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APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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EDGE/GPRS 850

Date: 7/4/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Right-Hand-Side HSL - DTM 850

Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz

Medium Parameters used: $f=836.8$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.840$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-

slot_chan190_amb_temp_23.3C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid:

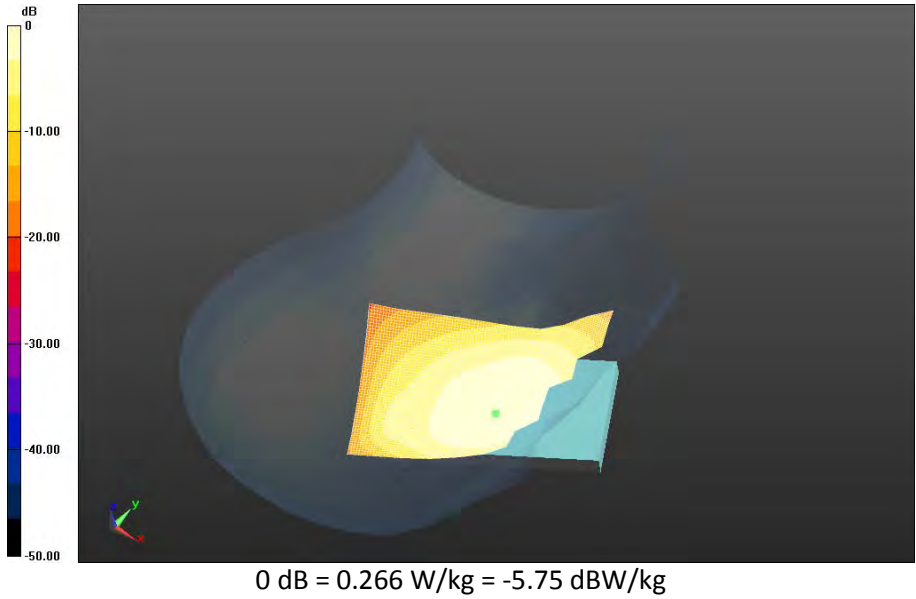
dx=1.500 mm, dy=1.500 mm

Reference Value = 8.315 V/m; **Power Drift = 0.087 dB**

Fast SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.160 W/kg

Maximum value of SAR (interpolated) = 0.266 W/kg

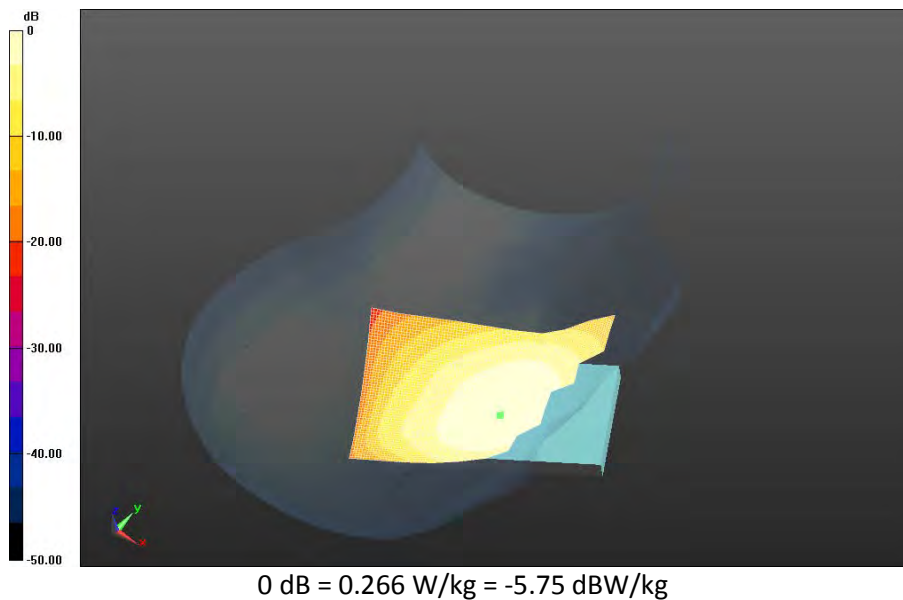
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**Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-
slot_chan190_amb_temp_23.0C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.518 V/m; **Power Drift = -0.260 dB**

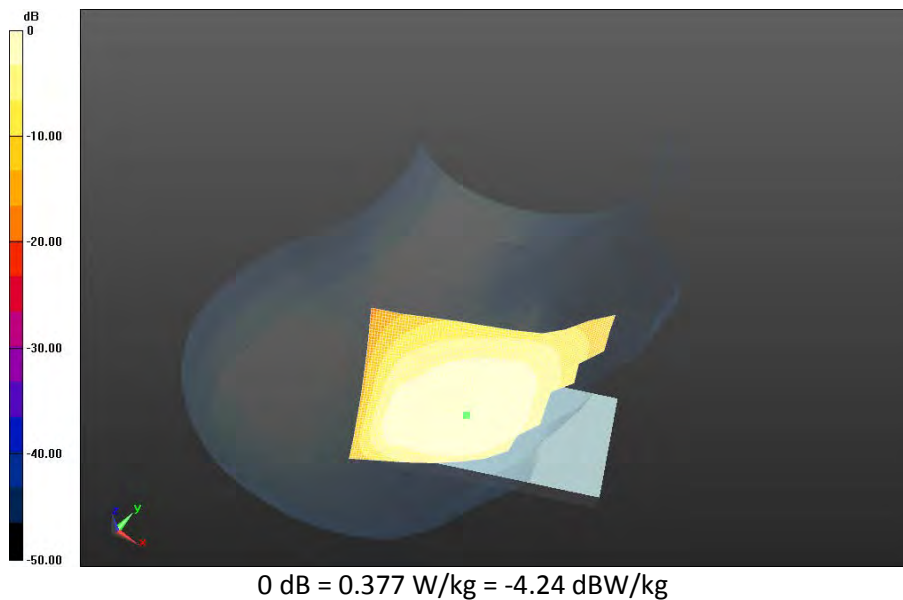
Fast SAR: SAR(1g) = 0.329 W/kg; SAR(10g) = 0.227 W/kg
Maximum value of SAR (interpolated) = 0.377 W/kg



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**Right-Hand-Side HSL - DTM 850/Tilt Position - DTM850_3-
slot_chan190_amb_temp_23.0C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 14.342 V/m; **Power Drift = -0.203 dB**

Fast SAR: SAR(1g) = 0.270 W/kg; SAR(10g) = 0.188 W/kg
Maximum value of SAR (interpolated) = 0.305 W/kg



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Date: 7/4/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE30D

Configuration: Left-Hand-Side HSL - DTM 850

Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz

Medium Parameters used: $f=836.8$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.840$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-

slot_chan190_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid:

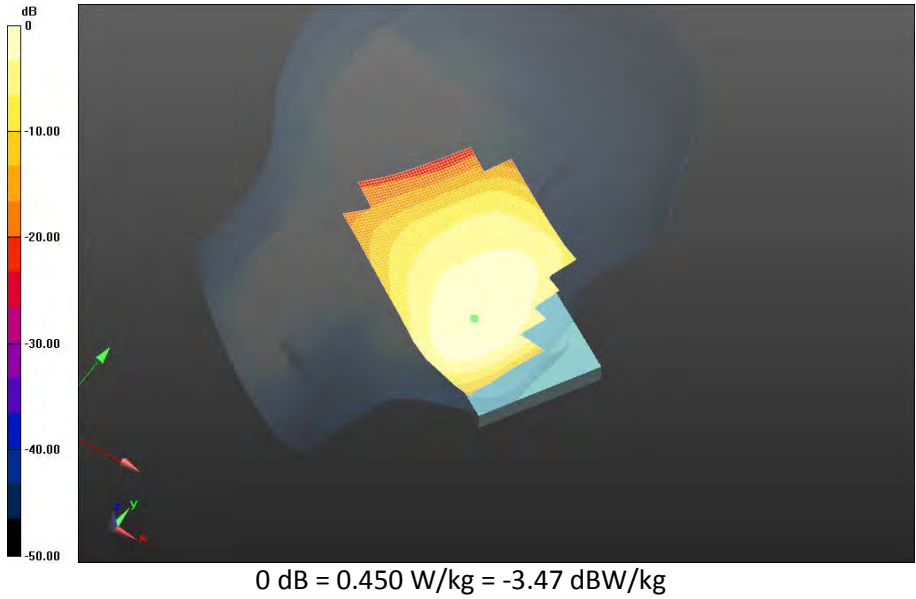
$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 8.148 V/m; **Power Drift = 0.072 dB**

Fast SAR: SAR(1g) = 0.389 W/kg; SAR(10g) = 0.261 W/kg

Maximum value of SAR (interpolated) = 0.450 W/kg

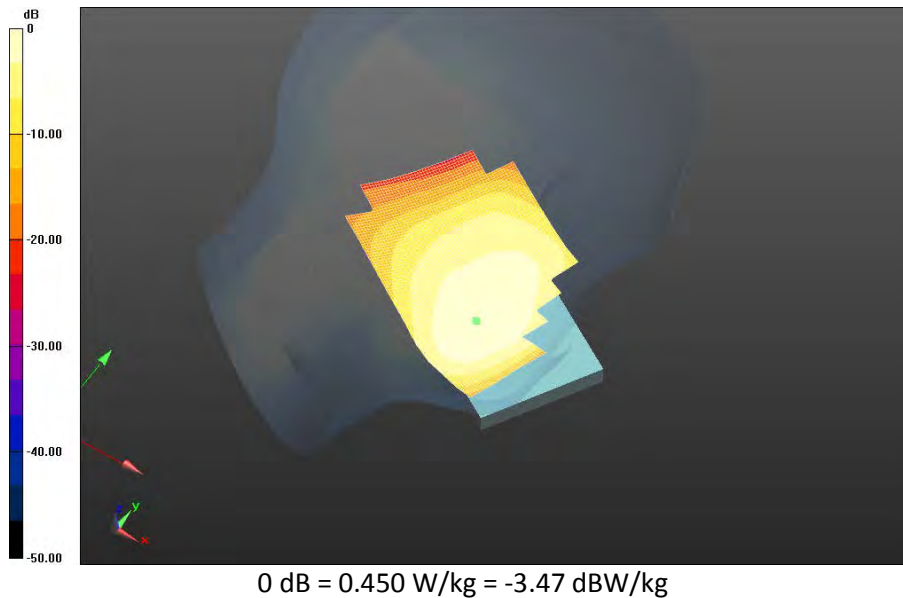
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**Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_2-
slot_chan190_amb_temp_23.4C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.638 V/m; **Power Drift = -0.022 dB****

**Fast SAR: SAR(1g) = 0.435 W/kg; SAR(10g) = 0.293 W/kg
Maximum value of SAR (interpolated) = 0.504 W/kg**



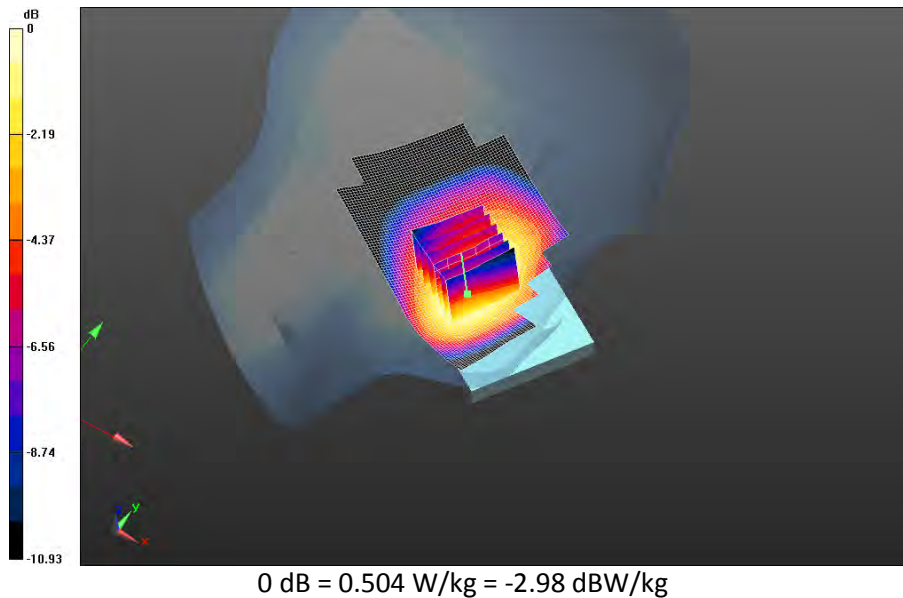
		Document Appendix B for the BlackBerry® Smartphone Model RHB121LW SAR Report		Page 9(85)
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Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slot_chan128_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.268 V/m; **Power Drift = -0.062 dB**

Fast SAR: SAR(1g) = 0.466 W/kg; SAR(10g) = 0.314 W/kg
Maximum value of SAR (interpolated) = 0.539 W/kg

Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slot_chan128_amb_temp_23.4C_liq_temp_22.1C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.268 V/m; **Power Drift = -0.062 dB**

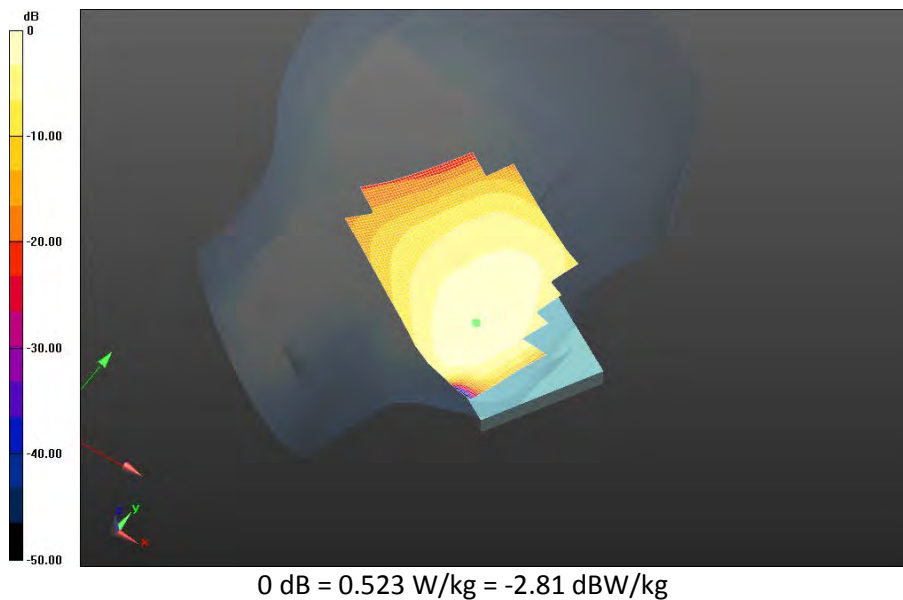
Averaged SAR: SAR(1g) = 0.467 W/kg; SAR(10g) = 0.343 W/kg
Maximum value of SAR (interpolated) = 0.625 W/kg



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**Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-
slot_chan190_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.173 V/m; **Power Drift = 0.327 dB****

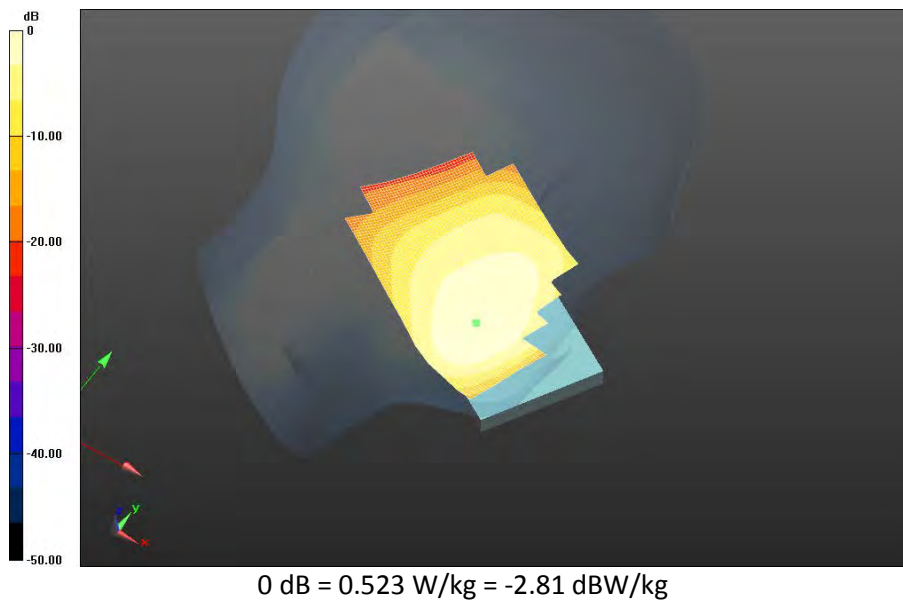
**Fast SAR: SAR(1g) = 0.451 W/kg; SAR(10g) = 0.303 W/kg
Maximum value of SAR (interpolated) = 0.523 W/kg**



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**Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-
slot_chan251_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.660 V/m; **Power Drift = -0.035 dB**

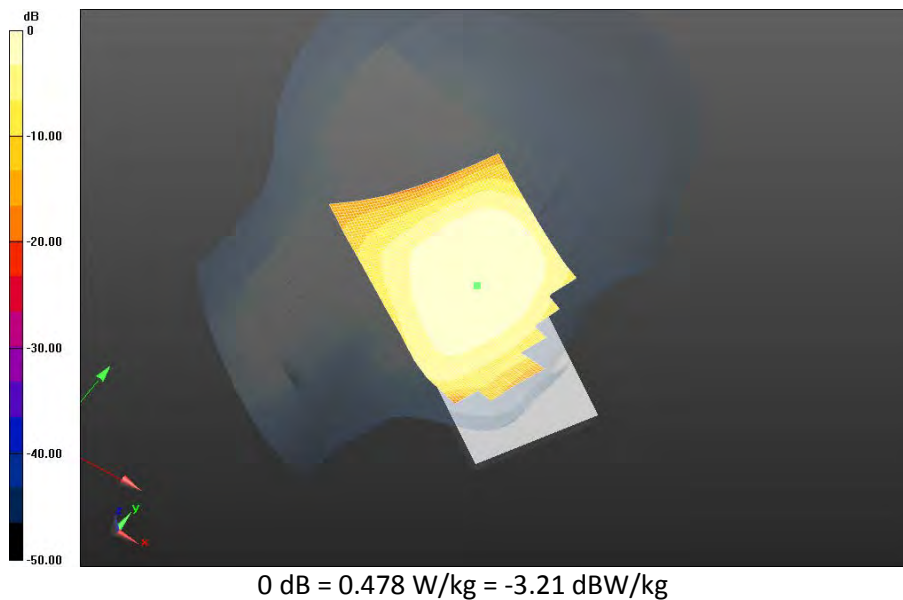
Fast SAR: SAR(1g) = 0.413 W/kg; SAR(10g) = 0.278 W/kg
Maximum value of SAR (interpolated) = 0.478 W/kg



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**Left-Hand-Side HSL - DTM 850/Tilt Position -DTM850_3-
slot_chan190_amb_temp_23.9C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 13.852 V/m; **Power Drift = 0.092 dB**

Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.174 W/kg
Maximum value of SAR (interpolated) = 0.287 W/kg



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UMTS Band V

Date: 7/3/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Right-Hand-Side HSL - UMTS band V

Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;

Frequency: 836.4 MHz

Medium Parameters used: $f=836.4$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.845$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - UMTS band V/Touch Position - UMTS band

V_chan4182_amb_temp_23.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid:

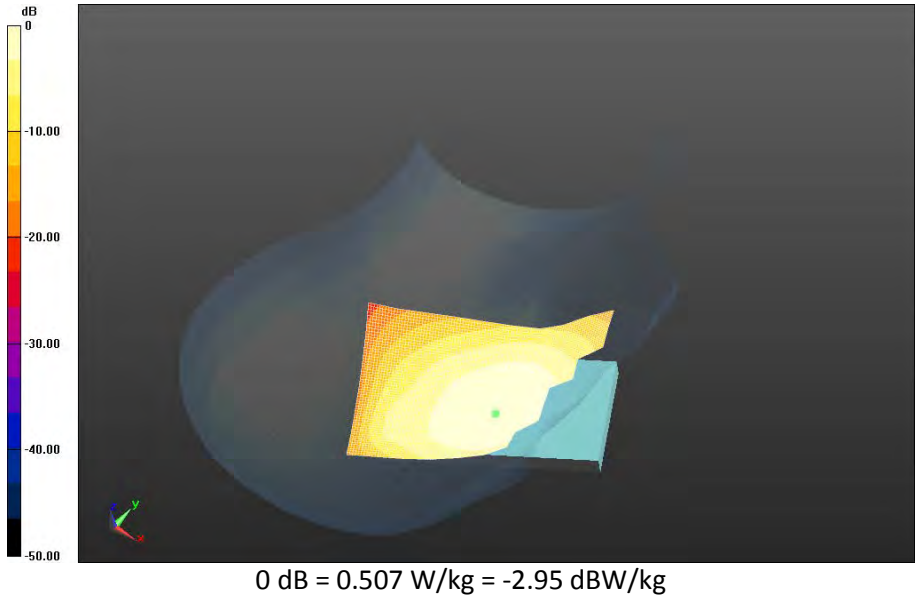
dx=1.500 mm, dy=1.500 mm

Reference Value = 11.011 V/m; **Power Drift = -0.031 dB**

Fast SAR: SAR(1g) = 0.442 W/kg; SAR(10g) = 0.303 W/kg

Maximum value of SAR (interpolated) = 0.507 W/kg

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Right-Hand-Side HSL - UMTS band V/Tilt Position - UMTS band

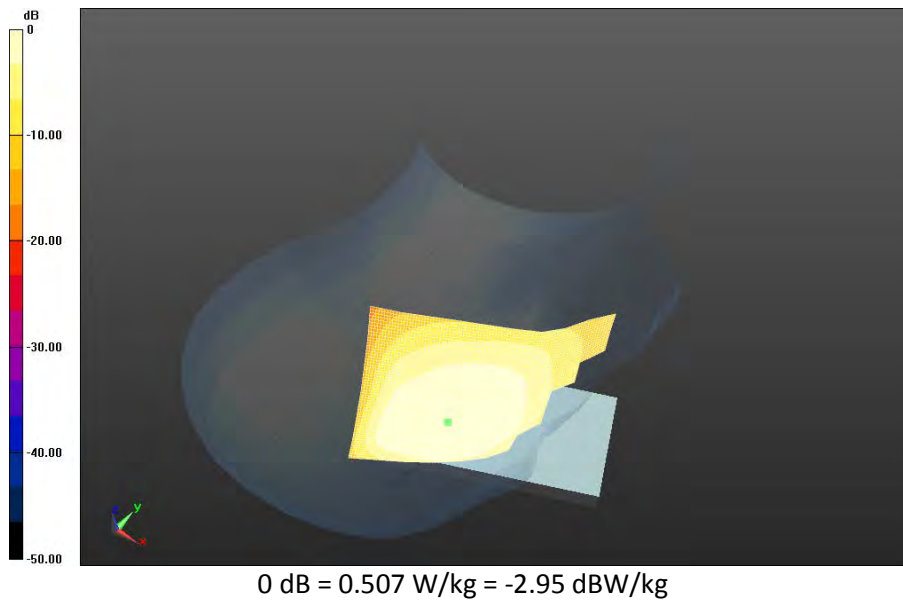
V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 16.080 V/m; **Power Drift = -0.012 dB**

Fast SAR: SAR(1g) = 0.359 W/kg; SAR(10g) = 0.249 W/kg

Maximum value of SAR (interpolated) = 0.409 W/kg



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Date: 7/3/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Left-Hand-Side HSL - UMTS band V

Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;

Frequency: 826.4 MHz

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.897$ S/m; $\epsilon_r = 41.039$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band

V_chan4132_amb_temp_23.6C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid:

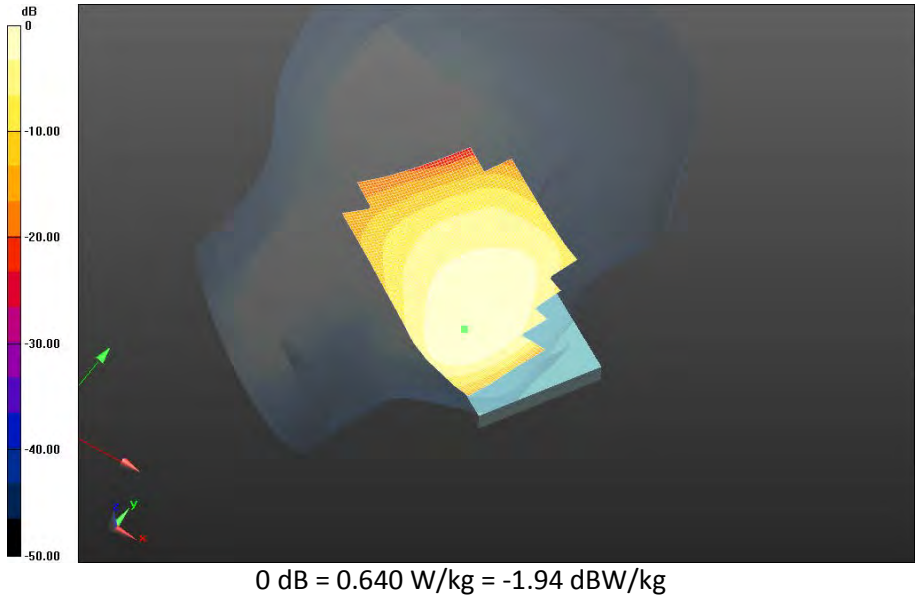
dx=1.500 mm, dy=1.500 mm

Reference Value = 11.164 V/m; **Power Drift = 0.106 dB**

Fast SAR: SAR(1g) = 0.563 W/kg; SAR(10g) = 0.390 W/kg

Maximum value of SAR (interpolated) = 0.640 W/kg

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Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band

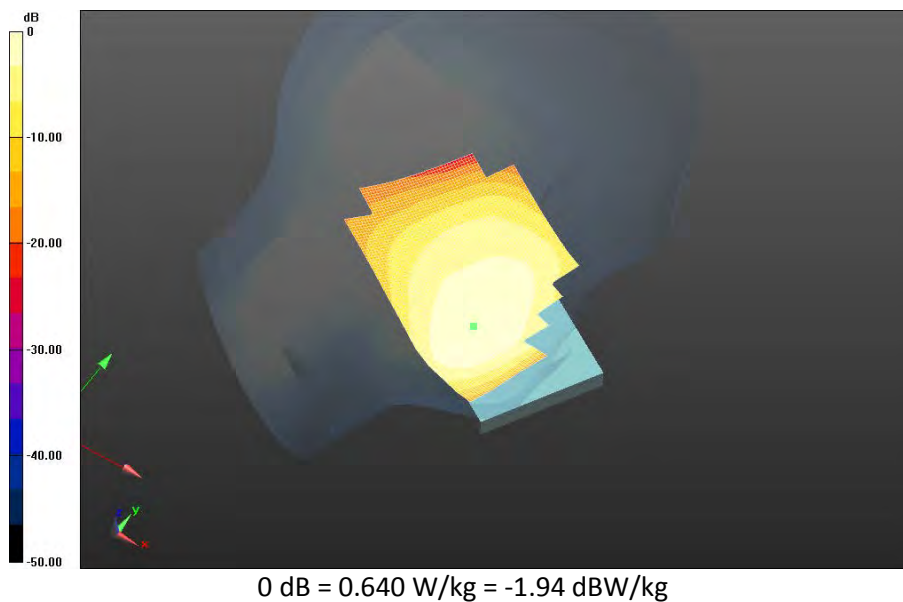
V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 11.106 V/m; **Power Drift = -0.039 dB**

Fast SAR: SAR(1g) = 0.617 W/kg; SAR(10g) = 0.414 W/kg

Maximum value of SAR (interpolated) = 0.717 W/kg



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Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band

V_chan4233_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 11.240 V/m; **Power Drift = 0.037 dB**

Fast SAR: SAR(1g) = 0.646 W/kg; SAR(10g) = 0.433 W/kg

Maximum value of SAR (interpolated) = 0.749 W/kg

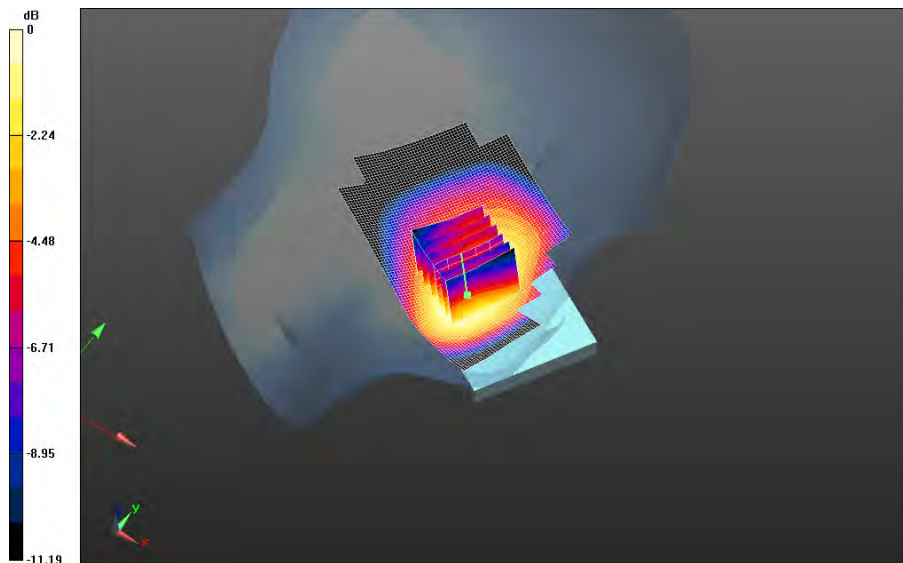
Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band

V_chan4233_amb_temp_23.9C_liq_temp_22.0C/Zoom Scan (26x26x36)/Cube 0: Interpolated
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 11.240 V/m; **Power Drift = 0.037 dB**

Averaged SAR: SAR(1g) = 0.636 W/kg; SAR(10g) = 0.463 W/kg

Maximum value of SAR (interpolated) = 0.843 W/kg



0 dB = 0.717 W/kg = -1.44 dBW/kg

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Left-Hand-Side HSL - UMTS band V/Tilt Position -UMTS band

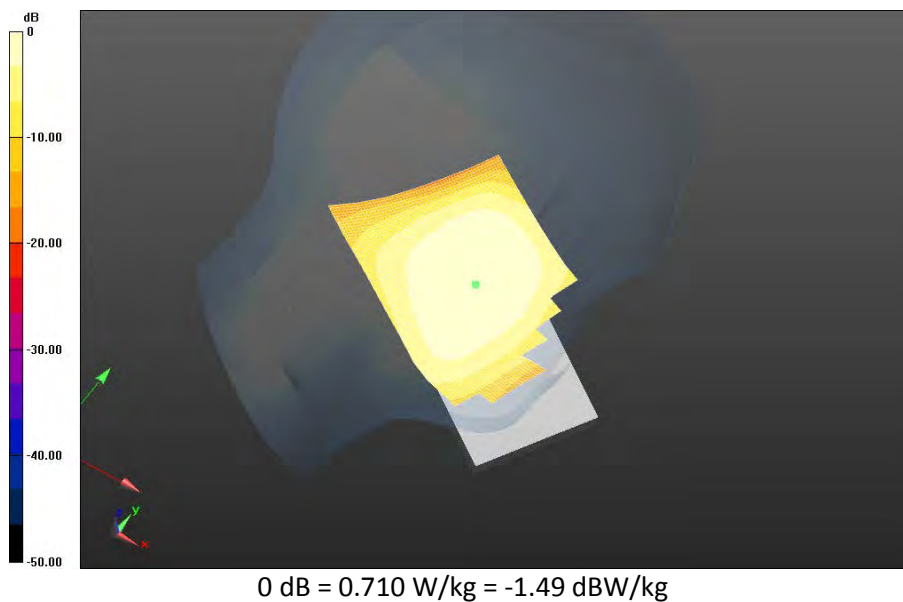
V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 16.356 V/m; **Power Drift = -0.012 dB**

Fast SAR: SAR(1g) = 0.347 W/kg; SAR(10g) = 0.241 W/kg

Maximum value of SAR (interpolated) = 0.397 W/kg



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GPRS 1900

Date: 7/10/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Right-Hand-Side HSL - DTM 1900

Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 38.685$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - DTM 1900/Touch Position - GSM1900_1-

slot_chan661_amb_temp_24.0C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid:

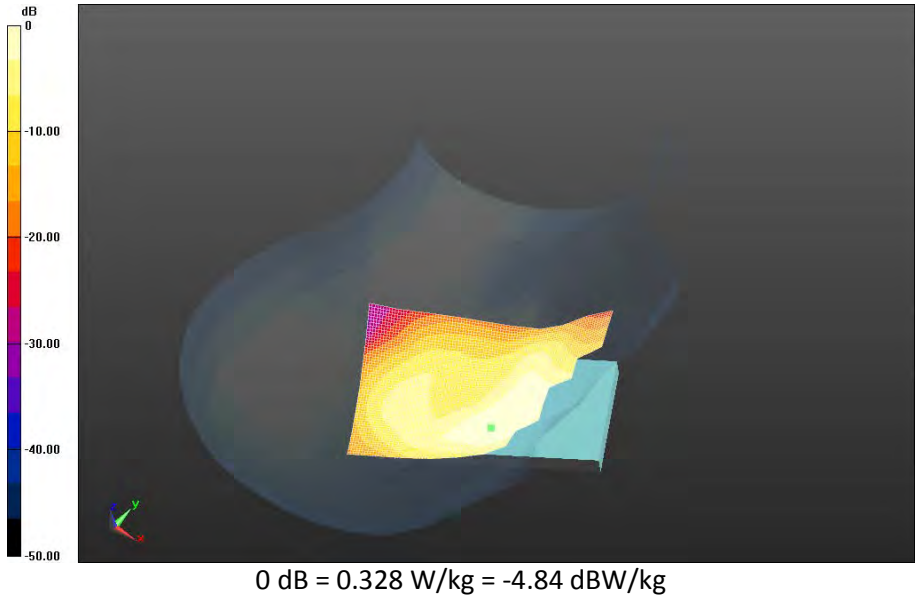
dx=1.500 mm, dy=1.500 mm

Reference Value = 8.784 V/m; **Power Drift = -0.0073 dB**

Fast SAR: SAR(1g) = 0.267 W/kg; SAR(10g) = 0.152 W/kg

Maximum value of SAR (interpolated) = 0.328 W/kg

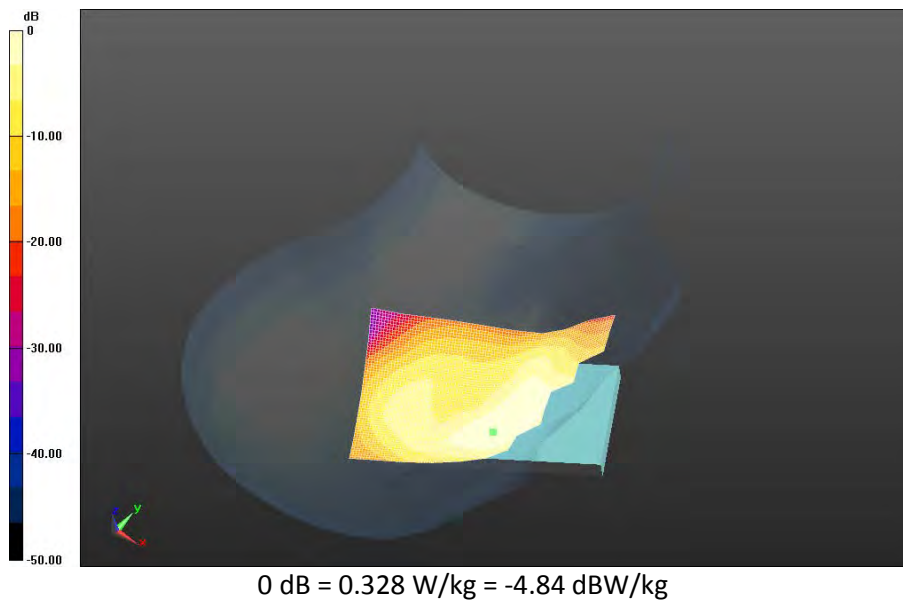
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Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan661_amb_temp_24.0C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 11.950 V/m; **Power Drift = -0.163 dB**

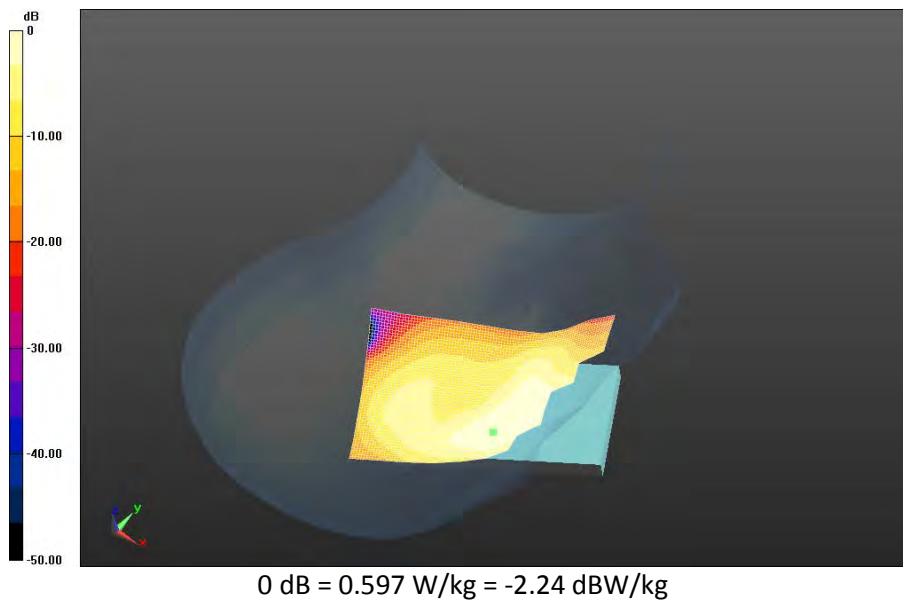
Fast SAR: SAR(1g) = 0.486 W/kg; SAR(10g) = 0.277 W/kg
Maximum value of SAR (interpolated) = 0.597 W/kg



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**Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_3-
slot_chan661_amb_temp_23.9C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 10.016 V/m; **Power Drift = -0.010 dB****

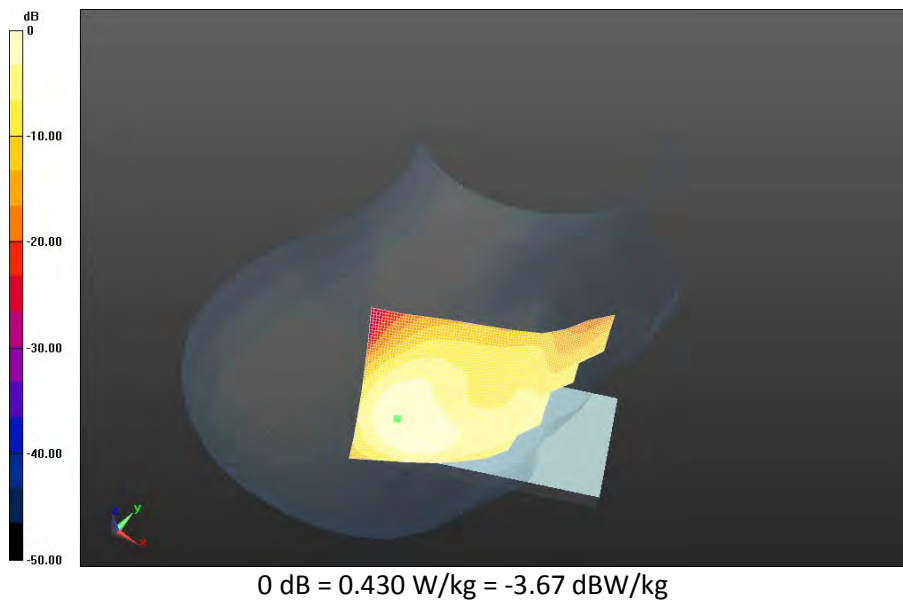
**Fast SAR: SAR(1g) = 0.351 W/kg; SAR(10g) = 0.201 W/kg
Maximum value of SAR (interpolated) = 0.430 W/kg**



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**Right-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-
slot_chan661_amb_temp_23.7C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.573 V/m; **Power Drift = -0.051 dB****

**Fast SAR: SAR(1g) = 0.198 W/kg; SAR(10g) = 0.118 W/kg
Maximum value of SAR (interpolated) = 0.243 W/kg**



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Date: 7/10/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE30D

Configuration: Left-Hand-Side HSL - DTM 1900

Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 38.685$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - DTM 1900/Touch Position - GSM1900_1-

slot_chan661_amb_temp_23.5C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid:

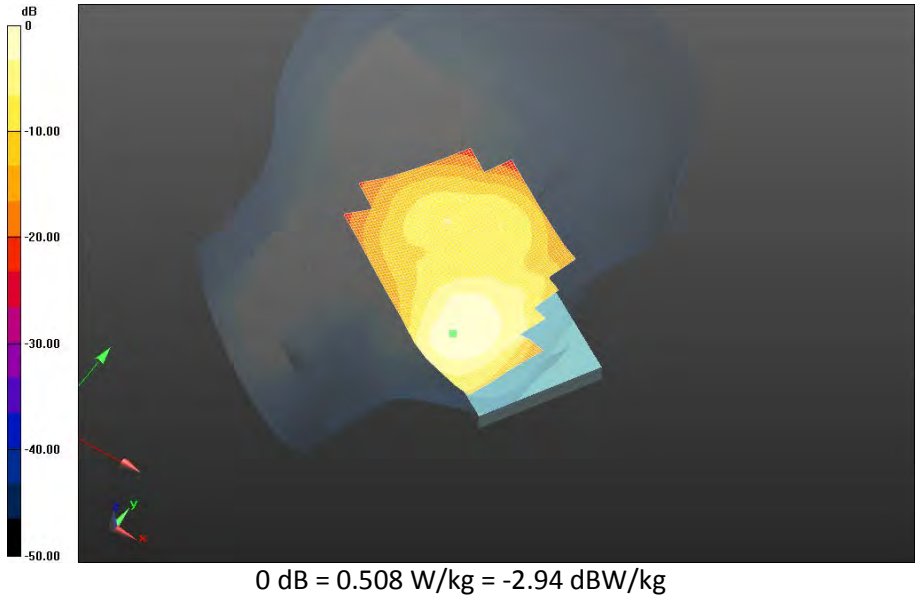
$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 8.741 V/m; **Power Drift = 0.200 dB**

Fast SAR: SAR(1g) = 0.401 W/kg; SAR(10g) = 0.224 W/kg

Maximum value of SAR (interpolated) = 0.508 W/kg

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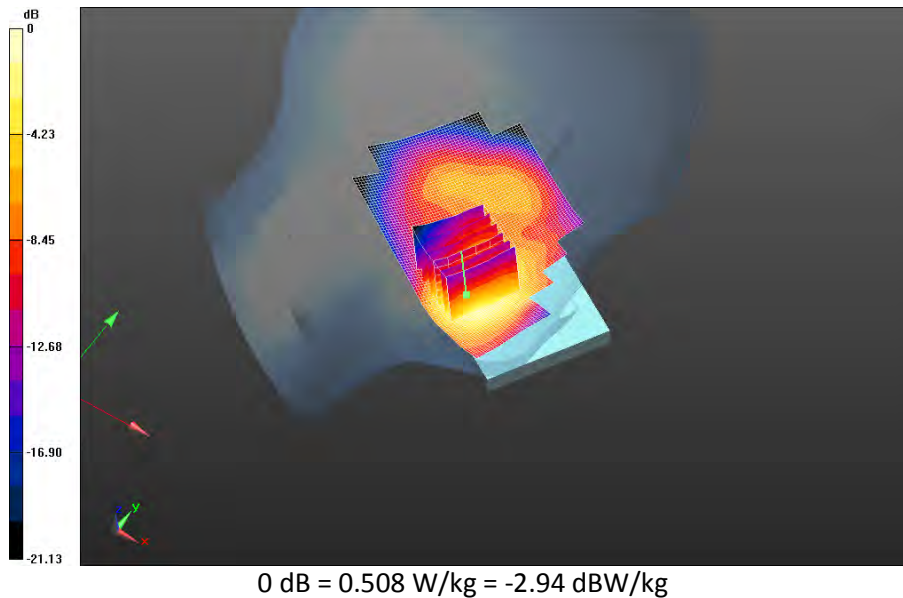
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Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan512_amb_temp_24.3C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.351 V/m; **Power Drift = -0.010 dB**

Fast SAR: SAR(1g) = 0.622 W/kg; SAR(10g) = 0.353 W/kg
Maximum value of SAR (interpolated) = 0.762 W/kg

Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan512_amb_temp_24.3C_liq_temp_21.9C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.351 V/m; **Power Drift = -0.010 dB**

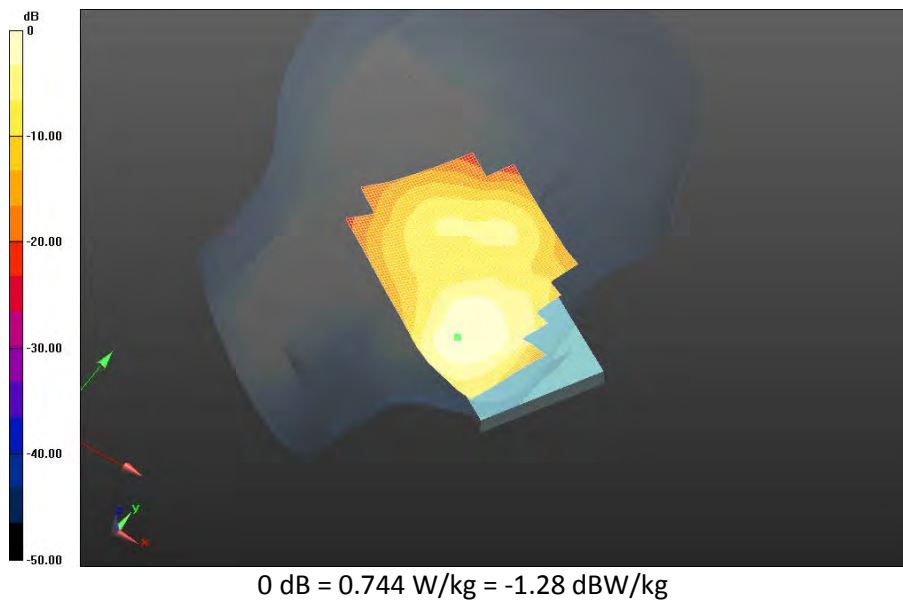
Averaged SAR: SAR(1g) = 0.635 W/kg; SAR(10g) = 0.373 W/kg
Maximum value of SAR (interpolated) = 0.973 W/kg



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Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan661_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 11.003 V/m; **Power Drift = 0.132 dB**

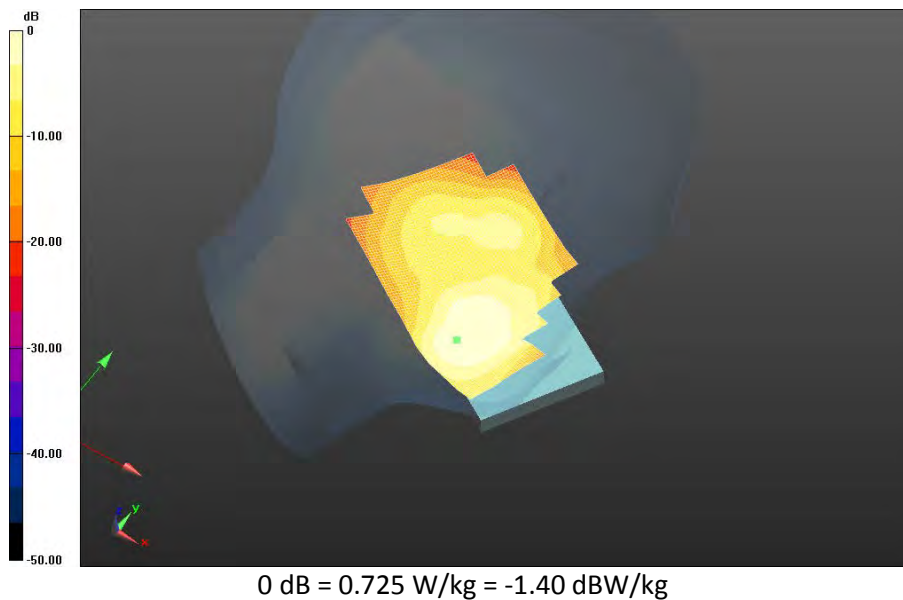
Fast SAR: SAR(1g) = 0.577 W/kg; SAR(10g) = 0.329 W/kg
Maximum value of SAR (interpolated) = 0.725 W/kg



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**Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-
slot_chan810_amb_temp_24.3C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.772 V/m; **Power Drift = -0.041 dB**

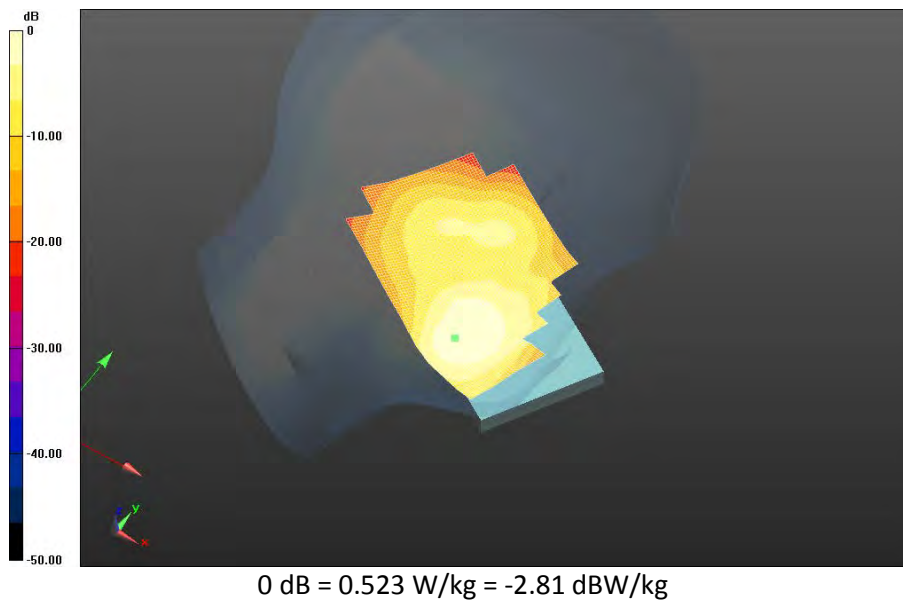
Fast SAR: SAR(1g) = 0.411 W/kg; SAR(10g) = 0.234 W/kg
Maximum value of SAR (interpolated) = 0.523 W/kg



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Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_3-slot_chan661_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 10.200 V/m; **Power Drift = -0.143 dB**

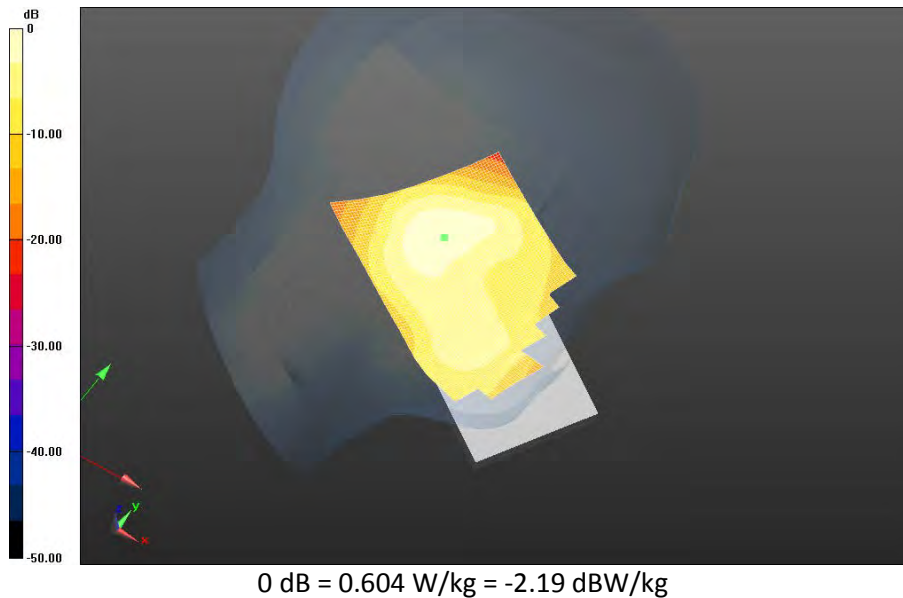
Fast SAR: SAR(1g) = 0.477 W/kg; SAR(10g) = 0.268 W/kg
Maximum value of SAR (interpolated) = 0.604 W/kg



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**Left-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-
slot_chan661_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 14.792 V/m; **Power Drift = -0.055 dB**

Fast SAR: SAR(1g) = 0.240 W/kg; SAR(10g) = 0.133 W/kg
Maximum value of SAR (interpolated) = 0.296 W/kg



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UMTS Band II

Date: 7/29/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Right-Hand-Side HSL - UMTS Band II (2)

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 39.898$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - UMTS Band II (2)/Touch Position -UMTS Band

II_chan9400_amb_temp_23.5C_liq_temp_22.8C/Area Scan (71x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.866 V/m; **Power Drift = 0.052 dB**

Fast SAR: SAR(1g) = 0.482 W/kg; SAR(10g) = 0.281 W/kg

Maximum value of SAR (interpolated) = 0.600 W/kg

Right-Hand-Side HSL - UMTS Band II (2)/Touch Position -UMTS Band

II_chan9400_amb_temp_23.5C_liq_temp_22.8C/Zoom Scan (26x26x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 14.866 V/m; **Power Drift = 0.052 dB**

Averaged SAR: SAR(1g) = 0.534 W/kg; SAR(10g) = 0.334 W/kg

Maximum value of SAR (interpolated) = 0.774 W/kg

Right-Hand-Side HSL - UMTS Band II (2)/Touch Position -UMTS Band

II_chan9400_amb_temp_23.5C_liq_temp_22.8C/Zoom Scan 2 (26x26x36)/Cube 0: Interpolated

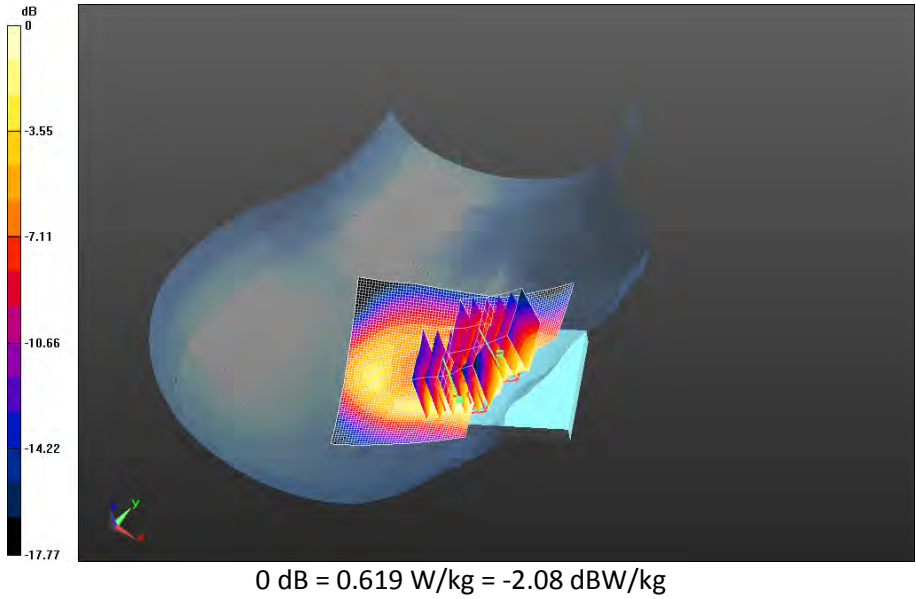
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 14.866 V/m; **Power Drift = -0.058 dB**

Averaged SAR: SAR(1g) = 0.534 W/kg; SAR(10g) = 0.325 W/kg

Maximum value of SAR (interpolated) = 0.798 W/kg

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Date: 7/9/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE30D

Configuration: Right-Hand-Side HSL - UMTS Band II

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 38.685$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - UMTS Band II/Tilt Position -UMTS Band

II_chan9400_amb_temp_23.2C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid:

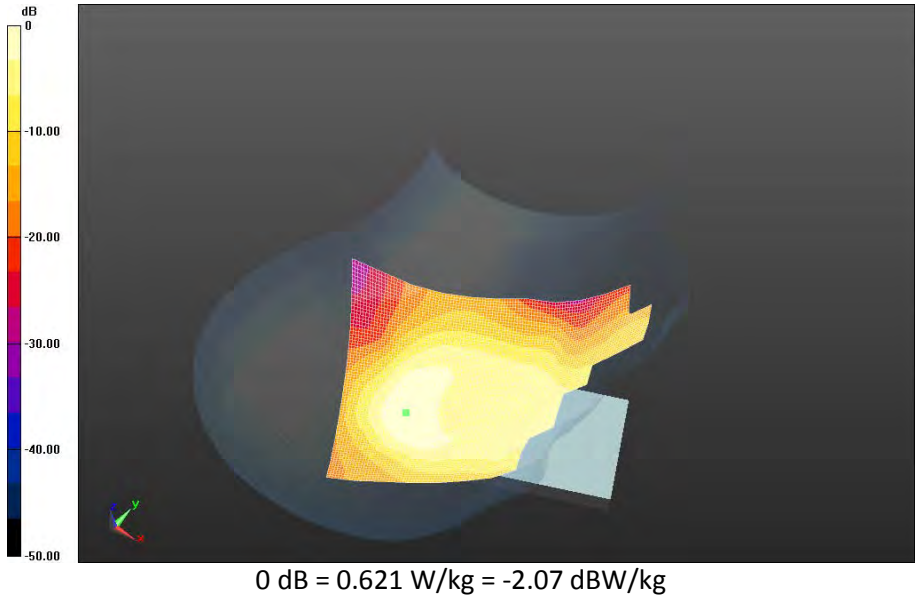
dx=1.500 mm, dy=1.500 mm

Reference Value = 17.442 V/m; **Power Drift = -0.00419 dB**

Fast SAR: SAR(1g) = 0.344 W/kg; SAR(10g) = 0.191 W/kg

Maximum value of SAR (interpolated) = 0.439 W/kg

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Date: 7/9/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Left-Hand-Side HSL - UMTS Band II

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used: $f=1852.4$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 38.796$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band

II_chan9262_amb_temp_23.1C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid:

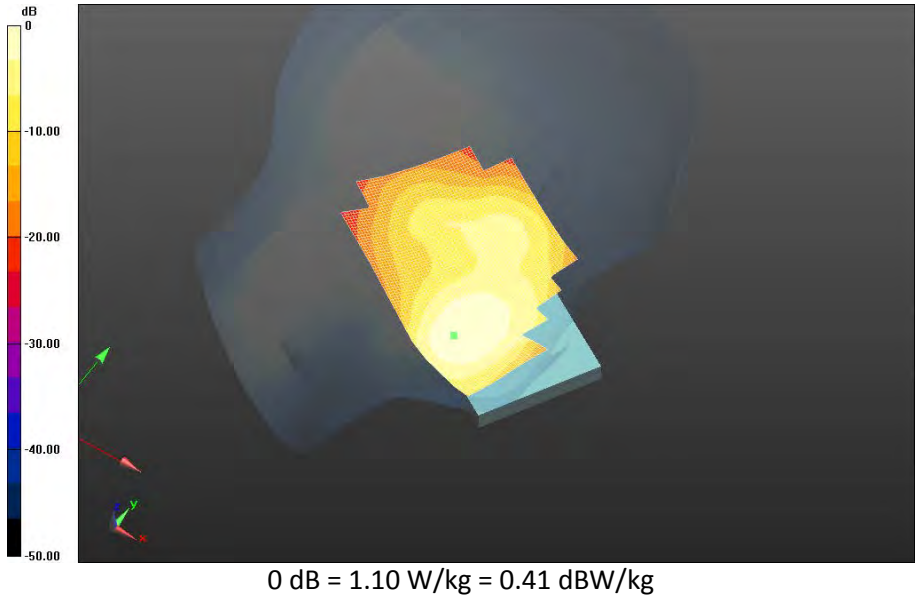
dx=1.500 mm, dy=1.500 mm

Reference Value = 12.224 V/m; **Power Drift = 0.045 dB**

Fast SAR: SAR(1g) = 0.884 W/kg; SAR(10g) = 0.500 W/kg

Maximum value of SAR (interpolated) = 1.10 W/kg

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Left-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band

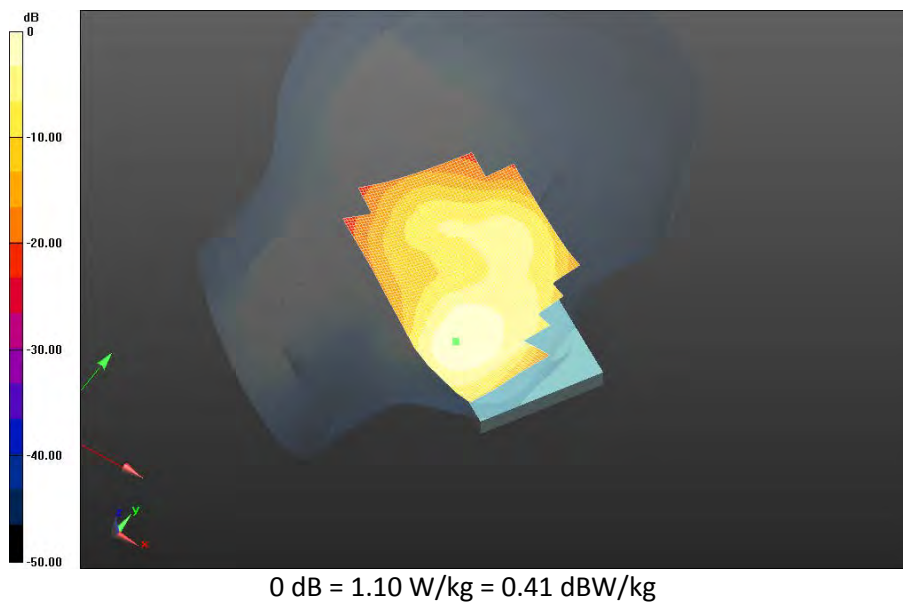
II_chan9400_amb_temp_23.3C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.269 V/m; **Power Drift = -0.097 dB**

Fast SAR: SAR(1g) = 0.842 W/kg; SAR(10g) = 0.471 W/kg

Maximum value of SAR (interpolated) = 1.06 W/kg



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Left-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band

II_chan9538_amb_temp_23.3C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 15.197 V/m; **Power Drift = 0.086 dB**

Fast SAR: SAR(1g) = 0.936 W/kg; SAR(10g) = 0.517 W/kg

Maximum value of SAR (interpolated) = 1.19 W/kg

Left-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band

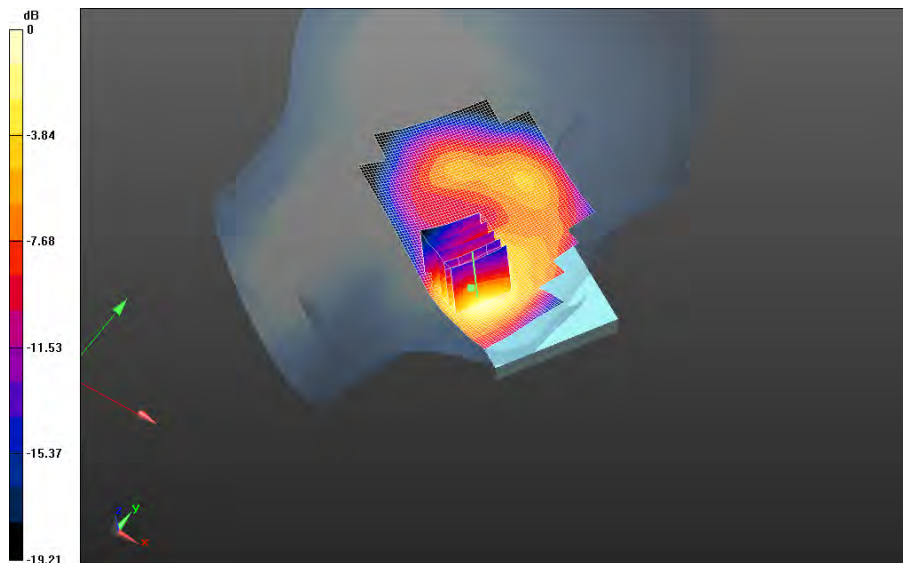
II_chan9538_amb_temp_23.3C_liq_temp_21.3C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 15.197 V/m; **Power Drift = 0.086 dB**

Averaged SAR: SAR(1g) = 0.944 W/kg; SAR(10g) = 0.541 W/kg

Maximum value of SAR (interpolated) = 1.60 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

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Left-Hand-Side HSL - UMTS Band II/Tilt Position -UMTS Band

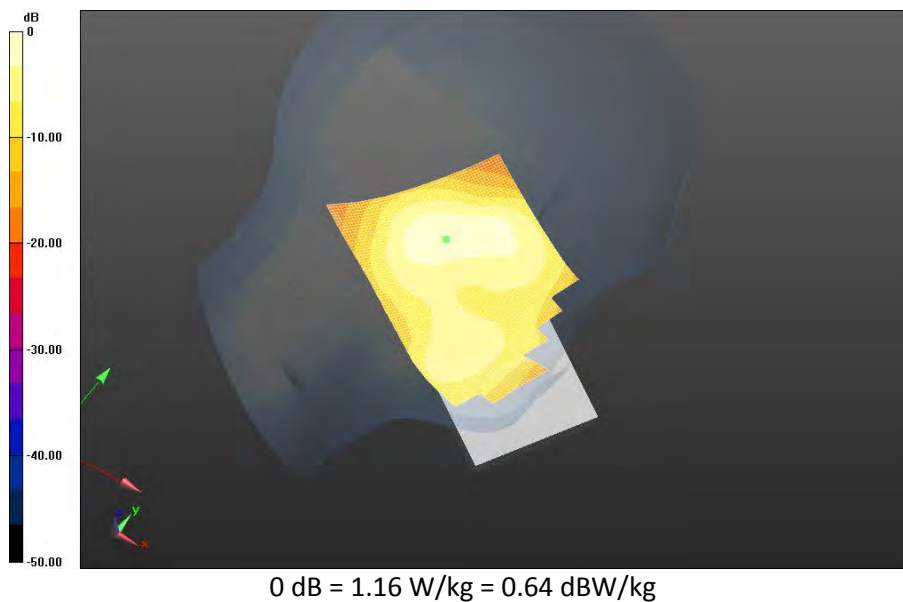
II_chan9400_amb_temp_23.1C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 17.938 V/m; **Power Drift = -0.115 dB**

Fast SAR: SAR(1g) = 0.352 W/kg; SAR(10g) = 0.192 W/kg

Maximum value of SAR (interpolated) = 0.439 W/kg



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Date: 7/29/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Left-Hand-Side HSL - UMTS Band II (2)

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1907.6 MHz

Medium Parameters used: $f=1907.6$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 39.808$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - UMTS Band II (2)/Touch Position 2nd Scan - UMTS Band

II_chan9538_amb_temp_23.5C_liq_temp_22.8C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 14.930 V/m; **Power Drift = 0.153 dB**

Fast SAR: SAR(1g) = 0.880 W/kg; SAR(10g) = 0.484 W/kg

Maximum value of SAR (interpolated) = 1.13 W/kg

Left-Hand-Side HSL - UMTS Band II (2)/Touch Position 2nd Scan - UMTS Band

II_chan9538_amb_temp_23.5C_liq_temp_22.8C/Zoom Scan (21x21x36)/Cube 0: Interpolated

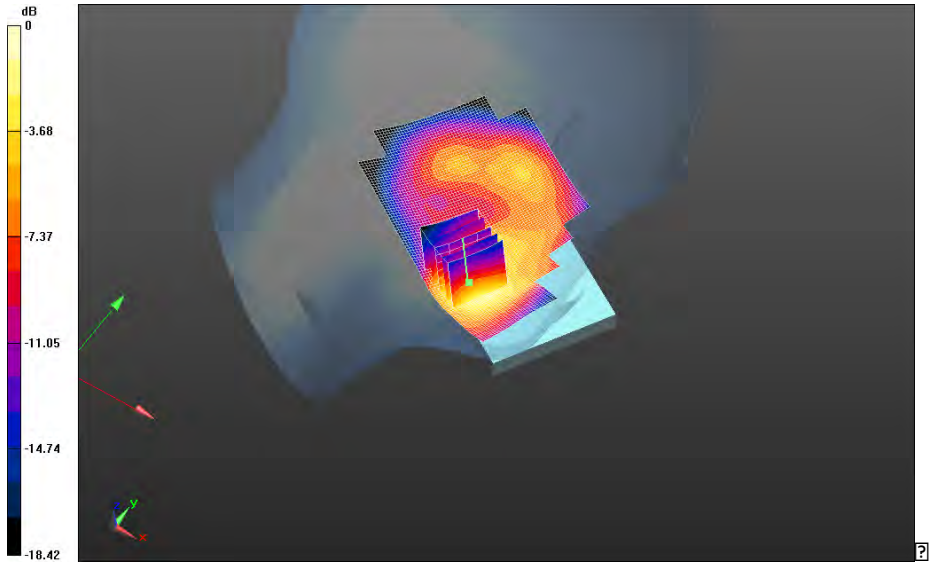
grid: $dx=1.500$ mm, $dy=1.500$ mm, $dz=1.000$ mm

Reference Value = 14.930 V/m; **Power Drift = 0.153 dB**

Averaged SAR: SAR(1g) = 0.906 W/kg; SAR(10g) = 0.515 W/kg

Maximum value of SAR (interpolated) = 1.52 W/kg

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0 dB = 1.12 W/kg = 0.49 dBW/kg

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802.11b

Date: 7/17/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;

Frequency: 2412 MHz

Medium Parameters used: $f=2412$ MHz; $\sigma = 1.840$ S/m; $\epsilon_r = 38.529$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan1_amb_temp_23.6C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.412 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position -

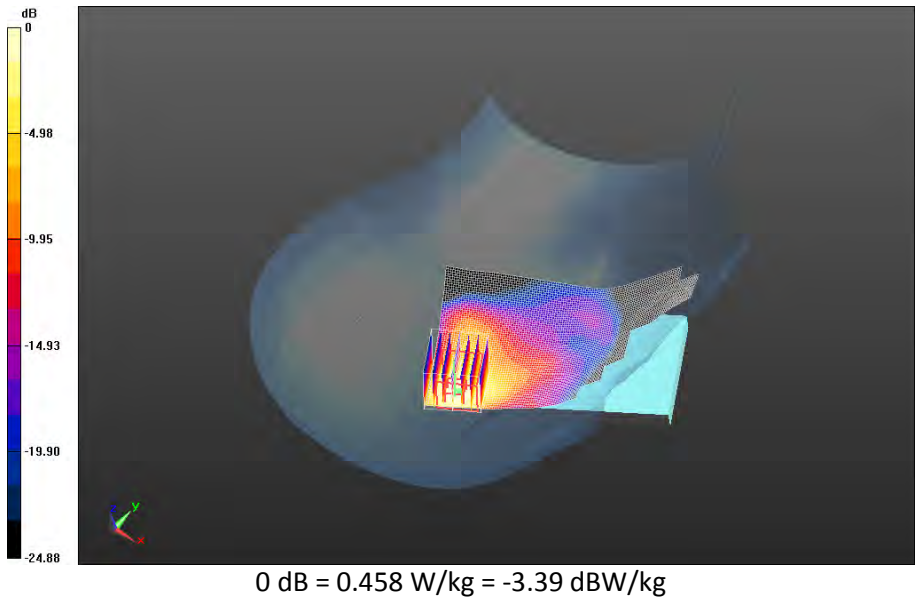
802.11b_chan1_amb_temp_23.6C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm, $dz=1.000$ mm

Reference Value = 9.193 V/m; **Power Drift = 0.035 dB**

Averaged SAR: SAR(1g) = 0.334 W/kg; SAR(10g) = 0.154 W/kg

Maximum value of SAR (interpolated) = 0.804 W/kg



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Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.479 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position -

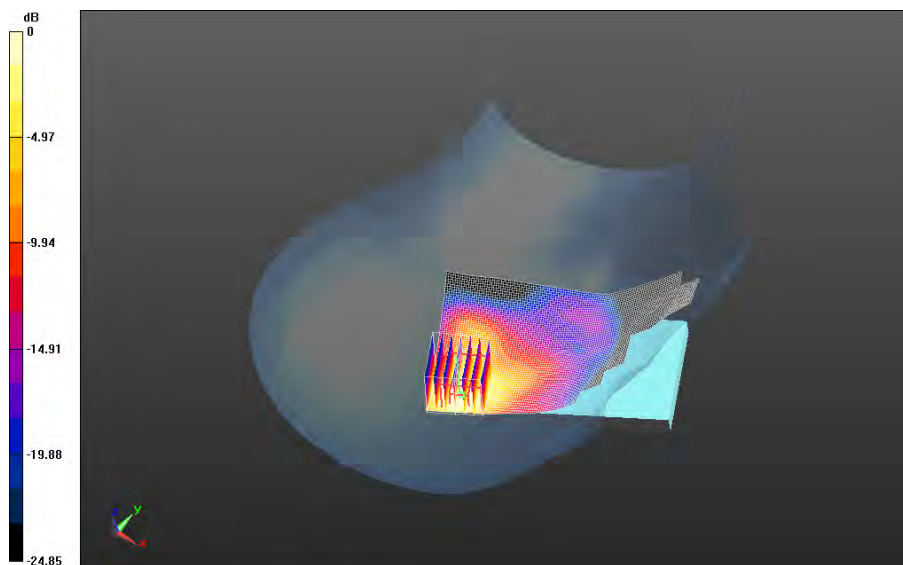
802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 9.703 V/m; **Power Drift = -0.00872 dB**

Averaged SAR: SAR(1g) = 0.361 W/kg; SAR(10g) = 0.169 W/kg

Maximum value of SAR (interpolated) = 0.836 W/kg



0 dB = 0.458 W/kg = -3.39 dBW/kg

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Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan11_amb_temp_23.6C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.429 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position -

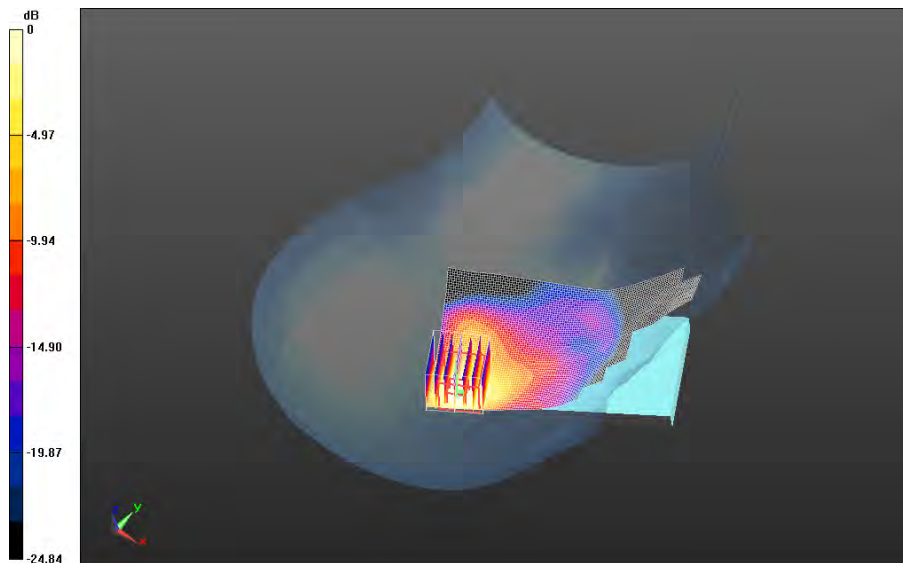
802.11b_chan11_amb_temp_23.6C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 9.241 V/m; **Power Drift = 0.035 dB**

Averaged SAR: SAR(1g) = 0.343 W/kg; SAR(10g) = 0.160 W/kg

Maximum value of SAR (interpolated) = 0.827 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

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Right-Hand-Side HSL - 802.11b/Tilt Position -

802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.428 W/kg

Right-Hand-Side HSL - 802.11b/Tilt Position -

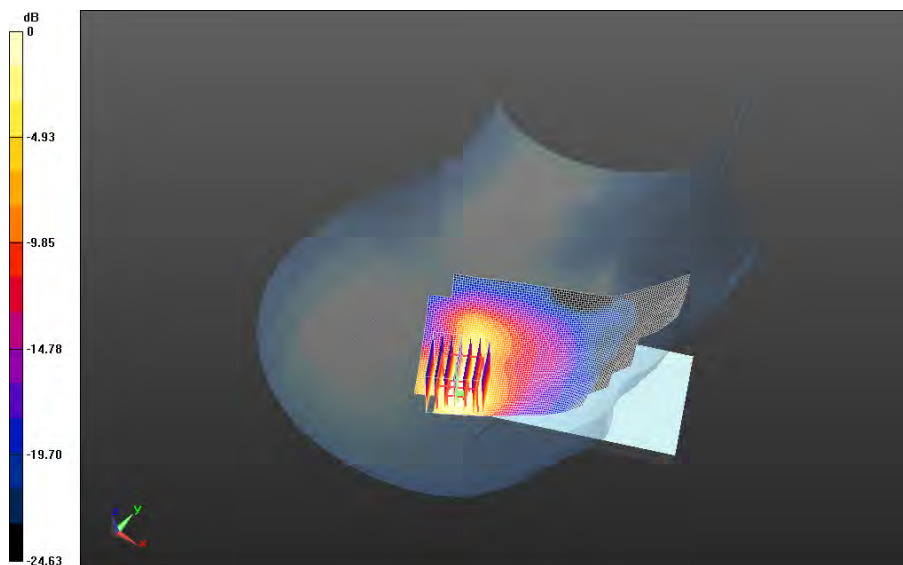
802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 10.878 V/m; **Power Drift = 0.038 dB**

Averaged SAR: SAR(1g) = 0.318 W/kg; SAR(10g) = 0.144 W/kg

Maximum value of SAR (interpolated) = 0.756 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

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Date: 7/17/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.433$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Area Scan (151x181x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.255 W/kg

Left-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (41x41x36)/Cube 0:

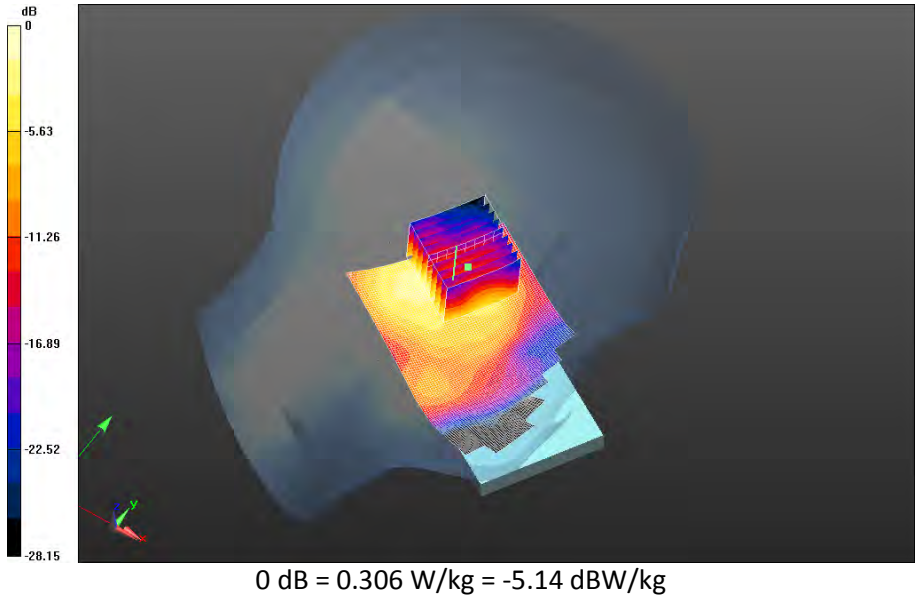
Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm, $dz=1.000$ mm

Reference Value = 11.339 V/m; **Power Drift = 0.00664 dB**

Averaged SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.109 W/kg

Maximum value of SAR (interpolated) = 0.497 W/kg

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Left-Hand-Side HSL - 802.11b/Tilt Position -

802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.355 W/kg

Left-Hand-Side HSL - 802.11b/Tilt Position -

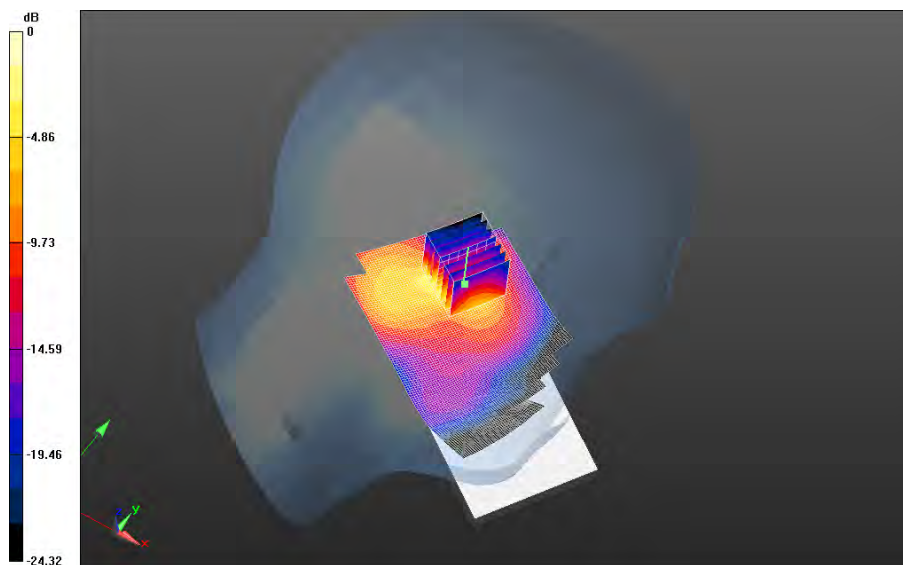
802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 11.223 V/m; **Power Drift = 0.024 dB**

Averaged SAR: SAR(1g) = 0.287 W/kg; SAR(10g) = 0.123 W/kg

Maximum value of SAR (interpolated) = 0.627 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

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802.11b Spot Check

Date: 7/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC317

Configuration: Right-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz, Communication System PAR: 0 dB; PMF: 1; Duty Cycle: 1:1
Medium Parameters used: $f=2437$ MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.433$; $\rho = 1.000$ g/cm³
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.0C_liq_temp_22.6C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.526 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.0C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 10.337 V/m; Power Drift = -0.021 dB

Averaged SAR: SAR(1g) = 0.416 W/kg; SAR(10g) = 0.190 W/kg

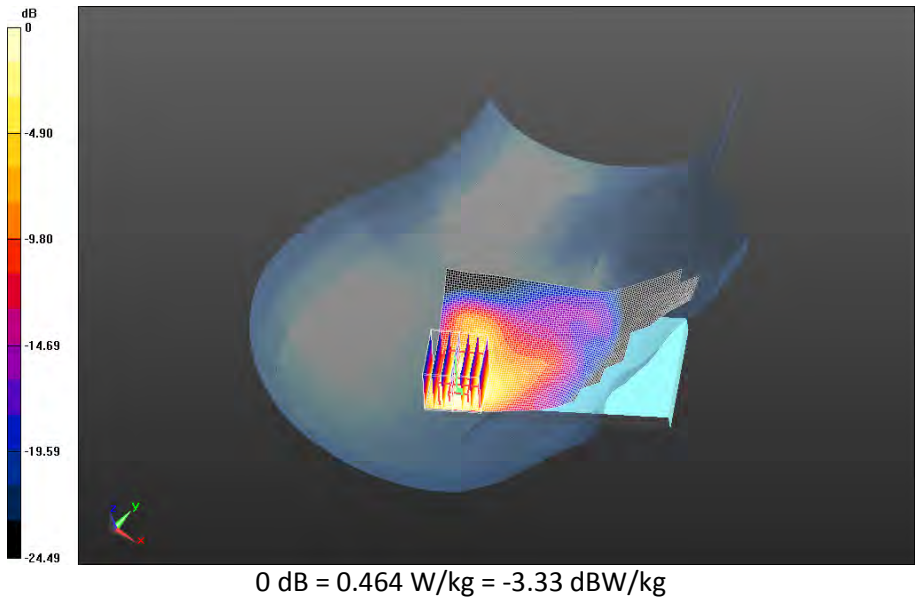
Maximum value of SAR (interpolated) = 0.969 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.0C_liq_temp_22.6C/Zoom Scan 2 (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 10.337 V/m; Power Drift = -0.026 dB

Averaged SAR: SAR(1g) = 0.421 W/kg; SAR(10g) = 0.192 W/kg

Maximum value of SAR (interpolated) = 1.00 W/kg



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Date: 7/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC317

Configuration: Left-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz, Communication System PAR: 0 dB; PMF: 1; Duty Cycle: 1:1
Medium Parameters used: $f=2437$ MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.433$; $\rho = 1.000$ g/cm³
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11b/Touch Position -

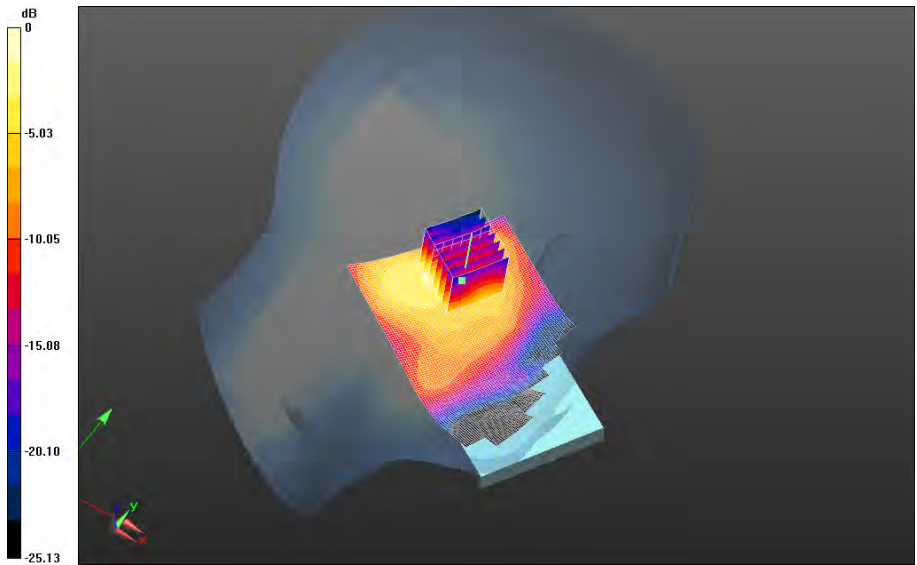
802.11b_chan6_amb_temp_23.1C_liq_temp_22.6C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.341 W/kg

Left-Hand-Side HSL - 802.11b/Touch Position -

802.11b_chan6_amb_temp_23.1C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 11.532 V/m; Power Drift = 0.120 dB

Averaged SAR: SAR(1g) = 0.284 W/kg; SAR(10g) = 0.128 W/kg

Maximum value of SAR (interpolated) = 0.593 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

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Left-Hand-Side HSL - 802.11b/Tilt Position -

802.11b_chan6_amb_temp_23.0C_liq_temp_22.6C/Area Scan (151x181x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.387 W/kg

Left-Hand-Side HSL - 802.11b/Tilt Position -

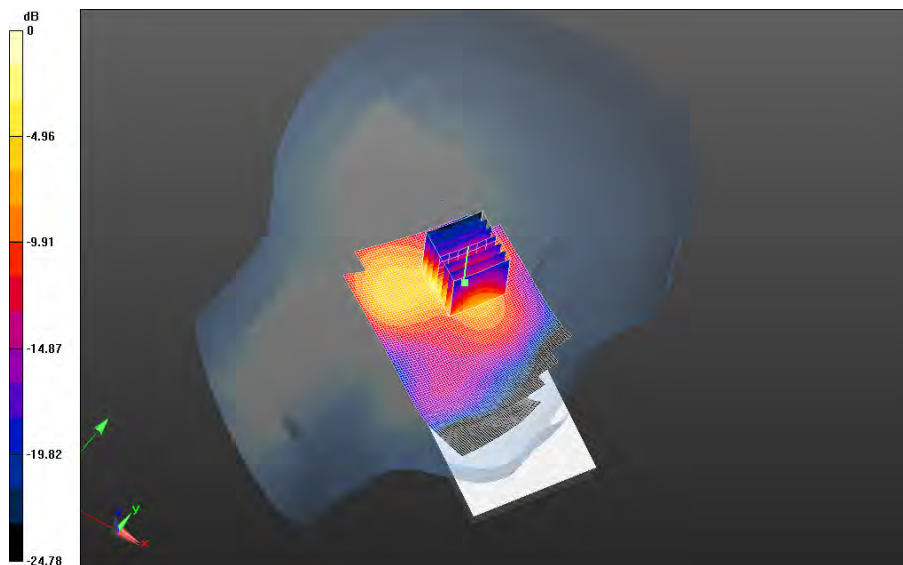
802.11b_chan6_amb_temp_23.0C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 11.043 V/m; Power Drift = 0.076 dB

Averaged SAR: SAR(1g) = 0.315 W/kg; SAR(10g) = 0.135 W/kg

Maximum value of SAR (interpolated) = 0.663 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

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Bluetooth

Date: 7/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - BT

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz

Medium Parameters used: $f=2441$ MHz; $\sigma = 1.872$ S/m; $\epsilon_r = 38.414$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.63,4.63,4.63); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.4C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0383 W/kg

Right-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.4C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:

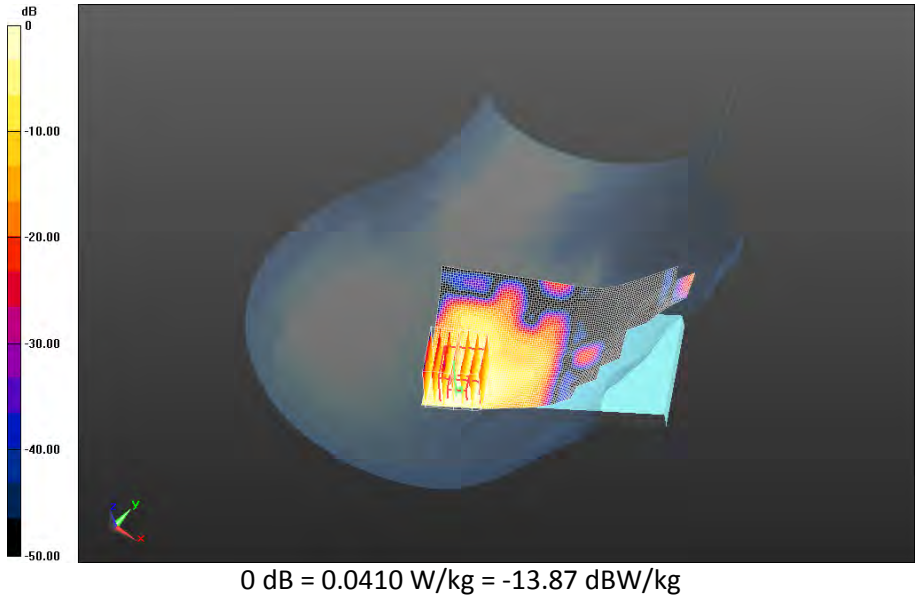
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 2.719 V/m; **Power Drift = 0.165 dB**

Averaged SAR: SAR(1g) = 0.0305 W/kg; SAR(10g) = 0.0140 W/kg

Maximum value of SAR (interpolated) = 0.0737 W/kg

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Right-Hand-Side HSL - BT/Tilt Position -

Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0335 W/kg

Right-Hand-Side HSL - BT/Tilt Position -

Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 2.869 V/m; **Power Drift = 0.064 dB**

Averaged SAR: SAR(1g) = 0.0251 W/kg; SAR(10g) = 0.0114 W/kg

Maximum value of SAR (interpolated) = 0.0572 W/kg

Right-Hand-Side HSL - BT/Tilt Position -

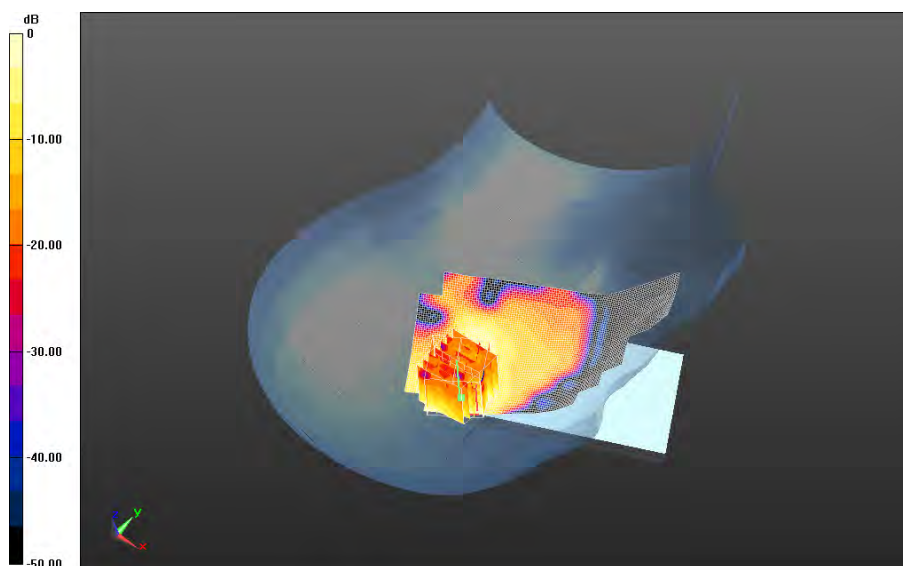
Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Zoom Scan 2 (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 2.869 V/m; **Power Drift = 0.177 dB**

Averaged SAR: SAR(1g) = 0.0254 W/kg; SAR(10g) = 0.0114 W/kg

Maximum value of SAR (interpolated) = 0.0603 W/kg



0 dB = 0.0410 W/kg = -13.87 dBW/kg

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Date: 7/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - BT

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz

Medium Parameters used: $f=2441$ MHz; $\sigma = 1.872$ S/m; $\epsilon_r = 38.414$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.63,4.63,4.63); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0189 W/kg

Left-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Zoom Scan (36x36x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 2.993 V/m; **Power Drift = 1.069 dB**

Averaged SAR: SAR(1g) = 0.0156 W/kg; SAR(10g) = 0.00729 W/kg

Maximum value of SAR (interpolated) = 0.0333 W/kg

Left-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Zoom Scan 2 (31x31x36)/Cube 0:

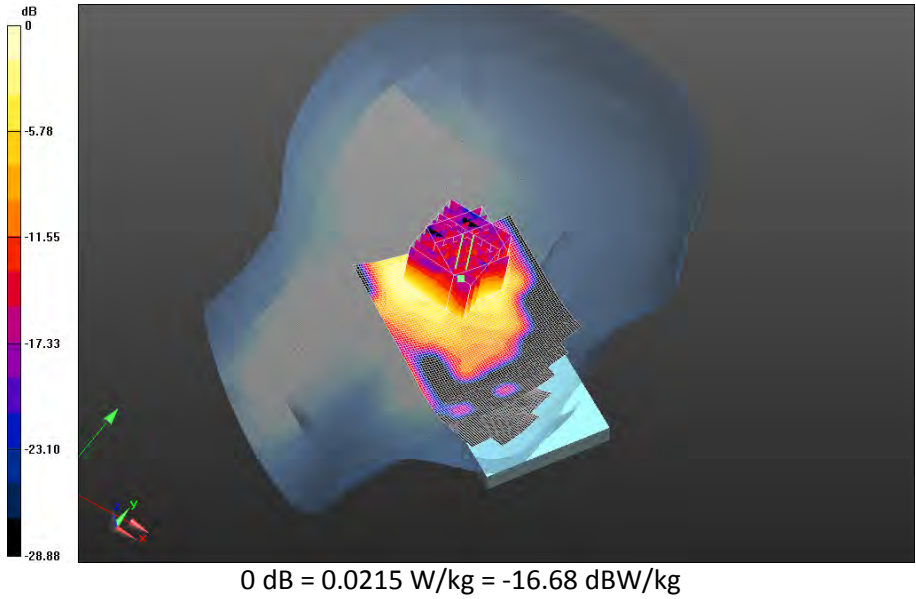
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 2.993 V/m; **Power Drift = 0.720 dB**

Averaged SAR: SAR(1g) = 0.0171 W/kg; SAR(10g) = 0.00797 W/kg

Maximum value of SAR (interpolated) = 0.0377 W/kg

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802.11a

Date: 8/1/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 4.747$ S/m; $\epsilon_r = 35.107$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan36_low_band_amb_temp_22.9C_liq_temp_21.8C/Area Scan (181x221x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.930 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan36_low_band_amb_temp_22.9C_liq_temp_21.8C/Zoom Scan (41x41x61)/Cube

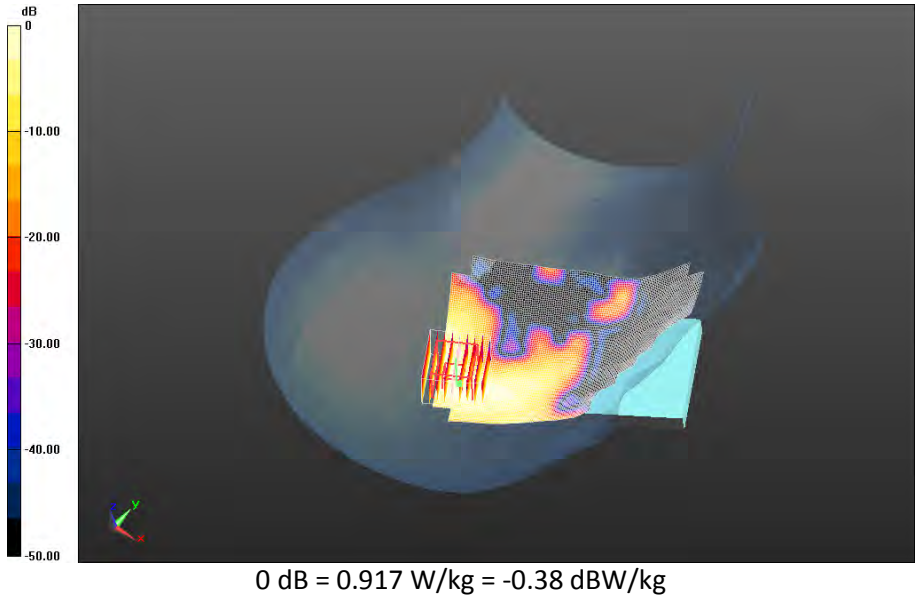
0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 2.703 V/m; **Power Drift = 0.054 dB**

Averaged SAR: SAR(1g) = 0.480 W/kg; SAR(10g) = 0.174 W/kg

Maximum value of SAR (interpolated) = 1.73 W/kg

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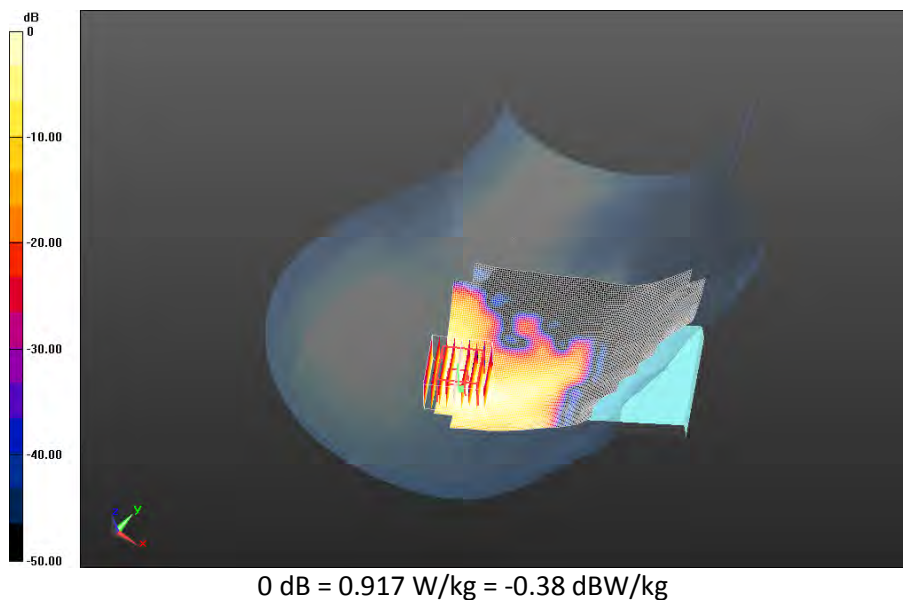


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Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan52_low_band_amb_temp_22.9C_liq_temp_21.8C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan52_low_band_amb_temp_22.9C_liq_temp_21.8C/Zoom Scan (41x41x61)/Cube
0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.928 V/m; **Power Drift = 0.286 dB**

Averaged SAR: SAR(1g) = 0.579 W/kg; SAR(10g) = 0.207 W/kg
Maximum value of SAR (interpolated) = 2.10 W/kg

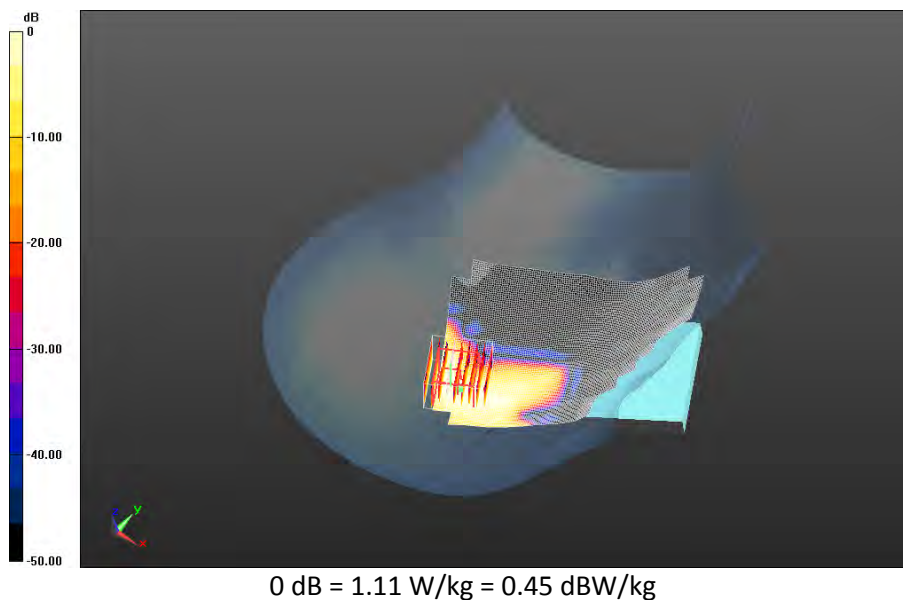


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Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan56_low_band_amb_temp_23.9C_liq_temp_22.4C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.392 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan56_low_band_amb_temp_23.9C_liq_temp_22.4C/Zoom Scan (41x41x61)/Cube
0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.873 V/m; **Power Drift = 0.039 dB**

Averaged SAR: SAR(1g) = 0.191 W/kg; SAR(10g) = 0.0682 W/kg
Maximum value of SAR (interpolated) = 0.910 W/kg

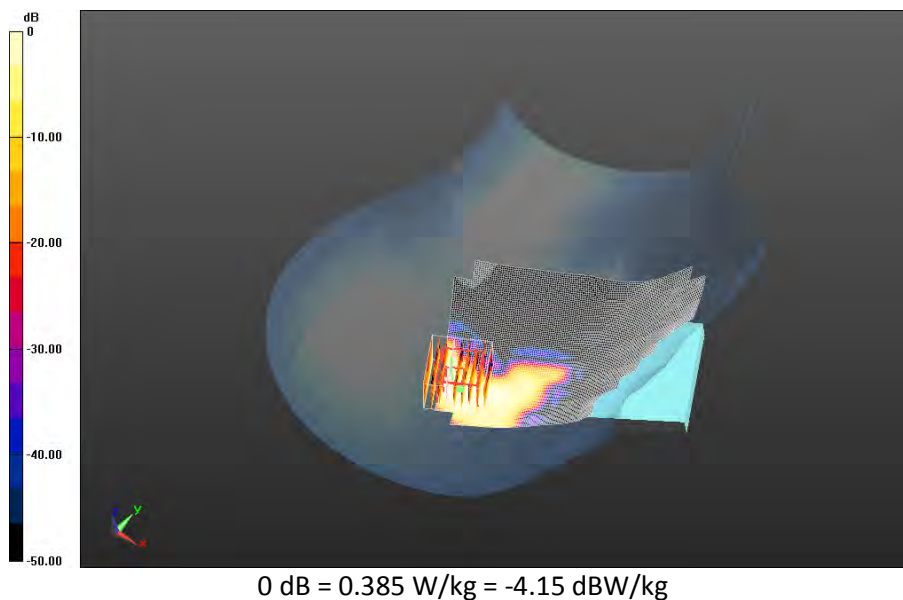


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Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.249 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -
802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Zoom Scan (41x41x61)/Cube
0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.643 V/m; **Power Drift = -0.185 dB**

Averaged SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0353 W/kg
Maximum value of SAR (interpolated) = 0.902 W/kg



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Date: 8/1/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11a 5500 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5520 MHz

Medium Parameters used: $f=5520$ MHz; $\sigma = 5.133$ S/m; $\epsilon_r = 34.488$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_band1_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.827 W/kg

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_band1_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan

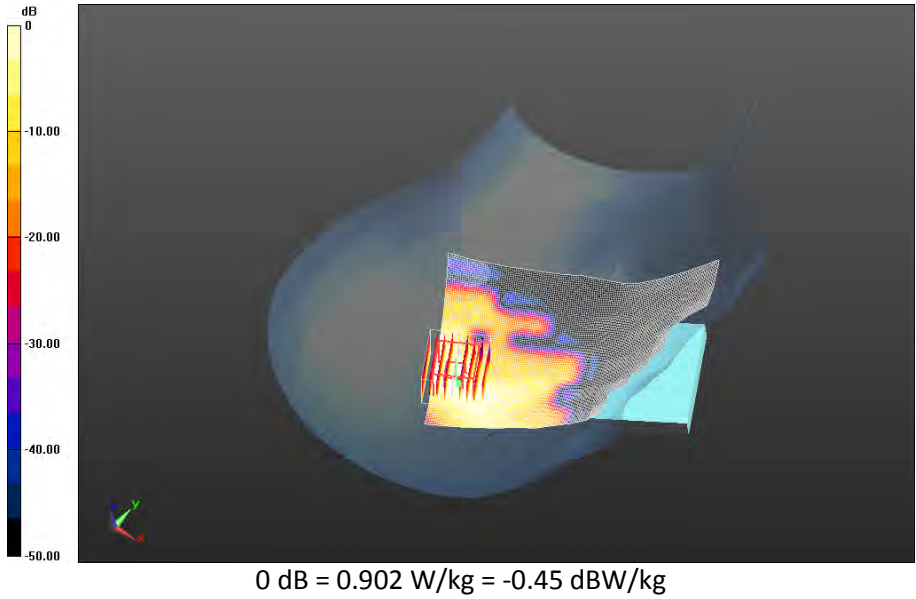
(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 4.157 V/m; **Power Drift = -0.120 dB**

Averaged SAR: SAR(1g) = 0.455 W/kg; SAR(10g) = 0.158 W/kg

Maximum value of SAR (interpolated) = 1.88 W/kg

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Date: 7/30/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11a 5800 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5765 MHz

Medium Parameters used: $f=5765$ MHz; $\sigma = 5.425$ S/m; $\epsilon_r = 34.047$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.629 W/kg

Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

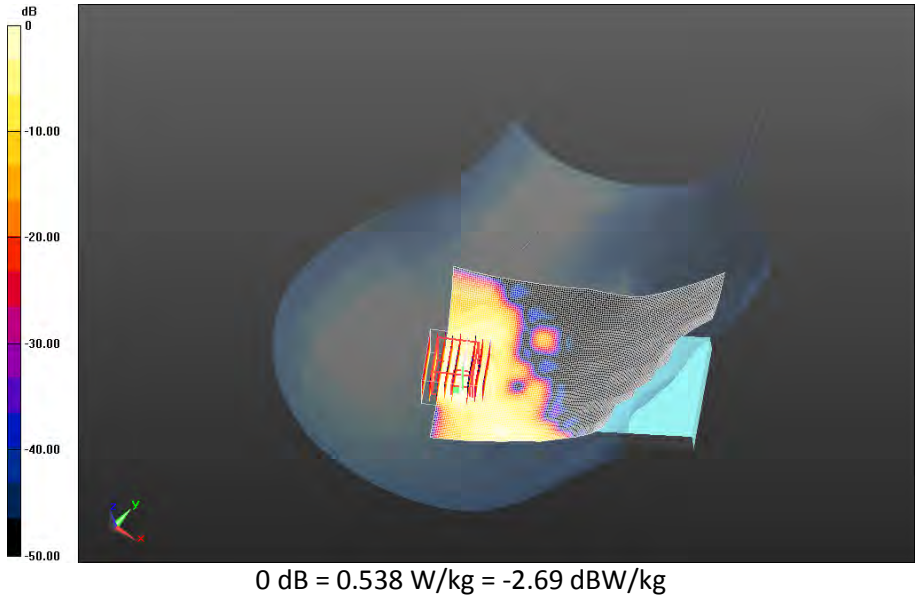
802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan

(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 5.674 V/m; **Power Drift = 0.075 dB**

Averaged SAR: SAR(1g) = 0.276 W/kg; SAR(10g) = 0.103 W/kg

Maximum value of SAR (interpolated) = 1.38 W/kg



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Date: 8/1/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 4.747$ S/m; $\epsilon_r = 35.107$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -

802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Area Scan (181x221x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.53 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -

802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (41x41x61)/Cube 0:

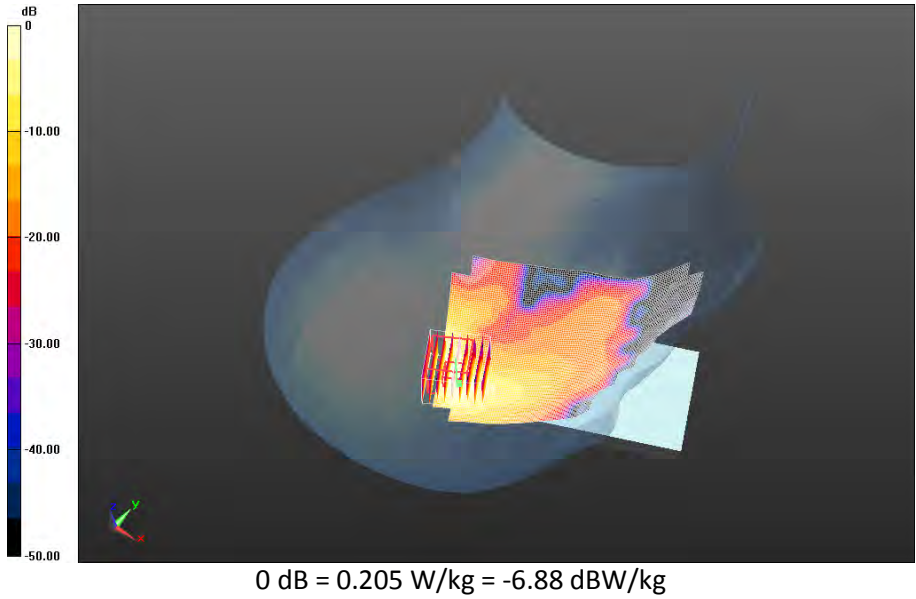
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.141 V/m; **Power Drift = 0.029 dB**

Averaged SAR: SAR(1g) = 0.800 W/kg; SAR(10g) = 0.266 W/kg

Maximum value of SAR (interpolated) = 3.16 W/kg

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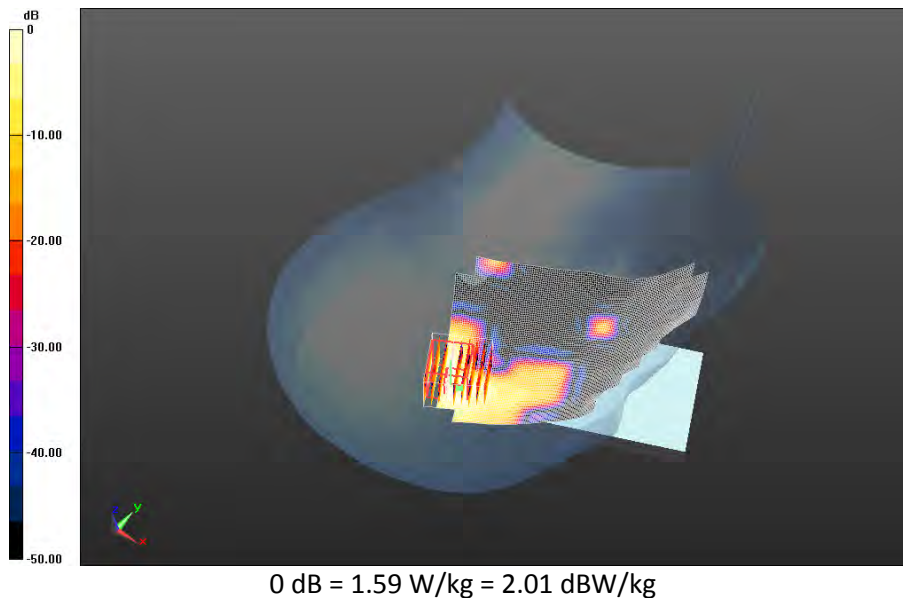


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Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -
802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.266 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -
802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Zoom Scan (41x41x61)/Cube
0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.768 V/m; **Power Drift = 0.018 dB**

Averaged SAR: SAR(1g) = 0.130 W/kg; SAR(10g) = 0.0409 W/kg
Maximum value of SAR (interpolated) = 0.491 W/kg



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Date: 8/1/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Right-Hand-Side HSL - 802.11a 5500 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5520 MHz

Medium Parameters used: $f=5520$ MHz; $\sigma = 5.133$ S/m; $\epsilon_r = 34.488$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position -

802.11a_chan104_Upper_band1_amb_temp_23.2C_liq_temp_22.3C/Area Scan (101x151x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.07 W/kg

Right-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position -

802.11a_chan104_Upper_band1_amb_temp_23.2C_liq_temp_22.3C/Zoom Scan

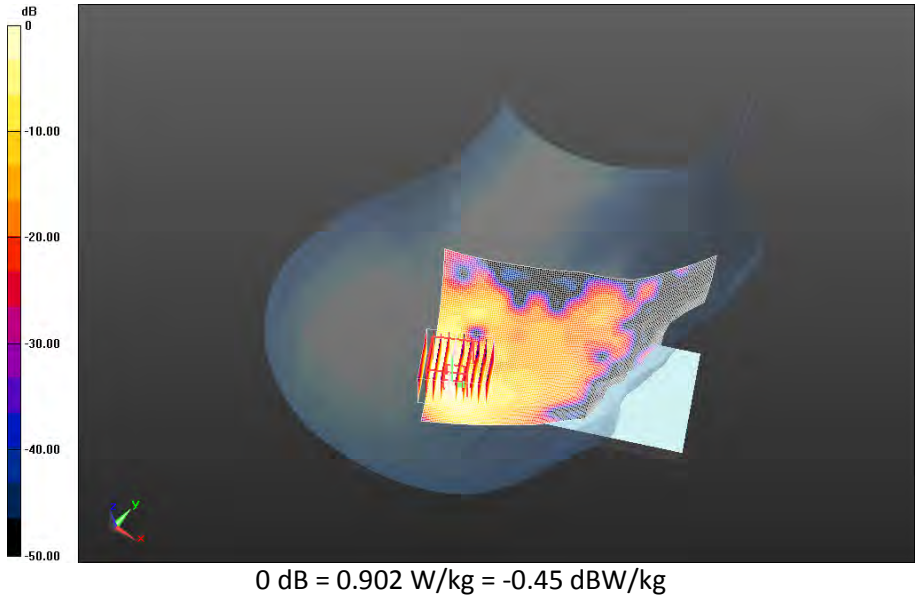
(41x46x61)/Cube 0: Interpolated grid: $dx=0.800$ mm, $dy=0.800$ mm, $dz=0.400$ mm

Reference Value = 3.624 V/m; **Power Drift = -0.048 dB**

Averaged SAR: SAR(1g) = 0.558 W/kg; SAR(10g) = 0.187 W/kg

Maximum value of SAR (interpolated) = 2.23 W/kg

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Date: 7/30/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 4.747$ S/m; $\epsilon_r = 35.107$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_22.0C/Area Scan (181x261x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.957 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

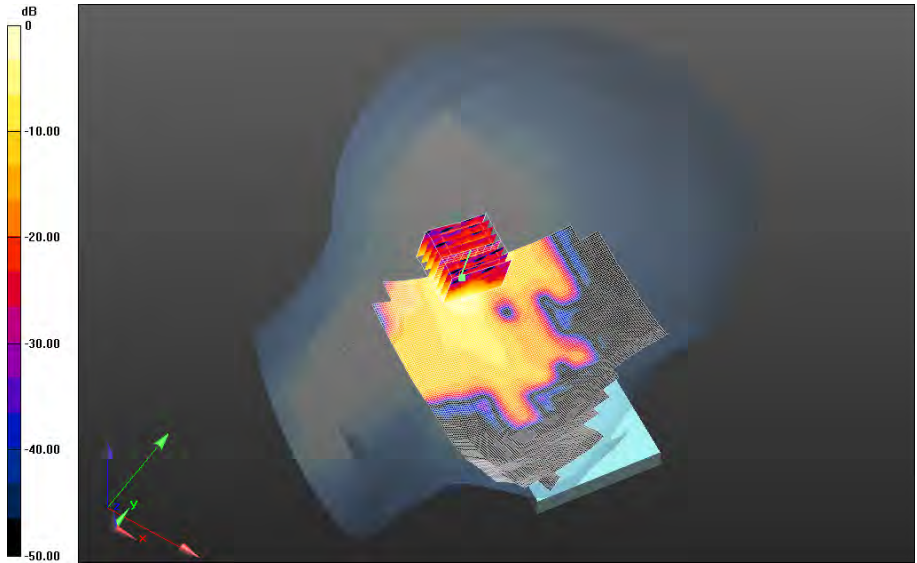
802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (41x36x61)/Cube

0: Interpolated grid: $dx=0.800$ mm, $dy=0.800$ mm, $dz=0.400$ mm

Reference Value = 1.977 V/m; **Power Drift = -0.326 dB**

Averaged SAR: SAR(1g) = 0.485 W/kg; SAR(10g) = 0.175 W/kg

Maximum value of SAR (interpolated) = 1.69 W/kg



0 dB = 0.895 W/kg = -0.48 dBW/kg

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Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan52_low_band_amb_temp_23.0C_liq_temp_22.0C/Area Scan (101x171x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

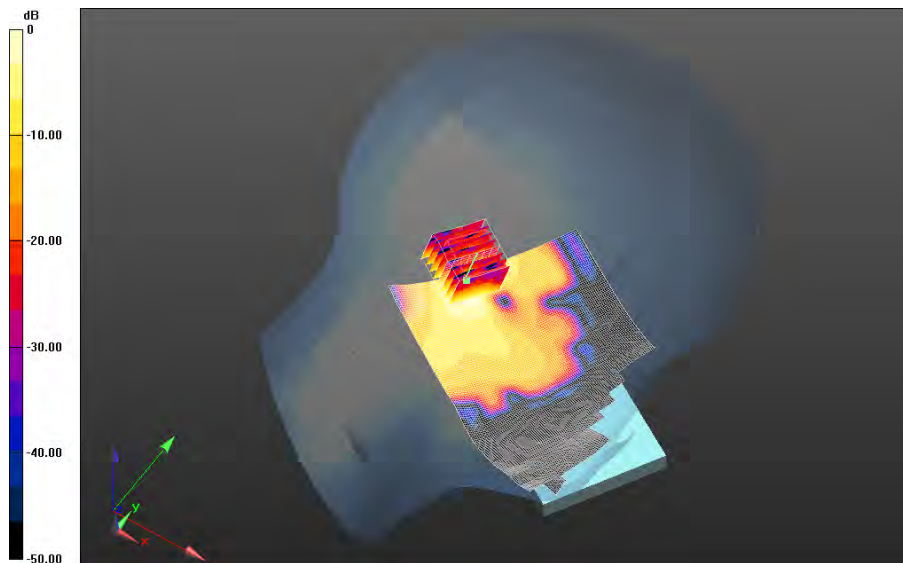
802.11a_chan52_low_band_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (36x36x61)/Cube

0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 1.815 V/m; **Power Drift = 0.364 dB**

Averaged SAR: SAR(1g) = 0.500 W/kg; SAR(10g) = 0.179 W/kg

Maximum value of SAR (interpolated) = 1.74 W/kg



0 dB = 0.895 W/kg = -0.48 dBW/kg

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Date: 7/29/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - 802.11a 5500 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz

Medium Parameters used: $f=5520$ MHz; $\sigma = 5.133$ S/m; $\epsilon_r = 34.488$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_band1_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x161x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.881 W/kg

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_band1_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan

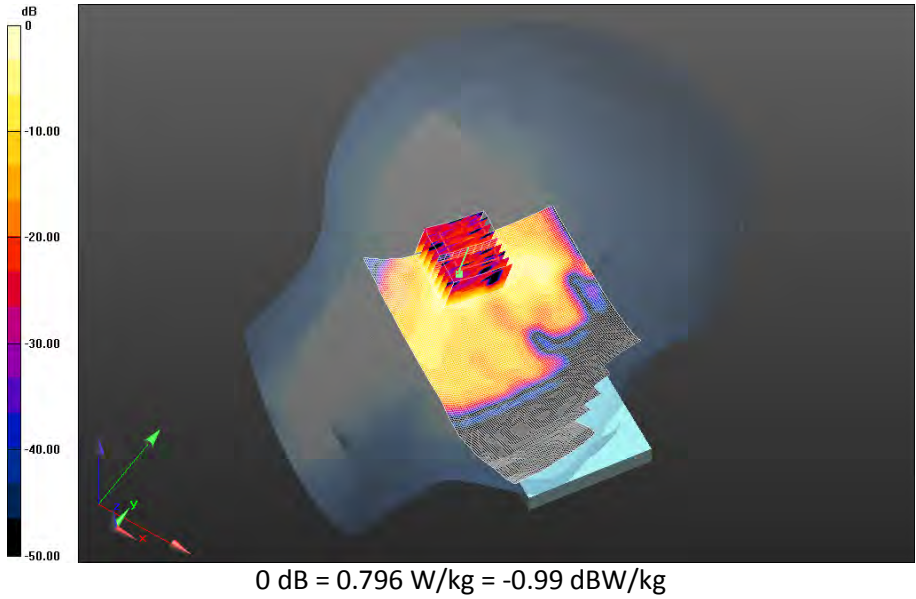
(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.986 V/m; **Power Drift = 0.275 dB**

Averaged SAR: SAR(1g) = 0.440 W/kg; SAR(10g) = 0.161 W/kg

Maximum value of SAR (interpolated) = 1.56 W/kg

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Date: 7/29/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - 802.11a 5800 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5765 MHz

Medium Parameters used: $f=5765$ MHz; $\sigma = 5.425$ S/m; $\epsilon_r = 34.047$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x161x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.910 W/kg

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan

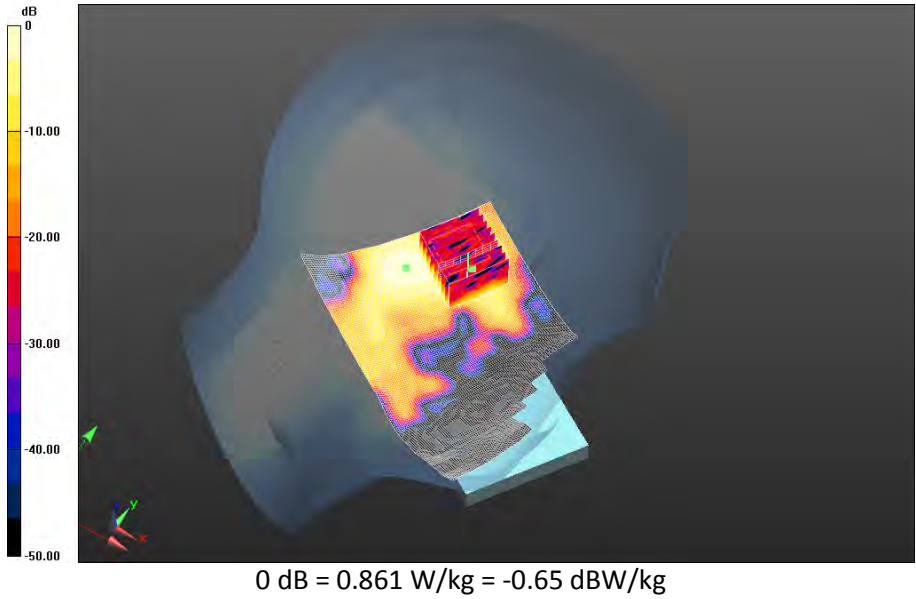
(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 7.354 V/m; **Power Drift = 0.114 dB**

Averaged SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.134 W/kg

Maximum value of SAR (interpolated) = 1.92 W/kg

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Date: 7/30/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Left-Hand-Side HSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 4.747$ S/m; $\epsilon_r = 35.107$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -

802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Area Scan (181x221x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.903 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position -

802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (41x36x61)/Cube 0:

Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 2.132 V/m; **Power Drift = 0.244 dB**

Averaged SAR: SAR(1g) = 0.470 W/kg; SAR(10g) = 0.167 W/kg

Maximum value of SAR (interpolated) = 1.64 W/kg

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