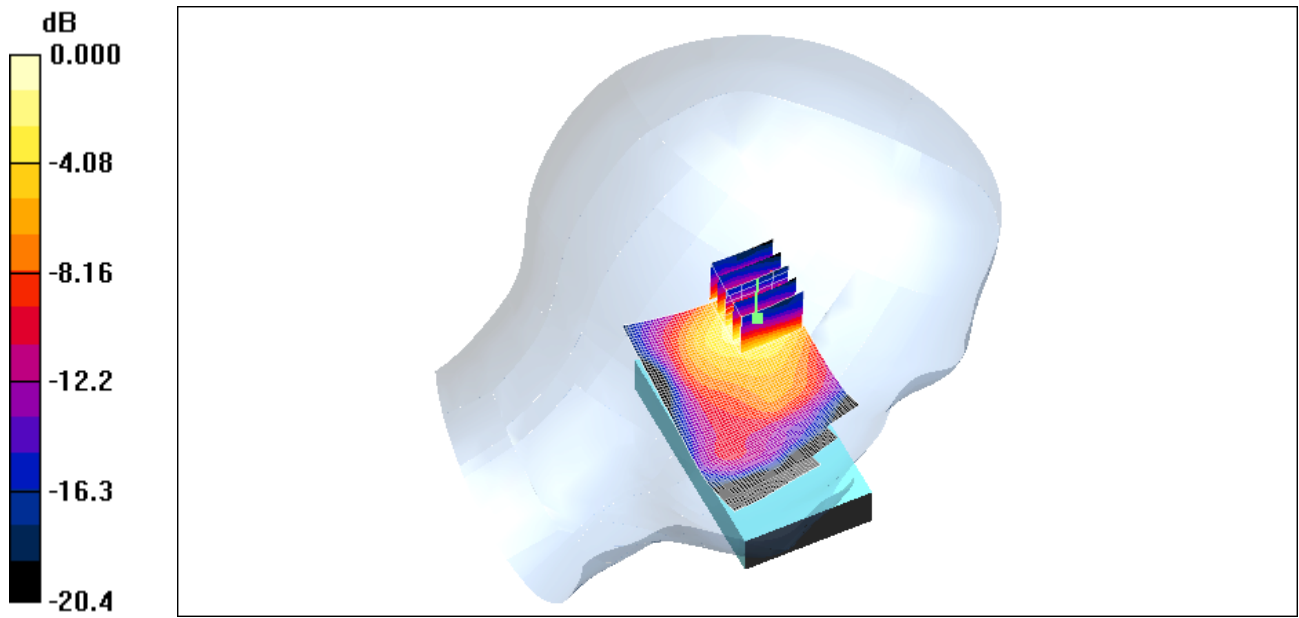
Peak SAR (extrapolated) = 0.532 W/kg

**SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.108 mW/g**


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

Maximum value of SAR (measured) = 0.251 mW/g

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0 dB = 0.251mW/g

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Date/Time: 20/08/2009 5:57:08 AM

Test Laboratory: RTS

File Name:

LeftHandSide Tilt 802.11b\_high\_chan\_amb\_temp\_23.2\_liq\_temp\_22.6C.da4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.9$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.205 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 9.17 V/m; Power Drift = -0.155 dB


Peak SAR (extrapolated) = 0.460 W/kg

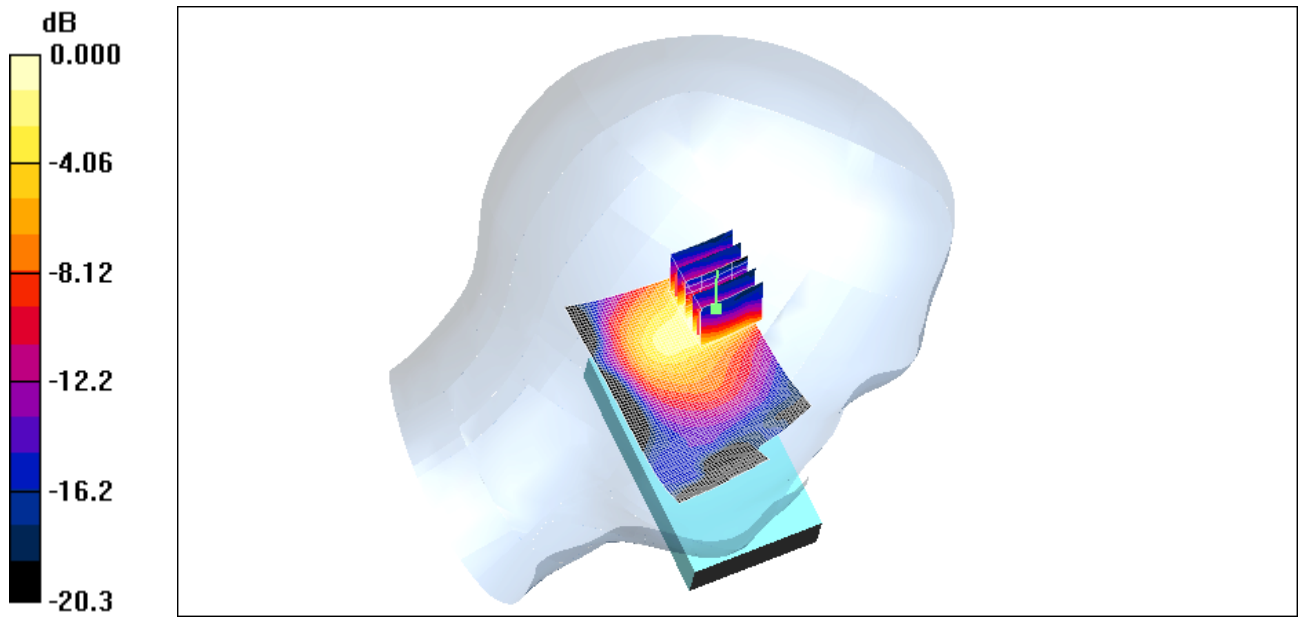
**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.097 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.


Maximum value of SAR (measured) = 0.213 mW/g



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0 dB = 0.213mW/g

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Date/Time: 20/08/2009 6:17:23 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_802.11b\\_low\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_22.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.142 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 8.74 V/m; Power Drift = -0.009 dB

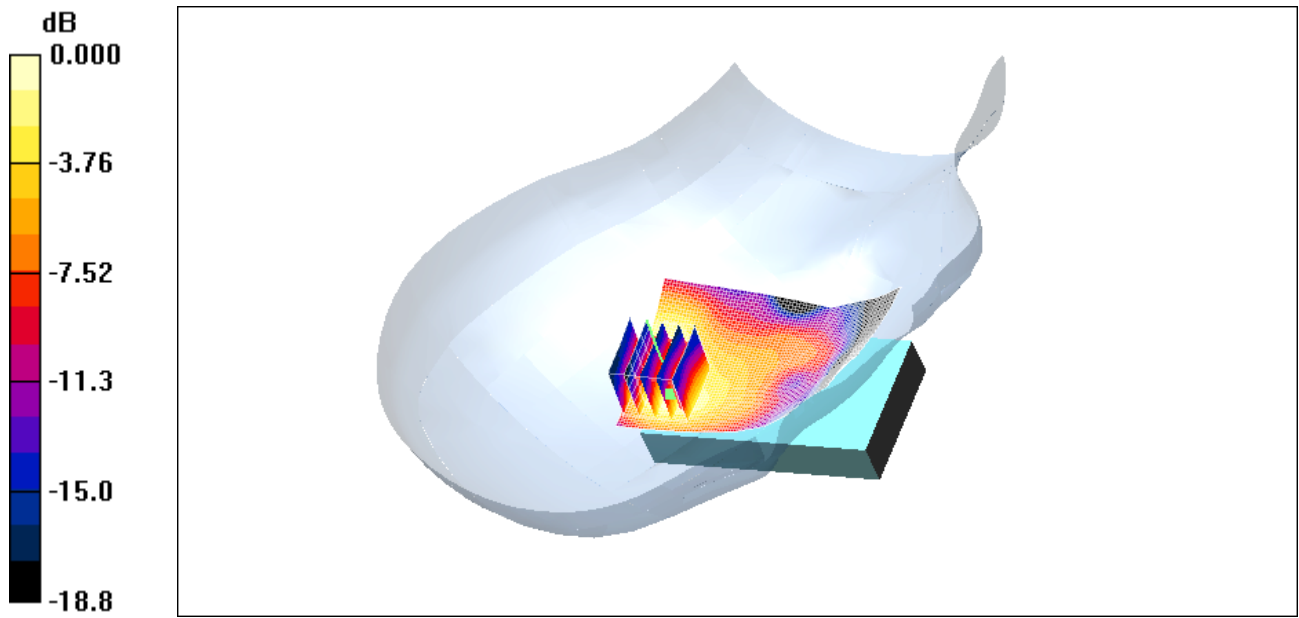
Peak SAR (extrapolated) = 0.251 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.069 mW/g**


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

Maximum value of SAR (measured) = 0.139 mW/g

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0 dB = 0.139mW/g

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Date/Time: 20/08/2009 6:36:12 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_22.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.155 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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


Reference Value = 9.10 V/m; Power Drift = -0.063 dB

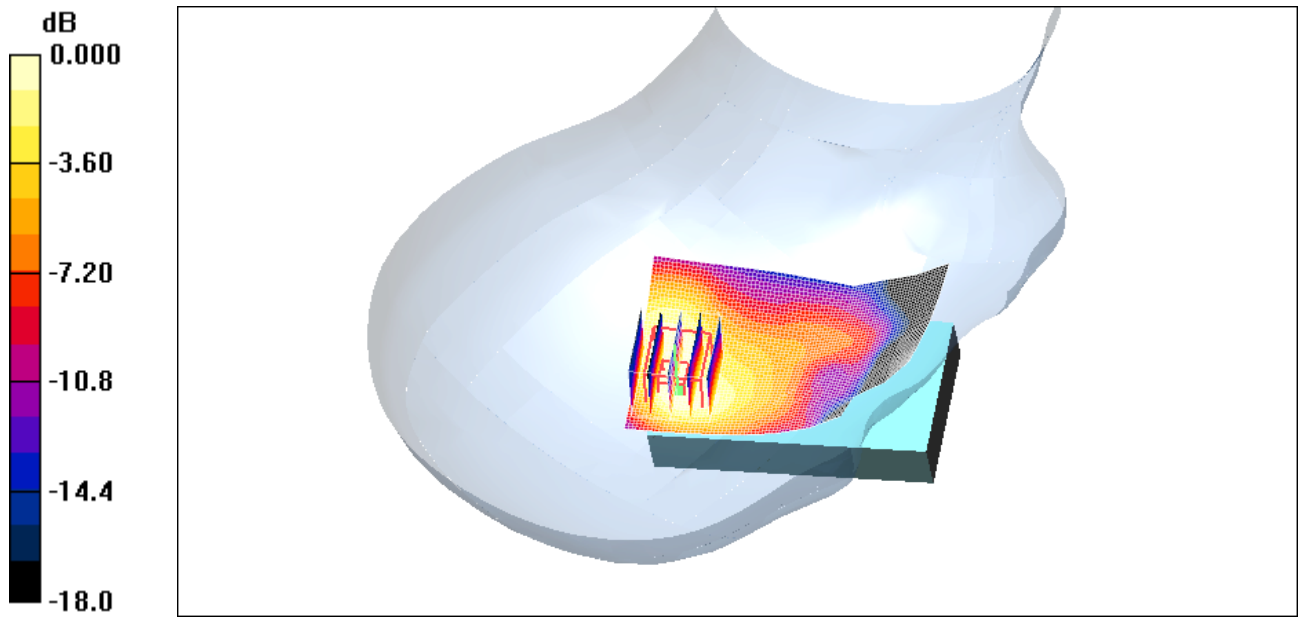
Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.073 mW/g**


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

Maximum value of SAR (measured) = 0.142 mW/g

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0 dB = 0.142mW/g

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Date/Time: 20/08/2009 6:54:47 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_802.11b\\_high\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_22.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.9 \text{ mho/m}$ ;  $\epsilon_r = 38.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.158 mW/g

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


Reference Value = 9.01 V/m; Power Drift = -0.128 dB

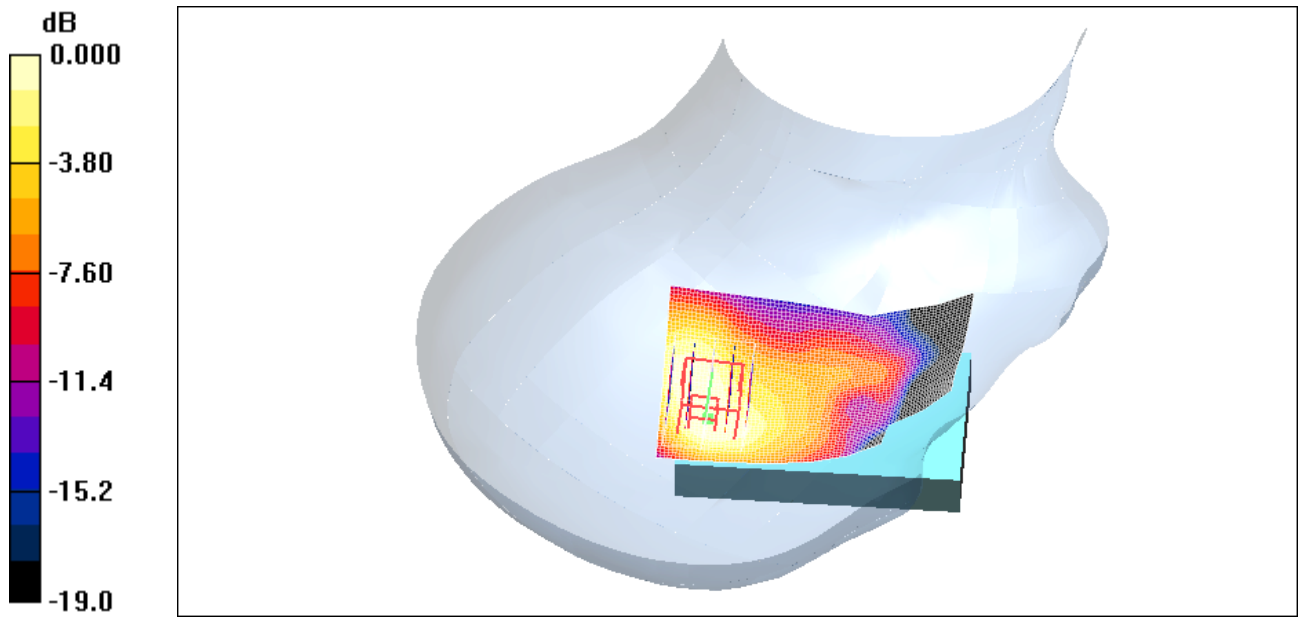
Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.073 mW/g**


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

Maximum value of SAR (measured) = 0.142 mW/g

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0 dB = 0.142mW/g

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Date/Time: 20/08/2009 7:14:40 AM

Test Laboratory: RTS

File Name:

[RightHandSide\\_Tilt\\_802.11b\\_high\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_22.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 211A6F9F**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.9 \text{ mho/m}$ ;  $\epsilon_r = 38.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.54, 4.54, 4.54); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.196 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 9.39 V/m; Power Drift = 0.161 dB


Peak SAR (extrapolated) = 0.314 W/kg

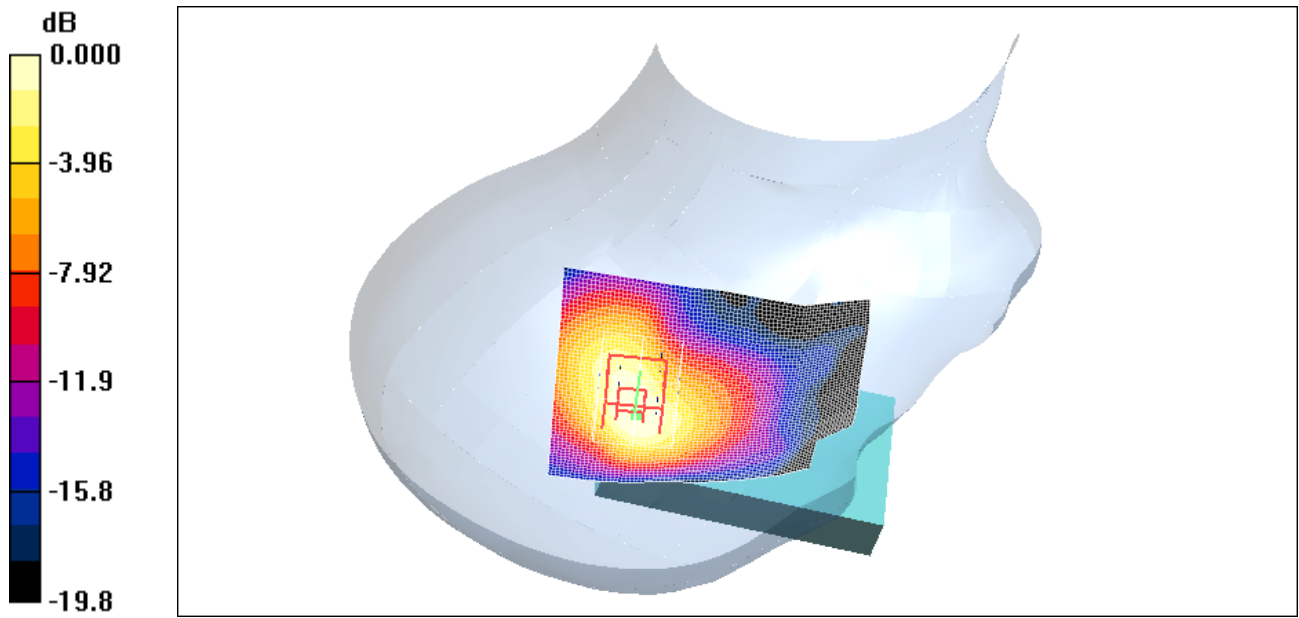
**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.085 mW/g**

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


Maximum value of SAR (measured) = 0.173 mW/g



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0 dB = 0.173mW/g

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**Z axis plot for the worst case head configuration:**

