## APPENDIX B: SAR DISTRIBUTION PLOTS FOR EACH CONFIGURATION PART 3 of 3 (2300 – 5000 MHz)

# LTE Band 30

Date: 8/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - LTE band 30 - Slider Closed

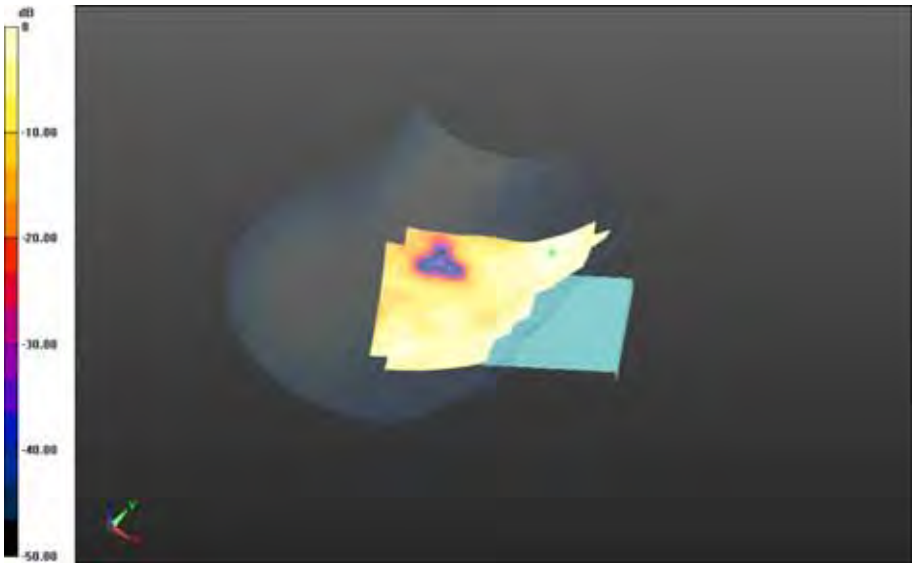
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.701 S/m; $\varepsilon_r$ = 37.744; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE band 30 - Slider Closed/Touch Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.5C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.527 V/m; **Power Drift = 0.407 dB**

**Fast SAR: SAR(1g) = 0.0494 W/kg; SAR(10g) = 0.0257 W/kg**
Maximum value of SAR (interpolated) = 0.0634 W/kg




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

Date: 8/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - LTE band 30 - Slider Closed 2

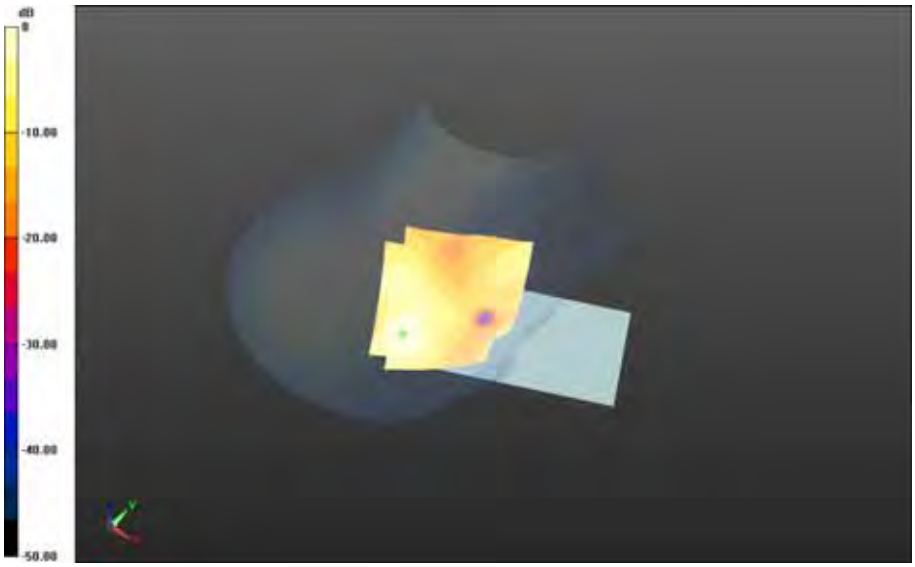
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.722 S/m; $\varepsilon_r$ = 37.777; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE band 30 - Slider Closed 2/Tilt Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.1C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.283 V/m; **Power Drift = 0.385 dB**

**Fast SAR: SAR(1g) = 0.0485 W/kg; SAR(10g) = 0.0242 W/kg**
Maximum value of SAR (interpolated) = 0.0638 W/kg




0 dB = 0.0638 W/kg = -11.95 dBW/kg

Date: 8/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - LTE band 30 - Slider Closed

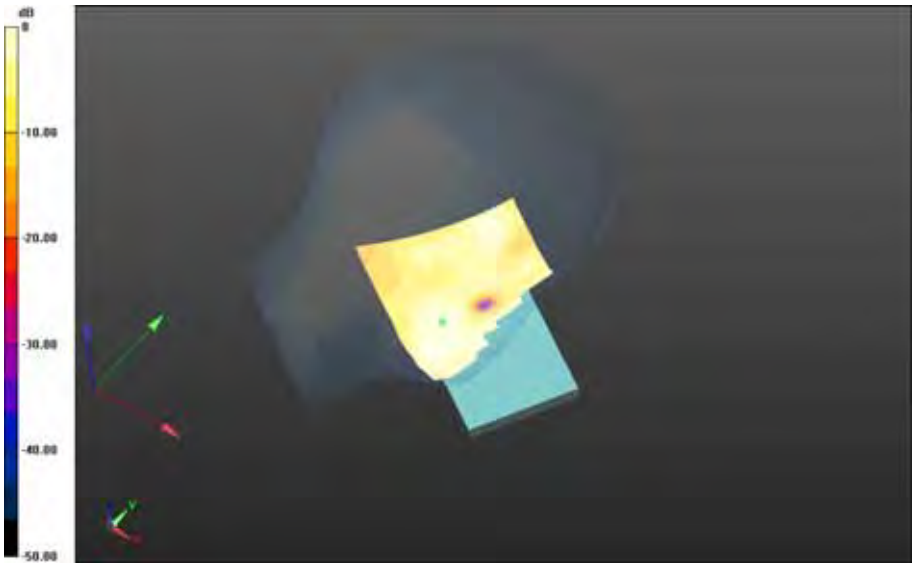
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.701 S/m; $\varepsilon_r$ = 37.744; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE band 30 - Slider Closed/Touch Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.5C/Area Scan (151x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.115 V/m; **Power Drift = 0.512 dB**

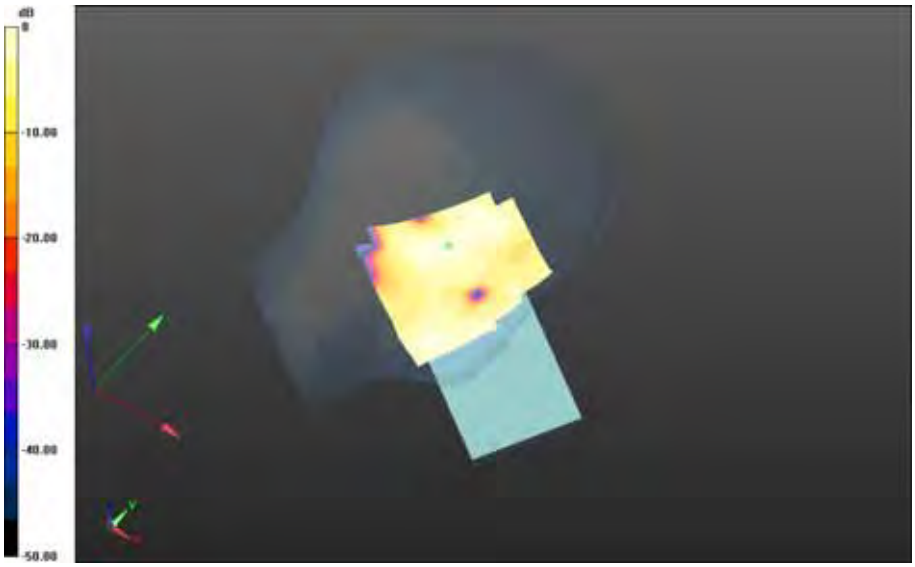
**Fast SAR: SAR(1g) = 0.0448 W/kg; SAR(10g) = 0.0246 W/kg**
Maximum value of SAR (interpolated) = 0.0588 W/kg




0 dB = 0.0588 W/kg = -12.31 dBW/kg

**Left-Hand-Side HSL - LTE band 30 - Slider Closed/Tilt Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.4C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.240 V/m; **Power Drift = 0.156 dB**

**Fast SAR: SAR(1g) = 0.0162 W/kg; SAR(10g) = 0.00822 W/kg**
Maximum value of SAR (interpolated) = 0.0217 W/kg




0 dB = 0.0217 W/kg = -16.64 dBW/kg

Date: 8/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - LTE band 30 - Slider Open

Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.701 S/m; $\varepsilon_r$ = 37.744; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

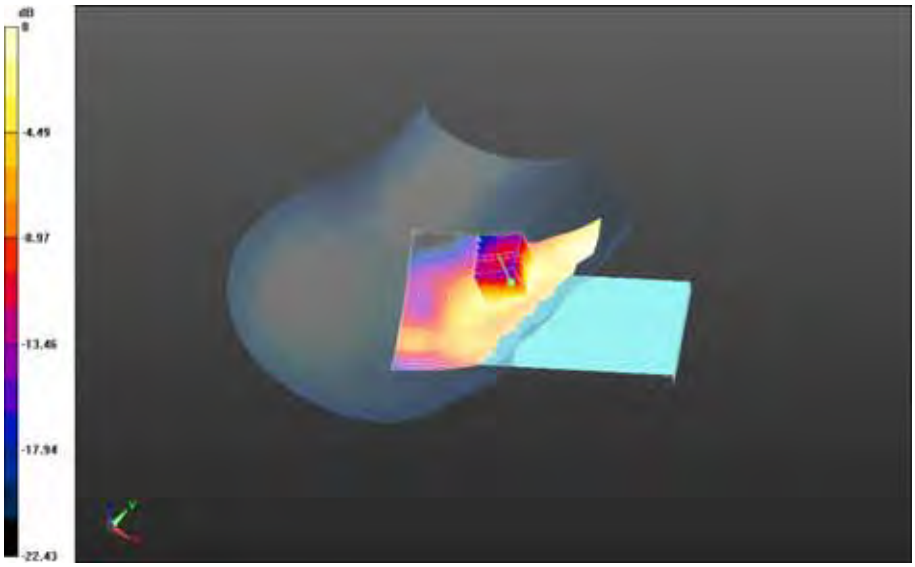
- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE band 30 - Slider Open/Touch Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.831 V/m; **Power Drift = -0.131 dB**

**Fast SAR: SAR(1g) = 0.141 W/kg; SAR(10g) = 0.0778 W/kg**
Maximum value of SAR (interpolated) = 0.185 W/kg

**Right-Hand-Side HSL - LTE band 30 - Slider Open/Touch Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.831 V/m; **Power Drift = -0.131 dB**

**Averaged SAR: SAR(1g) = 0.153 W/kg; SAR(10g) = 0.0872 W/kg**
Maximum value of SAR (interpolated) = 0.259 W/kg




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

Date: 8/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - LTE band 30 - Slider Open 2

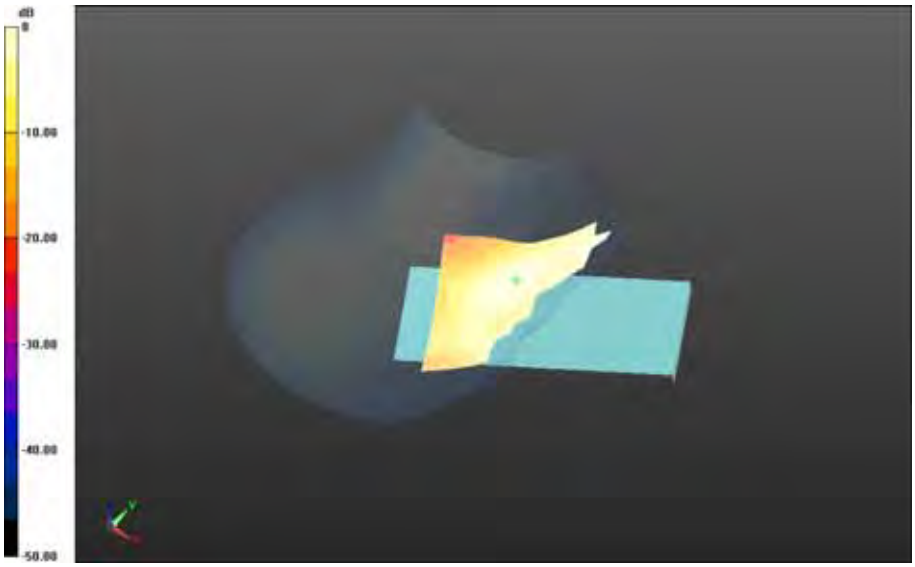
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.722 S/m; $\varepsilon_r$ = 37.777; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE band 30 - Slider Open 2/Touch Position - LTE band 30_chan27710_10MHz_BW_RB25_Offset_High_amb_temp_24.0C_liq_temp_23.1C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.118 V/m; **Power Drift = 0.212 dB**

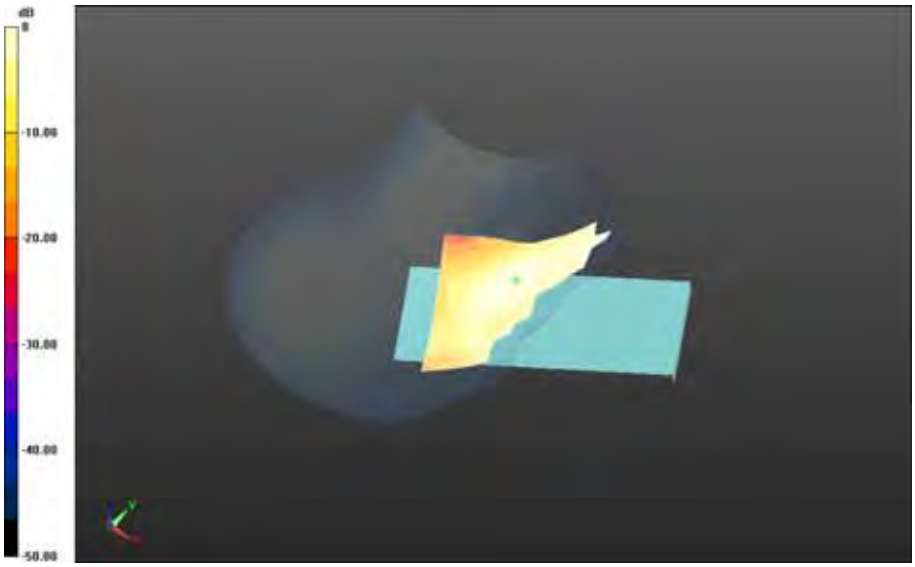
**Fast SAR: SAR(1g) = 0.132 W/kg; SAR(10g) = 0.0710 W/kg**
Maximum value of SAR (interpolated) = 0.170 W/kg




0 dB = 0.170 W/kg = -7.70 dBW/kg

**Right-Hand-Side HSL - LTE band 30 - Slider Open 2/Touch Position - LTE band 30_chan27710_10MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_23.1C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.177 V/m; **Power Drift = 0.193 dB**

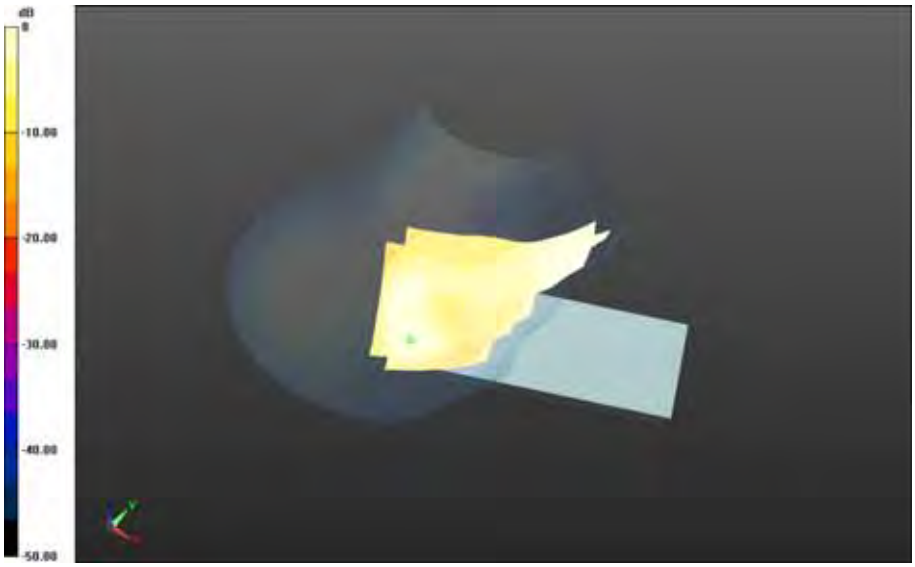
**Fast SAR: SAR(1g) = 0.135 W/kg; SAR(10g) = 0.0726 W/kg**
Maximum value of SAR (interpolated) = 0.174 W/kg




0 dB = 0.174 W/kg = -7.59 dBW/kg

**Right-Hand-Side HSL - LTE band 30 - Slider Open 2/Tilt Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.552 V/m; **Power Drift = 0.019 dB**

**Fast SAR: SAR(1g) = 0.0662 W/kg; SAR(10g) = 0.0349 W/kg**
Maximum value of SAR (interpolated) = 0.0853 W/kg




0 dB = 0.0853 W/kg = -10.69 dBW/kg

Date: 8/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - LTE band 30 - Slider Open

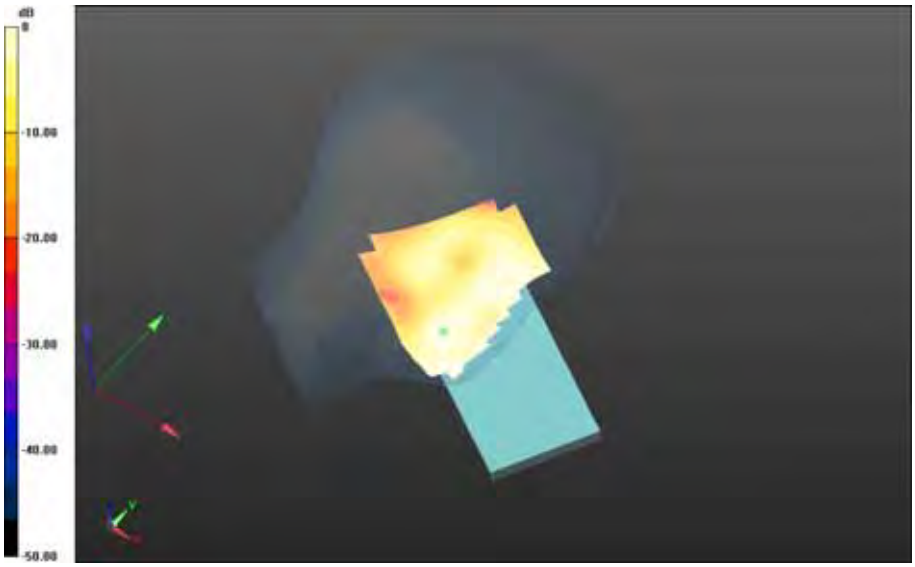
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.701 S/m; $\varepsilon_r$ = 37.744; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.77,4.77,4.77); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE band 30 - Slider Open/Touch Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_22.4C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.397 V/m; **Power Drift = 0.064 dB**

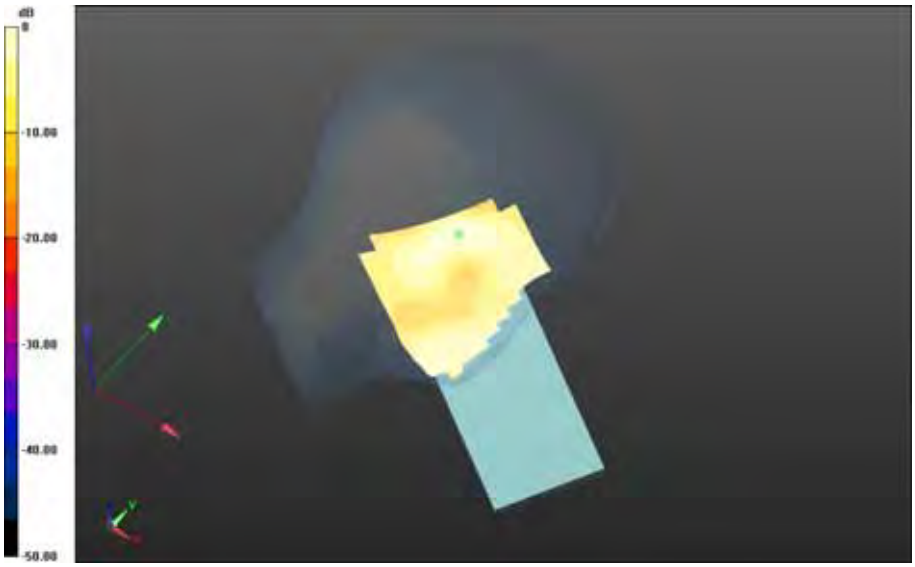
**Fast SAR: SAR(1g) = 0.0675 W/kg; SAR(10g) = 0.0377 W/kg**
Maximum value of SAR (interpolated) = 0.0936 W/kg




0 dB = 0.0936 W/kg = -10.29 dBW/kg

**Left-Hand-Side HSL - LTE band 30 - Slider Open/Tilt Position - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_22.5C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 7.432 V/m; **Power Drift = -0.123 dB**

**Fast SAR: SAR(1g) = 0.0673 W/kg; SAR(10g) = 0.0358 W/kg**
Maximum value of SAR (interpolated) = 0.0999 W/kg




0 dB = 0.0999 W/kg = -10.00 dBW/kg

Date: 8/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - LTE band 30 - Slider Closed

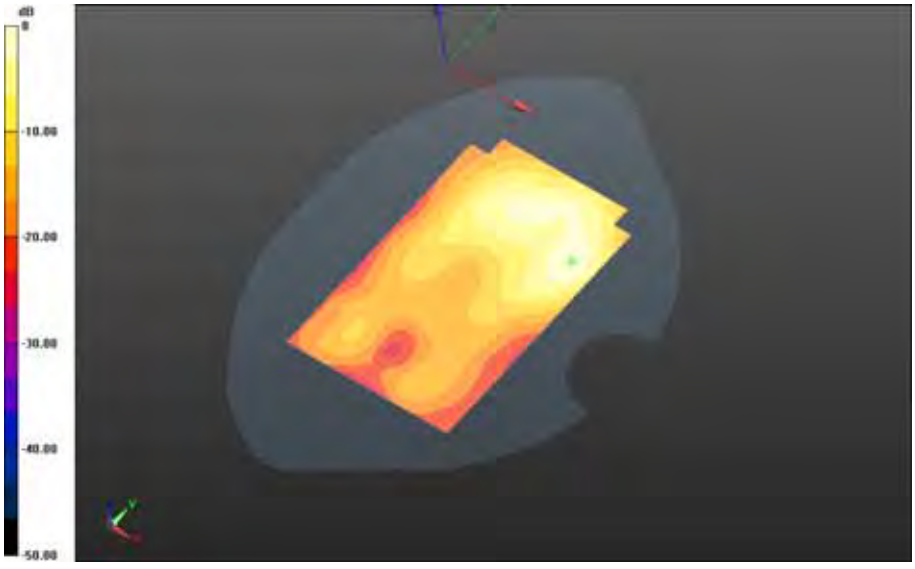
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.874 S/m; $\varepsilon_r$ = 50.739; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.48,4.48,4.48); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Back - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (151x211x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.610 V/m; **Power Drift = 0.188 dB**

**Fast SAR: SAR(1g) = 0.520 W/kg; SAR(10g) = 0.256 W/kg**
Maximum value of SAR (interpolated) = 0.701 W/kg



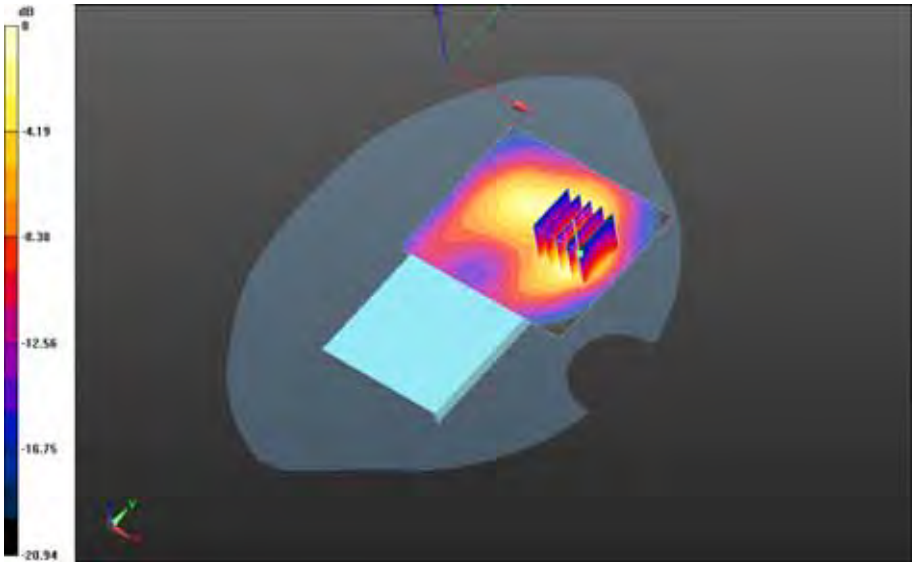

0 dB = 0.701 W/kg = -1.54 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Back - LTE band 30_16QAM_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.0C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.065 V/m; **Power Drift = -0.064 dB**

**Fast SAR: SAR(1g) = 0.590 W/kg; SAR(10g) = 0.275 W/kg**
Maximum value of SAR (interpolated) = 0.823 W/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Back - LTE band 30_16QAM_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.0C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.065 V/m; **Power Drift = -0.064 dB**

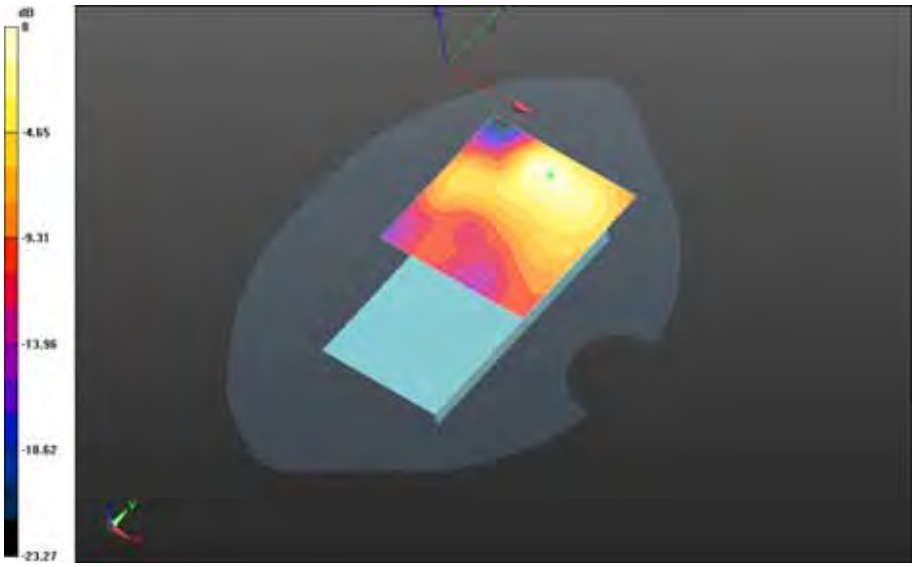
**Averaged SAR: SAR(1g) = 0.605 W/kg; SAR(10g) = 0.299 W/kg**
Maximum value of SAR (interpolated) = 1.13 W/kg




0 dB = 0.711 W/kg = -1.48 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Front - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.177 V/m; **Power Drift = -0.166 dB**

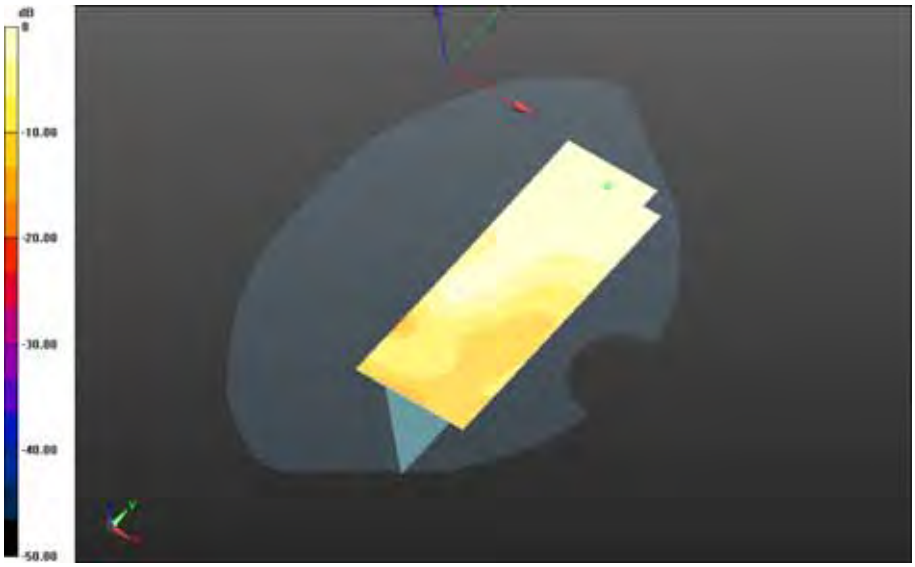
**Fast SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.0812 W/kg**
Maximum value of SAR (interpolated) = 0.209 W/kg




0 dB = 0.209 W/kg = -6.80 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Left - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (61x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.511 V/m; **Power Drift = 0.109 dB**

**Fast SAR: SAR(1g) = 0.0420 W/kg; SAR(10g) = 0.0256 W/kg**
Maximum value of SAR (interpolated) = 0.0504 W/kg




0 dB = 0.0504 W/kg = -12.98 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Right - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.643 V/m; **Power Drift = 0.075 dB**

**Fast SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.146 W/kg**
Maximum value of SAR (interpolated) = 0.401 W/kg


0 dB = 0.401 W/kg = -3.97 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Closed/10mm Device Bottom - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.4C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 13.879 V/m; **Power Drift = 0.014 dB**

**Fast SAR: SAR(1g) = 0.324 W/kg; SAR(10g) = 0.159 W/kg**
Maximum value of SAR (interpolated) = 0.468 W/kg


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

Date: 8/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - LTE band 30 - Slider Open

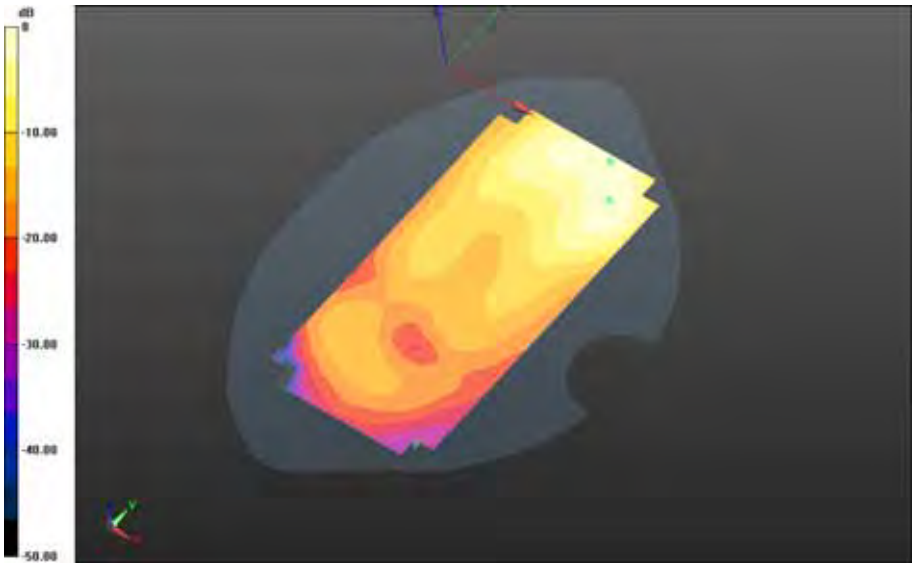
Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.874 S/m; $\varepsilon_r$ = 50.739; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.48,4.48,4.48); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.4C/Area Scan (151x211x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.912 V/m; **Power Drift = 0.088 dB**

**Fast SAR: SAR(1g) = 0.519 W/kg; SAR(10g) = 0.268 W/kg**
Maximum value of SAR (interpolated) = 0.669 W/kg




0 dB = 0.669 W/kg = -1.75 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_chan27710_10MHz_BW_RB25_Offset_High_amb_temp_23.7C_liq_temp_22.4C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.749 V/m; **Power Drift = 0.204 dB**

**Fast SAR: SAR(1g) = 0.471 W/kg; SAR(10g) = 0.245 W/kg**
Maximum value of SAR (interpolated) = 0.606 W/kg


0 dB = 0.606 W/kg = -2.18 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_chan27710_10MHz_BW_RB50_Offset_Low_amb_temp_23.6C_liq_temp_22.4C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.910 V/m; **Power Drift = 0.129 dB**

**Fast SAR: SAR(1g) = 0.512 W/kg; SAR(10g) = 0.265 W/kg**
Maximum value of SAR (interpolated) = 0.660 W/kg


0 dB = 0.660 W/kg = -1.80 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_16QAM_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_22.4C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.897 V/m; **Power Drift = -0.027 dB**

**Fast SAR: SAR(1g) = 0.528 W/kg; SAR(10g) = 0.273 W/kg**
Maximum value of SAR (interpolated) = 0.680 W/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_16QAM_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_22.4C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.897 V/m; **Power Drift = -0.027 dB**

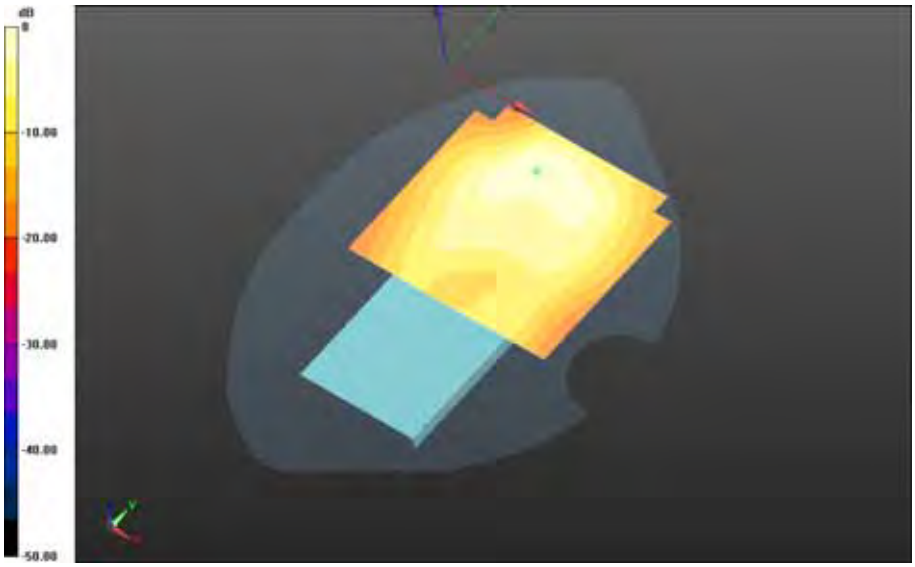
**Averaged SAR: SAR(1g) = 0.541 W/kg; SAR(10g) = 0.290 W/kg**
Maximum value of SAR (interpolated) = 0.946 W/kg
**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Back - LTE band 30_16QAM_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_22.4C/Zoom Scan 2 (46x46x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.897 V/m; **Power Drift = 0.059 dB**

**Averaged SAR: SAR(1g) = 0.542 W/kg; SAR(10g) = 0.290 W/kg**
Maximum value of SAR (interpolated) = 0.939 W/kg


0 dB = 0.674 W/kg = -1.71 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Front - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_24.2C_liq_temp_22.3C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.791 V/m; **Power Drift = 0.015 dB**

**Fast SAR: SAR(1g) = 0.440 W/kg; SAR(10g) = 0.236 W/kg**
Maximum value of SAR (interpolated) = 0.570 W/kg




0 dB = 0.570 W/kg = -2.44 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Left - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (51x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.702 V/m; **Power Drift = 0.114 dB**

**Fast SAR: SAR(1g) = 0.0823 W/kg; SAR(10g) = 0.0502 W/kg**
Maximum value of SAR (interpolated) = 0.0988 W/kg


0 dB = 0.0988 W/kg = -10.05 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Right - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.100 V/m; **Power Drift = 0.058 dB**

**Fast SAR: SAR(1g) = 0.399 W/kg; SAR(10g) = 0.205 W/kg**
Maximum value of SAR (interpolated) = 0.508 W/kg


0 dB = 0.508 W/kg = -2.94 dBW/kg

**Mobile Hot Spot MSL - LTE band 30 - Slider Open/10mm Device Bottom - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 16.580 V/m; **Power Drift = 0.00114 dB**

**Fast SAR: SAR(1g) = 0.422 W/kg; SAR(10g) = 0.225 W/kg**
Maximum value of SAR (interpolated) = 0.558 W/kg


0 dB = 0.558 W/kg = -2.53 dBW/kg

Date: 8/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Body Worn MSL - LTE band 30 - Slider Closed

Communication System: LTE 30 (0); Communication System Band: LTE Band 30; Frequency: 2310 MHz
Medium Parameters used: f=2310 MHz; $\sigma$ = 1.874 S/m; $\varepsilon_r$ = 50.739; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

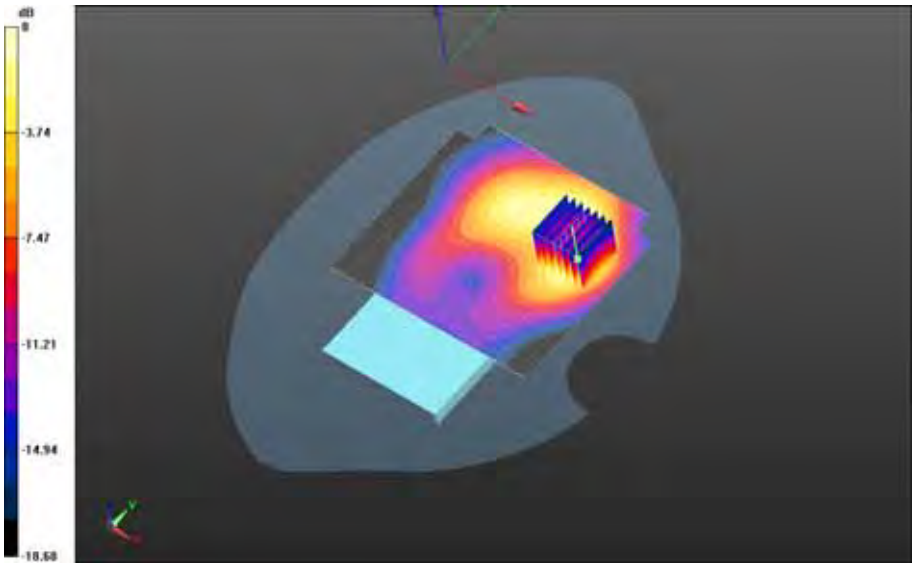
- Probe: ES3DV3 - SN3225; ConvF: (4.48,4.48,4.48); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - LTE band 30 - Slider Closed/15mm Device Back - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.225 V/m; **Power Drift = -0.071 dB**

**Fast SAR: SAR(1g) = 0.524 W/kg; SAR(10g) = 0.268 W/kg**
Maximum value of SAR (interpolated) = 0.689 W/kg

**Body Worn MSL - LTE band 30 - Slider Closed/15mm Device Back - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.4C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.225 V/m; **Power Drift = -0.071 dB**

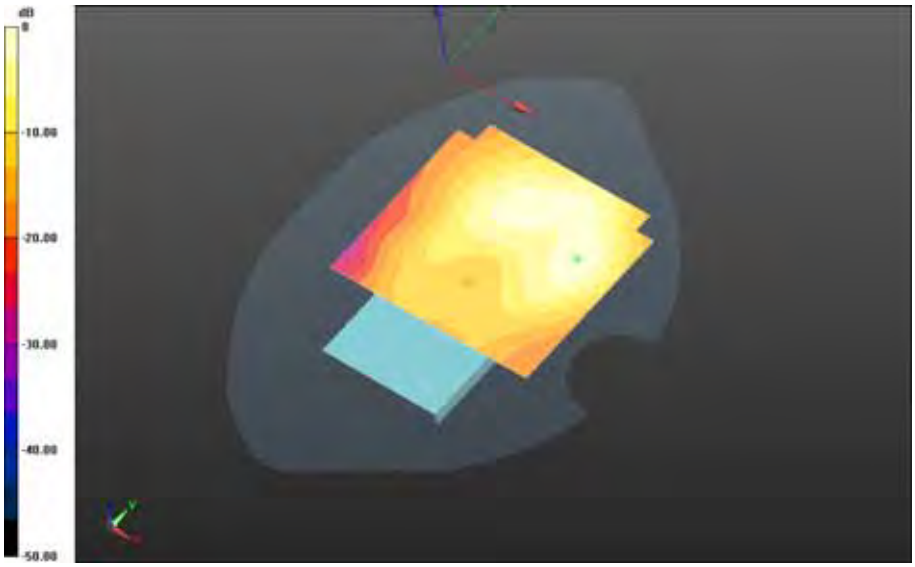
**Averaged SAR: SAR(1g) = 0.532 W/kg; SAR(10g) = 0.280 W/kg**
Maximum value of SAR (interpolated) = 0.932 W/kg




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

**Body Worn MSL - LTE band 30 - Slider Closed/15mm Device Back - LTE band 30_chan27710_10MHz_BW_RB25_Offset_High_amb_temp_23.6C_liq_temp_22.2C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.771 V/m; **Power Drift = 0.056 dB**

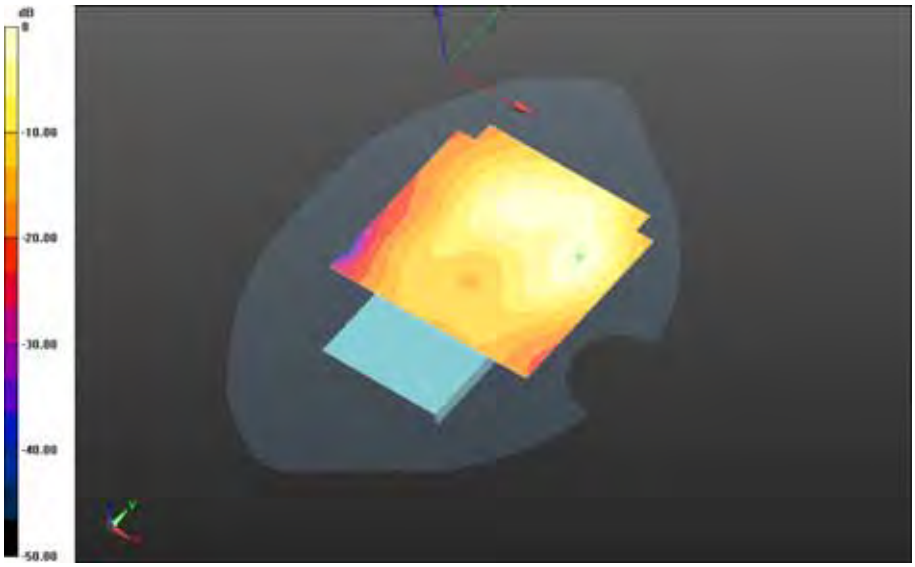
**Fast SAR: SAR(1g) = 0.377 W/kg; SAR(10g) = 0.193 W/kg**
Maximum value of SAR (interpolated) = 0.495 W/kg




0 dB = 0.495 W/kg = -3.05 dBW/kg

**Body Worn MSL - LTE band 30 - Slider Closed/15mm Device Back - LTE band 30_chan27710_10MHz_BW_RB50_Offset_Low_amb_temp_23.6C_liq_temp_22.2C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.694 V/m; **Power Drift = 0.161 dB**

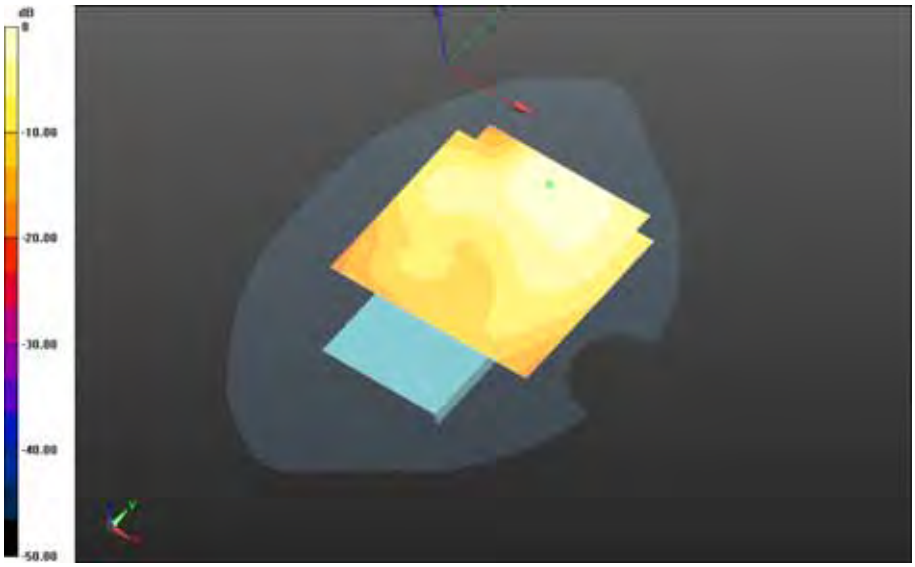
**Fast SAR: SAR(1g) = 0.398 W/kg; SAR(10g) = 0.204 W/kg**
Maximum value of SAR (interpolated) = 0.522 W/kg




0 dB = 0.522 W/kg = -2.82 dBW/kg

**Body Worn MSL - LTE band 30 - Slider Closed/15mm Device Front - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_22.2C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.670 V/m; **Power Drift = -0.085 dB**

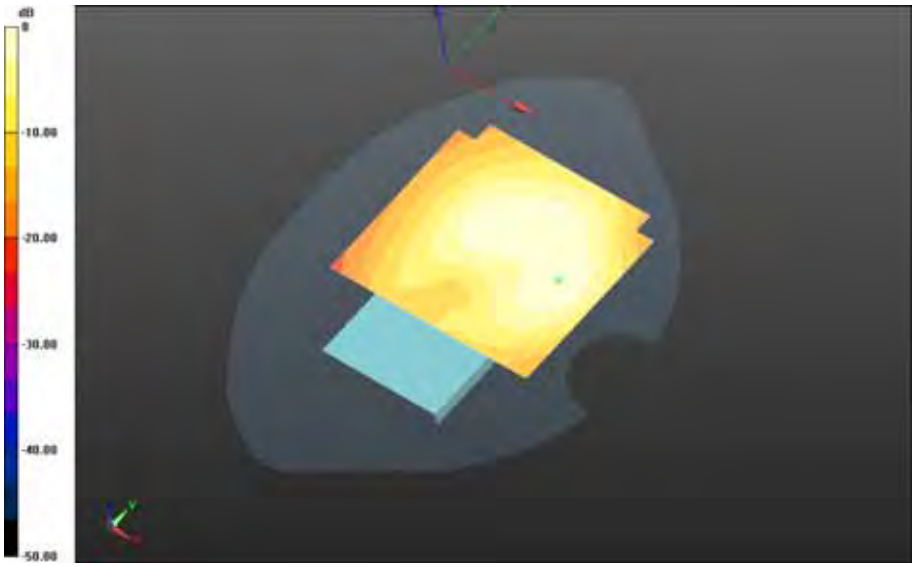
**Fast SAR: SAR(1g) = 0.143 W/kg; SAR(10g) = 0.0800 W/kg**
Maximum value of SAR (interpolated) = 0.180 W/kg




0 dB = 0.180 W/kg = -7.45 dBW/kg

**Body Worn MSL - LTE band 30 - Slider Closed/Holster Device Back - LTE band 30_chan27710_10MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_22.1C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.119 V/m; **Power Drift = 0.115 dB**

**Fast SAR: SAR(1g) = 0.235 W/kg; SAR(10g) = 0.136 W/kg**
Maximum value of SAR (interpolated) = 0.290 W/kg




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

# LTE Band 7

Date: 7/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.835 S/m; $\varepsilon_r$ = 38.205; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

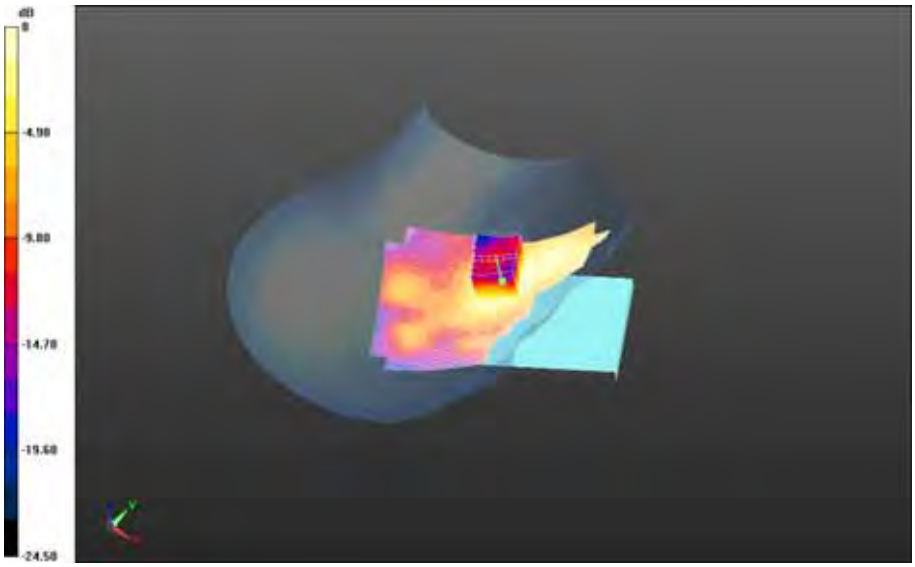
- Probe: ES3DV3 - SN3225; ConvF: (4.4,4.4,4.4); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE 7_slider closed/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_23.4C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.779 V/m; **Power Drift = 0.112 dB**

**Fast SAR: SAR(1g) = 0.150 W/kg; SAR(10g) = 0.0784 W/kg**
Maximum value of SAR (interpolated) = 0.195 W/kg

**Right-Hand-Side HSL - LTE 7_slider closed/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_23.4C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.779 V/m; **Power Drift = 0.112 dB**

**Averaged SAR: SAR(1g) = 0.152 W/kg; SAR(10g) = 0.0823 W/kg**
Maximum value of SAR (interpolated) = 0.258 W/kg



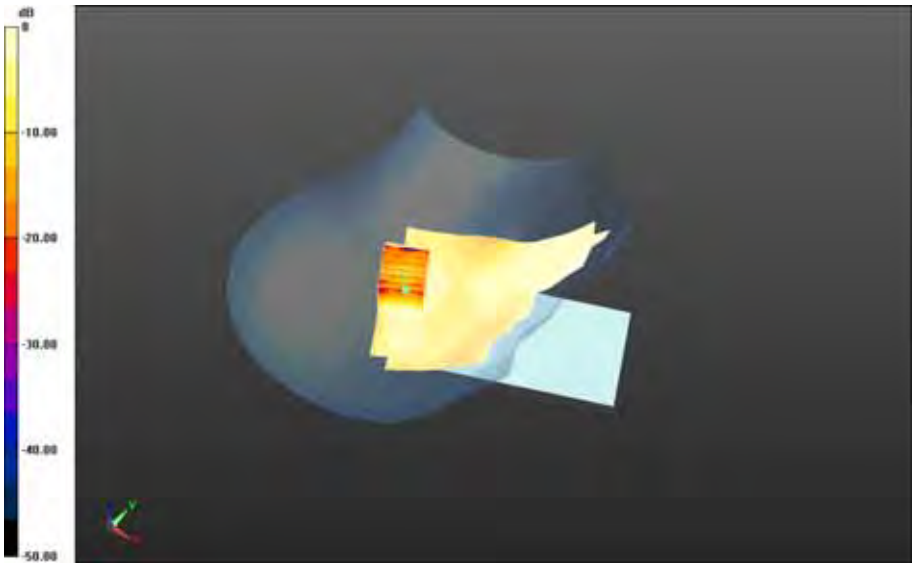

0 dB = 0.188 W/kg = -7.26 dBW/kg

**Right-Hand-Side HSL - LTE 7_slider closed/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_23.3C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.002 V/m; **Power Drift = -0.065 dB**

**Fast SAR: SAR(1g) = 0.0876 W/kg; SAR(10g) = 0.0428 W/kg**
Maximum value of SAR (interpolated) = 0.115 W/kg

**Right-Hand-Side HSL - LTE 7_slider closed/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_23.3C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.002 V/m; **Power Drift = -0.065 dB**

**Averaged SAR: SAR(1g) = 0.0843 W/kg; SAR(10g) = 0.0429 W/kg**
Maximum value of SAR (interpolated) = 0.151 W/kg




0 dB = 0.107 W/kg = -9.71 dBW/kg

Date: 7/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.835 S/m; $\varepsilon_r$ = 38.205; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

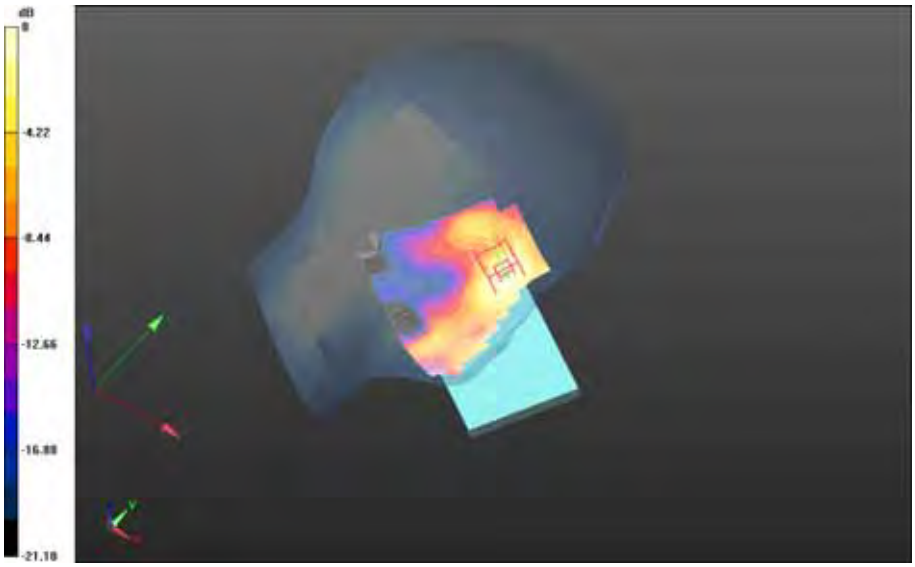
- Probe: ES3DV3 - SN3225; ConvF: (4.4,4.4,4.4); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE 7_slider closed/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.860 V/m; **Power Drift = 0.024 dB**

**Fast SAR: SAR(1g) = 0.105 W/kg; SAR(10g) = 0.0552 W/kg**
Maximum value of SAR (interpolated) = 0.137 W/kg

**Left-Hand-Side HSL - LTE 7_slider closed/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.2C/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 = 0.024 dB**

**Averaged SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0588 W/kg**
Maximum value of SAR (interpolated) = 0.185 W/kg



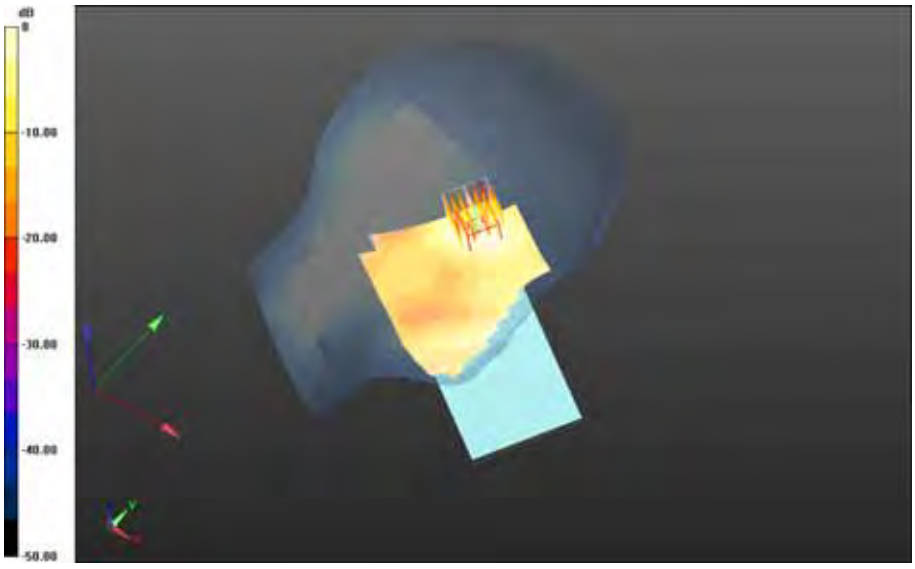

0 dB = 0.132 W/kg = -8.79 dBW/kg

**Left-Hand-Side HSL - LTE 7_slider closed/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.762 V/m; **Power Drift = 0.000254 dB**

**Fast SAR: SAR(1g) = 0.118 W/kg; SAR(10g) = 0.0608 W/kg**
Maximum value of SAR (interpolated) = 0.177 W/kg

**Left-Hand-Side HSL - LTE 7_slider closed/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.1C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.762 V/m; **Power Drift = 0.000254 dB**

**Averaged SAR: SAR(1g) = 0.129 W/kg; SAR(10g) = 0.0641 W/kg**
Maximum value of SAR (interpolated) = 0.245 W/kg




0 dB = 0.162 W/kg = -7.90 dBW/kg

Date: 7/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.835 S/m; $\varepsilon_r$ = 38.205; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

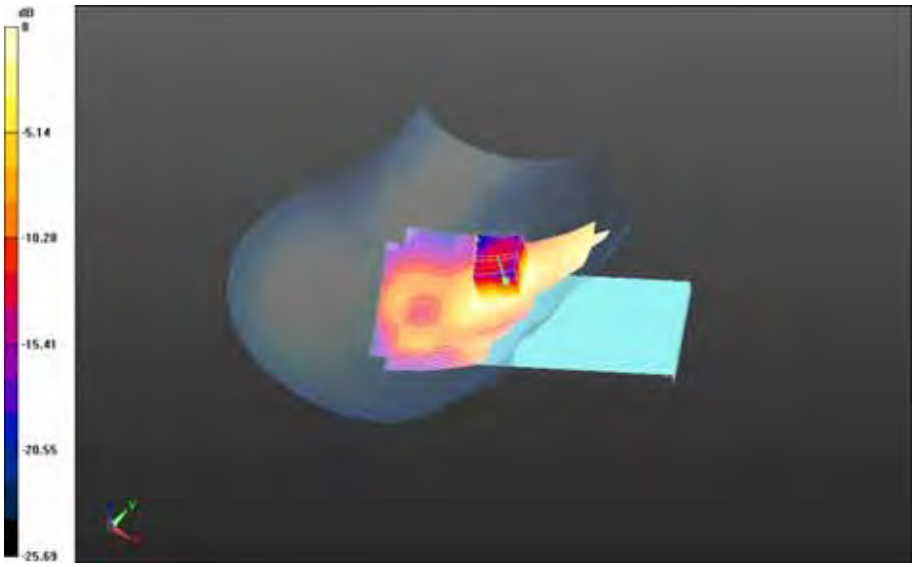
- Probe: ES3DV3 - SN3225; ConvF: (4.4,4.4,4.4); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.3C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.386 V/m; **Power Drift = 0.142 dB**

**Fast SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.133 W/kg**
Maximum value of SAR (interpolated) = 0.342 W/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.3C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.386 V/m; **Power Drift = 0.142 dB**

**Averaged SAR: SAR(1g) = 0.264 W/kg; SAR(10g) = 0.141 W/kg**
Maximum value of SAR (interpolated) = 0.456 W/kg



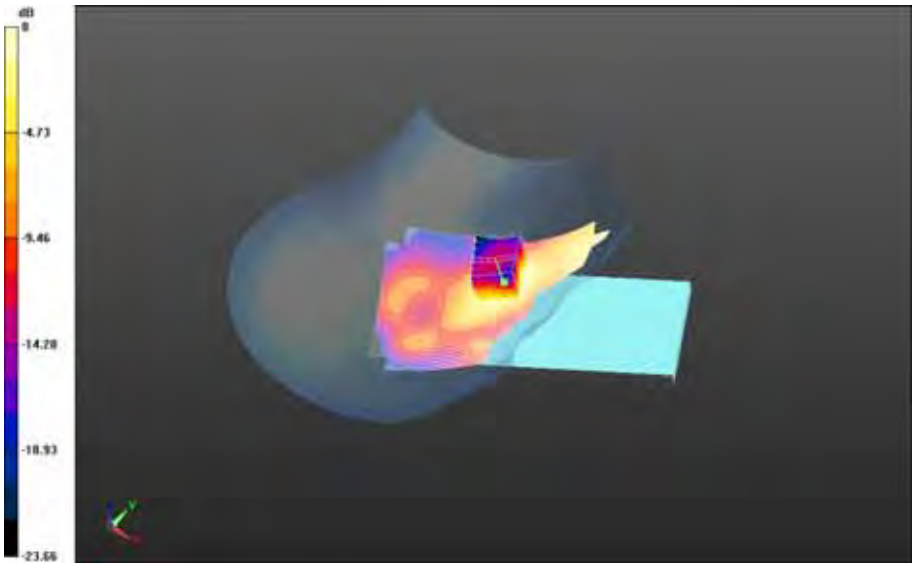

0 dB = 0.325 W/kg = -4.88 dBW/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_23.3C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.387 V/m; **Power Drift = -0.071 dB**

**Fast SAR: SAR(1g) = 0.235 W/kg; SAR(10g) = 0.120 W/kg**
Maximum value of SAR (interpolated) = 0.309 W/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_23.3C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.387 V/m; **Power Drift = -0.071 dB**

**Averaged SAR: SAR(1g) = 0.244 W/kg; SAR(10g) = 0.129 W/kg**
Maximum value of SAR (interpolated) = 0.428 W/kg



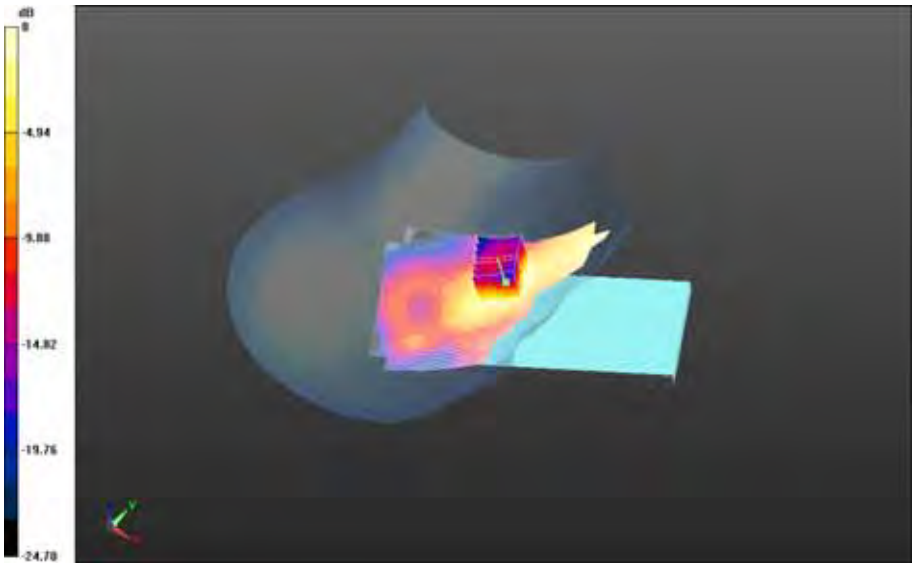

0 dB = 0.310 W/kg = -5.09 dBW/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_23.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.252 V/m; **Power Drift = 0.172 dB**

**Fast SAR: SAR(1g) = 0.209 W/kg; SAR(10g) = 0.106 W/kg**
Maximum value of SAR (interpolated) = 0.274 W/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_23.2C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.252 V/m; **Power Drift = 0.172 dB**

**Averaged SAR: SAR(1g) = 0.212 W/kg; SAR(10g) = 0.112 W/kg**
Maximum value of SAR (interpolated) = 0.372 W/kg



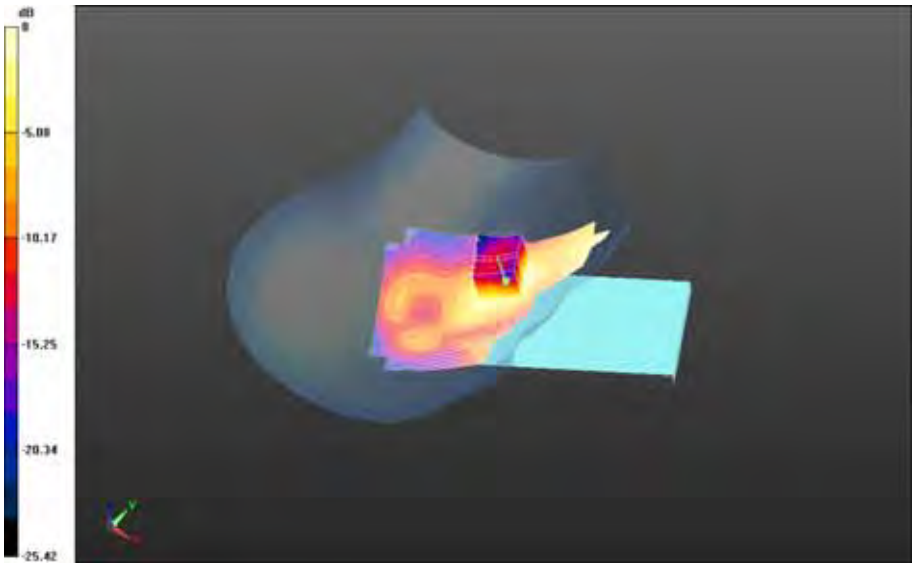

0 dB = 0.267 W/kg = -5.73 dBW/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_23.2C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.152 V/m; **Power Drift = -0.116 dB**

**Fast SAR: SAR(1g) = 0.203 W/kg; SAR(10g) = 0.104 W/kg**
Maximum value of SAR (interpolated) = 0.266 W/kg

**Right-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_23.2C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.152 V/m; **Power Drift = -0.116 dB**

**Averaged SAR: SAR(1g) = 0.205 W/kg; SAR(10g) = 0.110 W/kg**
Maximum value of SAR (interpolated) = 0.360 W/kg



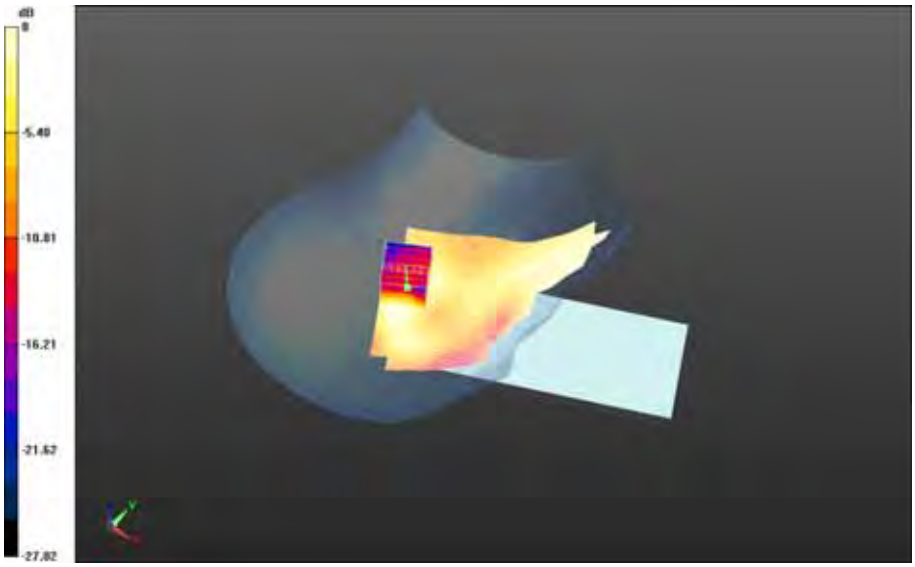

0 dB = 0.258 W/kg = -5.88 dBW/kg

**Right-Hand-Side HSL - LTE 7_slider open/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_23.3C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 7.148 V/m; **Power Drift = 0.011 dB**

**Fast SAR: SAR(1g) = 0.0848 W/kg; SAR(10g) = 0.0447 W/kg**
Maximum value of SAR (interpolated) = 0.107 W/kg

**Right-Hand-Side HSL - LTE 7_slider open/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_23.3C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 7.148 V/m; **Power Drift = 0.011 dB**

**Averaged SAR: SAR(1g) = 0.0844 W/kg; SAR(10g) = 0.0455 W/kg**
Maximum value of SAR (interpolated) = 0.158 W/kg




0 dB = 0.104 W/kg = -9.83 dBW/kg

Date: 7/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.835 S/m; $\varepsilon_r$ = 38.205; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

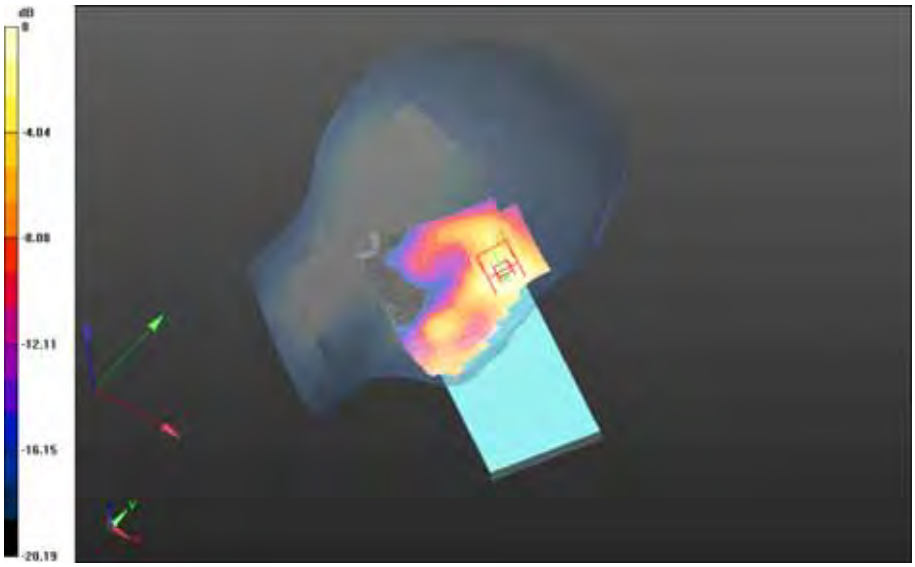
- Probe: ES3DV3 - SN3225; ConvF: (4.4,4.4,4.4); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.1C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.924 V/m; **Power Drift = -0.00136 dB**

**Fast SAR: SAR(1g) = 0.152 W/kg; SAR(10g) = 0.0806 W/kg**
Maximum value of SAR (interpolated) = 0.197 W/kg

**Left-Hand-Side HSL - LTE 7_slider open/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_23.1C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.924 V/m; **Power Drift = -0.00136 dB**

**Averaged SAR: SAR(1g) = 0.154 W/kg; SAR(10g) = 0.0856 W/kg**
Maximum value of SAR (interpolated) = 0.261 W/kg



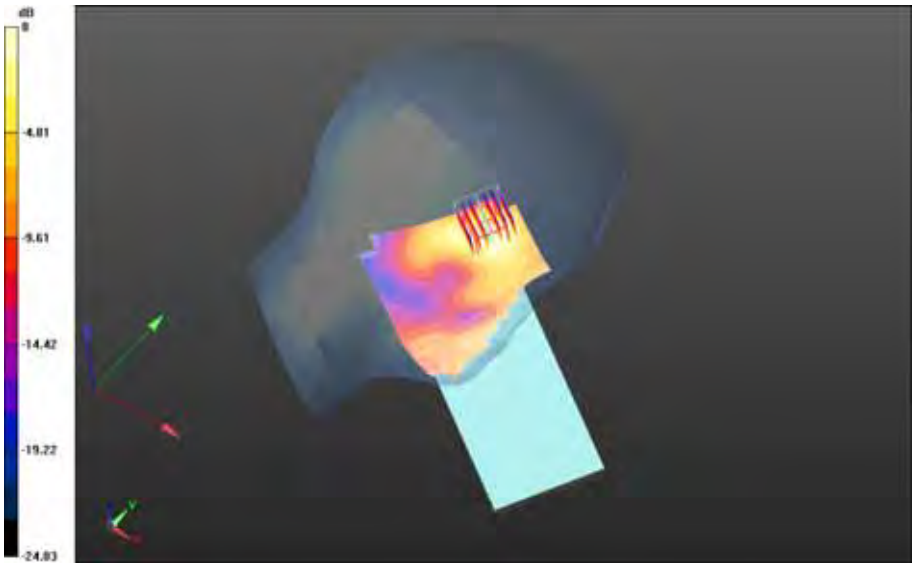

0 dB = 0.188 W/kg = -7.26 dBW/kg

**Left-Hand-Side HSL - LTE 7_slider open/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.946 V/m; **Power Drift = 0.037 dB**

**Fast SAR: SAR(1g) = 0.139 W/kg; SAR(10g) = 0.0701 W/kg**
Maximum value of SAR (interpolated) = 0.182 W/kg

**Left-Hand-Side HSL - LTE 7_slider open/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.946 V/m; **Power Drift = 0.037 dB**

**Averaged SAR: SAR(1g) = 0.143 W/kg; SAR(10g) = 0.0752 W/kg**
Maximum value of SAR (interpolated) = 0.254 W/kg




0 dB = 0.174 W/kg = -7.59 dBW/kg

Date: 8/4/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - LTE 7_slider closed

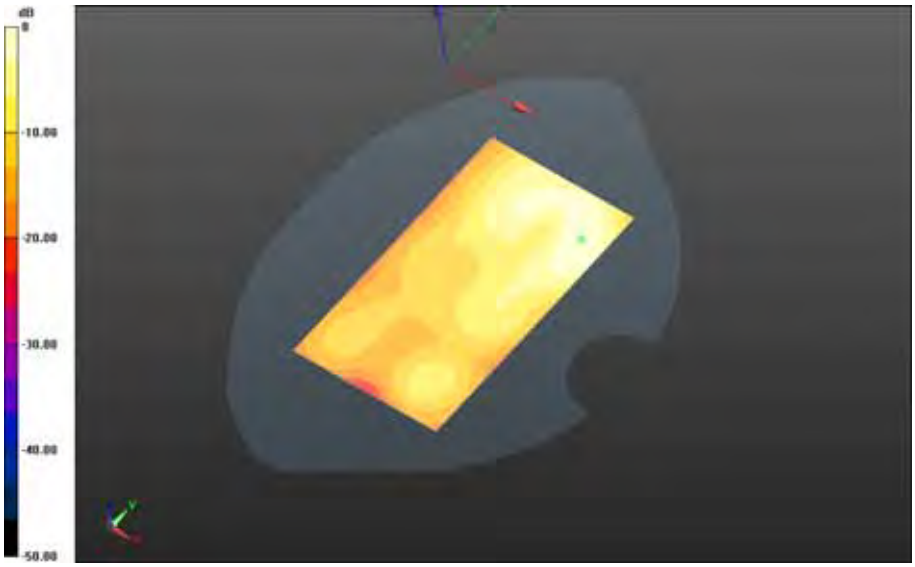
Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 2.089 S/m; $\varepsilon_r$ = 50.946; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.06,4.06,4.06); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (101x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.327 V/m; **Power Drift = -0.118 dB**

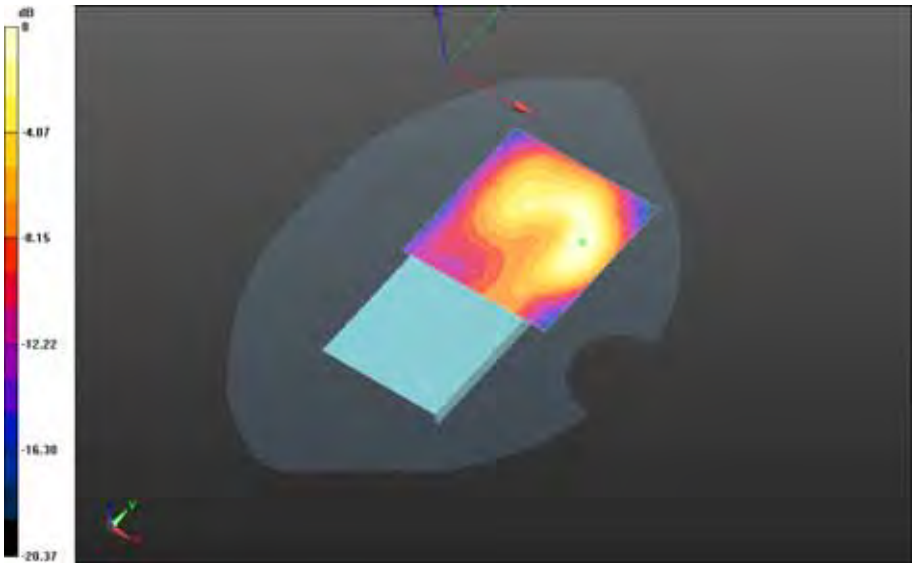
**Fast SAR: SAR(1g) = 0.446 W/kg; SAR(10g) = 0.224 W/kg**
Maximum value of SAR (interpolated) = 0.585 W/kg




0 dB = 0.585 W/kg = -2.33 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.271 V/m; **Power Drift = 0.017 dB**

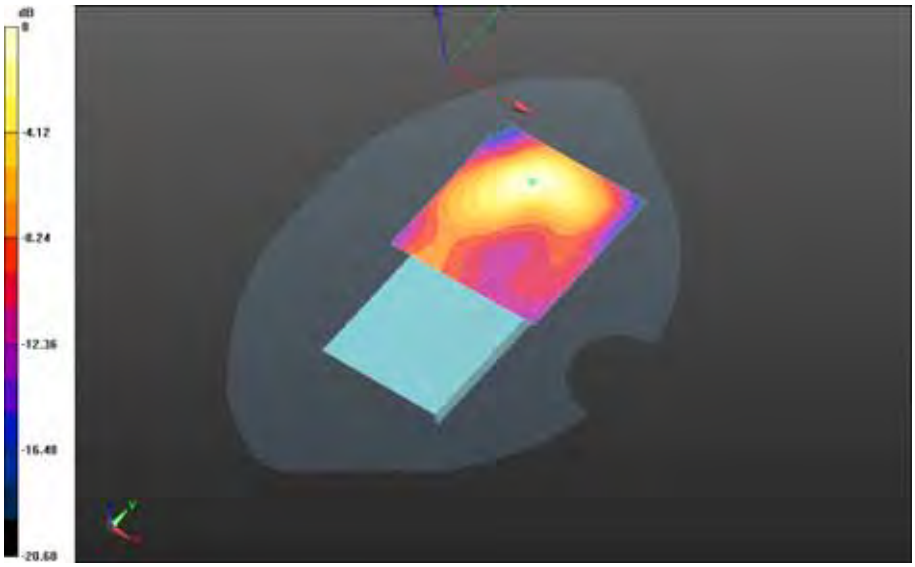
**Fast SAR: SAR(1g) = 0.419 W/kg; SAR(10g) = 0.211 W/kg**
Maximum value of SAR (interpolated) = 0.551 W/kg




0 dB = 0.551 W/kg = -2.59 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_22.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.809 V/m; **Power Drift = -0.113 dB**

**Fast SAR: SAR(1g) = 0.329 W/kg; SAR(10g) = 0.163 W/kg**
Maximum value of SAR (interpolated) = 0.431 W/kg




0 dB = 0.431 W/kg = -3.66 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Left - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.302 V/m; **Power Drift = -0.143 dB**

**Fast SAR: SAR(1g) = 0.0638 W/kg; SAR(10g) = 0.0350 W/kg**
Maximum value of SAR (interpolated) = 0.0792 W/kg


0 dB = 0.0792 W/kg = -11.01 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Right - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.269 V/m; **Power Drift = 0.162 dB**

**Fast SAR: SAR(1g) = 0.327 W/kg; SAR(10g) = 0.162 W/kg**
Maximum value of SAR (interpolated) = 0.439 W/kg


0 dB = 0.439 W/kg = -3.58 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider closed/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 15.829 V/m; **Power Drift = 0.023 dB**

**Fast SAR: SAR(1g) = 0.598 W/kg; SAR(10g) = 0.284 W/kg**
Maximum value of SAR (interpolated) = 0.815 W/kg


0 dB = 0.815 W/kg = -0.89 dBW/kg

Date: 8/4/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - LTE 7_slider open

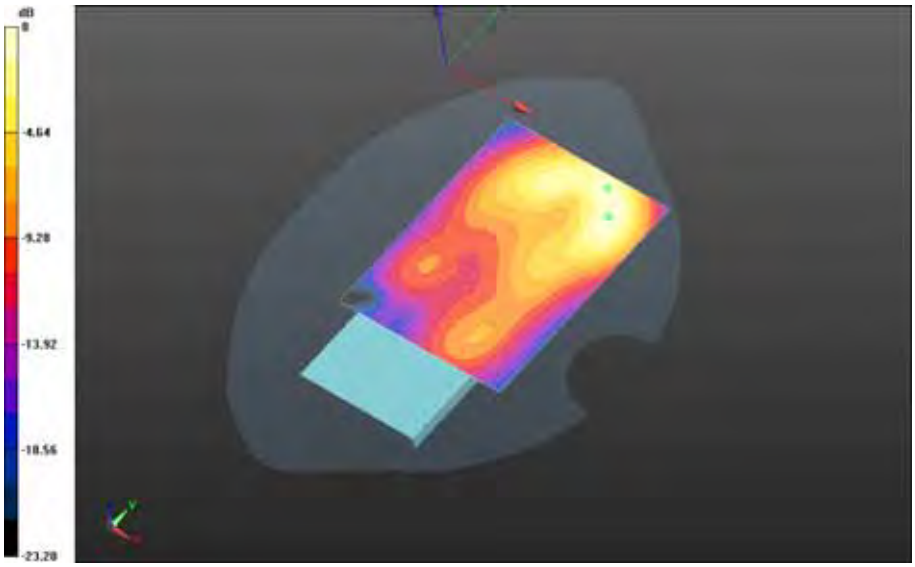
Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 2.089 S/m; $\varepsilon_r$ = 50.946; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.06,4.06,4.06); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_22.7C/Area Scan (91x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.104 V/m; **Power Drift = -0.123 dB**

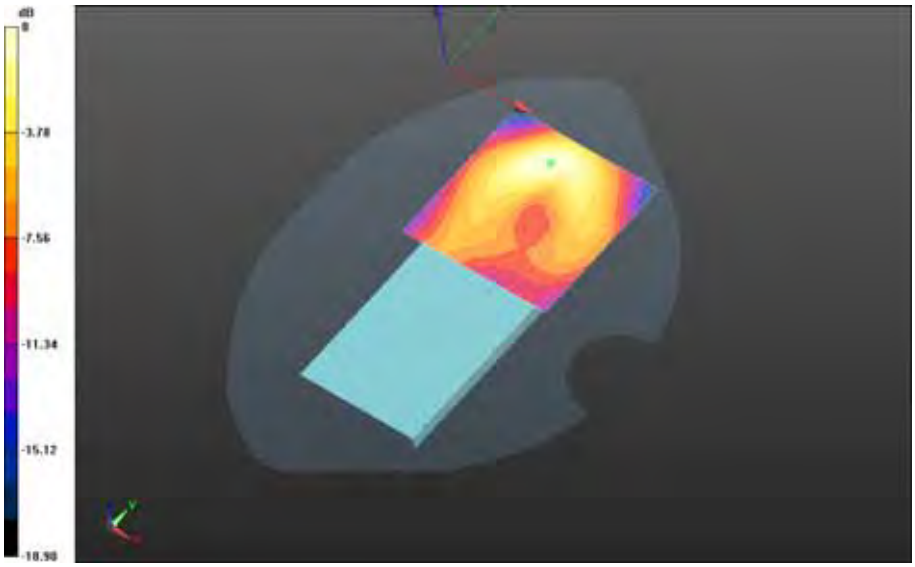
**Fast SAR: SAR(1g) = 0.523 W/kg; SAR(10g) = 0.263 W/kg**
Maximum value of SAR (interpolated) = 0.678 W/kg




0 dB = 0.678 W/kg = -1.69 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.863 V/m; **Power Drift = -0.047 dB**

**Fast SAR: SAR(1g) = 0.461 W/kg; SAR(10g) = 0.236 W/kg**
Maximum value of SAR (interpolated) = 0.599 W/kg




0 dB = 0.599 W/kg = -2.23 dBW/kg

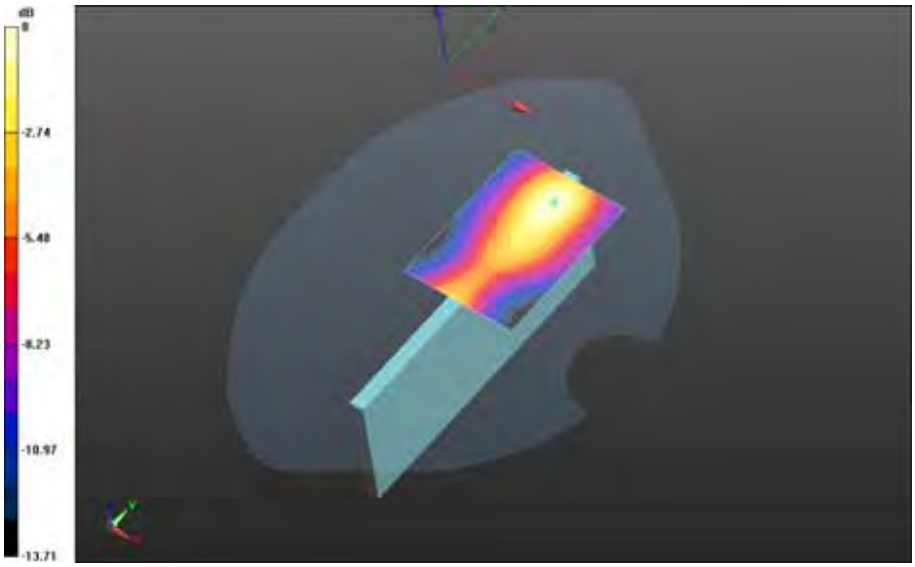
**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Left - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.6C_liq_temp_21.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 7.699 V/m; **Power Drift = -0.054 dB**

**Fast SAR: SAR(1g) = 0.226 W/kg; SAR(10g) = 0.127 W/kg**
Maximum value of SAR (interpolated) = 0.279 W/kg


0 dB = 0.279 W/kg = -5.54 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Right - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_21.4C/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.931 V/m; **Power Drift = -0.055 dB**

**Fast SAR: SAR(1g) = 0.328 W/kg; SAR(10g) = 0.170 W/kg**
Maximum value of SAR (interpolated) = 0.429 W/kg



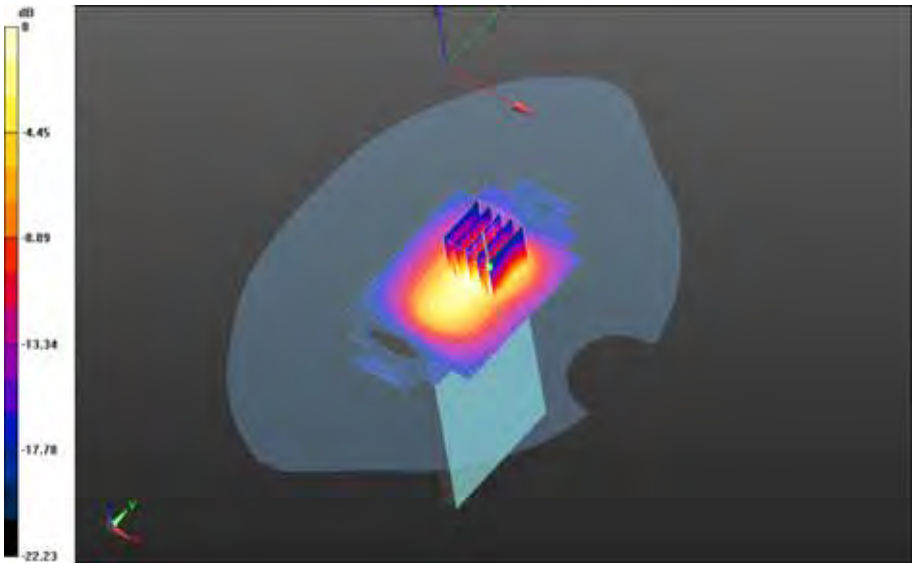

0 dB = 0.429 W/kg = -3.68 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 18.814 V/m; **Power Drift = -0.024 dB**

**Fast SAR: SAR(1g) = 0.826 W/kg; SAR(10g) = 0.400 W/kg**
Maximum value of SAR (interpolated) = 1.07 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 18.814 V/m; **Power Drift = -0.024 dB**

**Averaged SAR: SAR(1g) = 0.811 W/kg; SAR(10g) = 0.396 W/kg**
Maximum value of SAR (interpolated) = 1.60 W/kg




0 dB = 0.905 W/kg = -0.43 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 19.849 V/m; **Power Drift = -0.066 dB**

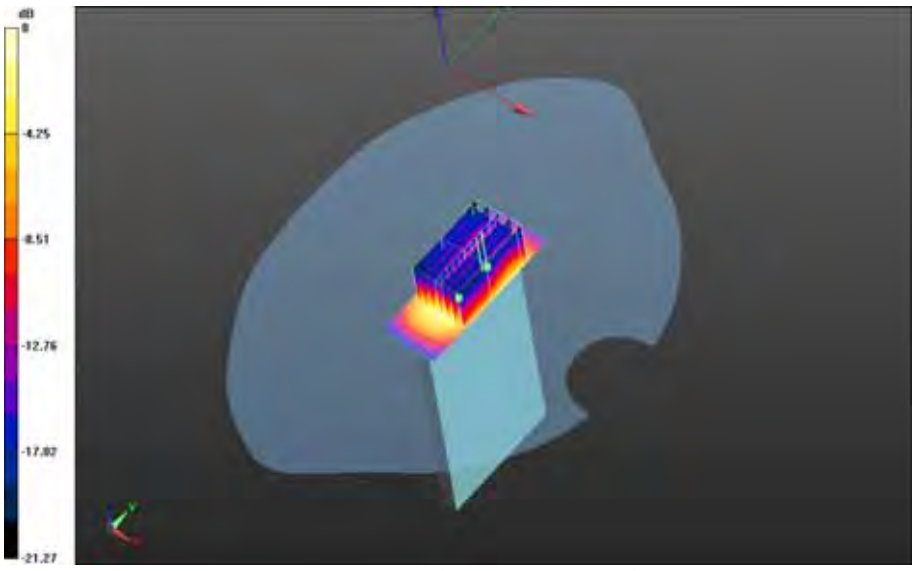
**Fast SAR: SAR(1g) = 0.894 W/kg; SAR(10g) = 0.441 W/kg**
Maximum value of SAR (interpolated) = 1.16 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 19.849 V/m; **Power Drift = -0.066 dB**

**Averaged SAR: SAR(1g) = 0.911 W/kg; SAR(10g) = 0.446 W/kg**
Maximum value of SAR (interpolated) = 1.83 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Zoom Scan 2 (31x51x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 19.849 V/m; **Power Drift = 0.063 dB**

**Averaged SAR: SAR(1g) = 0.865 W/kg; SAR(10g) = 0.427 W/kg**
Maximum value of SAR (interpolated) = 1.71 W/kg




0 dB = 0.961 W/kg = -0.17 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.8C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 20.160 V/m; **Power Drift = 0.0018 dB**

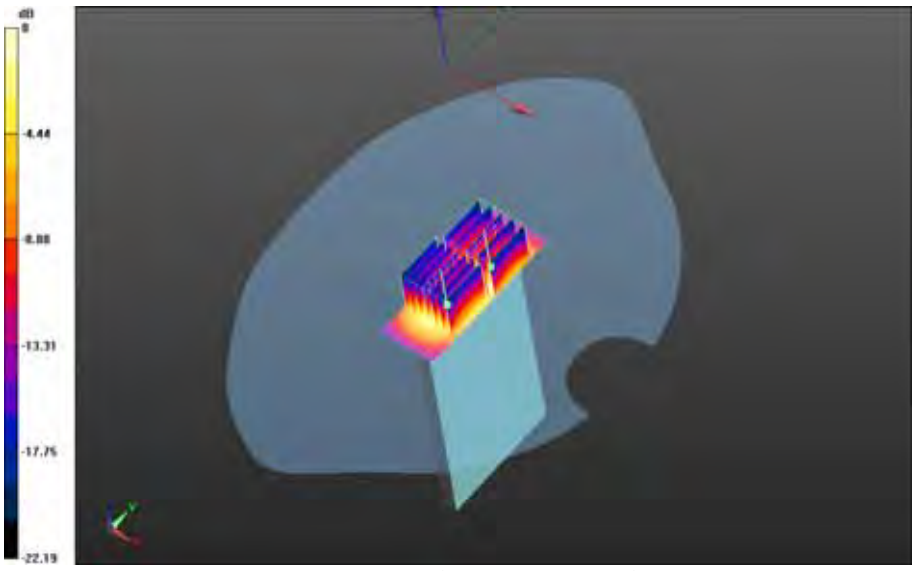
**Fast SAR: SAR(1g) = 0.879 W/kg; SAR(10g) = 0.430 W/kg; Secondary SAR(1g) = 0.750 W/kg**
Maximum value of SAR (interpolated) = 1.17 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.8C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 20.160 V/m; **Power Drift = 0.0018 dB**

**Averaged SAR: SAR(1g) = 0.909 W/kg; SAR(10g) = 0.438 W/kg**
Maximum value of SAR (interpolated) = 1.91 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.8C/Zoom Scan 2 (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 20.160 V/m; **Power Drift = 0.066 dB**

**Averaged SAR: SAR(1g) = 0.757 W/kg; SAR(10g) = 0.379 W/kg**
Maximum value of SAR (interpolated) = 1.55 W/kg



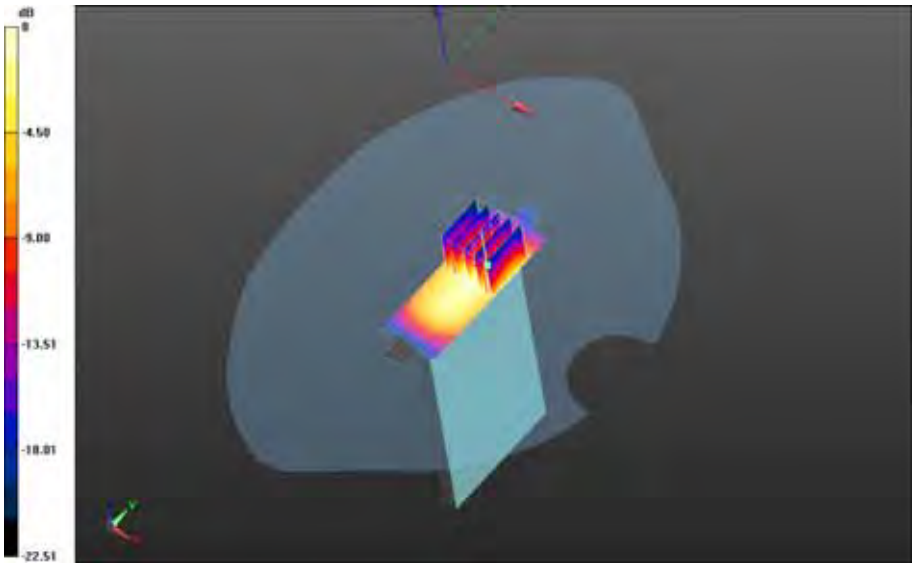

0 dB = 0.853 W/kg = -0.69 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 18.755 V/m; **Power Drift = -0.038 dB**

**Fast SAR: SAR(1g) = 0.820 W/kg; SAR(10g) = 0.400 W/kg; Secondary SAR(1g) = 0.750 W/kg**
Maximum value of SAR (interpolated) = 1.10 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 18.755 V/m; **Power Drift = -0.038 dB**

**Averaged SAR: SAR(1g) = 0.819 W/kg; SAR(10g) = 0.397 W/kg**
Maximum value of SAR (interpolated) = 1.66 W/kg



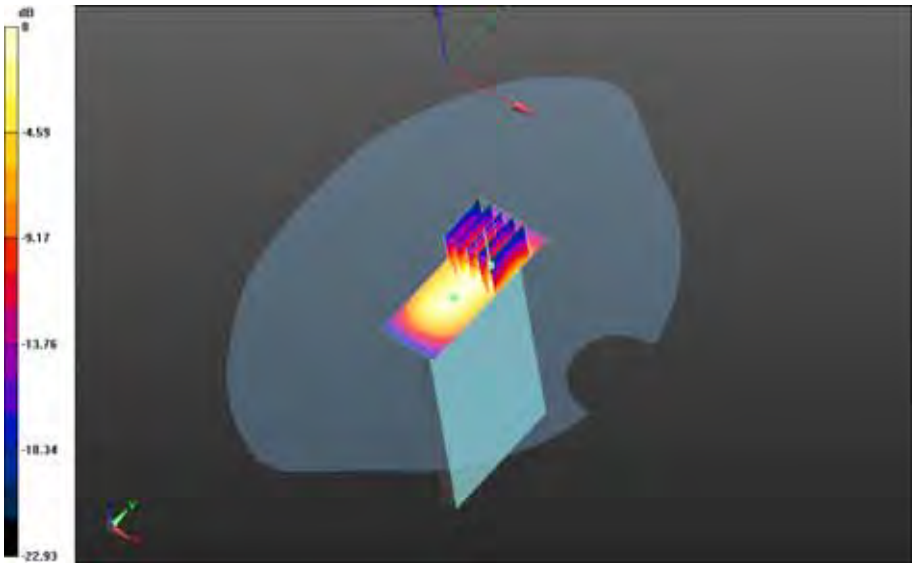

0 dB = 0.920 W/kg = -0.36 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 20.652 V/m; **Power Drift = -0.025 dB**

**Fast SAR: SAR(1g) = 0.929 W/kg; SAR(10g) = 0.454 W/kg; Secondary SAR(1g) = 0.684 W/kg**
Maximum value of SAR (interpolated) = 1.23 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 20.652 V/m; **Power Drift = -0.025 dB**

**Averaged SAR: SAR(1g) = 0.957 W/kg; SAR(10g) = 0.463 W/kg**
Maximum value of SAR (interpolated) = 1.95 W/kg



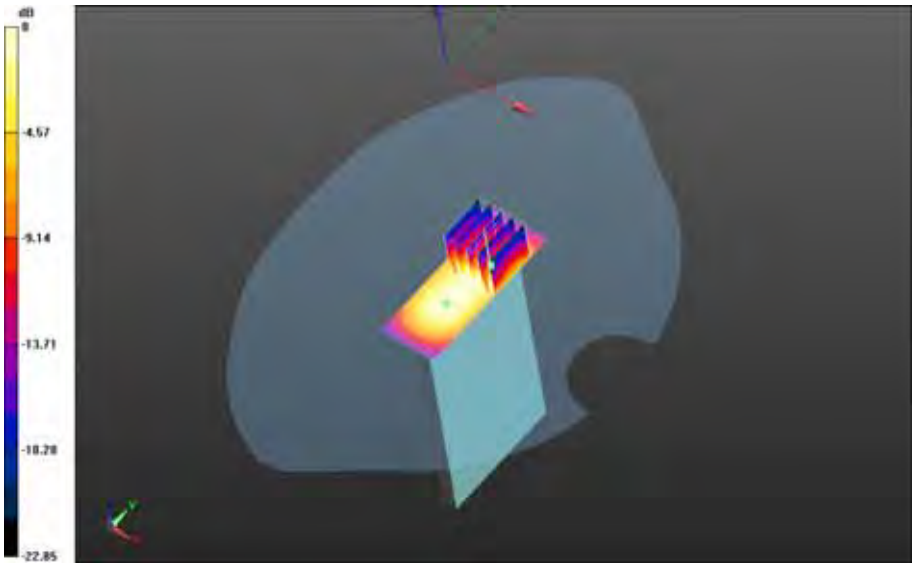

0 dB = 1.06 W/kg = 0.25 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_22.8C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 20.095 V/m; **Power Drift = 0.00677 dB**

**Fast SAR: SAR(1g) = 0.871 W/kg; SAR(10g) = 0.426 W/kg; Secondary SAR(1g) = 0.732 W/kg**
Maximum value of SAR (interpolated) = 1.16 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_22.8C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 20.095 V/m; **Power Drift = 0.00677 dB**

**Averaged SAR: SAR(1g) = 0.888 W/kg; SAR(10g) = 0.430 W/kg**
Maximum value of SAR (interpolated) = 1.83 W/kg



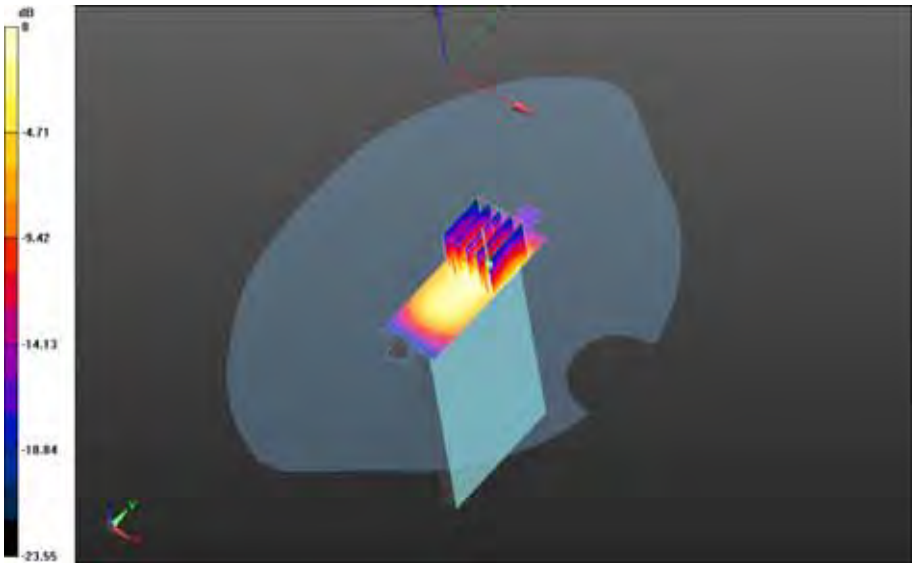

0 dB = 0.992 W/kg = -0.03 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 19.001 V/m; **Power Drift = 0.016 dB**

**Fast SAR: SAR(1g) = 0.838 W/kg; SAR(10g) = 0.407 W/kg; Secondary SAR(1g) = 0.732 W/kg**
Maximum value of SAR (interpolated) = 1.14 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 19.001 V/m; **Power Drift = 0.016 dB**

**Averaged SAR: SAR(1g) = 0.856 W/kg; SAR(10g) = 0.412 W/kg**
Maximum value of SAR (interpolated) = 1.74 W/kg




0 dB = 0.952 W/kg = -0.21 dBW/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_16QAM_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.7C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 19.439 V/m; **Power Drift = -0.031 dB**

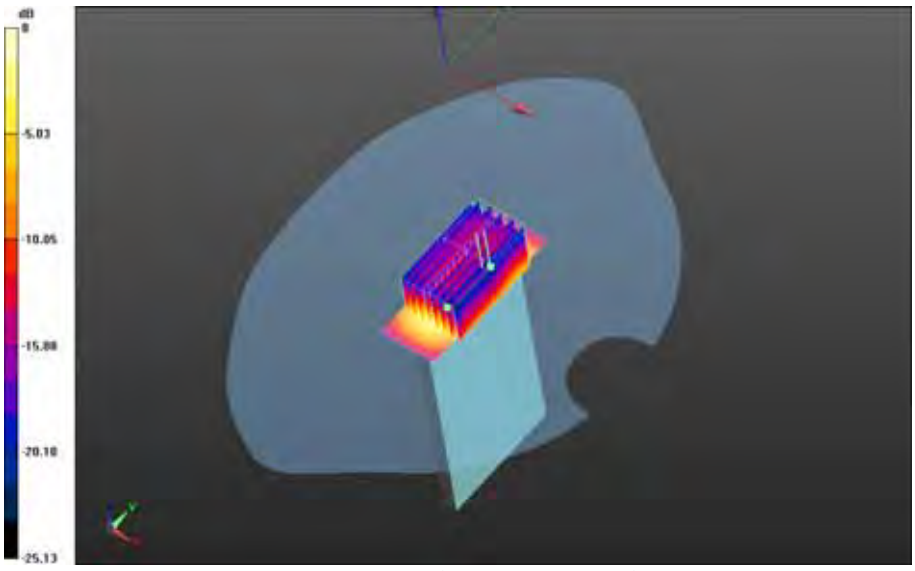
**Fast SAR: SAR(1g) = 0.874 W/kg; SAR(10g) = 0.427 W/kg; Secondary SAR(1g) = 0.670 W/kg**
Maximum value of SAR (interpolated) = 1.14 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_16QAM_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.7C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 19.439 V/m; **Power Drift = -0.031 dB**

**Averaged SAR: SAR(1g) = 0.883 W/kg; SAR(10g) = 0.428 W/kg**
Maximum value of SAR (interpolated) = 1.80 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/10mm Device Bottom - LTE band 7_16QAM_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.7C/Zoom Scan 2 (36x61x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 19.439 V/m; **Power Drift = 0.031 dB**

**Averaged SAR: SAR(1g) = 0.882 W/kg; SAR(10g) = 0.426 W/kg**
Maximum value of SAR (interpolated) = 1.79 W/kg




0 dB = 0.967 W/kg = -0.15 dBW/kg

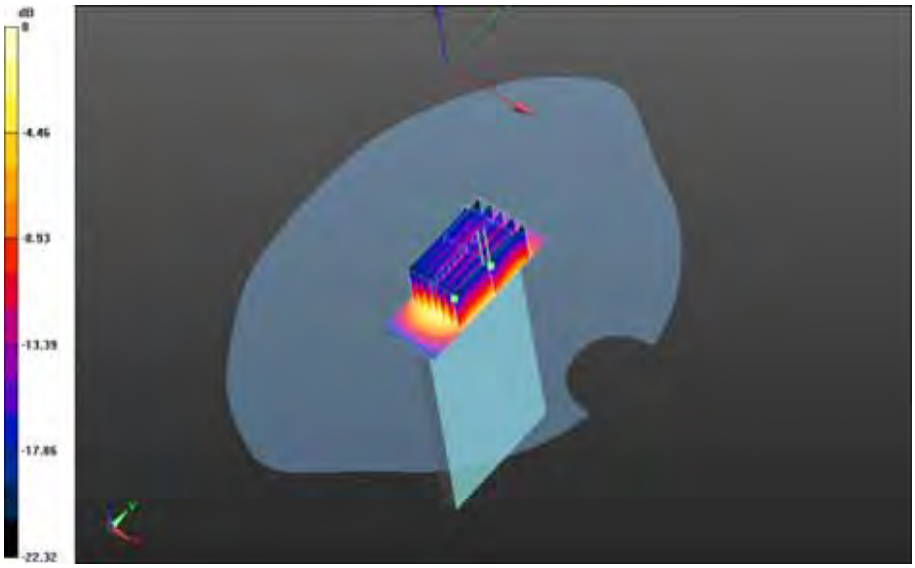
**Mobile Hot Spot MSL - LTE 7_slider open/2nd Scan 10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 20.437 V/m; **Power Drift = -0.030 dB**

**Fast SAR: SAR(1g) = 0.937 W/kg; SAR(10g) = 0.455 W/kg; Secondary SAR(1g) = 0.670 W/kg**
Maximum value of SAR (interpolated) = 1.24 W/kg

**Mobile Hot Spot MSL - LTE 7_slider open/2nd Scan 10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 20.437 V/m; **Power Drift = -0.030 dB**

**Averaged SAR: SAR(1g) = 0.957 W/kg; SAR(10g) = 0.464 W/kg**
Maximum value of SAR (interpolated) = 1.95 W/kg
**Mobile Hot Spot MSL - LTE 7_slider open/2nd Scan 10mm Device Bottom - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_22.8/Zoom Scan 2 (31x51x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 20.437 V/m; **Power Drift = -0.015 dB**

**Averaged SAR: SAR(1g) = 0.960 W/kg; SAR(10g) = 0.460 W/kg**
Maximum value of SAR (interpolated) = 1.93 W/kg




0 dB = 1.07 W/kg = 0.29 dBW/kg

Date: 7/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Body Worn MSL - LTE 7 FCC

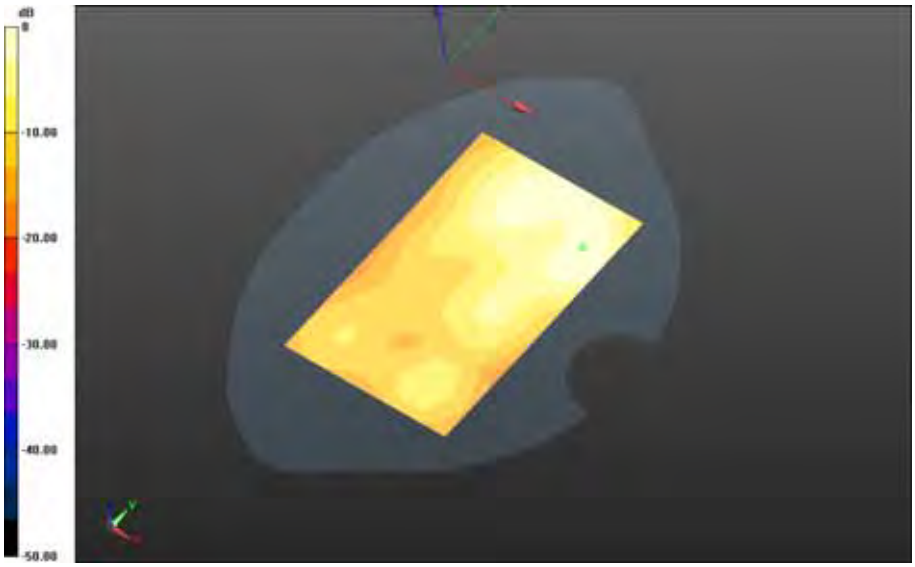
Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 2.053 S/m; $\varepsilon_r$ = 50.949; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.06,4.06,4.06); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_20.9C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.301 V/m; **Power Drift = 0.311 dB**

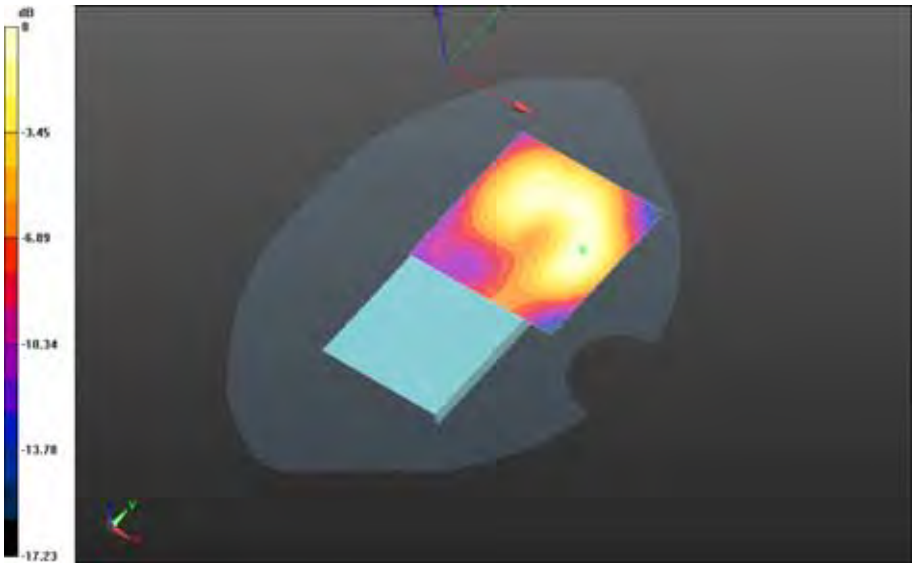
**Fast SAR: SAR(1g) = 0.407 W/kg; SAR(10g) = 0.216 W/kg**
Maximum value of SAR (interpolated) = 0.515 W/kg




0 dB = 0.515 W/kg = -2.88 dBW/kg

**Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_23.5C_liq_temp_20.9C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.340 V/m; **Power Drift = -0.055 dB**

**Fast SAR: SAR(1g) = 0.400 W/kg; SAR(10g) = 0.212 W/kg**
Maximum value of SAR (interpolated) = 0.505 W/kg



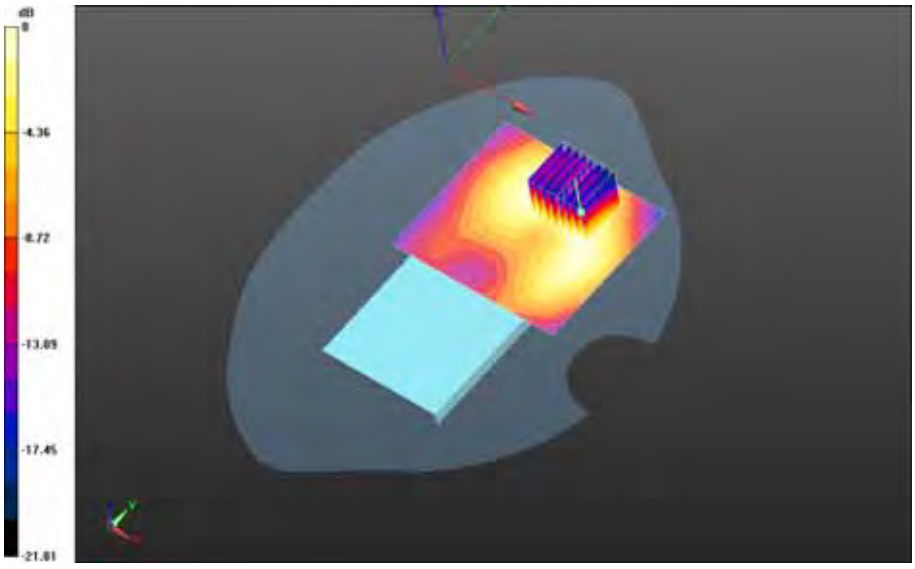

0 dB = 0.505 W/kg = -2.97 dBW/kg

**Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.9C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.517 V/m; **Power Drift = -0.181 dB**

**Fast SAR: SAR(1g) = 0.416 W/kg; SAR(10g) = 0.219 W/kg**
Maximum value of SAR (interpolated) = 0.541 W/kg

**Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.9C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.517 V/m; **Power Drift = -0.181 dB**

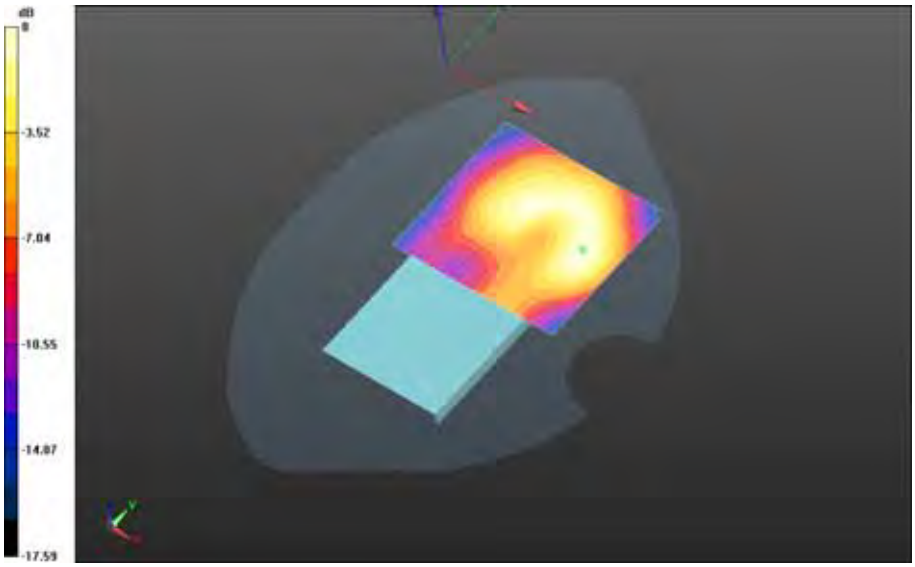
**Averaged SAR: SAR(1g) = 0.418 W/kg; SAR(10g) = 0.223 W/kg**
Maximum value of SAR (interpolated) = 0.823 W/kg




0 dB = 0.529 W/kg = -2.77 dBW/kg

**Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_23.6C_liq_temp_20.7C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.703 V/m; **Power Drift = 0.039 dB**

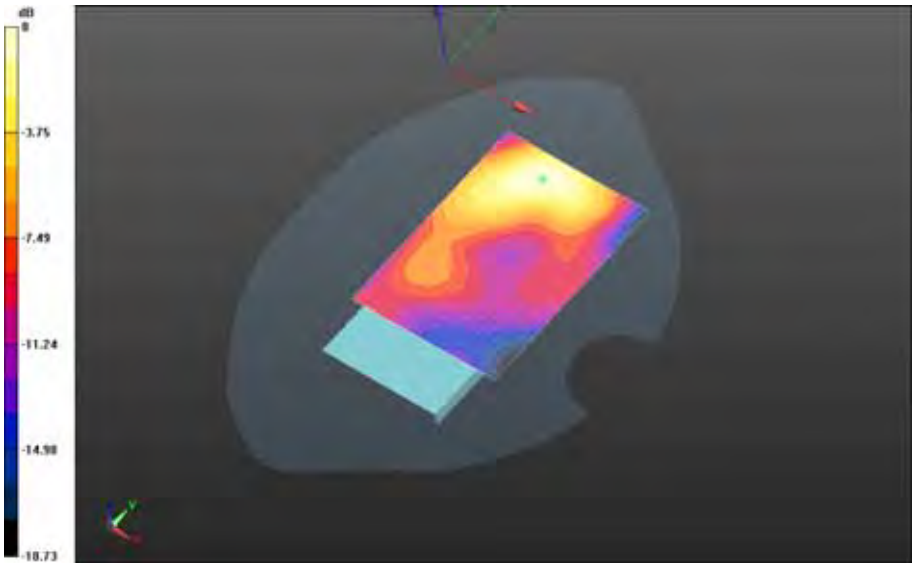
**Fast SAR: SAR(1g) = 0.290 W/kg; SAR(10g) = 0.152 W/kg**
Maximum value of SAR (interpolated) = 0.369 W/kg




0 dB = 0.369 W/kg = -4.33 dBW/kg

**Body Worn MSL - LTE 7 FCC/15mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_20.7C/Area Scan (81x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.626 V/m; **Power Drift = -0.131 dB**

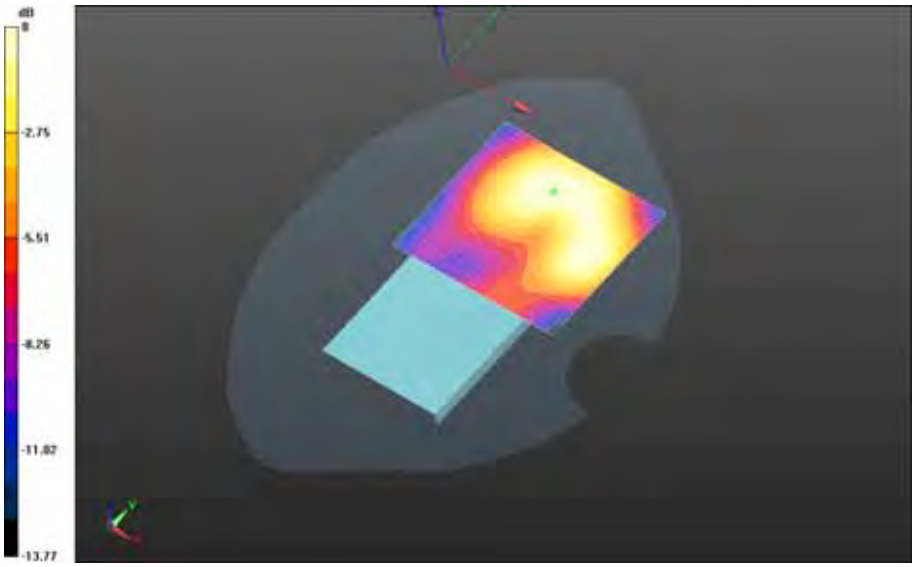
**Fast SAR: SAR(1g) = 0.331 W/kg; SAR(10g) = 0.176 W/kg**
Maximum value of SAR (interpolated) = 0.420 W/kg




0 dB = 0.420 W/kg = -3.77 dBW/kg

**Body Worn MSL - LTE 7 FCC/Holster Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_22.3/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.337 V/m; **Power Drift = -0.013 dB**

**Fast SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.133 W/kg**
Maximum value of SAR (interpolated) = 0.284 W/kg




0 dB = 0.284 W/kg = -5.47 dBW/kg

# Bluetooth

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - Bluetooth - Slider Closed

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.818 S/m; $\varepsilon_r$ = 37.458; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

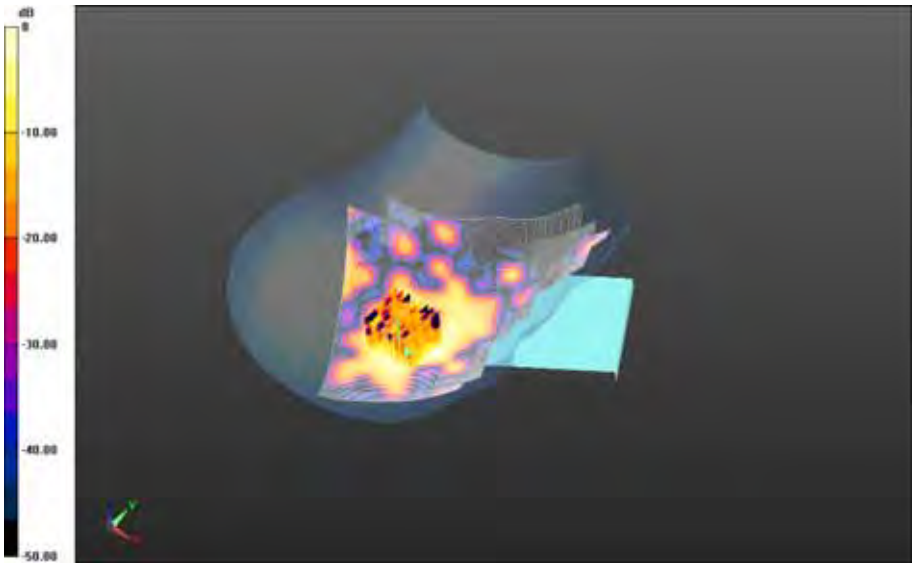
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - Bluetooth - Slider Closed/Touch Position - Bluetooth_chan39_amb_temp_22.7C_liq_temp_23.9C/Area Scan (131x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.340 V/m; **Power Drift = 0.029 dB**

**Fast SAR: SAR(1g) = 0.0116 W/kg; SAR(10g) = 0.00618 W/kg**
Maximum value of SAR (interpolated) = 0.0149 W/kg

**Right-Hand-Side HSL - Bluetooth - Slider Closed/Touch Position - Bluetooth_chan39_amb_temp_22.7C_liq_temp_23.9C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.340 V/m; **Power Drift = 0.029 dB**

**Averaged SAR: SAR(1g) = 0.0110 W/kg; SAR(10g) = 0.00523 W/kg**
Maximum value of SAR (interpolated) = 0.0197 W/kg



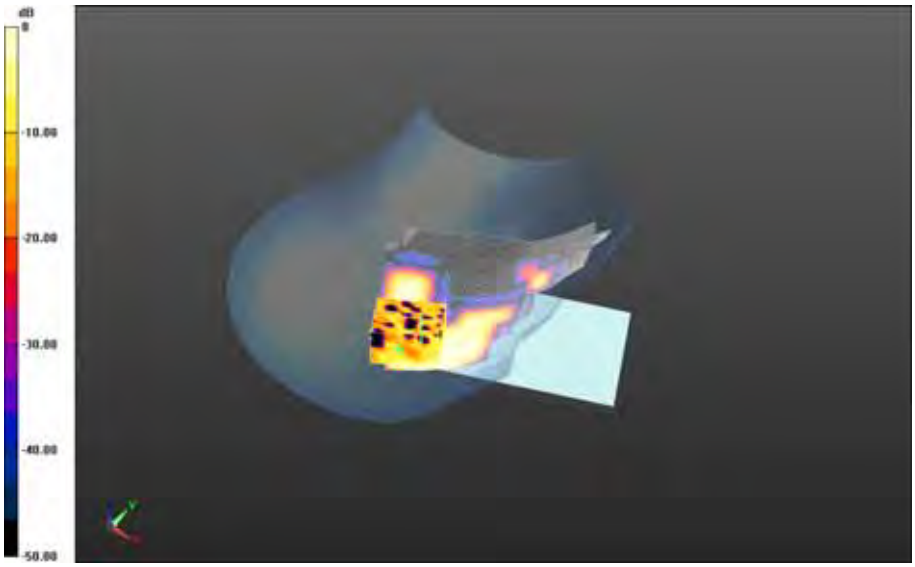

0 dB = 0.0126 W/kg = -19.00 dBW/kg

**Right-Hand-Side HSL - Bluetooth - Slider Closed/Tilt Position - Bluetooth_chan39_amb_temp_22.6C_liq_temp_23.9C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.230 V/m; **Power Drift = -0.096 dB**

**Fast SAR: SAR(1g) = 0.00409 W/kg; SAR(10g) = 0.00205 W/kg**
Maximum value of SAR (interpolated) = 0.00563 W/kg

**Right-Hand-Side HSL - Bluetooth - Slider Closed/Tilt Position - Bluetooth_chan39_amb_temp_22.6C_liq_temp_23.9C/Zoom Scan (31x46x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.230 V/m; **Power Drift = -0.096 dB**

**Averaged SAR: SAR(1g) = 0.00355 W/kg; SAR(10g) = 0.00159 W/kg**
Maximum value of SAR (interpolated) = 0.00750 W/kg




0 dB = 0.00517 W/kg = -22.87 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - Bluetooth - Slider Closed

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.818 S/m; $\varepsilon_r$ = 37.458; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

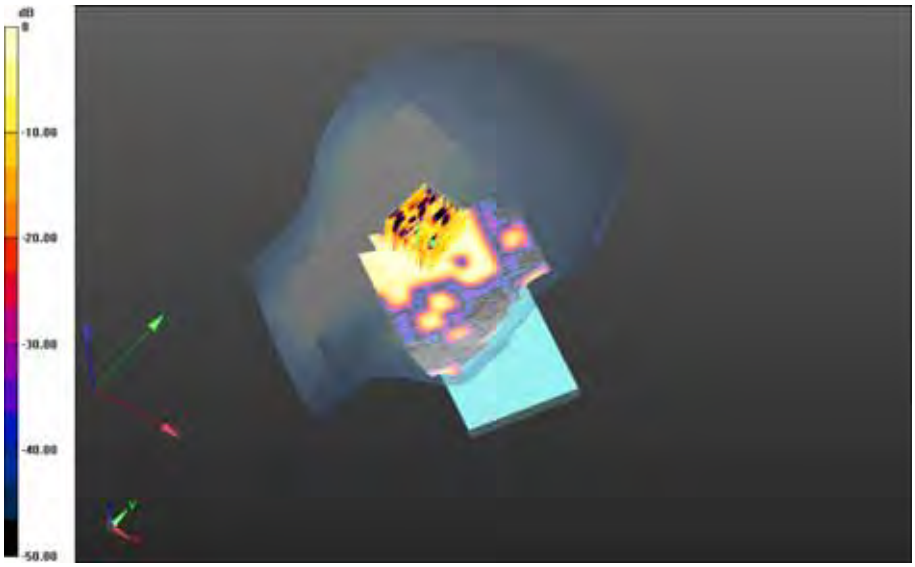
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - Bluetooth - Slider Closed/Touch Position - Bluetooth_chan39_amb_temp_23.7C_liq_temp_22.6C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.575 V/m; **Power Drift = 0.094 dB**

**Fast SAR: SAR(1g) = 0.00467 W/kg; SAR(10g) = 0.00240 W/kg**
Maximum value of SAR (interpolated) = 0.0108 W/kg

**Left-Hand-Side HSL - Bluetooth - Slider Closed/Touch Position - Bluetooth_chan39_amb_temp_23.7C_liq_temp_22.6C/Zoom Scan (36x41x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.575 V/m; **Power Drift = 0.094 dB**

**Averaged SAR: SAR(1g) = 0.00427 W/kg; SAR(10g) = 0.00200 W/kg**
Maximum value of SAR (interpolated) = 0.0173 W/kg




0 dB = 0.00526 W/kg = -22.79 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - Bluetooth - Slider Open

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.818 S/m; $\varepsilon_r$ = 37.458; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

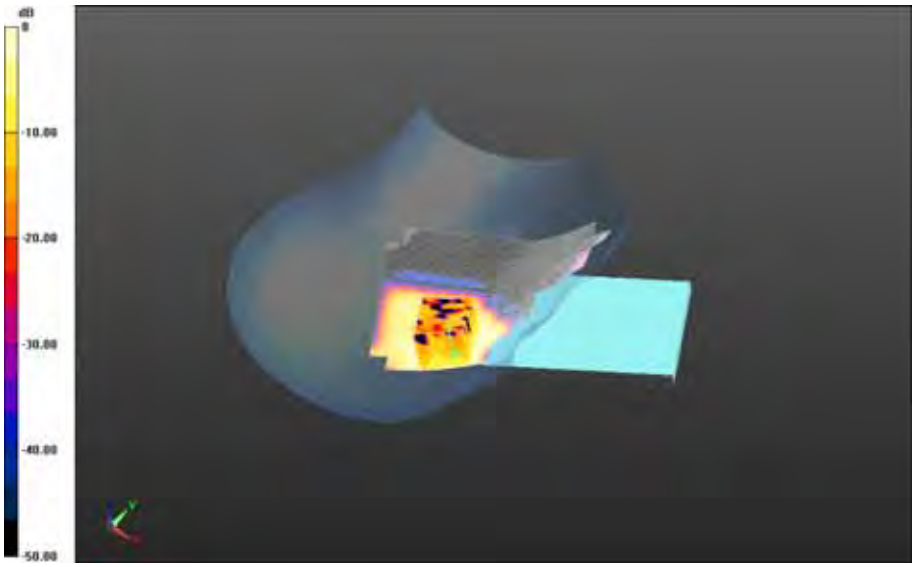
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - Bluetooth - Slider Open/Touch Position - Bluetooth_chan39_amb_temp_23.7C_liq_temp_22.7C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.497 V/m; **Power Drift = -0.056 dB**

**Fast SAR: SAR(1g) = 0.00854 W/kg; SAR(10g) = 0.00446 W/kg**
Maximum value of SAR (interpolated) = 0.0106 W/kg

**Right-Hand-Side HSL - Bluetooth - Slider Open/Touch Position - Bluetooth_chan39_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 0.497 V/m; **Power Drift = -0.056 dB**

**Averaged SAR: SAR(1g) = 0.00894 W/kg; SAR(10g) = 0.00437 W/kg**
Maximum value of SAR (interpolated) = 0.0187 W/kg




0 dB = 0.0114 W/kg = -19.43 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - Bluetooth - Slider Closed

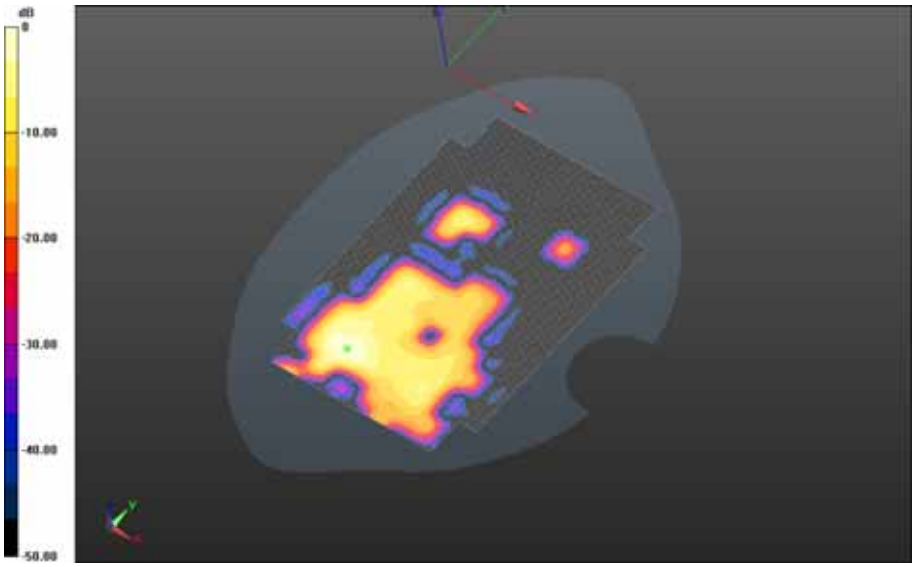
Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 2.007 S/m; $\varepsilon_r$ = 50.608; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - Bluetooth - Slider Closed/10mm Device Back - Bluetooth_chan39_amb_temp_24.1C_liq_temp_22.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.325 V/m; **Power Drift = -0.153 dB**

**Fast SAR: SAR(1g) = 0.0172 W/kg; SAR(10g) = 0.00735 W/kg**
Maximum value of SAR (interpolated) = 0.0304 W/kg




0 dB = 0.0304 W/kg = -15.17 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - Bluetooth - Slider Open

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 2.007 S/m; $\varepsilon_r$ = 50.608; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

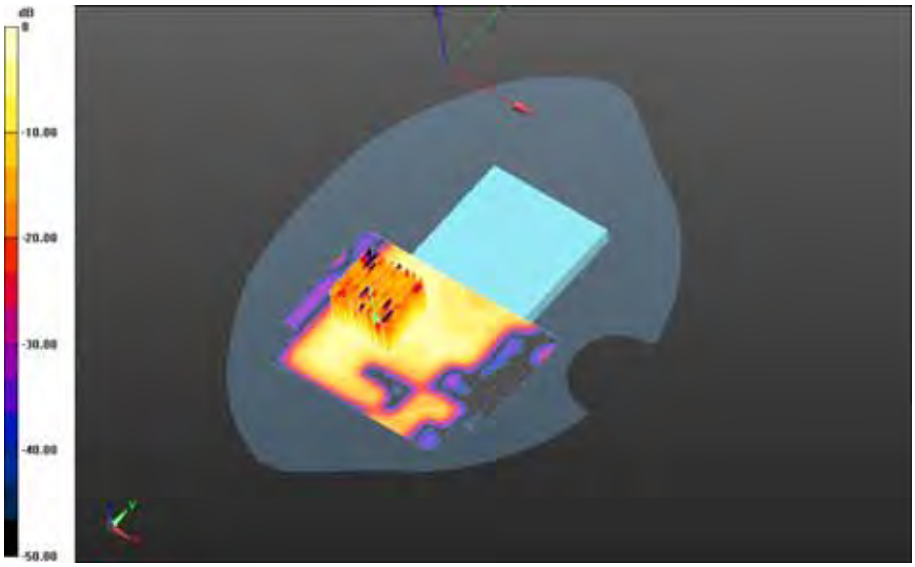
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - Bluetooth - Slider Open/10mm Device Back - Bluetooth_chan39_amb_temp_24.0C_liq_temp_22.5C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.175 V/m; **Power Drift = 0.228 dB**

**Fast SAR: SAR(1g) = 0.0174 W/kg; SAR(10g) = 0.00885 W/kg**
Maximum value of SAR (interpolated) = 0.0232 W/kg

**Mobile Hot Spot MSL - Bluetooth - Slider Open/10mm Device Back - Bluetooth_chan39_amb_temp_24.0C_liq_temp_22.5C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.175 V/m; **Power Drift = 0.228 dB**

**Averaged SAR: SAR(1g) = 0.0187 W/kg; SAR(10g) = 0.00865 W/kg**
Maximum value of SAR (interpolated) = 0.0911 W/kg




0 dB = 0.0251 W/kg = -16.00 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Body Worn MSL - Bluetooth - Slider Closed

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 2.007 S/m; $\varepsilon_r$ = 50.608; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

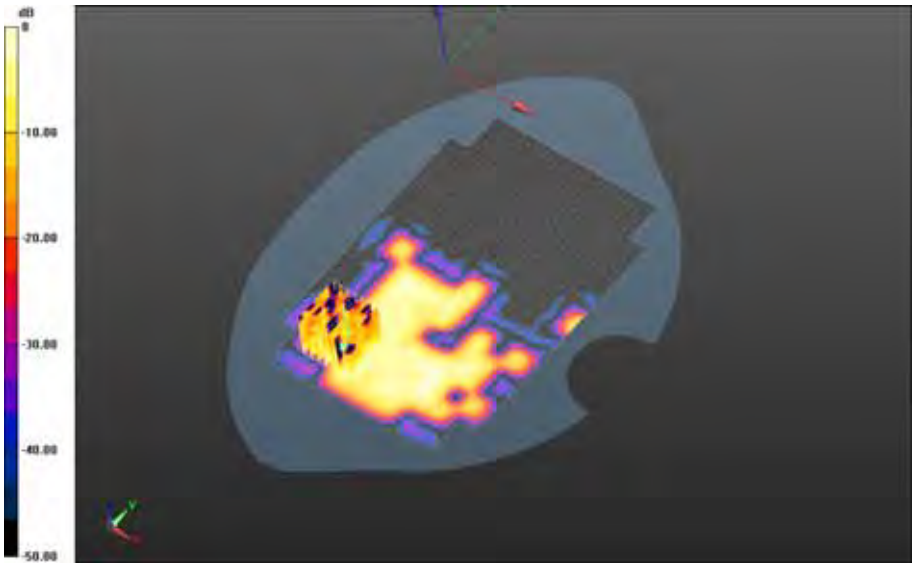
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - Bluetooth - Slider Closed/15mm Device Back - Bluetooth_chan39_amb_temp_24.0C_liq_temp_22.4C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.575 V/m; **Power Drift = 0.168 dB**

**Fast SAR: SAR(1g) = 0.00885 W/kg; SAR(10g) = 0.00369 W/kg**
Maximum value of SAR (interpolated) = 0.0150 W/kg

**Body Worn MSL - Bluetooth - Slider Closed/15mm Device Back - Bluetooth_chan39_amb_temp_24.0C_liq_temp_22.4C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 0.575 V/m; **Power Drift = 0.168 dB**

**Averaged SAR: SAR(1g) = 0.00652 W/kg; SAR(10g) = 0.00288 W/kg**
Maximum value of SAR (interpolated) = 0.0171 W/kg




0 dB = 0.00874 W/kg = -20.58 dBW/kg

# 802.11b

# (Primary Antenna_Core 0)

Date: 9/4/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11b_Slider Closed

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.786 S/m; $\varepsilon_r$ = 37.574; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

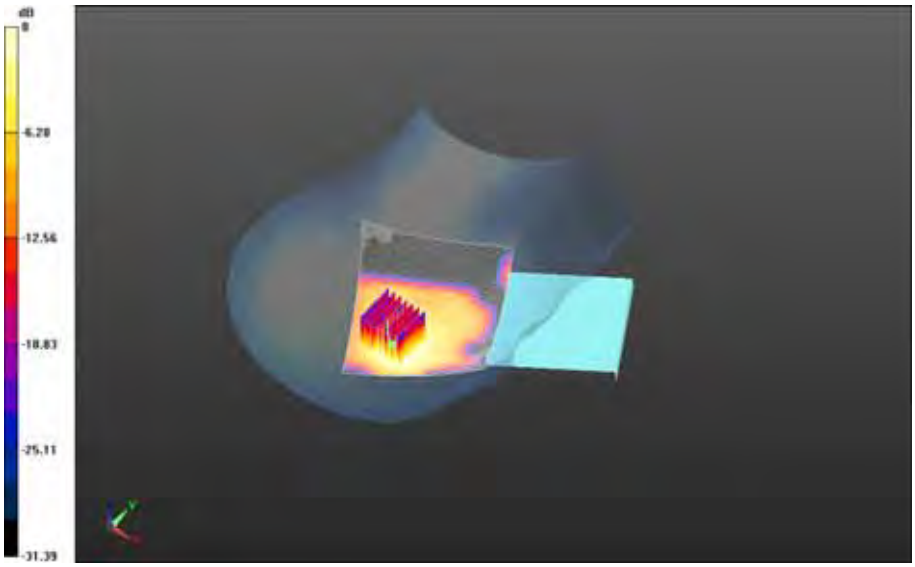
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.7C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.072 V/m; **Power Drift = -0.082 dB**

**Fast SAR: SAR(1g) = 0.0827 W/kg; SAR(10g) = 0.0428 W/kg**
Maximum value of SAR (interpolated) = 0.107 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.072 V/m; **Power Drift = -0.082 dB**

**Averaged SAR: SAR(1g) = 0.0796 W/kg; SAR(10g) = 0.0381 W/kg**
Maximum value of SAR (interpolated) = 0.169 W/kg



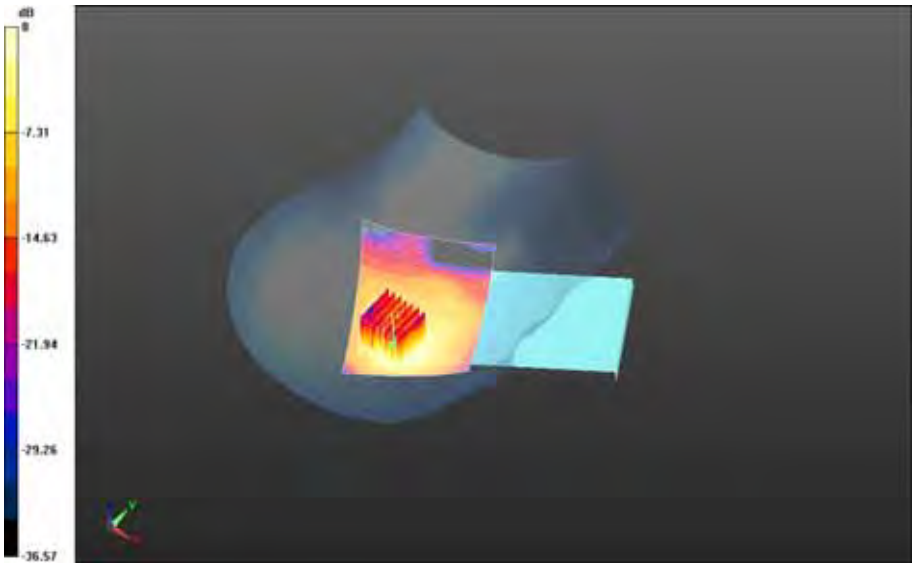

0 dB = 0.0890 W/kg = -10.51 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan6_amb_temp_23.8C_liq_temp_22.7C/Area Scan (91x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.528 V/m; **Power Drift = 0.194 dB**

**Fast SAR: SAR(1g) = 0.108 W/kg; SAR(10g) = 0.0554 W/kg**
Maximum value of SAR (interpolated) = 0.141 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan6_amb_temp_23.8C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.528 V/m; **Power Drift = 0.194 dB**

**Averaged SAR: SAR(1g) = 0.114 W/kg; SAR(10g) = 0.0562 W/kg**
Maximum value of SAR (interpolated) = 0.231 W/kg



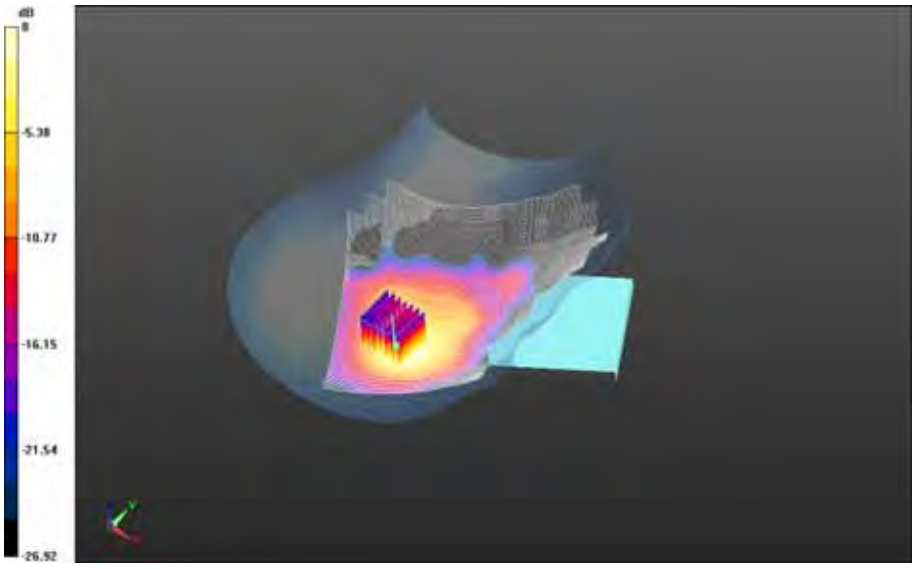

0 dB = 0.127 W/kg = -8.96 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.1C/Area Scan (131x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.118 V/m; **Power Drift = 0.094 dB**

**Fast SAR: SAR(1g) = 0.184 W/kg; SAR(10g) = 0.0939 W/kg**
Maximum value of SAR (interpolated) = 0.243 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.1C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.118 V/m; **Power Drift = 0.094 dB**

**Averaged SAR: SAR(1g) = 0.199 W/kg; SAR(10g) = 0.0967 W/kg**
Maximum value of SAR (interpolated) = 0.408 W/kg



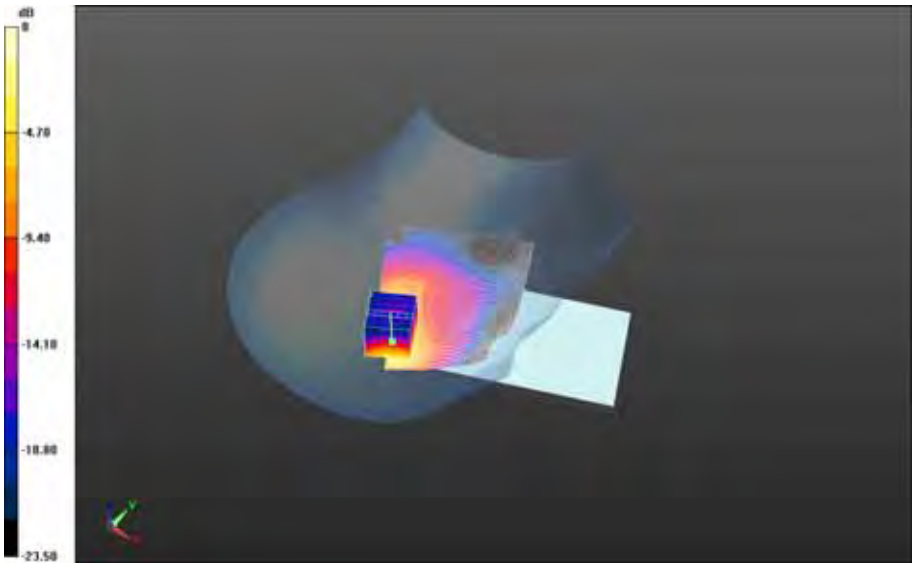

0 dB = 0.222 W/kg = -6.54 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.289 V/m; **Power Drift = -0.089 dB**

**Fast SAR: SAR(1g) = 0.142 W/kg; SAR(10g) = 0.0661 W/kg**
Maximum value of SAR (interpolated) = 0.194 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.289 V/m; **Power Drift = -0.089 dB**

**Averaged SAR: SAR(1g) = 0.154 W/kg; SAR(10g) = 0.0707 W/kg**
Maximum value of SAR (interpolated) = 0.329 W/kg




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

Date: 9/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11b_Slider Closed

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2462 MHz
Medium Parameters used: f=2462 MHz; $\sigma$ = 1.842 S/m; $\varepsilon_r$ = 37.380; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

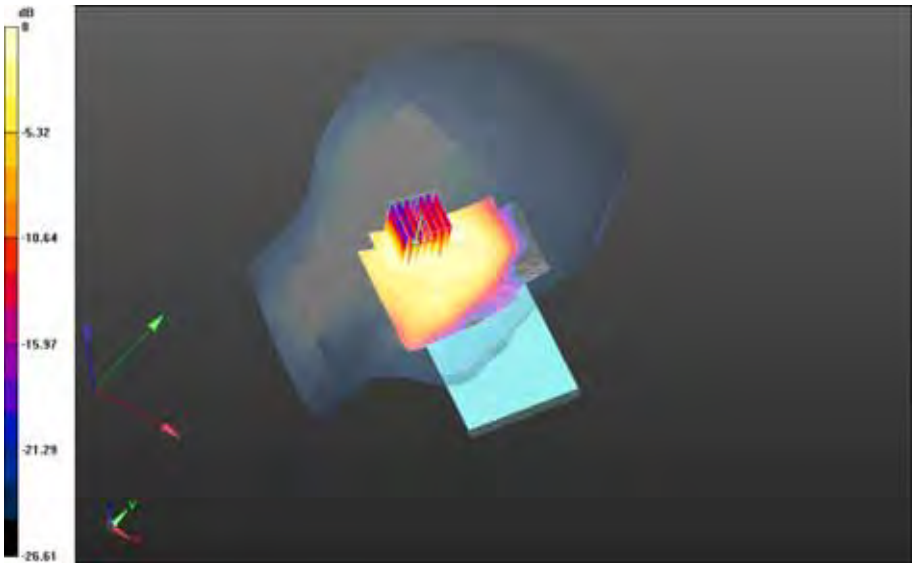
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.989 V/m; **Power Drift = 0.101 dB**

**Fast SAR: SAR(1g) = 0.0865 W/kg; SAR(10g) = 0.0468 W/kg**
Maximum value of SAR (interpolated) = 0.110 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.989 V/m; **Power Drift = 0.101 dB**

**Averaged SAR: SAR(1g) = 0.0847 W/kg; SAR(10g) = 0.0460 W/kg**
Maximum value of SAR (interpolated) = 0.154 W/kg



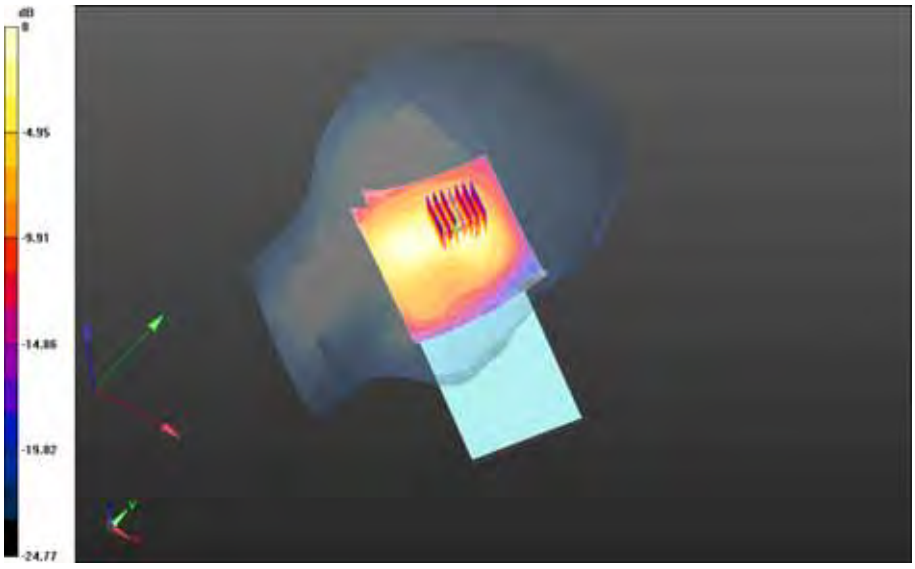

0 dB = 0.106 W/kg = -9.75 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.9C_liq_temp_22.9C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.576 V/m; **Power Drift = -0.125 dB**

**Fast SAR: SAR(1g) = 0.0718 W/kg; SAR(10g) = 0.0374 W/kg**
Maximum value of SAR (interpolated) = 0.0925 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.9C_liq_temp_22.9C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.576 V/m; **Power Drift = -0.125 dB**

**Averaged SAR: SAR(1g) = 0.0711 W/kg; SAR(10g) = 0.0366 W/kg**
Maximum value of SAR (interpolated) = 0.137 W/kg




0 dB = 0.0805 W/kg = -10.94 dBW/kg

Date: 9/4/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11b_Slider Open

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g; Frequency: 2462 MHz
Medium Parameters used: f=2462 MHz; $\sigma$ = 1.842 S/m; $\varepsilon_r$ = 37.380; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

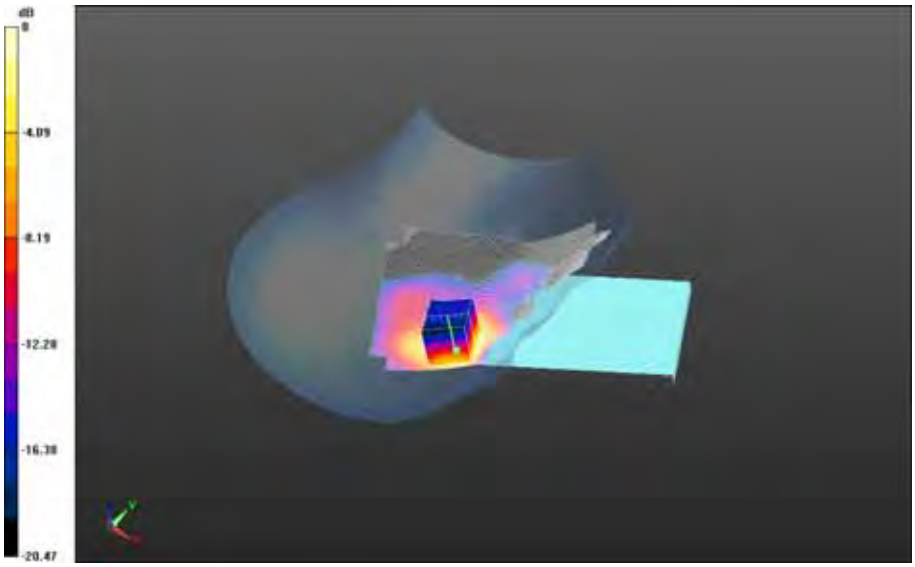
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.856 V/m; **Power Drift = 0.184 dB**

**Fast SAR: SAR(1g) = 0.174 W/kg; SAR(10g) = 0.0921 W/kg**
Maximum value of SAR (interpolated) = 0.217 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.856 V/m; **Power Drift = 0.184 dB**

**Averaged SAR: SAR(1g) = 0.182 W/kg; SAR(10g) = 0.0941 W/kg**
Maximum value of SAR (interpolated) = 0.358 W/kg



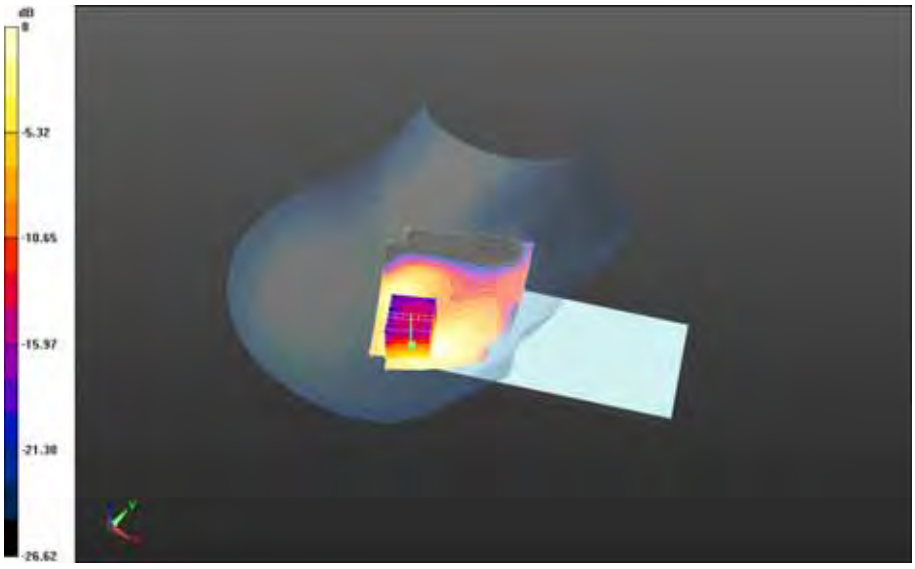

0 dB = 0.236 W/kg = -6.27 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_23.0C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.156 V/m; **Power Drift = 0.075 dB**

**Fast SAR: SAR(1g) = 0.0618 W/kg; SAR(10g) = 0.0326 W/kg**
Maximum value of SAR (interpolated) = 0.0798 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.156 V/m; **Power Drift = 0.075 dB**

**Averaged SAR: SAR(1g) = 0.0662 W/kg; SAR(10g) = 0.0356 W/kg**
Maximum value of SAR (interpolated) = 0.118 W/kg




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

Date: 9/4/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11b_Slider Open

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g; Frequency: 2462 MHz
Medium Parameters used: f=2462 MHz; $\sigma$ = 1.842 S/m; $\varepsilon_r$ = 37.380; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

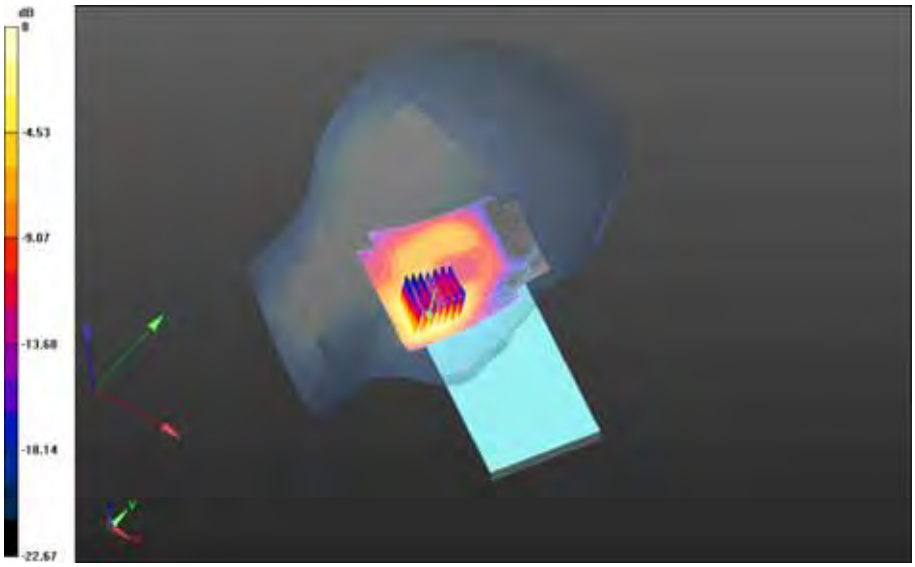
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_22.8C/Area Scan (151x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.507 V/m; **Power Drift = -0.038 dB**

**Fast SAR: SAR(1g) = 0.178 W/kg; SAR(10g) = 0.0912 W/kg**
Maximum value of SAR (interpolated) = 0.229 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.507 V/m; **Power Drift = -0.038 dB**

**Averaged SAR: SAR(1g) = 0.172 W/kg; SAR(10g) = 0.0904 W/kg**
Maximum value of SAR (interpolated) = 0.316 W/kg



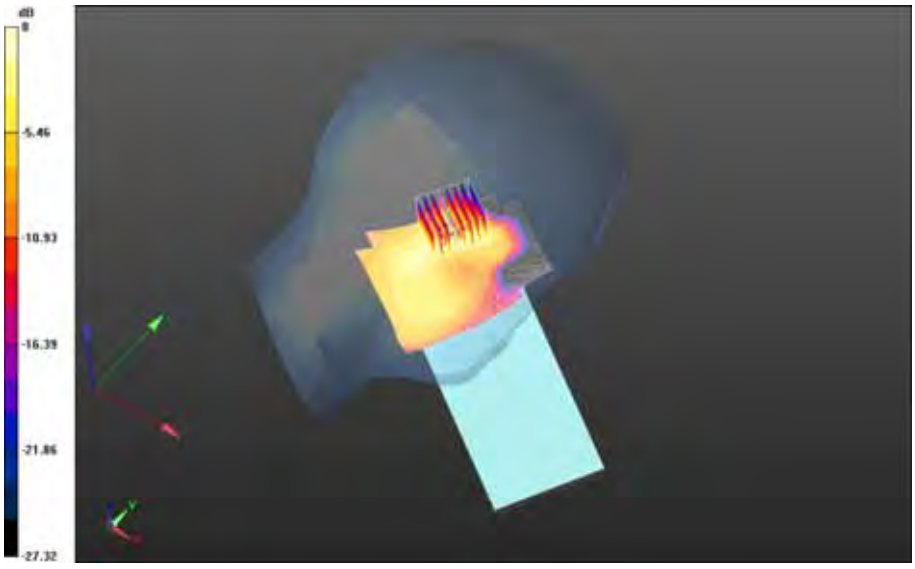

0 dB = 0.214 W/kg = -6.70 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Area Scan (151x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.806 V/m; **Power Drift = 0.032 dB**

**Fast SAR: SAR(1g) = 0.0769 W/kg; SAR(10g) = 0.0371 W/kg**
Maximum value of SAR (interpolated) = 0.101 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.806 V/m; **Power Drift = 0.032 dB**

**Averaged SAR: SAR(1g) = 0.0784 W/kg; SAR(10g) = 0.0379 W/kg**
Maximum value of SAR (interpolated) = 0.161 W/kg




0 dB = 0.103 W/kg = -9.87 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11b_Slider Closed

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g; Frequency: 2462 MHz
Medium Parameters used: f=2462 MHz; $\sigma$ = 2.034 S/m; $\varepsilon_r$ = 50.309; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

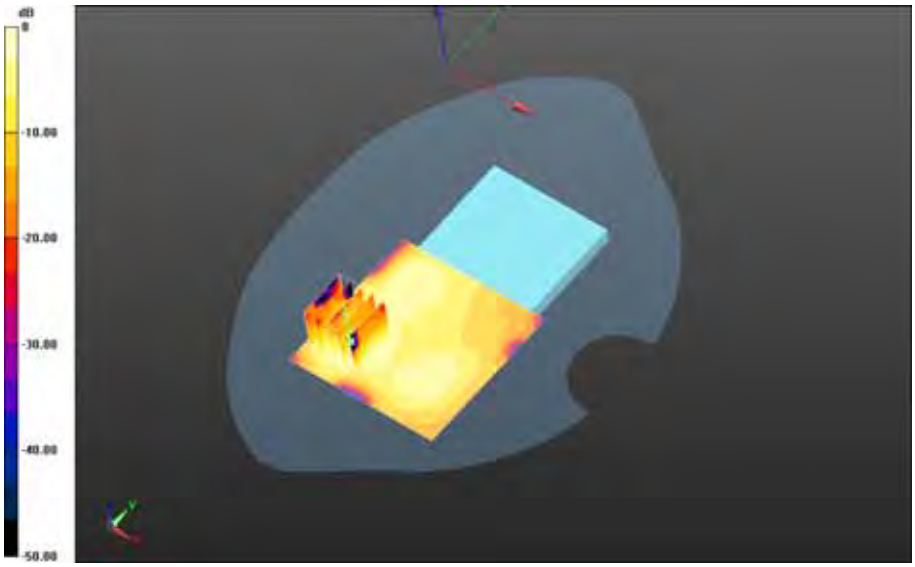
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Back - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.978 V/m; **Power Drift = -0.159 dB**

**Fast SAR: SAR(1g) = 0.0323 W/kg; SAR(10g) = 0.0153 W/kg**
Maximum value of SAR (interpolated) = 0.0432 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Back - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.7C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 1.978 V/m; **Power Drift = -0.159 dB**

**Averaged SAR: SAR(1g) = 0.0327 W/kg; SAR(10g) = 0.0149 W/kg**
Maximum value of SAR (interpolated) = 0.0712 W/kg



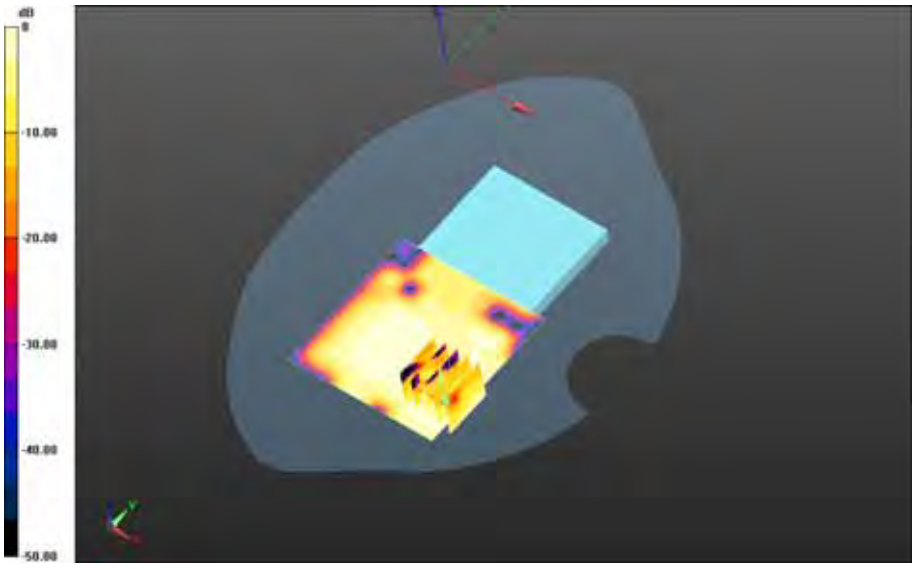

0 dB = 0.0385 W/kg = -14.15 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Front - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.195 V/m; **Power Drift = -0.149 dB**

**Fast SAR: SAR(1g) = 0.00690 W/kg; SAR(10g) = 0.00371 W/kg**
Maximum value of SAR (interpolated) = 0.00866 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Front - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 1.195 V/m; **Power Drift = -0.149 dB**

**Averaged SAR: SAR(1g) = 0.00714 W/kg; SAR(10g) = 0.00365 W/kg**
Maximum value of SAR (interpolated) = 0.0201 W/kg




0 dB = 0.00825 W/kg = -20.84 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Left - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.056 V/m; **Power Drift = 0.038 dB**

**Fast SAR: SAR(1g) = 0.0143 W/kg; SAR(10g) = 0.00663 W/kg**
Maximum value of SAR (interpolated) = 0.0193 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Left - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 2.056 V/m; **Power Drift = 0.038 dB**

**Averaged SAR: SAR(1g) = 0.0137 W/kg; SAR(10g) = 0.00606 W/kg**
Maximum value of SAR (interpolated) = 0.0251 W/kg


0 dB = 0.0157 W/kg = -18.04 dBW/kg

Date: 9/16/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11b_Slider Open

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.975 S/m; $\varepsilon_r$ = 50.453; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

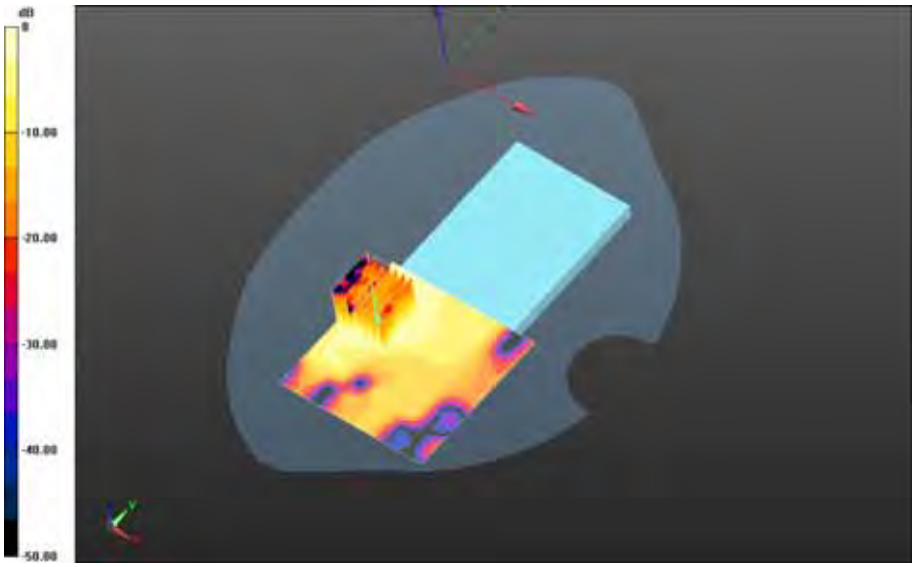
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan1_amb_temp_23.4C_liq_temp_22.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.194 V/m; **Power Drift = -0.164 dB**

**Fast SAR: SAR(1g) = 0.0269 W/kg; SAR(10g) = 0.0130 W/kg**
Maximum value of SAR (interpolated) = 0.0373 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan1_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.194 V/m; **Power Drift = -0.164 dB**

**Averaged SAR: SAR(1g) = 0.0278 W/kg; SAR(10g) = 0.0126 W/kg**
Maximum value of SAR (interpolated) = 0.0619 W/kg



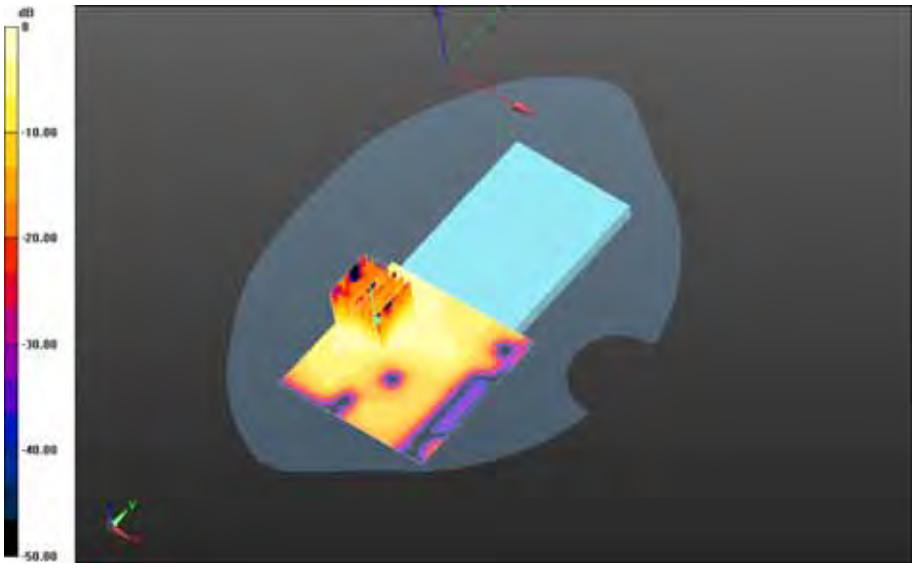

0 dB = 0.0373 W/kg = -14.28 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_22.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.305 V/m; **Power Drift = 0.00683 dB**

**Fast SAR: SAR(1g) = 0.0342 W/kg; SAR(10g) = 0.0163 W/kg**
Maximum value of SAR (interpolated) = 0.0472 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.305 V/m; **Power Drift = 0.00683 dB**

**Averaged SAR: SAR(1g) = 0.0344 W/kg; SAR(10g) = 0.0158 W/kg**
Maximum value of SAR (interpolated) = 0.0755 W/kg



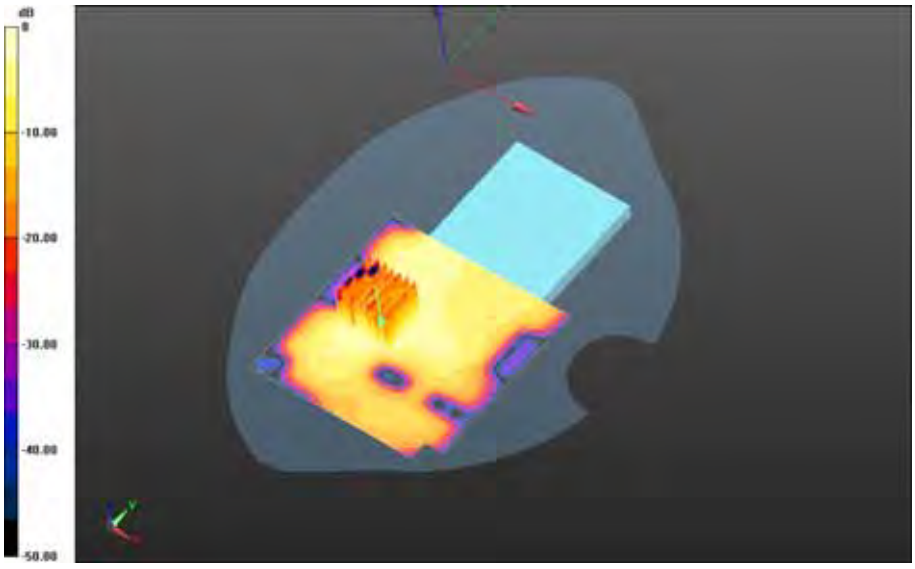

0 dB = 0.0453 W/kg = -13.44 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan11_amb_temp_24.0C_liq_temp_22.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.621 V/m; **Power Drift = -0.00644 dB**

**Fast SAR: SAR(1g) = 0.0422 W/kg; SAR(10g) = 0.0203 W/kg**
Maximum value of SAR (interpolated) = 0.0570 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan11_amb_temp_24.0C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.621 V/m; **Power Drift = -0.00644 dB**

**Averaged SAR: SAR(1g) = 0.0432 W/kg; SAR(10g) = 0.0198 W/kg**
Maximum value of SAR (interpolated) = 0.0973 W/kg



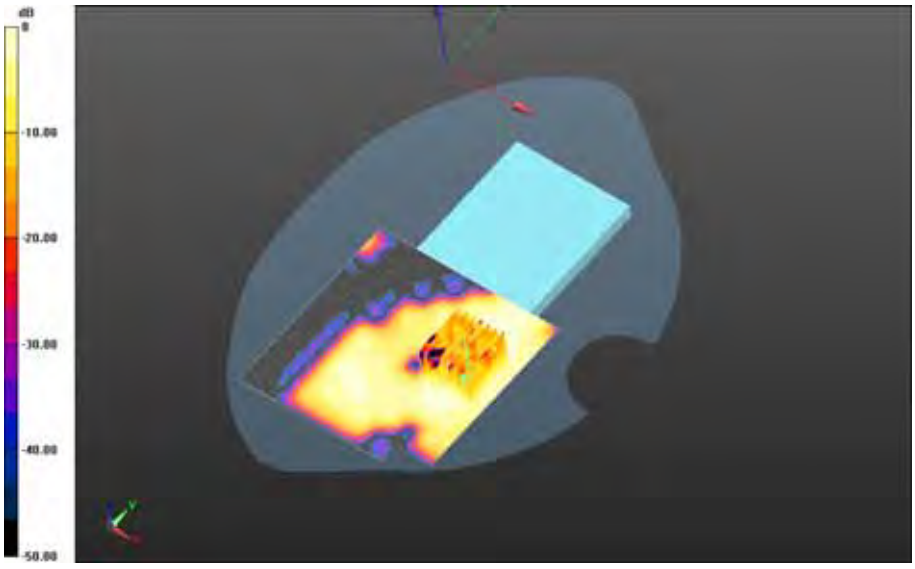

0 dB = 0.0571 W/kg = -12.43 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Front - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.164 V/m; **Power Drift = 0.086 dB**

**Fast SAR: SAR(1g) = 0.00931 W/kg; SAR(10g) = 0.00511 W/kg**
Maximum value of SAR (interpolated) = 0.0114 W/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Front - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Zoom Scan (31x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.164 V/m; **Power Drift = 0.086 dB**

**Averaged SAR: SAR(1g) = 0.00922 W/kg; SAR(10g) = 0.00491 W/kg**
Maximum value of SAR (interpolated) = 0.0173 W/kg




0 dB = 0.0119 W/kg = -19.24 dBW/kg

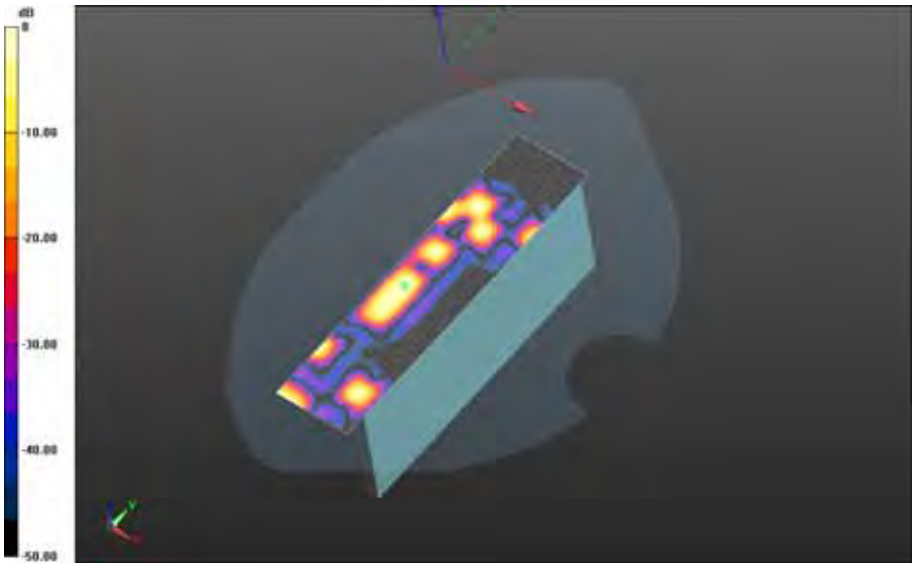
**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Left - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.225 V/m; **Power Drift = 0.00474 dB**

**Fast SAR: SAR(1g) = 0.0263 W/kg; SAR(10g) = 0.0138 W/kg**
Maximum value of SAR (interpolated) = 0.0331 W/kg


0 dB = 0.0331 W/kg = -14.80 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Right - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (41x171x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.386 V/m; **Power Drift = 0.037 dB**

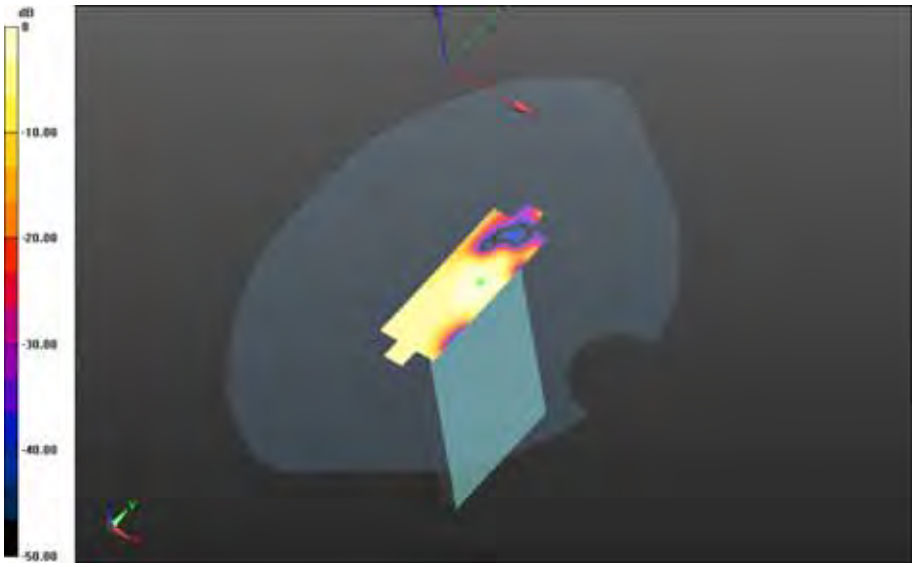
**Fast SAR: SAR(1g) = 0.000464 W/kg; SAR(10g) = 0.000136 W/kg**
Maximum value of SAR (interpolated) = 0.00132 W/kg




0 dB = 0.00132 W/kg = -28.79 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Top - 802.11b_chan11_amb_temp_23.5C_liq_temp_22.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.206 V/m; **Power Drift = -0.138 dB**

**Fast SAR: SAR(1g) = 0.0100 W/kg; SAR(10g) = 0.00461 W/kg**
Maximum value of SAR (interpolated) = 0.0138 W/kg




0 dB = 0.0138 W/kg = -18.60 dBW/kg

Date: 9/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Body Worn MSL - 802.11b

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.967 S/m; $\varepsilon_r$ = 50.713; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

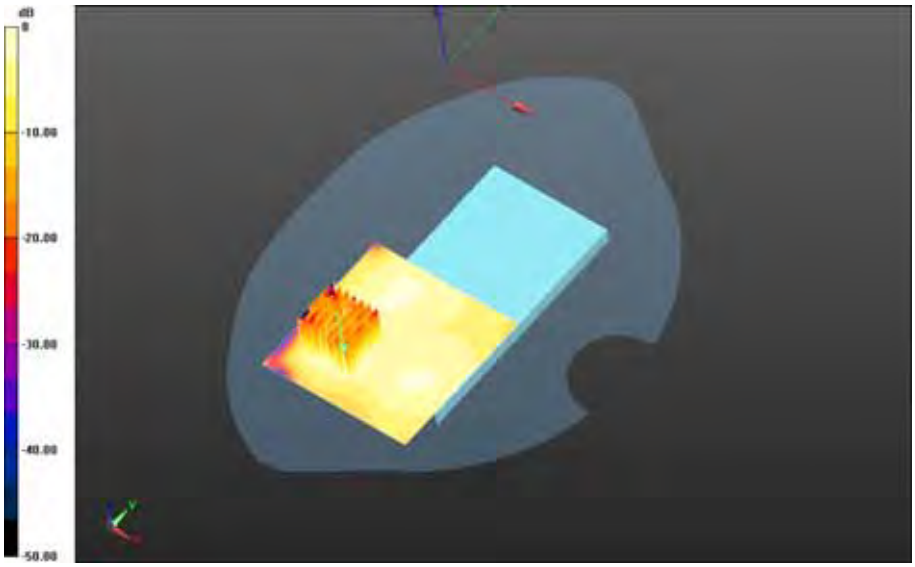
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.246 V/m; **Power Drift = 0.481 dB**

**Fast SAR: SAR(1g) = 0.0347 W/kg; SAR(10g) = 0.0177 W/kg**
Maximum value of SAR (interpolated) = 0.0453 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.246 V/m; **Power Drift = 0.481 dB**

**Averaged SAR: SAR(1g) = 0.0346 W/kg; SAR(10g) = 0.0171 W/kg**
Maximum value of SAR (interpolated) = 0.0692 W/kg



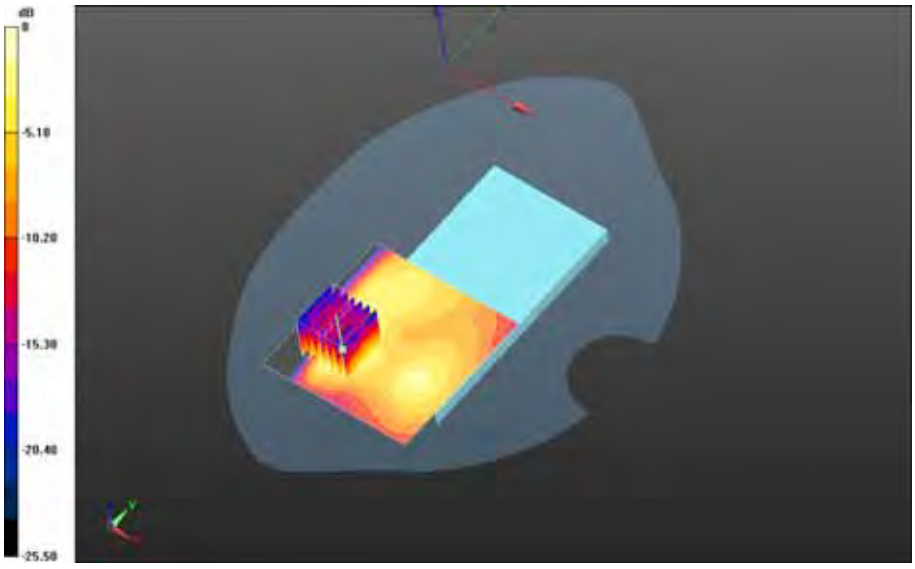

0 dB = 0.0433 W/kg = -13.64 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.871 V/m; **Power Drift = 0.158 dB**

**Fast SAR: SAR(1g) = 0.0646 W/kg; SAR(10g) = 0.0301 W/kg**
Maximum value of SAR (interpolated) = 0.0980 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.871 V/m; **Power Drift = 0.158 dB**

**Averaged SAR: SAR(1g) = 0.0619 W/kg; SAR(10g) = 0.0308 W/kg**
Maximum value of SAR (interpolated) = 0.125 W/kg



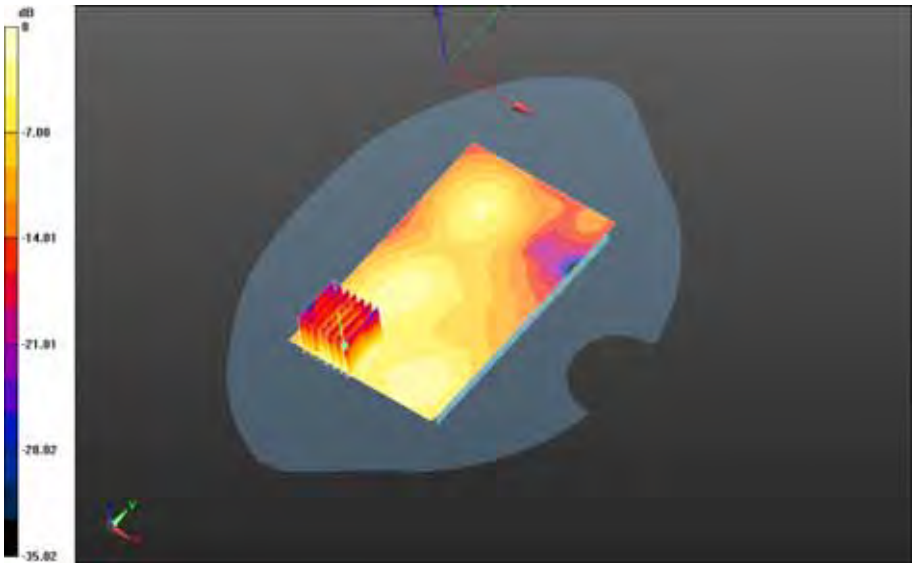

0 dB = 0.0776 W/kg = -11.10 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.479 V/m; **Power Drift = 0.265 dB**

**Fast SAR: SAR(1g) = 0.0914 W/kg; SAR(10g) = 0.0445 W/kg**
Maximum value of SAR (interpolated) = 0.121 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.479 V/m; **Power Drift = 0.265 dB**

**Averaged SAR: SAR(1g) = 0.0927 W/kg; SAR(10g) = 0.0453 W/kg**
Maximum value of SAR (interpolated) = 0.187 W/kg



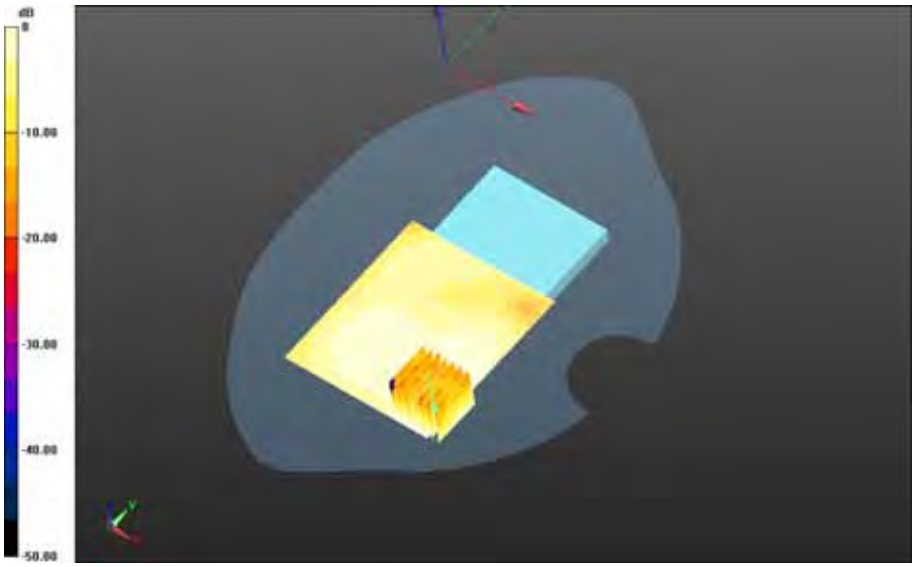

0 dB = 0.118 W/kg = -9.28 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.666 V/m; **Power Drift = 0.459 dB**

**Fast SAR: SAR(1g) = 0.0205 W/kg; SAR(10g) = 0.0115 W/kg**
Maximum value of SAR (interpolated) = 0.0253 W/kg
10g avg. SAR maximum on border.

**Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.666 V/m; **Power Drift = 0.459 dB**

**Averaged SAR: SAR(1g) = 0.0216 W/kg; SAR(10g) = 0.0118 W/kg**
Maximum value of SAR (interpolated) = 0.0419 W/kg



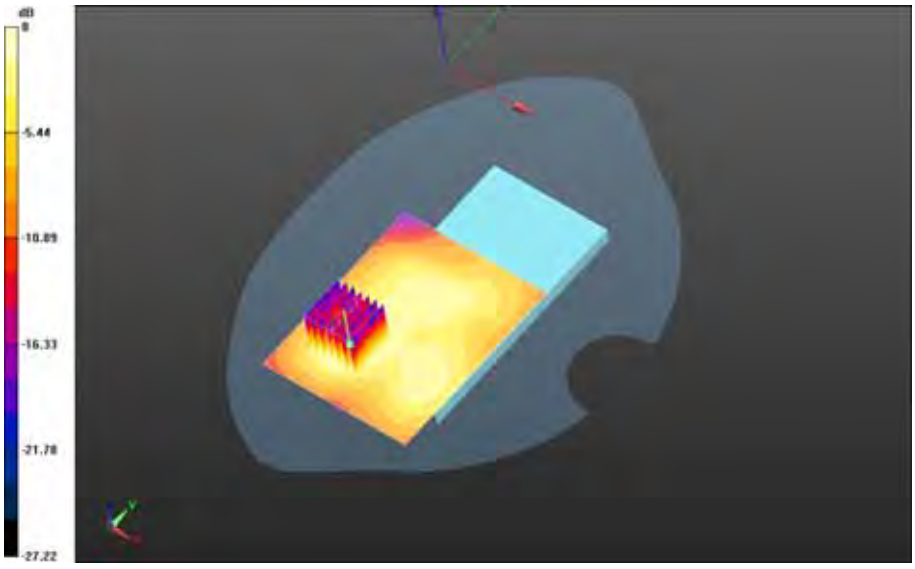

0 dB = 0.0264 W/kg = -15.78 dBW/kg

**Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.661 V/m; **Power Drift = 0.160 dB**

**Fast SAR: SAR(1g) = 0.0499 W/kg; SAR(10g) = 0.0262 W/kg**
Maximum value of SAR (interpolated) = 0.0638 W/kg

**Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.661 V/m; **Power Drift = 0.160 dB**

**Averaged SAR: SAR(1g) = 0.0490 W/kg; SAR(10g) = 0.0258 W/kg**
Maximum value of SAR (interpolated) = 0.0960 W/kg




0 dB = 0.0619 W/kg = -12.08 dBW/kg

# (Secondary Antenna_Core 1)

Date: 9/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11b_Slider Closed

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.786 S/m; $\varepsilon_r$ = 37.574; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

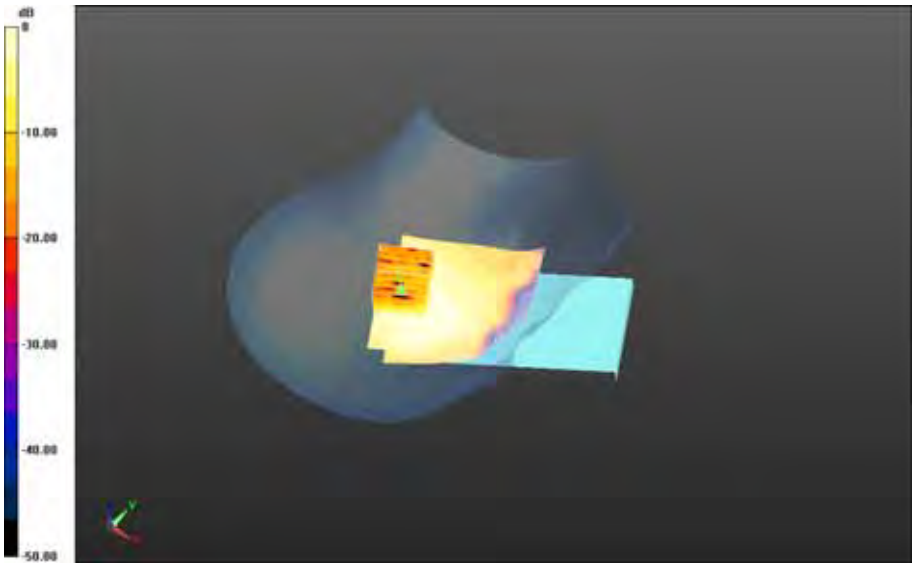
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.7C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.711 V/m; **Power Drift = 0.237 dB**

**Fast SAR: SAR(1g) = 0.0275 W/kg; SAR(10g) = 0.0154 W/kg**
Maximum value of SAR (interpolated) = 0.0343 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.7C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.711 V/m; **Power Drift = 0.237 dB**

**Averaged SAR: SAR(1g) = 0.0291 W/kg; SAR(10g) = 0.0165 W/kg**
Maximum value of SAR (interpolated) = 0.0515 W/kg



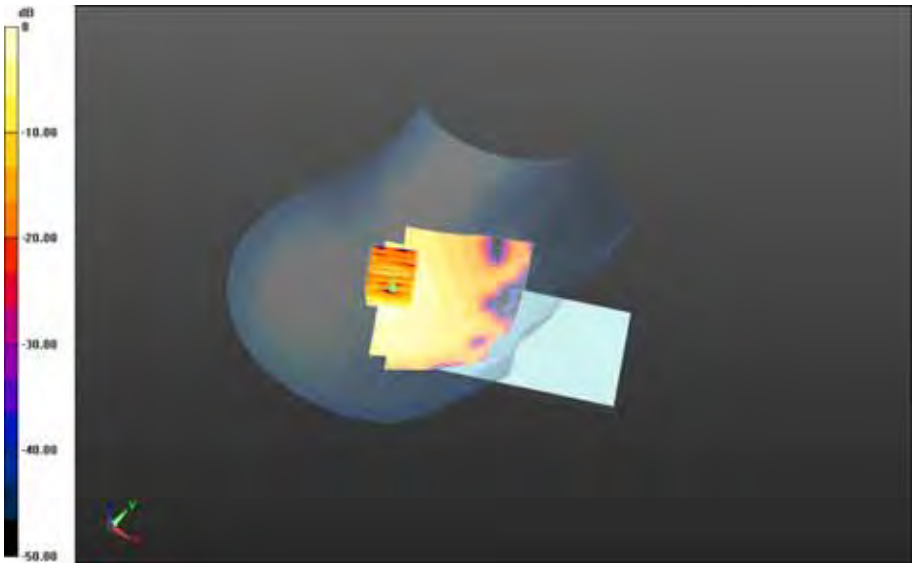

0 dB = 0.0359 W/kg = -14.45 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.8C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.944 V/m; **Power Drift = 0.250 dB**

**Fast SAR: SAR(1g) = 0.0348 W/kg; SAR(10g) = 0.0183 W/kg**
Maximum value of SAR (interpolated) = 0.0440 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.944 V/m; **Power Drift = 0.250 dB**

**Averaged SAR: SAR(1g) = 0.0351 W/kg; SAR(10g) = 0.0182 W/kg**
Maximum value of SAR (interpolated) = 0.0680 W/kg




0 dB = 0.0447 W/kg = -13.50 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11b_Slider Closed

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.786 S/m; $\varepsilon_r$ = 37.574; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

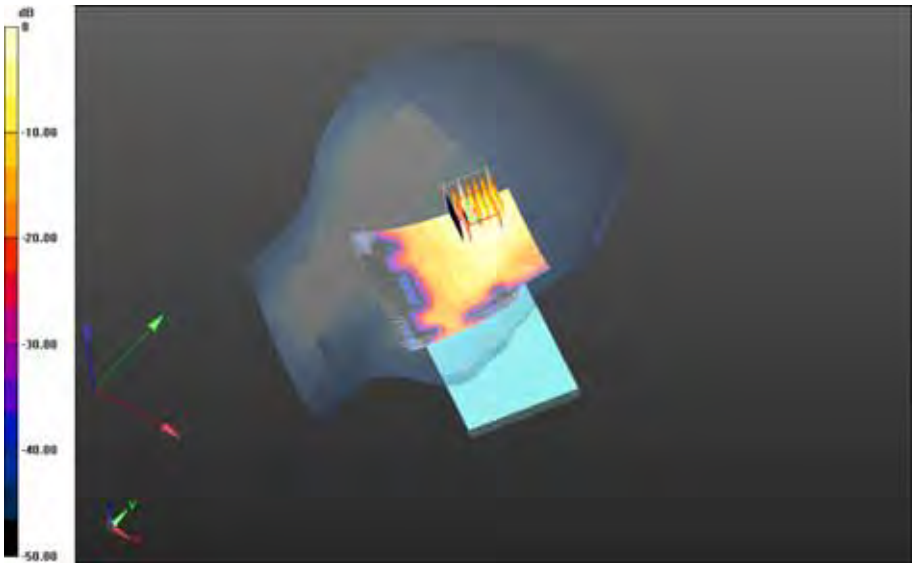
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.8C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.748 V/m; **Power Drift = 0.296 dB**

**Fast SAR: SAR(1g) = 0.0461 W/kg; SAR(10g) = 0.0240 W/kg**
Maximum value of SAR (interpolated) = 0.0591 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.748 V/m; **Power Drift = 0.296 dB**

**Averaged SAR: SAR(1g) = 0.0550 W/kg; SAR(10g) = 0.0269 W/kg**
Maximum value of SAR (interpolated) = 0.167 W/kg



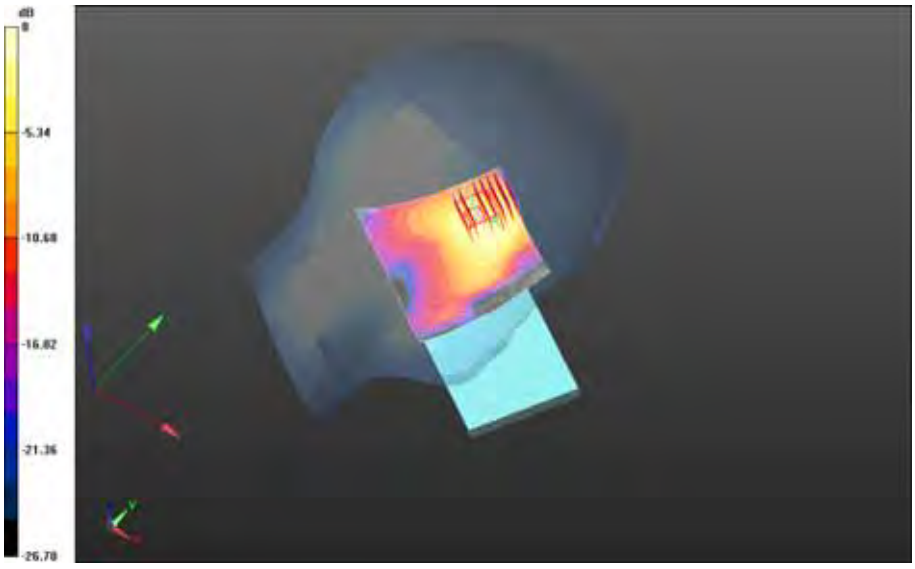

0 dB = 0.0654 W/kg = -11.84 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan6_amb_temp_24.1C_liq_temp_23.1C/Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.563 V/m; **Power Drift = 0.321 dB**

**Fast SAR: SAR(1g) = 0.0675 W/kg; SAR(10g) = 0.0383 W/kg**
Maximum value of SAR (interpolated) = 0.0883 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan6_amb_temp_24.1C_liq_temp_23.1C/Zoom Scan (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.563 V/m; **Power Drift = 0.321 dB**

**Averaged SAR: SAR(1g) = 0.0736 W/kg; SAR(10g) = 0.0395 W/kg**
Maximum value of SAR (interpolated) = 0.158 W/kg



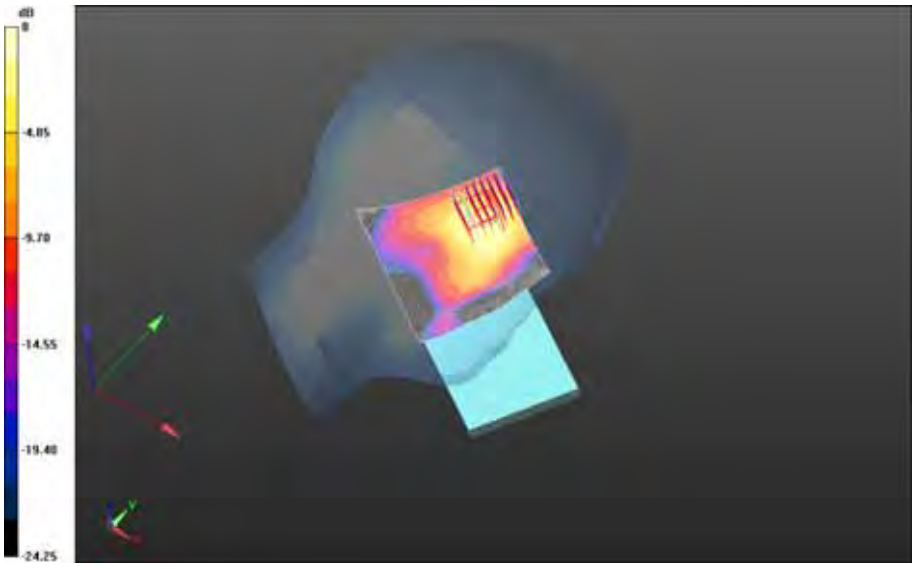

0 dB = 0.0974 W/kg = -10.11 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_23.0C/Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.144 V/m; **Power Drift = 0.371 dB**

**Fast SAR: SAR(1g) = 0.0625 W/kg; SAR(10g) = 0.0354 W/kg**
Maximum value of SAR (interpolated) = 0.0808 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Touch Position - 802.11b_chan11_amb_temp_23.8C_liq_temp_23.0C/Zoom Scan (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.144 V/m; **Power Drift = 0.371 dB**

**Averaged SAR: SAR(1g) = 0.0696 W/kg; SAR(10g) = 0.0376 W/kg**
Maximum value of SAR (interpolated) = 0.148 W/kg



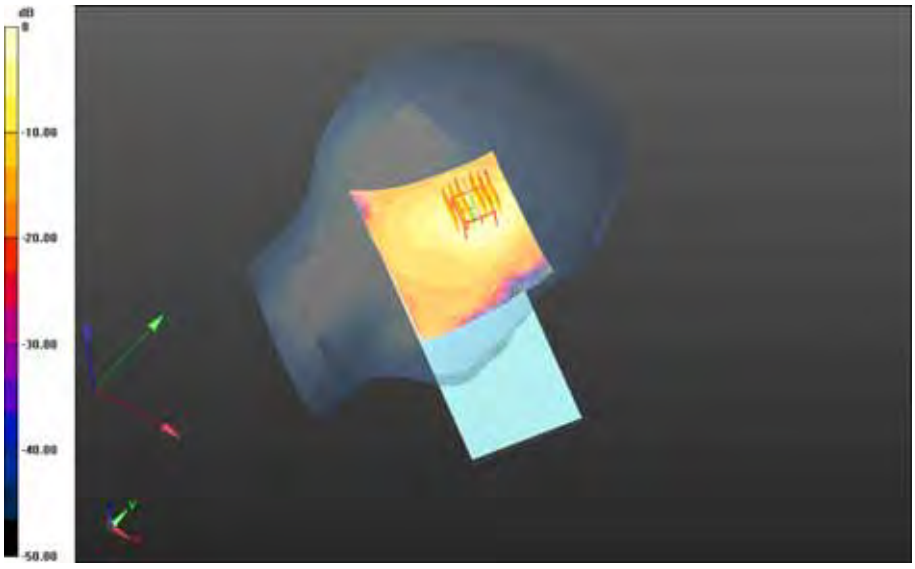

0 dB = 0.0919 W/kg = -10.37 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.9C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.246 V/m; **Power Drift = 0.552 dB**

**Fast SAR: SAR(1g) = 0.0627 W/kg; SAR(10g) = 0.0315 W/kg**
Maximum value of SAR (interpolated) = 0.0824 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.9C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.246 V/m; **Power Drift = 0.552 dB**

**Averaged SAR: SAR(1g) = 0.0695 W/kg; SAR(10g) = 0.0327 W/kg**
Maximum value of SAR (interpolated) = 0.160 W/kg



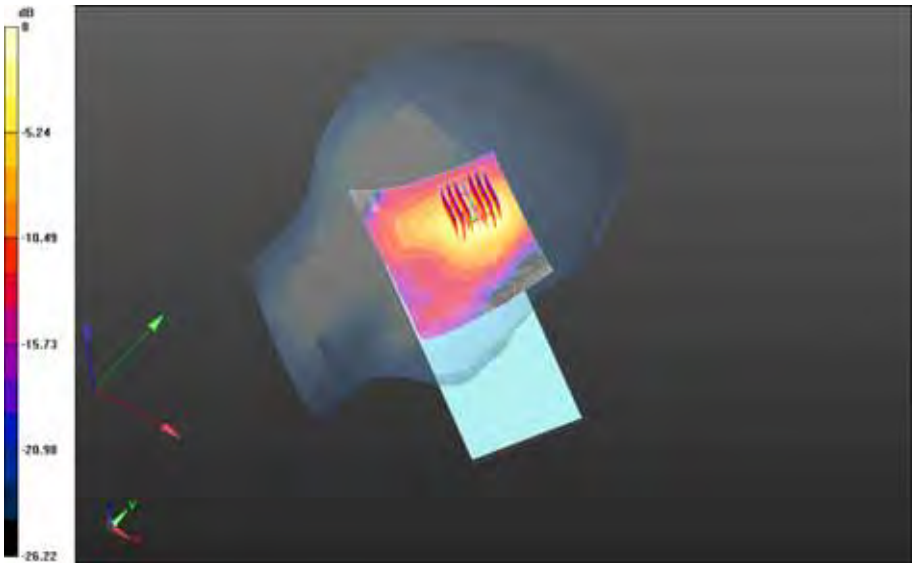

0 dB = 0.0806 W/kg = -10.94 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan6_amb_temp_23.7C_liq_temp_22.9C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.768 V/m; **Power Drift = 0.353 dB**

**Fast SAR: SAR(1g) = 0.0704 W/kg; SAR(10g) = 0.0356 W/kg**
Maximum value of SAR (interpolated) = 0.0924 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan6_amb_temp_23.7C_liq_temp_22.9C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.768 V/m; **Power Drift = 0.353 dB**

**Averaged SAR: SAR(1g) = 0.0799 W/kg; SAR(10g) = 0.0378 W/kg**
Maximum value of SAR (interpolated) = 0.179 W/kg



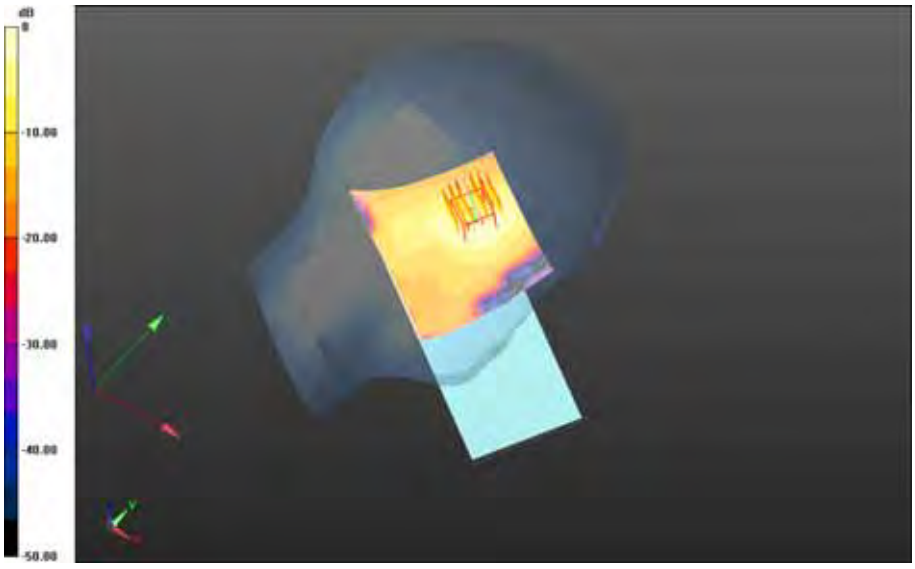

0 dB = 0.0923 W/kg = -10.35 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.9C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.403 V/m; **Power Drift = 0.474 dB**

**Fast SAR: SAR(1g) = 0.0622 W/kg; SAR(10g) = 0.0311 W/kg**
Maximum value of SAR (interpolated) = 0.0822 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Closed/Tilt Position - 802.11b_chan11_amb_temp_23.7C_liq_temp_22.9C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.403 V/m; **Power Drift = 0.474 dB**

**Averaged SAR: SAR(1g) = 0.0705 W/kg; SAR(10g) = 0.0330 W/kg**
Maximum value of SAR (interpolated) = 0.155 W/kg




0 dB = 0.0808 W/kg = -10.93 dBW/kg

Date: 9/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11b_Slider Open

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g; Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.786 S/m; $\varepsilon_r$ = 37.574; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

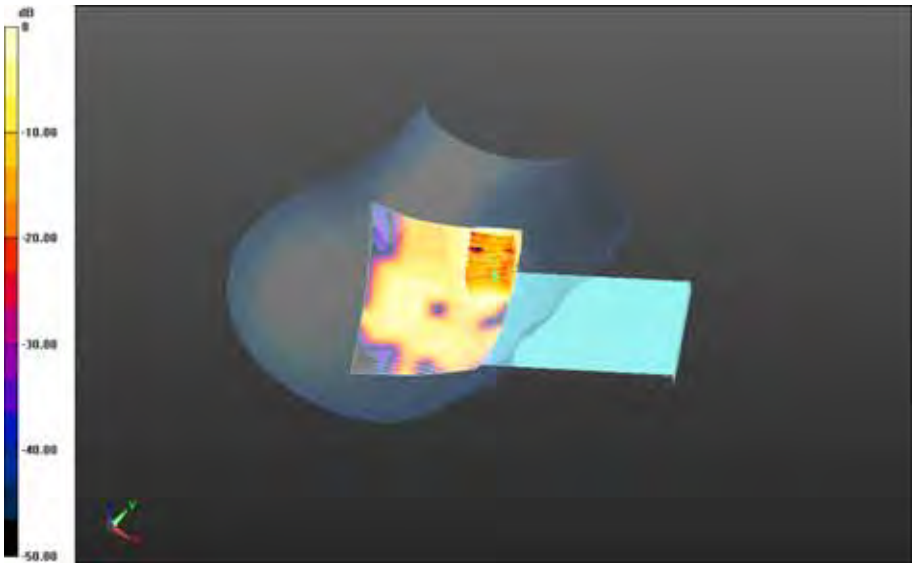
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.0C/Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.514 V/m; **Power Drift = 0.390 dB**

**Fast SAR: SAR(1g) = 0.0220 W/kg; SAR(10g) = 0.0113 W/kg**
Maximum value of SAR (interpolated) = 0.0285 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.514 V/m; **Power Drift = 0.390 dB**

**Averaged SAR: SAR(1g) = 0.0223 W/kg; SAR(10g) = 0.0116 W/kg**
Maximum value of SAR (interpolated) = 0.0413 W/kg



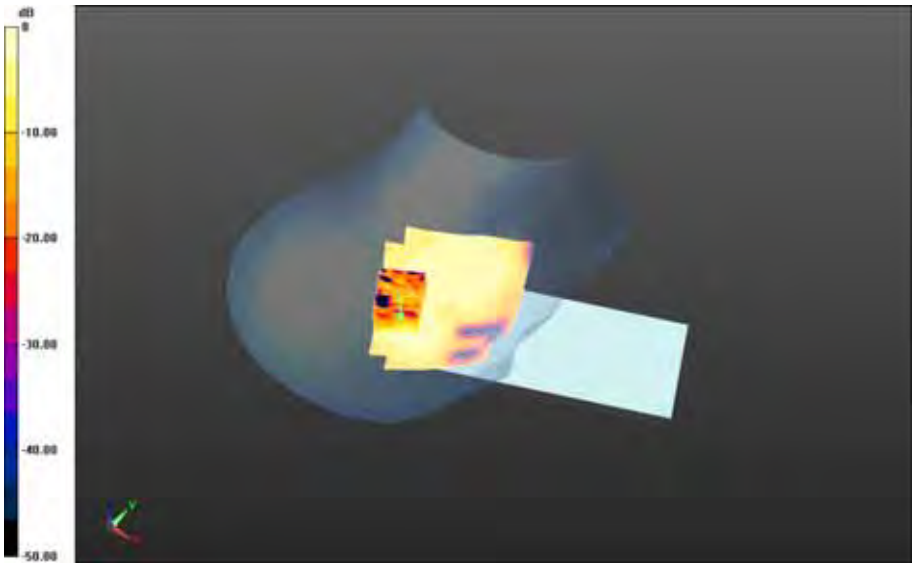

0 dB = 0.0281 W/kg = -15.51 dBW/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan1_amb_temp_23.8C_liq_temp_23.0C/Area Scan (151x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.448 V/m; **Power Drift = 0.412 dB**

**Fast SAR: SAR(1g) = 0.0173 W/kg; SAR(10g) = 0.00868 W/kg**
Maximum value of SAR (interpolated) = 0.0226 W/kg

**Right-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan1_amb_temp_23.8C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.448 V/m; **Power Drift = 0.412 dB**

**Averaged SAR: SAR(1g) = 0.0175 W/kg; SAR(10g) = 0.00844 W/kg**
Maximum value of SAR (interpolated) = 0.0971 W/kg




0 dB = 0.0225 W/kg = -16.48 dBW/kg

Date: 9/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11b_Slider Open

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.786 S/m; $\varepsilon_r$ = 37.574; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

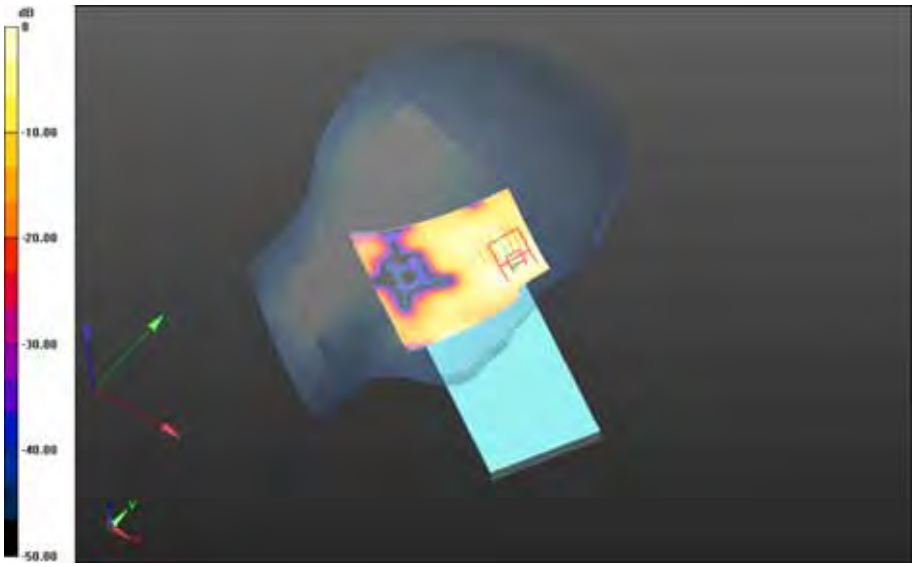
- Probe: ES3DV3 - SN3225; ConvF: (4.6,4.6,4.6); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.7C/Area Scan (151x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.425 V/m; **Power Drift = 0.453 dB**

**Fast SAR: SAR(1g) = 0.0254 W/kg; SAR(10g) = 0.0137 W/kg**
Maximum value of SAR (interpolated) = 0.0317 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Touch Position - 802.11b_chan1_amb_temp_23.9C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.425 V/m; **Power Drift = 0.453 dB**

**Averaged SAR: SAR(1g) = 0.0246 W/kg; SAR(10g) = 0.0133 W/kg**
Maximum value of SAR (interpolated) = 0.0462 W/kg



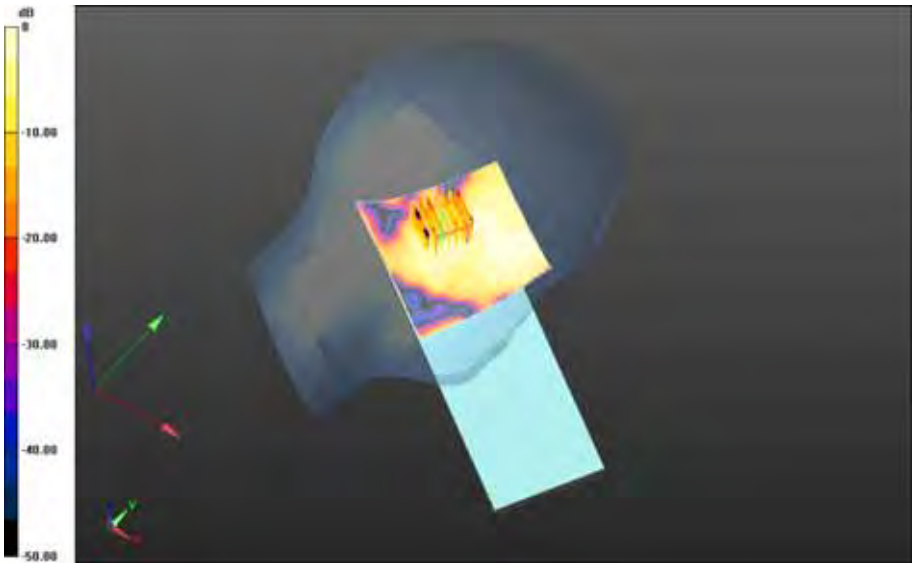

0 dB = 0.0308 W/kg = -15.11 dBW/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.8C/Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.694 V/m; **Power Drift = 0.159 dB**

**Fast SAR: SAR(1g) = 0.0152 W/kg; SAR(10g) = 0.00746 W/kg**
Maximum value of SAR (interpolated) = 0.0198 W/kg

**Left-Hand-Side HSL - 802.11b_Slider Open/Tilt Position - 802.11b_chan1_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.694 V/m; **Power Drift = 0.159 dB**

**Averaged SAR: SAR(1g) = 0.0160 W/kg; SAR(10g) = 0.00793 W/kg**
Maximum value of SAR (interpolated) = 0.0331 W/kg




0 dB = 0.0213 W/kg = -16.72 dBW/kg

Date: 9/16/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - 802.11b_Slider Closed

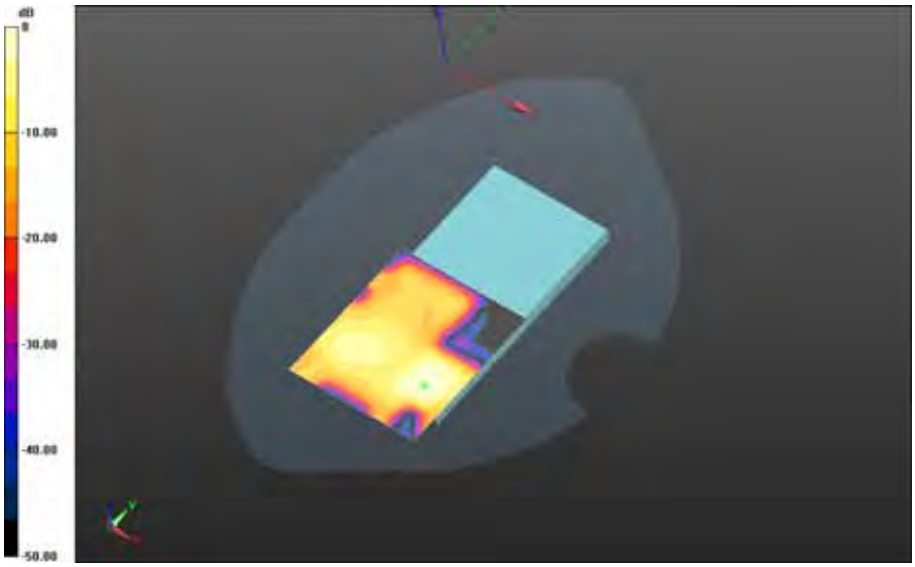
Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2462 MHz
Medium Parameters used: f=2462 MHz; $\sigma$ = 2.034 S/m; $\varepsilon_r$ = 50.309; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.1C/Area Scan (71x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.935 V/m; **Power Drift = 0.140 dB**

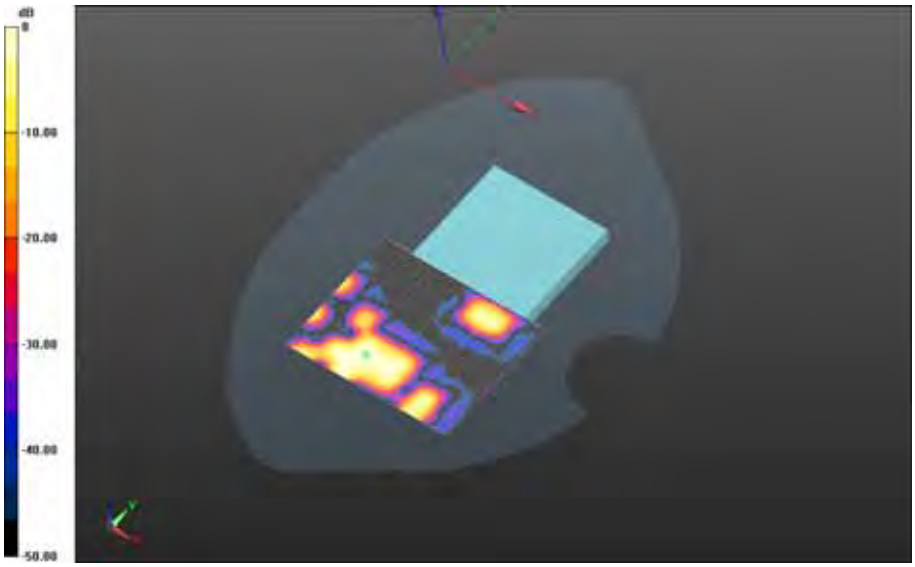
**Fast SAR: SAR(1g) = 0.0198 W/kg; SAR(10g) = 0.00886 W/kg**
Maximum value of SAR (interpolated) = 0.0287 W/kg




0 dB = 0.0287 W/kg = -15.42 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Closed/10mm Device Front - 802.11b_chan11_amb_temp_24.1C_liq_temp_23.0C/Area Scan (151x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.443 V/m; **Power Drift = -0.088 dB**

**Fast SAR: SAR(1g) = 0.00303 W/kg; SAR(10g) = 0.00115 W/kg**
Maximum value of SAR (interpolated) = 0.00495 W/kg




0 dB = 0.00495 W/kg = -23.05 dBW/kg

Date: 9/16/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - 802.11b_Slider Open

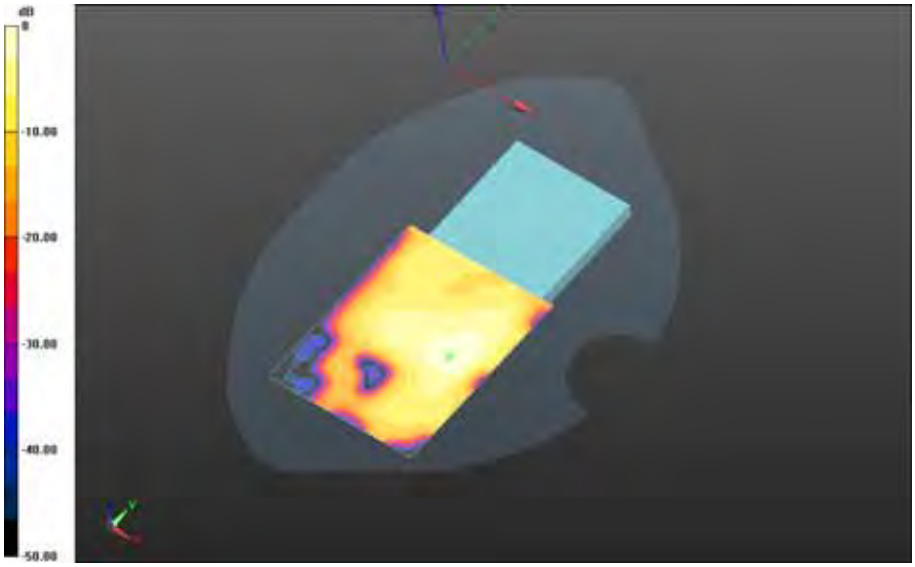
Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.975 S/m; $\varepsilon_r$ = 50.453; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan1_amb_temp_24.1C_liq_temp_23.0C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.287 V/m; **Power Drift = -0.132 dB**

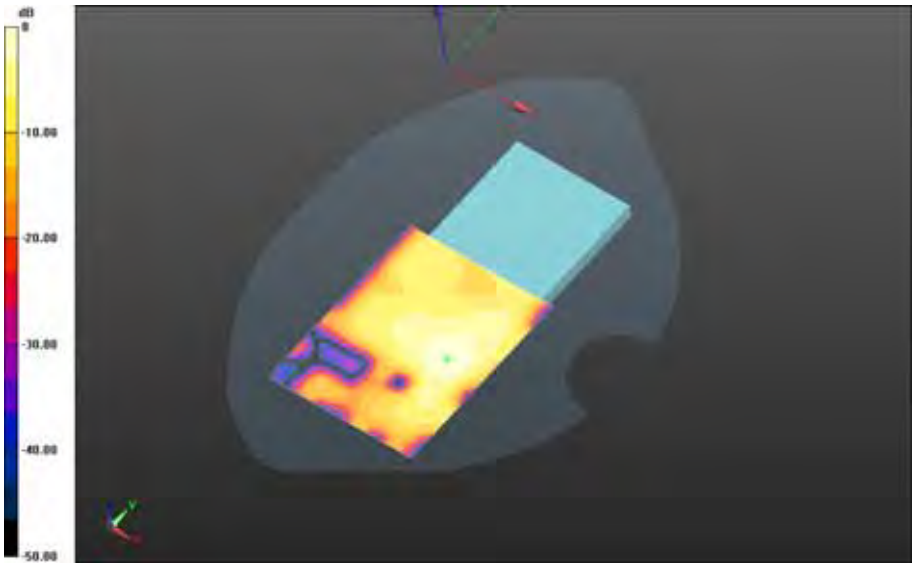
**Fast SAR: SAR(1g) = 0.0250 W/kg; SAR(10g) = 0.0123 W/kg**
Maximum value of SAR (interpolated) = 0.0339 W/kg




0 dB = 0.0339 W/kg = -14.70 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan6_amb_temp_24.1C_liq_temp_23.1C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.297 V/m; **Power Drift = -0.161 dB**

**Fast SAR: SAR(1g) = 0.0296 W/kg; SAR(10g) = 0.0142 W/kg**
Maximum value of SAR (interpolated) = 0.0397 W/kg




0 dB = 0.0397 W/kg = -14.01 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan11_amb_temp_24.1C_liq_temp_23.0C/Area Scan (81x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.425 V/m; **Power Drift = -0.142 dB**

**Fast SAR: SAR(1g) = 0.0327 W/kg; SAR(10g) = 0.0157 W/kg**
Maximum value of SAR (interpolated) = 0.0440 W/kg

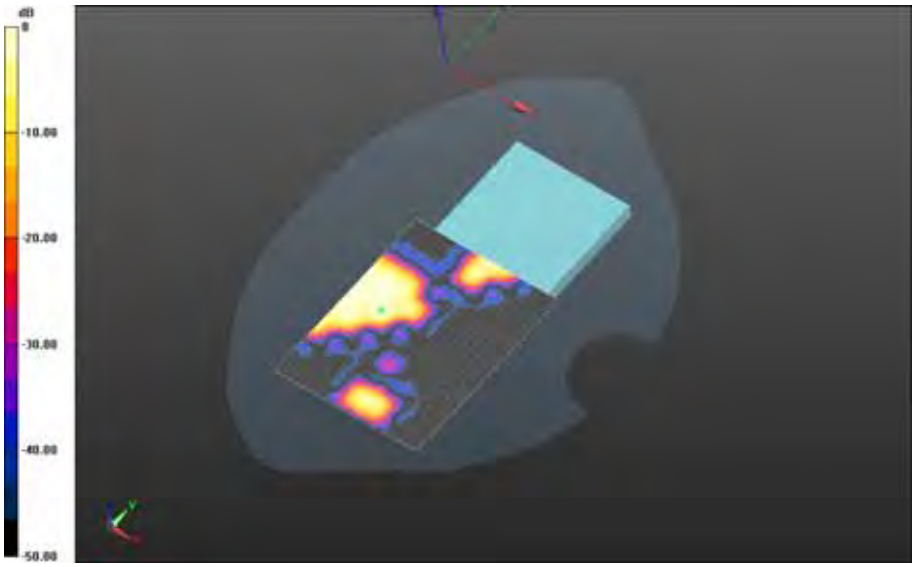
**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Back - 802.11b_chan11_amb_temp_24.1C_liq_temp_23.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.425 V/m; **Power Drift = -0.142 dB**

**Averaged SAR: SAR(1g) = 0.0350 W/kg; SAR(10g) = 0.0156 W/kg**
Maximum value of SAR (interpolated) = 0.0791 W/kg


0 dB = 0.0456 W/kg = -13.41 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Front - 802.11b_chan11_amb_temp_24.0C_liq_temp_22.9C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.625 V/m; **Power Drift = 0.136 dB**

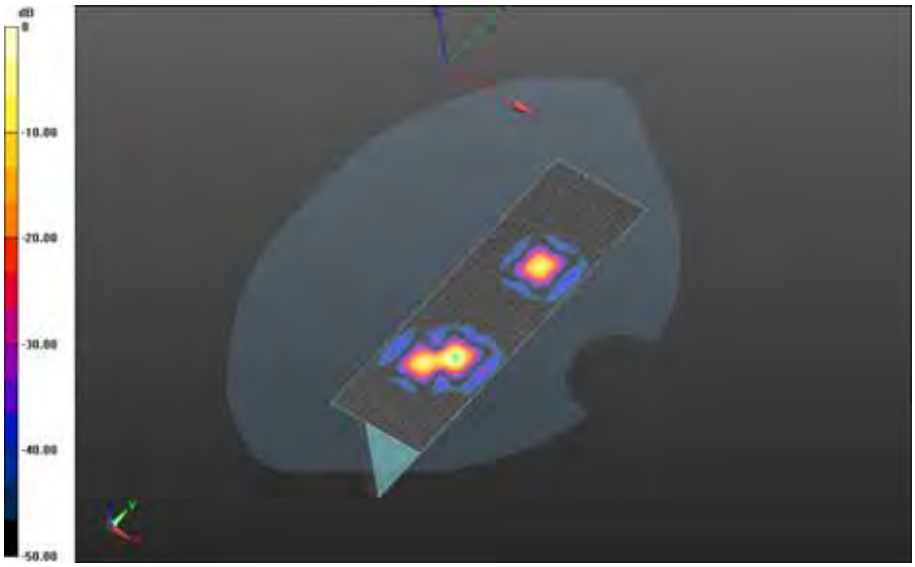
**Fast SAR: SAR(1g) = 0.00295 W/kg; SAR(10g) = 0.00156 W/kg**
Maximum value of SAR (interpolated) = 0.00511 W/kg




0 dB = 0.00511 W/kg = -22.92 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Left - 802.11b_chan11_amb_temp_23.8C_liq_temp_22.7C/Area Scan (51x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.538 V/m; **Power Drift = 0.395 dB**

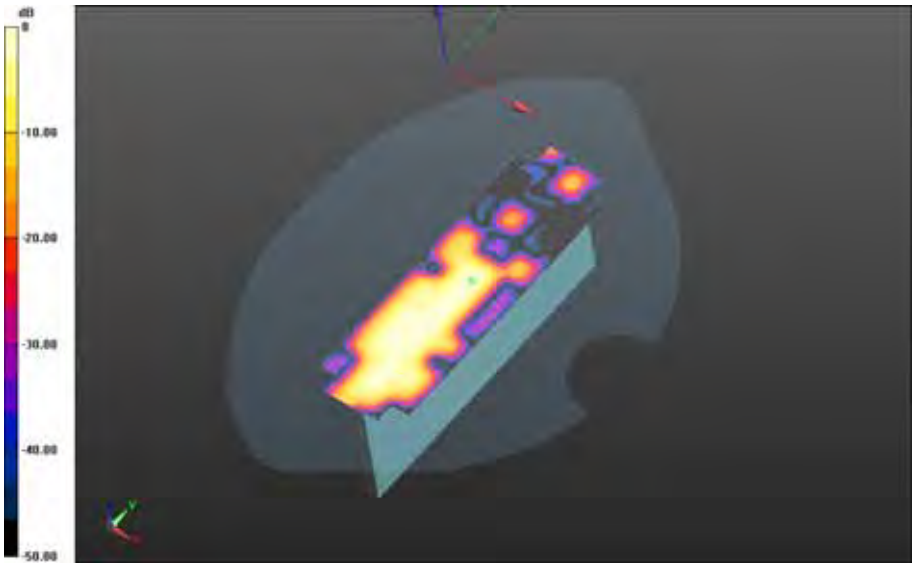
**Fast SAR: SAR(1g) = 0.000215 W/kg; SAR(10g) = 0.0000466 W/kg**
Maximum value of SAR (interpolated) = 0.000991 W/kg




0 dB = 0.000991 W/kg = -30.04 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Right - 802.11b_chan11_amb_temp_23.6C_liq_temp_22.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.933 V/m; **Power Drift = 0.157 dB**

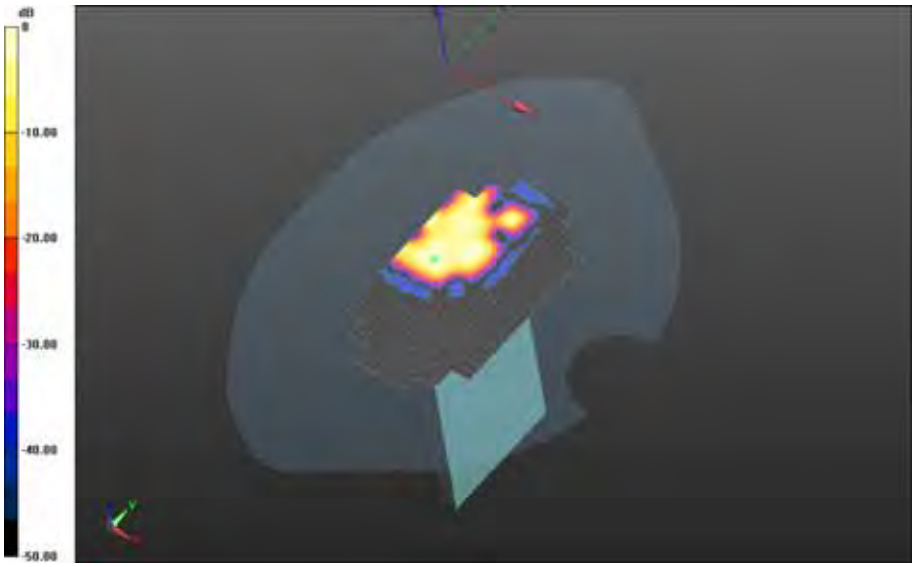
**Fast SAR: SAR(1g) = 0.00892 W/kg; SAR(10g) = 0.00456 W/kg**
Maximum value of SAR (interpolated) = 0.0156 W/kg




0 dB = 0.0156 W/kg = -18.07 dBW/kg

**Mobile Hot Spot MSL - 802.11b_Slider Open/10mm Device Top - 802.11b_chan11_amb_temp_23.6C_liq_temp_22.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.938 V/m; **Power Drift = 0.181 dB**

**Fast SAR: SAR(1g) = 0.00174 W/kg; SAR(10g) = 0.000770 W/kg**
Maximum value of SAR (interpolated) = 0.00372 W/kg




0 dB = 0.00372 W/kg = -24.29 dBW/kg

Date: 9/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11b

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.967 S/m; $\varepsilon_r$ = 50.713; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

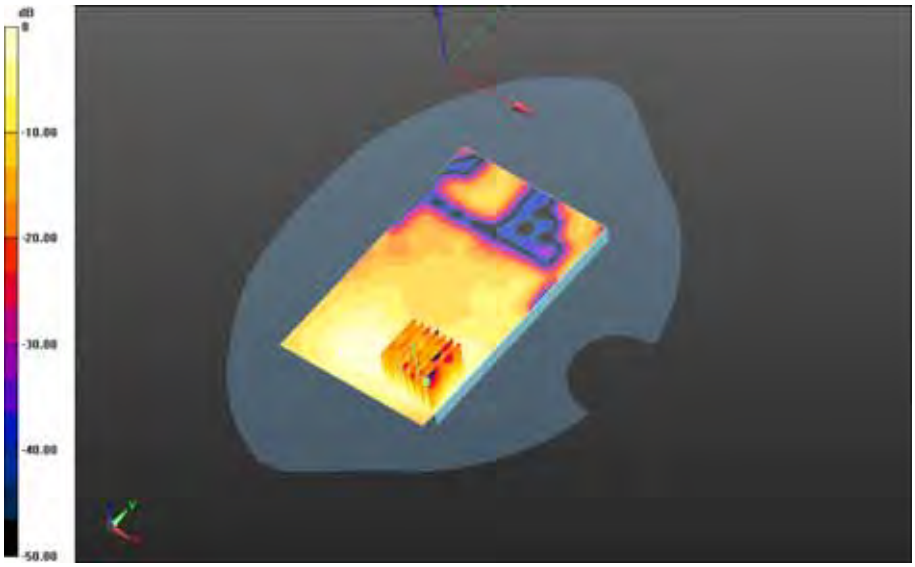
- Probe: ES3DV3 - SN3225; ConvF: (4.34,4.34,4.34); Calibrated: 2/25/2015;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.512 V/m; **Power Drift = 0.380 dB**

**Fast SAR: SAR(1g) = 0.0333 W/kg; SAR(10g) = 0.0171 W/kg**
Maximum value of SAR (interpolated) = 0.0426 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.512 V/m; **Power Drift = 0.380 dB**

**Averaged SAR: SAR(1g) = 0.0348 W/kg; SAR(10g) = 0.0174 W/kg**
Maximum value of SAR (interpolated) = 0.0706 W/kg



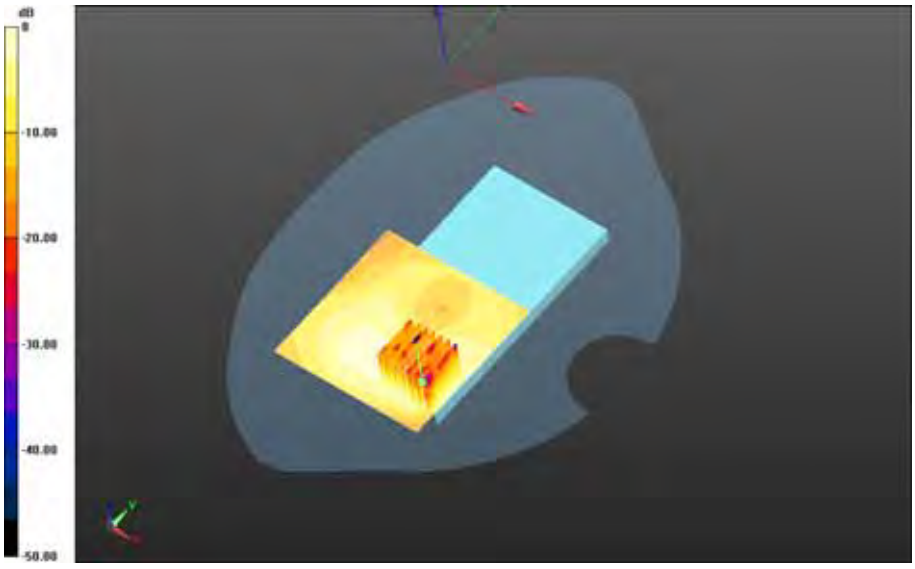

0 dB = 0.0441 W/kg = -13.56 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.688 V/m; **Power Drift = 0.064 dB**

**Fast SAR: SAR(1g) = 0.0377 W/kg; SAR(10g) = 0.0192 W/kg**
Maximum value of SAR (interpolated) = 0.0496 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.688 V/m; **Power Drift = 0.064 dB**

**Averaged SAR: SAR(1g) = 0.0362 W/kg; SAR(10g) = 0.0183 W/kg**
Maximum value of SAR (interpolated) = 0.0744 W/kg



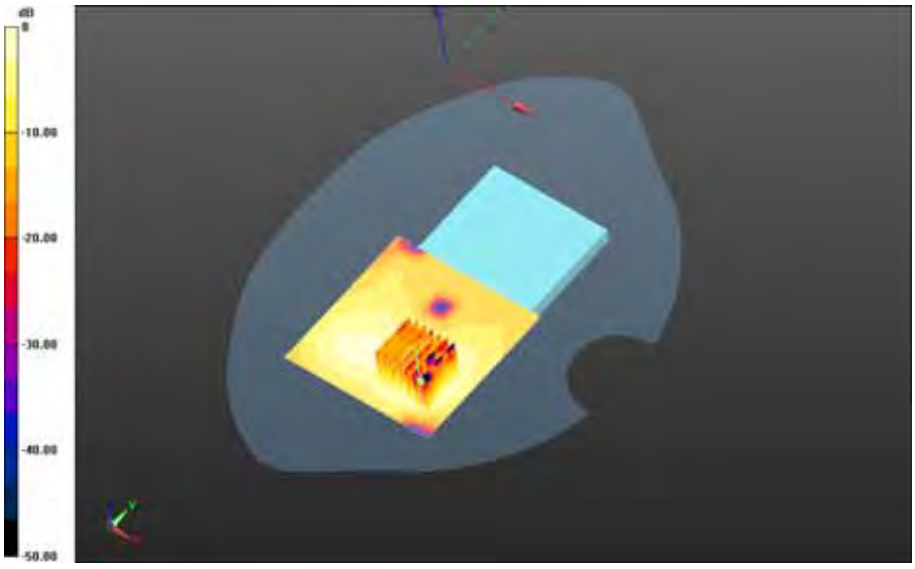

0 dB = 0.0468 W/kg = -13.30 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.488 V/m; **Power Drift = 0.061 dB**

**Fast SAR: SAR(1g) = 0.0404 W/kg; SAR(10g) = 0.0200 W/kg**
Maximum value of SAR (interpolated) = 0.0533 W/kg

**Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.488 V/m; **Power Drift = 0.061 dB**

**Averaged SAR: SAR(1g) = 0.0384 W/kg; SAR(10g) = 0.0189 W/kg**
Maximum value of SAR (interpolated) = 0.0807 W/kg




0 dB = 0.0489 W/kg = -13.11 dBW/kg

**Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.041 V/m; **Power Drift = 0.113 dB**

**Fast SAR: SAR(1g) = 0.00608 W/kg; SAR(10g) = 0.00350 W/kg**
Maximum value of SAR (interpolated) = 0.00760 W/kg

**Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.041 V/m; **Power Drift = 0.113 dB**

**Averaged SAR: SAR(1g) = 0.00620 W/kg; SAR(10g) = 0.00335 W/kg**
Maximum value of SAR (interpolated) = 0.0124 W/kg

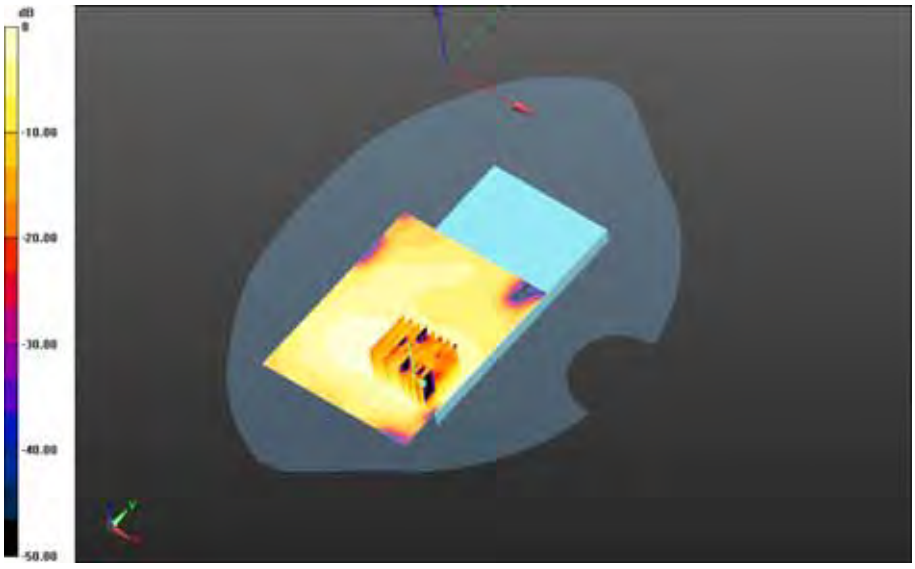

0 dB = 0.00769 W/kg = -21.14 dBW/kg

**Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.735 V/m; **Power Drift = 0.130 dB**

**Fast SAR: SAR(1g) = 0.0179 W/kg; SAR(10g) = 0.00951 W/kg**
Maximum value of SAR (interpolated) = 0.0226 W/kg

**Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan1_amb_temp_23.7C_liq_temp_23.7C/Zoom Scan (36x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.735 V/m; **Power Drift = 0.130 dB**

**Averaged SAR: SAR(1g) = 0.0174 W/kg; SAR(10g) = 0.00892 W/kg**
Maximum value of SAR (interpolated) = 0.0327 W/kg




0 dB = 0.0221 W/kg = -16.56 dBW/kg

# 802.11a/n
# (Primary Antenna_Core 0)

Date: 9/12/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5200 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.798 S/m; $\varepsilon_r$ = 34.187; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

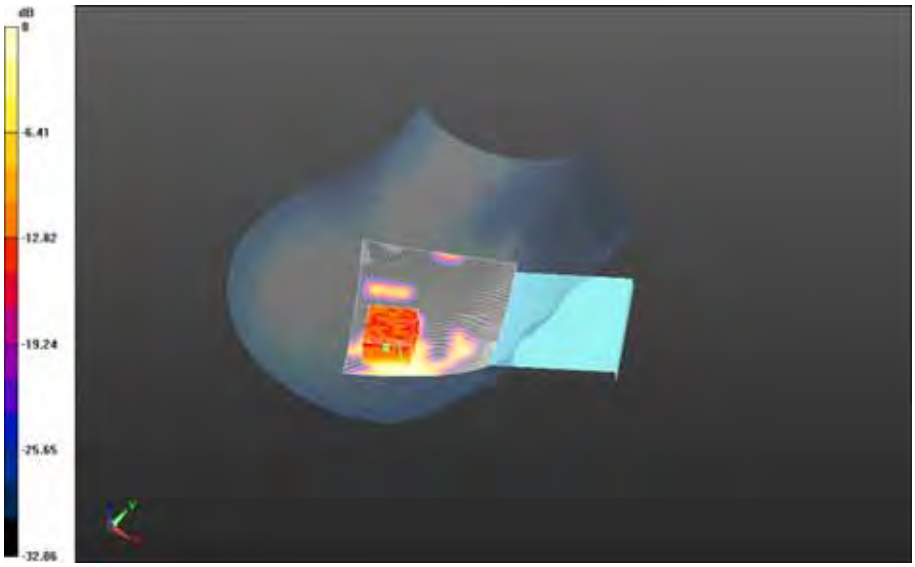
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_liq_temp_23.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.175 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_liq_temp_23.8C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.430 V/m; Power Drift = 0.00663 dB

**Averaged SAR:** SAR(1g) = 0.0793 W/kg; SAR(10g) = 0.0323 W/kg
Maximum value of SAR (interpolated) = 0.276 W/kg

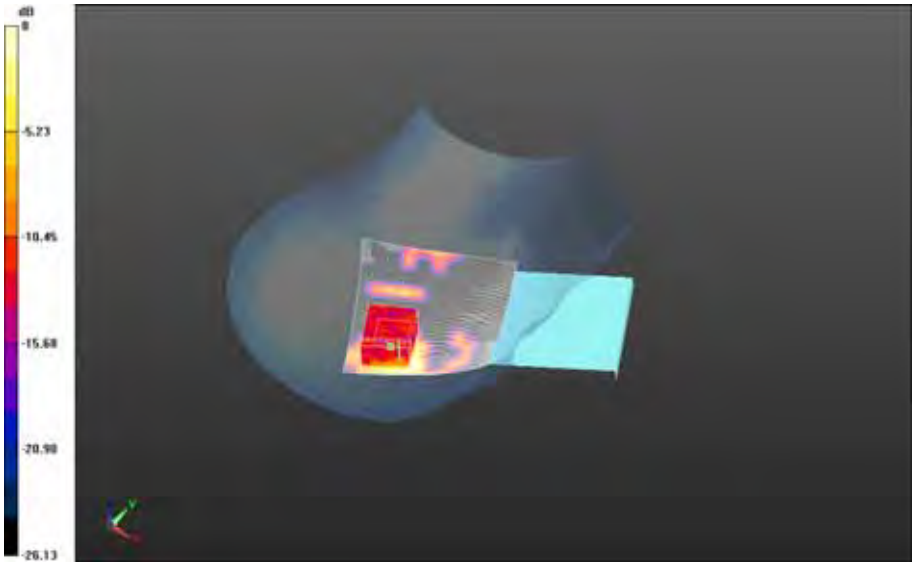



0 dB = 0.154 W/kg = -8.12 dBW/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a_n_U-NII-2A_chan62_amb_temp_24.1C_liq_temp_23.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.157 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a_n_U-NII-2A_chan62_amb_temp_24.1C_liq_temp_23.8C/Zoom Scan (46x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.362 V/m; Power Drift = 0.153 dB

**Averaged SAR:** SAR(1g) = 0.0761 W/kg; SAR(10g) = 0.0303 W/kg
Maximum value of SAR (interpolated) = 0.269 W/kg

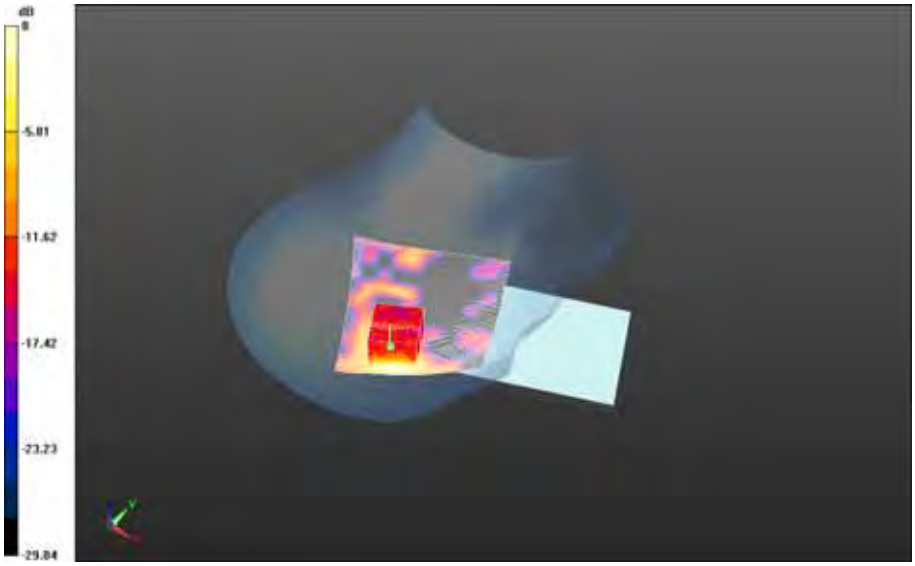



0 dB = 0.151 W/kg = -8.21 dBW/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/TIlt Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_liq_temp_23.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.196 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz/TIlt Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_liq_temp_23.8C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.401 V/m; Power Drift = 0.294 dB

**Averaged SAR:** SAR(1g) = 0.0945 W/kg; SAR(10g) = 0.0358 W/kg
Maximum value of SAR (interpolated) = 0.346 W/kg




0 dB = 0.185 W/kg = -7.33 dBW/kg

Date: 9/12/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5500 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5670 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5670 MHz; $\sigma$ = 5.275 S/m; $\varepsilon_r$ = 33.765; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

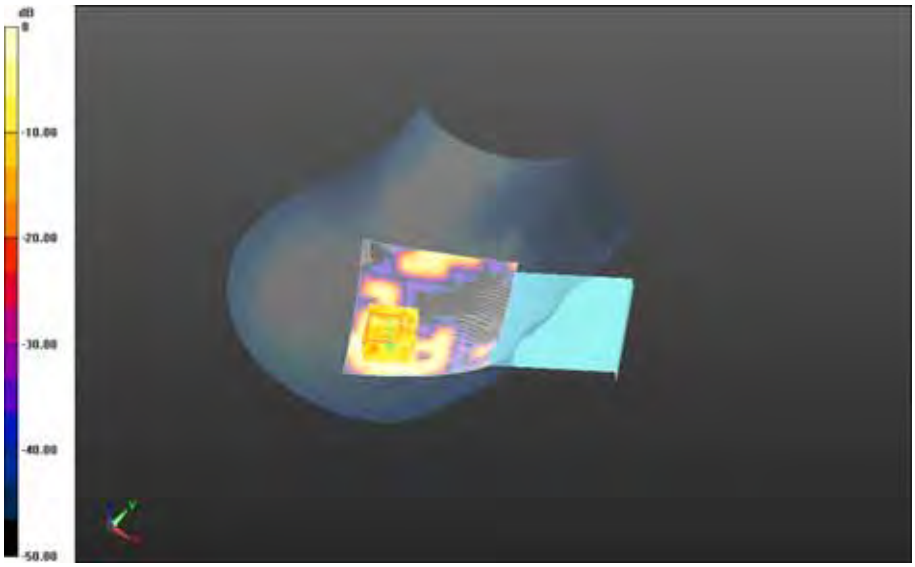
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5500 MHz/Touch Position - 802.11a-n_U-NII-2C_chan134_amb_temp_24.1C_liq_temp_22.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.118 W/kg

**Right-Hand-Side HSL - 802.11a_n 5500 MHz/Touch Position - 802.11a-n_U-NII-2C_chan134_amb_temp_24.1C_liq_temp_22.8C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.805 V/m; Power Drift = 0.539 dB

**Averaged SAR:** SAR(1g) = 0.0499 W/kg; SAR(10g) = 0.0189 W/kg
Maximum value of SAR (interpolated) = 0.205 W/kg




0 dB = 0.0914 W/kg = -10.39 dBW/kg

Date: 9/12/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

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

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 5.421 S/m; $\varepsilon_r$ = 33.827; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

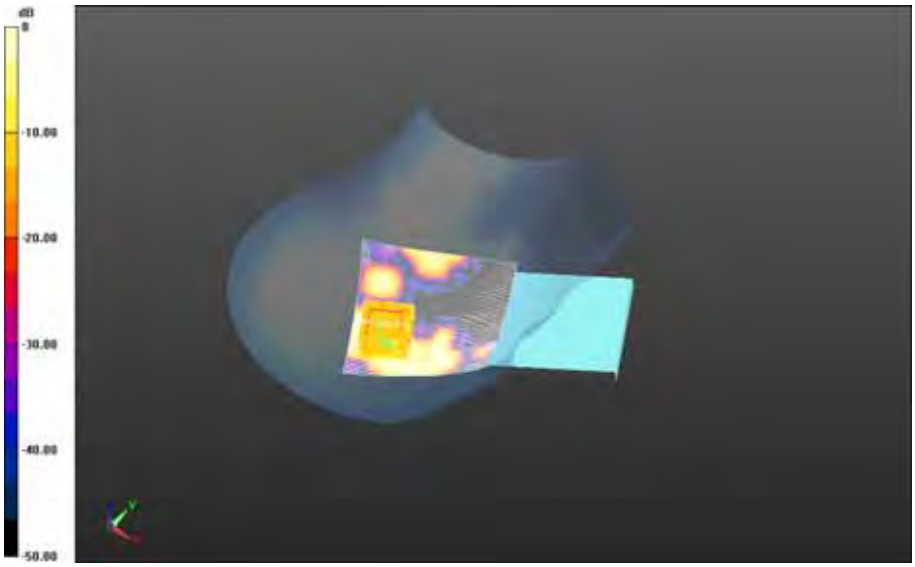
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5800 MHz/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_24.1C_liq_temp_23.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

**Right-Hand-Side HSL - 802.11a_n 5800 MHz/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_24.1C_liq_temp_23.8C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.996 V/m; Power Drift = 0.024 dB

**Averaged SAR:** SAR(1g) = 0.0651 W/kg; SAR(10g) = 0.0244 W/kg
Maximum value of SAR (interpolated) = 0.364 W/kg




0 dB = 0.127 W/kg = -8.96 dBW/kg

Date: 9/12/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5200 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.798 S/m; $\varepsilon_r$ = 34.187; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

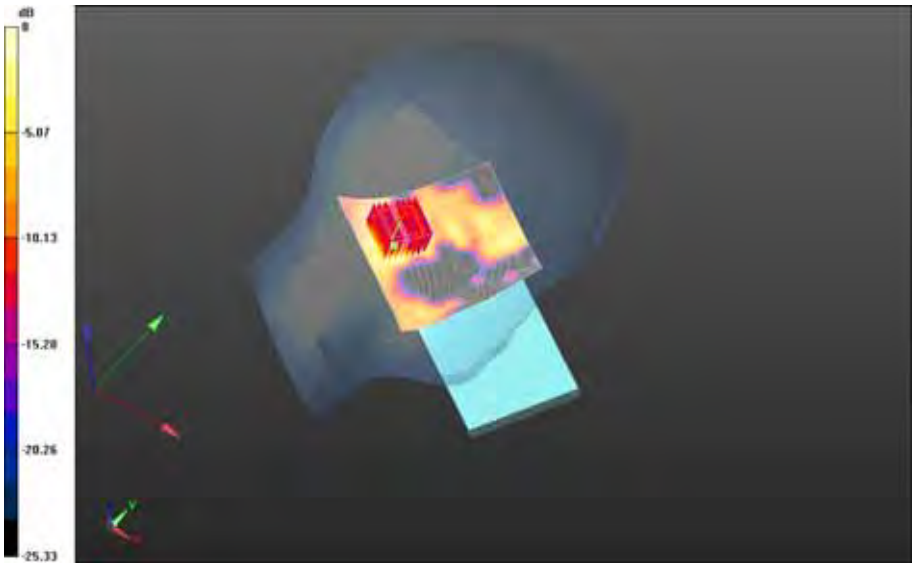
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a-n_U-NII-2A_chan54_temp_24.2C_liq_temp_23.7C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.159 W/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz/Touch Position - 802.11a-n_U-NII-2A_chan54_temp_24.2C_liq_temp_23.7C/Zoom Scan (36x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.790 V/m; Power Drift = -0.00754 dB

**Averaged SAR:** SAR(1g) = 0.0874 W/kg; SAR(10g) = 0.0346 W/kg
Maximum value of SAR (interpolated) = 0.312 W/kg

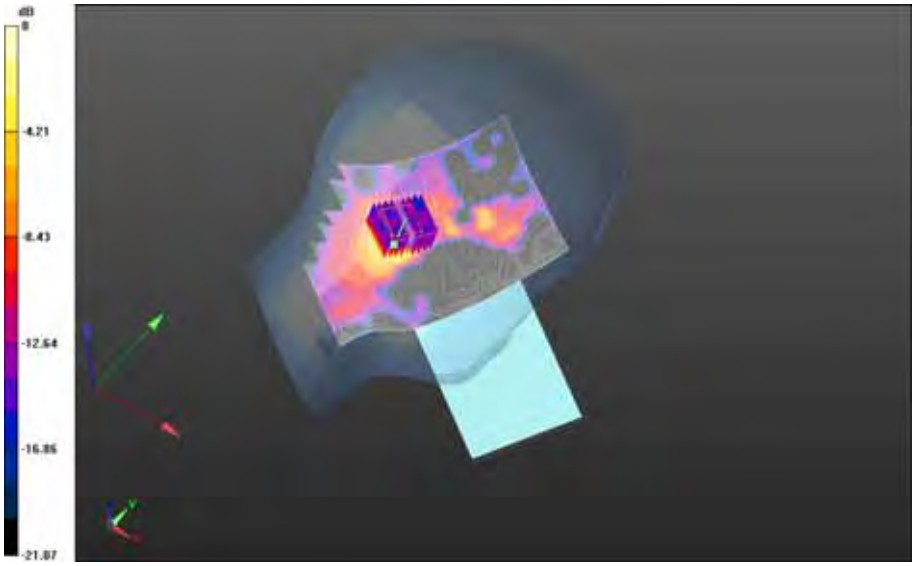



0 dB = 0.160 W/kg = -7.96 dBW/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz/Tilt Position -802.11a-n_U-NII-2A_chan54_amb_temp_23.9C_liq_temp_23.3C/Area Scan (161x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.198 W/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz/Tilt Position -802.11a-n_U-NII-2A_chan54_amb_temp_23.9C_liq_temp_23.3C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.244 V/m; Power Drift = -0.091 dB

**Averaged SAR:** SAR(1g) = 0.109 W/kg; SAR(10g) = 0.0411 W/kg
Maximum value of SAR (interpolated) = 0.403 W/kg




0 dB = 0.204 W/kg = -6.90 dBW/kg

Date: 9/14/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5500 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5670 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5670 MHz; $\sigma$ = 5.289 S/m; $\varepsilon_r$ = 33.890; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

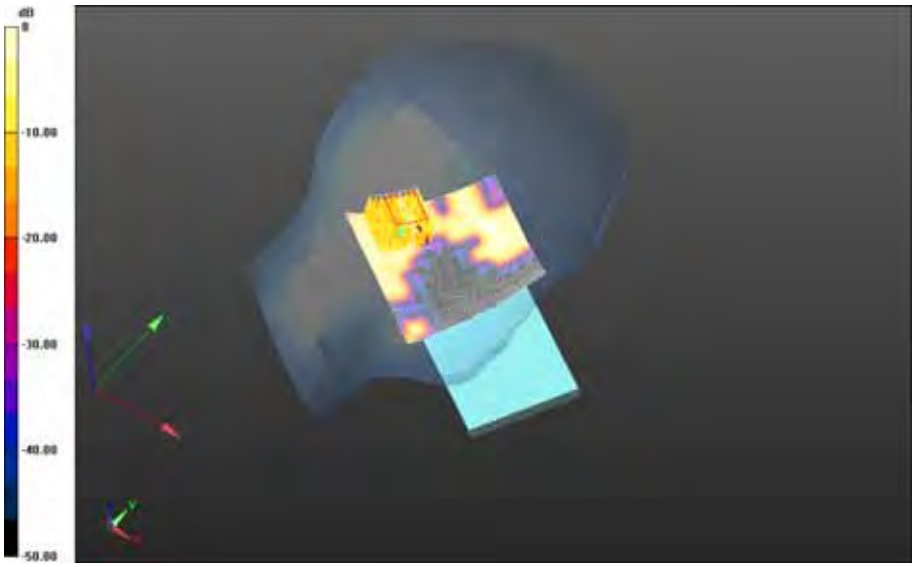
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5500 MHz/Touch Position - 802.11a-n_U-NII-2C_chan134_amb_temp_23.9C_liq_temp_21.7C 3/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.105 W/kg

**Left-Hand-Side HSL - 802.11a_n 5500 MHz/Touch Position - 802.11a-n_U-NII-2C_chan134_amb_temp_23.9C_liq_temp_21.7C 3/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.026 V/m; Power Drift = 0.511 dB

**Averaged SAR:** SAR(1g) = 0.0477 W/kg; SAR(10g) = 0.0196 W/kg
Maximum value of SAR (interpolated) = 0.186 W/kg




0 dB = 0.0914 W/kg = -10.39 dBW/kg

Date: 9/14/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

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

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 5.421 S/m; $\varepsilon_r$ = 33.827; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

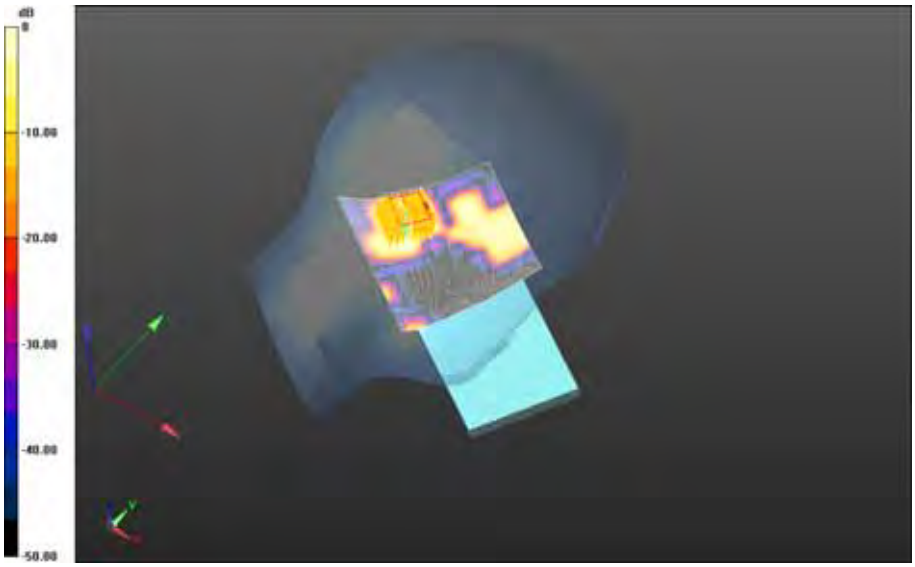
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5800 MHz/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.160 W/kg

**Left-Hand-Side HSL - 802.11a_n 5800 MHz/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_22.5C/Zoom Scan (36x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.826 V/m; Power Drift = 0.297 dB

**Averaged SAR:** SAR(1g) = 0.0730 W/kg; SAR(10g) = 0.0282 W/kg
Maximum value of SAR (interpolated) = 0.351 W/kg




0 dB = 0.134 W/kg = -8.73 dBW/kg

Date: 9/14/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.811 S/m; $\varepsilon_r$ = 34.597; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

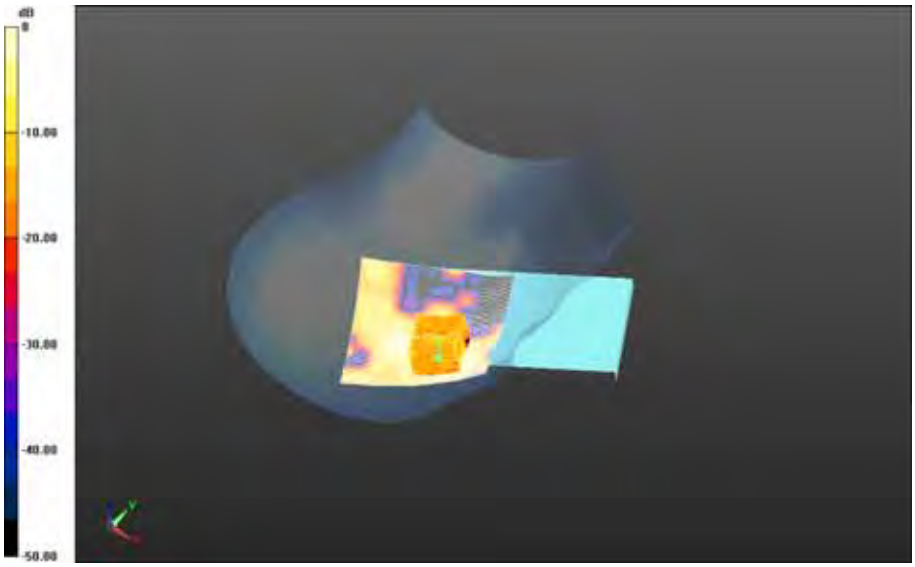
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.41C_liq_temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.154 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.41C_liq_temp_22.5C/Zoom Scan (46x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.352 V/m; Power Drift = 0.567 dB

**Averaged SAR:** SAR(1g) = 0.104 W/kg; SAR(10g) = 0.0325 W/kg
Maximum value of SAR (interpolated) = 0.695 W/kg

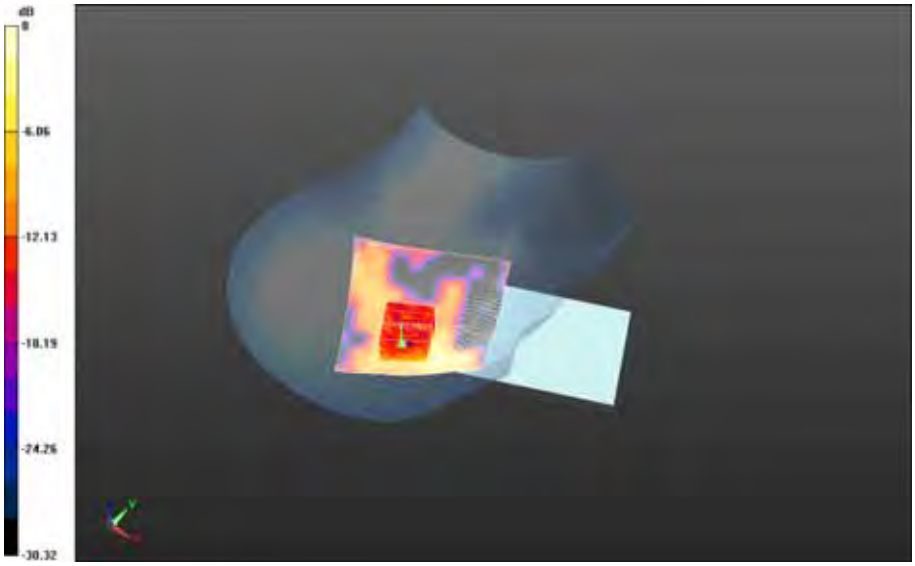



0 dB = 0.157 W/kg = -8.04 dBW/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/TIlt Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_liq_temp_22.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.137 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/TIlt Position - 802.11a-n_U-NII-2A_chan54_amb_temp_24.1C_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 = 2.415 V/m; Power Drift = -0.165 dB

**Averaged SAR:** SAR(1g) = 0.0830 W/kg; SAR(10g) = 0.0277 W/kg
Maximum value of SAR (interpolated) = 0.370 W/kg




0 dB = 0.155 W/kg = -8.10 dBW/kg

Date: 9/12/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.798 S/m; $\varepsilon_r$ = 34.187; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

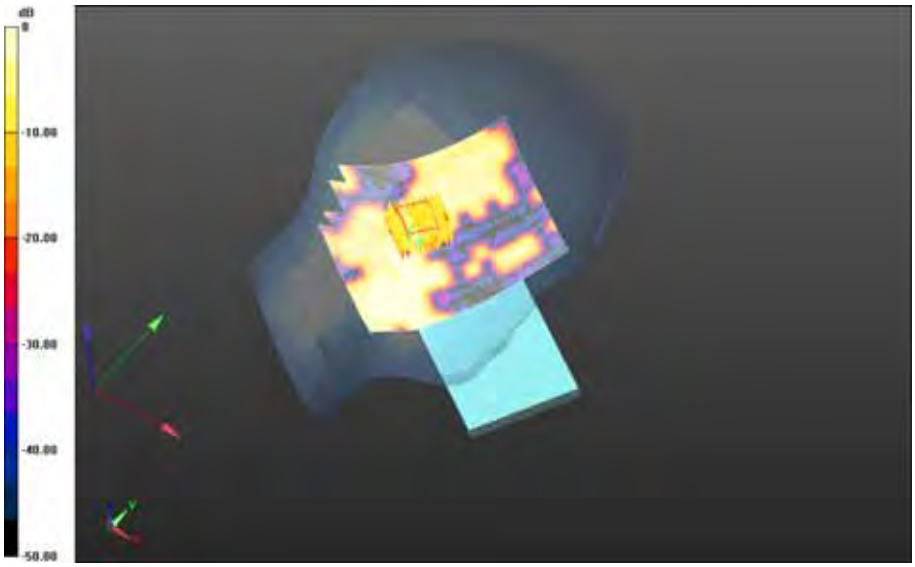
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-2A_chan54_temp_24.2C_liq_temp_23.7C/Area Scan (141x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0917 W/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-2A_chan54_temp_24.2C_liq_temp_23.7C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.448 V/m; Power Drift = 0.036 dB

**Averaged SAR:** SAR(1g) = 0.0317 W/kg; SAR(10g) = 0.0106 W/kg
Maximum value of SAR (interpolated) = 0.206 W/kg

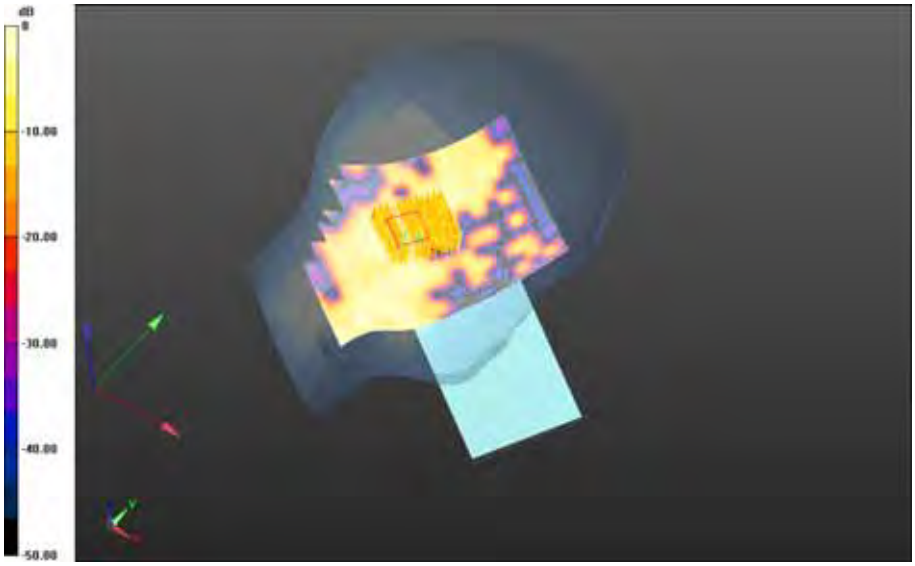



0 dB = 0.0596 W/kg = -12.25 dBW/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Tilt Position -802.11a-n_U-NII-2A_chan54_amb_temp_23.8C_liq_temp_23.0C/Area Scan (161x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.104 W/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Open/Tilt Position -802.11a-n_U-NII-2A_chan54_amb_temp_23.8C_liq_temp_23.0C/Zoom Scan (56x51x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.890 V/m; Power Drift = 0.301 dB

**Averaged SAR:** SAR(1g) = 0.0531 W/kg; SAR(10g) = 0.0200 W/kg
Maximum value of SAR (interpolated) = 0.192 W/kg




0 dB = 0.0993 W/kg = -10.03 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5230 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5230 MHz; $\sigma$ = 5.594 S/m; $\varepsilon_r$ = 46.738; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

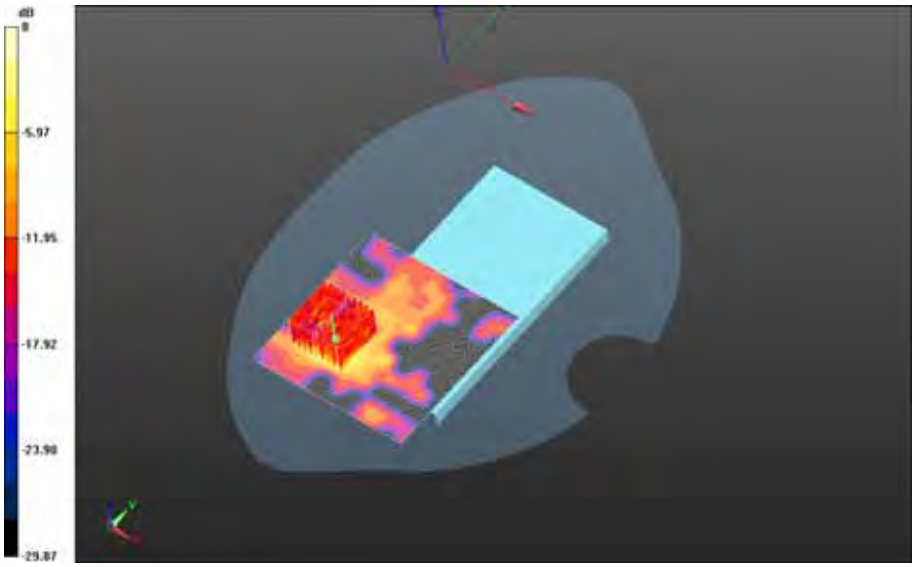
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-1_chan46_Amb_Temp_24.2C_Liquid_Temp_22.2C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-1_chan46_Amb_Temp_24.2C_Liquid_Temp_22.2C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.731 V/m; Power Drift = 0.080 dB

**Averaged SAR:** SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0371 W/kg
Maximum value of SAR (interpolated) = 0.378 W/kg




0 dB = 0.211 W/kg = -6.76 dBW/kg

Date: 9/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

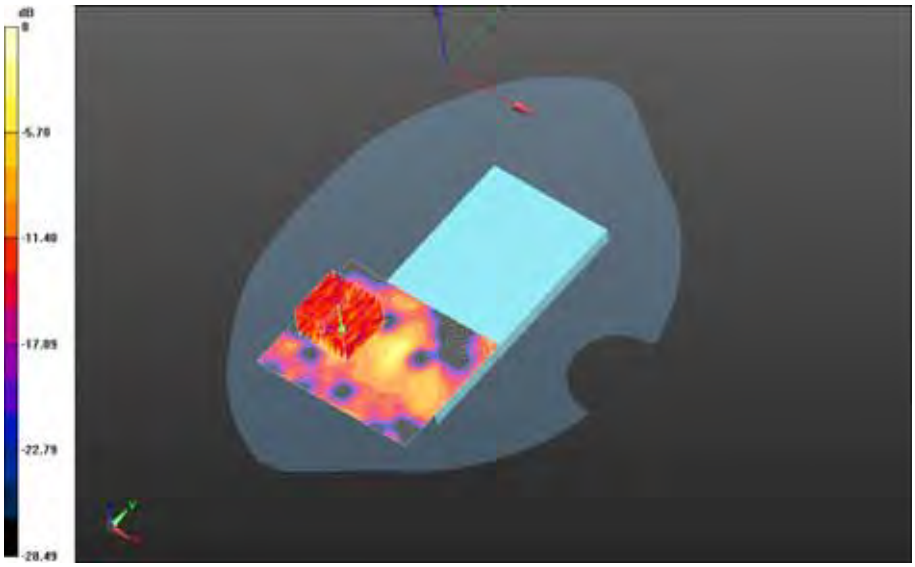
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_24.0C_Liquid_Temp_22.5C/Area Scan (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.214 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_24.0C_Liquid_Temp_22.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.712 V/m; Power Drift = 0.412 dB

**Averaged SAR:** SAR(1g) = 0.0891 W/kg; SAR(10g) = 0.0325 W/kg
Maximum value of SAR (interpolated) = 0.349 W/kg




0 dB = 0.188 W/kg = -7.26 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5190 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5190 MHz; $\sigma$ = 5.552 S/m; $\varepsilon_r$ = 46.851; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

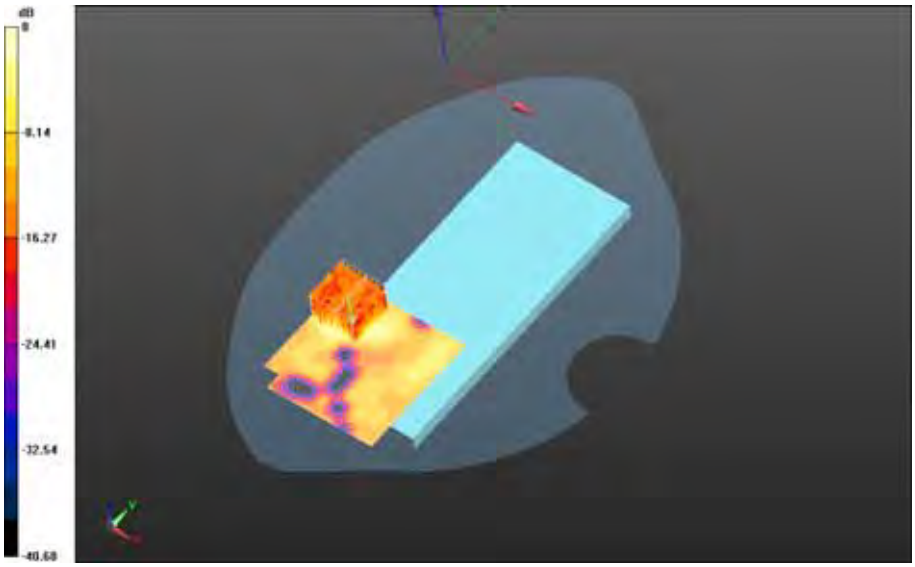
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_23.4C_Liquid_Temp_22.3C/Area Scan (81x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.270 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_23.4C_Liquid_Temp_22.3C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.784 V/m; Power Drift = 0.00182 dB

**Averaged SAR:** SAR(1g) = 0.133 W/kg; SAR(10g) = 0.0456 W/kg
Maximum value of SAR (interpolated) = 0.473 W/kg

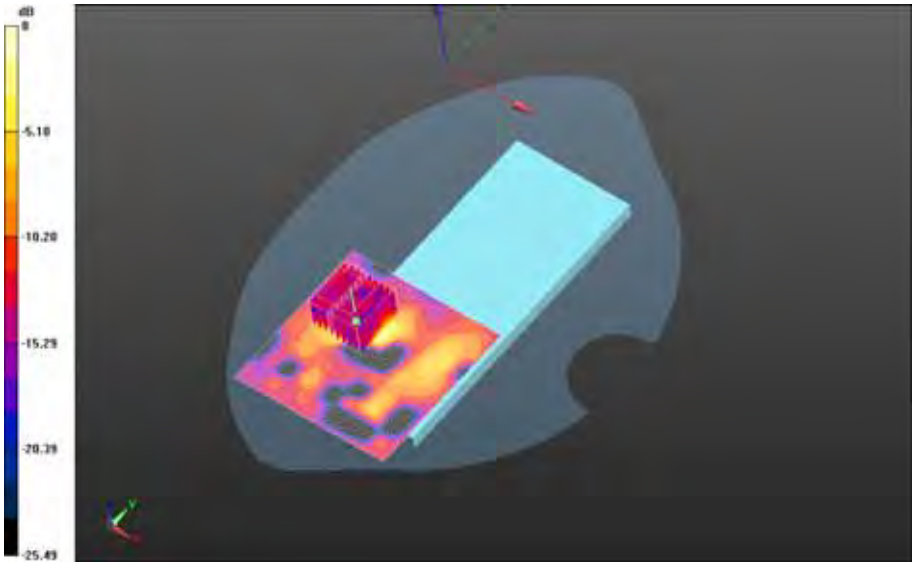



0 dB = 0.267 W/kg = -5.73 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan46_Amb_Temp_23.3C_Liquid_Temp_22.3C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.289 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan46_Amb_Temp_23.3C_Liquid_Temp_22.3C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.733 V/m; Power Drift = 0.203 dB

**Averaged SAR:** SAR(1g) = 0.125 W/kg; SAR(10g) = 0.0451 W/kg
Maximum value of SAR (interpolated) = 0.515 W/kg

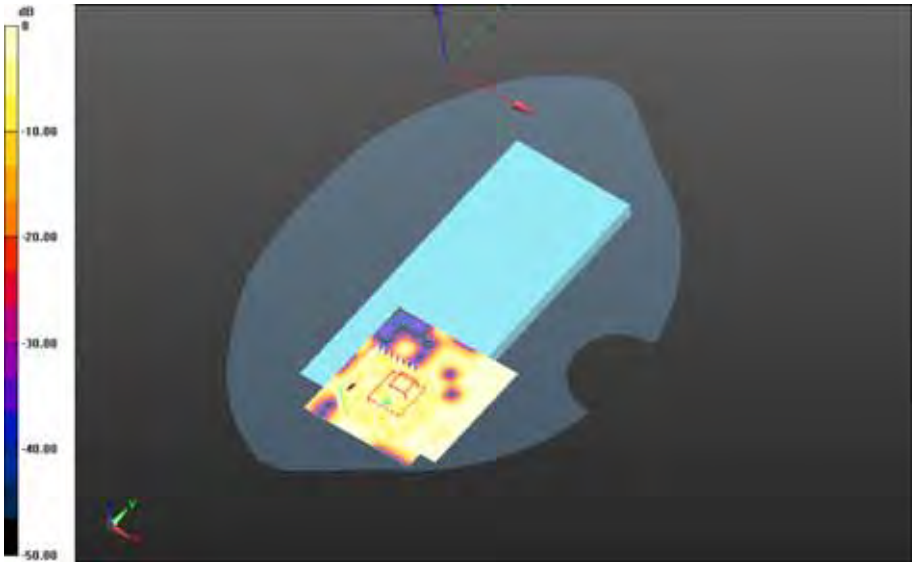



0 dB = 0.229 W/kg = -6.40 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Front - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.0C_Liquid_Temp_22.0C/Area Scan (81x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0249 W/kg
1g avg. SAR maximum on border.
10g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Front - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.0C_Liquid_Temp_22.0C/Zoom Scan (51x46x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.724 V/m; Power Drift = 0.550 dB

**Averaged SAR:** SAR(1g) = 0.0109 W/kg; SAR(10g) = 0.00689 W/kg
Maximum value of SAR (interpolated) = 0.0978 W/kg

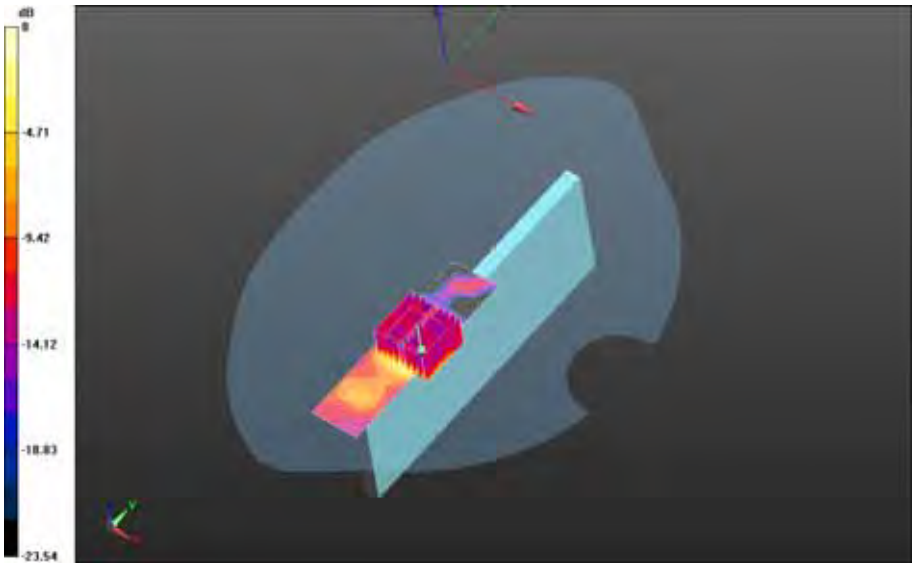



0 dB = 0.0206 W/kg = -16.86 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Left - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.1C_Liquid_Temp_22.1C/Area Scan (31x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.210 W/kg
10g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Left - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.1C_Liquid_Temp_22.1C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.298 V/m; Power Drift = -0.039 dB

**Averaged SAR:** SAR(1g) = 0.108 W/kg; SAR(10g) = 0.0402 W/kg
Maximum value of SAR (interpolated) = 0.413 W/kg

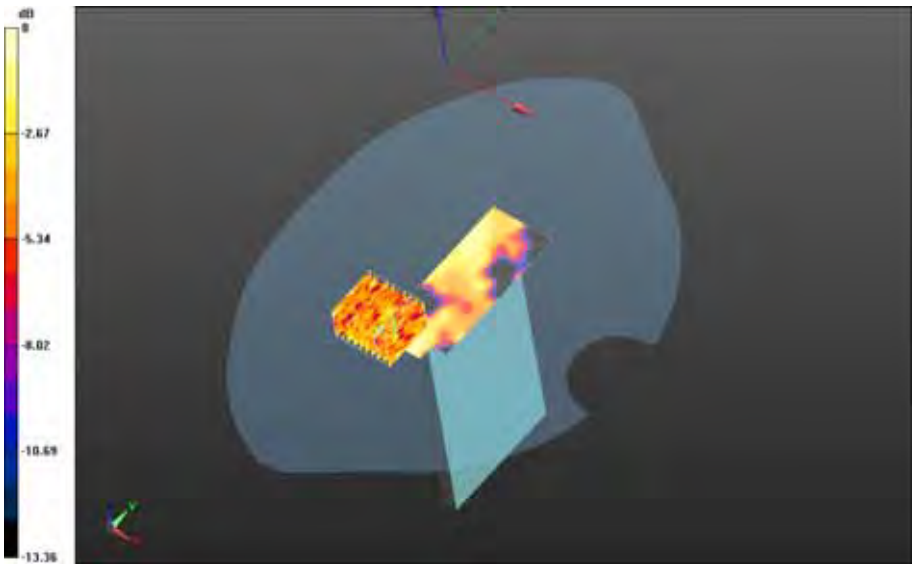



0 dB = 0.199 W/kg = -7.01 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Top - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.1C_Liquid_Temp_22.1C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0237 W/kg
1g avg. SAR maximum on border.
10g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Top - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.1C_Liquid_Temp_22.1C/Zoom Scan (46x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.827 V/m; Power Drift = -0.119 dB

**Averaged SAR:** SAR(1g) = 0.0161 W/kg; SAR(10g) = 0.0106 W/kg
Maximum value of SAR (interpolated) = 0.0977 W/kg




0 dB = 0.0247 W/kg = -16.07 dBW/kg

Date: 9/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

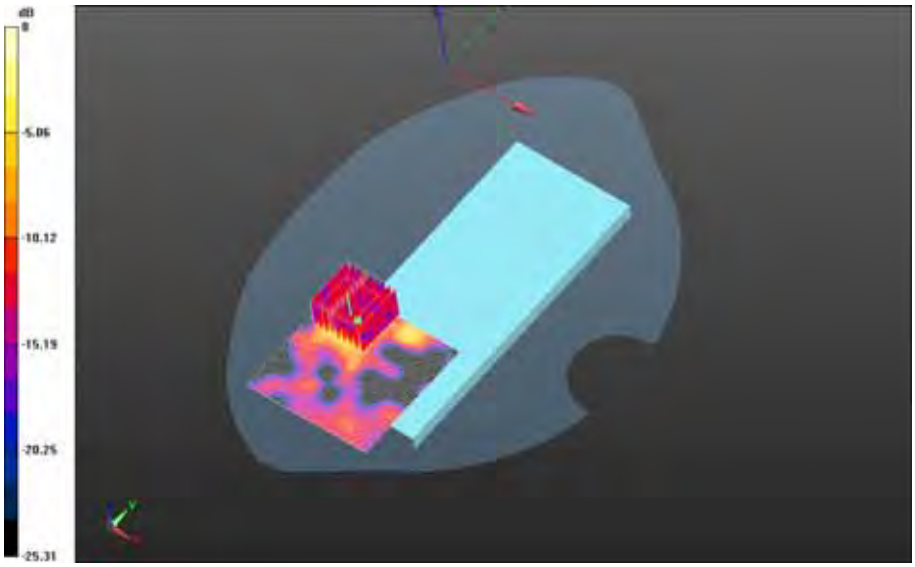
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.6C_Liquid_Temp_22.5C/Area Scan (81x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.247 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.6C_Liquid_Temp_22.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.876 V/m; Power Drift = 0.064 dB

**Averaged SAR:** SAR(1g) = 0.116 W/kg; SAR(10g) = 0.0407 W/kg
Maximum value of SAR (interpolated) = 0.459 W/kg




0 dB = 0.229 W/kg = -6.40 dBW/kg

Date: 9/10/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11a_n 5200 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 5.645 S/m; $\varepsilon_r$ = 46.642; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

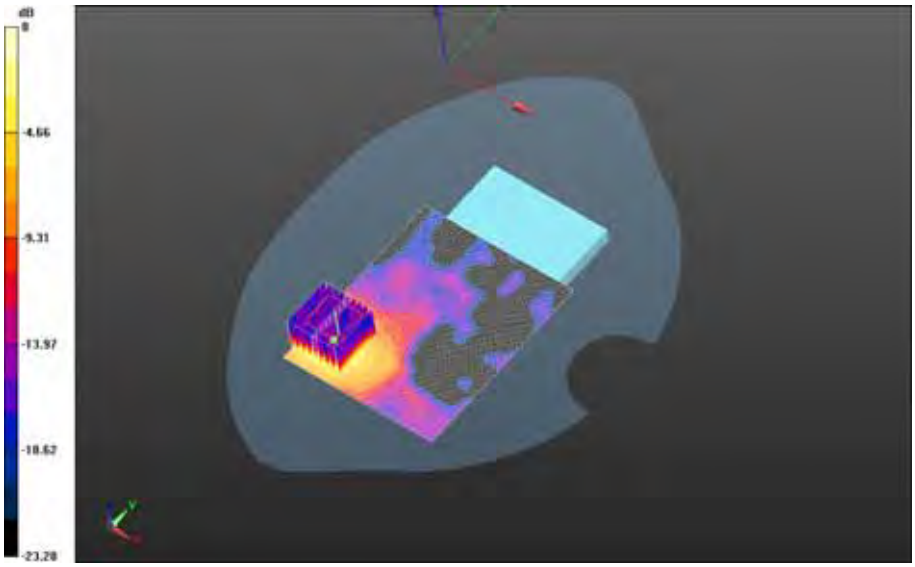
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan54_Amb_Temp_24.1C_Liquid_Temp_23.2C/Area Scan (101x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.394 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan54_Amb_Temp_24.1C_Liquid_Temp_23.2C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.959 V/m; Power Drift = 0.132 dB

**Averaged SAR:** SAR(1g) = 0.219 W/kg; SAR(10g) = 0.0867 W/kg
Maximum value of SAR (interpolated) = 0.863 W/kg

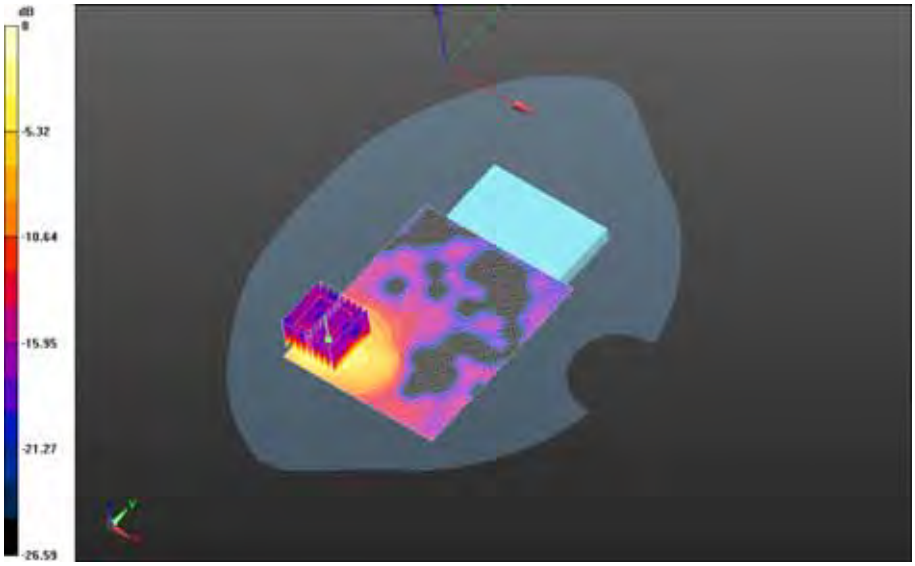



0 dB = 0.389 W/kg = -4.10 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.6C_Liquid_Temp_22.2C/Area Scan (101x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.499 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.6C_Liquid_Temp_22.2C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.259 V/m; Power Drift = -0.050 dB

**Averaged SAR:** SAR(1g) = 0.274 W/kg; SAR(10g) = 0.106 W/kg
Maximum value of SAR (interpolated) = 0.999 W/kg

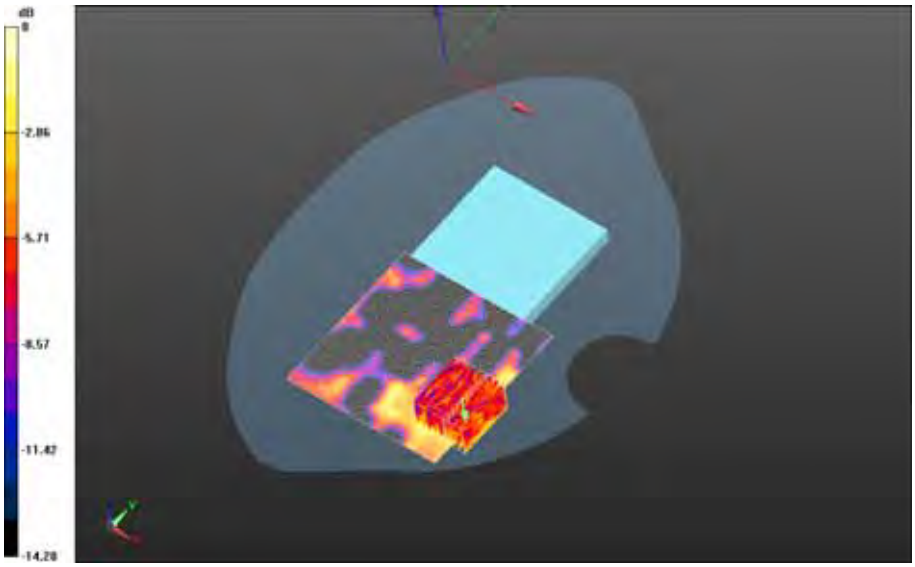



0 dB = 0.509 W/kg = -2.93 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Front - 802.11a-n_U-NII-2A_chan62_Amb_Temp_24.1C_Liquid_Temp_22.3C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0506 W/kg
10g avg. SAR maximum on border.

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Front - 802.11a-n_U-NII-2A_chan62_Amb_Temp_24.1C_Liquid_Temp_22.3C/Zoom Scan (41x46x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.985 V/m; Power Drift = 0.147 dB

**Averaged SAR:** SAR(1g) = 0.0300 W/kg; SAR(10g) = 0.0174 W/kg
Maximum value of SAR (interpolated) = 0.0893 W/kg

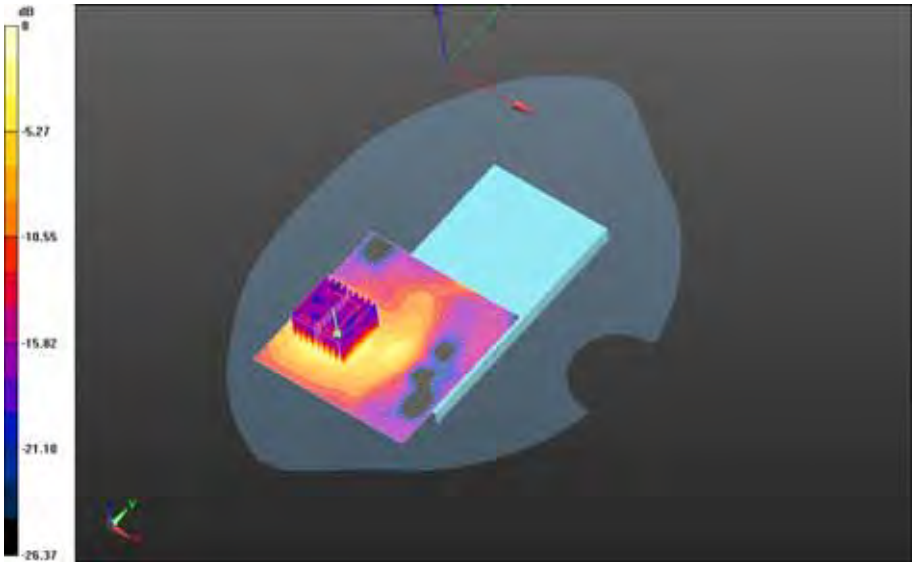



0 dB = 0.0492 W/kg = -13.08 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/Holster Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.9C_Liquid_Temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.469 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/Holster Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.9C_Liquid_Temp_22.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.909 V/m; Power Drift = 0.178 dB

**Averaged SAR:** SAR(1g) = 0.264 W/kg; SAR(10g) = 0.108 W/kg
Maximum value of SAR (interpolated) = 0.974 W/kg




0 dB = 0.479 W/kg = -3.20 dBW/kg

Date: 9/9/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Body Worn MSL - 802.11a_n 5500 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5670 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5670 MHz; $\sigma$ = 6.094 S/m; $\varepsilon_r$ = 46.519; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

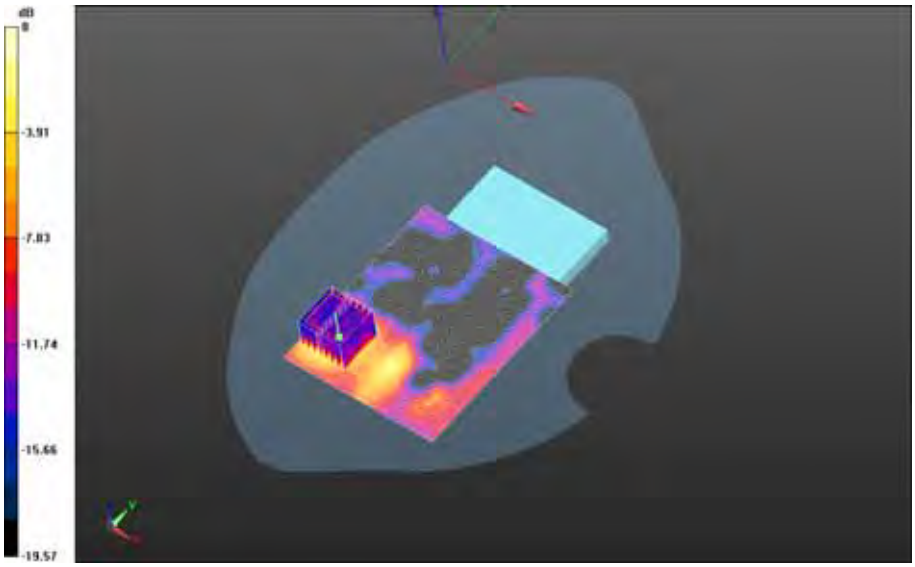
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.78,3.78,3.78); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5500 MHz/15mm Device Back - 802.11a-n_U-NII-2C_chan134_Amb_Temp_23.5C_Liquid_Temp_22.4C/Area Scan (101x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.283 W/kg

**Body Worn MSL - 802.11a_n 5500 MHz/15mm Device Back - 802.11a-n_U-NII-2C_chan134_Amb_Temp_23.5C_Liquid_Temp_22.4C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.130 V/m; Power Drift = 0.045 dB

**Averaged SAR:** SAR(1g) = 0.141 W/kg; SAR(10g) = 0.0592 W/kg
Maximum value of SAR (interpolated) = 0.586 W/kg




0 dB = 0.259 W/kg = -5.87 dBW/kg

Date: 9/9/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11a_n 5800 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

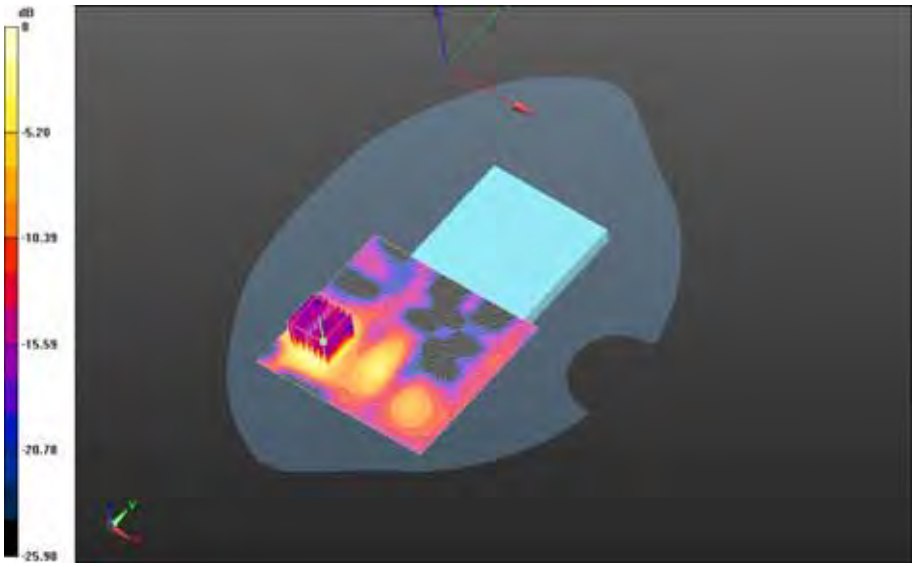
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5800 MHz/15mm Device Back - 802.11a_n_U-NII-3_chan151_Amb_Temp_23.5C_Liquid_Temp_22.2C/Area Scan (111x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.439 W/kg

**Body Worn MSL - 802.11a_n 5800 MHz/15mm Device Back - 802.11a_n_U-NII-3_chan151_Amb_Temp_23.5C_Liquid_Temp_22.2C/Zoom Scan (31x31x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.815 V/m; Power Drift = -0.151 dB

**Averaged SAR:** SAR(1g) = 0.232 W/kg; SAR(10g) = 0.0847 W/kg
Maximum value of SAR (interpolated) = 0.989 W/kg




0 dB = 0.431 W/kg = -3.66 dBW/kg

# 802.11a/n
# (Secondary Antenna_Core 1)

Date: 9/14/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.811 S/m; $\varepsilon_r$ = 34.597; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

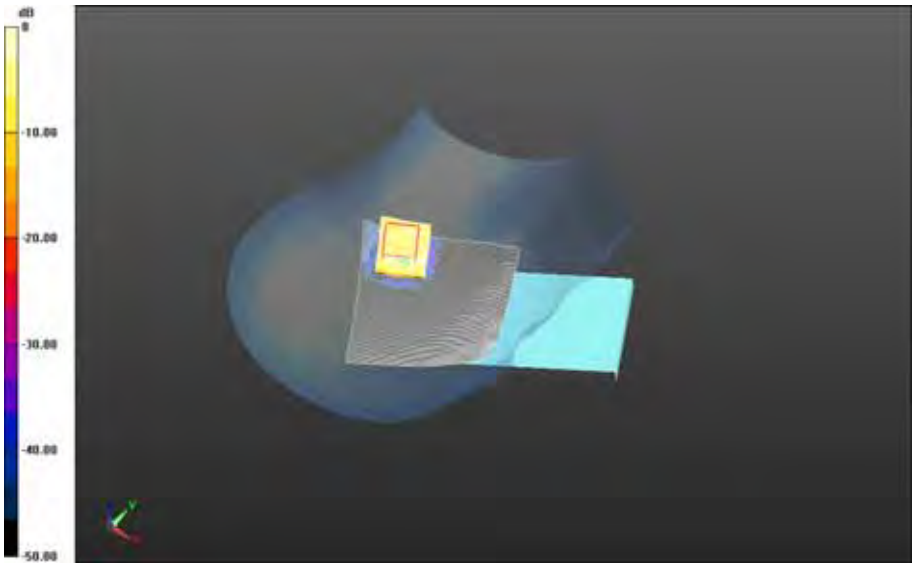
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.8C_liq_temp_22.2C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0167 W/kg

**Right-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.8C_liq_temp_22.2C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.182 V/m; Power Drift = 0.233 dB

**Averaged SAR:** SAR(1g) = 0.00685 W/kg; SAR(10g) = 0.00443 W/kg
Maximum value of SAR (interpolated) = 0.0566 W/kg




0 dB = 0.0165 W/kg = -17.83 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5510 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5510 MHz; $\sigma$ = 5.095 S/m; $\varepsilon_r$ = 34.185; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

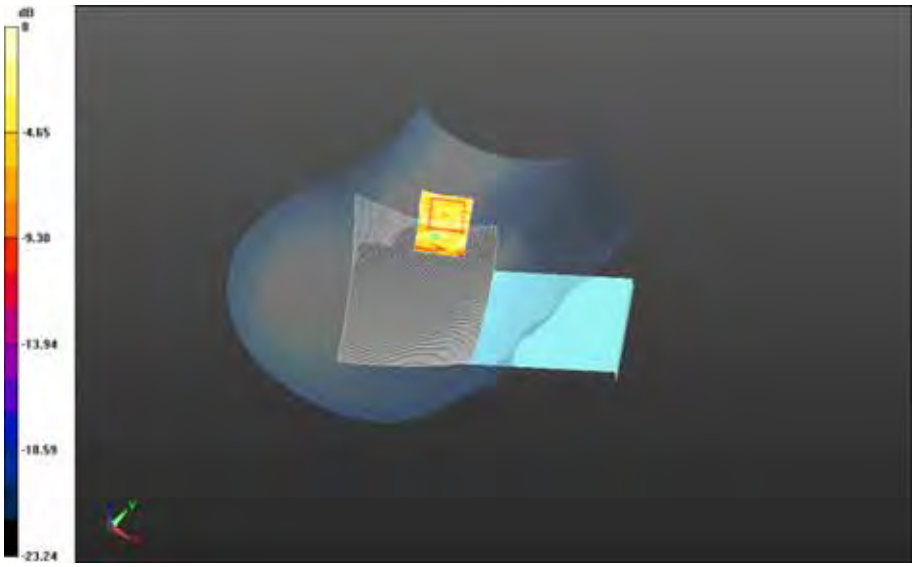
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2C_chan102_amb_temp_23.7C_liq_temp_21.6C/Area Scan (111x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0116 W/kg
10g avg. SAR maximum on border.

**Right-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2C_chan102_amb_temp_23.7C_liq_temp_21.6C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.336 V/m; Power Drift = 0.594 dB

**Averaged SAR:** SAR(1g) = 0.00919 W/kg; SAR(10g) = 0.00670 W/kg
Maximum value of SAR (interpolated) = 0.0728 W/kg




0 dB = 0.0179 W/kg = -17.47 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 5.381 S/m; $\varepsilon_r$ = 33.753; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

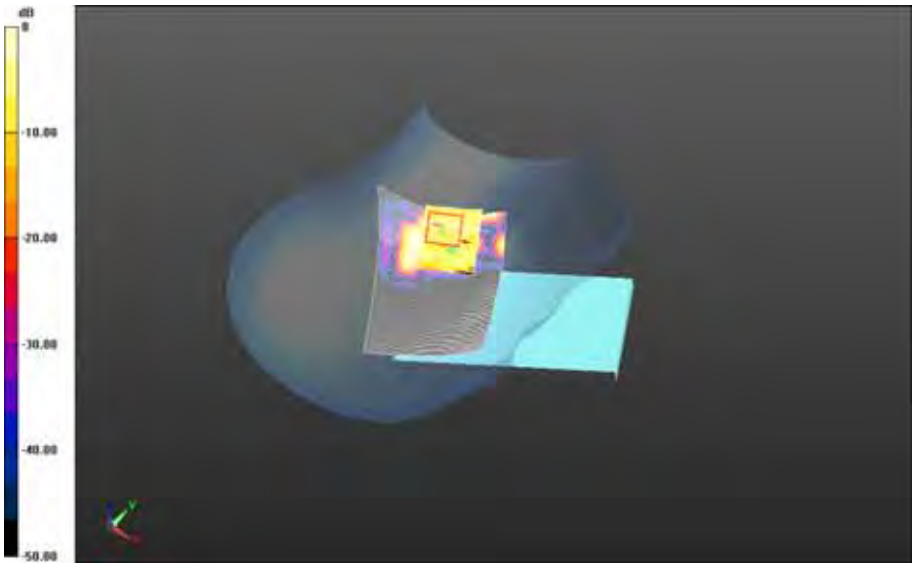
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_21.6C/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0791 W/kg

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_21.6C/Zoom Scan (46x46x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.786 V/m; Power Drift = 0.081 dB

**Averaged SAR:** SAR(1g) = 0.0183 W/kg; SAR(10g) = 0.00947 W/kg
Maximum value of SAR (interpolated) = 0.0838 W/kg




0 dB = 0.0328 W/kg = -14.84 dBW/kg

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.5C_liq_temp_22.3C/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0420 W/kg

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.5C_liq_temp_22.3C/Zoom Scan (36x46x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.422 V/m; Power Drift = 1.342 dB

**Averaged SAR:** SAR(1g) = 0.0179 W/kg; SAR(10g) = 0.0104 W/kg
Maximum value of SAR (interpolated) = 0.0771 W/kg


0 dB = 0.0261 W/kg = -15.83 dBW/kg

Date: 9/14/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 4.811 S/m; $\varepsilon_r$ = 34.597; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.5C_liq_temp_21.9C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0307 W/kg

**Left-Hand-Side HSL - 802.11a_n 5200 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2A_chan54_amb_temp_23.5C_liq_temp_21.9C/Zoom Scan (51x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.292 V/m; Power Drift = 0.159 dB

**Averaged SAR:** SAR(1g) = 0.0145 W/kg; SAR(10g) = 0.00543 W/kg
Maximum value of SAR (interpolated) = 0.152 W/kg


0 dB = 0.0243 W/kg = -16.14 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5510 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5510 MHz; $\sigma$ = 5.095 S/m; $\varepsilon_r$ = 34.185; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

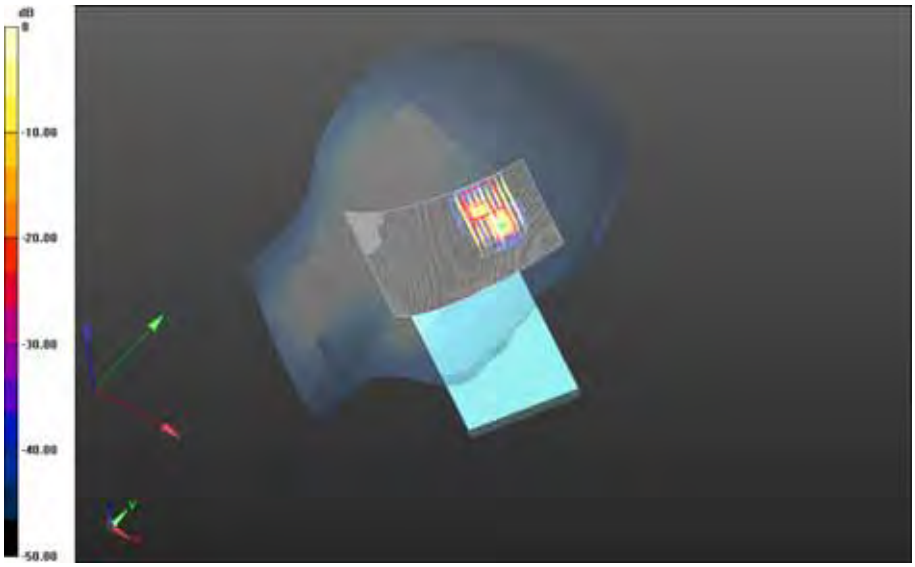
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2C_chan102_amb_temp_24.1C_liq_temp_22.0C/Area Scan (121x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0207 W/kg

**Left-Hand-Side HSL - 802.11a_n 5500 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-2C_chan102_amb_temp_24.1C_liq_temp_22.0C/Zoom Scan (41x51x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.244 V/m; Power Drift = -0.00836 dB

**Averaged SAR:** SAR(1g) = 0.00118 W/kg; SAR(10g) = 0.000120 W/kg
Maximum value of SAR (interpolated) = 0.0362 W/kg




0 dB = 0.0170 W/kg = -17.70 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 5.381 S/m; $\varepsilon_r$ = 33.753; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

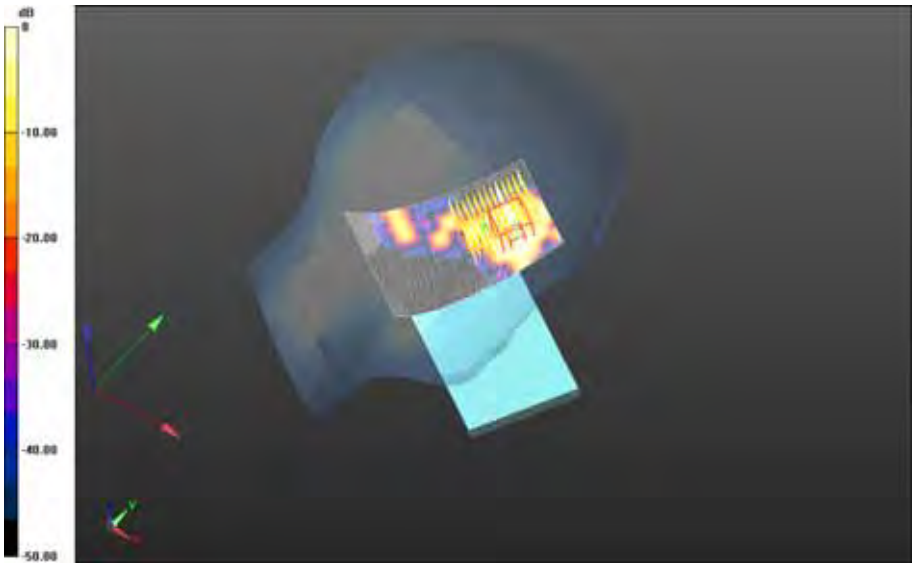
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_24.1C_liq_temp_21.8C/Area Scan (121x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0885 W/kg

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_24.1C_liq_temp_21.8C/Zoom Scan (61x56x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.771 V/m; Power Drift = 0.323 dB

**Averaged SAR:** SAR(1g) = 0.0289 W/kg; SAR(10g) = 0.0110 W/kg
Maximum value of SAR (interpolated) = 0.202 W/kg

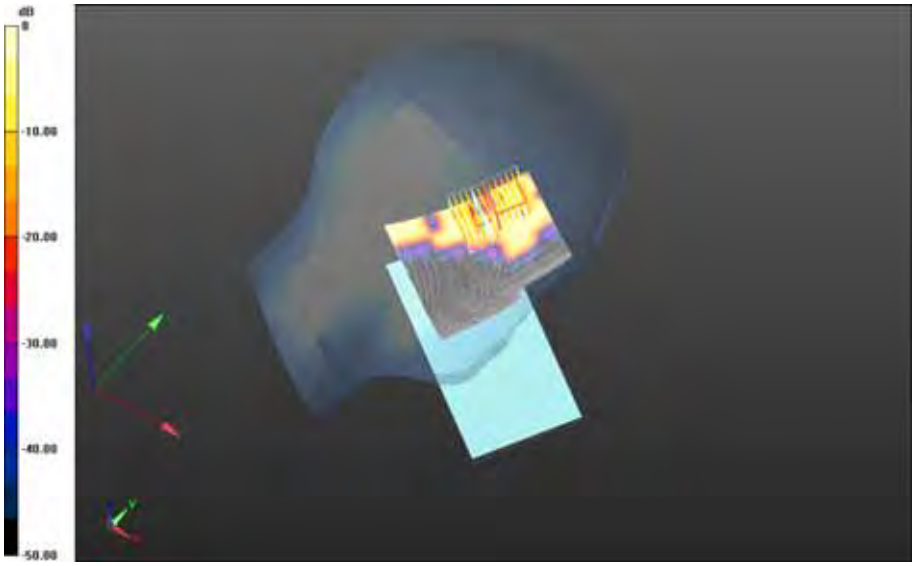



0 dB = 0.0521 W/kg = -12.83 dBW/kg

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_22.2C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0821 W/kg

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Closed/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_22.2C/Zoom Scan (61x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.612 V/m; Power Drift = 0.505 dB

**Averaged SAR:** SAR(1g) = 0.0261 W/kg; SAR(10g) = 0.00920 W/kg
Maximum value of SAR (interpolated) = 0.243 W/kg




0 dB = 0.0603 W/kg = -12.20 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 5.381 S/m; $\varepsilon_r$ = 33.753; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

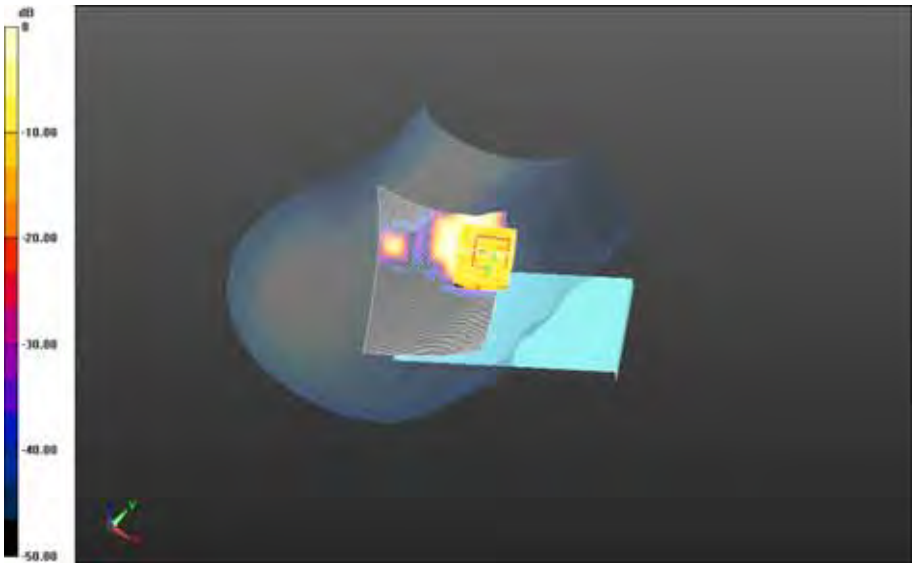
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_21.6C/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0785 W/kg
1g avg. SAR maximum on border.
10g avg. SAR maximum on border.

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.6C_liq_temp_21.6C/Zoom Scan (46x46x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.716 V/m; Power Drift = 0.010 dB

**Averaged SAR:** SAR(1g) = 0.0282 W/kg; SAR(10g) = 0.0124 W/kg
Maximum value of SAR (interpolated) = 0.143 W/kg

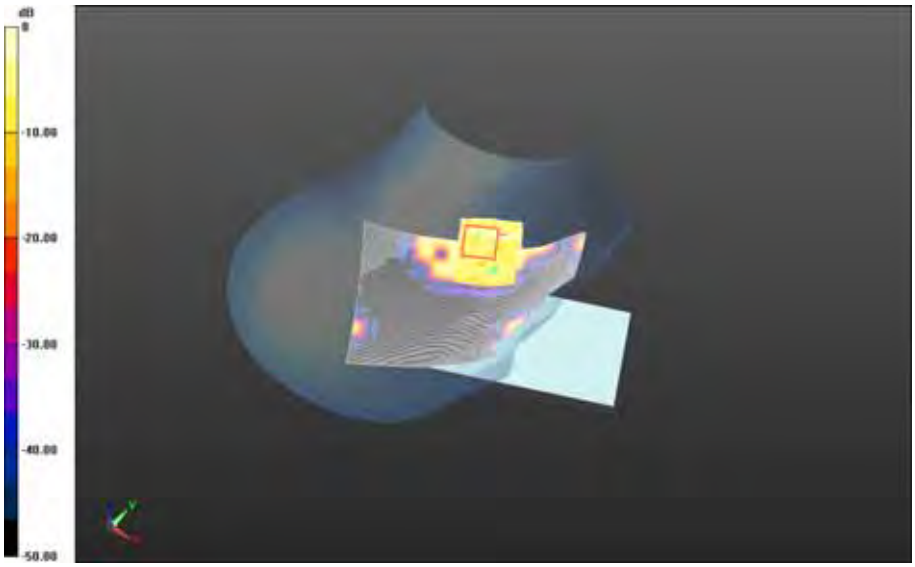



0 dB = 0.0493 W/kg = -13.07 dBW/kg

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.5C_liq_temp_22.3C/Area Scan (101x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0371 W/kg
10g avg. SAR maximum on border.

**Right-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Tilt Position - 802.11a-n_U-NII-3_chan151_amb_temp_23.5C_liq_temp_22.3C/Zoom Scan (46x51x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.491 V/m; Power Drift = 0.111 dB

**Averaged SAR:** SAR(1g) = 0.0142 W/kg; SAR(10g) = 0.00800 W/kg
Maximum value of SAR (interpolated) = 0.0785 W/kg




0 dB = 0.0256 W/kg = -15.92 dBW/kg

Date: 9/15/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5795 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5795 MHz; $\sigma$ = 5.433 S/m; $\varepsilon_r$ = 33.652; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

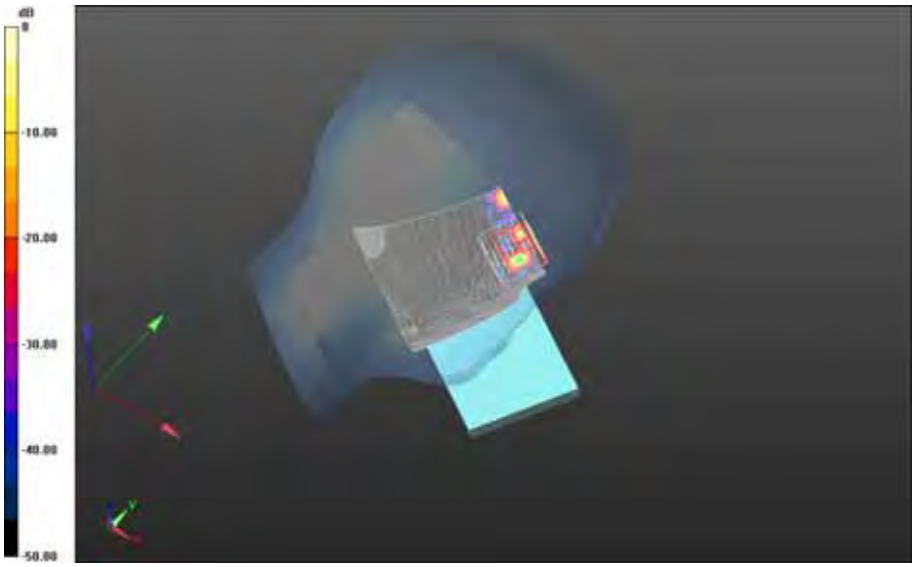
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-3_chan159_amb_temp_24.0C_liq_temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0132 W/kg
10g avg. SAR maximum on border.

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Touch Position - 802.11a-n_U-NII-3_chan159_amb_temp_24.0C_liq_temp_22.5C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.483 V/m; Power Drift = -0.127 dB

**Averaged SAR:** SAR(1g) = 0.00266 W/kg; SAR(10g) = 0.00127 W/kg
Maximum value of SAR (interpolated) = 0.0283 W/kg

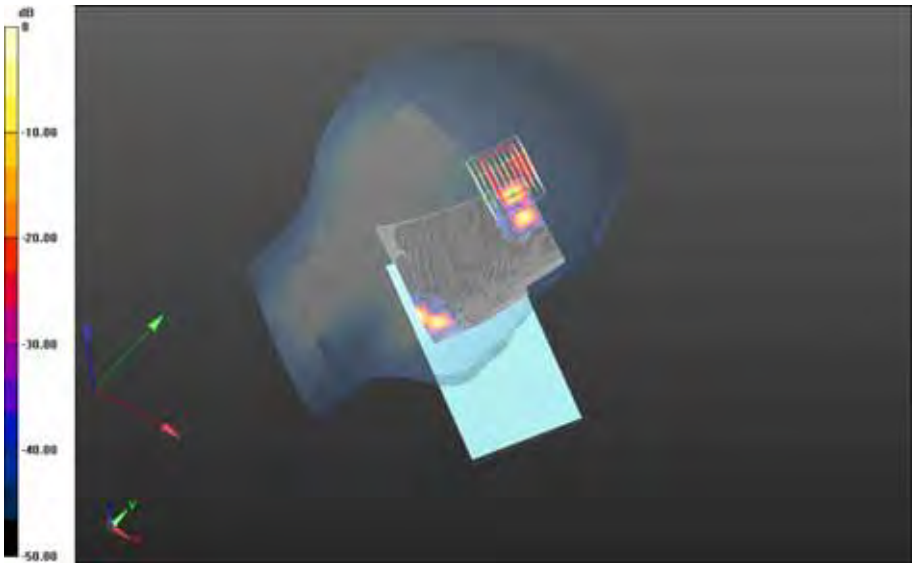



0 dB = 0.0210 W/kg = -16.78 dBW/kg

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Tilt Position - 802.11a-n_U-NII-3_chan159_amb_temp_23.7C_liq_temp_22.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.00996 W/kg
10g avg. SAR maximum on border.

**Left-Hand-Side HSL - 802.11a_n 5800 MHz - Slider Open/Tilt Position - 802.11a-n_U-NII-3_chan159_amb_temp_23.7C_liq_temp_22.6C/Zoom Scan (46x46x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.481 V/m; Power Drift = 0.257 dB

**Averaged SAR:** SAR(1g) = 0.0100 W/kg; SAR(10g) = 0.00582 W/kg
Maximum value of SAR (interpolated) = 0.0430 W/kg




0 dB = 0.0184 W/kg = -17.35 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5190 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5190 MHz; $\sigma$ = 5.552 S/m; $\varepsilon_r$ = 46.851; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

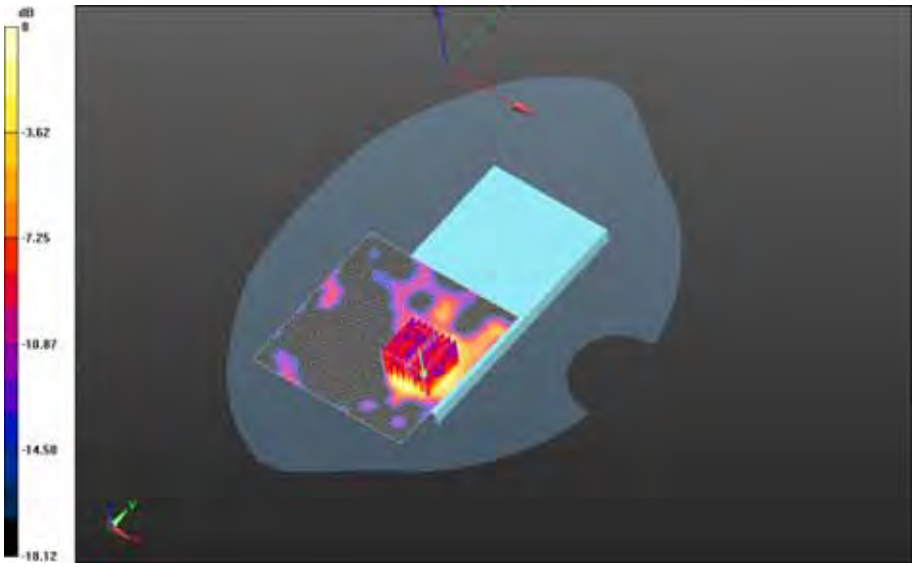
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.2C_Liquid_Temp_22.2C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0904 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_24.2C_Liquid_Temp_22.2C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.069 V/m; Power Drift = 0.498 dB

**Averaged SAR:** SAR(1g) = 0.0474 W/kg; SAR(10g) = 0.0217 W/kg
Maximum value of SAR (interpolated) = 0.155 W/kg




0 dB = 0.0819 W/kg = -10.87 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

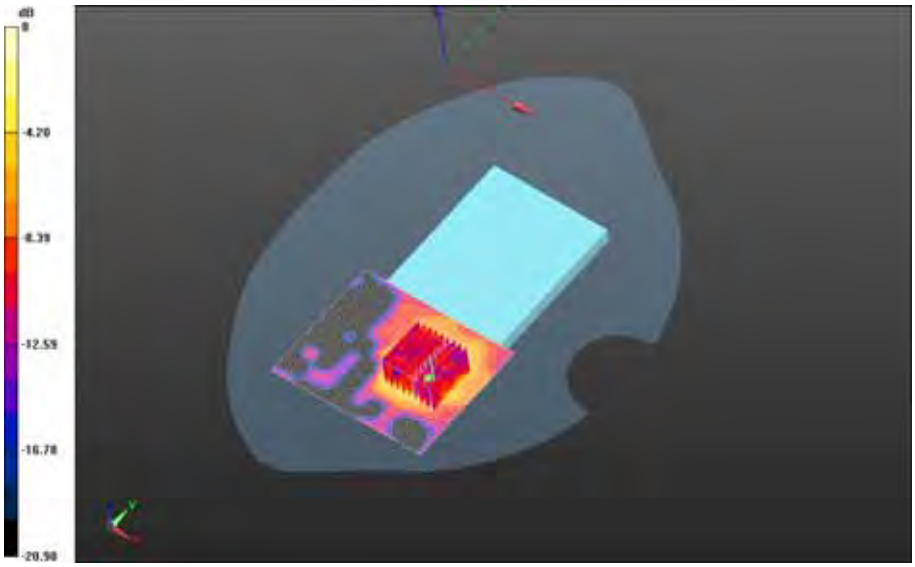
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.8C_Liquid_Temp_22.1C/Area Scan (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.119 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Closed/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.8C_Liquid_Temp_22.1C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.962 V/m; Power Drift = 0.105 dB

**Averaged SAR:** SAR(1g) = 0.0662 W/kg; SAR(10g) = 0.0275 W/kg
Maximum value of SAR (interpolated) = 0.248 W/kg




0 dB = 0.129 W/kg = -8.89 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5190 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5190 MHz; $\sigma$ = 5.552 S/m; $\varepsilon_r$ = 46.851; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

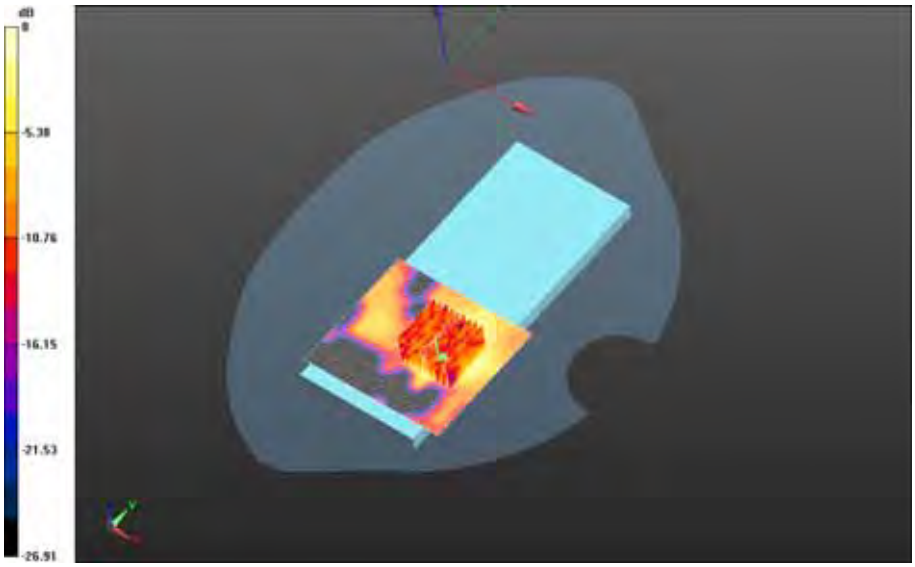
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_23.4C_Liquid_Temp_22.3C/Area Scan (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.124 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5200 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-1_chan38_Amb_Temp_23.4C_Liquid_Temp_22.3C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.210 V/m; Power Drift = 0.248 dB

**Averaged SAR:** SAR(1g) = 0.0665 W/kg; SAR(10g) = 0.0316 W/kg
Maximum value of SAR (interpolated) = 0.344 W/kg




0 dB = 0.116 W/kg = -9.36 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

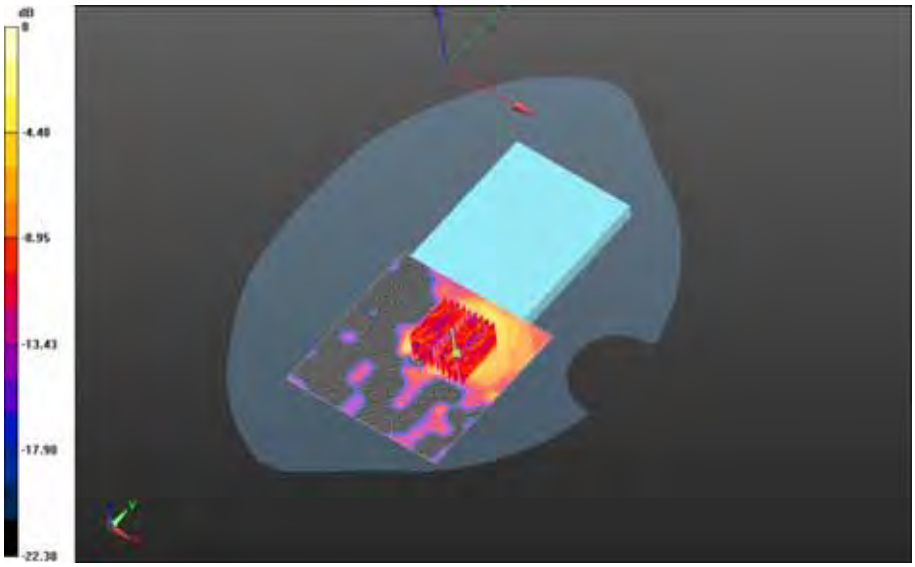
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.8C_Liquid_Temp_22.0C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.143 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan151_Amb_Temp_23.8C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.816 V/m; Power Drift = 0.491 dB

**Averaged SAR:** SAR(1g) = 0.0652 W/kg; SAR(10g) = 0.0239 W/kg
Maximum value of SAR (interpolated) = 0.246 W/kg

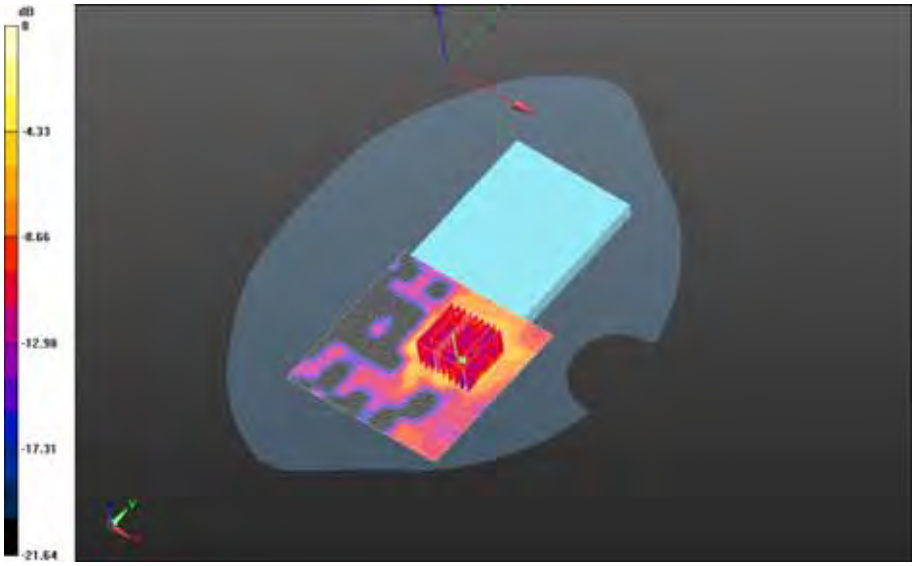



0 dB = 0.126 W/kg = -9.00 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.7C_Liquid_Temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.135 W/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Back - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.7C_Liquid_Temp_22.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.987 V/m; Power Drift = 0.288 dB

**Averaged SAR:** SAR(1g) = 0.0752 W/kg; SAR(10g) = 0.0293 W/kg
Maximum value of SAR (interpolated) = 0.285 W/kg

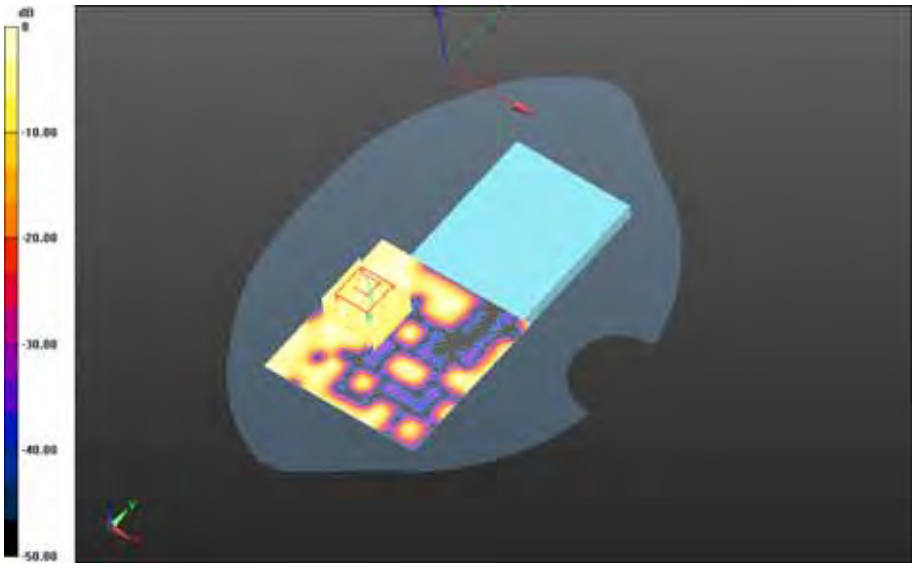



0 dB = 0.149 W/kg = -8.27 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Front - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.7_Liquid_Temp_22.4C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0275 W/kg
1g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Front - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.7_Liquid_Temp_22.4C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.810 V/m; Power Drift = -0.173 dB

**Averaged SAR:** SAR(1g) = 0.0138 W/kg; SAR(10g) = 0.00813 W/kg
Maximum value of SAR (interpolated) = 0.0575 W/kg




0 dB = 0.0281 W/kg = -15.51 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Right - 802.11a-n_U-NII-3_chan159_Amb_Temp_24.1C_Liquid_Temp_22.1C/Area Scan (31x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0511 W/kg
1g avg. SAR maximum on border.
10g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Right - 802.11a-n_U-NII-3_chan159_Amb_Temp_24.1C_Liquid_Temp_22.1C/Zoom Scan (46x46x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.851 V/m; Power Drift = 0.038 dB

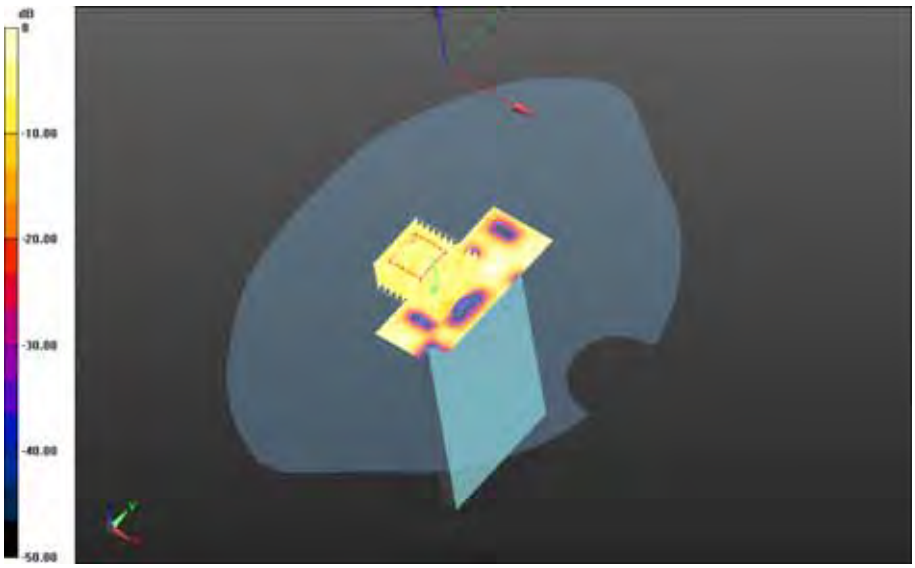
**Averaged SAR:** SAR(1g) = 0.0315 W/kg; SAR(10g) = 0.0180 W/kg
Maximum value of SAR (interpolated) = 0.102 W/kg


0 dB = 0.0576 W/kg = -12.40 dBW/kg

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Top - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.5C_Liquid_Temp_22.4C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0293 W/kg
1g avg. SAR maximum on border.
10g avg. SAR maximum on border.

**Mobile Hot Spot MSL - 802.11a_n 5800 MHz - Slider Open/10mm Device Top - 802.11a-n_U-NII-3_chan159_Amb_Temp_23.5C_Liquid_Temp_22.4C/Zoom Scan (51x46x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.528 V/m; Power Drift = 0.434 dB

**Averaged SAR:** SAR(1g) = 0.0134 W/kg; SAR(10g) = 0.0102 W/kg
Maximum value of SAR (interpolated) = 0.119 W/kg




0 dB = 0.0327 W/kg = -14.85 dBW/kg

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11a_n 5200 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3;
Frequency: 5270 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5270 MHz; $\sigma$ = 5.645 S/m; $\varepsilon_r$ = 46.642; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

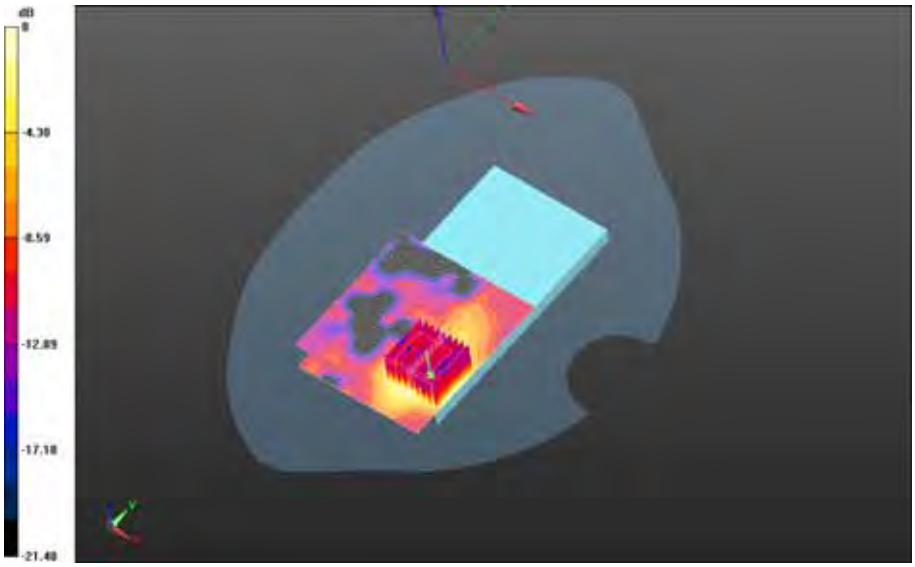
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan54_Amb_Temp_23.5C_Liquid_Temp_21.0C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.141 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan54_Amb_Temp_23.5C_Liquid_Temp_21.0C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.754 V/m; Power Drift = 0.225 dB

**Averaged SAR:** SAR(1g) = 0.0874 W/kg; SAR(10g) = 0.0407 W/kg
Maximum value of SAR (interpolated) = 0.359 W/kg

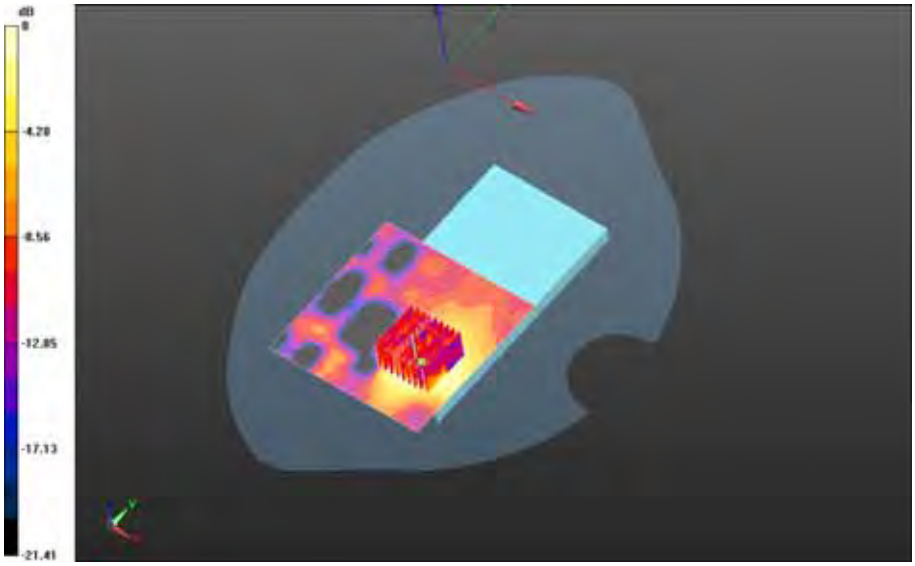



0 dB = 0.146 W/kg = -8.36 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.6C_Liquid_Temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.112 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.6C_Liquid_Temp_22.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.371 V/m; Power Drift = 0.448 dB

**Averaged SAR:** SAR(1g) = 0.0629 W/kg; SAR(10g) = 0.0312 W/kg
Maximum value of SAR (interpolated) = 0.196 W/kg

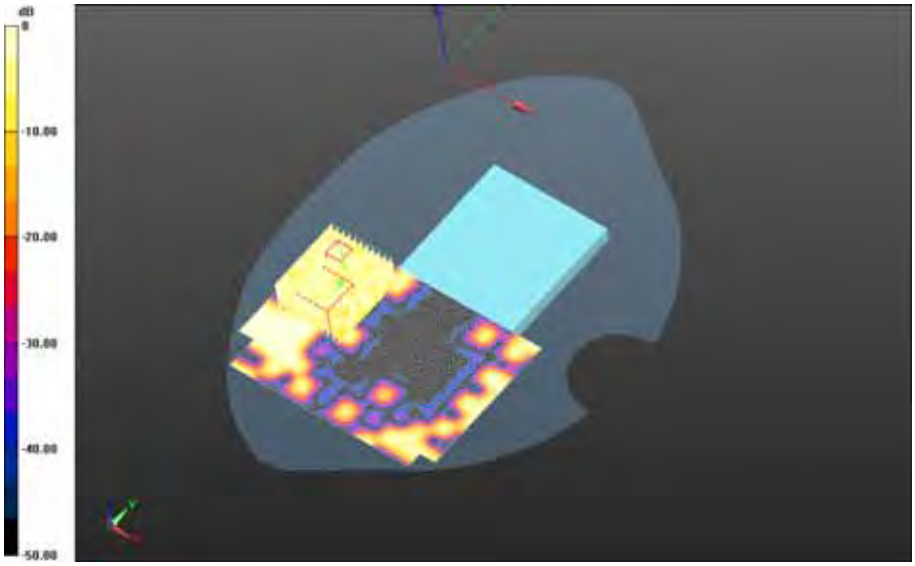



0 dB = 0.113 W/kg = -9.47 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Front - 802.11a-n_U-NII-2A_chan52_Amb_Temp_23.9C_Liquid_Temp_21.8C/Area Scan (141x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0518 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/15mm Device Front - 802.11a-n_U-NII-2A_chan52_Amb_Temp_23.9C_Liquid_Temp_21.8C/Zoom Scan (51x61x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.893 V/m; Power Drift = 0.023 dB

**Averaged SAR:** SAR(1g) = 0.0105 W/kg; SAR(10g) = 0.00642 W/kg
Maximum value of SAR (interpolated) = 0.0902 W/kg

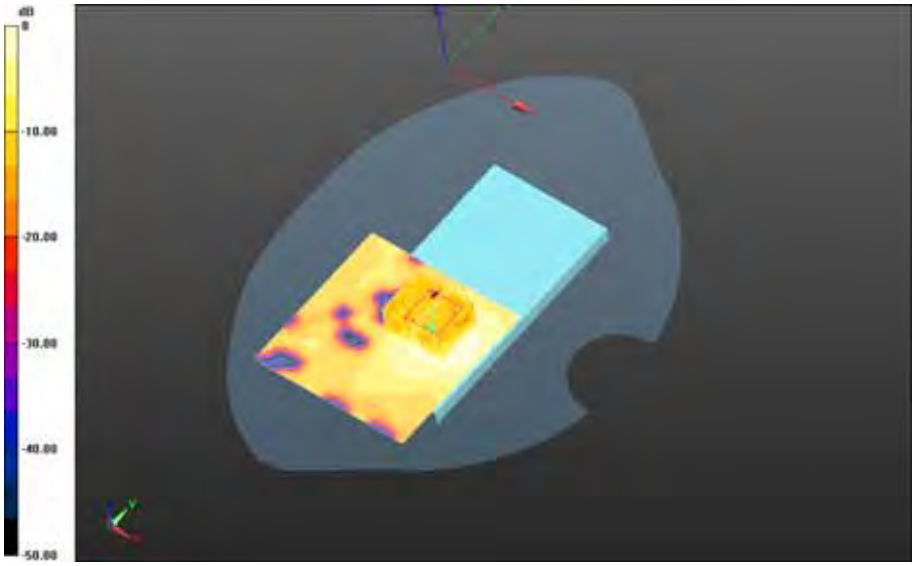



0 dB = 0.0210 W/kg = -16.78 dBW/kg

**Body Worn MSL - 802.11a_n 5200 MHz/Holster Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.9C_Liquid_Temp_22.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.134 W/kg

**Body Worn MSL - 802.11a_n 5200 MHz/Holster Device Back - 802.11a-n_U-NII-2A_chan62_Amb_Temp_23.9C_Liquid_Temp_22.5C/Zoom Scan (46x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.264 V/m; Power Drift = 0.088 dB

**Averaged SAR:** SAR(1g) = 0.0762 W/kg; SAR(10g) = 0.0346 W/kg
Maximum value of SAR (interpolated) = 0.244 W/kg




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

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11a_n 5500 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5510 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5510 MHz; $\sigma$ = 5.869 S/m; $\varepsilon_r$ = 46.669; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

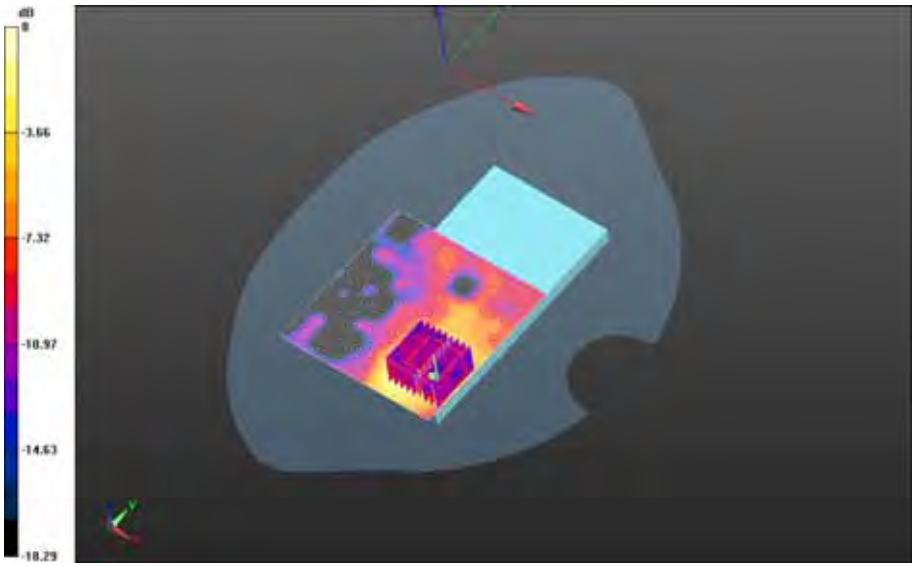
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.78,3.78,3.78); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5500 MHz/15mm Device Back - 802.11a-n_U-NII-2C_chan102_Amb_Temp_23.6C_Liquid_Temp_21.0C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.134 W/kg

**Body Worn MSL - 802.11a_n 5500 MHz/15mm Device Back - 802.11a-n_U-NII-2C_chan102_Amb_Temp_23.6C_Liquid_Temp_21.0C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.587 V/m; Power Drift = 0.239 dB

**Averaged SAR:** SAR(1g) = 0.0651 W/kg; SAR(10g) = 0.0212 W/kg
Maximum value of SAR (interpolated) = 0.238 W/kg




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

Date: 9/11/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

## Configuration: Body Worn MSL - 802.11a_n 5800 MHz

Communication System: 802.11a/n (0); Communication System Band: UNII 1/2A/2C/3; Frequency: 5755 MHz, Communication System PAR: 0 dB; PMF: 1.12202e-005; Duty Cycle: 1:1
Medium Parameters used: f=5755 MHz; $\sigma$ = 6.216 S/m; $\varepsilon_r$ = 46.419; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

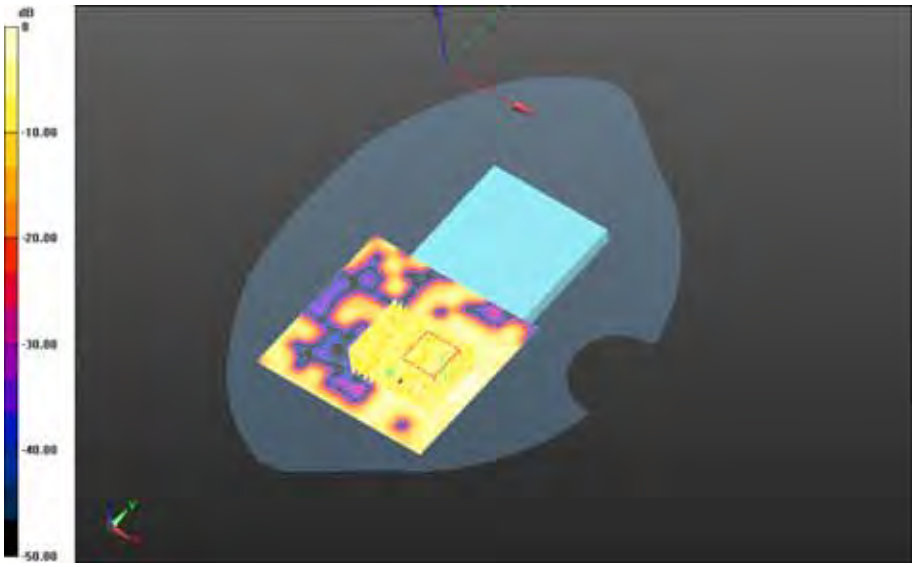
**DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.81,3.81,3.81); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - 802.11a_n 5800 MHz/15mm Device Back - 802.11a_n_U-NII-3_chan151_Amb_Temp_23.7C_Liquid_Temp_21.1C/Area Scan (111x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0471 W/kg

**Body Worn MSL - 802.11a_n 5800 MHz/15mm Device Back - 802.11a_n_U-NII-3_chan151_Amb_Temp_23.7C_Liquid_Temp_21.1C/Zoom Scan (66x51x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.994 V/m; Power Drift = -0.147 dB

**Averaged SAR:** SAR(1g) = 0.0279 W/kg; SAR(10g) = 0.0138 W/kg
Maximum value of SAR (interpolated) = 0.0932 W/kg




0 dB = 0.0455 W/kg = -13.42 dBW/kg