## APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

# LTE Band 17

Date: 5/9/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Right-Hand-Side HSL - LTE Band 17

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 709 MHz
Medium Parameters used: f=709 MHz; $\sigma$ = 0.850 S/m; $\varepsilon_r$ = 40.970; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

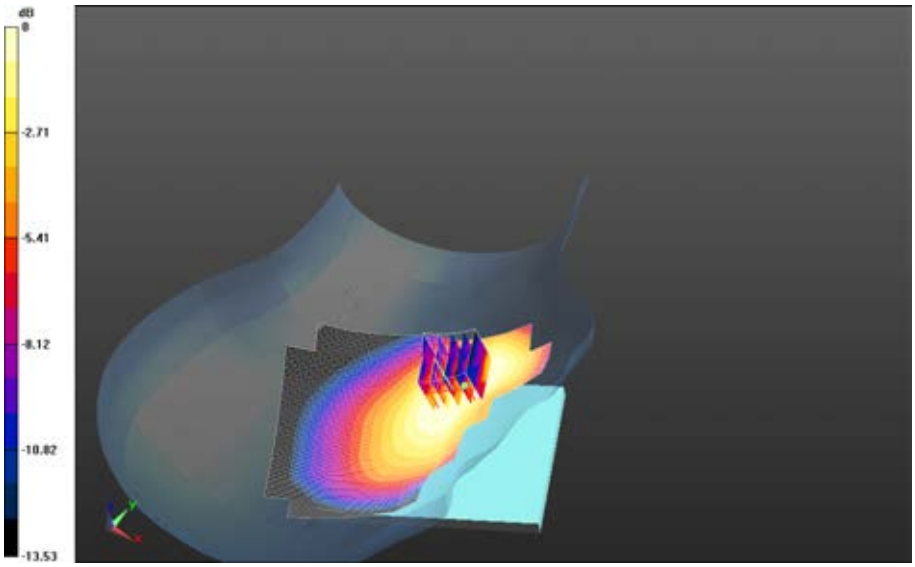
- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.256 V/m; **Power Drift = 0.052 dB**

**Fast SAR: SAR(1g) = 0.0993 W/kg; SAR(10g) = 0.0656 W/kg**
Maximum value of SAR (interpolated) = 0.105 W/kg

**Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 3.256 V/m; **Power Drift = 0.052 dB**

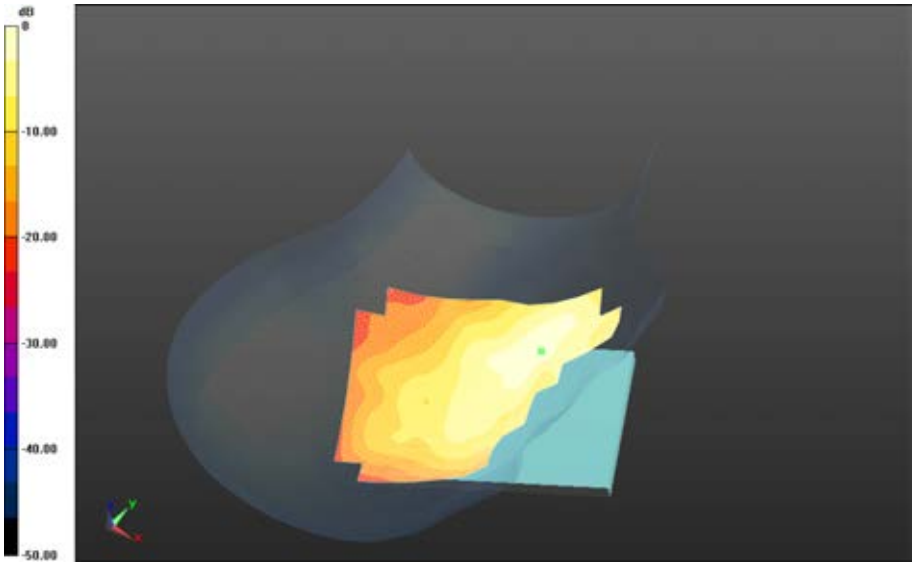
**Averaged SAR: SAR(1g) = 0.0676 W/kg; SAR(10g) = 0.0395 W/kg**
Maximum value of SAR (interpolated) = 0.159 W/kg




0 dB = 0.0769 W/kg = -11.14 dBW/kg

**Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.195 V/m; **Power Drift = 0.143 dB**

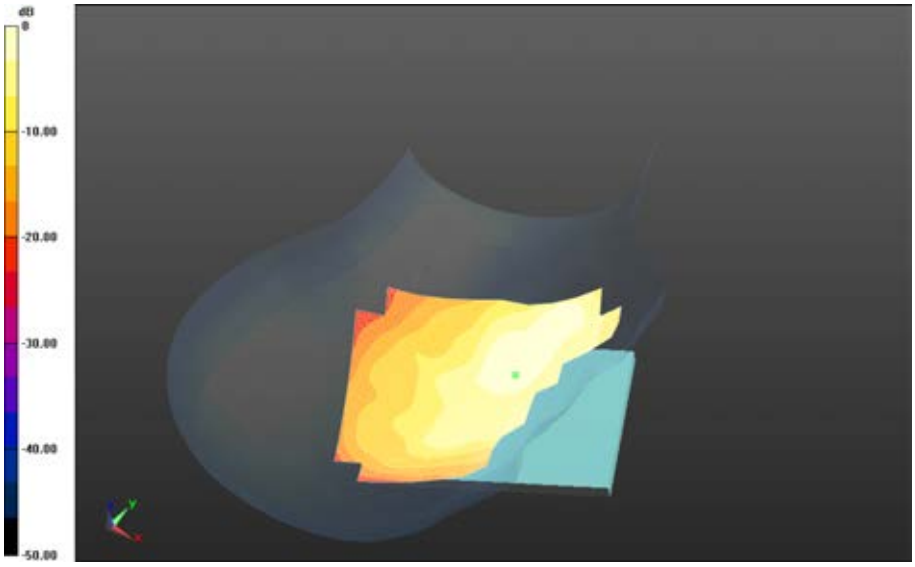
**Fast SAR: SAR(1g) = 0.0722 W/kg; SAR(10g) = 0.0442 W/kg**
Maximum value of SAR (interpolated) = 0.0817 W/kg




0 dB = 0.0769 W/kg = -11.14 dBW/kg

**Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.708 V/m; **Power Drift = -0.112 dB**

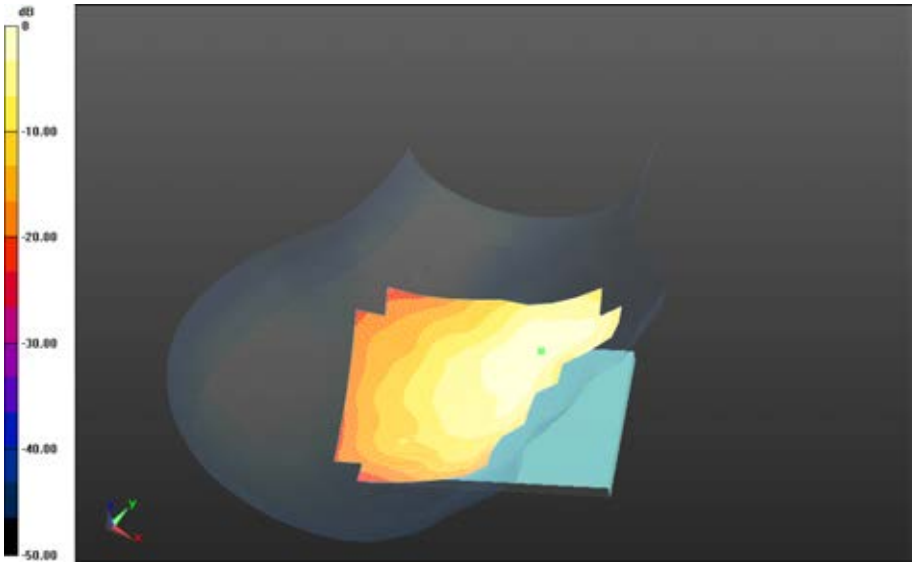
**Fast SAR: SAR(1g) = 0.0547 W/kg; SAR(10g) = 0.0348 W/kg**
Maximum value of SAR (interpolated) = 0.0634 W/kg




0 dB = 0.0817 W/kg = -10.88 dBW/kg

**Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23780_10MHz_BW_RB25_Offset_High_amb_temp_23.1C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.528 V/m; **Power Drift = -0.133 dB**

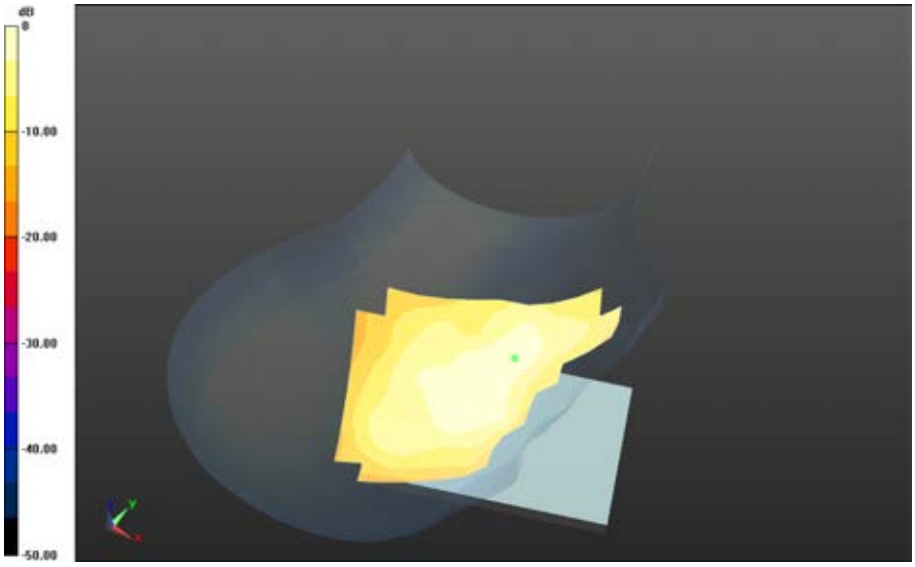
**Fast SAR: SAR(1g) = 0.0500 W/kg; SAR(10g) = 0.0328 W/kg**
Maximum value of SAR (interpolated) = 0.0560 W/kg




0 dB = 0.0634 W/kg = -11.98 dBW/kg

**Right-Hand-Side HSL - LTE Band 17/Tilt Position -LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.0C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.623 V/m; **Power Drift = 0.076 dB**

**Fast SAR: SAR(1g) = 0.0234 W/kg; SAR(10g) = 0.0150 W/kg**
Maximum value of SAR (interpolated) = 0.0255 W/kg




0 dB = 0.0560 W/kg = -12.52 dBW/kg

Date: 5/9/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Left-Hand-Side HSL - LTE Band 17

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 711 MHz
Medium Parameters used: f=711 MHz; $\sigma$ = 0.852 S/m; $\varepsilon_r$ = 40.950; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

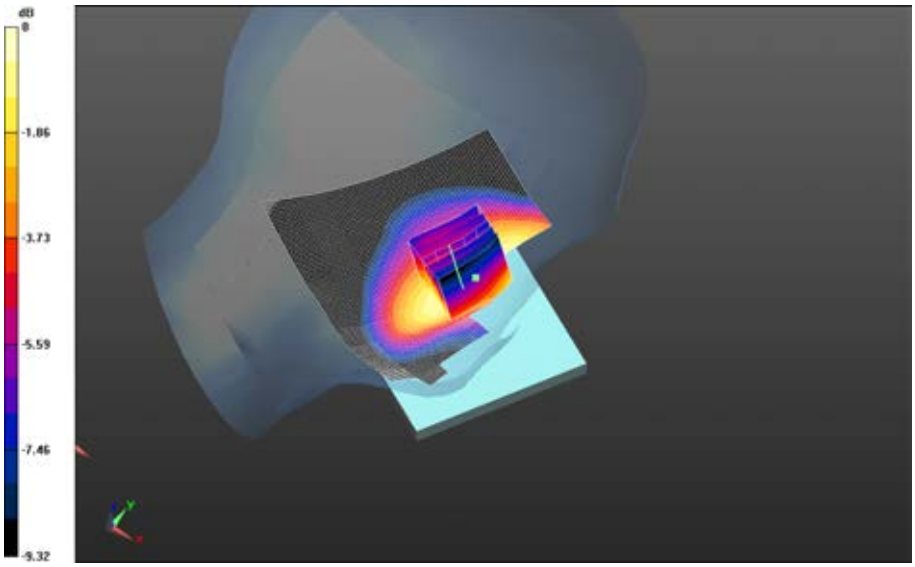
- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.3C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.398 V/m; **Power Drift = 0.172 dB**

**Fast SAR: SAR(1g) = 0.0408 W/kg; SAR(10g) = 0.0282 W/kg**
Maximum value of SAR (interpolated) = 0.0425 W/kg
10g avg. SAR maximum on border.

**Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.3C_liq_temp_22.2C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 2.398 V/m; **Power Drift = 0.172 dB**

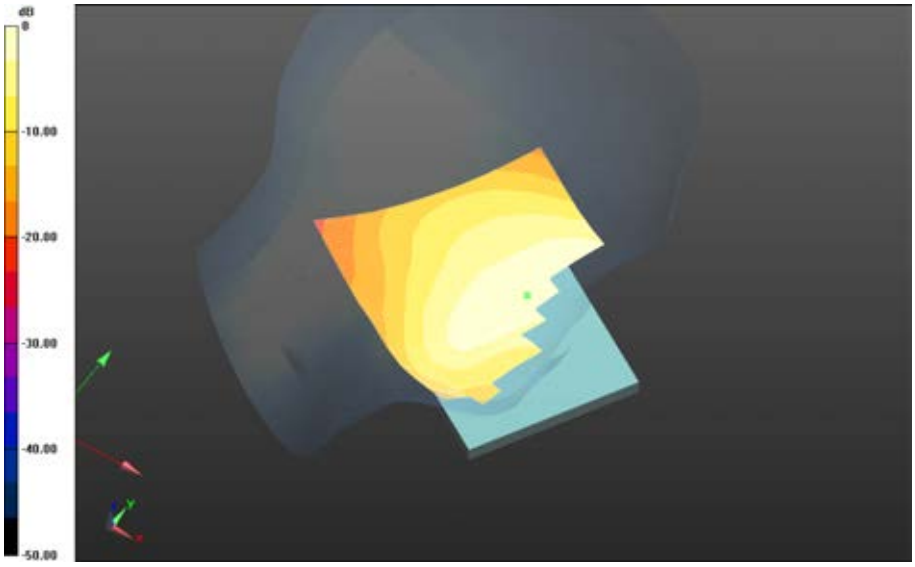
**Averaged SAR: SAR(1g) = 0.0435 W/kg; SAR(10g) = 0.0320 W/kg**
Maximum value of SAR (interpolated) = 0.0551 W/kg




0 dB = 0.0444 W/kg = -13.53 dBW/kg

**Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE band 17_chan23780_10MHz_BW_RB25_Offset_High_amb_temp_23.2C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.232 V/m; **Power Drift = 0.00557 dB**

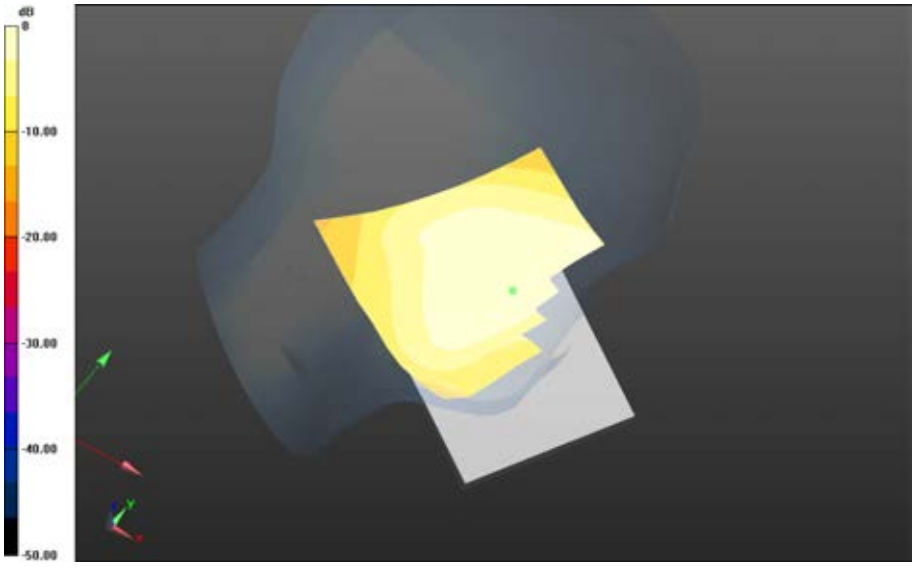
**Fast SAR: SAR(1g) = 0.0302 W/kg; SAR(10g) = 0.0208 W/kg**
Maximum value of SAR (interpolated) = 0.0315 W/kg




0 dB = 0.0444 W/kg = -13.53 dBW/kg

**Left-Hand-Side HSL - LTE Band 17/Tilt Position -LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.269 V/m; **Power Drift = -0.138 dB**

**Fast SAR: SAR(1g) = 0.0174 W/kg; SAR(10g) = 0.0123 W/kg**
Maximum value of SAR (interpolated) = 0.0183 W/kg




0 dB = 0.0315 W/kg = -15.02 dBW/kg

# LTE Band 13

Date: 5/12/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Right-Hand-Side HSL - LTE Band 13

Communication System: LTE band 13 (0); Communication System Band: LTE band 13; Frequency: 782 MHz
Medium Parameters used: f=782 MHz; $\sigma$ = 0.925 S/m; $\varepsilon_r$ = 40.486; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

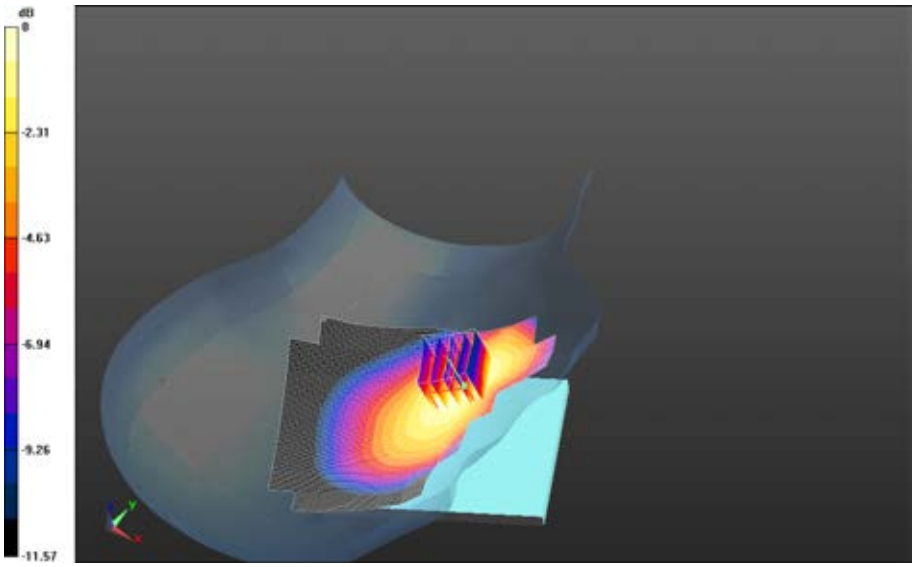
- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - LTE Band 13/Touch Position -LTE band 13_chan23230_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.895 V/m; **Power Drift = -0.078 dB**

**Fast SAR: SAR(1g) = 0.203 W/kg; SAR(10g) = 0.135 W/kg**
Maximum value of SAR (interpolated) = 0.219 W/kg

**Right-Hand-Side HSL - LTE Band 13/Touch Position -LTE band 13_chan23230_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.895 V/m; **Power Drift = -0.078 dB**

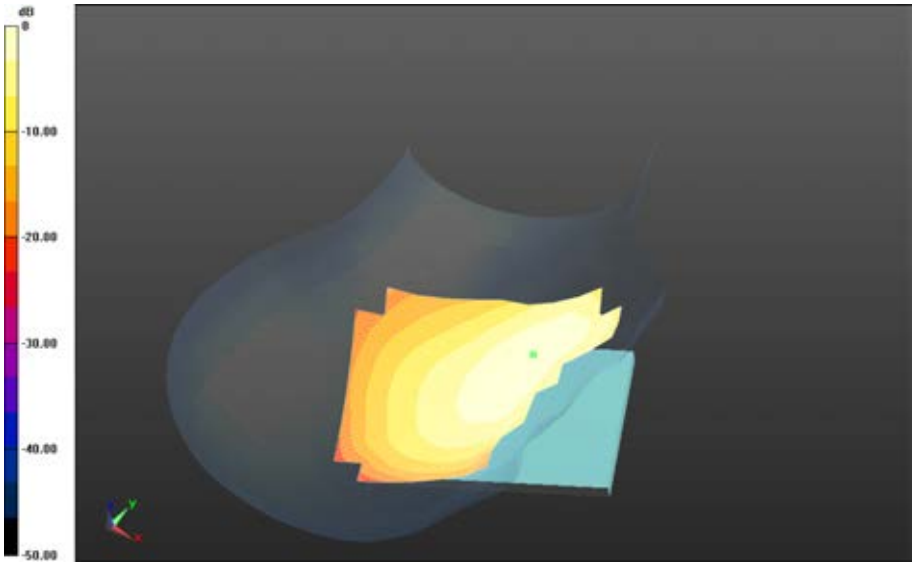
**Averaged SAR: SAR(1g) = 0.202 W/kg; SAR(10g) = 0.136 W/kg**
Maximum value of SAR (interpolated) = 0.289 W/kg




0 dB = 0.215 W/kg = -6.68 dBW/kg

**Right-Hand-Side HSL - LTE Band 13/Touch Position -LTE band 13_chan23230_10MHz_BW_RB25_Offset_High_amb_temp_23.5C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.474 V/m; **Power Drift = 0.021 dB**

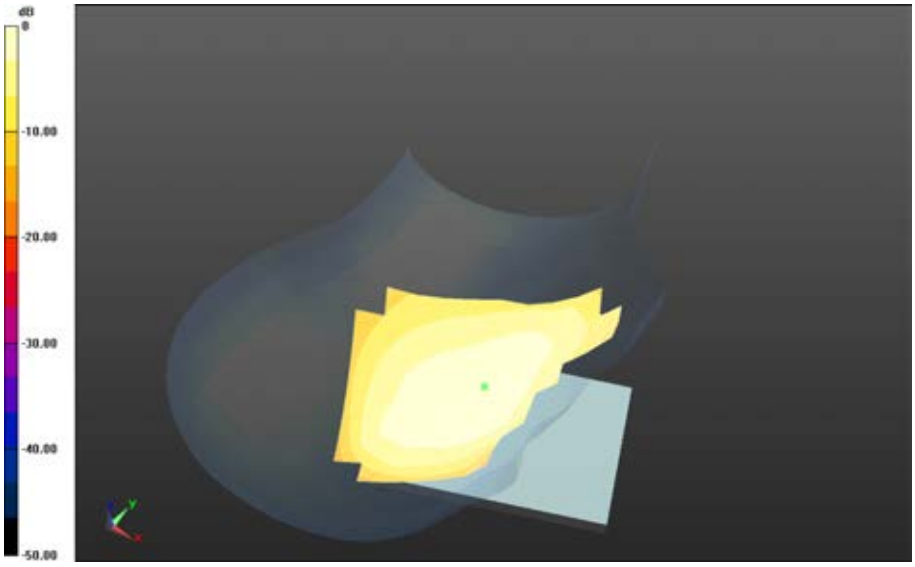
**Fast SAR: SAR(1g) = 0.167 W/kg; SAR(10g) = 0.111 W/kg**
Maximum value of SAR (interpolated) = 0.181 W/kg




0 dB = 0.215 W/kg = -6.68 dBW/kg

**Right-Hand-Side HSL - LTE Band 13/Tilt Position -LTE band 13_chan23230_10MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_21.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.294 V/m; **Power Drift = 0.158 dB**

**Fast SAR: SAR(1g) = 0.0795 W/kg; SAR(10g) = 0.0552 W/kg**
Maximum value of SAR (interpolated) = 0.0846 W/kg




0 dB = 0.181 W/kg = -7.42 dBW/kg

Date: 5/12/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Left-Hand-Side HSL - LTE Band 13

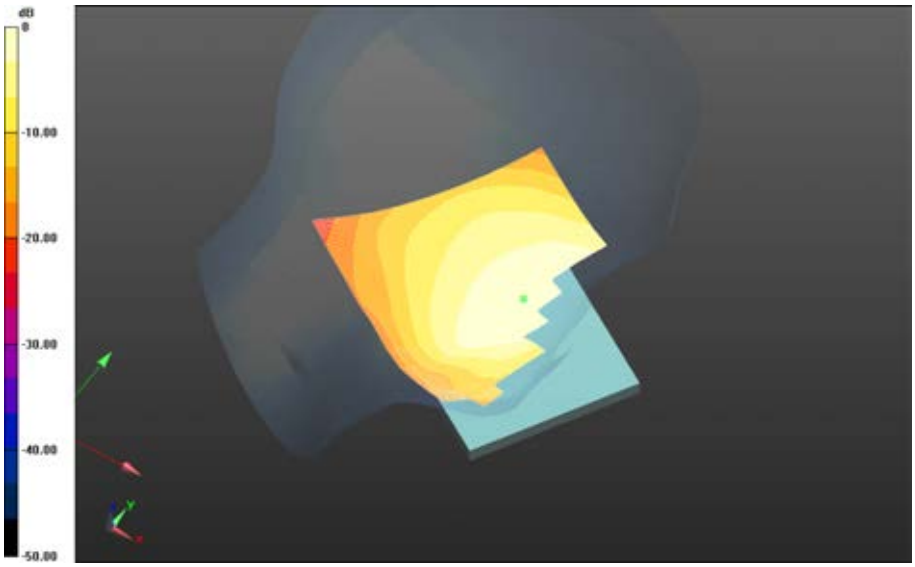
Communication System: LTE band 13 (0); Communication System Band: LTE band 13; Frequency: 782 MHz
Medium Parameters used: f=782 MHz; $\sigma$ = 0.925 S/m; $\varepsilon_r$ = 40.486; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - LTE Band 13/Touch Position -LTE band 13_chan23230_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.919 V/m; **Power Drift = -0.019 dB**

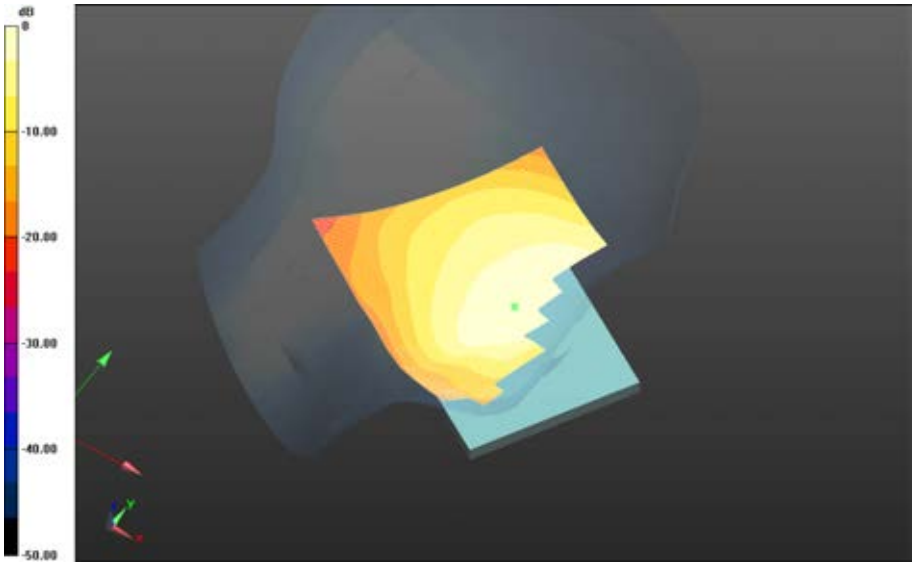
**Fast SAR: SAR(1g) = 0.150 W/kg; SAR(10g) = 0.104 W/kg**
Maximum value of SAR (interpolated) = 0.160 W/kg




0 dB = 0.160 W/kg = -7.96 dBW/kg

**Left-Hand-Side HSL - LTE Band 13/Touch Position -LTE band 13_chan23230_10MHz_BW_RB25_Offset_High_amb_temp_23.2C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.322 V/m; **Power Drift = -0.037 dB**

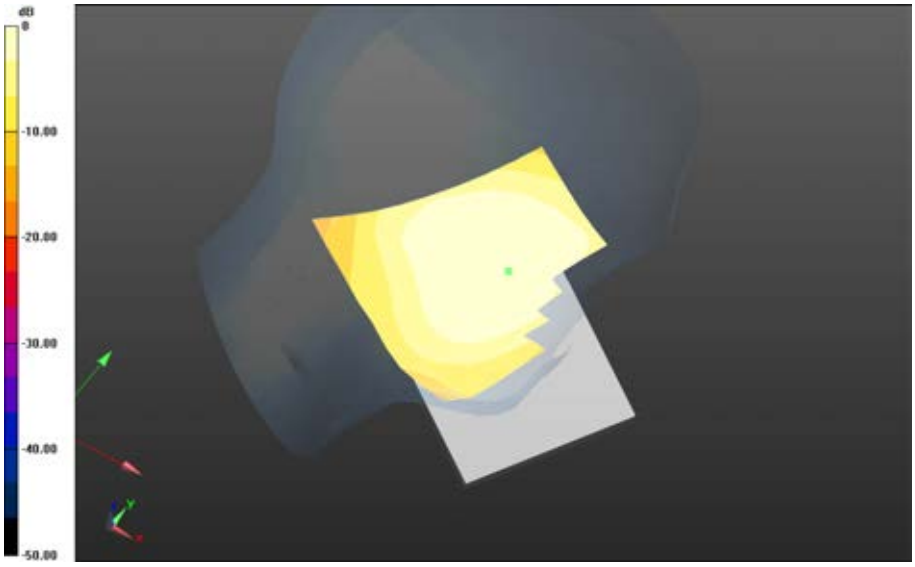
**Fast SAR: SAR(1g) = 0.120 W/kg; SAR(10g) = 0.0834 W/kg**
Maximum value of SAR (interpolated) = 0.128 W/kg




0 dB = 0.160 W/kg = -7.96 dBW/kg

**Left-Hand-Side HSL - LTE Band 13/Tilt Position -LTE band 13_chan23230_10MHz_BW_RB1_Offset_High_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.399 V/m; **Power Drift = 0.025 dB**

**Fast SAR: SAR(1g) = 0.0670 W/kg; SAR(10g) = 0.0477 W/kg**
Maximum value of SAR (interpolated) = 0.0709 W/kg




0 dB = 0.128 W/kg = -8.93 dBW/kg

# LTE Band 5

Date: 5/1/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Right-Hand-Side HSL - LTE Band 5

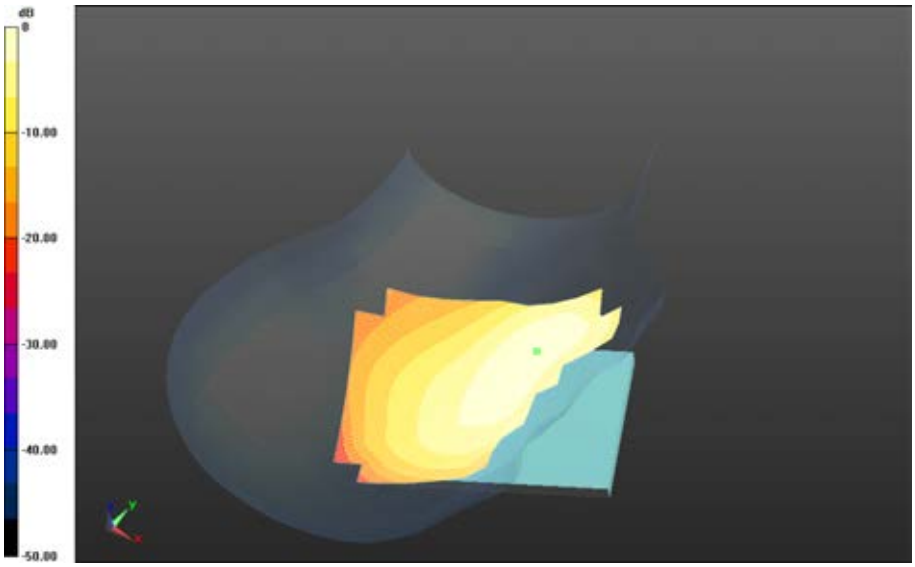
Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; $\sigma$ = 0.864 S/m; $\varepsilon_r$ = 40.041; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - LTE Band 5/Touch Position -LTE band 5_chan20450_10MHz_BW_RB1_Offset_Mid_amb_temp_24.6C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.550 V/m; **Power Drift = 0.015 dB**

**Fast SAR: SAR(1g) = 0.253 W/kg; SAR(10g) = 0.166 W/kg**
Maximum value of SAR (interpolated) = 0.270 W/kg



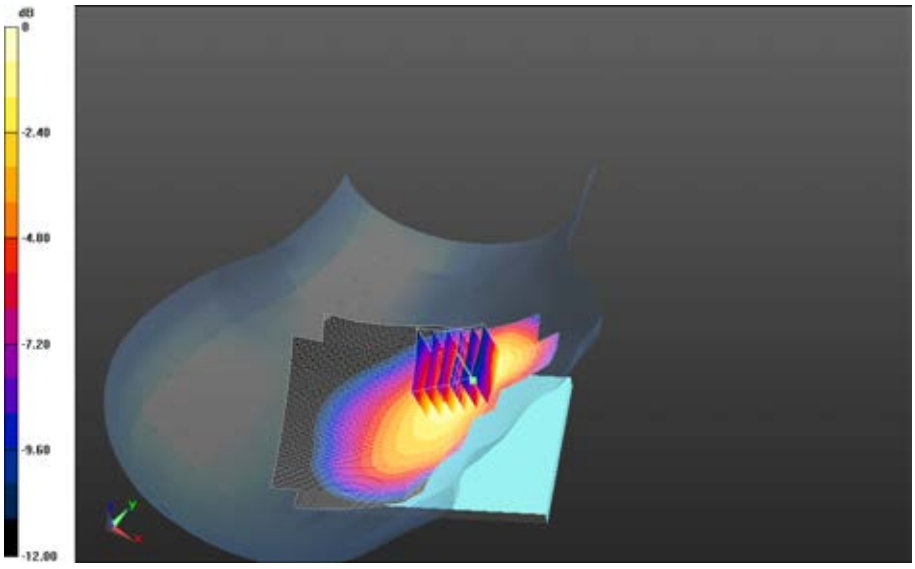

0 dB = 0.270 W/kg = -5.69 dBW/kg

**Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE band 5_chan20525_10MHz_BW_RB1_Offset_Low_amb_temp_24.6C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.971 V/m; **Power Drift = 0.00599 dB**

**Fast SAR: SAR(1g) = 0.277 W/kg; SAR(10g) = 0.181 W/kg**
Maximum value of SAR (interpolated) = 0.297 W/kg

**Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE band 5_chan20525_10MHz_BW_RB1_Offset_Low_amb_temp_24.6C_liq_temp_22.2C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.971 V/m; **Power Drift = 0.00599 dB**

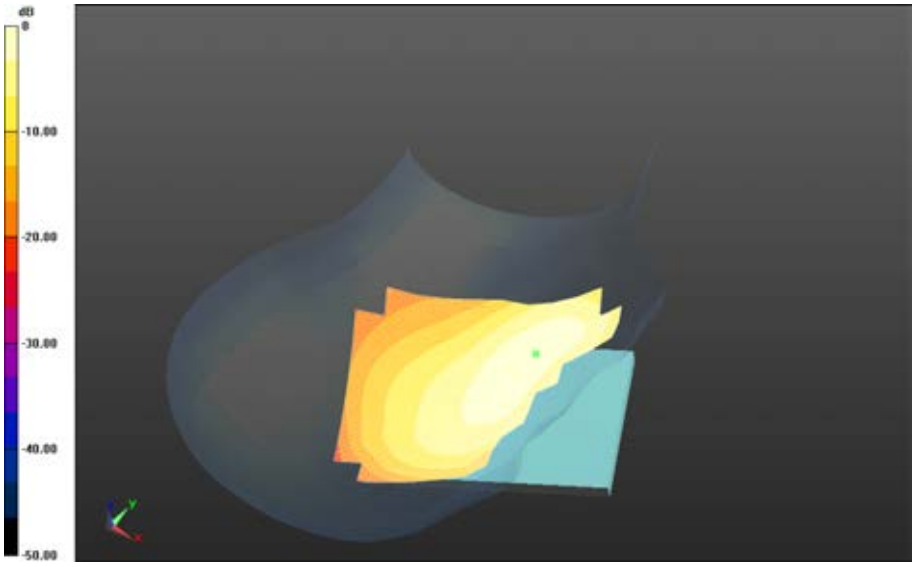
**Averaged SAR: SAR(1g) = 0.273 W/kg; SAR(10g) = 0.179 W/kg**
Maximum value of SAR (interpolated) = 0.384 W/kg




0 dB = 0.270 W/kg = -5.69 dBW/kg

**Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE band 5_chan20600_10MHz_BW_RB1_Offset_Low_amb_temp_24.3C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.895 V/m; **Power Drift = -0.013 dB**

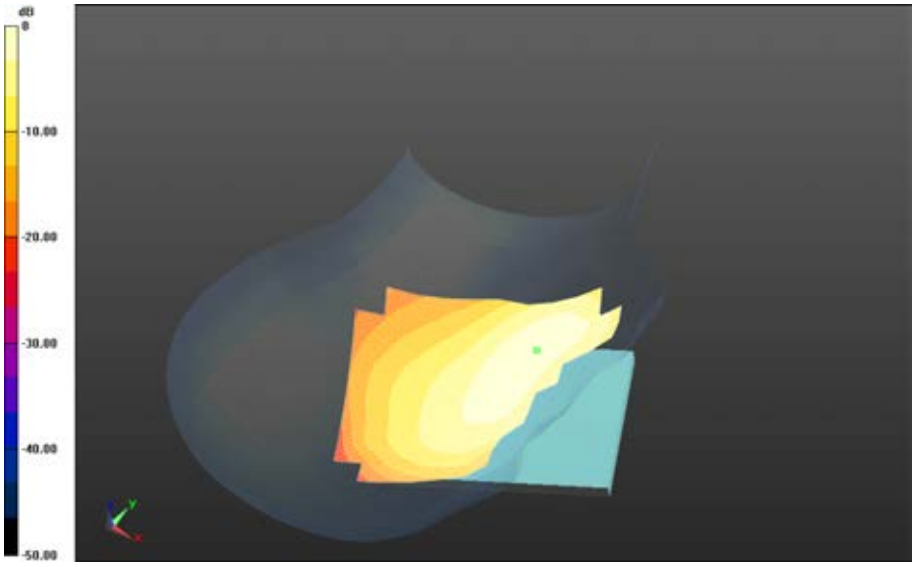
**Fast SAR: SAR(1g) = 0.270 W/kg; SAR(10g) = 0.176 W/kg**
Maximum value of SAR (interpolated) = 0.290 W/kg




0 dB = 0.289 W/kg = -5.39 dBW/kg

**Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE band 5_chan20450_10MHz_BW_RB25_Offset_High_amb_temp_24.3C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.976 V/m; **Power Drift = 0.030 dB**

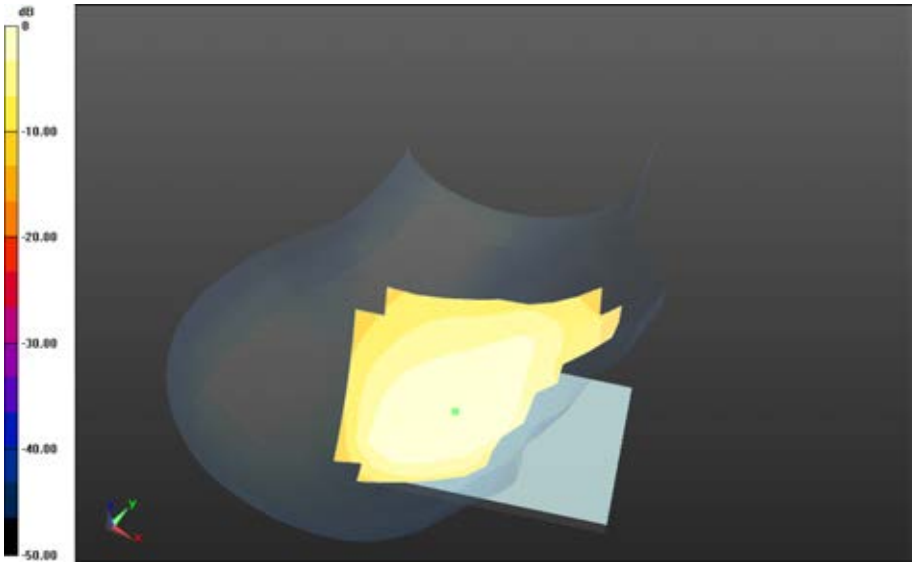
**Fast SAR: SAR(1g) = 0.213 W/kg; SAR(10g) = 0.139 W/kg**
Maximum value of SAR (interpolated) = 0.227 W/kg




0 dB = 0.290 W/kg = -5.38 dBW/kg

**Right-Hand-Side HSL - LTE Band 5/Tilt Position - LTE band 5_chan20450_10MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.220 V/m; **Power Drift = 0.043 dB**

**Fast SAR: SAR(1g) = 0.0819 W/kg; SAR(10g) = 0.0570 W/kg**
Maximum value of SAR (interpolated) = 0.0851 W/kg




0 dB = 0.227 W/kg = -6.44 dBW/kg

Date: 5/1/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Left-Hand-Side HSL - LTE Band 5

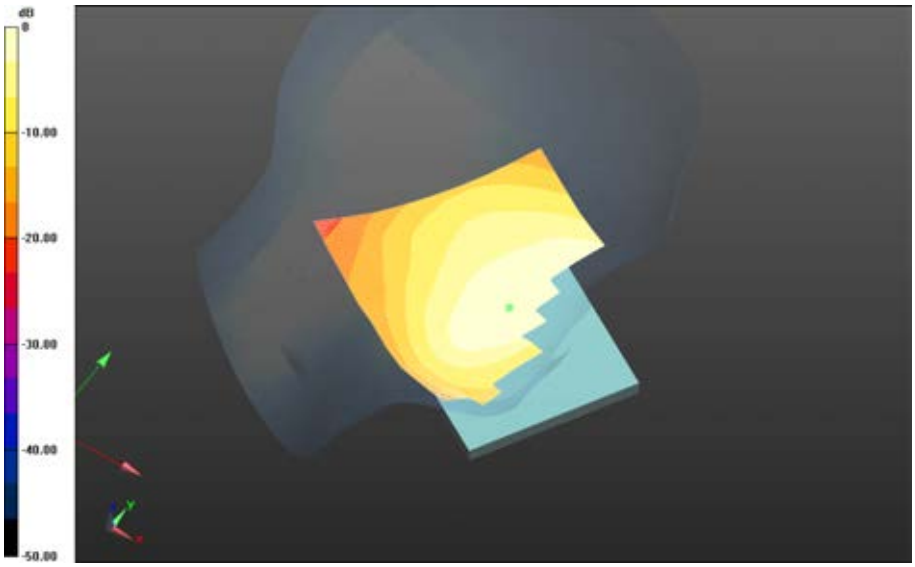
Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; $\sigma$ = 0.864 S/m; $\varepsilon_r$ = 40.041; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - LTE Band 5/Touch Position - LTE band 5_chan20450_10MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.003 V/m; **Power Drift = -0.00716 dB**

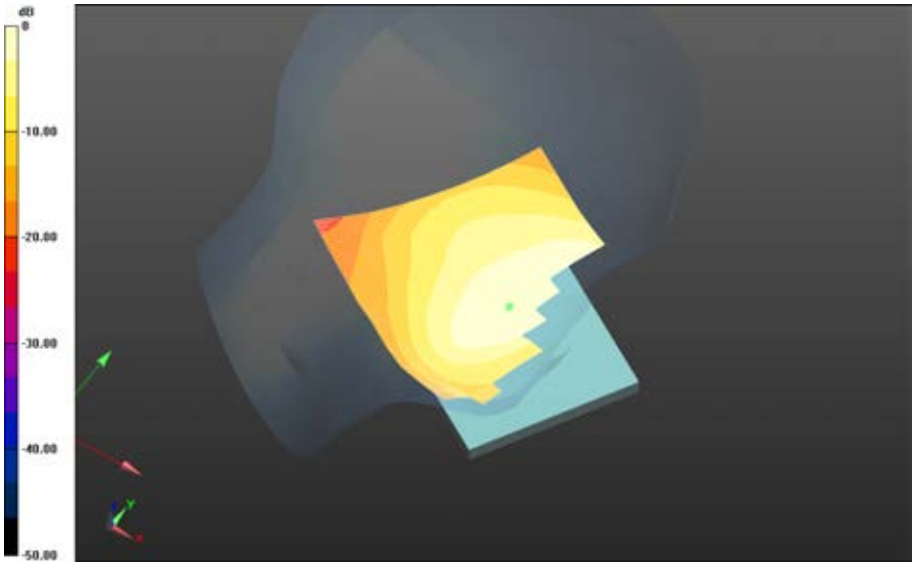
**Fast SAR: SAR(1g) = 0.144 W/kg; SAR(10g) = 0.0985 W/kg**
Maximum value of SAR (interpolated) = 0.151 W/kg




0 dB = 0.151 W/kg = -8.21 dBW/kg

**Left-Hand-Side HSL - LTE Band 5/Touch Position - LTE band 5_chan20450_10MHz_BW_RB25_Offset_High_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.595 V/m; **Power Drift = 0.051 dB**

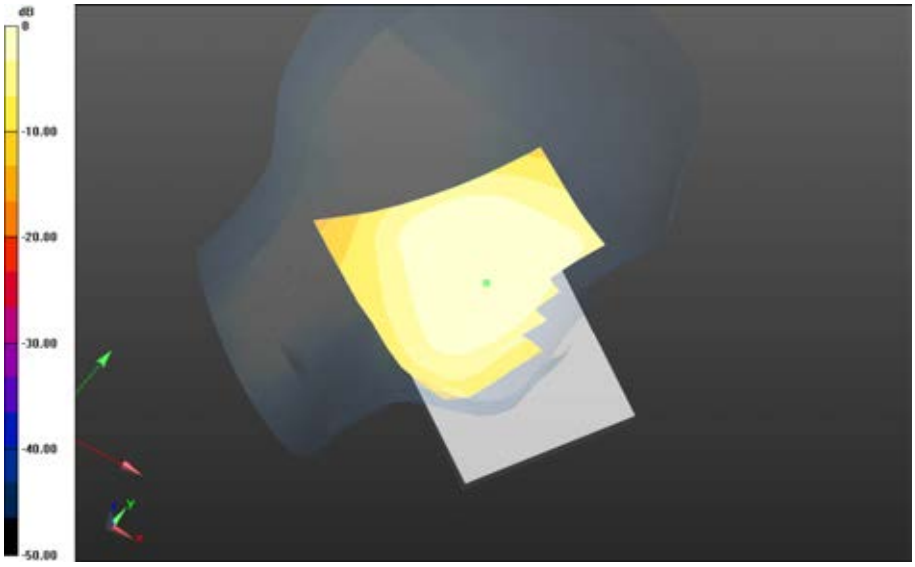
**Fast SAR: SAR(1g) = 0.121 W/kg; SAR(10g) = 0.0829 W/kg**
Maximum value of SAR (interpolated) = 0.128 W/kg




0 dB = 0.151 W/kg = -8.21 dBW/kg

**Left-Hand-Side HSL - LTE Band 5/Tilt Position - LTE band 5_chan20450_10MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.573 V/m; **Power Drift = -0.014 dB**

**Fast SAR: SAR(1g) = 0.0695 W/kg; SAR(10g) = 0.0491 W/kg**
Maximum value of SAR (interpolated) = 0.0719 W/kg




0 dB = 0.128 W/kg = -8.93 dBW/kg

# DTM 850

Date: 5/6/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Right-Hand-Side HSL - DTM 850

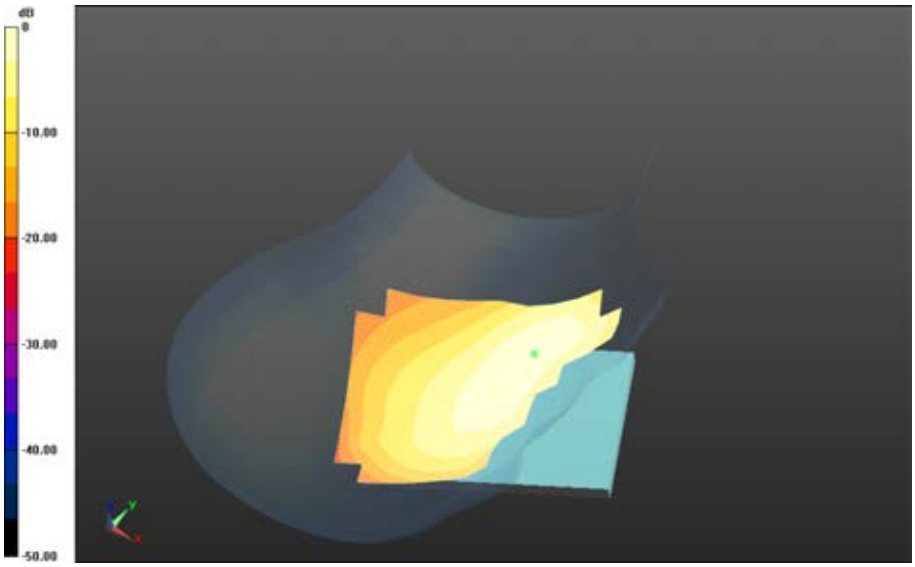
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; $\sigma$ = 0.889 S/m; $\varepsilon_r$ = 39.989; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - GSM 850_1-Slot_chan190_amb_temp_23.8C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.343 V/m; **Power Drift = 0.046 dB**

**Fast SAR: SAR(1g) = 0.312 W/kg; SAR(10g) = 0.206 W/kg**
Maximum value of SAR (interpolated) = 0.339 W/kg



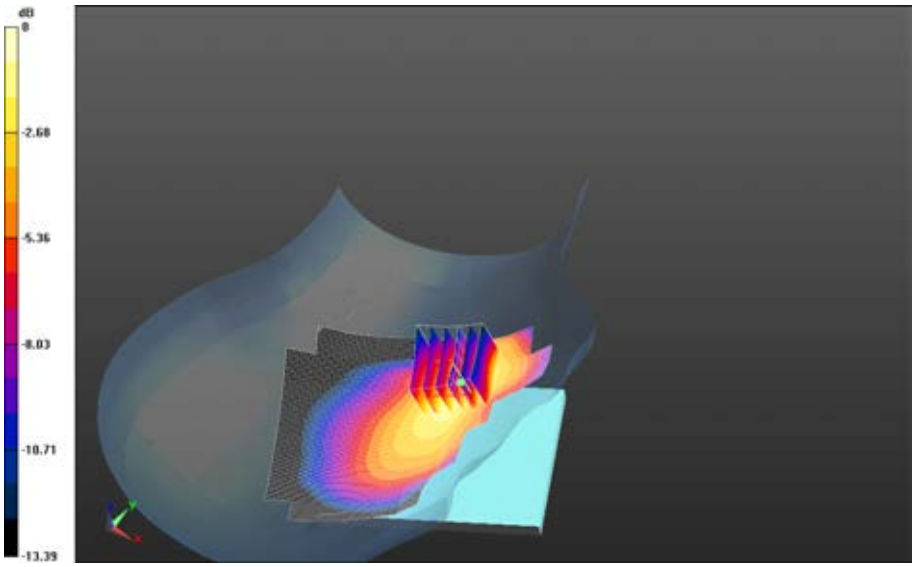

0 dB = 0.339 W/kg = -4.70 dBW/kg

**Right-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan128amb_temp_23.4C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.841 V/m; **Power Drift = 0.332 dB**

**Fast SAR: SAR(1g) = 0.354 W/kg; SAR(10g) = 0.234 W/kg**
Maximum value of SAR (interpolated) = 0.406 W/kg

**Right-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan128amb_temp_23.4C_liq_temp_22.2C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.841 V/m; **Power Drift = 0.332 dB**

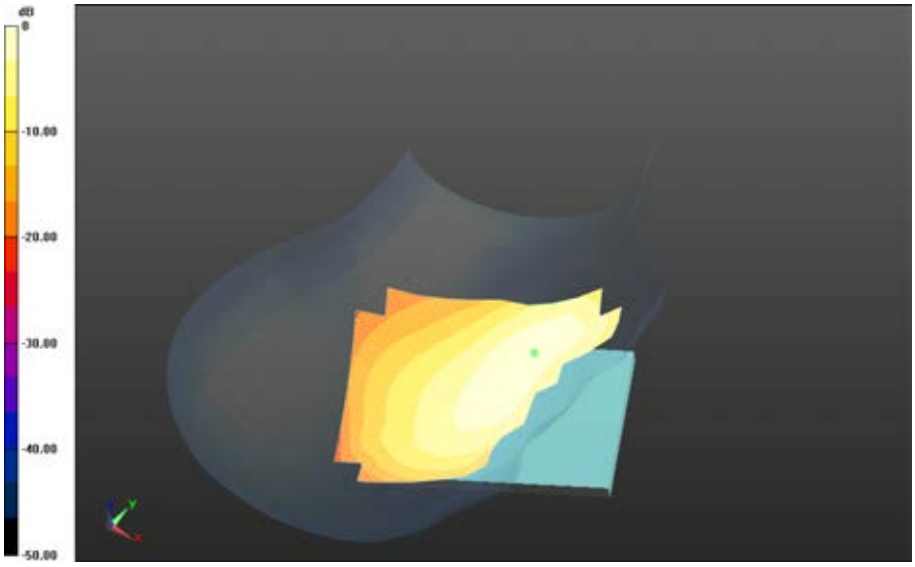
**Averaged SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.262 W/kg**
Maximum value of SAR (interpolated) = 0.602 W/kg




0 dB = 0.339 W/kg = -4.70 dBW/kg

**Right-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan190_amb_temp_23.5C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.398 V/m; **Power Drift = -0.077 dB**

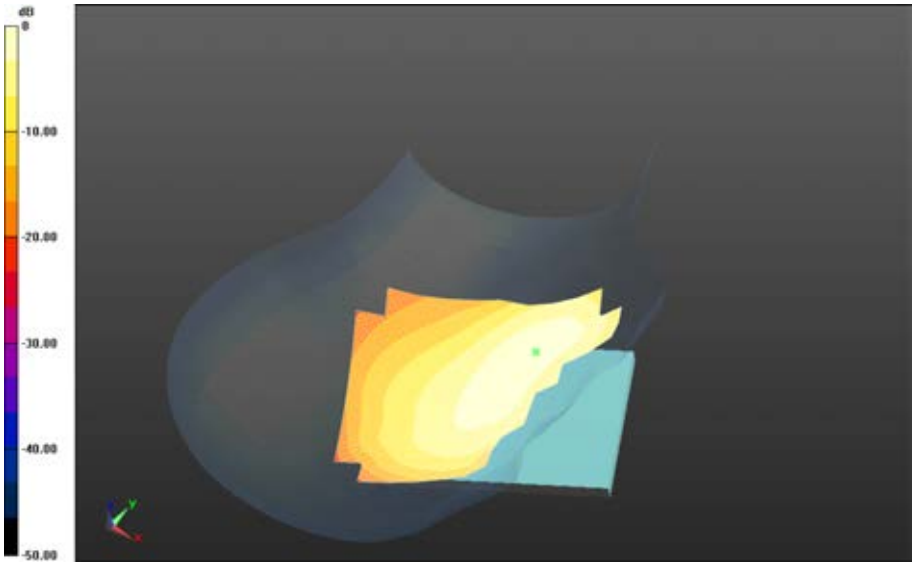
**Fast SAR: SAR(1g) = 0.319 W/kg; SAR(10g) = 0.211 W/kg**
Maximum value of SAR (interpolated) = 0.347 W/kg




0 dB = 0.435 W/kg = -3.62 dBW/kg

**Right-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan251amb_temp_23.5C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.315 V/m; **Power Drift = -0.148 dB**

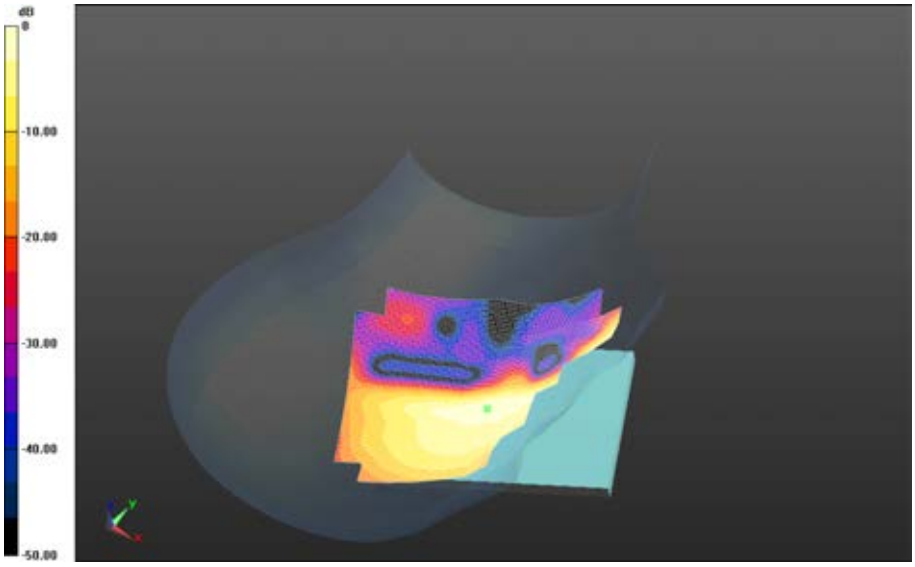
**Fast SAR: SAR(1g) = 0.294 W/kg; SAR(10g) = 0.194 W/kg**
Maximum value of SAR (interpolated) = 0.321 W/kg




0 dB = 0.347 W/kg = -4.60 dBW/kg

**Right-Hand-Side HSL - DTM 850/Touch Position - DTM 850_3-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 = 6.533 V/m; **Power Drift = 0.045 dB**

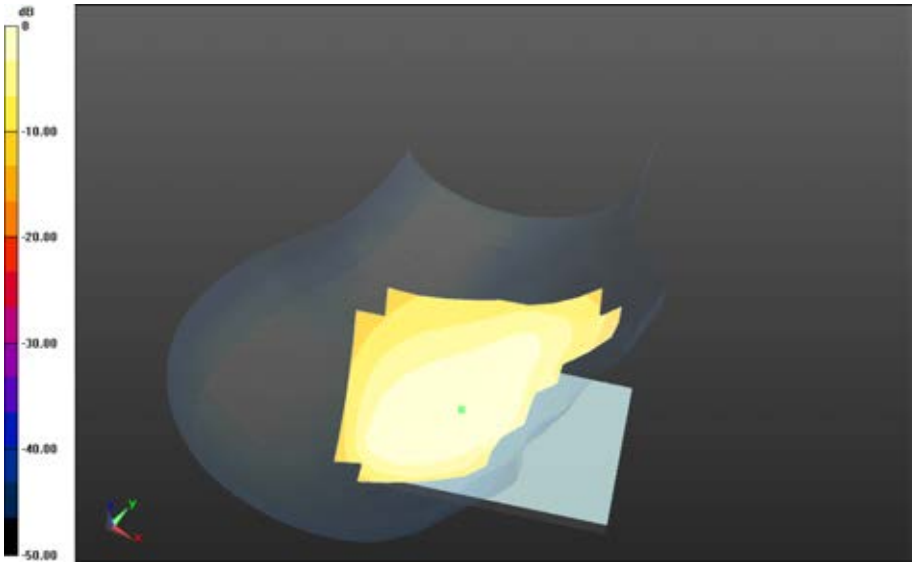
**Fast SAR: SAR(1g) = 0.302 W/kg; SAR(10g) = 0.171 W/kg**
Maximum value of SAR (interpolated) = 0.399 W/kg




0 dB = 0.321 W/kg = -4.93 dBW/kg

**Right-Hand-Side HSL - DTM 850/Tilt Position -DTM850_2-Slot_chan190_amb_temp_23.5C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.461 V/m; **Power Drift = 0.036 dB**

**Fast SAR: SAR(1g) = 0.114 W/kg; SAR(10g) = 0.0805 W/kg**
Maximum value of SAR (interpolated) = 0.120 W/kg




0 dB = 0.399 W/kg = -3.99 dBW/kg

Date: 5/6/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Left-Hand-Side HSL - DTM 850

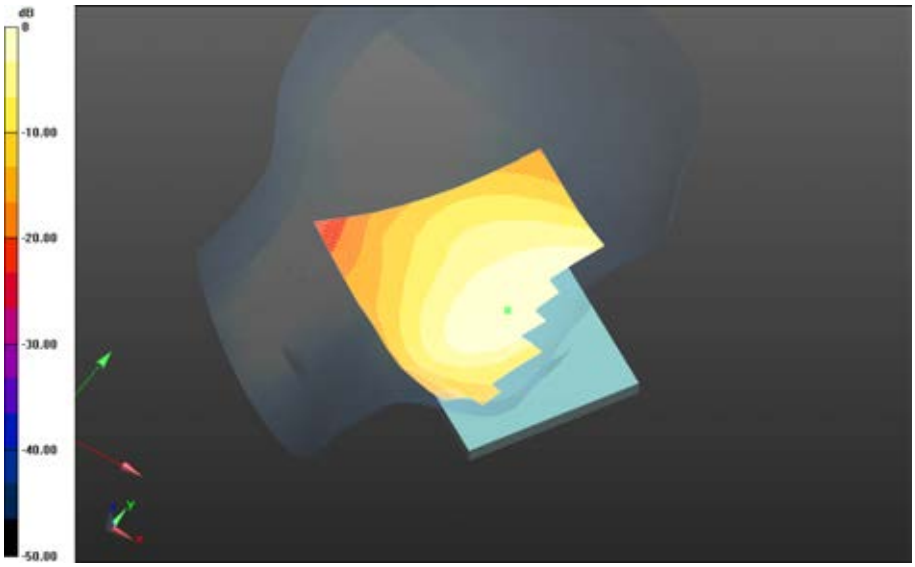
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; $\sigma$ = 0.889 S/m; $\varepsilon_r$ = 39.989; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - GSM 850_1-Slot_chan190_amb_temp_23.8C_liq_temp_22.3C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.751 V/m; **Power Drift = 0.095 dB**

**Fast SAR: SAR(1g) = 0.160 W/kg; SAR(10g) = 0.111 W/kg**
Maximum value of SAR (interpolated) = 0.172 W/kg



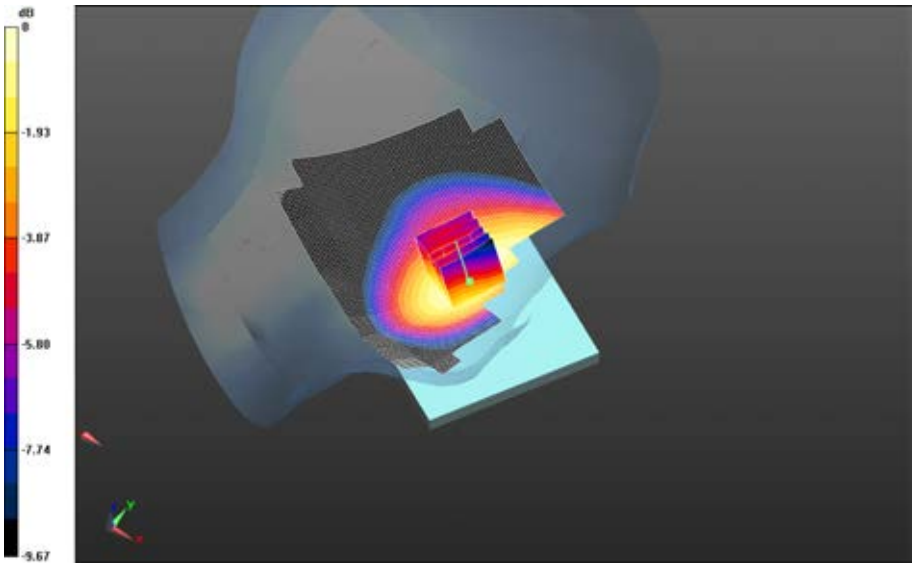

0 dB = 0.172 W/kg = -7.64 dBW/kg

**Left-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan190_amb_temp_23.5C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.661 V/m; **Power Drift = -0.00694 dB**

**Fast SAR: SAR(1g) = 0.162 W/kg; SAR(10g) = 0.112 W/kg**
Maximum value of SAR (interpolated) = 0.173 W/kg
10g avg. SAR maximum on border.

**Left-Hand-Side HSL - DTM 850/Touch Position - DTM 850_2-Slot_chan190_amb_temp_23.5C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.661 V/m; **Power Drift = -0.00694 dB**

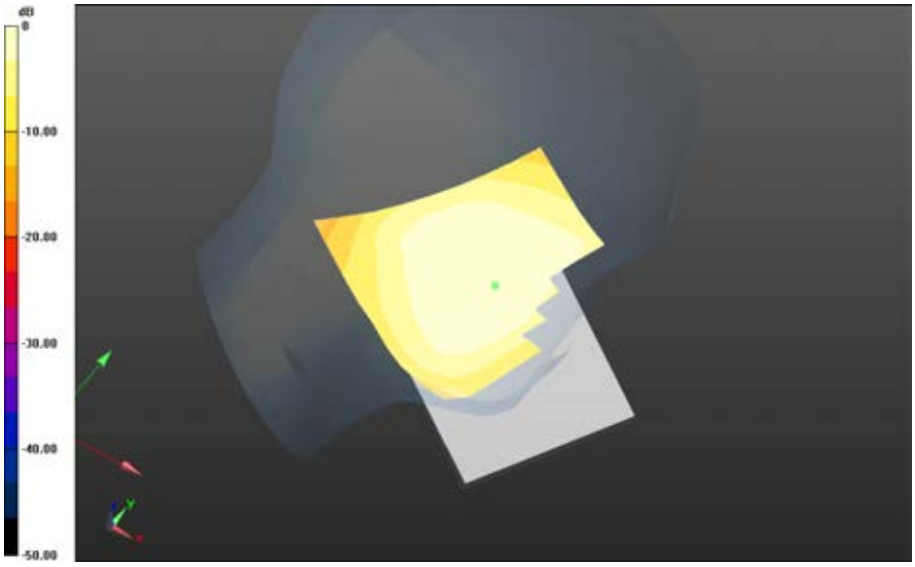
**Averaged SAR: SAR(1g) = 0.170 W/kg; SAR(10g) = 0.132 W/kg**
Maximum value of SAR (interpolated) = 0.203 W/kg




0 dB = 0.172 W/kg = -7.64 dBW/kg

**Left-Hand-Side HSL - DTM 850/Tilt Position - DTM850_chan190_amb_temp_23.7C_liq_temp_22.3C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.810 V/m; **Power Drift = -0.081 dB**

**Fast SAR: SAR(1g) = 0.0877 W/kg; SAR(10g) = 0.0623 W/kg**
Maximum value of SAR (interpolated) = 0.0922 W/kg




0 dB = 0.179 W/kg = -7.47 dBW/kg

# DTM 850 Rev 2

Date: 6/9/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF46F9**

## Configuration: Right-Hand-Side HSL - DTM 850 Rev 2

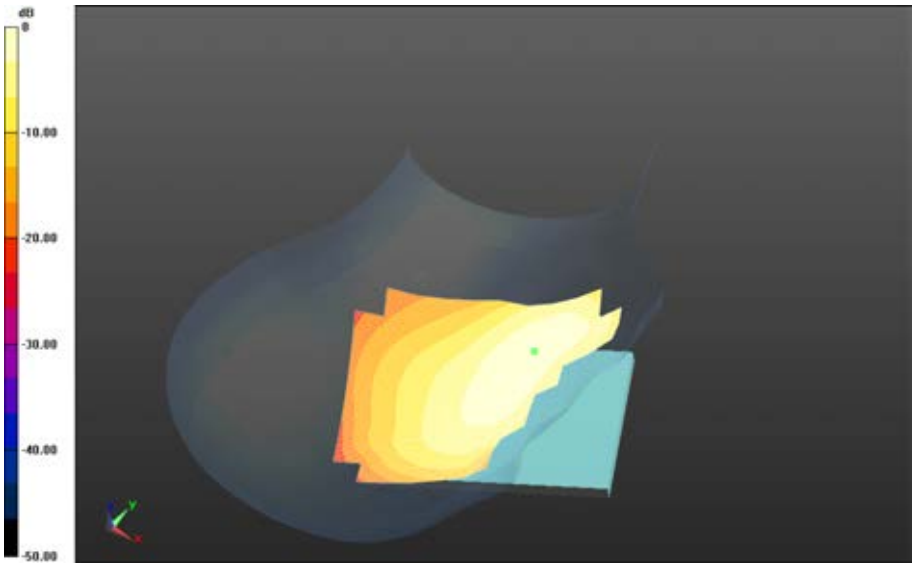
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; $\sigma$ = 0.886 S/m; $\varepsilon_r$ = 41.307; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 Rev 2/Touch Position - GSM 850_1-Slot_chan190_amb_temp_23.1C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.059 V/m; **Power Drift = 9.95e-005 dB**

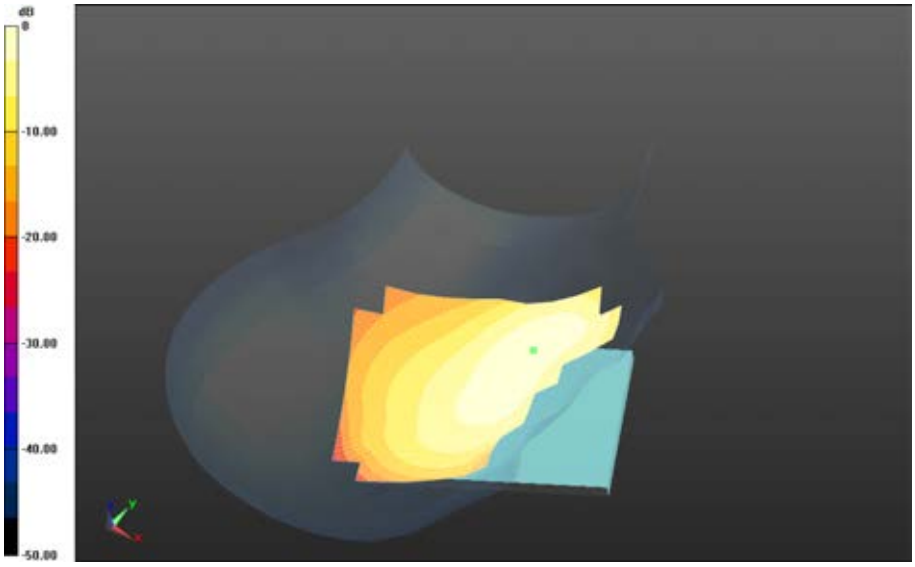
**Fast SAR: SAR(1g) = 0.378 W/kg; SAR(10g) = 0.249 W/kg**
Maximum value of SAR (interpolated) = 0.405 W/kg




0 dB = 0.405 W/kg = -3.93 dBW/kg

**Right-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_2-Slot_chan128amb_temp_23.3C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.871 V/m; **Power Drift = 0.072 dB**

**Fast SAR: SAR(1g) = 0.399 W/kg; SAR(10g) = 0.264 W/kg**
Maximum value of SAR (interpolated) = 0.423 W/kg

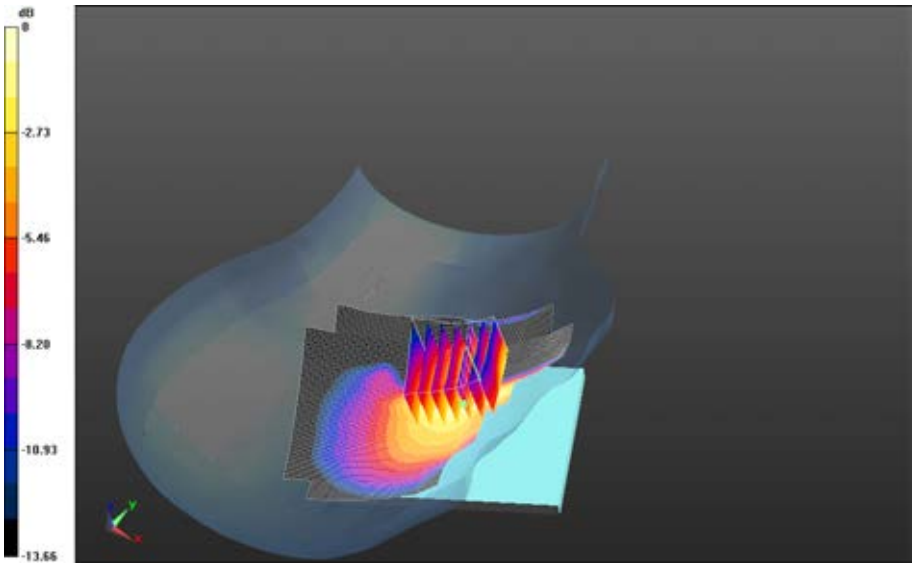



0 dB = 0.405 W/kg = -3.93 dBW/kg

**Right-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan128_amb_temp_23.4C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.157 V/m; **Power Drift = 0.022 dB**

**Right-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan128_amb_temp_23.4C_liq_temp_22.9C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.157 V/m; **Power Drift = 0.022 dB**

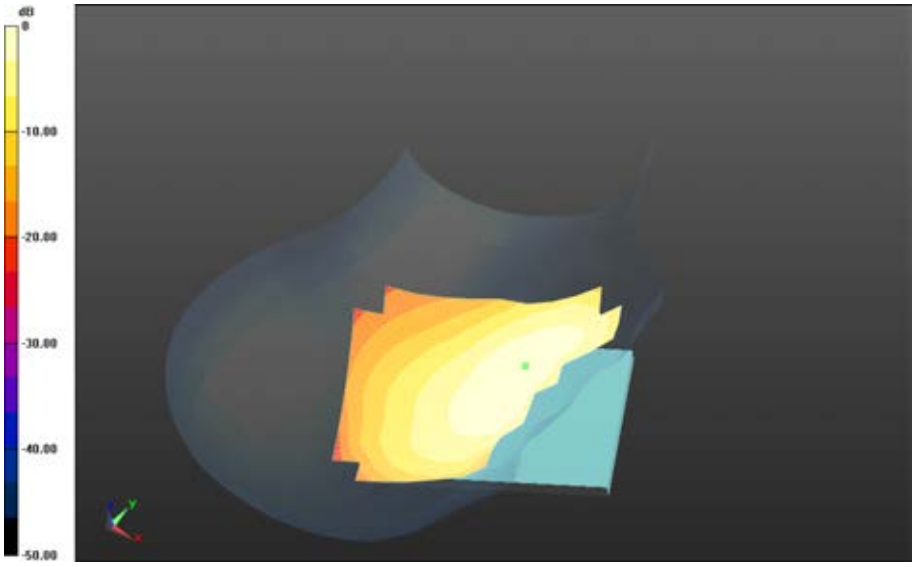
**Averaged SAR: SAR(1g) = 0.439 W/kg; SAR(10g) = 0.282 W/kg**
Maximum value of SAR (interpolated) = 0.630 W/kg




0 dB = 0.423 W/kg = -3.74 dBW/kg

**Right-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan190_amb_temp_23.4C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.889 V/m; **Power Drift = -0.062 dB**

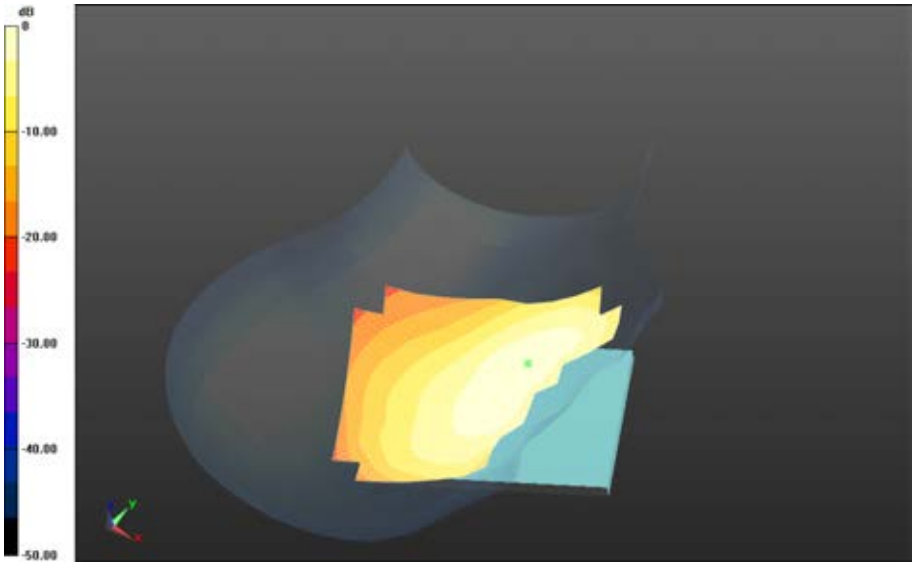
**Fast SAR: SAR(1g) = 0.378 W/kg; SAR(10g) = 0.253 W/kg**
Maximum value of SAR (interpolated) = 0.403 W/kg




0 dB = 0.464 W/kg = -3.33 dBW/kg

**Right-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan251_amb_temp_23.4C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.093 V/m; **Power Drift = 0.152 dB**

**Fast SAR: SAR(1g) = 0.330 W/kg; SAR(10g) = 0.219 W/kg**
Maximum value of SAR (interpolated) = 0.356 W/kg




0 dB = 0.403 W/kg = -3.95 dBW/kg

Date: 6/9/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF46F9**

## Configuration: Left-Hand-Side HSL - DTM 850 Rev 2

Communication System: DTM 850 (3 slots) (0); Communication System Band: DTM 850 (3 slots); Frequency: 824.2 MHz
Medium Parameters used: f=825 MHz; $\sigma$ = 0.875 S/m; $\varepsilon_r$ = 41.450; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

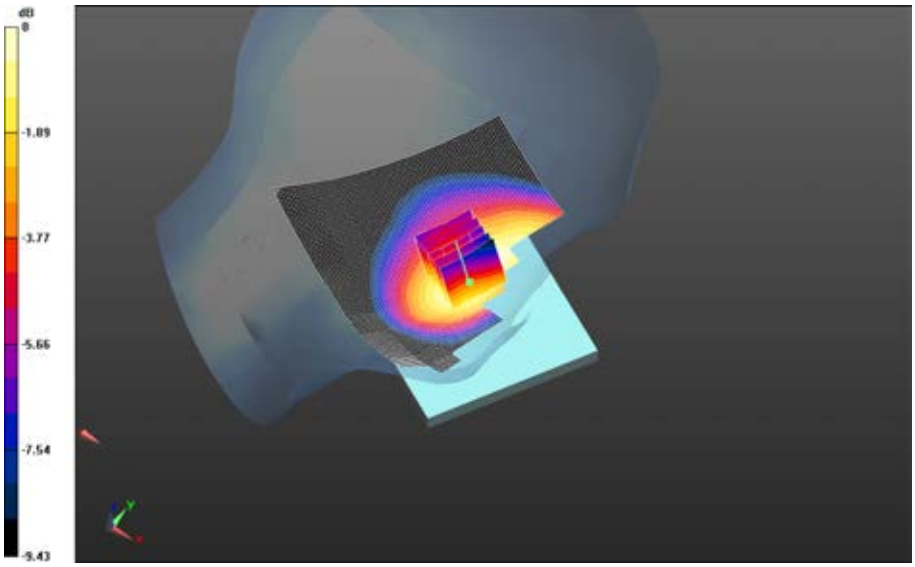
- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Left-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan128_amb_temp_23.7C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.115 V/m; **Power Drift = 0.00253 dB**

**Fast SAR: SAR(1g) = 0.216 W/kg; SAR(10g) = 0.148 W/kg**
Maximum value of SAR (interpolated) = 0.229 W/kg
10g avg. SAR maximum on border.

**Left-Hand-Side HSL - DTM 850 Rev 2/Touch Position - DTM 850_3-Slot_chan128_amb_temp_23.7C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.115 V/m; **Power Drift = 0.00253 dB**

**Averaged SAR: SAR(1g) = 0.223 W/kg; SAR(10g) = 0.170 W/kg**
Maximum value of SAR (interpolated) = 0.267 W/kg




0 dB = 0.228 W/kg = -6.42 dBW/kg

# UMTS Band V

Date: 5/1/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

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

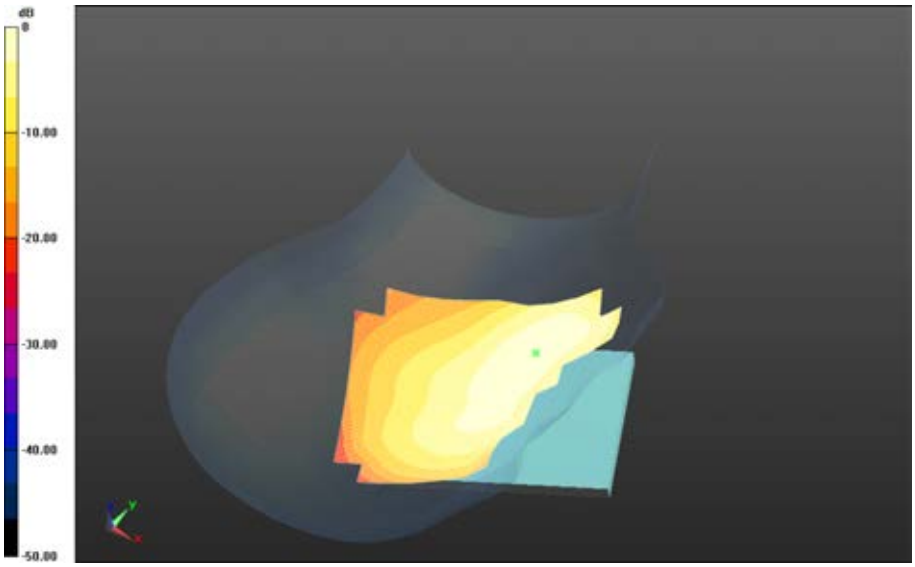
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;
Frequency: 826.4 MHz
Medium Parameters used: f=826.4 MHz; $\sigma$ = 0.862 S/m; $\varepsilon_r$ = 40.072; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 V/Touch Position -UMTS V_chan4132_amb_temp_23.8C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.294 V/m; **Power Drift = -0.027 dB**

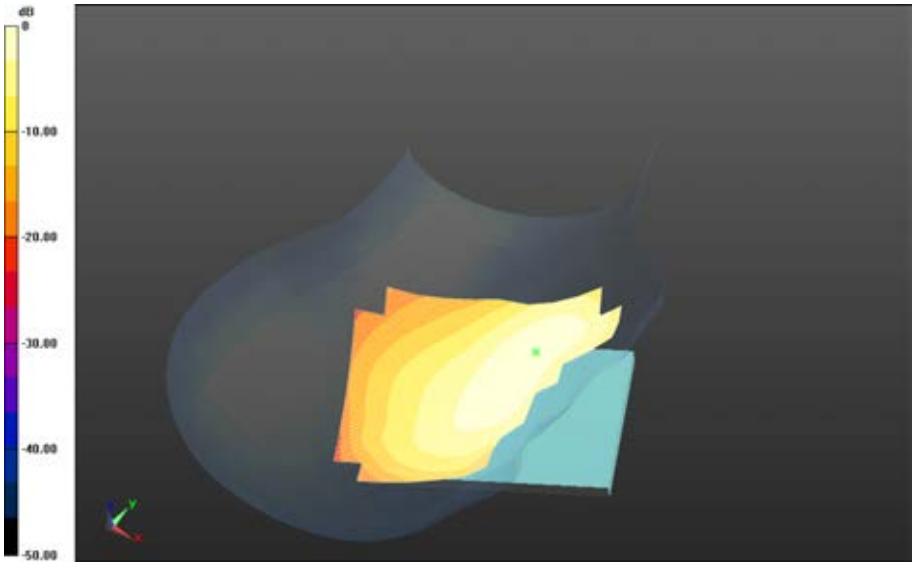
**Fast SAR: SAR(1g) = 0.323 W/kg; SAR(10g) = 0.212 W/kg**
Maximum value of SAR (interpolated) = 0.343 W/kg




0 dB = 0.343 W/kg = -4.65 dBW/kg

**Right-Hand-Side HSL - UMTS V/Touch Position -UMTS V_chan4182_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.574 V/m; **Power Drift = -0.00214 dB**

**Fast SAR: SAR(1g) = 0.344 W/kg; SAR(10g) = 0.226 W/kg**
Maximum value of SAR (interpolated) = 0.368 W/kg



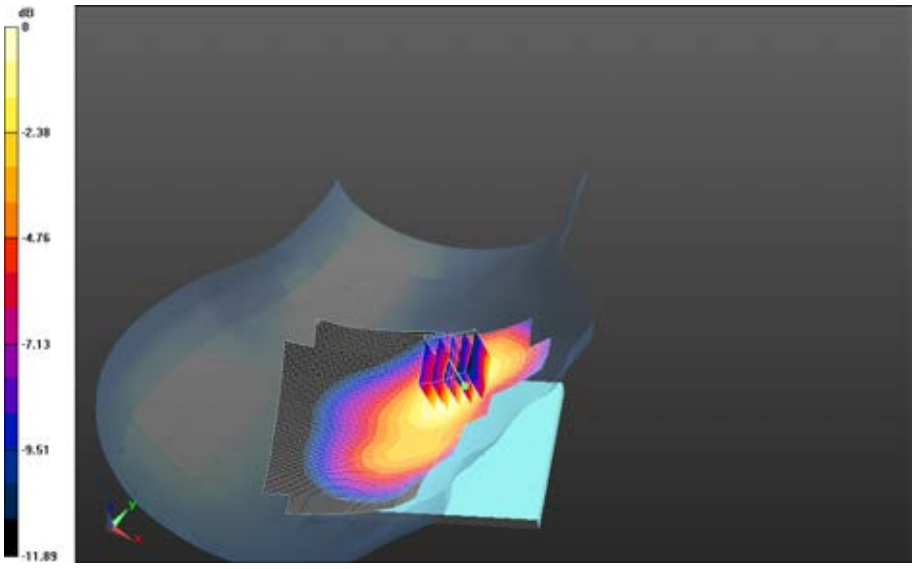

0 dB = 0.343 W/kg = -4.65 dBW/kg

**Right-Hand-Side HSL - UMTS V/Touch Position -UMTS V_chan4233_amb_temp_24.5C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.293 V/m; **Power Drift = -0.00947 dB**

**Fast SAR: SAR(1g) = 0.357 W/kg; SAR(10g) = 0.231 W/kg**
Maximum value of SAR (interpolated) = 0.386 W/kg

**Right-Hand-Side HSL - UMTS V/Touch Position -UMTS V_chan4233_amb_temp_24.5C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.293 V/m; **Power Drift = -0.00947 dB**

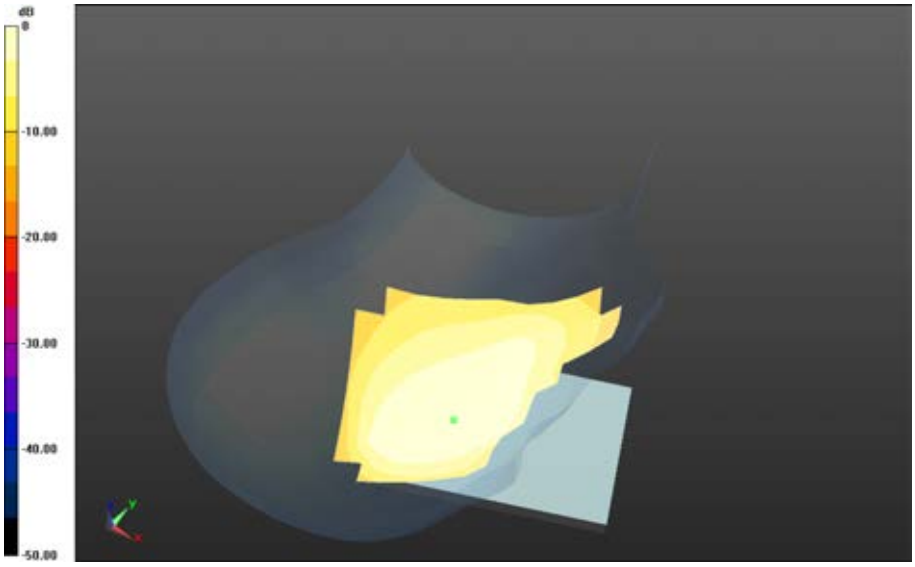
**Averaged SAR: SAR(1g) = 0.360 W/kg; SAR(10g) = 0.226 W/kg**
Maximum value of SAR (interpolated) = 0.516 W/kg




0 dB = 0.368 W/kg = -4.34 dBW/kg

**Right-Hand-Side HSL - UMTS V/Tilt Position -UMTS V_chan4182_amb_temp_24.1C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.601 V/m; **Power Drift = 0.00405 dB**

**Fast SAR: SAR(1g) = 0.124 W/kg; SAR(10g) = 0.0864 W/kg**
Maximum value of SAR (interpolated) = 0.129 W/kg




0 dB = 0.379 W/kg = -4.21 dBW/kg

Date: 5/1/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

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

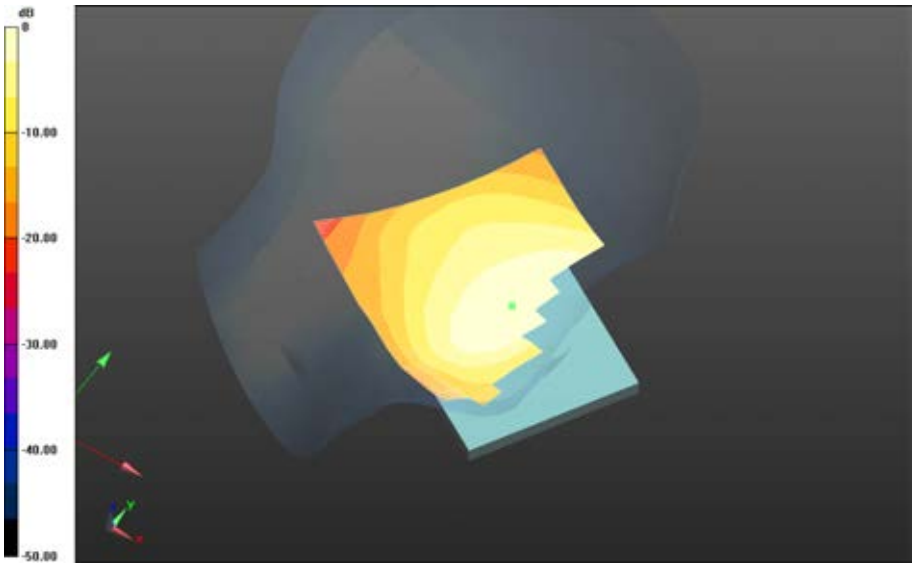
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V; Frequency: 836.4 MHz
Medium Parameters used: f=836.4 MHz; $\sigma$ = 0.870 S/m; $\varepsilon_r$ = 39.941; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (6.55,6.55,6.55); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 V/Touch Position - UMTS V_chan4182_amb_temp_24.5C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.288 V/m; **Power Drift = 0.022 dB**

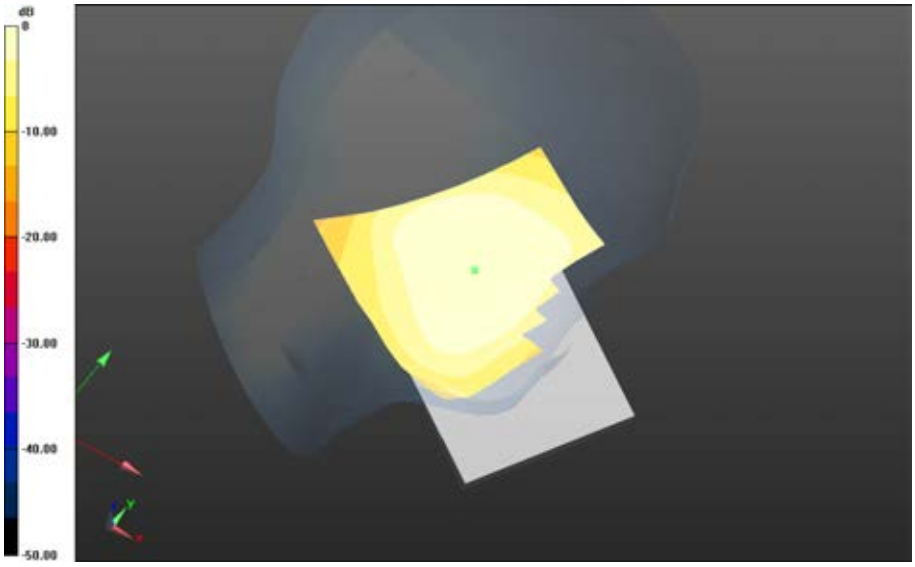
**Fast SAR: SAR(1g) = 0.236 W/kg; SAR(10g) = 0.162 W/kg**
Maximum value of SAR (interpolated) = 0.249 W/kg




0 dB = 0.249 W/kg = -6.04 dBW/kg

**Left-Hand-Side HSL - UMTS V/Tilt Position - UMTS V_chan4182_amb_temp_24.0C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.579 V/m; **Power Drift = -0.019 dB**

**Fast SAR: SAR(1g) = 0.0955 W/kg; SAR(10g) = 0.0674 W/kg**
Maximum value of SAR (interpolated) = 0.0991 W/kg




0 dB = 0.249 W/kg = -6.04 dBW/kg

# LTE Band 4

Date: 5/13/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Right-Hand-Side HSL -LTE band 4

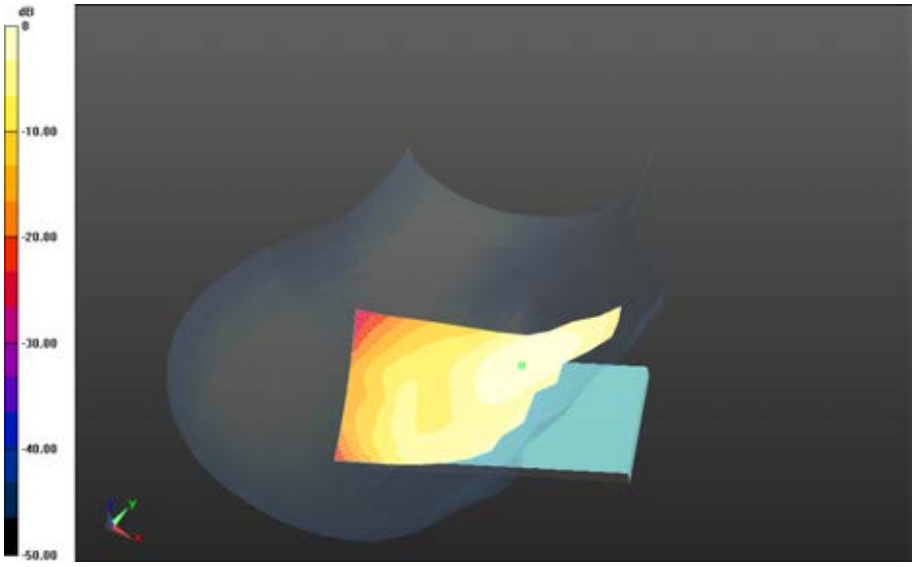
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1732.5 MHz
Medium Parameters used: f=1732.5 MHz; $\sigma$ = 1.398 S/m; $\varepsilon_r$ = 40.696; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 -LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Low_amb_temp_23.3C_liq_temp_22.4C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.507 V/m; **Power Drift = -0.171 dB**

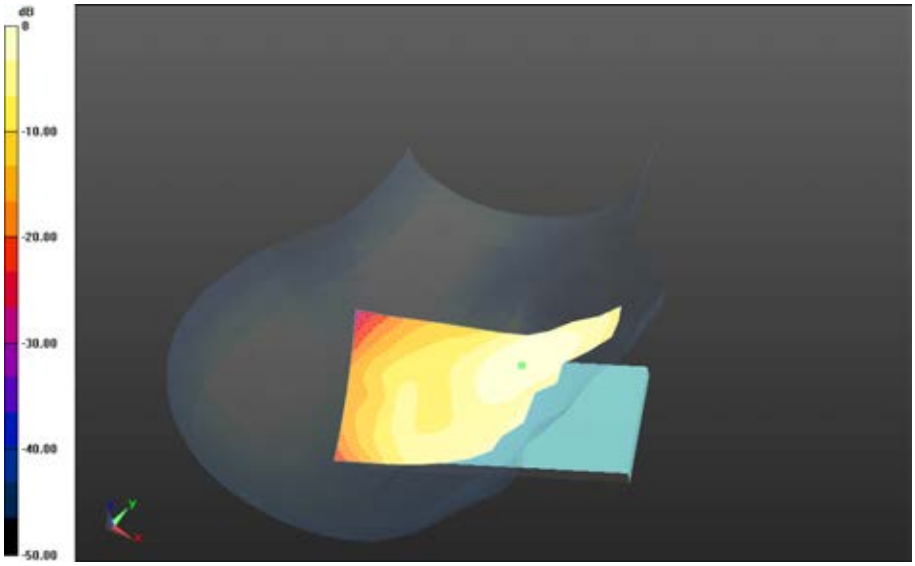
**Fast SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.155 W/kg**
Maximum value of SAR (interpolated) = 0.288 W/kg




0 dB = 0.288 W/kg = -5.41 dBW/kg

**Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB50_Offset_Low_amb_temp_23.1C_liq_temp_22.4C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.951 V/m; **Power Drift = -0.156 dB**

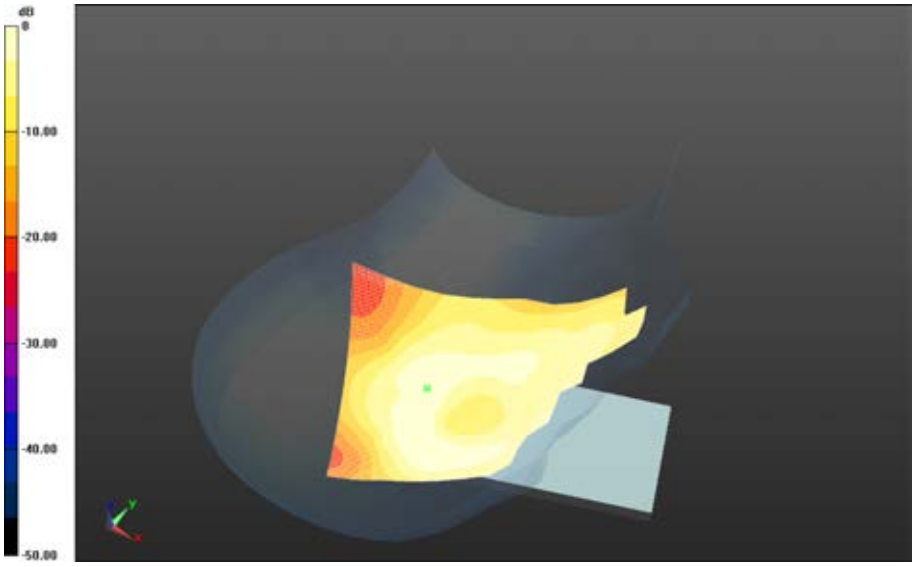
**Fast SAR: SAR(1g) = 0.211 W/kg; SAR(10g) = 0.126 W/kg**
Maximum value of SAR (interpolated) = 0.234 W/kg




0 dB = 0.288 W/kg = -5.41 dBW/kg

**Right-Hand-Side HSL -LTE band 4/Tilt Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.759 V/m; **Power Drift = 0.035 dB**

**Fast SAR: SAR(1g) = 0.0805 W/kg; SAR(10g) = 0.0455 W/kg**
Maximum value of SAR (interpolated) = 0.0926 W/kg




0 dB = 0.234 W/kg = -6.31 dBW/kg

Date: 5/13/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D3C**

## Configuration: Left-Hand-Side HSL - LTE band 4

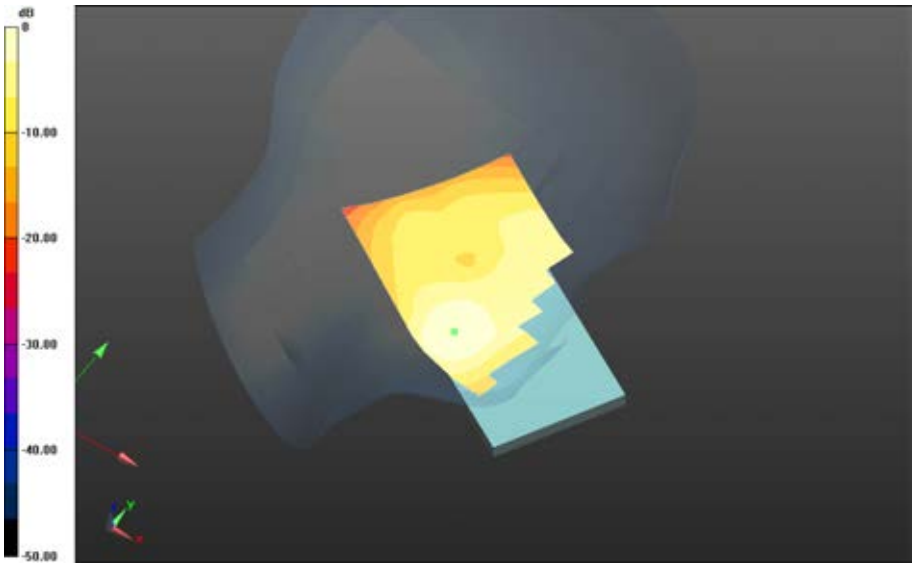
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; $\sigma$ = 1.381 S/m; $\varepsilon_r$ = 40.783; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - LTE band 4/Touch Position -LTE band 4_chan20050_20MHz_BW_RB1_Offset_Mid_amb_temp_23.1C_liq_temp_22.3C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.494 V/m; **Power Drift = -0.188 dB**

**Fast SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.174 W/kg**
Maximum value of SAR (interpolated) = 0.333 W/kg



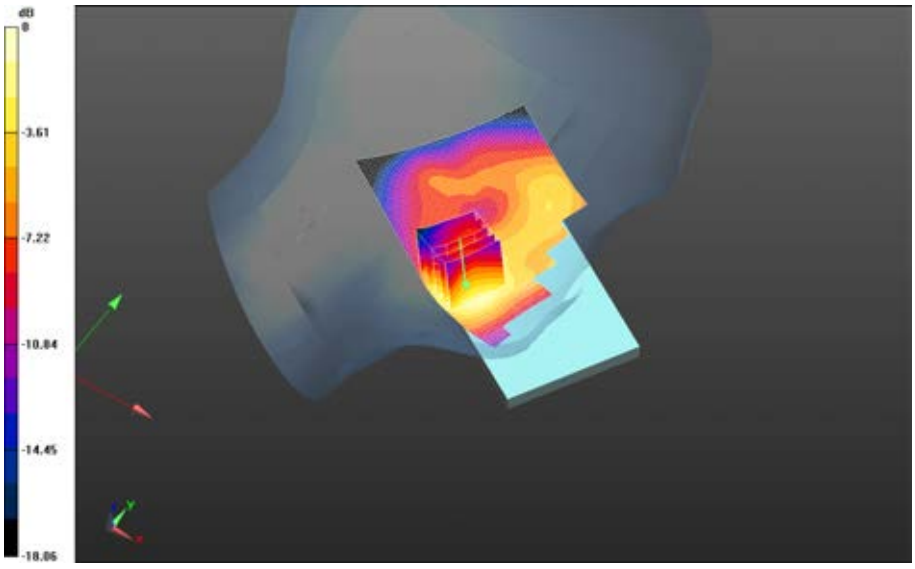

0 dB = 0.333 W/kg = -4.78 dBW/kg

**Left-Hand-Side HSL - LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Low_amb_temp_23.2C_liq_temp_22.3C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.462 V/m; **Power Drift = -0.173 dB**

**Fast SAR: SAR(1g) = 0.327 W/kg; SAR(10g) = 0.189 W/kg**
Maximum value of SAR (interpolated) = 0.364 W/kg

**Left-Hand-Side HSL - LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Low_amb_temp_23.2C_liq_temp_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 3.462 V/m; **Power Drift = -0.173 dB**

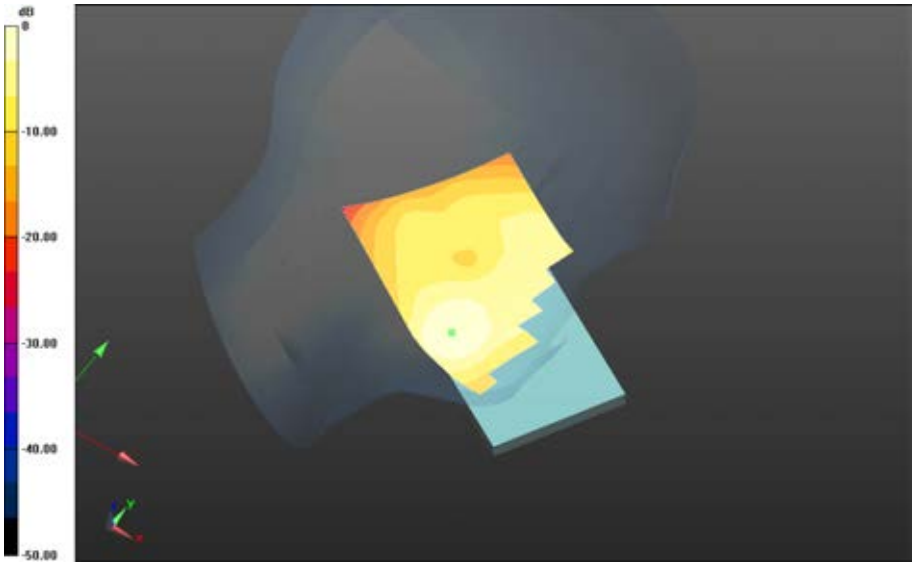
**Averaged SAR: SAR(1g) = 0.307 W/kg; SAR(10g) = 0.201 W/kg**
Maximum value of SAR (interpolated) = 0.412 W/kg




0 dB = 0.333 W/kg = -4.78 dBW/kg

**Left-Hand-Side HSL - LTE band 4/Touch Position -LTE band 4_chan20300_20MHz_BW_RB1_Offset_Low_amb_temp_23.0C_liq_temp_22.2C 3/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.201 V/m; **Power Drift = -0.186 dB**

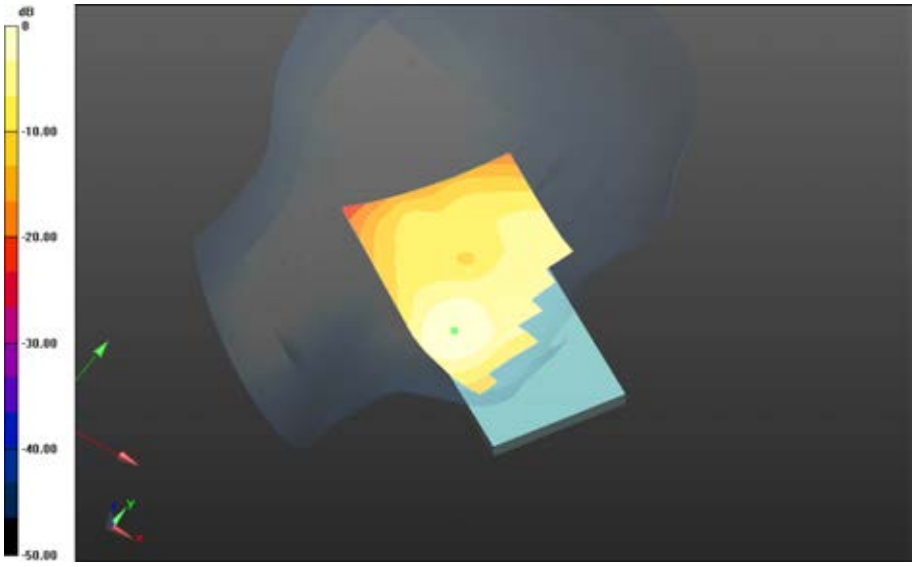
**Fast SAR: SAR(1g) = 0.296 W/kg; SAR(10g) = 0.170 W/kg**
Maximum value of SAR (interpolated) = 0.331 W/kg




0 dB = 0.330 W/kg = -4.81 dBW/kg

**Left-Hand-Side HSL - LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB50_Offset_Low_amb_temp_23.3C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.934 V/m; **Power Drift = 0.034 dB**

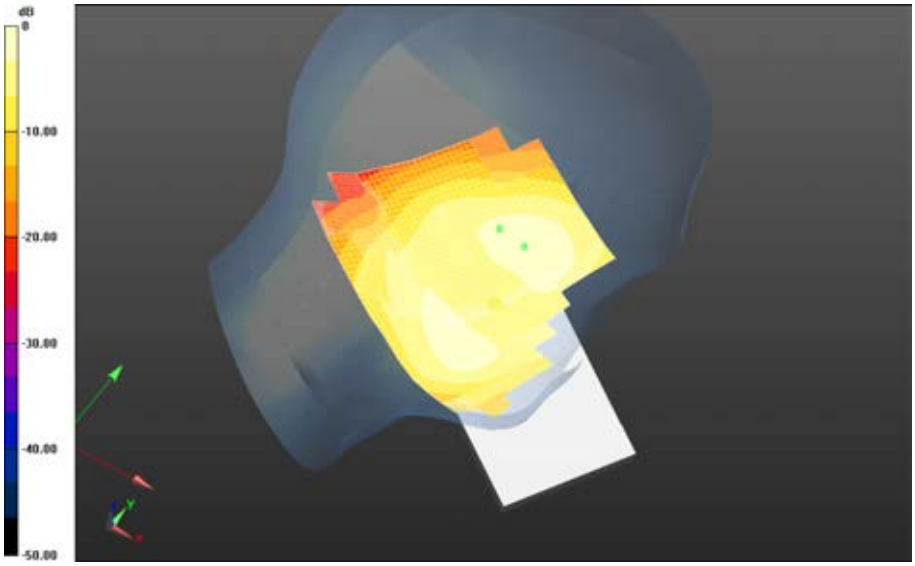
**Fast SAR: SAR(1g) = 0.253 W/kg; SAR(10g) = 0.147 W/kg**
Maximum value of SAR (interpolated) = 0.282 W/kg




0 dB = 0.331 W/kg = -4.80 dBW/kg

**Left-Hand-Side HSL - LTE band 4/Tilt Position - LTE band 4_chan20175_20MHz_BW_RB1_Offset_Low_amb_temp_23.5C_liq_temp_22.2C/Area Scan 2 (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 2.934 V/m; **Power Drift = 0.086 dB**

**Fast SAR: SAR(1g) = 0.0867 W/kg; SAR(10g) = 0.0531 W/kg**
Maximum value of SAR (interpolated) = 0.105 W/kg




0 dB = 0.282 W/kg = -5.50 dBW/kg

# UMTS Band IV

Date: 5/14/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Right-Hand-Side HSL -UMTS band IV

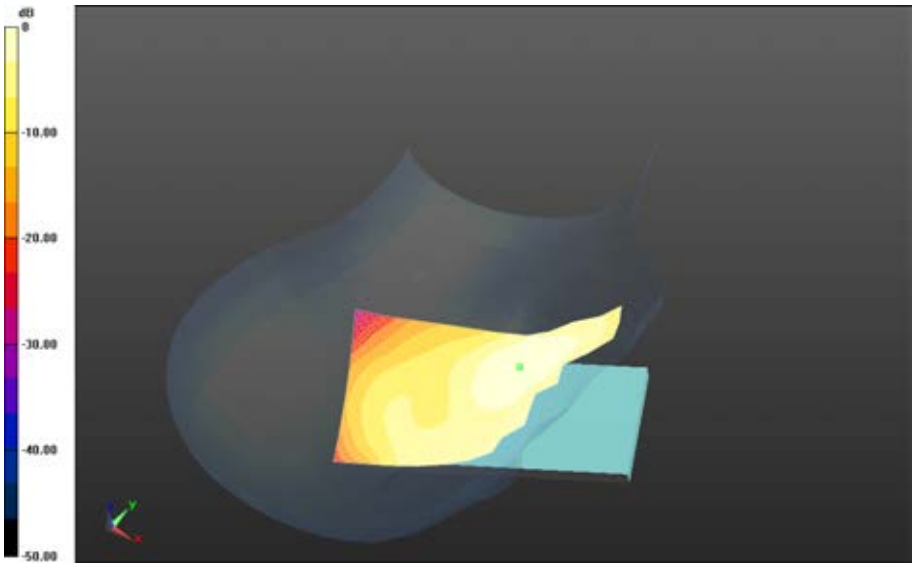
Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;
Frequency: 1732.6 MHz
Medium Parameters used: f=1732.6 MHz; $\sigma$ = 1.370 S/m; $\varepsilon_r$ = 40.353; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 IV/Touch Position -UMTS band IV_amb_temp_23.8C_liq_temp_22.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.533 V/m; **Power Drift = -0.135 dB**

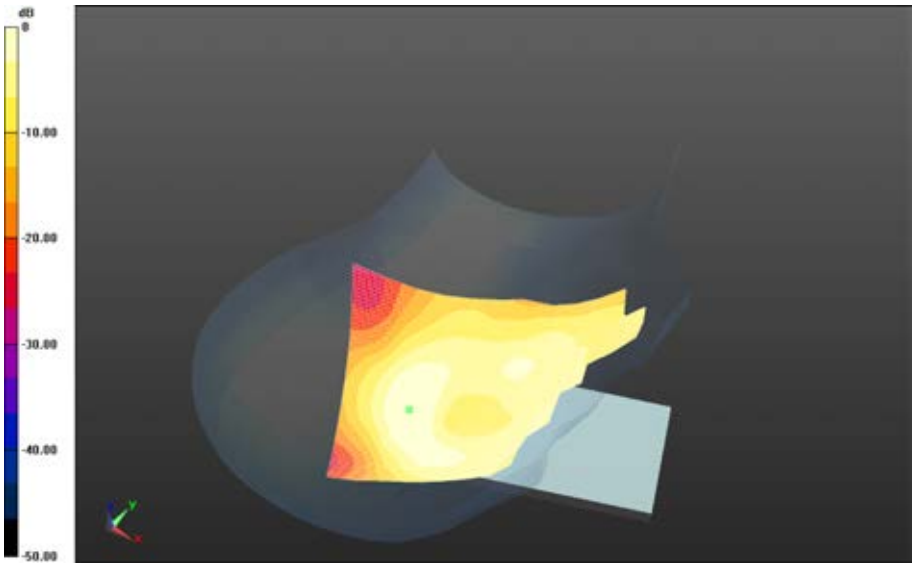
**Fast SAR: SAR(1g) = 0.240 W/kg; SAR(10g) = 0.145 W/kg**
Maximum value of SAR (interpolated) = 0.266 W/kg




0 dB = 0.266 W/kg = -5.75 dBW/kg

**Right-Hand-Side HSL -UMTS band IV/Tilt Position -UMTS band IV_amb_temp_24.3C_liq_temp_22.8C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.838 V/m; **Power Drift = 0.131 dB**

**Fast SAR: SAR(1g) = 0.111 W/kg; SAR(10g) = 0.0633 W/kg**
Maximum value of SAR (interpolated) = 0.129 W/kg




0 dB = 0.266 W/kg = -5.75 dBW/kg

Date: 5/14/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Left-Hand-Side HSL - UMTS band IV

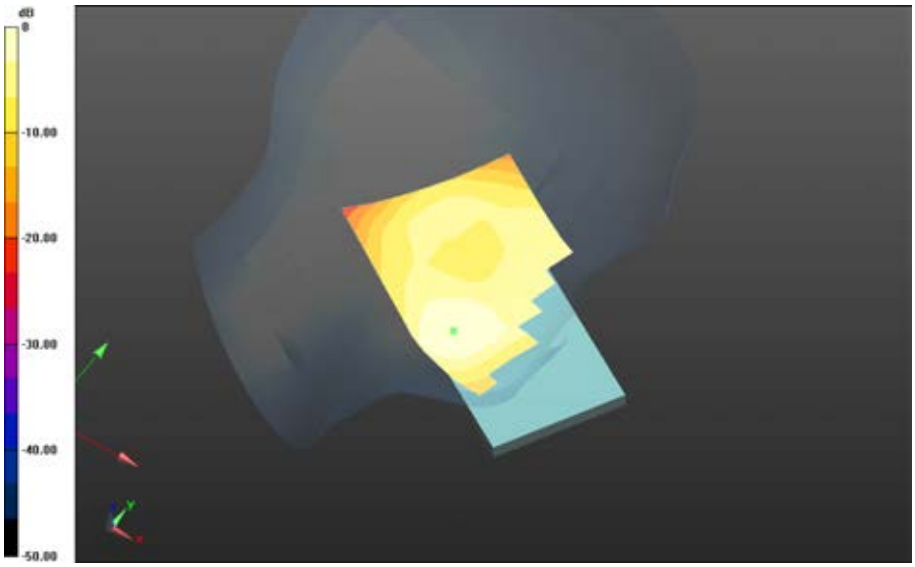
Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV; Frequency: 1712.4 MHz
Medium Parameters used: f=1712.4 MHz; $\sigma$ = 1.375 S/m; $\varepsilon_r$ = 40.798; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 IV/Touch Position -UMTS band IV_chan1312_amb_temp_23.2C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.944 V/m; **Power Drift = 0.036 dB**

**Fast SAR: SAR(1g) = 0.220 W/kg; SAR(10g) = 0.129 W/kg**
Maximum value of SAR (interpolated) = 0.245 W/kg




0 dB = 0.245 W/kg = -6.11 dBW/kg

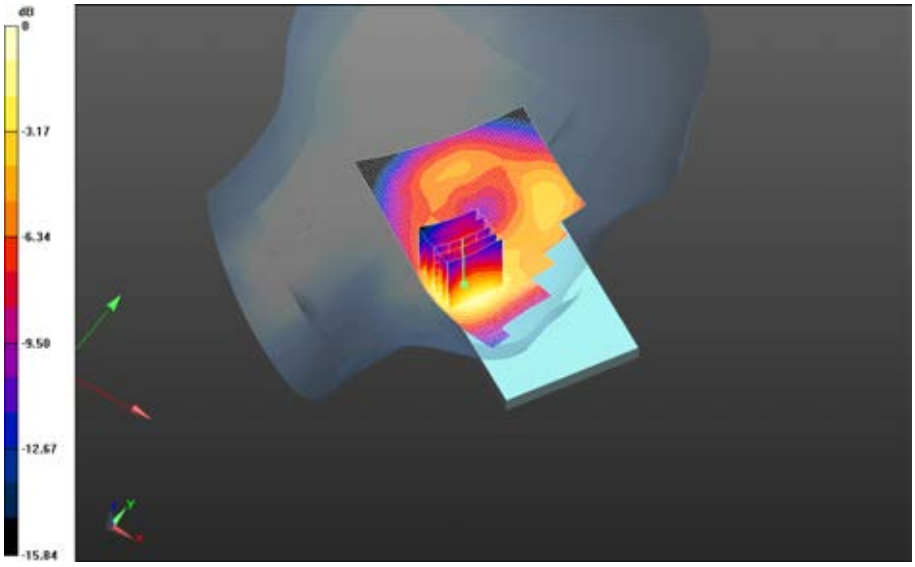
**Left-Hand-Side HSL - UMTS band IV/Touch Position -UMTS band IV_chan1413_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.460 V/m; **Power Drift = -0.097 dB**

**Fast SAR: SAR(1g) = 0.257 W/kg; SAR(10g) = 0.149 W/kg**
Maximum value of SAR (interpolated) = 0.287 W/kg

**Left-Hand-Side HSL - UMTS band IV/Touch Position -UMTS band IV_chan1413_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.460 V/m; **Power Drift = -0.097 dB**

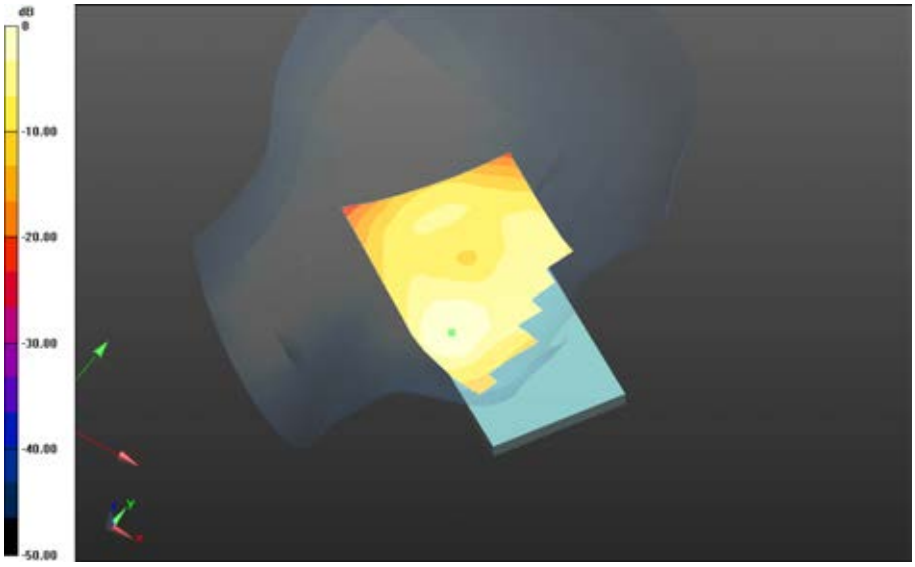
**Averaged SAR: SAR(1g) = 0.249 W/kg; SAR(10g) = 0.163 W/kg**
Maximum value of SAR (interpolated) = 0.332 W/kg




0 dB = 0.245 W/kg = -6.11 dBW/kg

**Left-Hand-Side HSL - UMTS band IV/Touch Position -UMTS band IV_chan1513_amb_temp_23.0C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.412 V/m; **Power Drift = -0.090 dB**

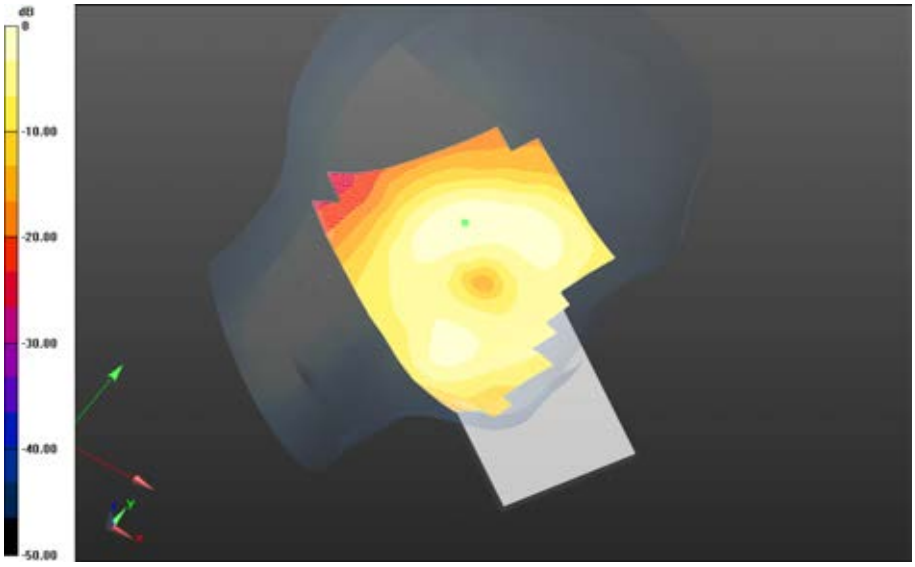
**Fast SAR: SAR(1g) = 0.226 W/kg; SAR(10g) = 0.129 W/kg**
Maximum value of SAR (interpolated) = 0.255 W/kg




0 dB = 0.270 W/kg = -5.69 dBW/kg

**Left-Hand-Side HSL - UMTS band IV/Tilt Position - UMTS band IV_chan1413_amb_temp_23.5C_liq_temp_22.2C/Area Scan 2 (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.626 V/m; **Power Drift = -0.185 dB**

**Fast SAR: SAR(1g) = 0.0988 W/kg; SAR(10g) = 0.0576 W/kg**
Maximum value of SAR (interpolated) = 0.123 W/kg




0 dB = 0.255 W/kg = -5.93 dBW/kg

# LTE Band 2

Date: 4/25/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Right-Hand-Side HSL -LTE band 2

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; $\sigma$ = 1.415 S/m; $\varepsilon_r$ = 39.339; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

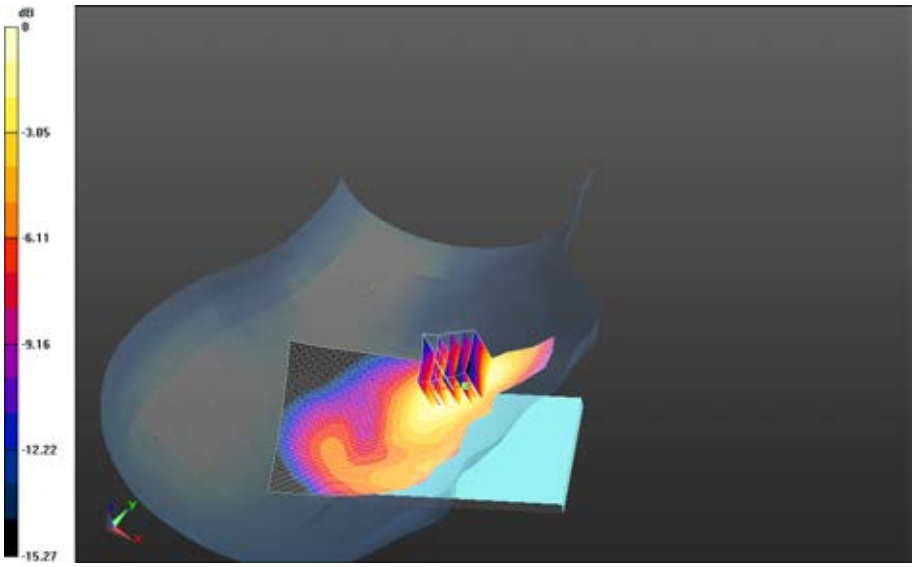
- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.3C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.422 V/m; **Power Drift = -0.066 dB**

**Fast SAR: SAR(1g) = 0.168 W/kg; SAR(10g) = 0.0982 W/kg**
Maximum value of SAR (interpolated) = 0.185 W/kg

**Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.3C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.422 V/m; **Power Drift = -0.066 dB**

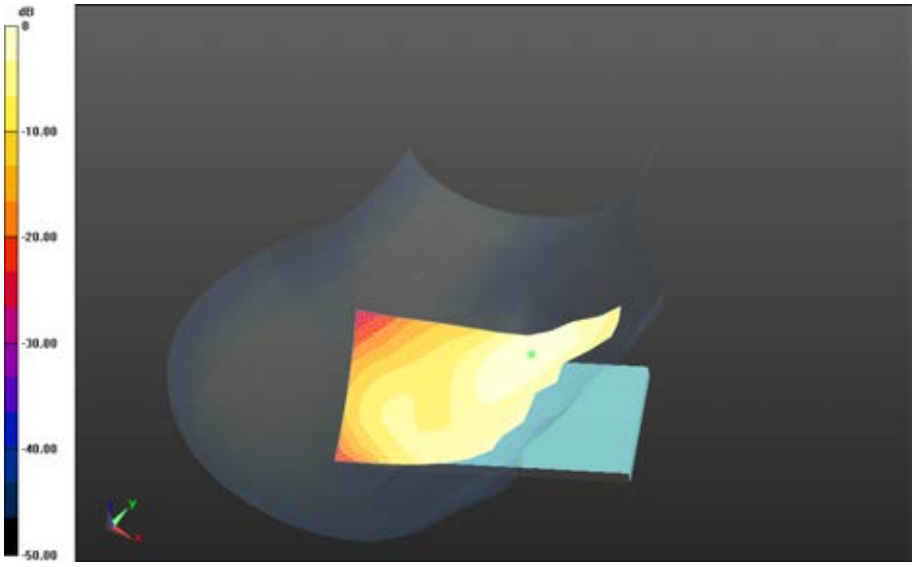
**Averaged SAR: SAR(1g) = 0.166 W/kg; SAR(10g) = 0.108 W/kg**
Maximum value of SAR (interpolated) = 0.226 W/kg




0 dB = 0.178 W/kg = -7.50 dBW/kg

**Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB50_Offset_Low_amb_temp_23.6C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.012 V/m; **Power Drift = 0.063 dB**

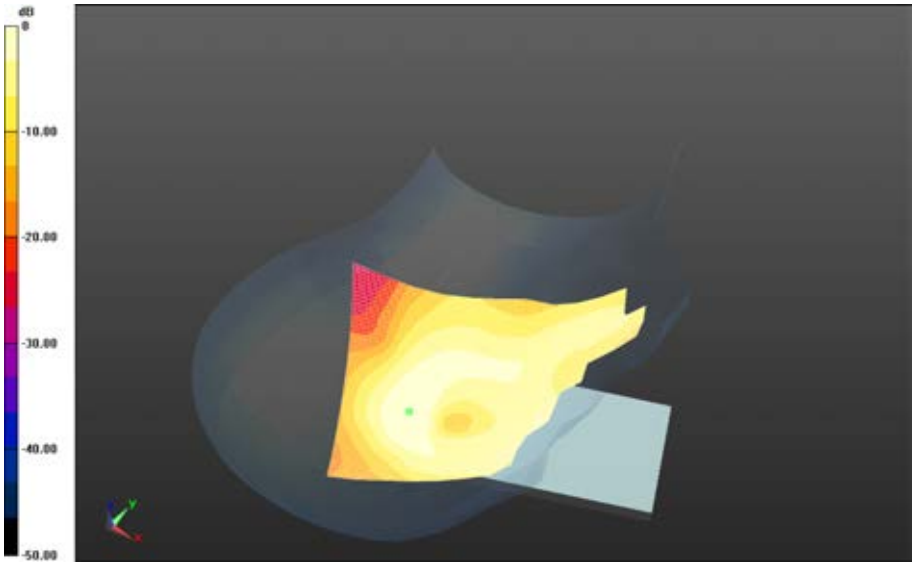
**Fast SAR: SAR(1g) = 0.135 W/kg; SAR(10g) = 0.0788 W/kg**
Maximum value of SAR (interpolated) = 0.150 W/kg




0 dB = 0.178 W/kg = -7.50 dBW/kg

**Right-Hand-Side HSL -LTE band 2/Tilt Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.4C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.368 V/m; **Power Drift = -0.049 dB**

**Fast SAR: SAR(1g) = 0.0503 W/kg; SAR(10g) = 0.0280 W/kg**
Maximum value of SAR (interpolated) = 0.0587 W/kg




0 dB = 0.150 W/kg = -8.24 dBW/kg

Date: 4/25/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Left-Hand-Side HSL - LTE band 2

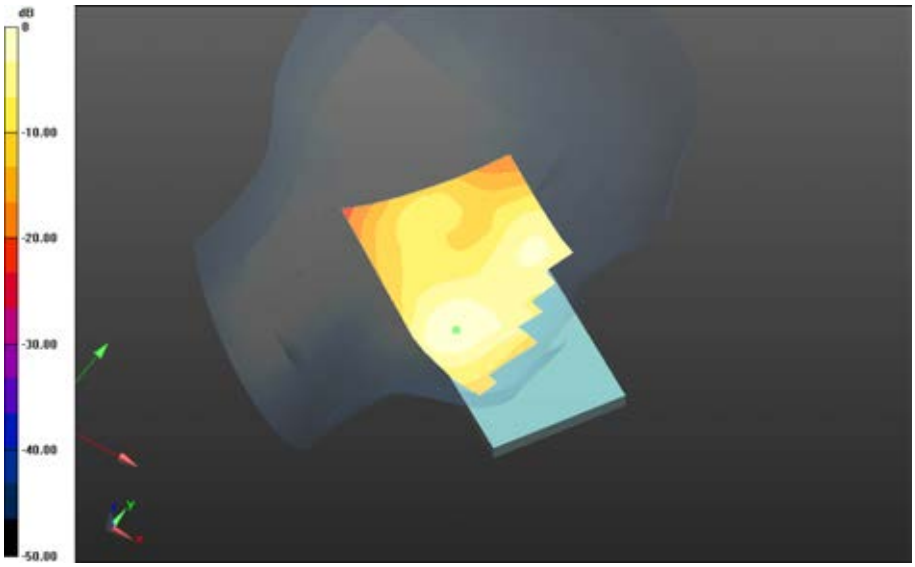
Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz
Medium Parameters used: f=1860 MHz; $\sigma$ = 1.396 S/m; $\varepsilon_r$ = 39.394; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - LTE band 2/Touch Position -LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_23.0C_liq_temp_22.2C 2/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.671 V/m; **Power Drift = 0.185 dB**

**Fast SAR: SAR(1g) = 0.176 W/kg; SAR(10g) = 0.100 W/kg**
Maximum value of SAR (interpolated) = 0.200 W/kg



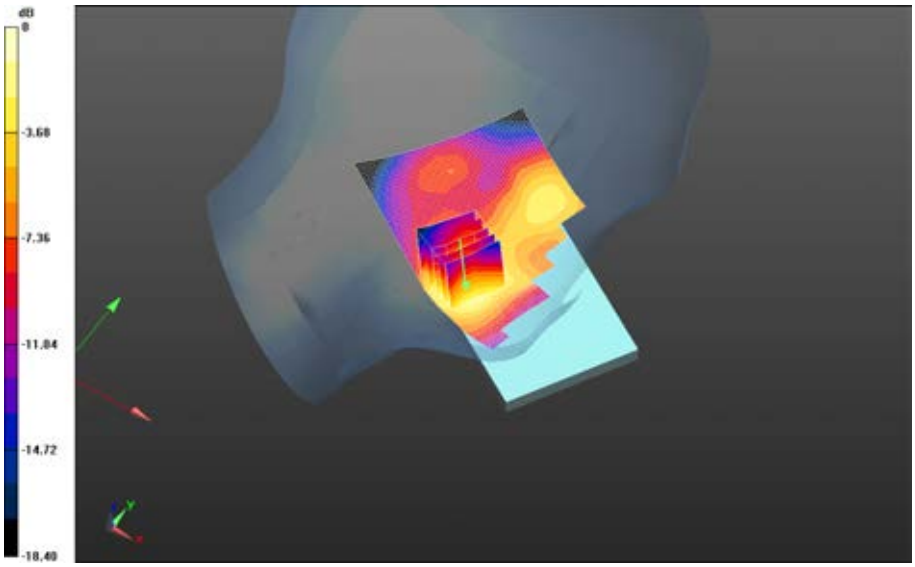

0 dB = 0.200 W/kg = -6.99 dBW/kg

**Left-Hand-Side HSL - LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.0C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.142 V/m; **Power Drift = -0.040 dB**

**Fast SAR: SAR(1g) = 0.201 W/kg; SAR(10g) = 0.114 W/kg**
Maximum value of SAR (interpolated) = 0.227 W/kg

**Left-Hand-Side HSL - LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.0C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.142 V/m; **Power Drift = -0.040 dB**

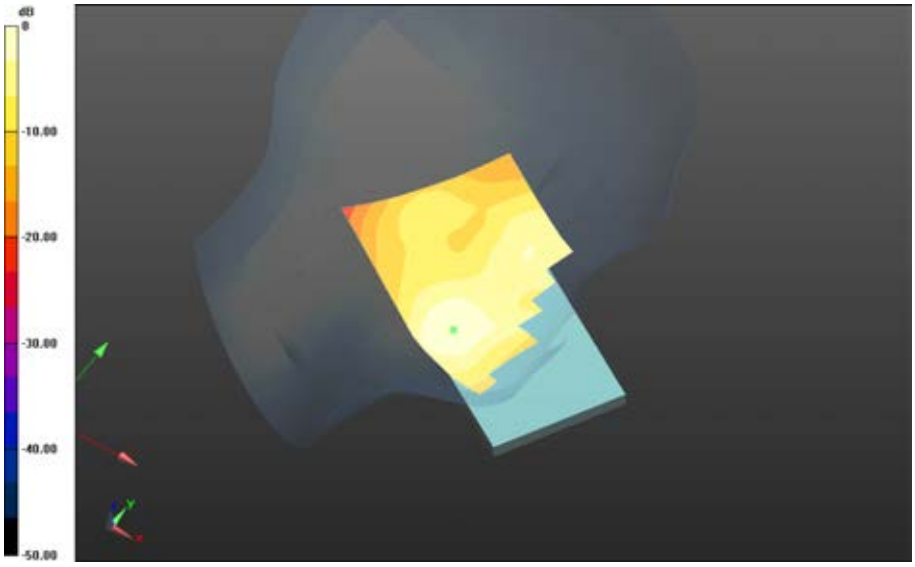
**Averaged SAR: SAR(1g) = 0.195 W/kg; SAR(10g) = 0.125 W/kg**
Maximum value of SAR (interpolated) = 0.263 W/kg




0 dB = 0.200 W/kg = -6.99 dBW/kg

**Left-Hand-Side HSL - LTE band 2/Touch Position -LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.6C_liq_temp_22.3C 3/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.564 V/m; **Power Drift = -0.106 dB**

**Fast SAR: SAR(1g) = 0.156 W/kg; SAR(10g) = 0.0882 W/kg**
Maximum value of SAR (interpolated) = 0.176 W/kg




0 dB = 0.208 W/kg = -6.82 dBW/kg

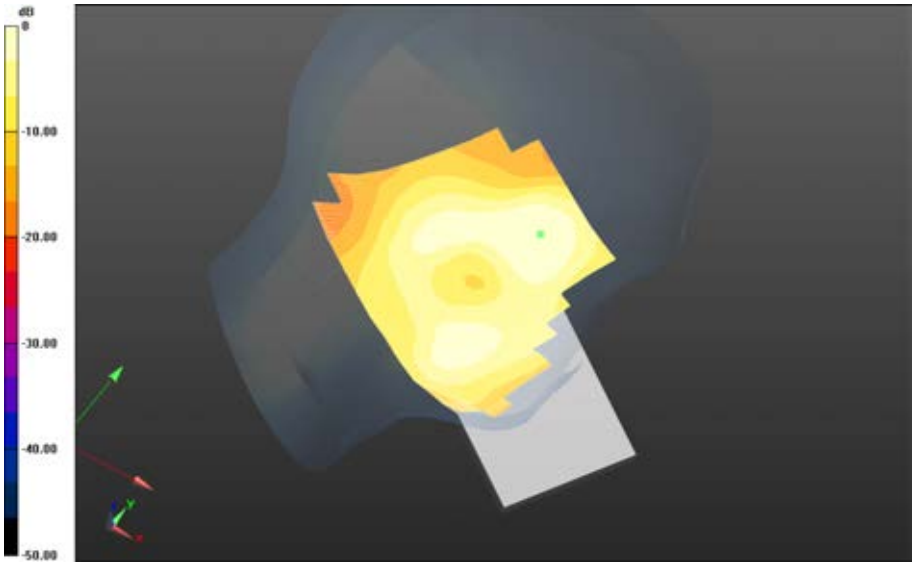
**Left-Hand-Side HSL - LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB50_Offset_Low_amb_temp_23.3C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.544 V/m; **Power Drift = -0.013 dB**

**Fast SAR: SAR(1g) = 0.158 W/kg; SAR(10g) = 0.0891 W/kg**
Maximum value of SAR (interpolated) = 0.179 W/kg


0 dB = 0.176 W/kg = -7.54 dBW/kg

**Left-Hand-Side HSL - LTE band 2/Tilt Position - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.1C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.455 V/m; **Power Drift = 0.039 dB**

**Fast SAR: SAR(1g) = 0.0469 W/kg; SAR(10g) = 0.0280 W/kg**
Maximum value of SAR (interpolated) = 0.0554 W/kg




0 dB = 0.179 W/kg = -7.47 dBW/kg

# DTM 1900

Date: 5/30/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF46F9**

## Configuration: Right-Hand-Side HSL - GSM_DTM 1900

Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; $\sigma$ = 1.394 S/m; $\varepsilon_r$ = 40.408; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

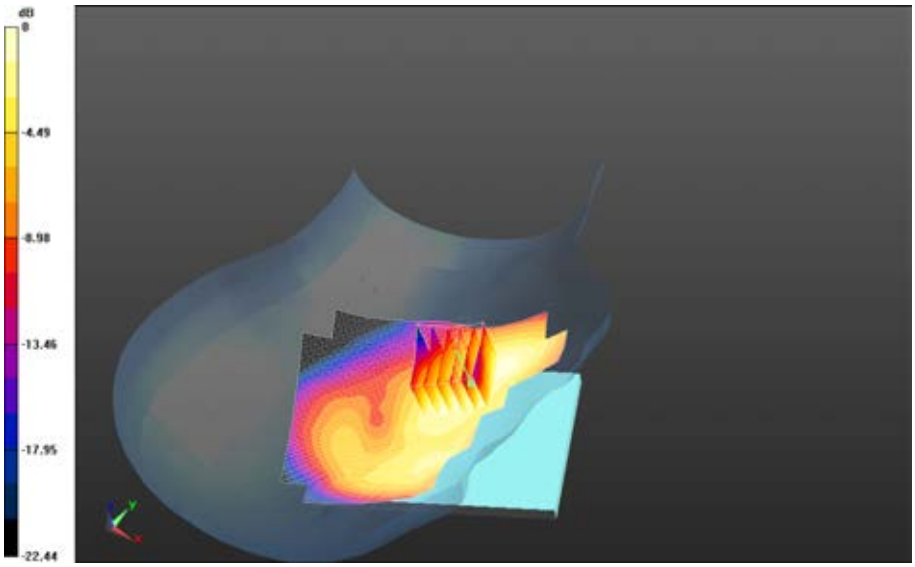
**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - GSM_DTM 1900/Touch Position -GSM 1900_1-slot_chan661_amb_temp_23.1C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.339 V/m; **Power Drift = -0.079 dB**

**Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -GSM 1900_1-slot_chan661_amb_temp_23.1C_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 = 3.339 V/m; **Power Drift = -0.079 dB**

**Averaged SAR: SAR(1g) = 0.0860 W/kg; SAR(10g) = 0.0572 W/kg**
Maximum value of SAR (interpolated) = 0.116 W/kg



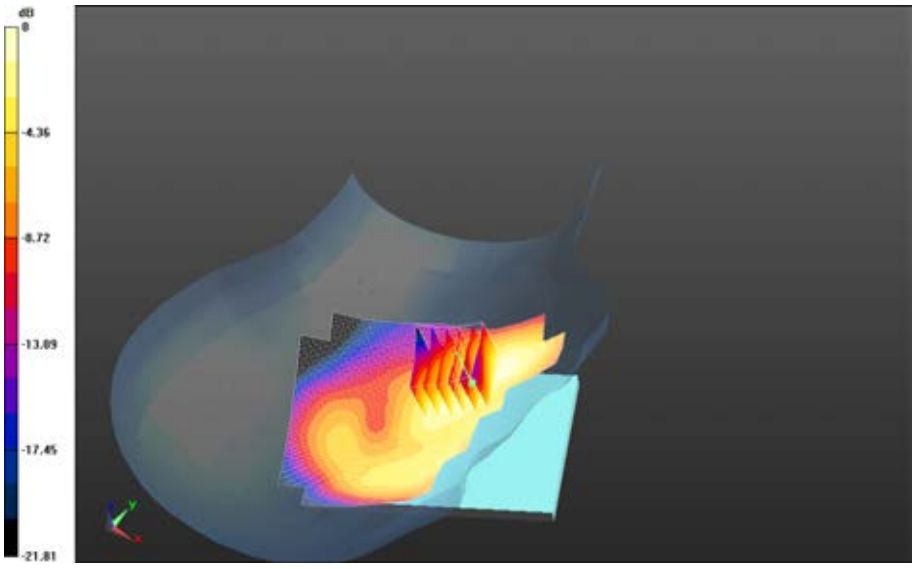

0 dB = 0.0904 W/kg = -10.44 dBW/kg

**Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_22.8C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.679 V/m; **Power Drift = 0.197 dB**

**Fast SAR: SAR(1g) = 0.117 W/kg; SAR(10g) = 0.0668 W/kg**
Maximum value of SAR (interpolated) = 0.130 W/kg

**Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_22.8C_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 = 4.679 V/m; **Power Drift = 0.197 dB**

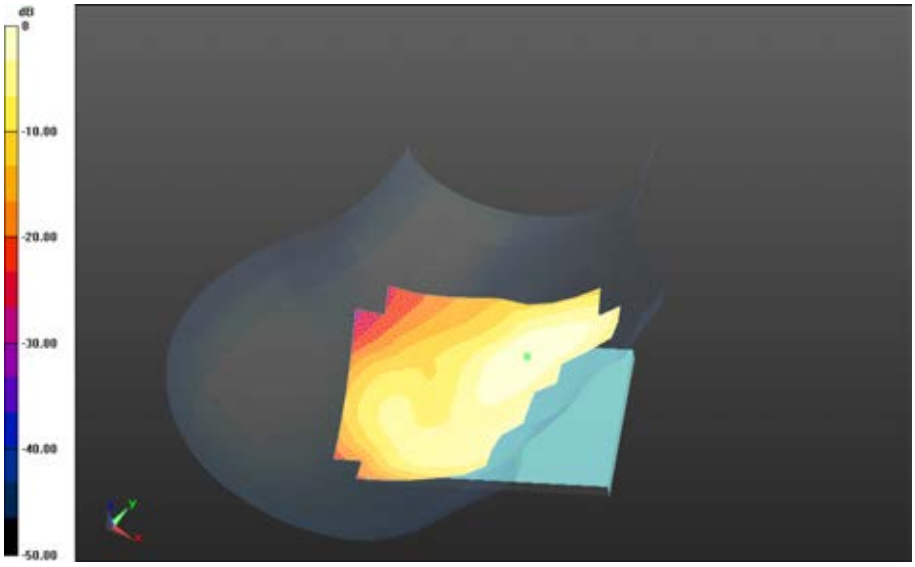
**Averaged SAR: SAR(1g) = 0.113 W/kg; SAR(10g) = 0.0735 W/kg**
Maximum value of SAR (interpolated) = 0.154 W/kg




0 dB = 0.0904 W/kg = -10.44 dBW/kg

**Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_3-slots_chan661_amb_temp_23.4C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.089 V/m; **Power Drift = -0.114 dB**

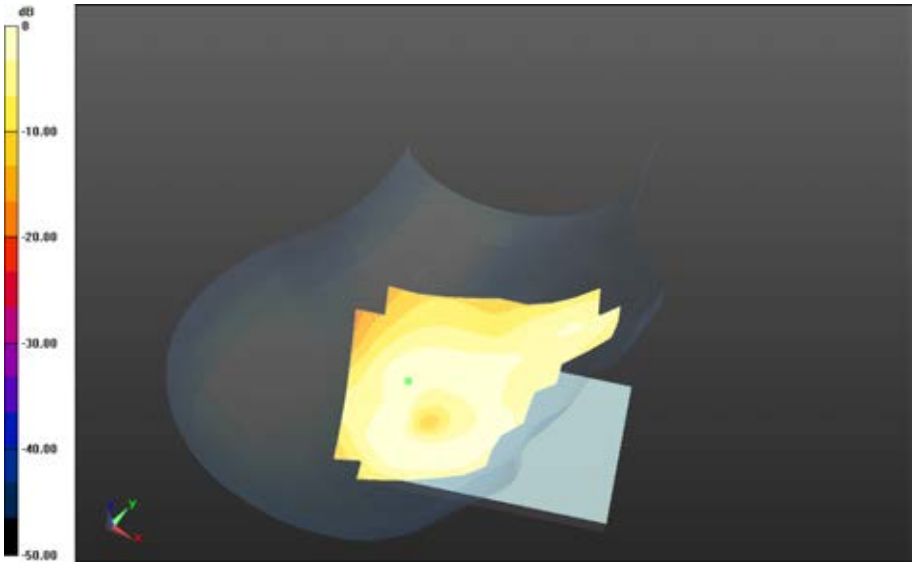
**Fast SAR: SAR(1g) = 0.0884 W/kg; SAR(10g) = 0.0505 W/kg**
Maximum value of SAR (interpolated) = 0.0986 W/kg




0 dB = 0.122 W/kg = -9.14 dBW/kg

**Right-Hand-Side HSL - GSM_DTM 1900/Tilt Position -DTM 1900_2-slots_chan661_amb_temp_22.9C_liq_temp_22.0C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.479 V/m; **Power Drift = -0.176 dB**

**Fast SAR: SAR(1g) = 0.0330 W/kg; SAR(10g) = 0.0177 W/kg**
Maximum value of SAR (interpolated) = 0.0379 W/kg




0 dB = 0.0986 W/kg = -10.06 dBW/kg

Date: 5/30/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF46F9**

## Configuration: Left-Hand-Side HSL - GSM_DTM 1900

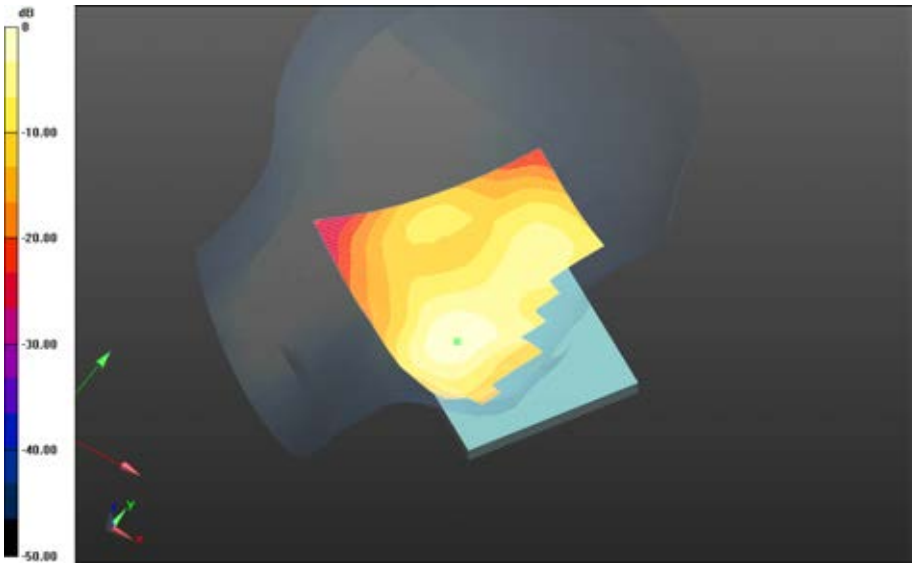
Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; $\sigma$ = 1.394 S/m; $\varepsilon_r$ = 40.408; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 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 - GSM_DTM 1900/Touch Position -GSM 1900_1-slot_chan661_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.958 V/m; **Power Drift = 0.157 dB**

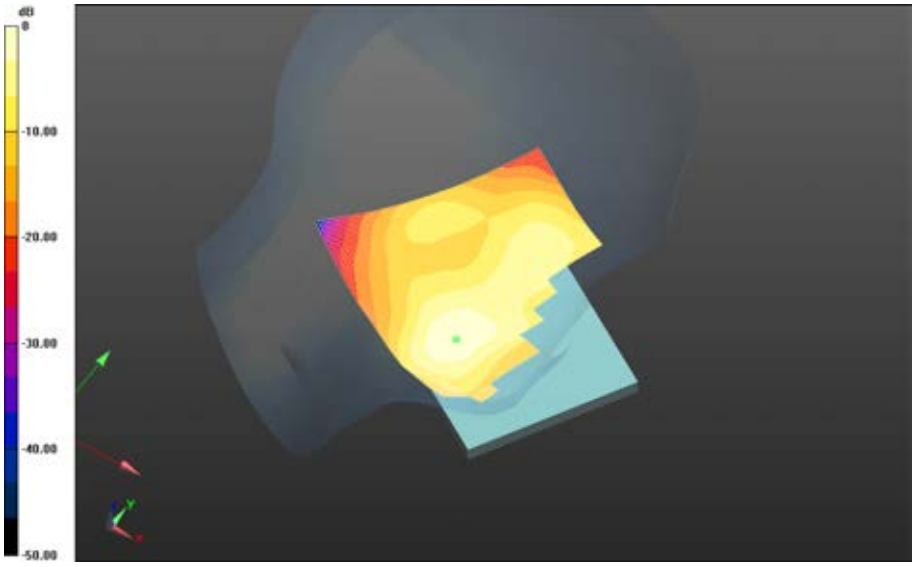
**Fast SAR: SAR(1g) = 0.128 W/kg; SAR(10g) = 0.0736 W/kg**
Maximum value of SAR (interpolated) = 0.154 W/kg




0 dB = 0.154 W/kg = -8.12 dBW/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan512_amb_temp_22.8C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.944 V/m; **Power Drift = 0.023 dB**

**Fast SAR: SAR(1g) = 0.172 W/kg; SAR(10g) = 0.0994 W/kg**
Maximum value of SAR (interpolated) = 0.205 W/kg



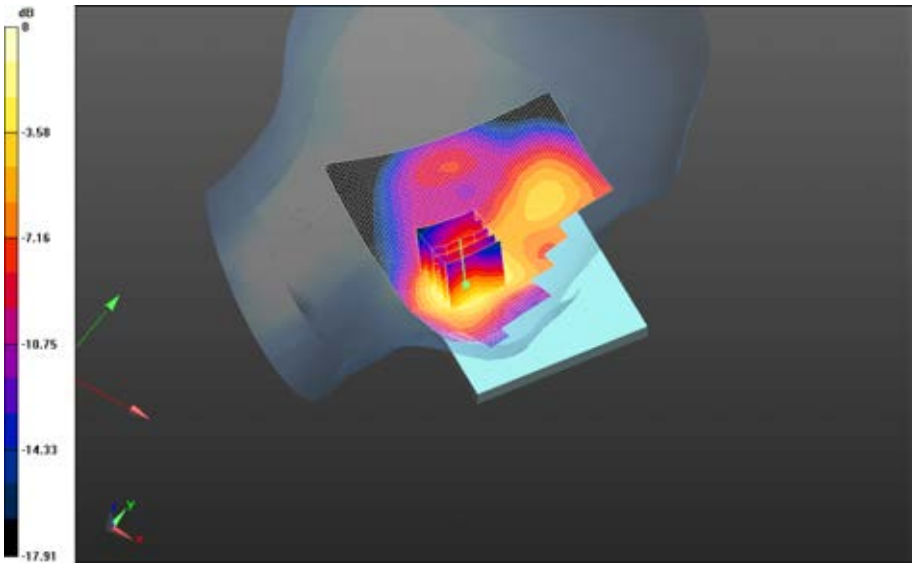

0 dB = 0.154 W/kg = -8.12 dBW/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_23.0C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.712 V/m; **Power Drift = -0.012 dB**

**Fast SAR: SAR(1g) = 0.174 W/kg; SAR(10g) = 0.101 W/kg**
Maximum value of SAR (interpolated) = 0.211 W/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_23.0C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.712 V/m; **Power Drift = -0.012 dB**

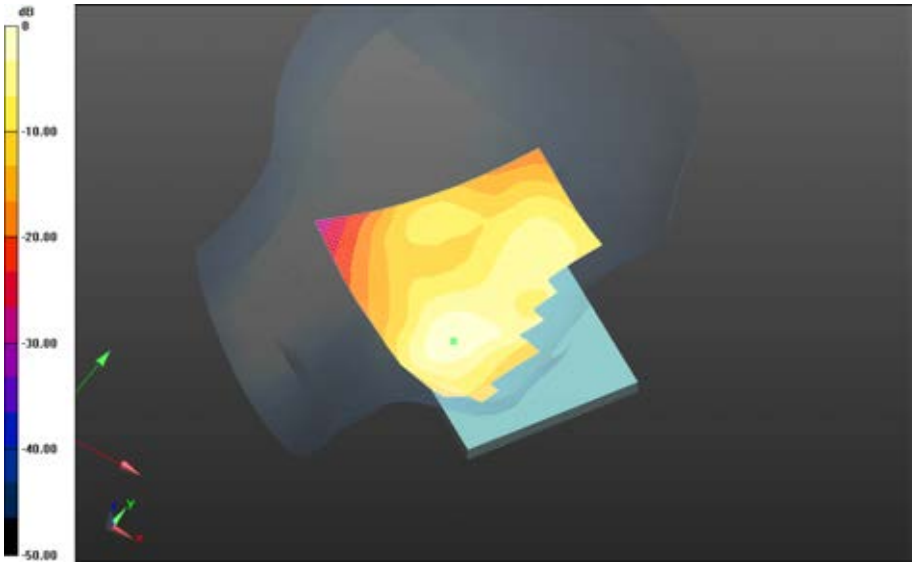
**Averaged SAR: SAR(1g) = 0.182 W/kg; SAR(10g) = 0.115 W/kg**
Maximum value of SAR (interpolated) = 0.254 W/kg




0 dB = 0.205 W/kg = -6.88 dBW/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan810_amb_temp_22.8C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.669 V/m; **Power Drift = -0.064 dB**

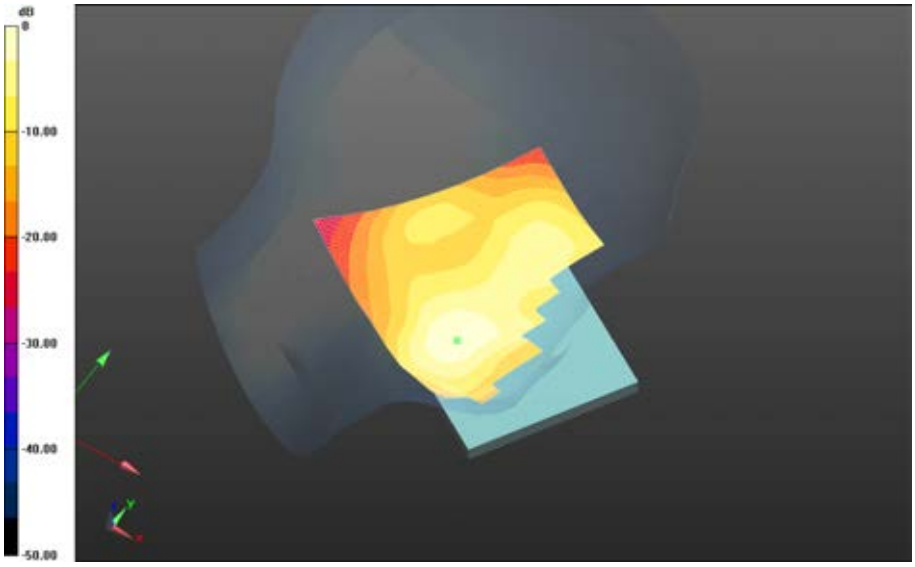
**Fast SAR: SAR(1g) = 0.140 W/kg; SAR(10g) = 0.0798 W/kg**
Maximum value of SAR (interpolated) = 0.169 W/kg




0 dB = 0.195 W/kg = -7.10 dBW/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_3-slots_chan661_amb_temp_23.3C_liq_temp_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.024 V/m; **Power Drift = 0.047 dB**

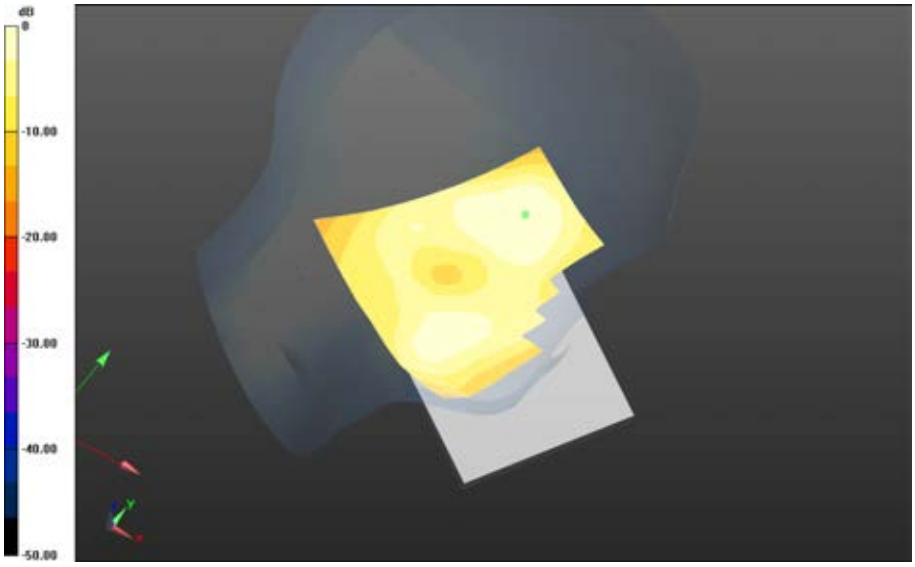
**Fast SAR: SAR(1g) = 0.130 W/kg; SAR(10g) = 0.0752 W/kg**
Maximum value of SAR (interpolated) = 0.158 W/kg




0 dB = 0.169 W/kg = -7.72 dBW/kg

**Left-Hand-Side HSL - GSM_DTM 1900/Tilt Position - DTM 1900_2-slot_chan661_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 3.980 V/m; **Power Drift = -0.137 dB**

**Fast SAR: SAR(1g) = 0.0413 W/kg; SAR(10g) = 0.0250 W/kg**
Maximum value of SAR (interpolated) = 0.0467 W/kg




0 dB = 0.158 W/kg = -8.01 dBW/kg

# UMTS Band II

Date: 4/25/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

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

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;
Frequency: 1852.4 MHz
Medium Parameters used: f=1852.4 MHz; $\sigma$ = 1.387 S/m; $\varepsilon_r$ = 39.415; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

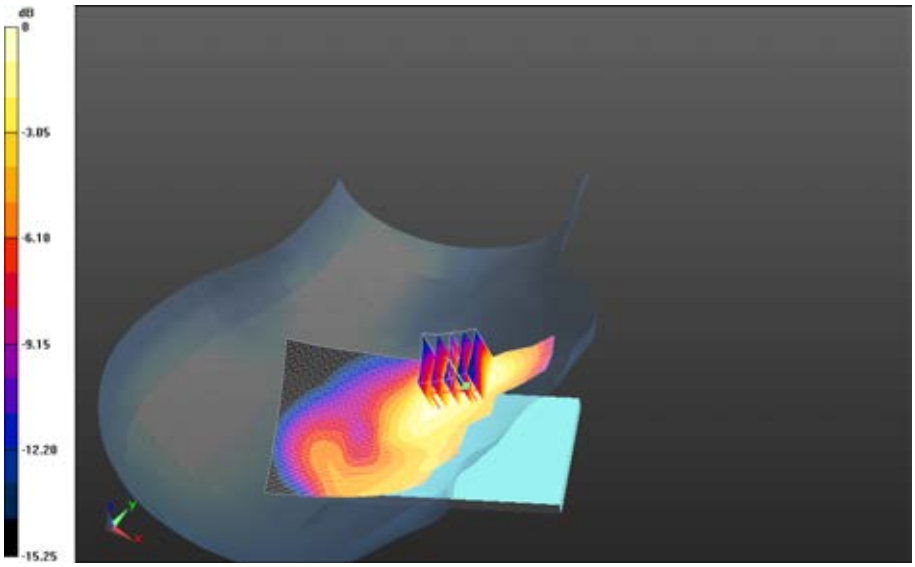
- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.137 V/m; **Power Drift = -0.032 dB**

**Fast SAR: SAR(1g) = 0.154 W/kg; SAR(10g) = 0.0904 W/kg**
Maximum value of SAR (interpolated) = 0.171 W/kg

**Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.137 V/m; **Power Drift = -0.032 dB**

**Averaged SAR: SAR(1g) = 0.150 W/kg; SAR(10g) = 0.0957 W/kg**
Maximum value of SAR (interpolated) = 0.215 W/kg




0 dB = 0.191 W/kg = -7.19 dBW/kg

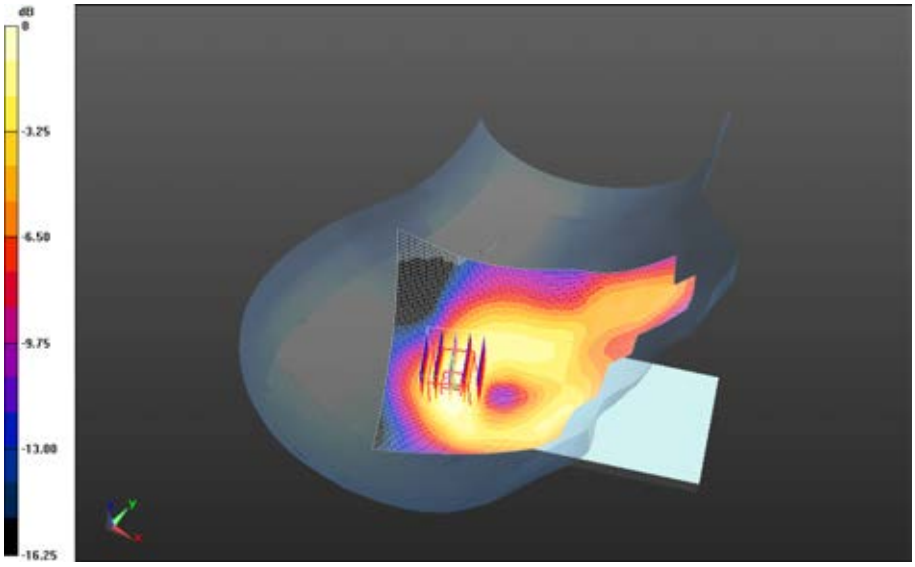
**Right-Hand-Side HSL - UMTS II/Tilt Position -UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 5.994 V/m; **Power Drift = 0.011 dB**

**Fast SAR: SAR(1g) = 0.0461 W/kg; SAR(10g) = 0.0261 W/kg**
Maximum value of SAR (interpolated) = 0.0529 W/kg

**Right-Hand-Side HSL - UMTS II/Tilt Position -UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.994 V/m; **Power Drift = 0.011 dB**

**Averaged SAR: SAR(1g) = 0.0463 W/kg; SAR(10g) = 0.0271 W/kg**
Maximum value of SAR (interpolated) = 0.0708 W/kg




0 dB = 0.0433 W/kg = -13.64 dBW/kg

Date: 4/25/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

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

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz
Medium Parameters used: f=1852.4 MHz; $\sigma$ = 1.387 S/m; $\varepsilon_r$ = 39.415; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

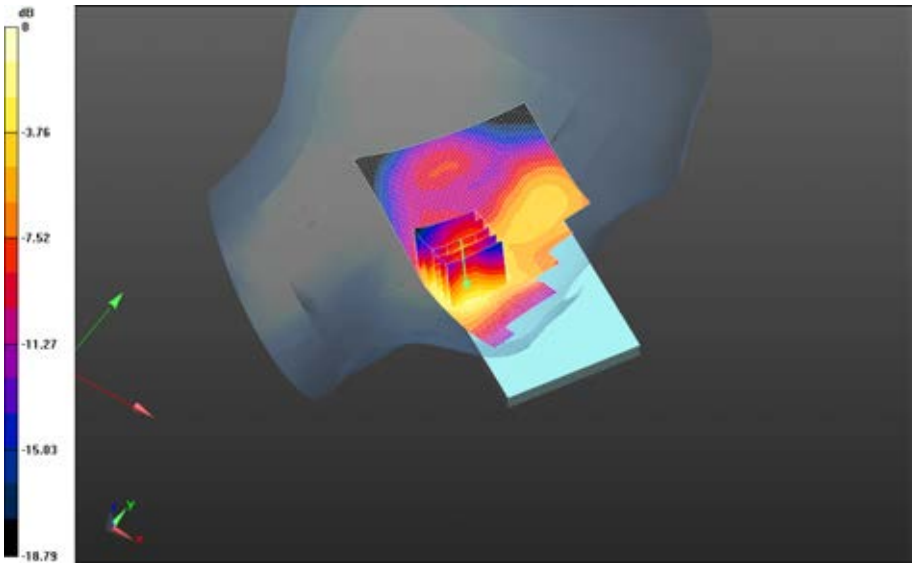
- Probe: ET3DV6 - SN1643; ConvF: (5.17,5.17,5.17); Calibrated: 3/10/2014;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9262_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.242 V/m; **Power Drift = -0.134 dB**

**Fast SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.147 W/kg**
Maximum value of SAR (interpolated) = 0.292 W/kg

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9262_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.242 V/m; **Power Drift = -0.134 dB**

**Averaged SAR: SAR(1g) = 0.263 W/kg; SAR(10g) = 0.169 W/kg**
Maximum value of SAR (interpolated) = 0.351 W/kg



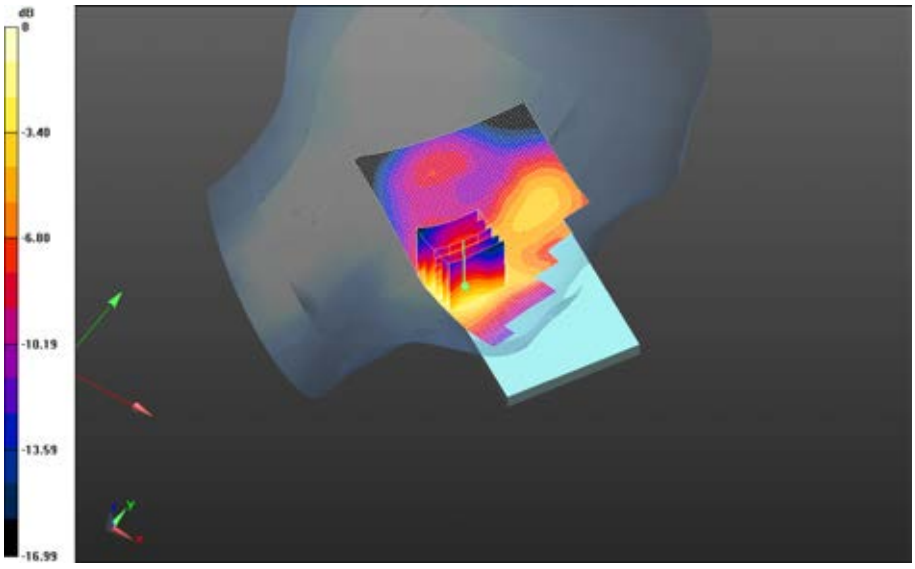

0 dB = 0.296 W/kg = -5.29 dBW/kg

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.181 V/m; **Power Drift = -0.041 dB**

**Fast SAR: SAR(1g) = 0.238 W/kg; SAR(10g) = 0.134 W/kg**
Maximum value of SAR (interpolated) = 0.267 W/kg

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.181 V/m; **Power Drift = -0.041 dB**

**Averaged SAR: SAR(1g) = 0.239 W/kg; SAR(10g) = 0.155 W/kg**
Maximum value of SAR (interpolated) = 0.322 W/kg



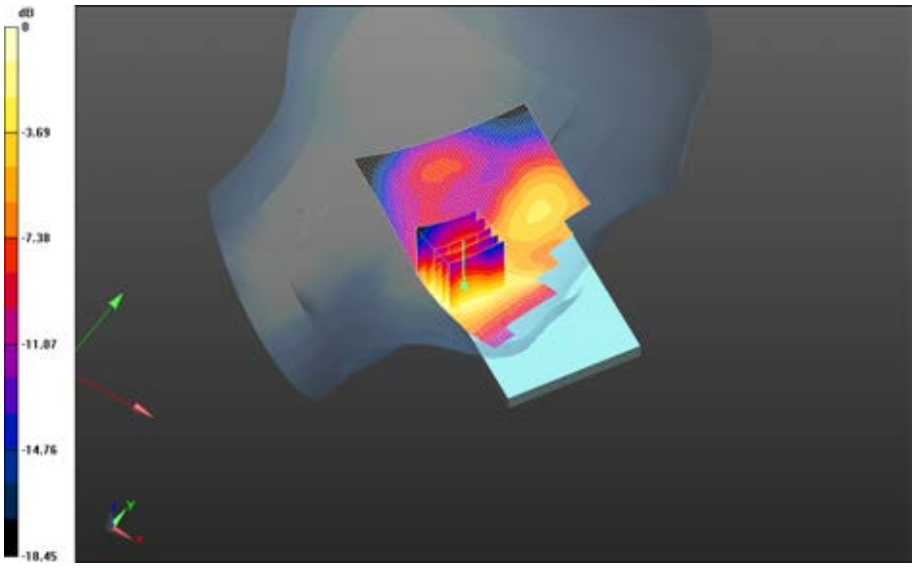

0 dB = 0.296 W/kg = -5.29 dBW/kg

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9538_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.625 V/m; **Power Drift = -0.080 dB**

**Fast SAR: SAR(1g) = 0.194 W/kg; SAR(10g) = 0.109 W/kg**
Maximum value of SAR (interpolated) = 0.217 W/kg

**Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9538_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.625 V/m; **Power Drift = -0.080 dB**

**Averaged SAR: SAR(1g) = 0.195 W/kg; SAR(10g) = 0.125 W/kg**
Maximum value of SAR (interpolated) = 0.263 W/kg



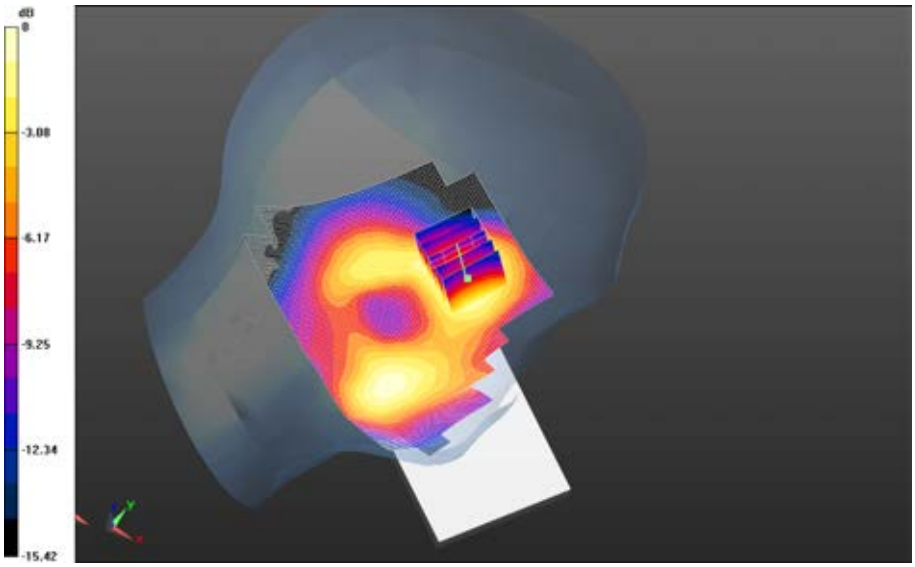

0 dB = 0.254 W/kg = -5.95 dBW/kg

**Left-Hand-Side HSL - UMTS II/Tilt Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.597 V/m; **Power Drift = 0.075 dB**

**Fast SAR: SAR(1g) = 0.0577 W/kg; SAR(10g) = 0.0340 W/kg**
Maximum value of SAR (interpolated) = 0.0654 W/kg

**Left-Hand-Side HSL - UMTS II/Tilt Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.597 V/m; **Power Drift = 0.075 dB**

**Averaged SAR: SAR(1g) = 0.0599 W/kg; SAR(10g) = 0.0382 W/kg**
Maximum value of SAR (interpolated) = 0.0821 W/kg




0 dB = 0.0610 W/kg = -12.15 dBW/kg

# 802.11b

Date: 5/16/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial:**

## Configuration: Right-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;
Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; $\sigma$ = 1.841 S/m; $\varepsilon_r$ = 37.783; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

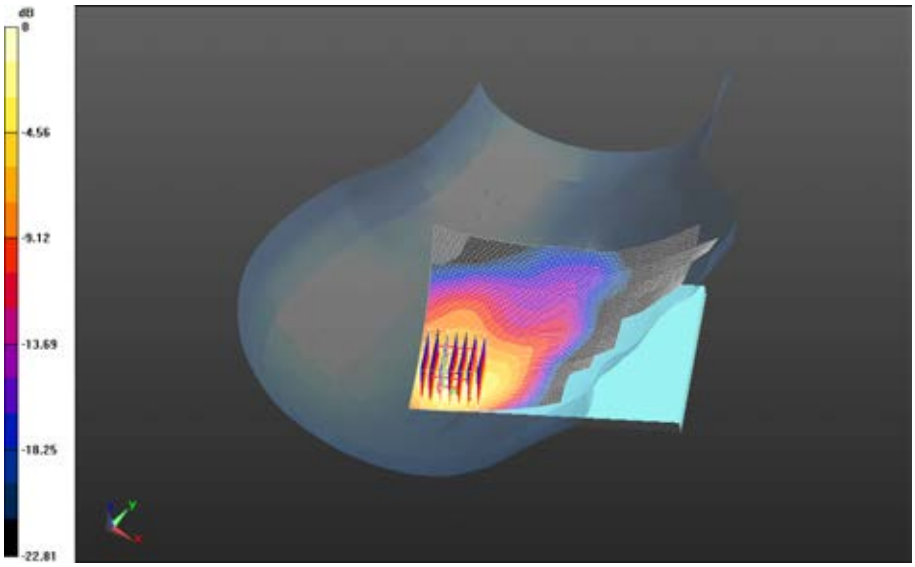
**DASY Configuration:**

- 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 2; Type: SAM 4.0; Serial: 1080
- 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_24.5C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.293 W/kg

**Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_24.5C_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 = 6.502 V/m; **Power Drift = 0.014 dB**

**Averaged SAR: SAR(1g) = 0.244 W/kg; SAR(10g) = 0.115 W/kg**
Maximum value of SAR (interpolated) = 0.533 W/kg

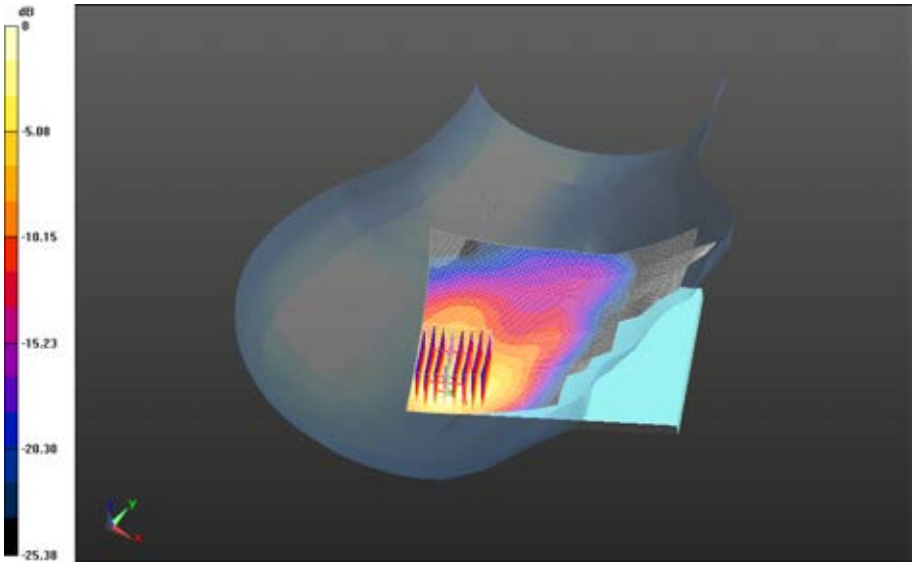



0 dB = 0.317 W/kg = -4.99 dBW/kg

**Right-Hand-Side HSL - 802.11b/Touch Position - 802.11g_chan6_amb_temp_23.5C_liq_temp_21.9C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.297 W/kg

**Right-Hand-Side HSL - 802.11b/Touch Position - 802.11g_chan6_amb_temp_23.5C_liq_temp_21.9C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.042 V/m; **Power Drift = 0.174 dB**

**Averaged SAR: SAR(1g) = 0.239 W/kg; SAR(10g) = 0.110 W/kg**
Maximum value of SAR (interpolated) = 0.527 W/kg

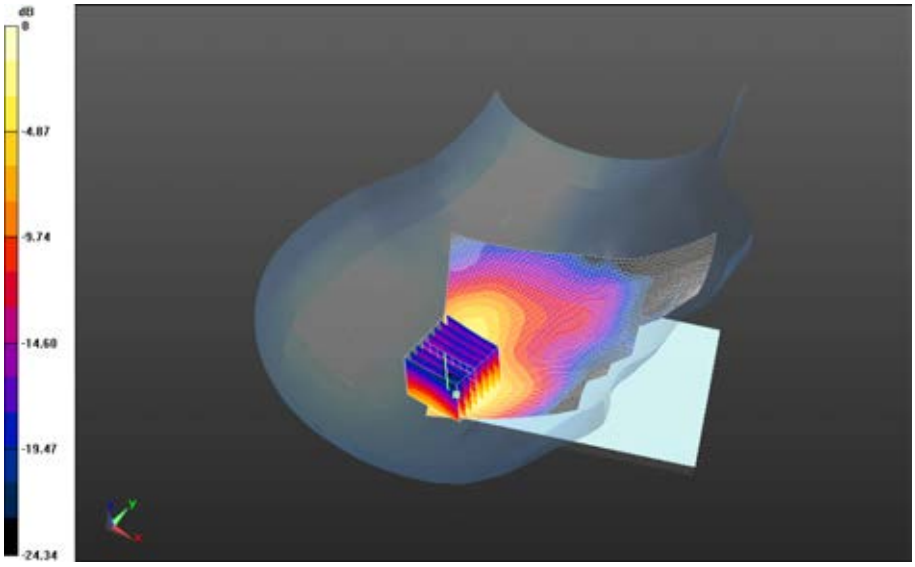



0 dB = 0.317 W/kg = -4.99 dBW/kg

**Right-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.8C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.257 W/kg

**Right-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.8C_liq_temp_22.0C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 8.335 V/m; **Power Drift = 0.015 dB**

**Averaged SAR: SAR(1g) = 0.203 W/kg; SAR(10g) = 0.103 W/kg**
Maximum value of SAR (interpolated) = 0.438 W/kg




0 dB = 0.313 W/kg = -5.04 dBW/kg

Date: 5/21/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Left-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;
Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; $\sigma$ = 1.841 S/m; $\varepsilon_r$ = 37.783; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

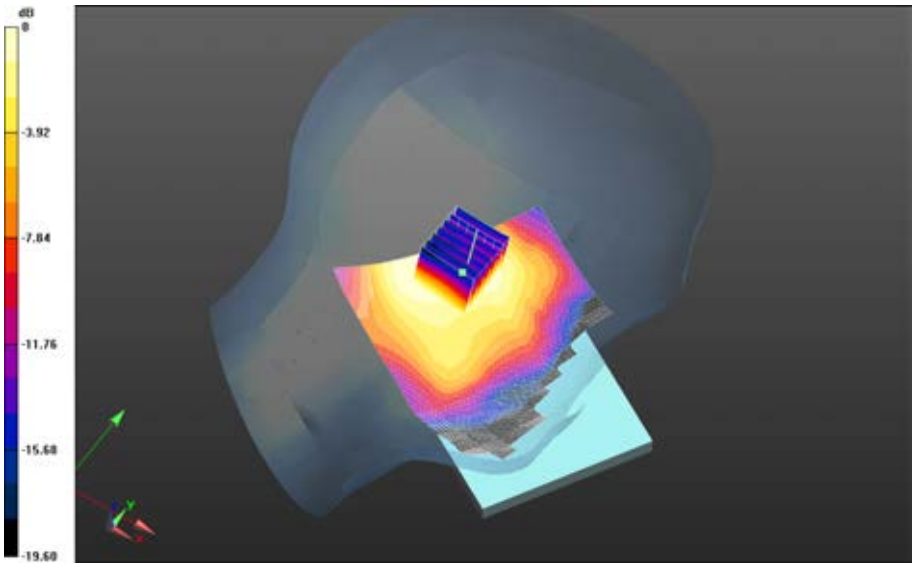
**DASY Configuration:**

- 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 2; Type: SAM 4.0; Serial: 1080
- 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_24.4C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.110 W/kg

**Left-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_24.4C_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 = 7.940 V/m; **Power Drift = 0.160 dB**

**Averaged SAR: SAR(1g) = 0.0916 W/kg; SAR(10g) = 0.0510 W/kg**
Maximum value of SAR (interpolated) = 0.173 W/kg

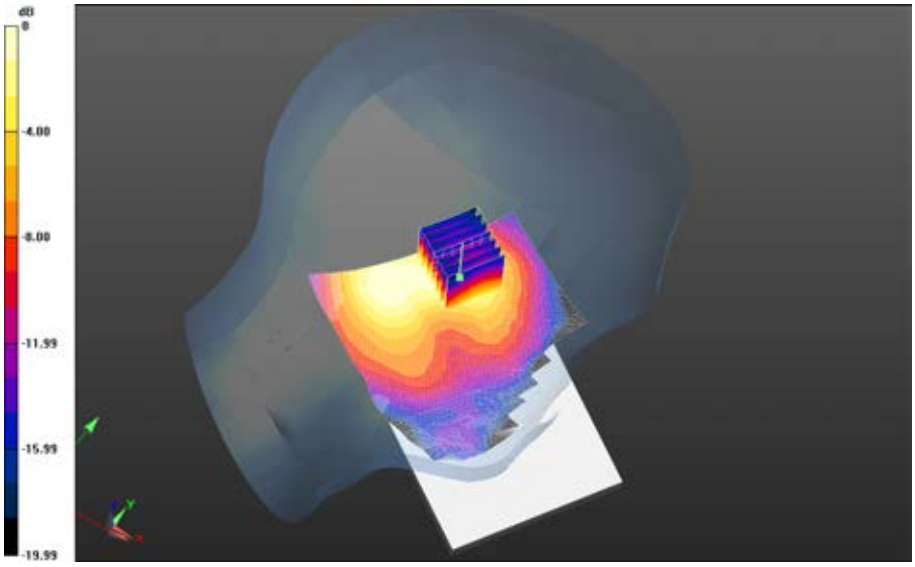



0 dB = 0.114 W/kg = -9.43 dBW/kg

**Left-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.4C_liq_temp_21.9C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.122 W/kg

**Left-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.4C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 7.427 V/m; **Power Drift = 0.280 dB**

**Averaged SAR: SAR(1g) = 0.0990 W/kg; SAR(10g) = 0.0517 W/kg**
Maximum value of SAR (interpolated) = 0.188 W/kg




0 dB = 0.114 W/kg = -9.43 dBW/kg

# Bluetooth

Date: 5/16/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 1.844 S/m; $\varepsilon_r$ = 37.763; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

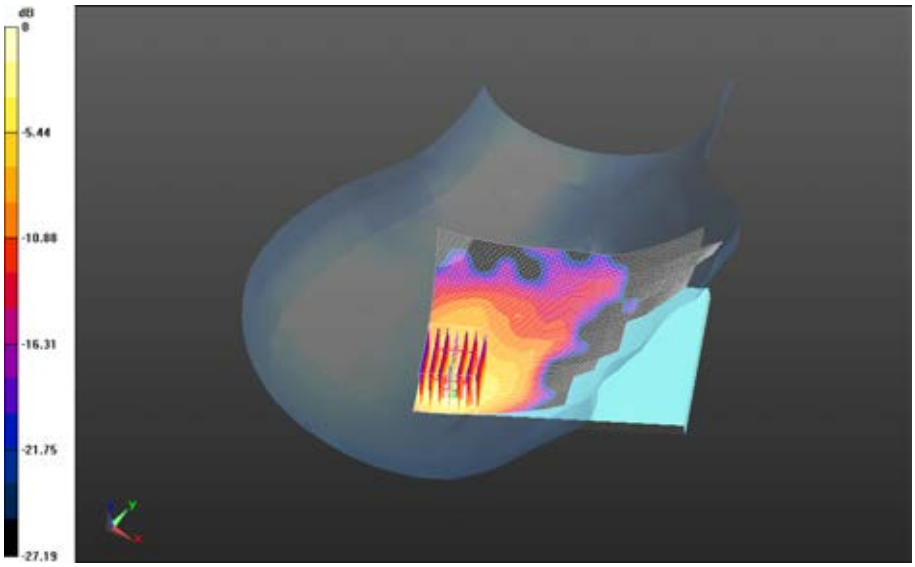
**DASY Configuration:**

- 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 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_24.5C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0402 W/kg

**Right-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_24.5C_liq_temp_22.0C/Zoom Scan (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.514 V/m; **Power Drift = 0.191 dB**

**Averaged SAR: SAR(1g) = 0.0331 W/kg; SAR(10g) = 0.0155 W/kg**
Maximum value of SAR (interpolated) = 0.0721 W/kg




0 dB = 0.0430 W/kg = -13.67 dBW/kg

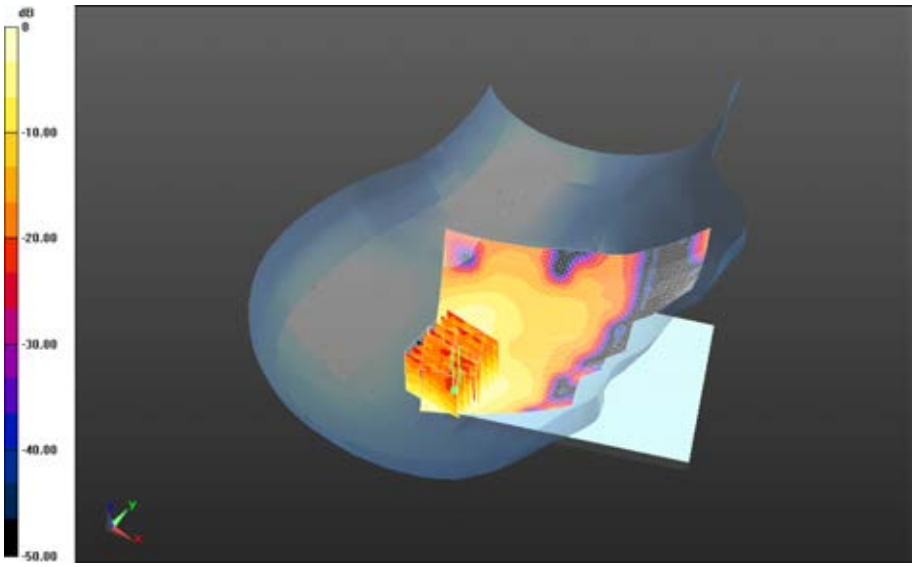
**Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_24.1C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0383 W/kg

**Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_24.1C_liq_temp_22.0C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.227 V/m; **Power Drift = 0.194 dB**

**Averaged SAR: SAR(1g) = 0.0298 W/kg; SAR(10g) = 0.0148 W/kg**
Maximum value of SAR (interpolated) = 0.0649 W/kg

**Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_24.1C_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 = 3.227 V/m; **Power Drift = 0.177 dB**

**Averaged SAR: SAR(1g) = 0.0310 W/kg; SAR(10g) = 0.0152 W/kg**
Maximum value of SAR (interpolated) = 0.0671 W/kg




0 dB = 0.0430 W/kg = -13.67 dBW/kg

Date: 5/21/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 1.844 S/m; $\varepsilon_r$ = 37.763; $\rho$ = 1.000 g/cm$^3$
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 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

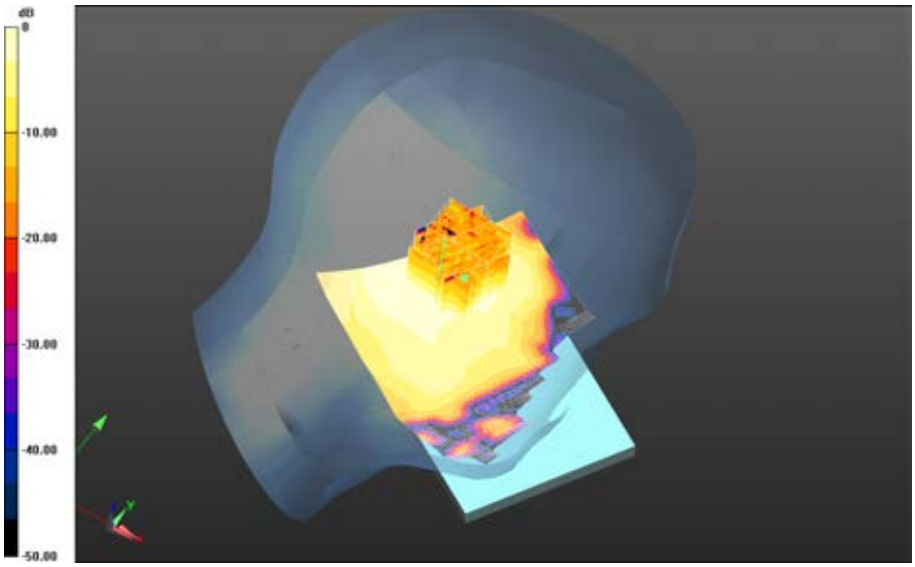
**Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_24.5C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0170 W/kg

**Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_24.5C_liq_temp_22.0C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.121 V/m; **Power Drift = 0.017 dB**

**Averaged SAR: SAR(1g) = 0.0142 W/kg; SAR(10g) = 0.00754 W/kg**
Maximum value of SAR (interpolated) = 0.0277 W/kg

**Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_24.5C_liq_temp_22.0C/Zoom Scan 2 (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.121 V/m; **Power Drift = 0.039 dB**

**Averaged SAR: SAR(1g) = 0.0141 W/kg; SAR(10g) = 0.00748 W/kg**
Maximum value of SAR (interpolated) = 0.0269 W/kg

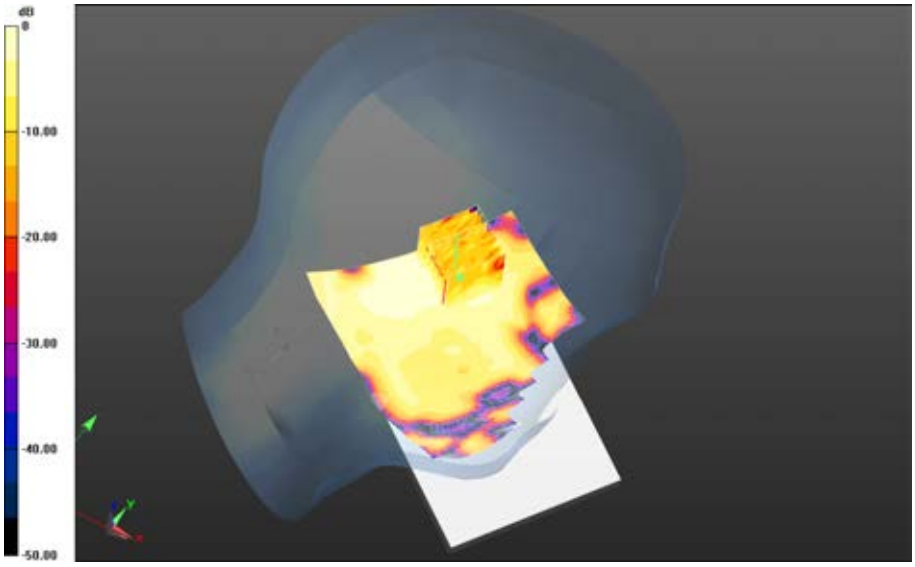



0 dB = 0.0174 W/kg = -17.59 dBW/kg

**Left-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_23.1C_liq_temp_22.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00485 W/kg

**Left-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_23.1C_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 = 1.418 V/m; **Power Drift = 0.183 dB**

**Averaged SAR: SAR(1g) = 0.00348 W/kg; SAR(10g) = 0.00181 W/kg**
Maximum value of SAR (interpolated) = 0.00755 W/kg




0 dB = 0.0174 W/kg = -17.59 dBW/kg

# LTE Band 7

Date: 5/23/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Right-Hand-Side HSL - LTE 7

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.902 S/m; $\varepsilon_r$ = 37.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

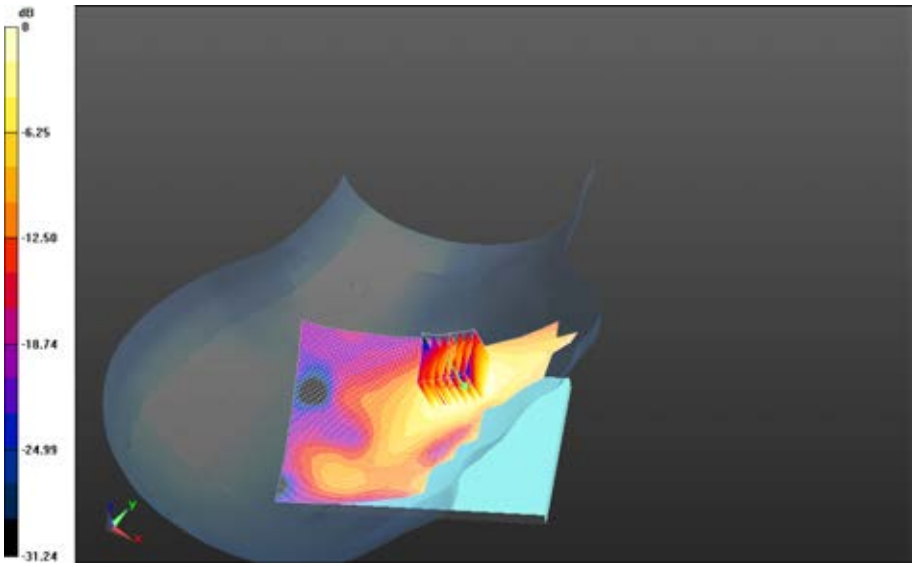
**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.33,4.33,4.33); 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 - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.313 V/m; **Power Drift = 0.515 dB**

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_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 = 1.313 V/m; **Power Drift = 0.515 dB**

**Averaged SAR: SAR(1g) = 0.132 W/kg; SAR(10g) = 0.0732 W/kg**
Maximum value of SAR (interpolated) = 0.215 W/kg

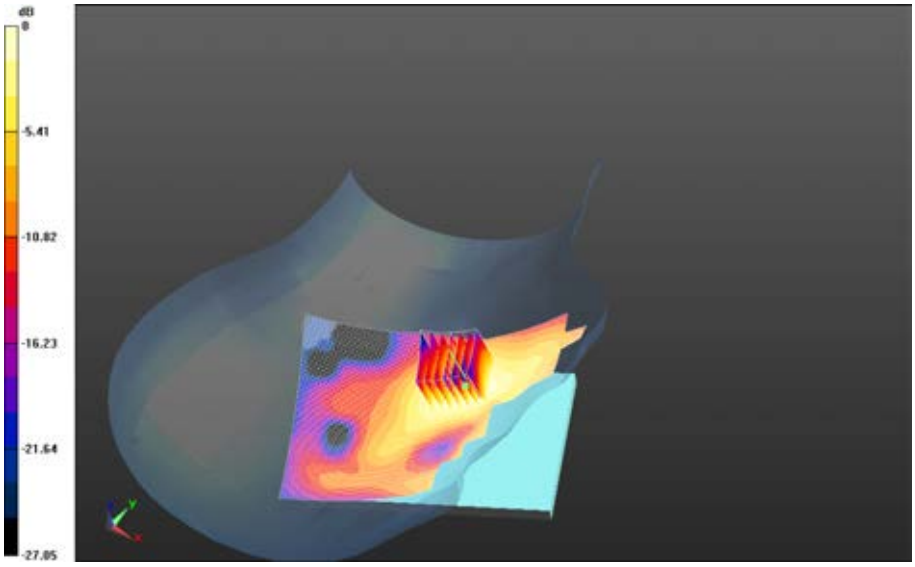



0 dB = 0.157 W/kg = -8.04 dBW/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.897 V/m; **Power Drift = 0.287 dB**

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_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 = 1.897 V/m; **Power Drift = 0.287 dB**

**Averaged SAR: SAR(1g) = 0.118 W/kg; SAR(10g) = 0.0681 W/kg**
Maximum value of SAR (interpolated) = 0.185 W/kg

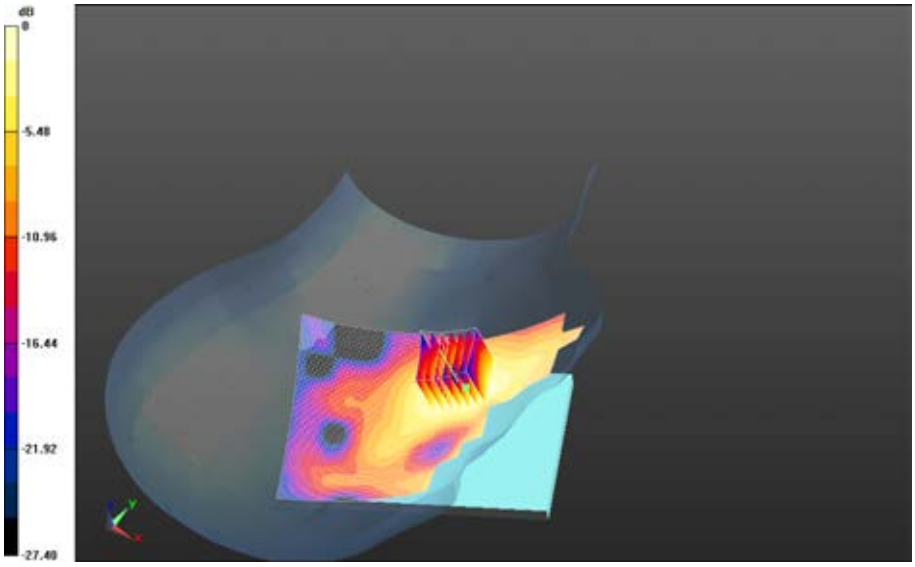



0 dB = 0.157 W/kg = -8.04 dBW/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.460 V/m; **Power Drift = 0.255 dB**

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_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 = 1.460 V/m; **Power Drift = 0.255 dB**

**Averaged SAR: SAR(1g) = 0.114 W/kg; SAR(10g) = 0.0661 W/kg**
Maximum value of SAR (interpolated) = 0.182 W/kg

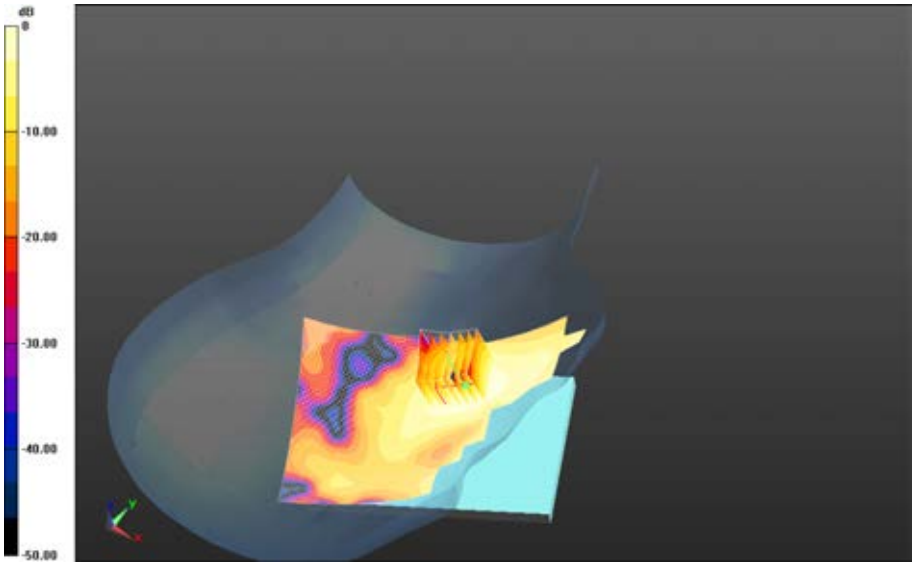



0 dB = 0.139 W/kg = -8.57 dBW/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_High_amb_temp_24.4C_liq_temp_22.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.279 V/m; **Power Drift = -0.059 dB**

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_High_amb_temp_24.4C_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 = 1.279 V/m; **Power Drift = -0.059 dB**

**Averaged SAR: SAR(1g) = 0.0634 W/kg; SAR(10g) = 0.0356 W/kg**
Maximum value of SAR (interpolated) = 0.103 W/kg




0 dB = 0.136 W/kg = -8.66 dBW/kg

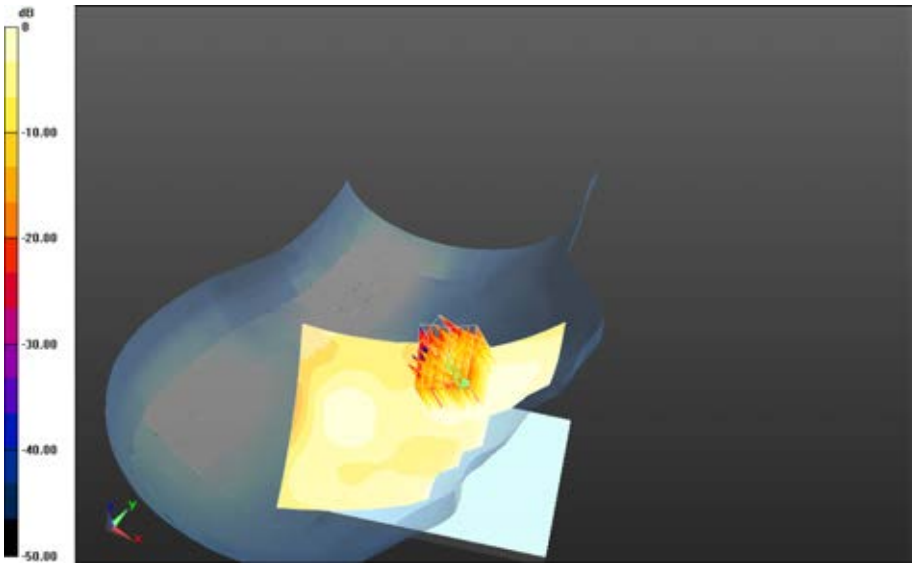
**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.6C_liq_temp_22.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.813 V/m; **Power Drift = 0.129 dB**

**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.6C_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 = 2.813 V/m; **Power Drift = 0.129 dB**

**Averaged SAR: SAR(1g) = 0.0242 W/kg; SAR(10g) = 0.0140 W/kg**
Maximum value of SAR (interpolated) = 0.0390 W/kg

**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.6C_liq_temp_22.2C/Zoom Scan 2 (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.813 V/m; **Power Drift = 0.042 dB**

**Averaged SAR: SAR(1g) = 0.0233 W/kg; SAR(10g) = 0.0135 W/kg**
Maximum value of SAR (interpolated) = 0.0373 W/kg




0 dB = 0.0758 W/kg = -11.20 dBW/kg

Date: 5/23/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Left-Hand-Side HSL - LTE 7

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.902 S/m; $\varepsilon_r$ = 37.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

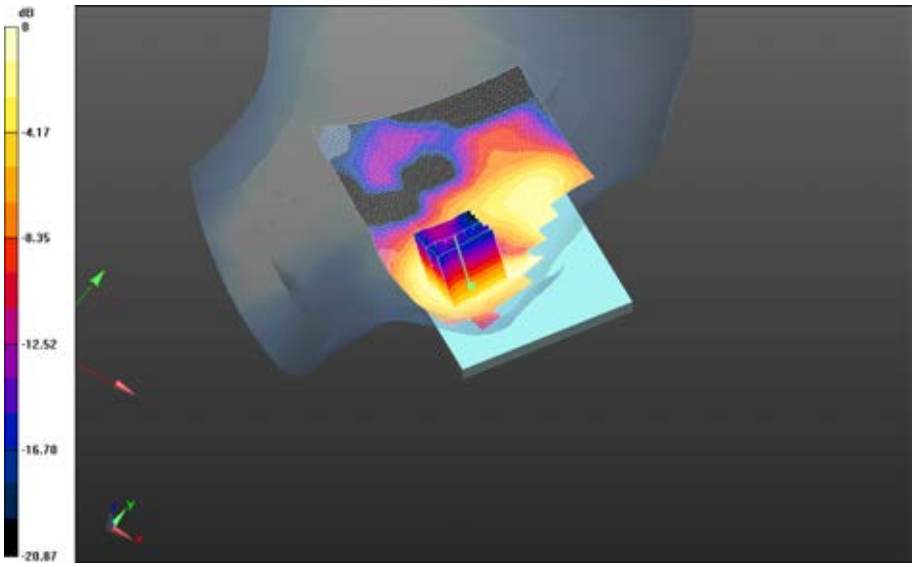
**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.33,4.33,4.33); 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 - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.4C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.860 V/m; **Power Drift = 0.359 dB**

**Left-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.4C_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 = 2.860 V/m; **Power Drift = 0.359 dB**

**Averaged SAR: SAR(1g) = 0.0686 W/kg; SAR(10g) = 0.0386 W/kg**
Maximum value of SAR (interpolated) = 0.118 W/kg

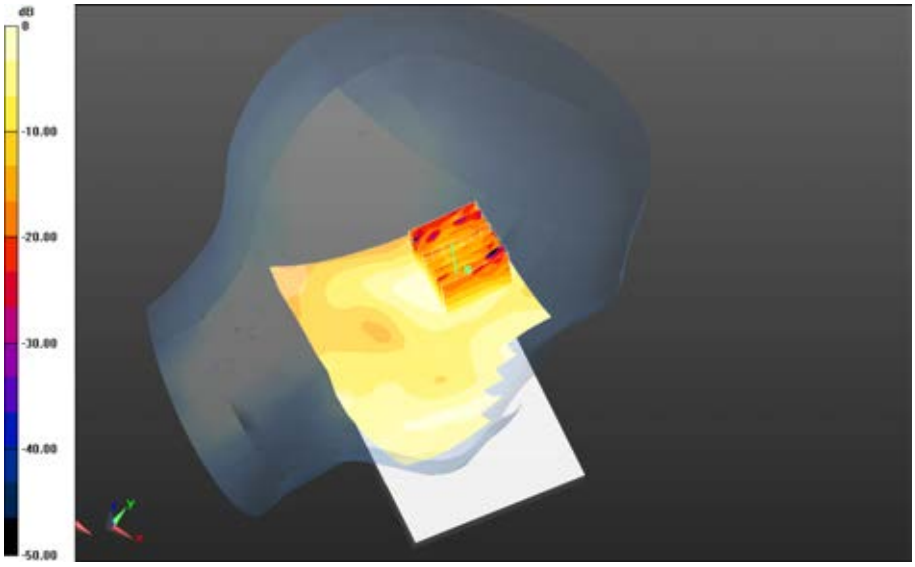



0 dB = 0.0845 W/kg = -10.73 dBW/kg

**Left-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.4C_liq_temp_21.9C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.390 V/m; **Power Drift = 0.096 dB**

**Left-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.4C_liq_temp_21.9C/Zoom Scan (36x36x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.390 V/m; **Power Drift = 0.096 dB**

**Averaged SAR: SAR(1g) = 0.0274 W/kg; SAR(10g) = 0.0148 W/kg**
Maximum value of SAR (interpolated) = 0.0459 W/kg




0 dB = 0.0386 W/kg = -14.13 dBW/kg

# LTE Band 7 Rev 2

Date: 6/6/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF4703**

## Configuration: Right-Hand-Side HSL - LTE 7 Rev2

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.896 S/m; $\varepsilon_r$ = 37.600; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

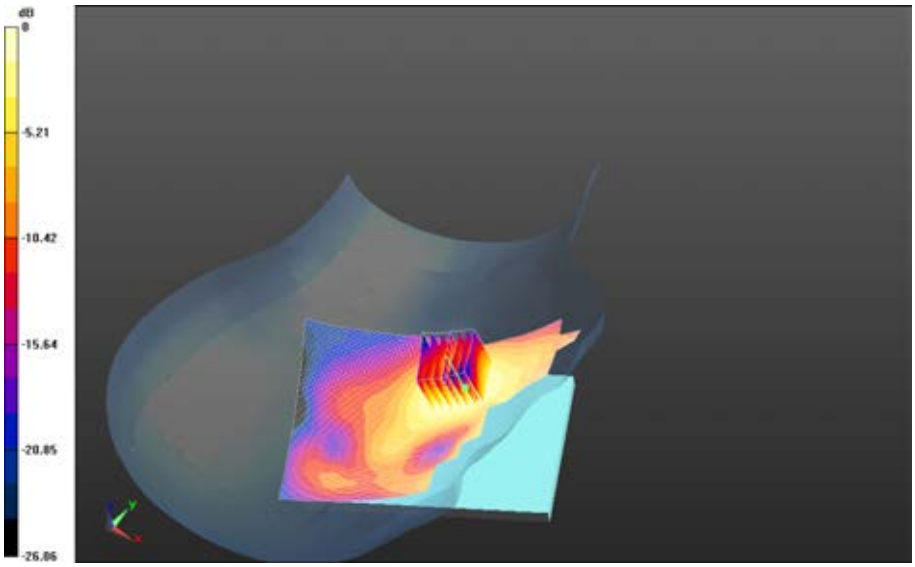
**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.33,4.33,4.33); 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 - LTE 7 Rev2/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_22.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.058 V/m; **Power Drift = 0.116 dB**

**Right-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_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 = 2.058 V/m; **Power Drift = 0.116 dB**

**Averaged SAR: SAR(1g) = 0.222 W/kg; SAR(10g) = 0.127 W/kg**
Maximum value of SAR (interpolated) = 0.355 W/kg

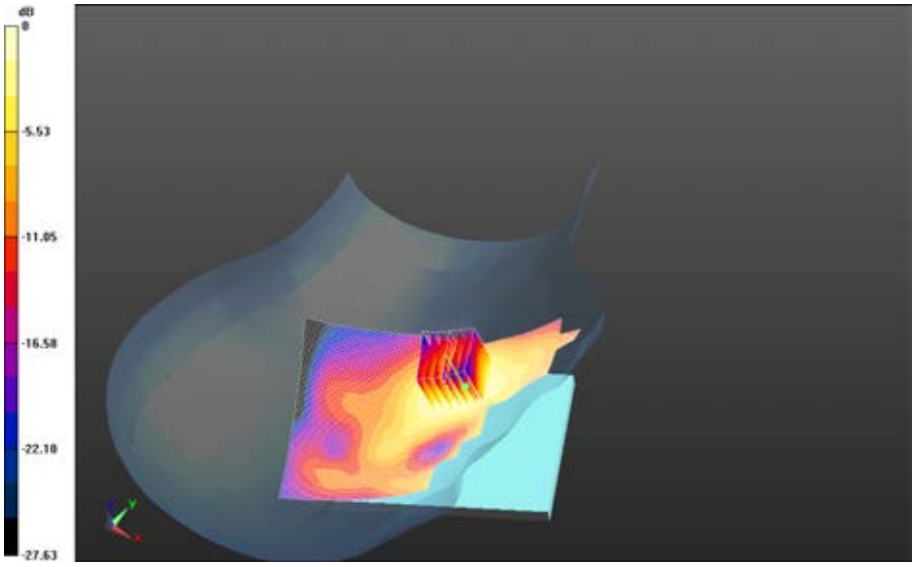



0 dB = 0.264 W/kg = -5.78 dBW/kg

**Right-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.2C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.166 V/m; **Power Drift = 0.207 dB**

**Right-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.2C_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 = 2.166 V/m; **Power Drift = 0.207 dB**

**Averaged SAR: SAR(1g) = 0.214 W/kg; SAR(10g) = 0.122 W/kg**
Maximum value of SAR (interpolated) = 0.349 W/kg

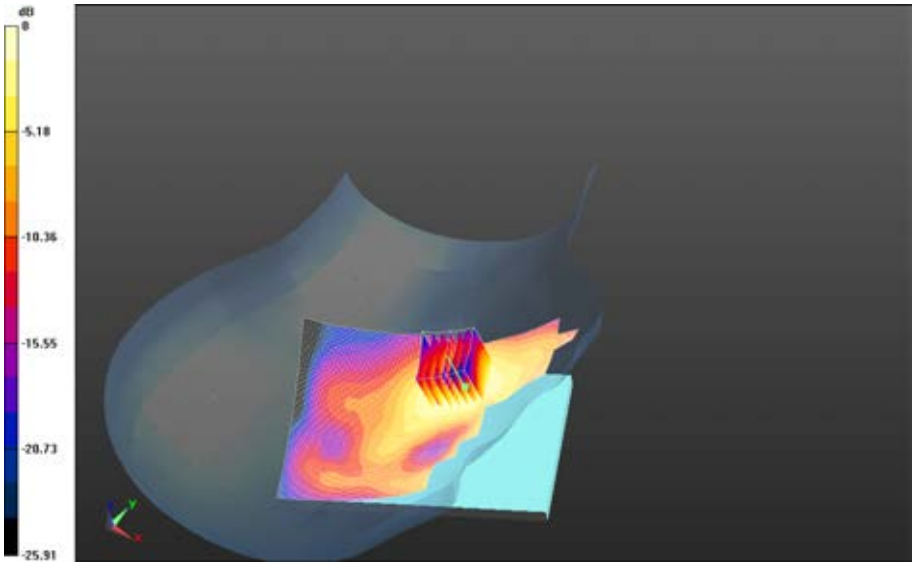



0 dB = 0.264 W/kg = -5.78 dBW/kg

**Right-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Low_amb_temp_23.1C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.232 V/m; **Power Drift = 0.400 dB**

**Right-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Low_amb_temp_23.1C_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 = 2.232 V/m; **Power Drift = 0.400 dB**

**Averaged SAR: SAR(1g) = 0.227 W/kg; SAR(10g) = 0.130 W/kg**
Maximum value of SAR (interpolated) = 0.368 W/kg




0 dB = 0.258 W/kg = -5.88 dBW/kg

Date: 6/6/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF4703**

## Configuration: Left-Hand-Side HSL - LTE 7 Rev2

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2535 MHz
Medium Parameters used: f=2535 MHz; $\sigma$ = 1.923 S/m; $\varepsilon_r$ = 37.504; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

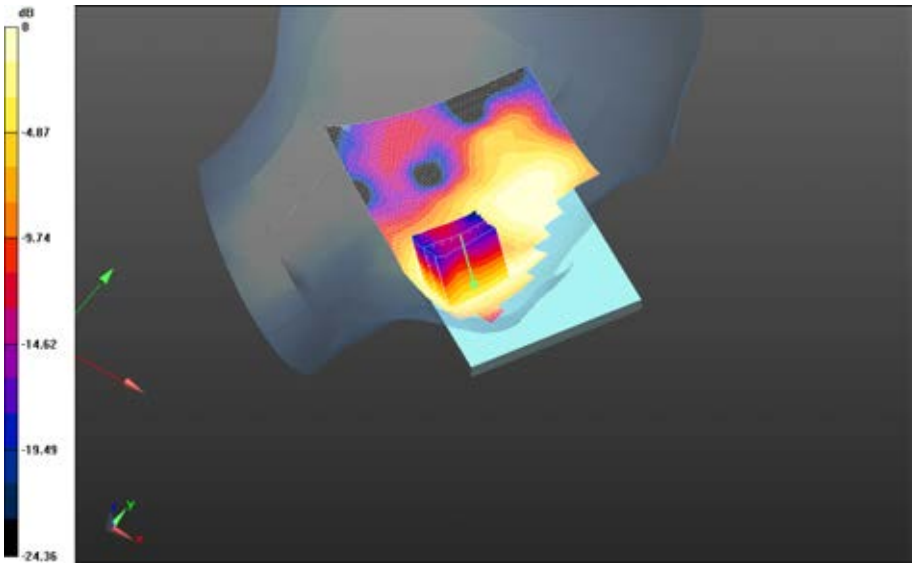
**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.33,4.33,4.33); 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 - LTE 7 Rev2/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_22.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.575 V/m; **Power Drift = 0.422 dB**

**Left-Hand-Side HSL - LTE 7 Rev2/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_22.1C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.575 V/m; **Power Drift = 0.422 dB**

**Averaged SAR: SAR(1g) = 0.0949 W/kg; SAR(10g) = 0.0550 W/kg**
Maximum value of SAR (interpolated) = 0.160 W/kg




0 dB = 0.114 W/kg = -9.43 dBW/kg

# 802.11a

Date: 5/26/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 4.698 S/m; $\varepsilon_r$ = 34.733; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

### DASY Configuration:

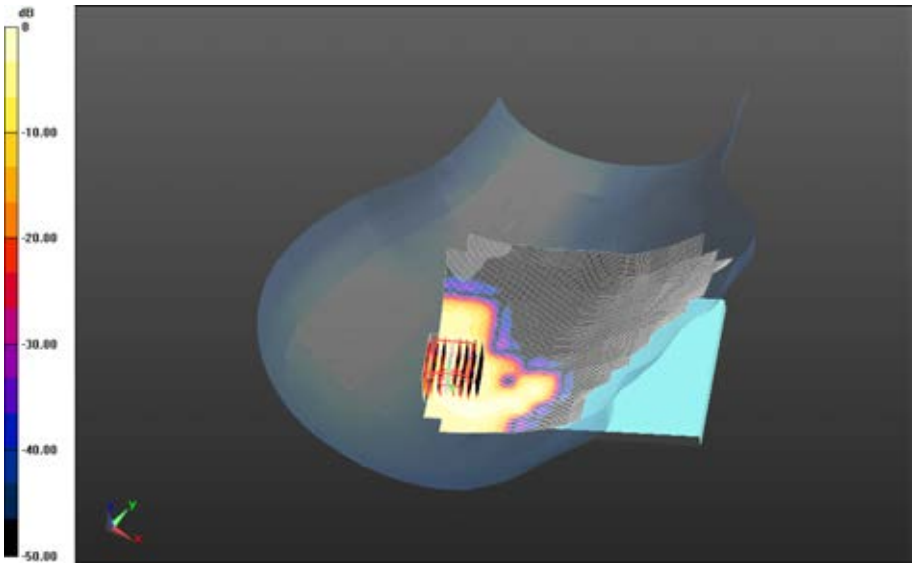
- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_21.4C/Area Scan (181x221x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.459 V/m; **Power Drift = -0.012 dB**

**Fast SAR: SAR(1g) = 0.0924 W/kg; SAR(10g) = 0.0370 W/kg**
Maximum value of SAR (interpolated) = 0.178 W/kg

**Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_21.4C/Zoom Scan (36x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.459 V/m; **Power Drift = -0.012 dB**

**Averaged SAR: SAR(1g) = 0.0785 W/kg; SAR(10g) = 0.0272 W/kg**
Maximum value of SAR (interpolated) = 0.332 W/kg




0 dB = 0.172 W/kg = -7.64 dBW/kg

Date: 5/26/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## Configuration: Right-Hand-Side HSL - 802.11a 5200 MHz 2

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5260 MHz
Medium Parameters used: f=5260 MHz; $\sigma$ = 4.811 S/m; $\varepsilon_r$ = 34.521; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

### DASY Configuration:

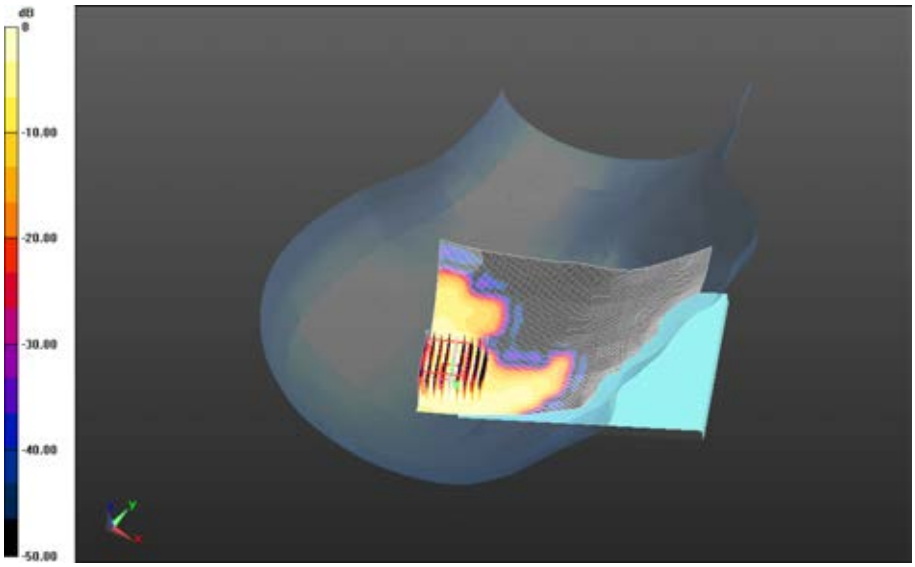
- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - 802.11a 5200 MHz 2/Touch Position - 802.11a_chan52_Mid_band_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.879 V/m; **Power Drift = 0.148 dB**

**Fast SAR: SAR(1g) = 0.239 W/kg; SAR(10g) = 0.0924 W/kg**
Maximum value of SAR (interpolated) = 0.466 W/kg

**Right-Hand-Side HSL - 802.11a 5200 MHz 2/Touch Position - 802.11a_chan52_Mid_band_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 = 3.879 V/m; **Power Drift = 0.148 dB**

**Averaged SAR: SAR(1g) = 0.265 W/kg; SAR(10g) = 0.0896 W/kg**
Maximum value of SAR (interpolated) = 1.09 W/kg




0 dB = 0.519 W/kg = -2.85 dBW/kg

Date: 5/26/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 5.104 S/m; $\varepsilon_r$ = 34.176; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

### DASY Configuration:

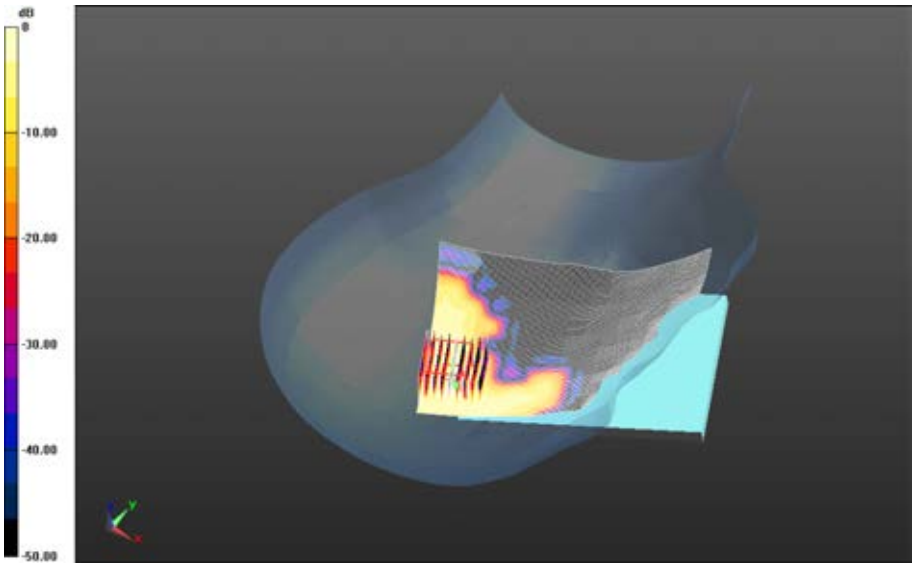
- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.049 V/m; **Power Drift = -0.033 dB**

**Fast SAR: SAR(1g) = 0.245 W/kg; SAR(10g) = 0.0928 W/kg**
Maximum value of SAR (interpolated) = 0.498 W/kg

**Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_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 = 4.049 V/m; **Power Drift = -0.033 dB**

**Averaged SAR: SAR(1g) = 0.261 W/kg; SAR(10g) = 0.0878 W/kg**
Maximum value of SAR (interpolated) = 1.19 W/kg




0 dB = 0.533 W/kg = -2.73 dBW/kg

Date: 5/26/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 5.346 S/m; $\varepsilon_r$ = 33.764; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

### DASY Configuration:

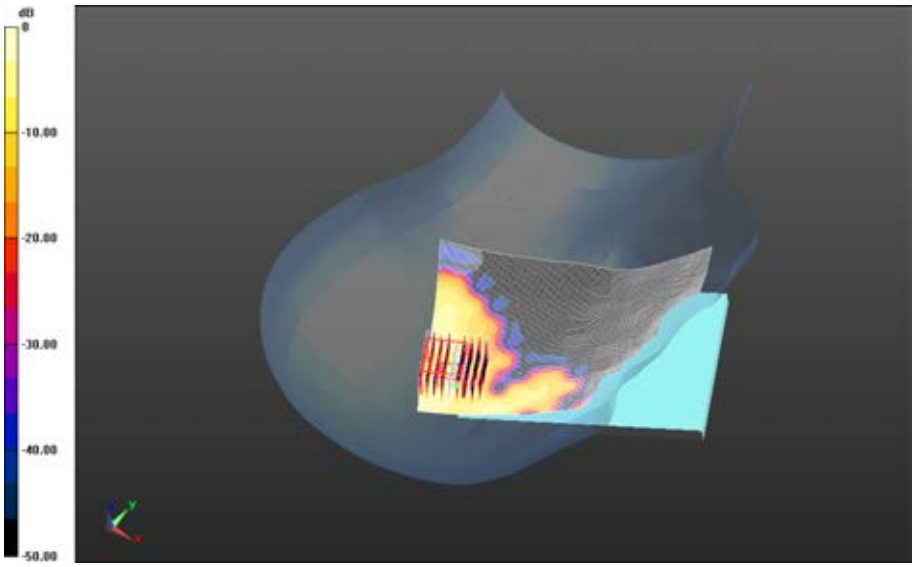
- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.315 V/m; **Power Drift = 0.059 dB**

**Fast SAR: SAR(1g) = 0.290 W/kg; SAR(10g) = 0.100 W/kg**
Maximum value of SAR (interpolated) = 0.641 W/kg

**Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan149_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 = 4.315 V/m; **Power Drift = 0.059 dB**

**Averaged SAR: SAR(1g) = 0.331 W/kg; SAR(10g) = 0.0994 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg



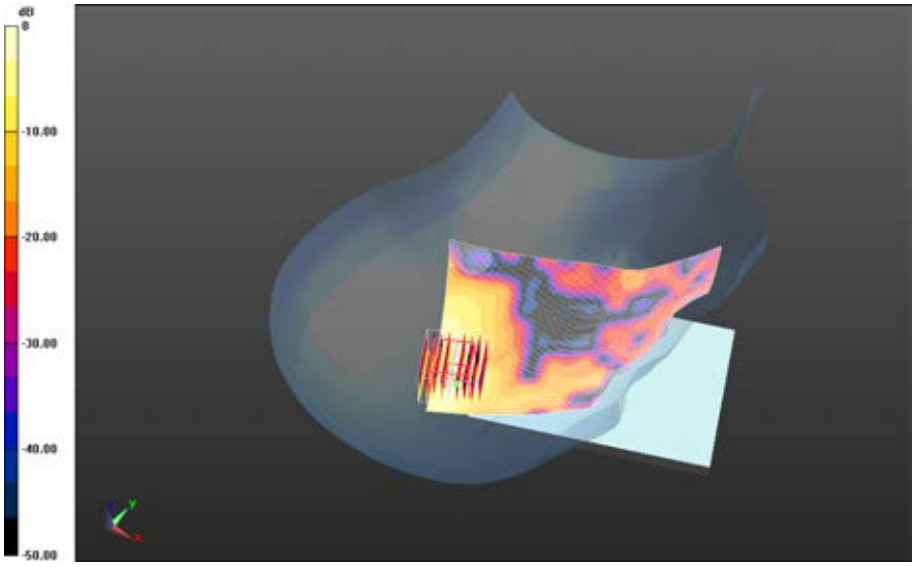

0 dB = 0.666 W/kg = -1.77 dBW/kg

**Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_chan149_Upper_bandII_amb_temp_23.2C_liq_temp_22.3C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 5.449 V/m; **Power Drift = 0.180 dB**

**Fast SAR: SAR(1g) = 0.408 W/kg; SAR(10g) = 0.138 W/kg**
Maximum value of SAR (interpolated) = 0.849 W/kg

**Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_chan149_Upper_bandII_amb_temp_23.2C_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 = 5.449 V/m; **Power Drift = 0.180 dB**

**Averaged SAR: SAR(1g) = 0.474 W/kg; SAR(10g) = 0.145 W/kg**
Maximum value of SAR (interpolated) = 2.12 W/kg




0 dB = 0.666 W/kg = -1.77 dBW/kg

Date: 5/27/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 4.698 S/m; $\varepsilon_r$ = 34.733; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

### DASY Configuration:

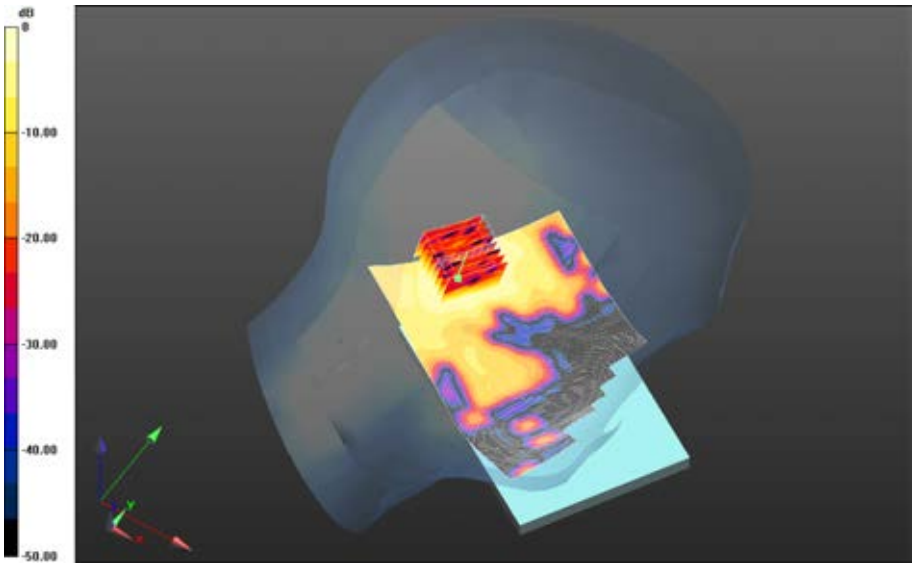
- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**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 (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 5.542 V/m; **Power Drift = -0.182 dB**

**Fast SAR: SAR(1g) = 0.182 W/kg; SAR(10g) = 0.0735 W/kg**
Maximum value of SAR (interpolated) = 0.343 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 = 5.542 V/m; **Power Drift = -0.182 dB**

**Averaged SAR: SAR(1g) = 0.193 W/kg; SAR(10g) = 0.0763 W/kg**
Maximum value of SAR (interpolated) = 0.620 W/kg



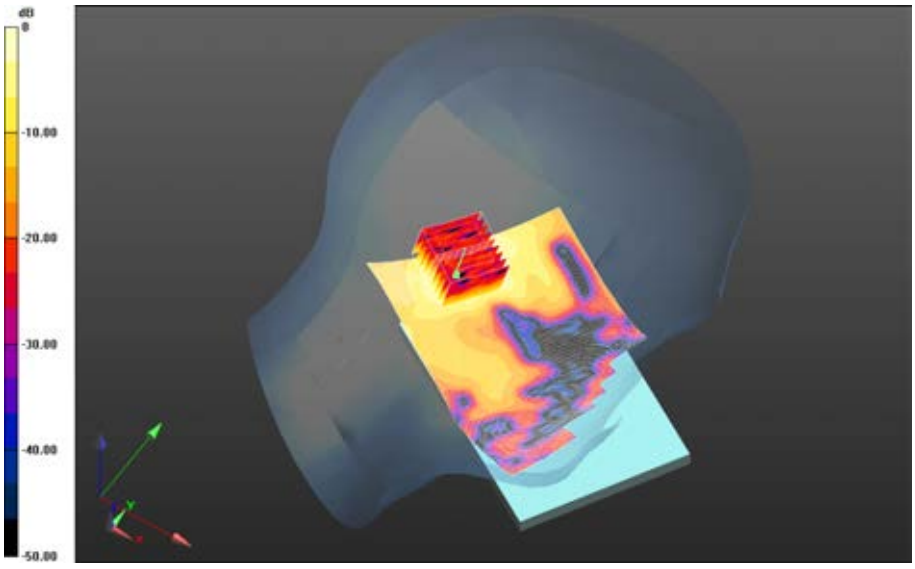

0 dB = 0.337 W/kg = -4.72 dBW/kg

**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 (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 5.757 V/m; **Power Drift = -0.108 dB**

**Fast SAR: SAR(1g) = 0.317 W/kg; SAR(10g) = 0.124 W/kg**
Maximum value of SAR (interpolated) = 0.621 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 (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 5.757 V/m; **Power Drift = -0.108 dB**

**Averaged SAR: SAR(1g) = 0.338 W/kg; SAR(10g) = 0.130 W/kg**
Maximum value of SAR (interpolated) = 1.12 W/kg




0 dB = 0.337 W/kg = -4.72 dBW/kg

Date: 5/27/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

## 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; $\sigma$ = 5.104 S/m; $\varepsilon_r$ = 34.176; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

### DASY Configuration:

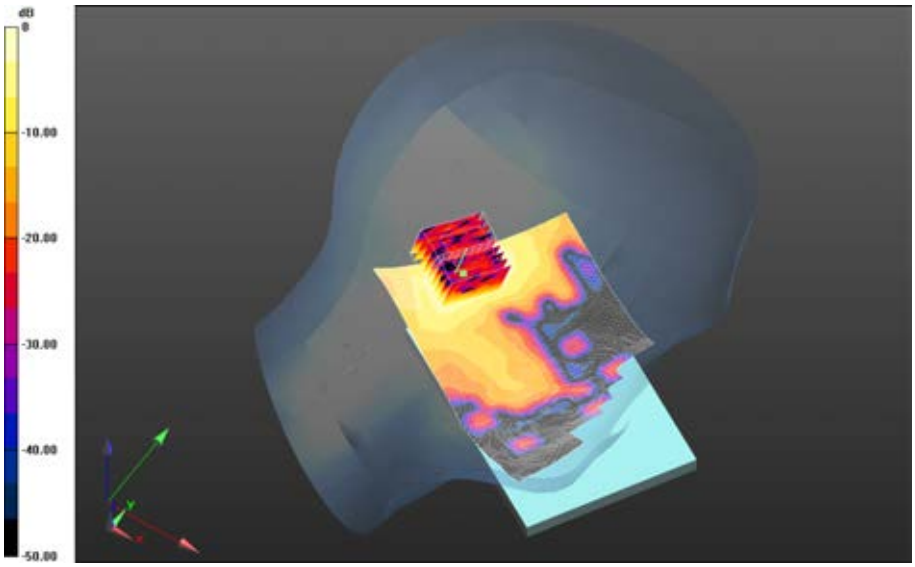
- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.066 V/m; **Power Drift = -0.134 dB**

**Fast SAR: SAR(1g) = 0.352 W/kg; SAR(10g) = 0.134 W/kg**
Maximum value of SAR (interpolated) = 0.679 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_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 = 4.066 V/m; **Power Drift = -0.134 dB**

**Averaged SAR: SAR(1g) = 0.373 W/kg; SAR(10g) = 0.139 W/kg**
Maximum value of SAR (interpolated) = 1.35 W/kg



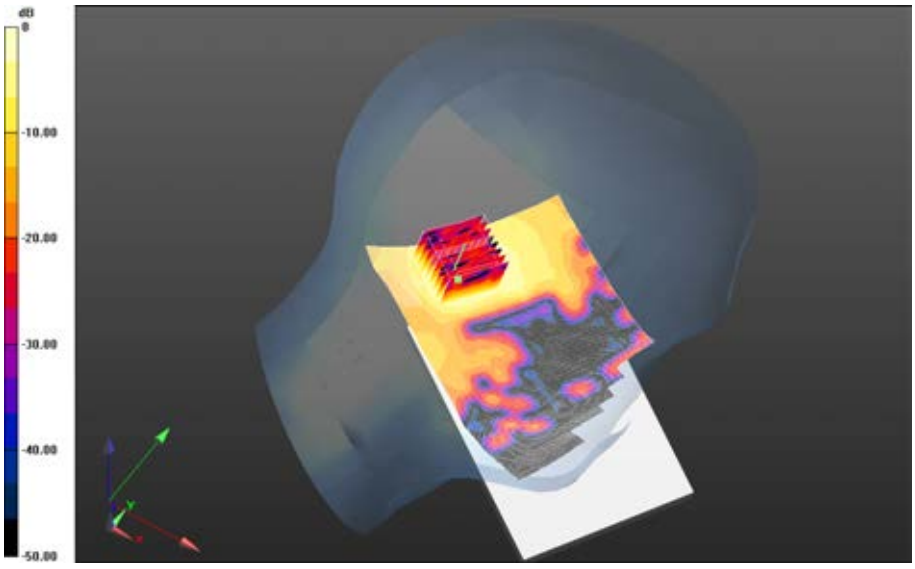

0 dB = 0.699 W/kg = -1.56 dBW/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position - 802.11a_chan104_Upper_bandI_amb_temp_23.0C_liq_temp_21.8C/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.157 V/m; **Power Drift = 0.284 dB**

**Fast SAR: SAR(1g) = 0.386 W/kg; SAR(10g) = 0.146 W/kg**
Maximum value of SAR (interpolated) = 0.774 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position - 802.11a_chan104_Upper_bandI_amb_temp_23.0C_liq_temp_21.8C/Zoom Scan (41x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.157 V/m; **Power Drift = 0.284 dB**

**Averaged SAR: SAR(1g) = 0.410 W/kg; SAR(10g) = 0.156 W/kg**
Maximum value of SAR (interpolated) = 1.42 W/kg



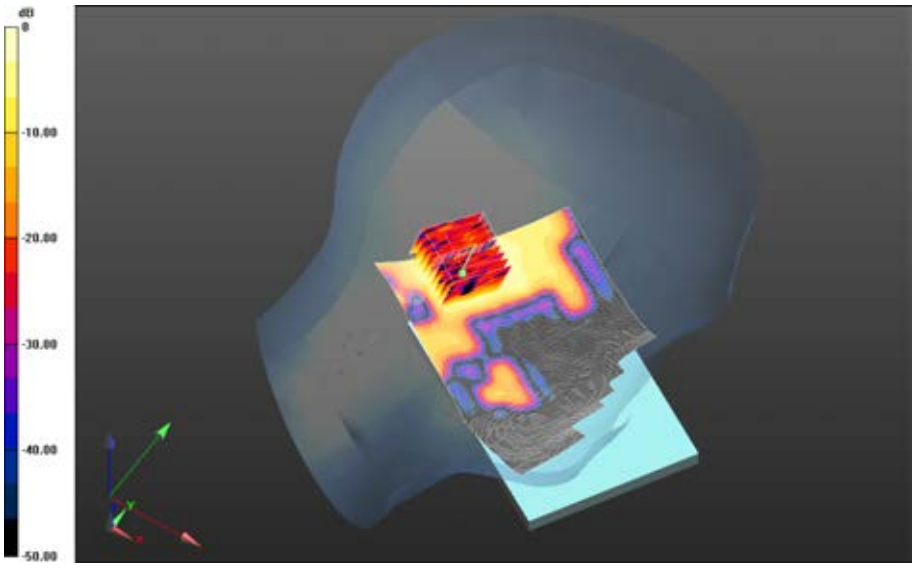

0 dB = 0.699 W/kg = -1.56 dBW/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW20_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_21.9C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.152 V/m; **Power Drift = -0.00031 dB**

**Fast SAR: SAR(1g) = 0.257 W/kg; SAR(10g) = 0.0997 W/kg**
Maximum value of SAR (interpolated) = 0.498 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW20_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_21.9C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.152 V/m; **Power Drift = -0.00031 dB**

**Averaged SAR: SAR(1g) = 0.269 W/kg; SAR(10g) = 0.100 W/kg**
Maximum value of SAR (interpolated) = 0.895 W/kg



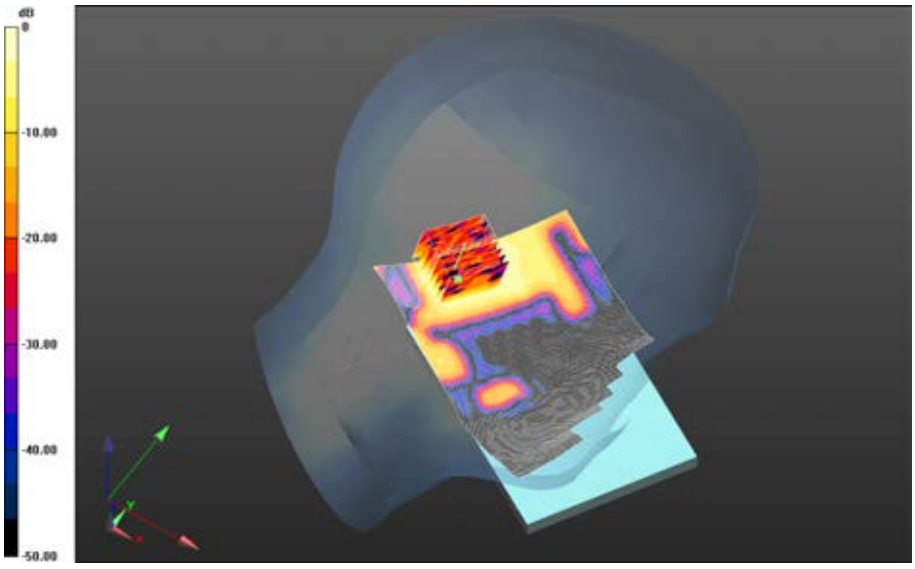

0 dB = 0.741 W/kg = -1.30 dBW/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW40_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_21.9C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.827 V/m; **Power Drift = 0.305 dB**

**Fast SAR: SAR(1g) = 0.149 W/kg; SAR(10g) = 0.0578 W/kg**
Maximum value of SAR (interpolated) = 0.303 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW40_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (41x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.827 V/m; **Power Drift = 0.305 dB**

**Averaged SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.0574 W/kg**
Maximum value of SAR (interpolated) = 0.542 W/kg



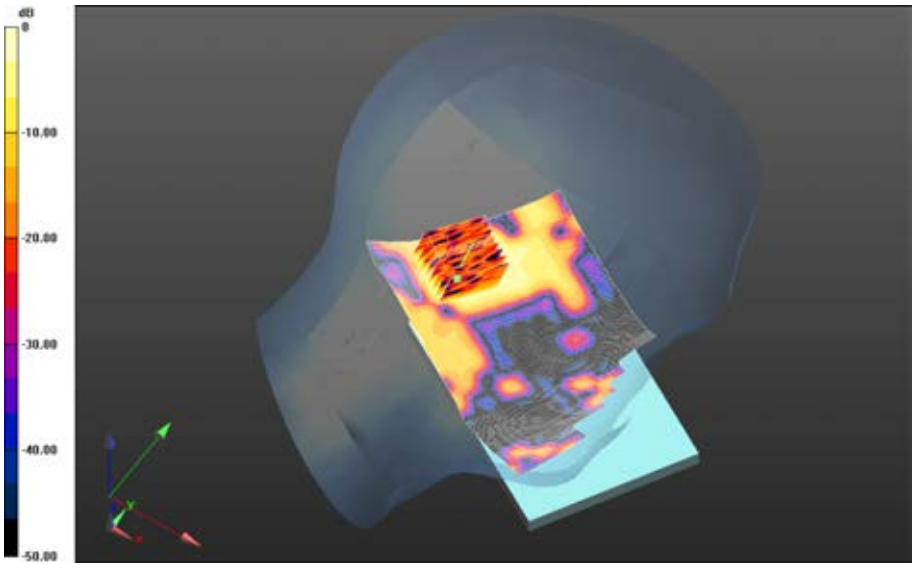

0 dB = 0.489 W/kg = -3.11 dBW/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW80_chan104_Upper_bandI_amb_temp_23.5C_liq_temp_22.0C/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.136 V/m; **Power Drift = -0.485 dB**

**Fast SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0411 W/kg**
Maximum value of SAR (interpolated) = 0.212 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11ac_BW80_chan104_Upper_bandI_amb_temp_23.5C_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 = 2.136 V/m; **Power Drift = -0.485 dB**

**Averaged SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0394 W/kg**
Maximum value of SAR (interpolated) = 0.361 W/kg




0 dB = 0.281 W/kg = -5.51 dBW/kg

Date: 5/26/2014

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFF3D40**

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

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 5.346 S/m; $\varepsilon_r$ = 33.764; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

### DASY Configuration:

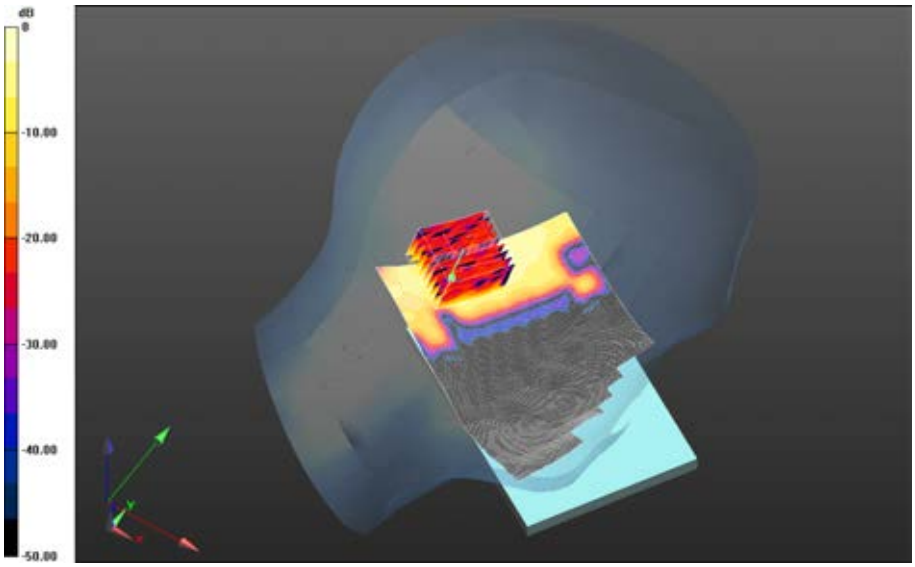
- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

**Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.161 V/m; **Power Drift = 0.090 dB**

**Fast SAR: SAR(1g) = 0.234 W/kg; SAR(10g) = 0.0915 W/kg**
Maximum value of SAR (interpolated) = 0.463 W/kg

**Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (46x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.161 V/m; **Power Drift = 0.090 dB**

**Averaged SAR: SAR(1g) = 0.246 W/kg; SAR(10g) = 0.0916 W/kg**
Maximum value of SAR (interpolated) = 0.880 W/kg




0 dB = 0.487 W/kg = -3.12 dBW/kg