## APPENDIX B: SAR DISTRIBUTION PLOTS FOR EACH CONFIGURATION PART 3 of 3 (2450 – 5000 MHz)

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# 802.11b

Date: 4/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Right-Hand-Side HSL - 802.11b 5.5 Mbps

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b/g;
Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; $\sigma$ = 1.832 S/m; $\varepsilon_r$ = 38.543; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.58,4.58,4.58); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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 5.5 Mbps/Touch Position - 802.11b_chan6_amb_temp_23.7C_liq_temp_21.6C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.431 V/m; **Power Drift = -0.080 dB**

**Fast SAR: SAR(1g) = 0.151 W/kg; SAR(10g) = 0.0737 W/kg**
Maximum value of SAR (interpolated) = 0.178 W/kg

**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Touch Position - 802.11b_chan6_amb_temp_23.7C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.431 V/m; **Power Drift = -0.080 dB**

**Averaged SAR: SAR(1g) = 0.156 W/kg; SAR(10g) = 0.0719 W/kg**
Maximum value of SAR (interpolated) = 0.391 W/kg

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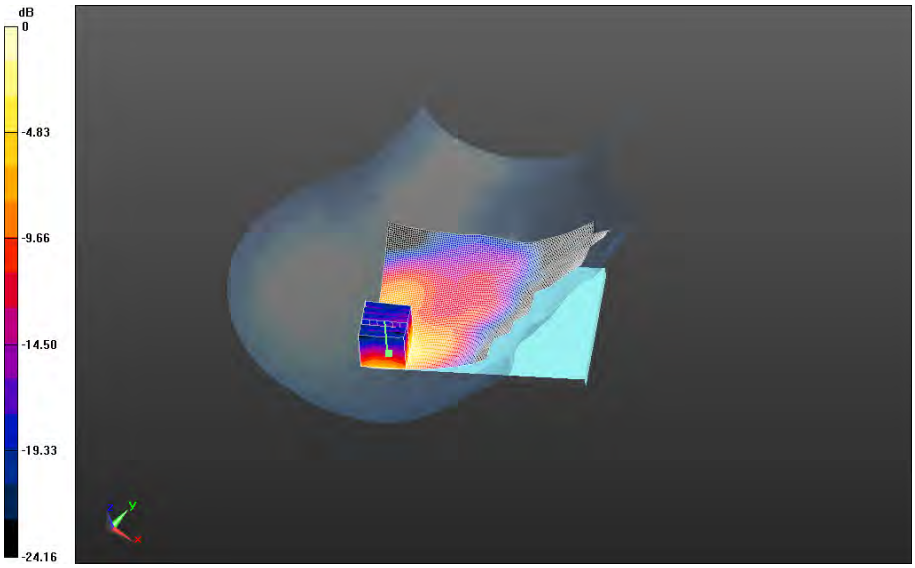


0 dB = 0.177 W/kg = -7.52 dBW/kg

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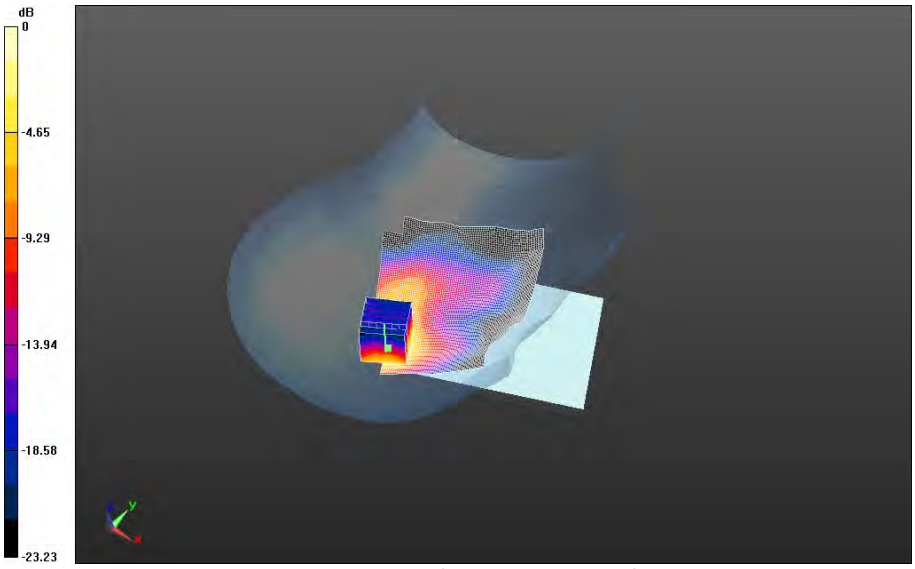
**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan1_amb_temp_23.6C_liq_temp_21.4C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.671 V/m; **Power Drift = 0.00114 dB**

**Fast SAR: SAR(1g) = 0.174 W/kg; SAR(10g) = 0.0869 W/kg**
Maximum value of SAR (interpolated) = 0.200 W/kg

**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan1_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.671 V/m; **Power Drift = 0.00114 dB**

**Averaged SAR: SAR(1g) = 0.194 W/kg; SAR(10g) = 0.0882 W/kg**
Maximum value of SAR (interpolated) = 0.517 W/kg




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

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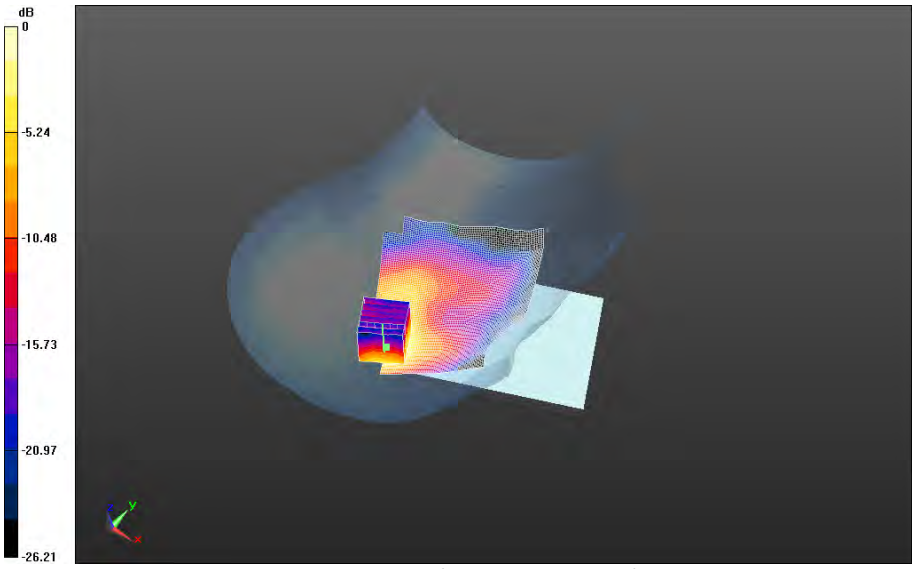
**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan6_amb_temp_23.9C_liq_temp_21.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.865 V/m; **Power Drift = -0.156 dB**

**Fast SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.0787 W/kg**
Maximum value of SAR (interpolated) = 0.183 W/kg

**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan6_amb_temp_23.9C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.865 V/m; **Power Drift = -0.156 dB**

**Averaged SAR: SAR(1g) = 0.165 W/kg; SAR(10g) = 0.0779 W/kg**
Maximum value of SAR (interpolated) = 0.424 W/kg




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

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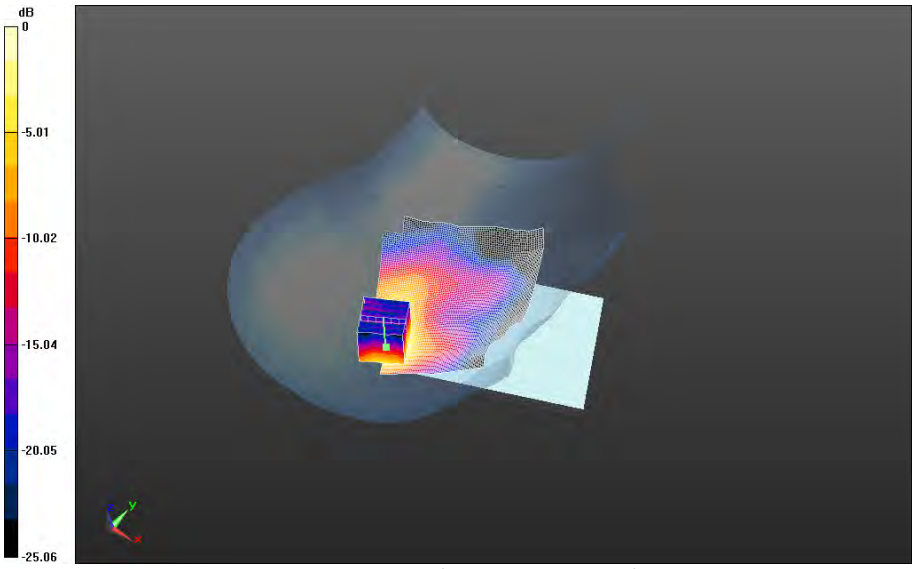
**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan11_amb_temp_23.6C_liq_temp_21.4C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.293 V/m; **Power Drift = -0.162 dB**

**Fast SAR: SAR(1g) = 0.135 W/kg; SAR(10g) = 0.0663 W/kg**
Maximum value of SAR (interpolated) = 0.159 W/kg

**Right-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan11_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.293 V/m; **Power Drift = -0.162 dB**

**Averaged SAR: SAR(1g) = 0.148 W/kg; SAR(10g) = 0.0674 W/kg**
Maximum value of SAR (interpolated) = 0.398 W/kg




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

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Date: 4/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Left-Hand-Side HSL - 802.11b 5.5 Mbps

Communication System: 802.11 b/g (2450) (0); Communication System Band: 802.11 b;
Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; $\sigma$ = 1.832 S/m; $\varepsilon_r$ = 38.543; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.58,4.58,4.58); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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 5.5 Mbps/Touch Position - 802.11b_chan6_amb_temp_24.2C_liq_temp_21.7C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.811 V/m; **Power Drift = 0.343 dB**

**Fast SAR: SAR(1g) = 0.0583 W/kg; SAR(10g) = 0.0328 W/kg**
Maximum value of SAR (interpolated) = 0.0681 W/kg

**Left-Hand-Side HSL - 802.11b 5.5 Mbps/Touch Position - 802.11b_chan6_amb_temp_24.2C_liq_temp_21.7C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.811 V/m; **Power Drift = 0.343 dB**

**Averaged SAR: SAR(1g) = 0.0663 W/kg; SAR(10g) = 0.0337 W/kg**
Maximum value of SAR (interpolated) = 0.147 W/kg

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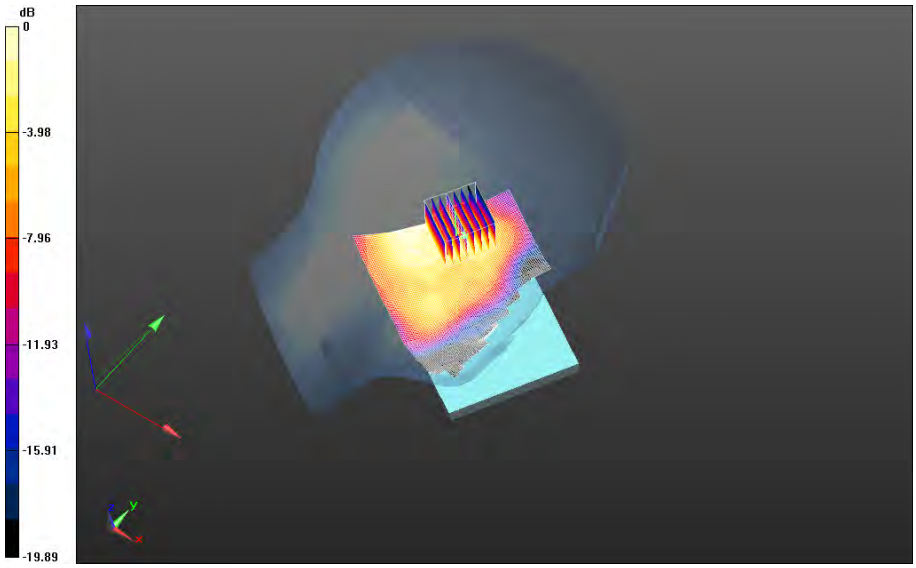


0 dB = 0.0732 W/kg = -11.35 dBW/kg

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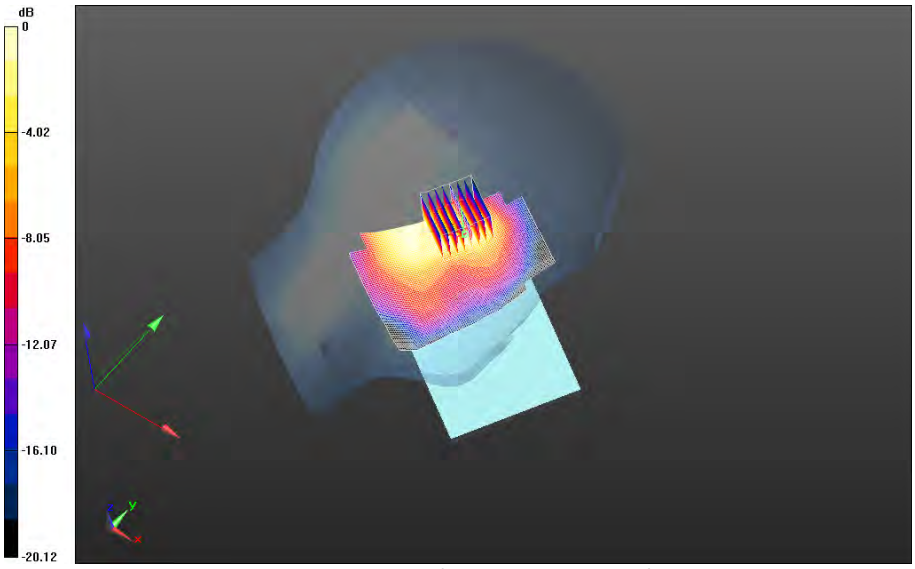
**Left-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan6_amb_temp_24.1C_liq_temp_21.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.519 V/m; **Power Drift = 0.260 dB**

**Fast SAR: SAR(1g) = 0.0768 W/kg; SAR(10g) = 0.0408 W/kg**
Maximum value of SAR (interpolated) = 0.0872 W/kg

**Left-Hand-Side HSL - 802.11b 5.5 Mbps/Tilt Position - 802.11b_chan6_amb_temp_24.1C_liq_temp_21.8C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.519 V/m; **Power Drift = 0.260 dB**

**Averaged SAR: SAR(1g) = 0.0853 W/kg; SAR(10g) = 0.0424 W/kg**
Maximum value of SAR (interpolated) = 0.190 W/kg




0 dB = 0.0958 W/kg = -10.19 dBW/kg

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Date: 4/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686664**

## Configuration: Mobile Hot Spot MSL - 802.11b 5.5 Mbps

Communication System: 802.11 b/g (2450); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.949 S/m; $\varepsilon_r$ = 50.556; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (3.93,3.93,3.93); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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 5.5 Mbps/10mm Device Back - 802.11b_chan1_amb_temp_23.9C_liq_temp_20.6C/Area Scan (101x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.365 V/m; **Power Drift = -0.094 dB**

**Fast SAR: SAR(1g) = 0.301 W/kg; SAR(10g) = 0.142 W/kg**
Maximum value of SAR (interpolated) = 0.366 W/kg

**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Back - 802.11b_chan1_amb_temp_23.9C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.365 V/m; **Power Drift = -0.094 dB**

**Averaged SAR: SAR(1g) = 0.340 W/kg; SAR(10g) = 0.154 W/kg**
Maximum value of SAR (interpolated) = 0.853 W/kg

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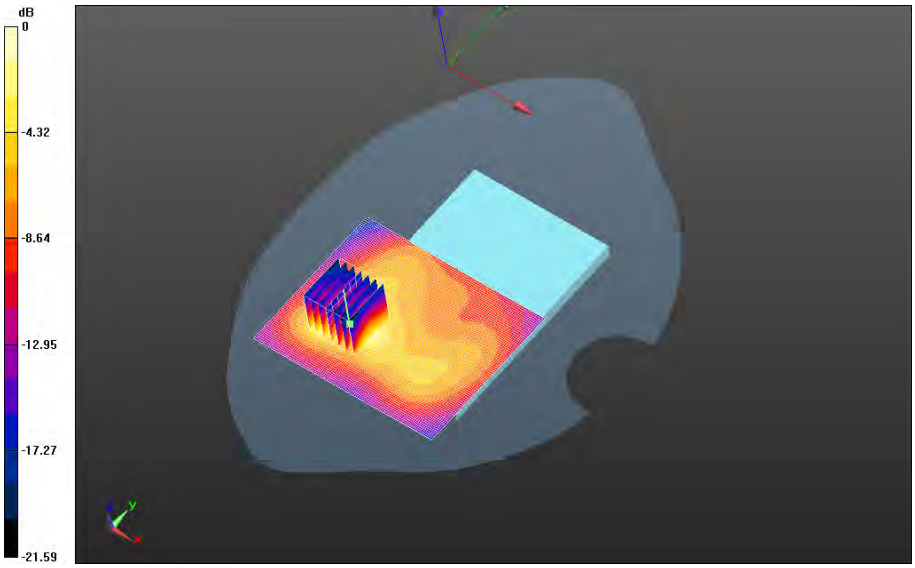


0 dB = 0.368 W/kg = -4.34 dBW/kg

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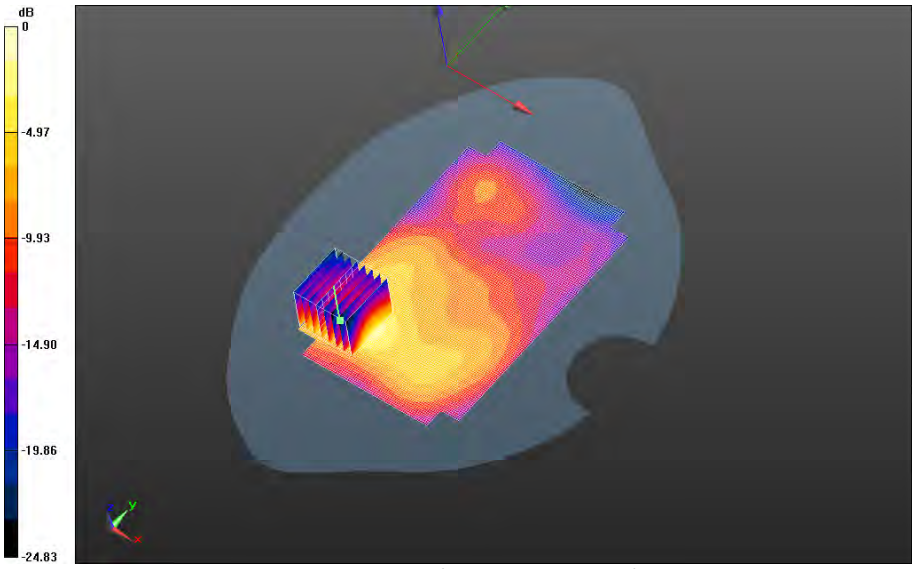
**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Back - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.738 V/m; **Power Drift = -0.085 dB**

**Fast SAR: SAR(1g) = 0.325 W/kg; SAR(10g) = 0.167 W/kg**
Maximum value of SAR (interpolated) = 0.377 W/kg

**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Back - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.738 V/m; **Power Drift = -0.085 dB**

**Averaged SAR: SAR(1g) = 0.413 W/kg; SAR(10g) = 0.184 W/kg**
Maximum value of SAR (interpolated) = 1.06 W/kg




0 dB = 0.441 W/kg = -3.56 dBW/kg

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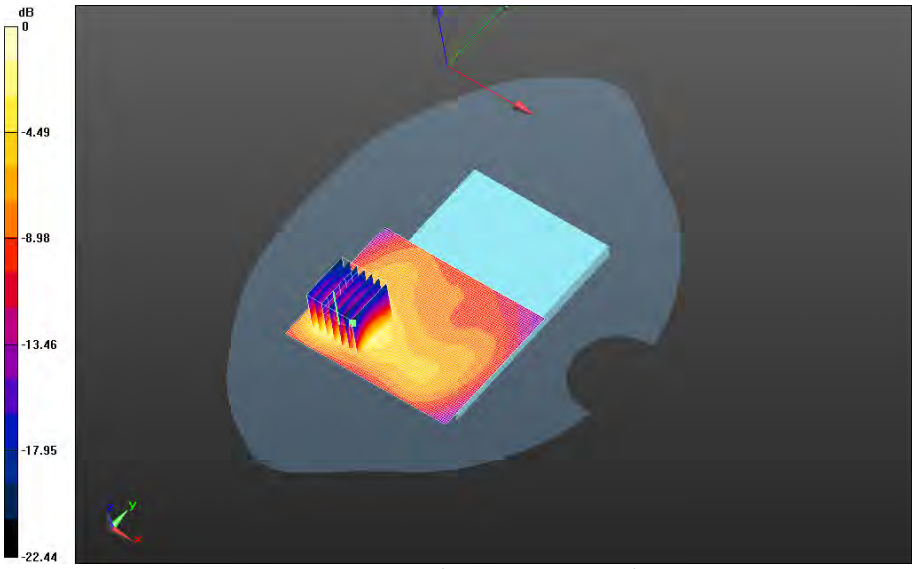
**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Back - 802.11b_chan11_amb_temp_23.5C_liq_temp_20.5C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.166 V/m; **Power Drift = -0.032 dB**

**Fast SAR: SAR(1g) = 0.333 W/kg; SAR(10g) = 0.154 W/kg**
Maximum value of SAR (interpolated) = 0.412 W/kg

**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Back - 802.11b_chan11_amb_temp_23.5C_liq_temp_20.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.166 V/m; **Power Drift = -0.032 dB**

**Averaged SAR: SAR(1g) = 0.375 W/kg; SAR(10g) = 0.165 W/kg**
Maximum value of SAR (interpolated) = 0.972 W/kg




0 dB = 0.408 W/kg = -3.89 dBW/kg

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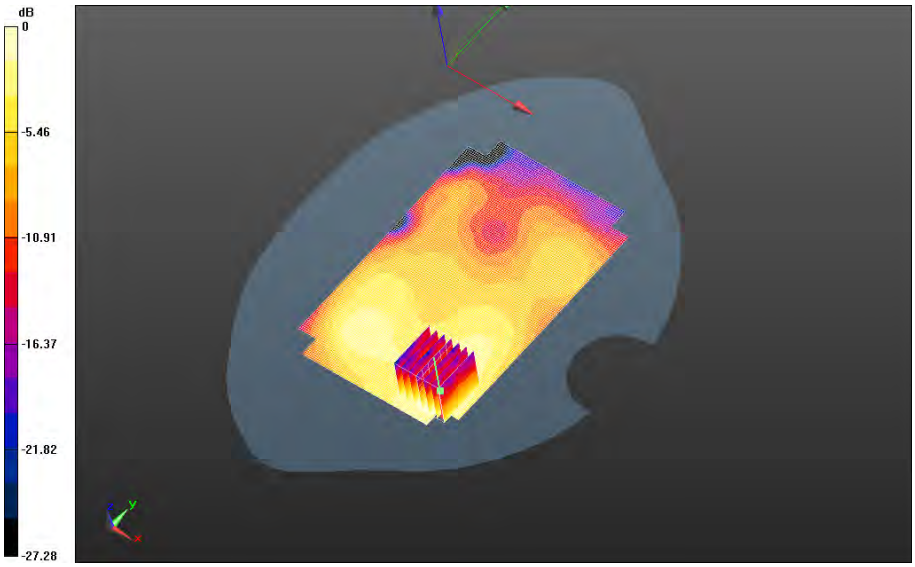
**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Front - 802.11b_chan6_amb_temp_23.4C_liq_temp_20.4C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.573 V/m; **Power Drift = 0.346 dB**

**Fast SAR: SAR(1g) = 0.0481 W/kg; SAR(10g) = 0.0265 W/kg**
Maximum value of SAR (interpolated) = 0.0530 W/kg

Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Front - 802.11b_chan6_amb_temp_23.4C_liq_temp_20.4C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.573 V/m; **Power Drift = 0.346 dB**

**Averaged SAR: SAR(1g) = 0.0530 W/kg; SAR(10g) = 0.0280 W/kg**
Maximum value of SAR (interpolated) = 0.121 W/kg




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

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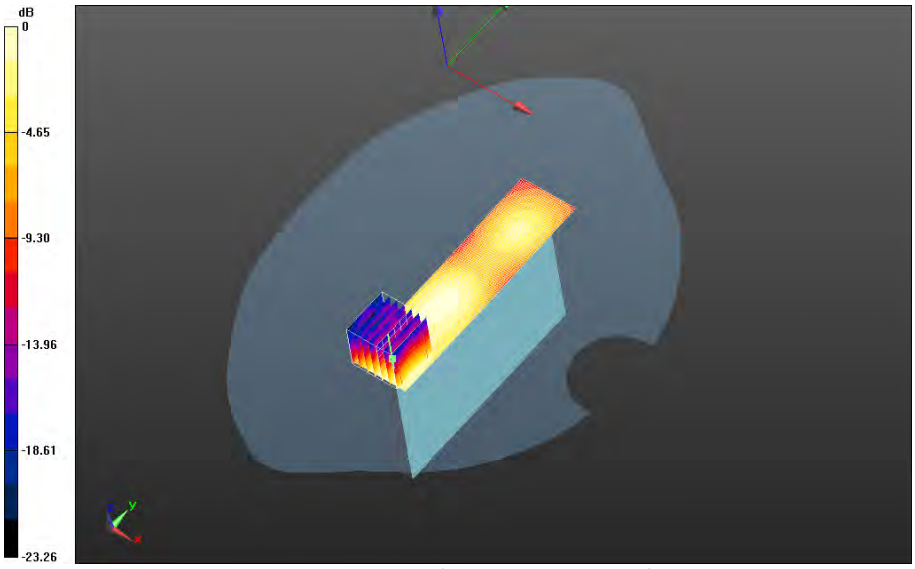
**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Left - 802.11b_chan6_amb_temp_23.7C_liq_temp_20.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.999 V/m; **Power Drift = 0.026 dB**

**Fast SAR: SAR(1g) = 0.0838 W/kg; SAR(10g) = 0.0422 W/kg**
Maximum value of SAR (interpolated) = 0.109 W/kg

**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Left - 802.11b_chan6_amb_temp_23.7C_liq_temp_20.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.999 V/m; **Power Drift = 0.026 dB**

**Averaged SAR: SAR(1g) = 0.0863 W/kg; SAR(10g) = 0.0411 W/kg**
Maximum value of SAR (interpolated) = 0.220 W/kg




0 dB = 0.0892 W/kg = -10.50 dBW/kg

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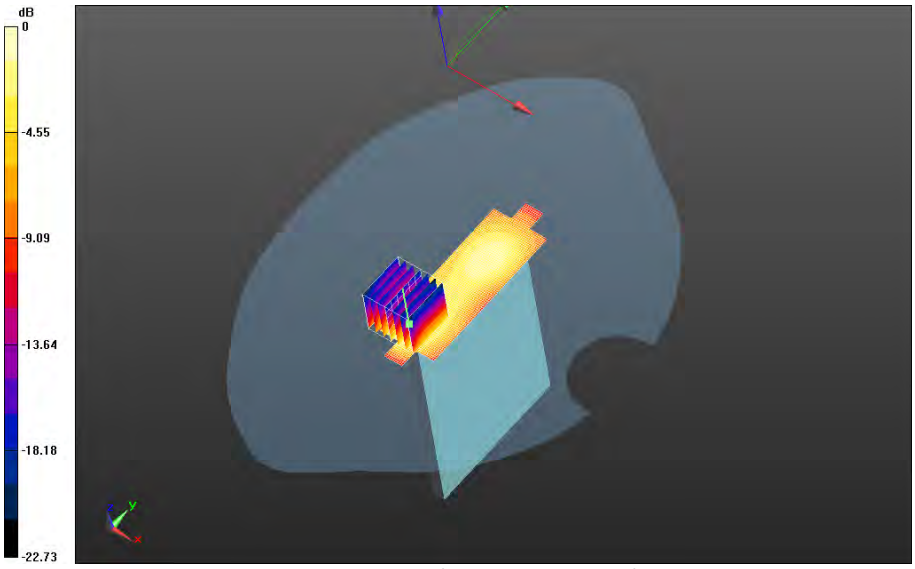
**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Top - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.098 V/m; **Power Drift = 0.232 dB**

**Fast SAR: SAR(1g) = 0.165 W/kg; SAR(10g) = 0.0788 W/kg**
Maximum value of SAR (interpolated) = 0.217 W/kg

**Mobile Hot Spot MSL - 802.11b 5.5 Mbps/10mm Device Top - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.098 V/m; **Power Drift = 0.232 dB**

**Averaged SAR: SAR(1g) = 0.175 W/kg; SAR(10g) = 0.0802 W/kg**
Maximum value of SAR (interpolated) = 0.426 W/kg




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

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Date: 4/6/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686664**

## Configuration: Body Worn MSL - 802.11b 5.5 Mbps

Communication System: 802.11 b/g (2450); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; $\sigma$ = 1.949 S/m; $\varepsilon_r$ = 50.556; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (3.93,3.93,3.93); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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 5.5 Mbps/15mm Device Back - 802.11b_chan1_amb_temp_23.9C_liq_temp_20.6C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.135 V/m; **Power Drift = -0.078 dB**

**Fast SAR: SAR(1g) = 0.135 W/kg; SAR(10g) = 0.0693 W/kg**
Maximum value of SAR (interpolated) = 0.155 W/kg

**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Back - 802.11b_chan1_amb_temp_23.9C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.135 V/m; **Power Drift = -0.078 dB**

**Averaged SAR: SAR(1g) = 0.145 W/kg; SAR(10g) = 0.0731 W/kg**
Maximum value of SAR (interpolated) = 0.335 W/kg

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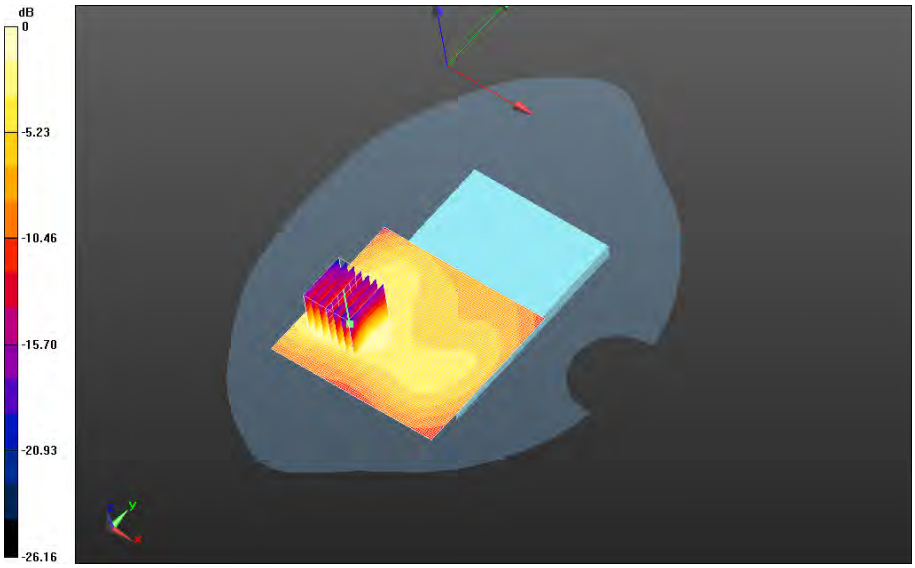


0 dB = 0.155 W/kg = -8.10 dBW/kg

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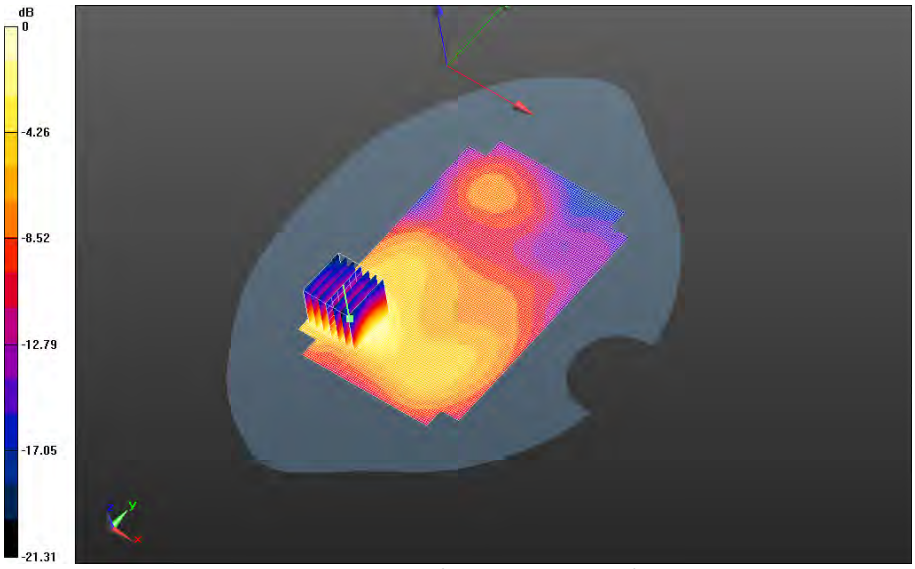
**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Back - 802.11b_chan6_amb_temp_23.8C_liq_temp_20.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.127 V/m; **Power Drift = -0.023 dB**

**Fast SAR: SAR(1g) = 0.142 W/kg; SAR(10g) = 0.0757 W/kg**
Maximum value of SAR (interpolated) = 0.161 W/kg

**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Back - 802.11b_chan6_amb_temp_23.8C_liq_temp_20.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.127 V/m; **Power Drift = -0.023 dB**

**Averaged SAR: SAR(1g) = 0.159 W/kg; SAR(10g) = 0.0791 W/kg**
Maximum value of SAR (interpolated) = 0.375 W/kg




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

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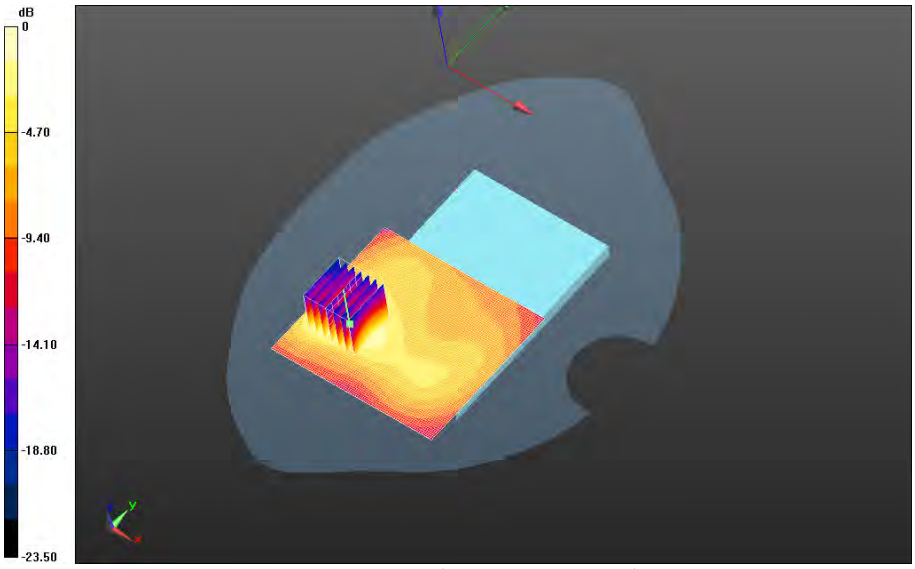
**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Back - 802.11b_chan11_amb_temp_23.6C_liq_temp_20.5C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.783 V/m; **Power Drift = 0.206 dB**

**Fast SAR: SAR(1g) = 0.130 W/kg; SAR(10g) = 0.0654 W/kg**
Maximum value of SAR (interpolated) = 0.150 W/kg

**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Back - 802.11b_chan11_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.783 V/m; **Power Drift = 0.206 dB**

**Averaged SAR: SAR(1g) = 0.140 W/kg; SAR(10g) = 0.0695 W/kg**
Maximum value of SAR (interpolated) = 0.329 W/kg




0 dB = 0.149 W/kg = -8.27 dBW/kg

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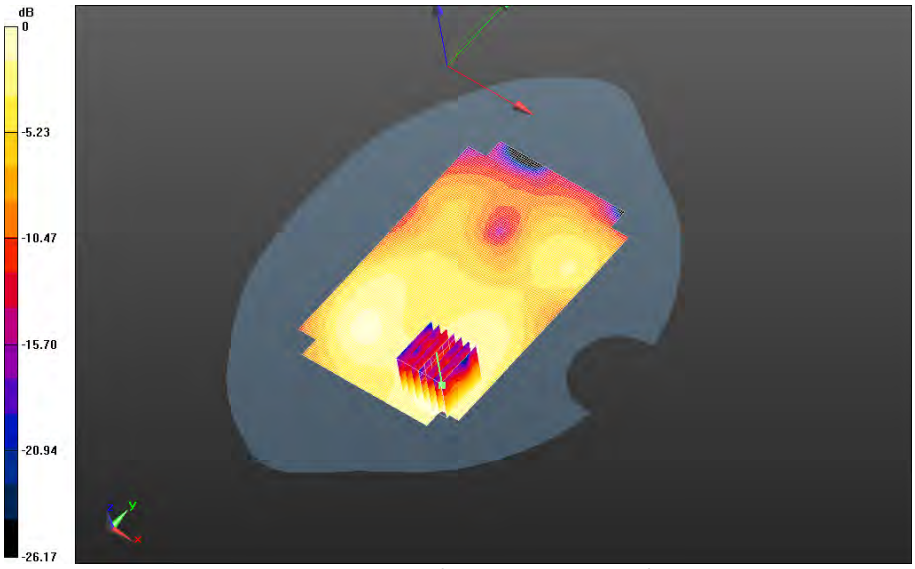
**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Front - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.5C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.375 V/m; **Power Drift = 0.128 dB**

**Fast SAR: SAR(1g) = 0.0270 W/kg; SAR(10g) = 0.0153 W/kg**
Maximum value of SAR (interpolated) = 0.0294 W/kg

**Body Worn MSL - 802.11b 5.5 Mbps/15mm Device Front - 802.11b_chan6_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.375 V/m; **Power Drift = 0.128 dB**

**Averaged SAR: SAR(1g) = 0.0295 W/kg; SAR(10g) = 0.0162 W/kg**
Maximum value of SAR (interpolated) = 0.0656 W/kg




0 dB = 0.0313 W/kg = -15.04 dBW/kg

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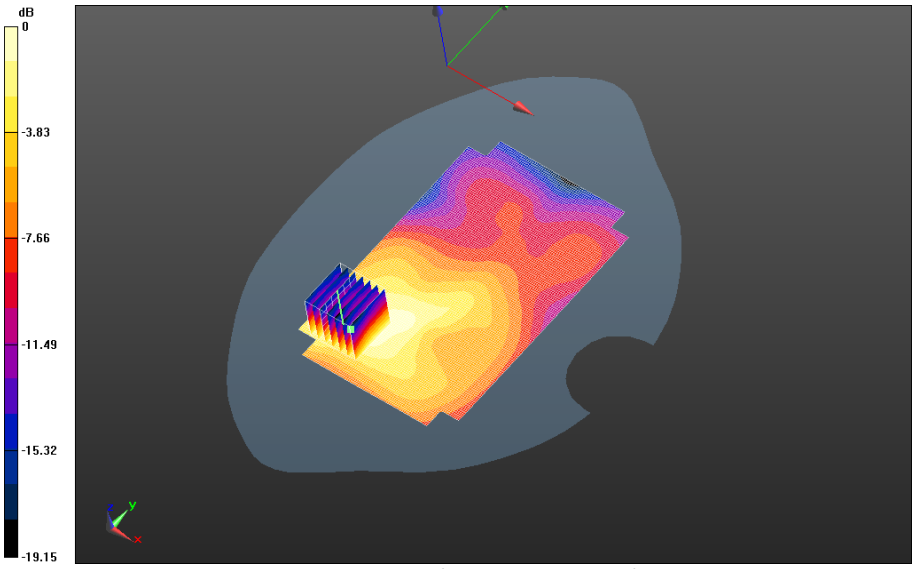
**Body Worn MSL - 802.11b 5.5 Mbps/Holster Device Back - 802.11b_chan6_amb_temp_23.8C_liq_temp_20.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.487 V/m; **Power Drift = -0.160 dB**

**Fast SAR: SAR(1g) = 0.0961 W/kg; SAR(10g) = 0.0545 W/kg**
Maximum value of SAR (interpolated) = 0.107 W/kg

**Body Worn MSL - 802.11b 5.5 Mbps/Holster Device Back - 802.11b_chan6_amb_temp_23.8C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.487 V/m; **Power Drift = -0.160 dB**

**Averaged SAR: SAR(1g) = 0.104 W/kg; SAR(10g) = 0.0566 W/kg**
Maximum value of SAR (interpolated) = 0.240 W/kg




0 dB = 0.108 W/kg = -9.67 dBW/kg

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# Bluetooth

Date: 4/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.837 S/m; $\varepsilon_r$ = 38.534; $\rho$ = 1.000 g/cm$^3$
Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.58,4.58,4.58); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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/Touch Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.988 V/m; **Power Drift = 0.212 dB**

**Fast SAR: SAR(1g) = 0.0252 W/kg; SAR(10g) = 0.0125 W/kg**
Maximum value of SAR (interpolated) = 0.0300 W/kg

**Right-Hand-Side HSL - Bluetooth/Touch Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.988 V/m; **Power Drift = 0.212 dB**

**Averaged SAR: SAR(1g) = 0.0279 W/kg; SAR(10g) = 0.0127 W/kg**
Maximum value of SAR (interpolated) = 0.0719 W/kg

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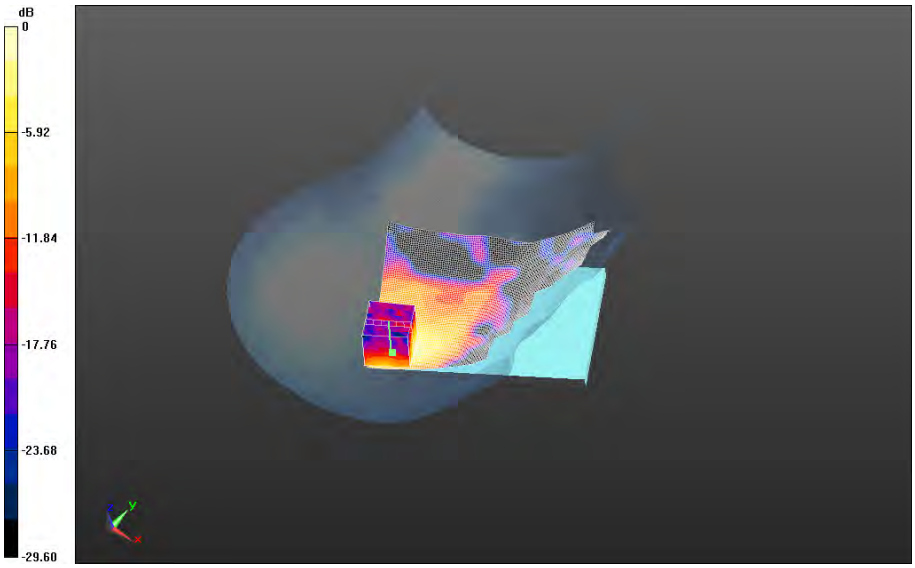


0 dB = 0.0318 W/kg = -14.98 dBW/kg

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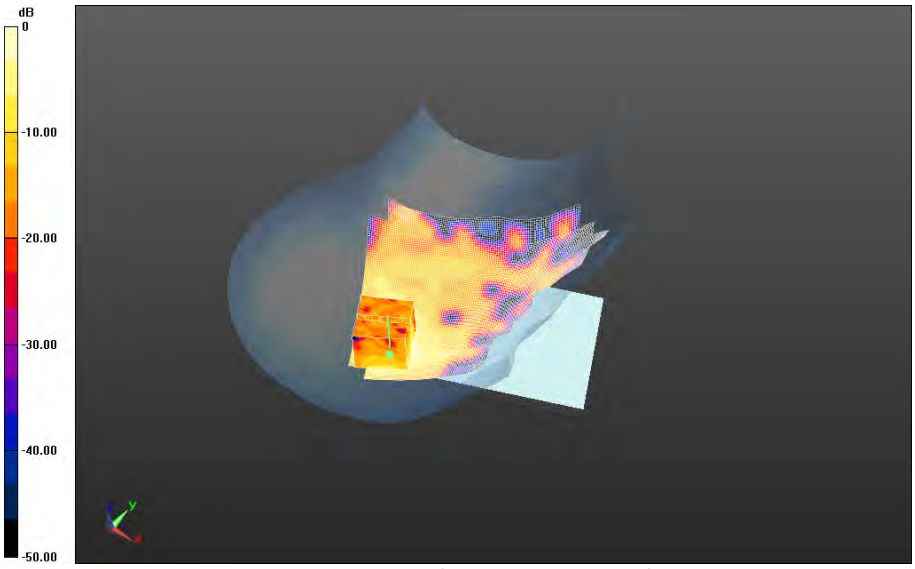
**Right-Hand-Side HSL - Bluetooth/Tilt Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.284 V/m; **Power Drift = -0.059 dB**

**Fast SAR: SAR(1g) = 0.0104 W/kg; SAR(10g) = 0.00534 W/kg**
Maximum value of SAR (interpolated) = 0.0127 W/kg

**Right-Hand-Side HSL - Bluetooth/Tilt Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Zoom Scan (36x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.284 V/m; **Power Drift = -0.059 dB**

**Averaged SAR: SAR(1g) = 0.0159 W/kg; SAR(10g) = 0.00629 W/kg**
Maximum value of SAR (interpolated) = 0.0661 W/kg




0 dB = 0.0222 W/kg = -16.54 dBW/kg

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Date: 4/9/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.837 S/m; $\varepsilon_r$ = 38.534; $\rho$ = 1.000 g/cm$^3$
Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.58,4.58,4.58); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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/Touch Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.453 V/m; **Power Drift = 0.343 dB**

**Fast SAR: SAR(1g) = 0.00924 W/kg; SAR(10g) = 0.00520 W/kg**
Maximum value of SAR (interpolated) = 0.0103 W/kg

**Left-Hand-Side HSL - Bluetooth/Touch Position - Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.0C/Zoom Scan (31x36x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.453 V/m; **Power Drift = 0.343 dB**

**Averaged SAR: SAR(1g) = 0.0101 W/kg; SAR(10g) = 0.00555 W/kg**
Maximum value of SAR (interpolated) = 0.0218 W/kg

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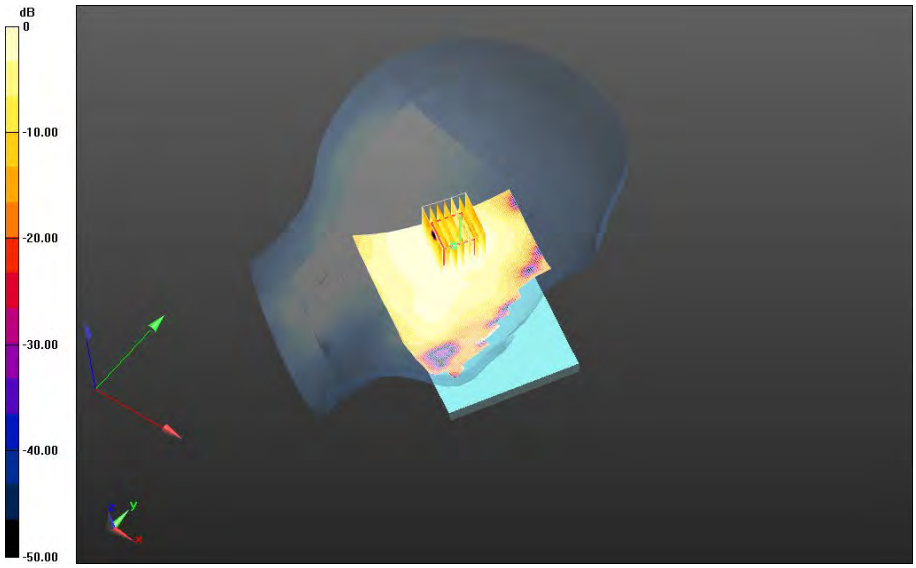


0 dB = 0.0107 W/kg = -19.71 dBW/kg

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Date: 4/9/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Mobile Hot Spot MSL - Bluetooth

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.991 S/m; $\varepsilon_r$ = 50.504; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (3.93,3.93,3.93); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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/10mm Device Back - Bluetooth_chan39_amb_temp_23.8C_liq_temp_20.8C/Area Scan (91x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.740 V/m; **Power Drift = -0.188 dB**

**Fast SAR: SAR(1g) = 0.0363 W/kg; SAR(10g) = 0.0179 W/kg**
Maximum value of SAR (interpolated) = 0.0451 W/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Back - Bluetooth_chan39_amb_temp_23.8C_liq_temp_20.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.740 V/m; **Power Drift = -0.188 dB**

**Averaged SAR: SAR(1g) = 0.0397 W/kg; SAR(10g) = 0.0186 W/kg**
Maximum value of SAR (interpolated) = 0.0945 W/kg

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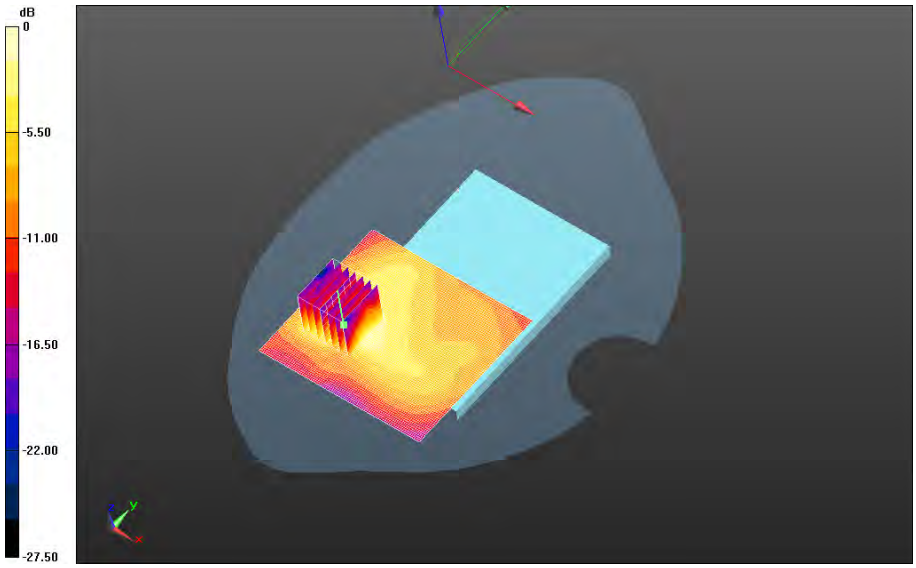


0 dB = 0.0443 W/kg = -13.54 dBW/kg

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Date: 4/9/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Body Worn MSL - Bluetooth

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; $\sigma$ = 1.991 S/m; $\varepsilon_r$ = 50.504; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (3.93,3.93,3.93); Calibrated: 3/13/2015;
- Sensor-Surface: 4 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/15mm Device Back - Bluetooth_chan39_amb_temp_23.8C_liq_temp_20.8C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.735 V/m; **Power Drift = 0.031 dB**

**Fast SAR: SAR(1g) = 0.0157 W/kg; SAR(10g) = 0.00861 W/kg**
Maximum value of SAR (interpolated) = 0.0179 W/kg

**Body Worn MSL - Bluetooth/15mm Device Back - Bluetooth_chan39_amb_temp_23.8C_liq_temp_20.8C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.735 V/m; **Power Drift = 0.031 dB**

**Averaged SAR: SAR(1g) = 0.0169 W/kg; SAR(10g) = 0.00863 W/kg**
Maximum value of SAR (interpolated) = 0.0369 W/kg

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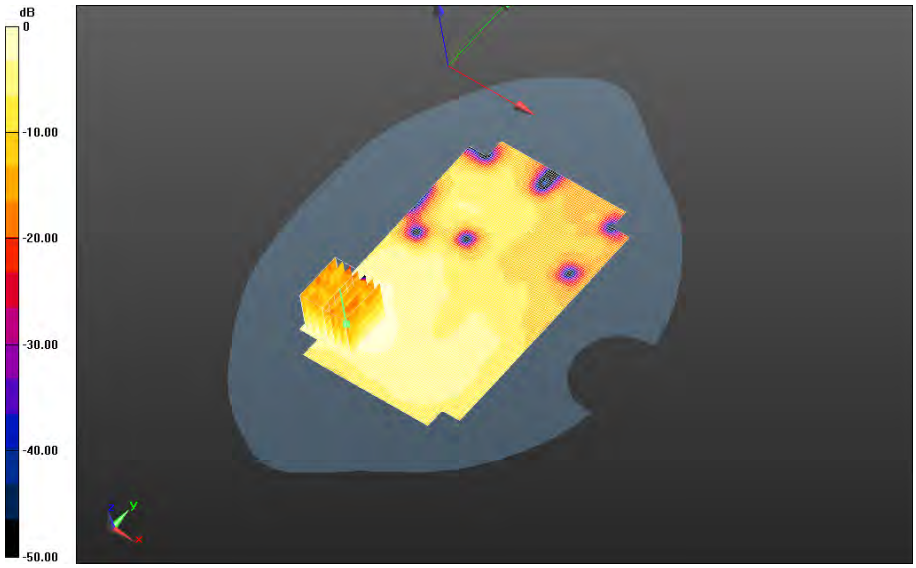


0 dB = 0.0186 W/kg = -17.30 dBW/kg

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# LTE Band 7

Date: 4/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.916 S/m; $\varepsilon_r$ = 38.276; $\rho$ = 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/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.960 V/m; **Power Drift = 0.095 dB**

**Fast SAR: SAR(1g) = 0.422 W/kg; SAR(10g) = 0.223 W/kg**
Maximum value of SAR (interpolated) = 0.561 W/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.960 V/m; **Power Drift = 0.095 dB**

**Averaged SAR: SAR(1g) = 0.409 W/kg; SAR(10g) = 0.236 W/kg**
Maximum value of SAR (interpolated) = 0.659 W/kg

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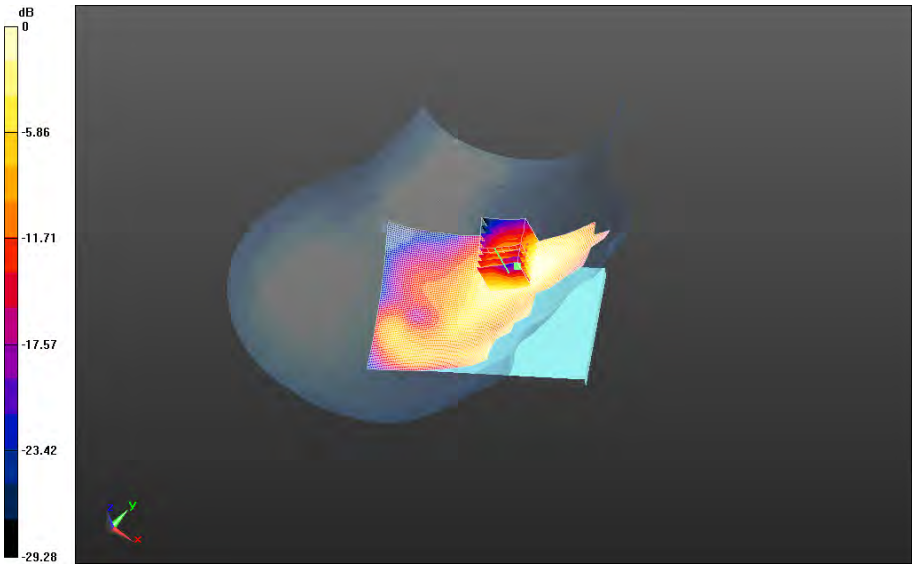


0 dB = 0.490 W/kg = -3.10 dBW/kg

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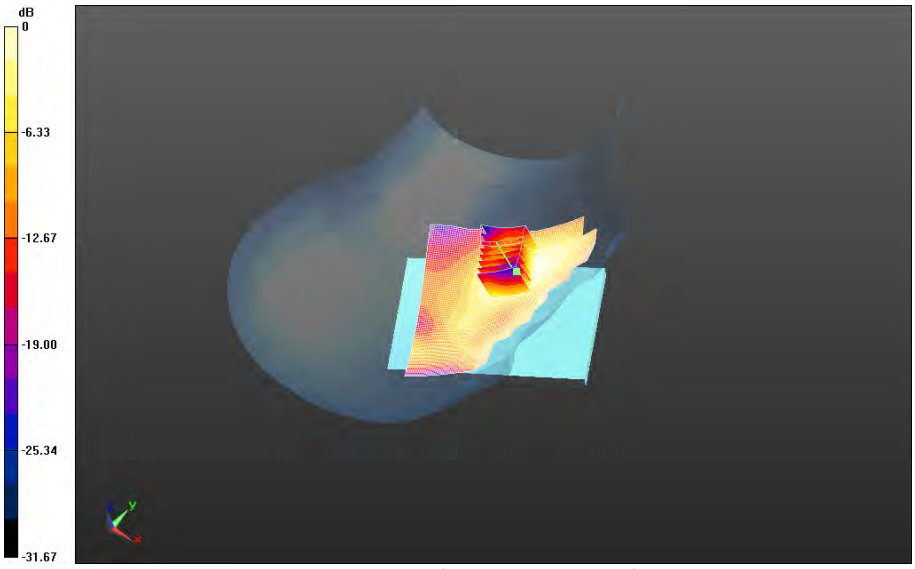
**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_21.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.299 V/m; **Power Drift = -0.072 dB**

**Fast SAR: SAR(1g) = 0.462 W/kg; SAR(10g) = 0.253 W/kg**
Maximum value of SAR (interpolated) = 0.576 W/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_21.6C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.299 V/m; **Power Drift = -0.072 dB**

**Averaged SAR: SAR(1g) = 0.485 W/kg; SAR(10g) = 0.280 W/kg**
Maximum value of SAR (interpolated) = 0.785 W/kg




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

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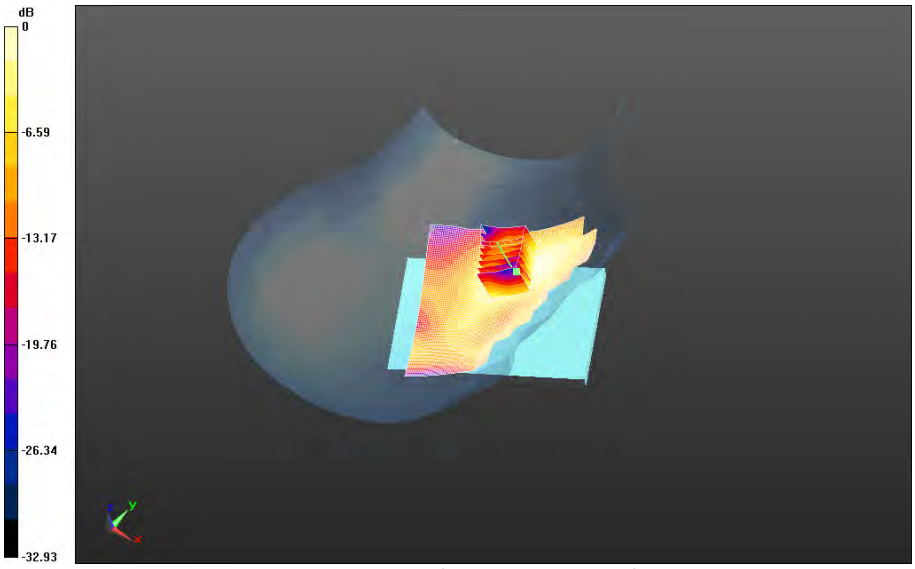
**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.924 V/m; **Power Drift = 0.137 dB**

**Fast SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.248 W/kg**
Maximum value of SAR (interpolated) = 0.573 W/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.924 V/m; **Power Drift = 0.137 dB**

**Averaged SAR: SAR(1g) = 0.474 W/kg; SAR(10g) = 0.272 W/kg**
Maximum value of SAR (interpolated) = 0.765 W/kg




0 dB = 0.563 W/kg = -2.49 dBW/kg

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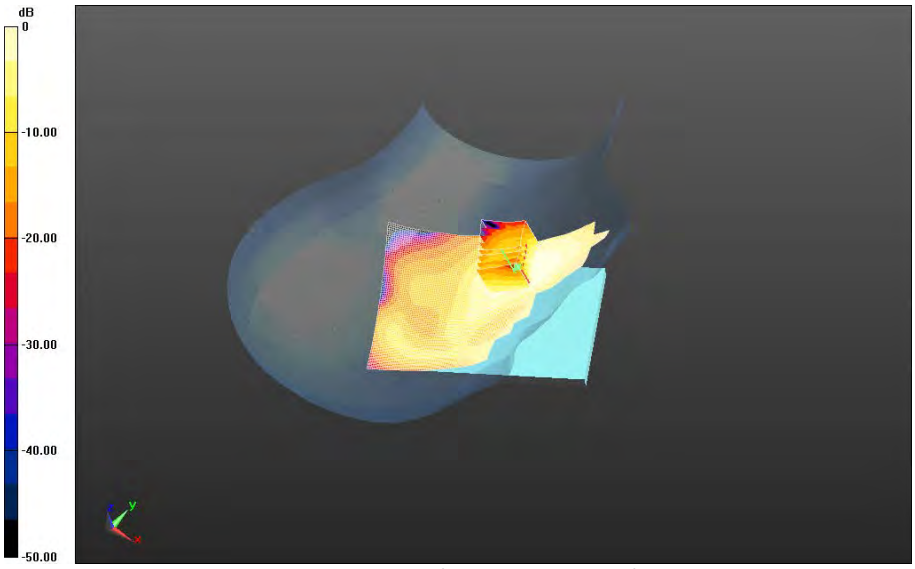
**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.326 V/m; **Power Drift = 0.311 dB**

**Fast SAR: SAR(1g) = 0.299 W/kg; SAR(10g) = 0.158 W/kg**
Maximum value of SAR (interpolated) = 0.388 W/kg

**Right-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.326 V/m; **Power Drift = 0.311 dB**

**Averaged SAR: SAR(1g) = 0.302 W/kg; SAR(10g) = 0.171 W/kg**
Maximum value of SAR (interpolated) = 0.490 W/kg




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

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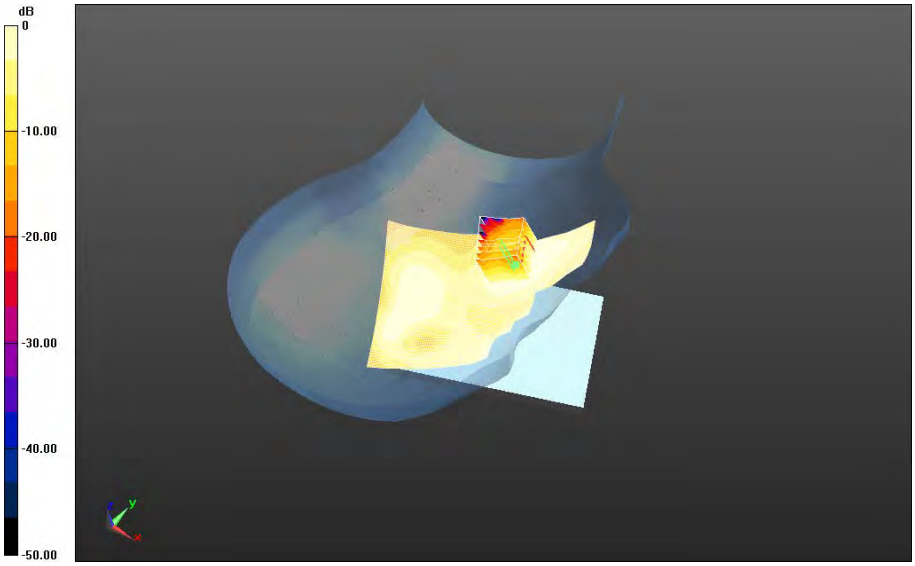
**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_21.6C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.244 V/m; **Power Drift = -0.170 dB**

**Fast SAR: SAR(1g) = 0.125 W/kg; SAR(10g) = 0.0667 W/kg**
Maximum value of SAR (interpolated) = 0.168 W/kg

**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 8.244 V/m; **Power Drift = -0.170 dB**

**Averaged SAR: SAR(1g) = 0.120 W/kg; SAR(10g) = 0.0692 W/kg**
Maximum value of SAR (interpolated) = 0.186 W/kg
**Right-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_21.6C/Zoom Scan 2 (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 8.244 V/m; **Power Drift = -0.035 dB**

**Averaged SAR: SAR(1g) = 0.124 W/kg; SAR(10g) = 0.0708 W/kg**
Maximum value of SAR (interpolated) = 0.195 W/kg




0 dB = 0.147 W/kg = -8.33 dBW/kg

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Date: 4/7/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 1.916 S/m; $\varepsilon_r$ = 38.276; $\rho$ = 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/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.7C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.447 V/m; **Power Drift = 0.120 dB**

**Fast SAR: SAR(1g) = 0.268 W/kg; SAR(10g) = 0.145 W/kg**
Maximum value of SAR (interpolated) = 0.365 W/kg

**Left-Hand-Side HSL - LTE 7/Touch Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.7C/Zoom Scan (36x36x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.447 V/m; **Power Drift = 0.120 dB**

**Averaged SAR: SAR(1g) = 0.294 W/kg; SAR(10g) = 0.165 W/kg**
Maximum value of SAR (interpolated) = 0.487 W/kg

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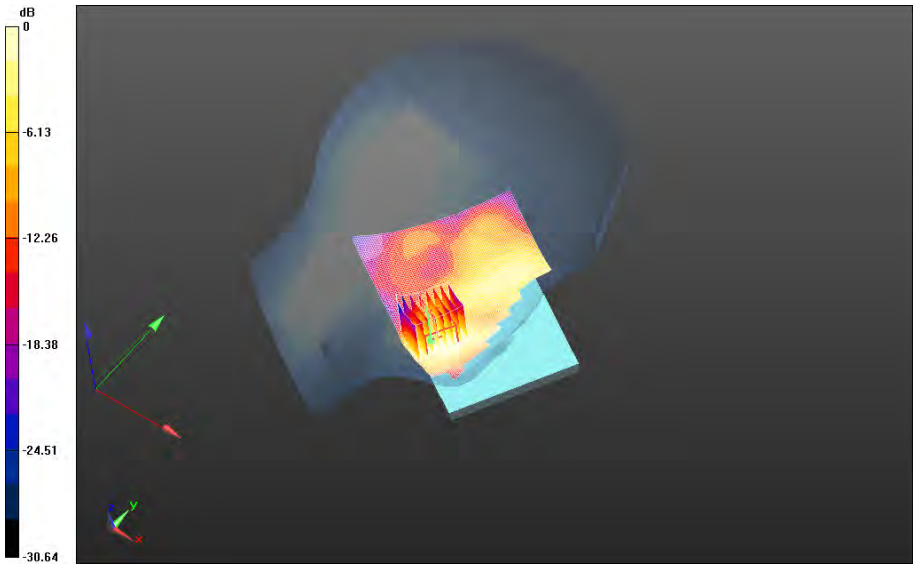


0 dB = 0.361 W/kg = -4.42 dBW/kg

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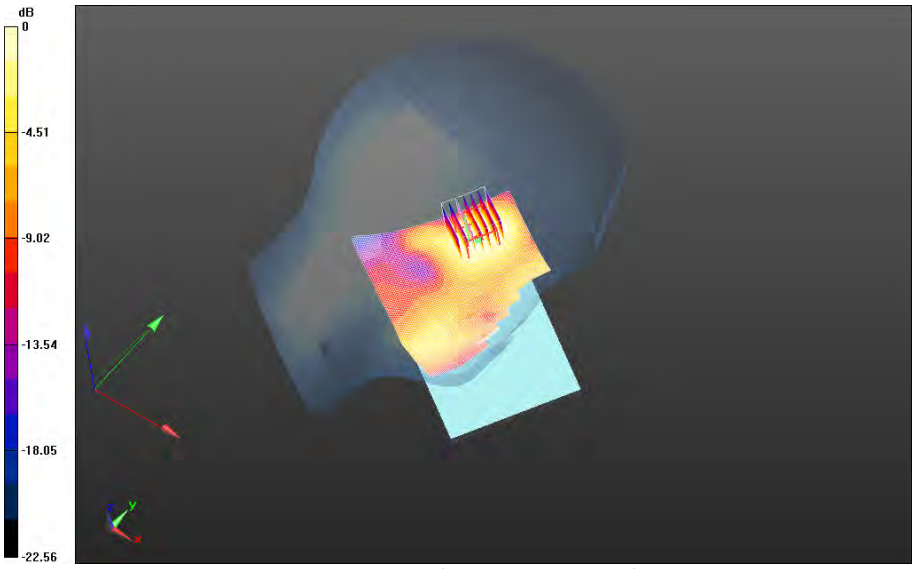
**Left-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x181x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.105 V/m; **Power Drift = 0.104 dB**

**Fast SAR: SAR(1g) = 0.133 W/kg; SAR(10g) = 0.0708 W/kg**
Maximum value of SAR (interpolated) = 0.173 W/kg

**Left-Hand-Side HSL - LTE 7/Tilt Position - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.105 V/m; **Power Drift = 0.104 dB**

**Averaged SAR: SAR(1g) = 0.137 W/kg; SAR(10g) = 0.0756 W/kg**
Maximum value of SAR (interpolated) = 0.234 W/kg




0 dB = 0.165 W/kg = -7.83 dBW/kg

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Date: 4/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Mobile Hot Spot MSL - LTE 7

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 2.143 S/m; $\varepsilon_r$ = 50.787; $\rho$ = 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 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.5C_liq_temp_21.5C/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.411 V/m; **Power Drift = -0.185 dB**

**Fast SAR: SAR(1g) = 1.43 W/kg; SAR(10g) = 0.647 W/kg**
Maximum value of SAR (interpolated) = 1.93 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.5C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.411 V/m; **Power Drift = -0.185 dB**

**Averaged SAR: SAR(1g) = 1.41 W/kg; SAR(10g) = 0.657 W/kg**
Maximum value of SAR (interpolated) = 2.84 W/kg

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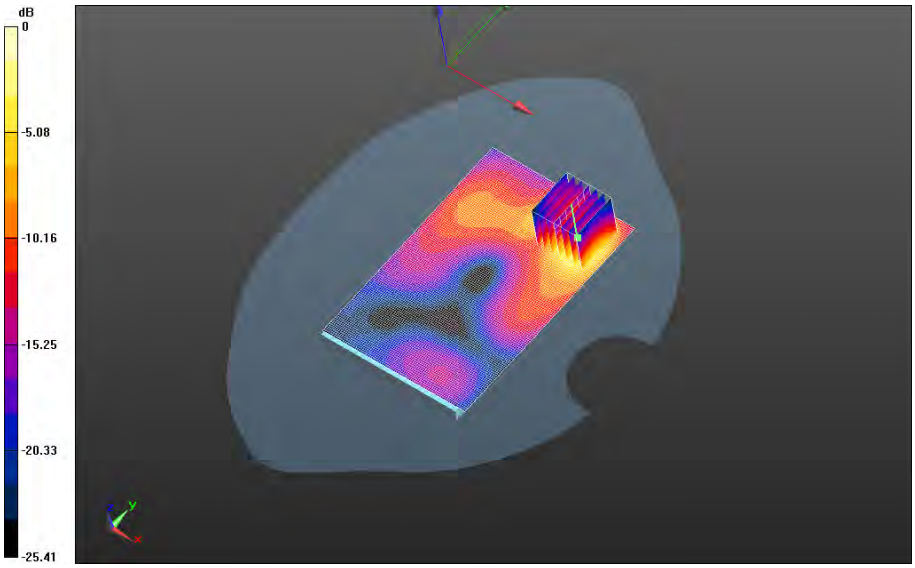


0 dB = 1.84 W/kg = 2.65 dBW/kg

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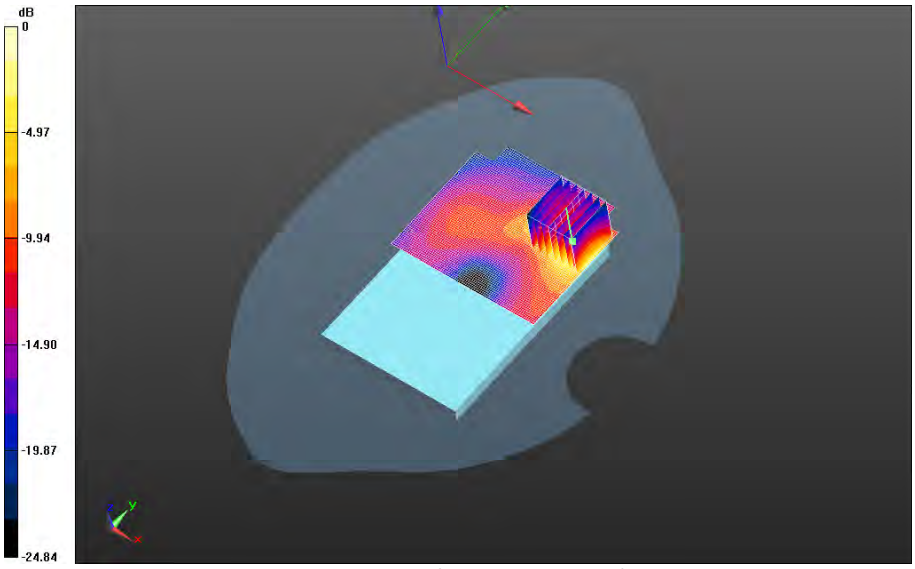
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_24.2C_liq_temp_21.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.000 V/m; **Power Drift = 0.176 dB**

**Fast SAR: SAR(1g) = 1.36 W/kg; SAR(10g) = 0.626 W/kg**
Maximum value of SAR (interpolated) = 1.87 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_24.2C_liq_temp_21.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.000 V/m; **Power Drift = 0.176 dB**

**Averaged SAR: SAR(1g) = 1.40 W/kg; SAR(10g) = 0.652 W/kg**
Maximum value of SAR (interpolated) = 2.81 W/kg




0 dB = 1.81 W/kg = 2.58 dBW/kg

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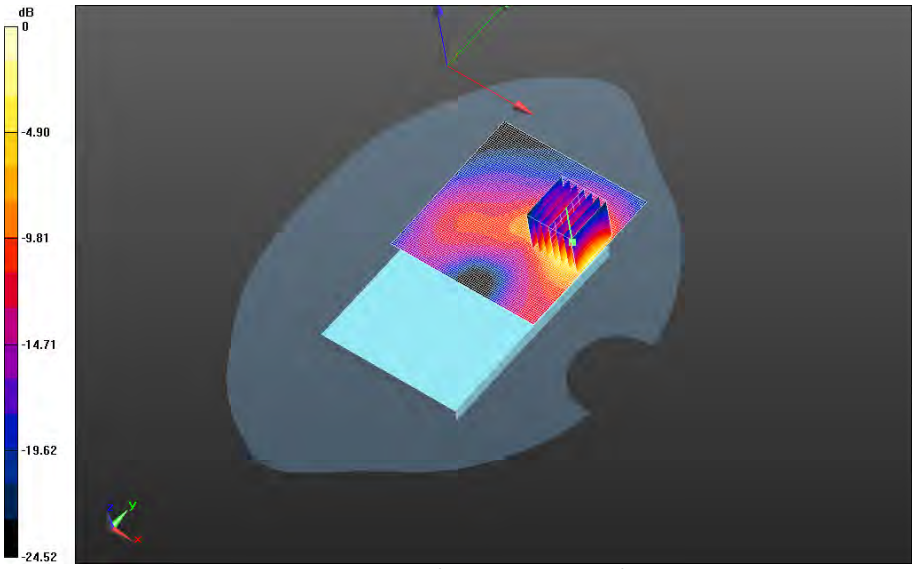
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_21.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.772 V/m; **Power Drift = -0.063 dB**

**Fast SAR: SAR(1g) = 1.37 W/kg; SAR(10g) = 0.627 W/kg**
Maximum value of SAR (interpolated) = 1.91 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_24.1C_liq_temp_21.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.772 V/m; **Power Drift = -0.063 dB**

**Averaged SAR: SAR(1g) = 1.38 W/kg; SAR(10g) = 0.635 W/kg**
Maximum value of SAR (interpolated) = 2.80 W/kg




0 dB = 1.79 W/kg = 2.53 dBW/kg

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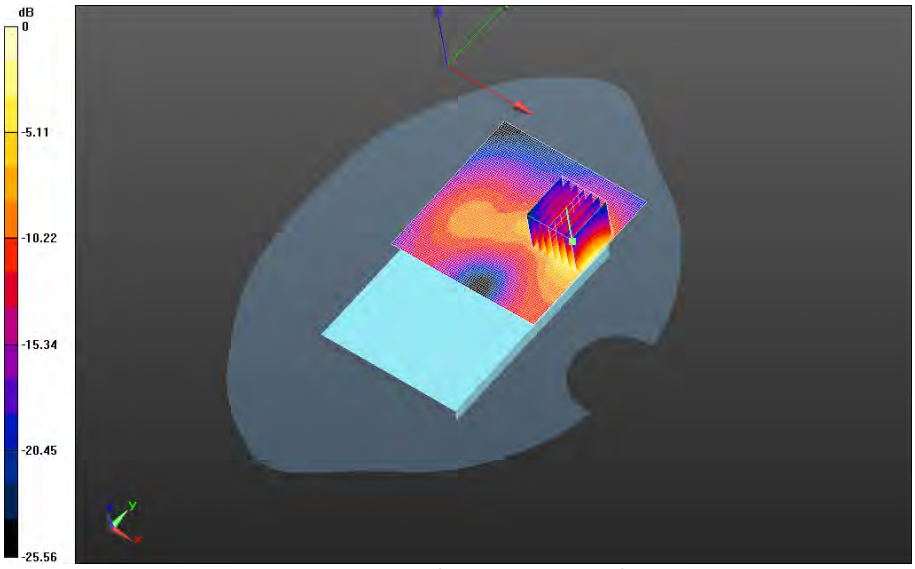
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.605 V/m; **Power Drift = 0.083 dB**

**Fast SAR: SAR(1g) = 1.34 W/kg; SAR(10g) = 0.621 W/kg**
Maximum value of SAR (interpolated) = 1.87 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.605 V/m; **Power Drift = 0.083 dB**

**Averaged SAR: SAR(1g) = 1.39 W/kg; SAR(10g) = 0.649 W/kg**
Maximum value of SAR (interpolated) = 2.81 W/kg




0 dB = 1.82 W/kg = 2.60 dBW/kg

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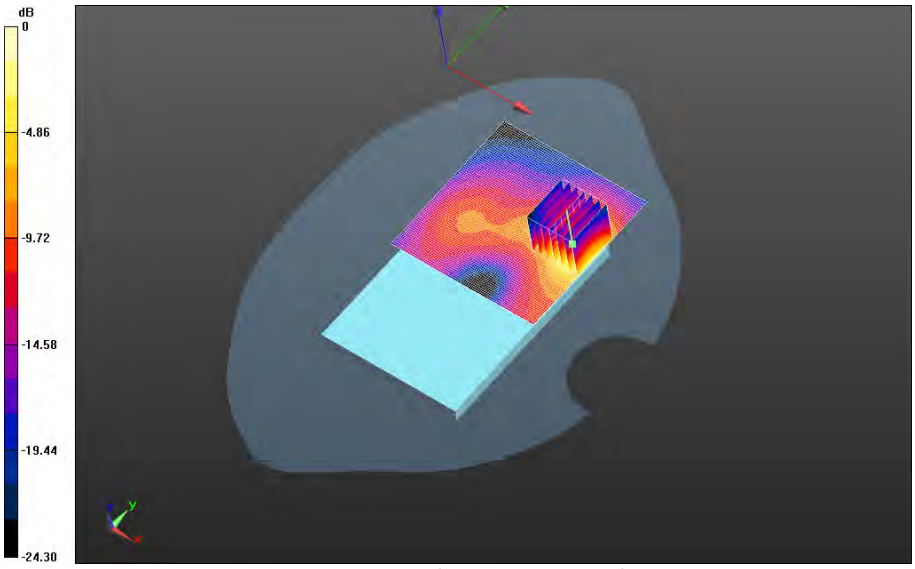
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.986 V/m; **Power Drift = 0.290 dB**

**Fast SAR: SAR(1g) = 0.995 W/kg; SAR(10g) = 0.473 W/kg**
Maximum value of SAR (interpolated) = 1.34 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.986 V/m; **Power Drift = 0.290 dB**

**Averaged SAR: SAR(1g) = 1.03 W/kg; SAR(10g) = 0.493 W/kg**
Maximum value of SAR (interpolated) = 2.05 W/kg




0 dB = 1.33 W/kg = 1.24 dBW/kg

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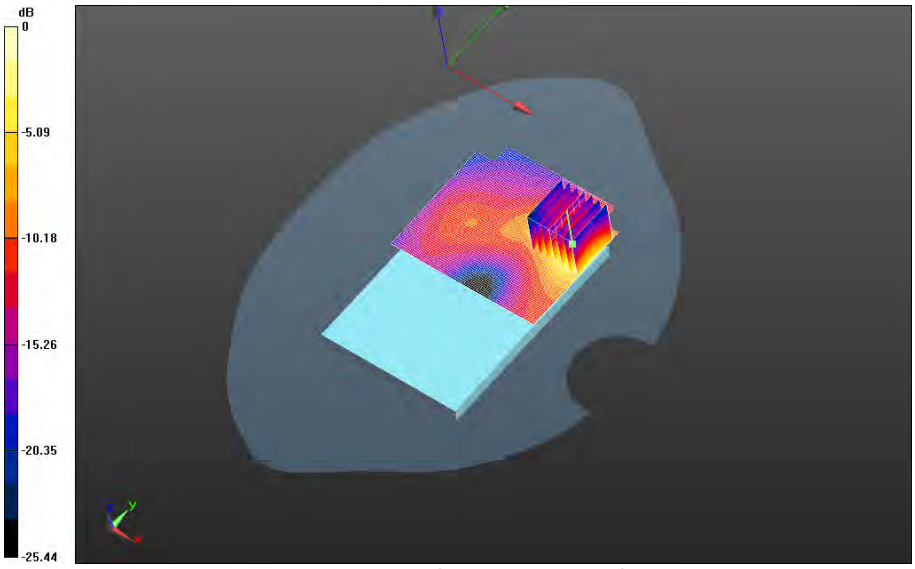
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.789 V/m; **Power Drift = 0.157 dB**

**Fast SAR: SAR(1g) = 0.986 W/kg; SAR(10g) = 0.467 W/kg**
Maximum value of SAR (interpolated) = 1.33 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.789 V/m; **Power Drift = 0.157 dB**

**Averaged SAR: SAR(1g) = 1.02 W/kg; SAR(10g) = 0.481 W/kg**
Maximum value of SAR (interpolated) = 2.04 W/kg




0 dB = 1.31 W/kg = 1.17 dBW/kg

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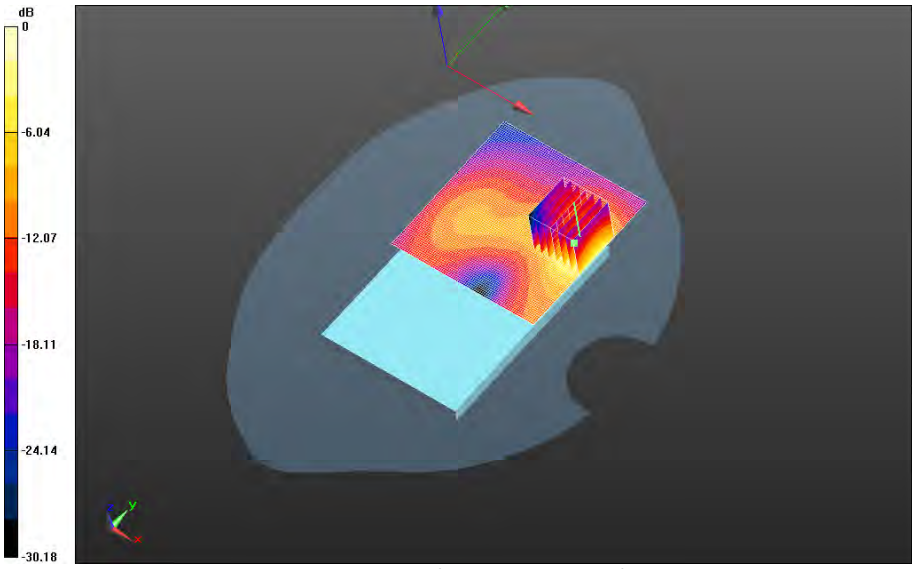
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.8C_liq_temp_21.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.300 V/m; **Power Drift = 0.181 dB**

**Fast SAR: SAR(1g) = 1.01 W/kg; SAR(10g) = 0.483 W/kg**
Maximum value of SAR (interpolated) = 1.35 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.8C_liq_temp_21.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.300 V/m; **Power Drift = 0.181 dB**

**Averaged SAR: SAR(1g) = 1.22 W/kg; SAR(10g) = 0.570 W/kg**
Maximum value of SAR (interpolated) = 2.49 W/kg




0 dB = 1.58 W/kg = 1.99 dBW/kg

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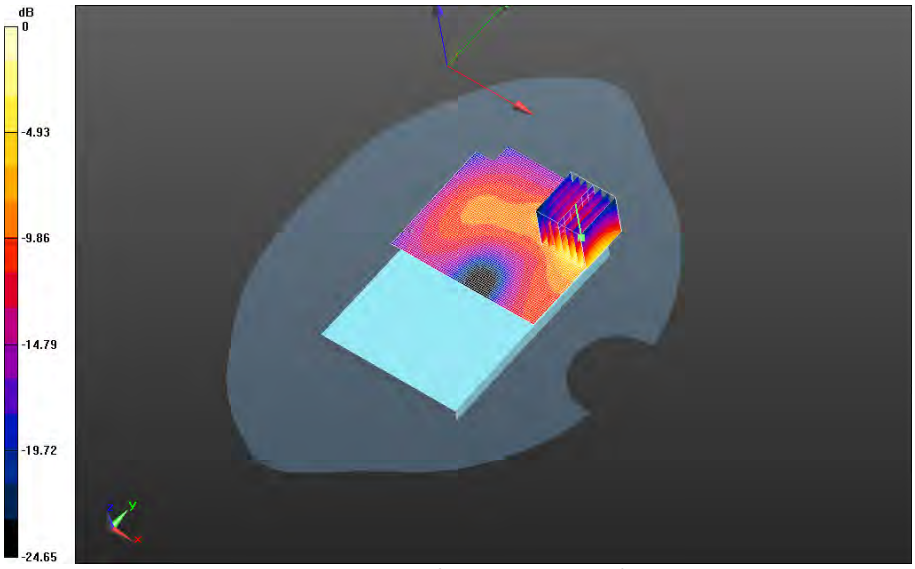
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_21.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.894 V/m; **Power Drift = 0.066 dB**

**Fast SAR: SAR(1g) = 1.10 W/kg; SAR(10g) = 0.503 W/kg**
Maximum value of SAR (interpolated) = 1.48 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21100_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_21.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.894 V/m; **Power Drift = 0.066 dB**

**Averaged SAR: SAR(1g) = 1.17 W/kg; SAR(10g) = 0.547 W/kg**
Maximum value of SAR (interpolated) = 2.36 W/kg




0 dB = 1.51 W/kg = 1.79 dBW/kg

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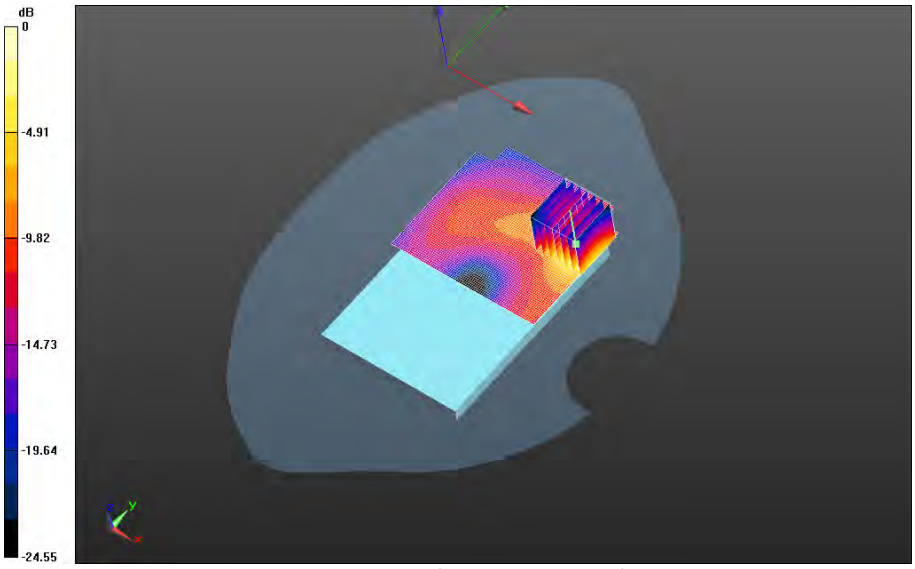
**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_21.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.849 V/m; **Power Drift = -0.193 dB**

**Fast SAR: SAR(1g) = 1.18 W/kg; SAR(10g) = 0.547 W/kg**
Maximum value of SAR (interpolated) = 1.59 W/kg

**Mobile Hot Spot MSL - LTE 7/10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.849 V/m; **Power Drift = -0.193 dB**

**Averaged SAR: SAR(1g) = 1.24 W/kg; SAR(10g) = 0.576 W/kg**
Maximum value of SAR (interpolated) = 2.54 W/kg




0 dB = 1.62 W/kg = 2.10 dBW/kg

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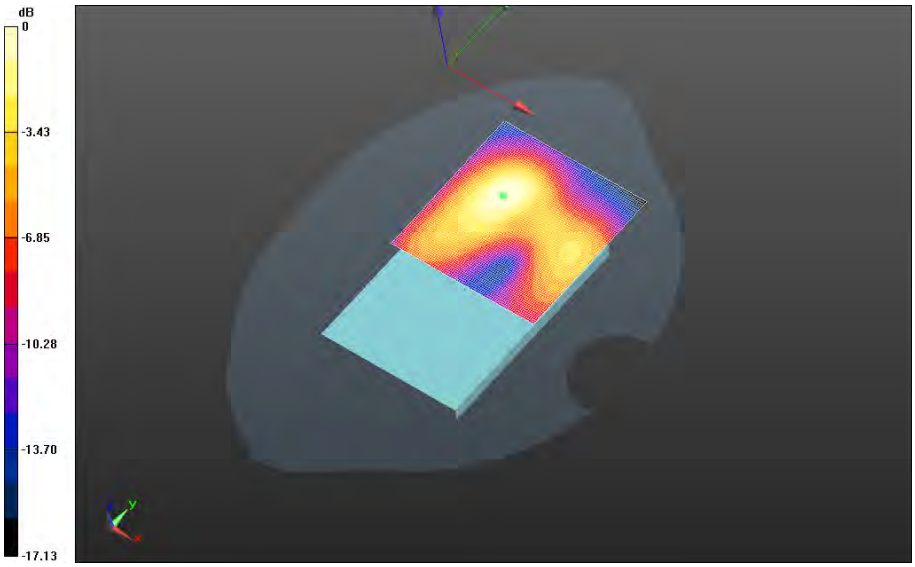
**Mobile Hot Spot MSL - LTE 7/10mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.5C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.268 V/m; **Power Drift = 0.096 dB**

**Fast SAR: SAR(1g) = 0.501 W/kg; SAR(10g) = 0.260 W/kg**
Maximum value of SAR (interpolated) = 0.649 W/kg




0 dB = 0.649 W/kg = -1.88 dBW/kg

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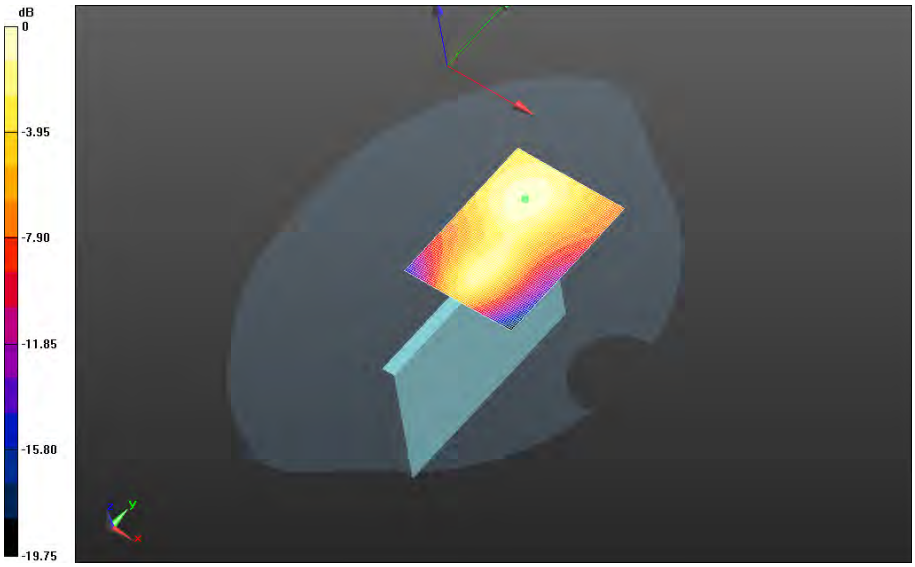
**Mobile Hot Spot MSL - LTE 7/10mm Device Right - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_21.4C/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.733 V/m; **Power Drift = 0.056 dB**

**Fast SAR: SAR(1g) = 0.136 W/kg; SAR(10g) = 0.0743 W/kg**
Maximum value of SAR (interpolated) = 0.171 W/kg




0 dB = 0.171 W/kg = -7.67 dBW/kg

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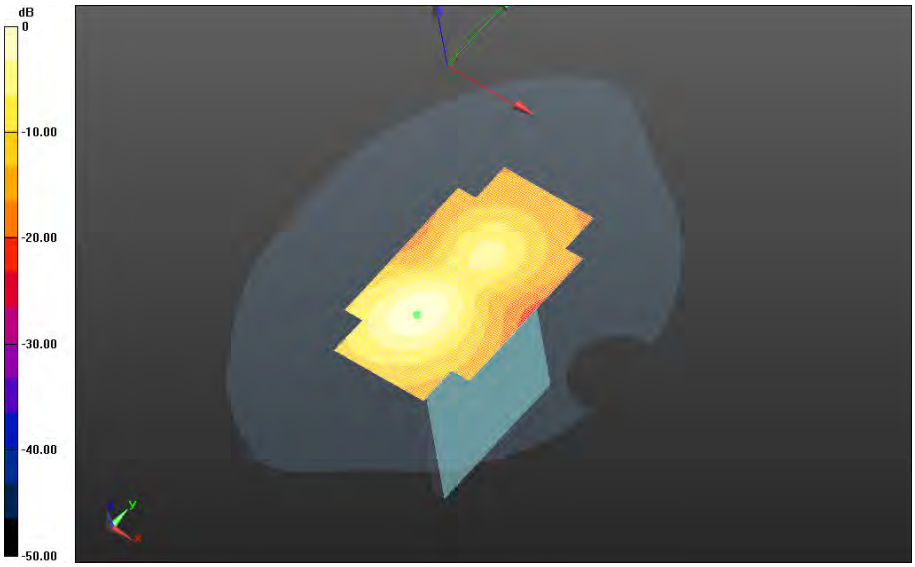
**Mobile Hot Spot MSL - LTE 7/10mm Device Bottom - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_21.3C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 9.228 V/m; **Power Drift = 0.048 dB**

**Fast SAR: SAR(1g) = 0.771 W/kg; SAR(10g) = 0.381 W/kg**
Maximum value of SAR (interpolated) = 1.00 W/kg




0 dB = 1.00 W/kg = 0.00 dBW/kg

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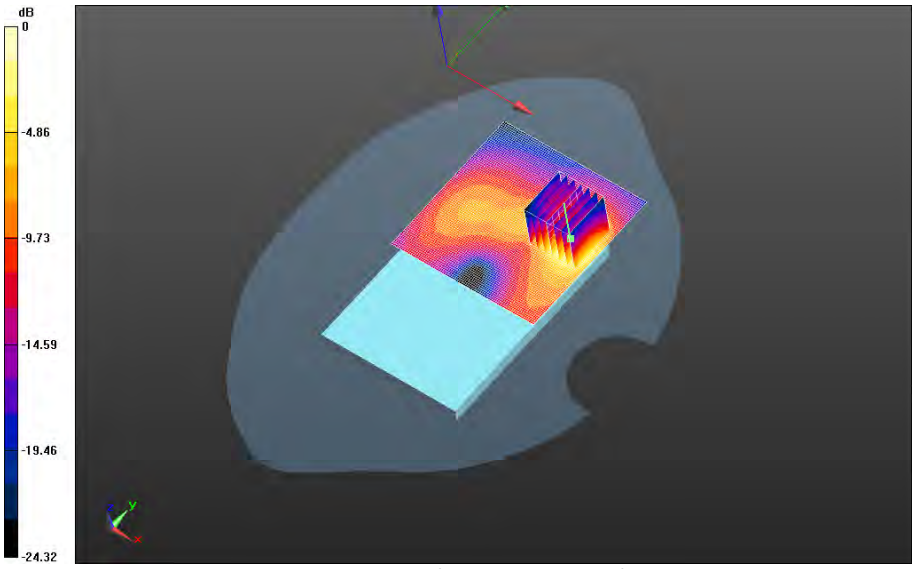
**Mobile Hot Spot MSL - LTE 7/Headset 10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.5C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.114 V/m; **Power Drift = 0.035 dB**

**Fast SAR: SAR(1g) = 1.27 W/kg; SAR(10g) = 0.589 W/kg**
Maximum value of SAR (interpolated) = 1.75 W/kg

**Mobile Hot Spot MSL - LTE 7/Headset 10mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.114 V/m; **Power Drift = 0.035 dB**

**Averaged SAR: SAR(1g) = 1.32 W/kg; SAR(10g) = 0.619 W/kg**
Maximum value of SAR (interpolated) = 2.62 W/kg




0 dB = 1.51 W/kg = 1.79 dBW/kg

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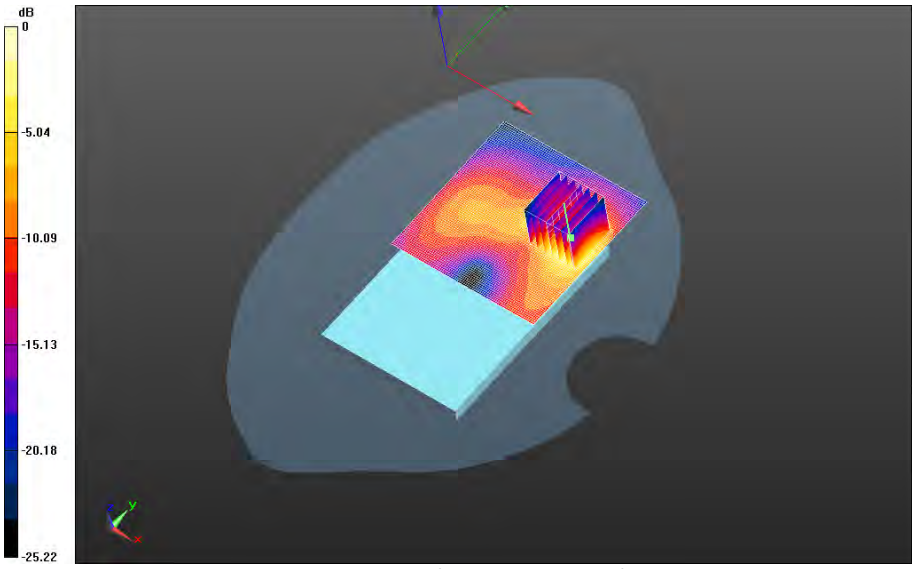
**Mobile Hot Spot MSL - LTE 7/2nd Scan 10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.5C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.188 V/m; **Power Drift = 0.399 dB**

**Fast SAR: SAR(1g) = 1.38 W/kg; SAR(10g) = 0.638 W/kg**
Maximum value of SAR (interpolated) = 1.94 W/kg

**Mobile Hot Spot MSL - LTE 7/2nd Scan 10mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.188 V/m; **Power Drift = 0.399 dB**

**Averaged SAR: SAR(1g) = 1.43 W/kg; SAR(10g) = 0.664 W/kg**
Maximum value of SAR (interpolated) = 2.87 W/kg




0 dB = 1.64 W/kg = 2.15 dBW/kg

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Date: 4/8/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Body Worn MSL - LTE 7

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; $\sigma$ = 2.143 S/m; $\varepsilon_r$ = 50.787; $\rho$ = 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 7/15mm 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 = 2.244 V/m; **Power Drift = 0.058 dB**

**Fast SAR: SAR(1g) = 1.42 W/kg; SAR(10g) = 0.698 W/kg**
Maximum value of SAR (interpolated) = 1.84 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_20.9C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.244 V/m; **Power Drift = 0.058 dB**

**Averaged SAR: SAR(1g) = 1.44 W/kg; SAR(10g) = 0.726 W/kg**
Maximum value of SAR (interpolated) = 2.77 W/kg

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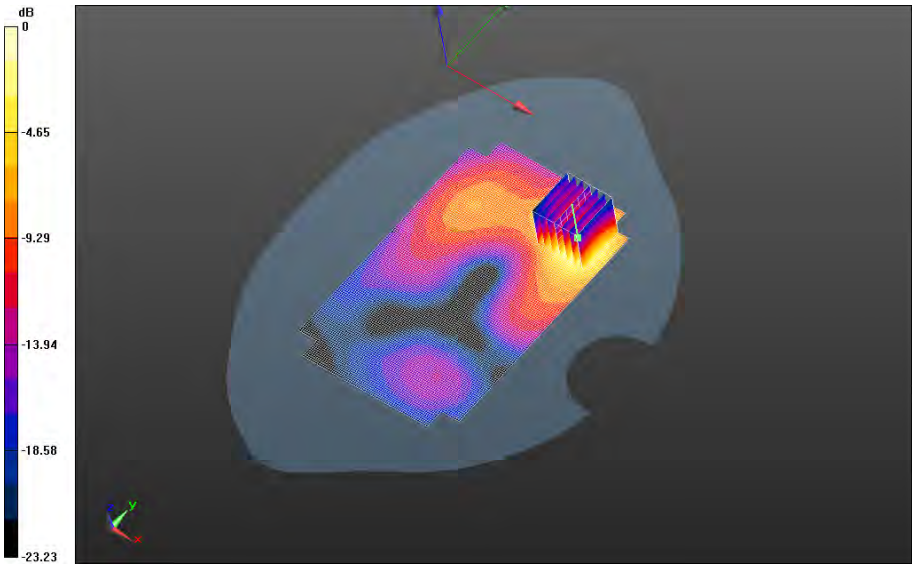


0 dB = 1.81 W/kg = 2.58 dBW/kg

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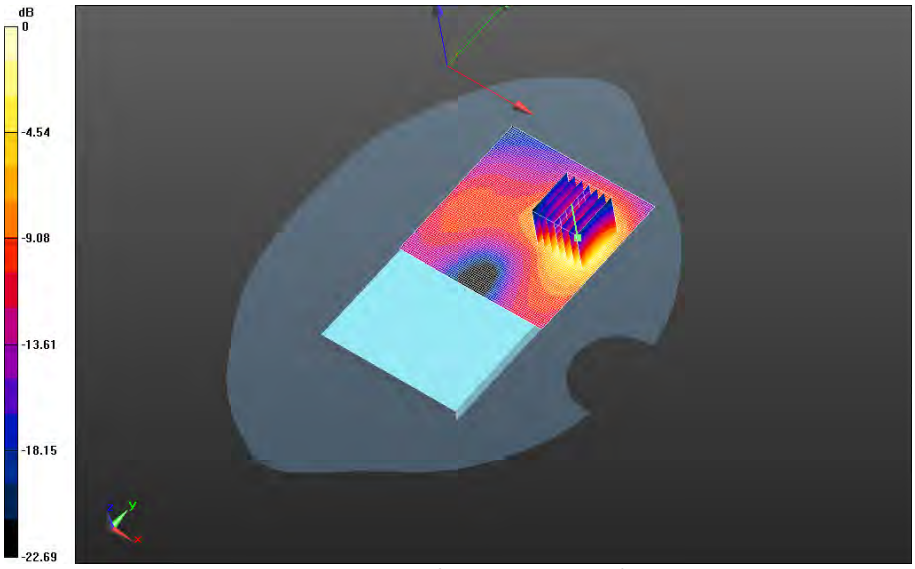
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.590 V/m; **Power Drift = 0.099 dB**

**Fast SAR: SAR(1g) = 1.41 W/kg; SAR(10g) = 0.696 W/kg**
Maximum value of SAR (interpolated) = 1.83 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.590 V/m; **Power Drift = 0.099 dB**

**Averaged SAR: SAR(1g) = 1.43 W/kg; SAR(10g) = 0.718 W/kg**
Maximum value of SAR (interpolated) = 2.82 W/kg




0 dB = 1.83 W/kg = 2.62 dBW/kg

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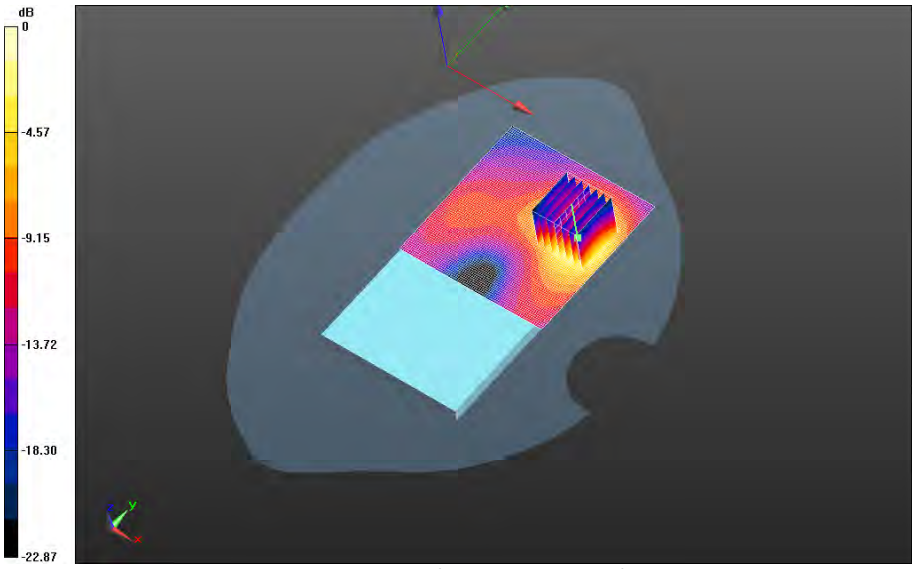
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.485 V/m; **Power Drift = 0.177 dB**

**Fast SAR: SAR(1g) = 1.36 W/kg; SAR(10g) = 0.668 W/kg**
Maximum value of SAR (interpolated) = 1.76 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.485 V/m; **Power Drift = 0.177 dB**

**Averaged SAR: SAR(1g) = 1.37 W/kg; SAR(10g) = 0.680 W/kg**
Maximum value of SAR (interpolated) = 2.73 W/kg




0 dB = 1.77 W/kg = 2.48 dBW/kg

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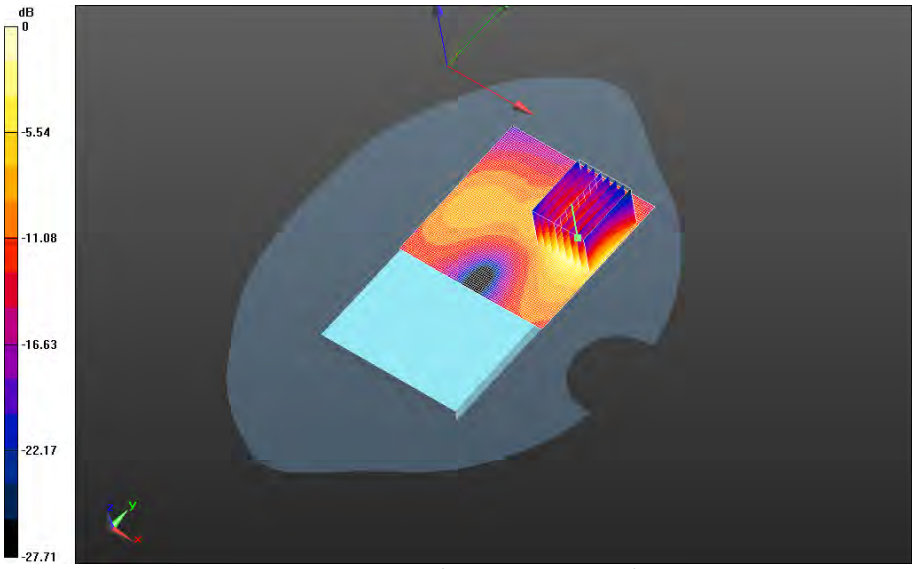
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_High_amb_temp_23.6C_liq_temp_20.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.514 V/m; **Power Drift = 0.176 dB**

**Fast SAR: SAR(1g) = 0.705 W/kg; SAR(10g) = 0.348 W/kg**
Maximum value of SAR (interpolated) = 0.915 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB50_Offset_High_amb_temp_23.6C_liq_temp_20.7C/Zoom Scan (36x41x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.514 V/m; **Power Drift = 0.176 dB**

**Averaged SAR: SAR(1g) = 0.713 W/kg; SAR(10g) = 0.359 W/kg**
Maximum value of SAR (interpolated) = 1.40 W/kg




0 dB = 0.912 W/kg = -0.40 dBW/kg

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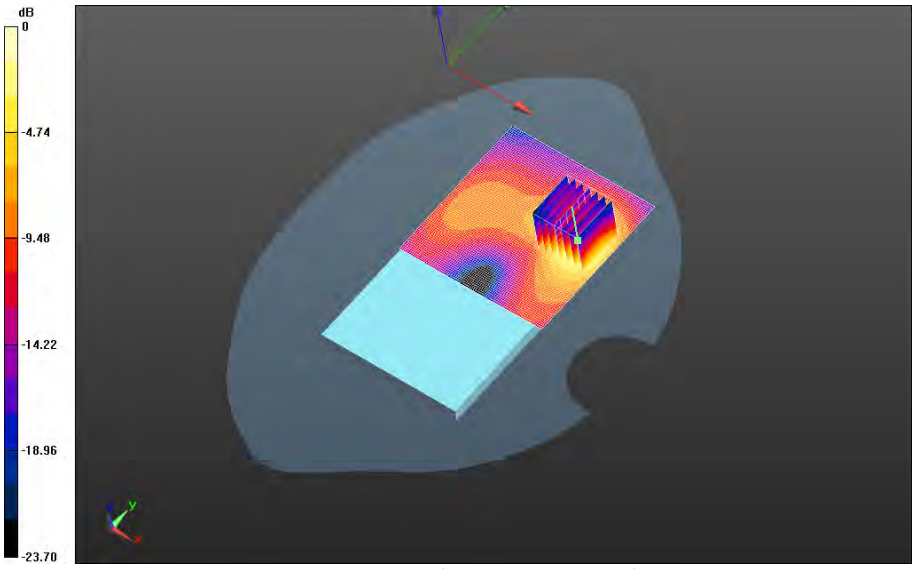
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_20.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.372 V/m; **Power Drift = -0.144 dB**

**Fast SAR: SAR(1g) = 0.659 W/kg; SAR(10g) = 0.322 W/kg**
Maximum value of SAR (interpolated) = 0.870 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_20.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.372 V/m; **Power Drift = -0.144 dB**

**Averaged SAR: SAR(1g) = 0.673 W/kg; SAR(10g) = 0.334 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg




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

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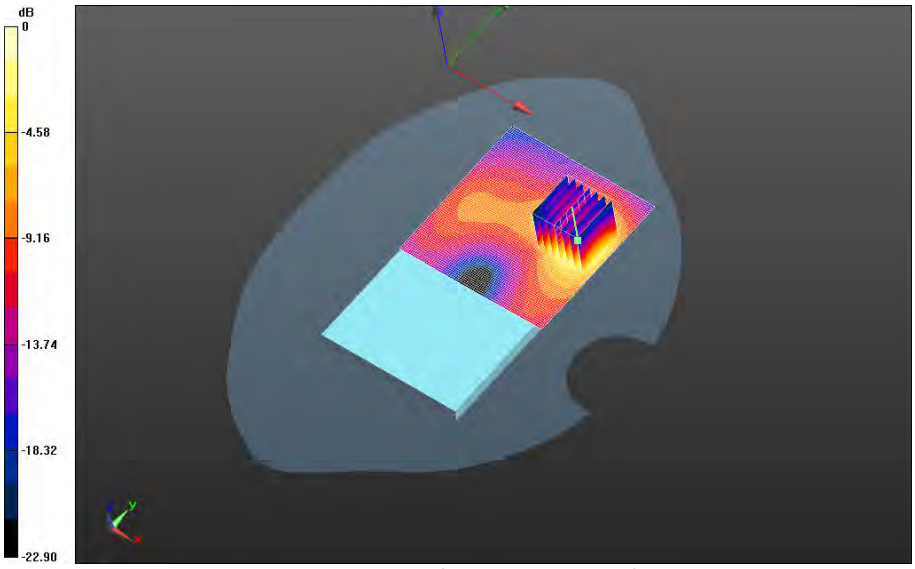
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.5C_liq_temp_20.7C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.411 V/m; **Power Drift = -0.076 dB**

**Fast SAR: SAR(1g) = 0.688 W/kg; SAR(10g) = 0.335 W/kg**
Maximum value of SAR (interpolated) = 0.903 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB50_Offset_Low_amb_temp_23.5C_liq_temp_20.7C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.411 V/m; **Power Drift = -0.076 dB**

**Averaged SAR: SAR(1g) = 0.698 W/kg; SAR(10g) = 0.346 W/kg**
Maximum value of SAR (interpolated) = 1.37 W/kg




0 dB = 0.882 W/kg = -0.55 dBW/kg

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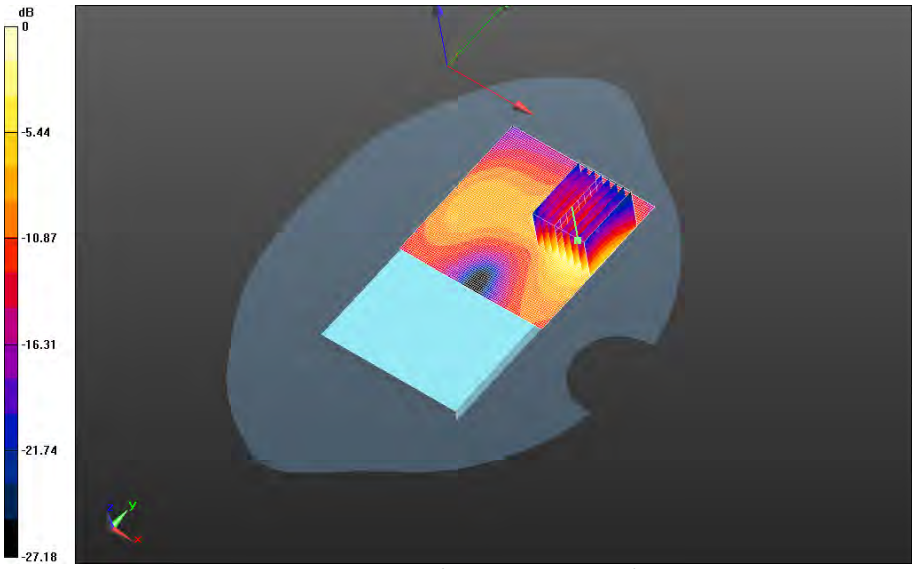
**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.5C_liq_temp_20.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.587 V/m; **Power Drift = 0.254 dB**

**Fast SAR: SAR(1g) = 0.674 W/kg; SAR(10g) = 0.331 W/kg**
Maximum value of SAR (interpolated) = 0.883 W/kg

**Body Worn MSL - LTE 7/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB100_Offset_Low_amb_temp_23.5C_liq_temp_20.6C/Zoom Scan (36x41x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.587 V/m; **Power Drift = 0.254 dB**

**Averaged SAR: SAR(1g) = 0.687 W/kg; SAR(10g) = 0.343 W/kg**
Maximum value of SAR (interpolated) = 1.35 W/kg




0 dB = 0.879 W/kg = -0.56 dBW/kg

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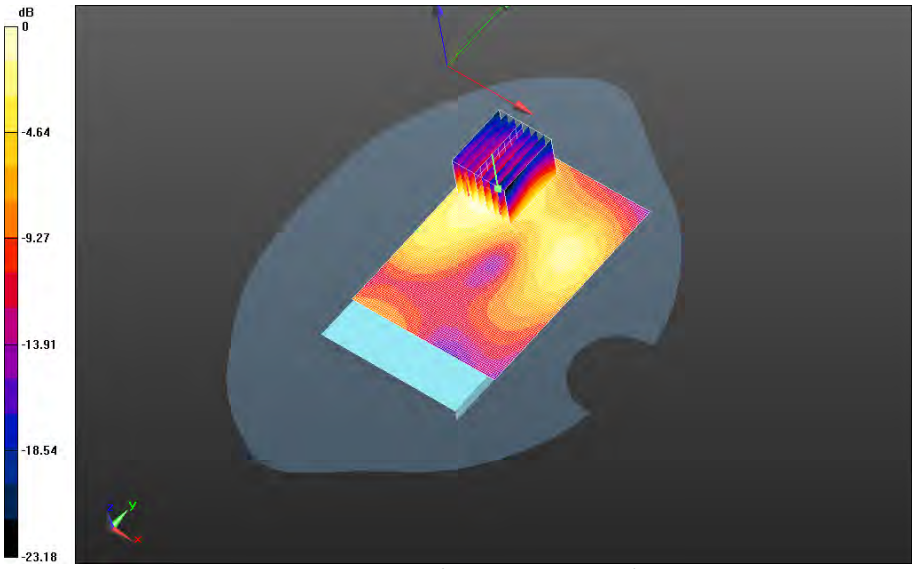
**Body Worn MSL - LTE 7/15mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_20.7C/Area Scan (81x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.598 V/m; **Power Drift = -0.000519 dB**

**Fast SAR: SAR(1g) = 0.535 W/kg; SAR(10g) = 0.287 W/kg**
Maximum value of SAR (interpolated) = 0.671 W/kg

**Body Worn MSL - LTE 7/15mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_24.0C_liq_temp_20.7C/Zoom Scan (36x41x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.598 V/m; **Power Drift = -0.000519 dB**

**Averaged SAR: SAR(1g) = 0.544 W/kg; SAR(10g) = 0.292 W/kg**
Maximum value of SAR (interpolated) = 1.03 W/kg




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

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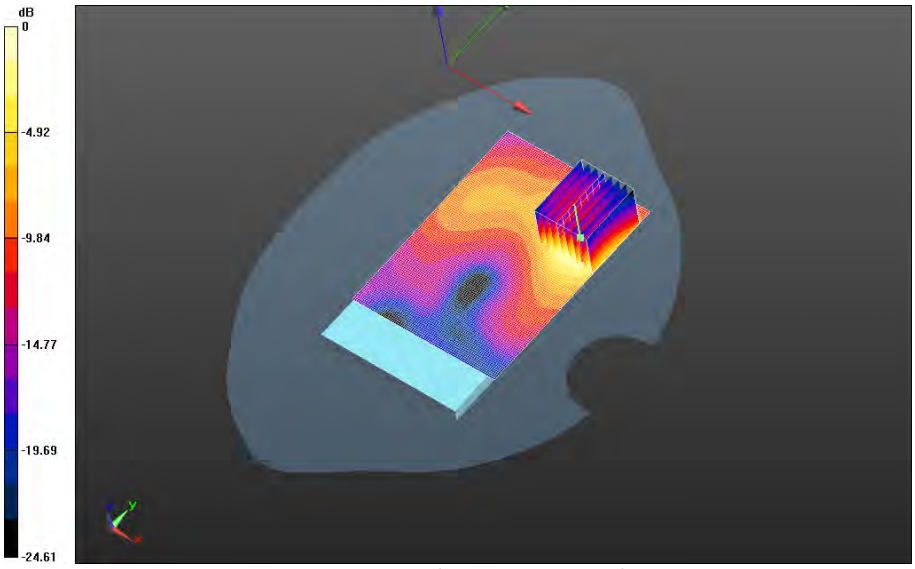
**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_20.6C/Area Scan (81x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.905 V/m; **Power Drift = 0.166 dB**

**Fast SAR: SAR(1g) = 0.869 W/kg; SAR(10g) = 0.445 W/kg**
Maximum value of SAR (interpolated) = 1.11 W/kg

**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_20.6C/Zoom Scan (36x41x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.905 V/m; **Power Drift = 0.166 dB**

**Averaged SAR: SAR(1g) = 0.869 W/kg; SAR(10g) = 0.453 W/kg**
Maximum value of SAR (interpolated) = 1.68 W/kg




0 dB = 1.10 W/kg = 0.41 dBW/kg

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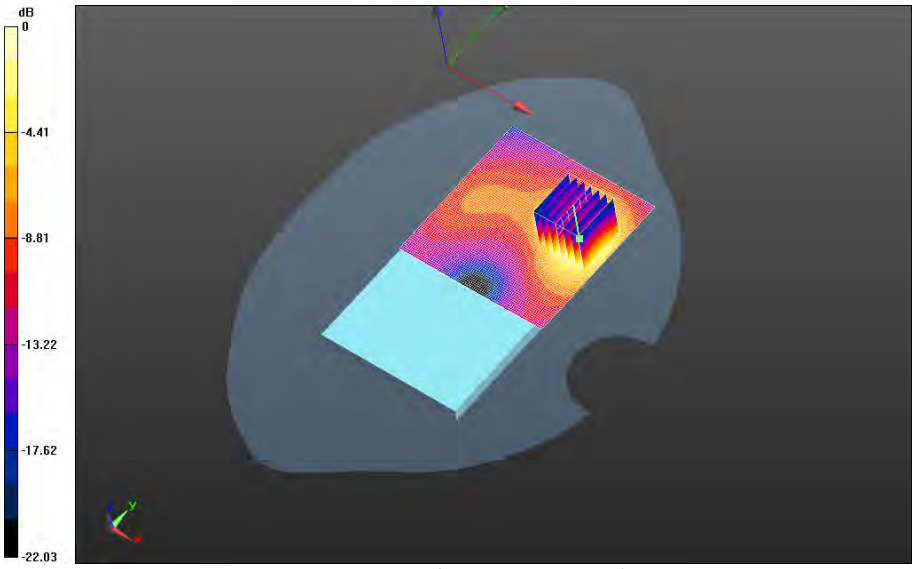
**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.555 V/m; **Power Drift = 0.272 dB**

**Fast SAR: SAR(1g) = 0.871 W/kg; SAR(10g) = 0.445 W/kg**
Maximum value of SAR (interpolated) = 1.11 W/kg

**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.555 V/m; **Power Drift = 0.272 dB**

**Averaged SAR: SAR(1g) = 0.884 W/kg; SAR(10g) = 0.456 W/kg**
Maximum value of SAR (interpolated) = 1.74 W/kg




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

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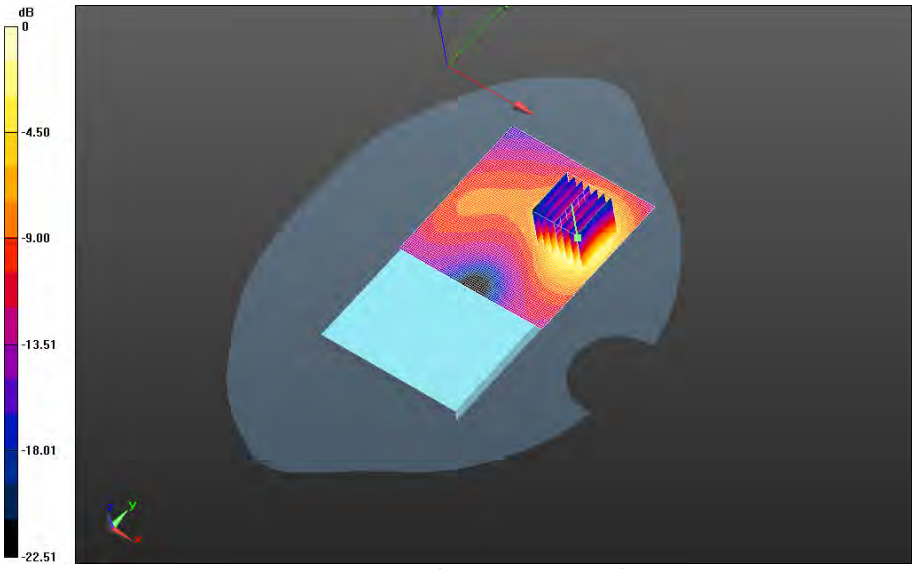
**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.6C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.586 V/m; **Power Drift = -0.195 dB**

**Fast SAR: SAR(1g) = 0.853 W/kg; SAR(10g) = 0.434 W/kg**
Maximum value of SAR (interpolated) = 1.09 W/kg

**Body Worn MSL - LTE 7/Holster Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.586 V/m; **Power Drift = -0.195 dB**

**Averaged SAR: SAR(1g) = 0.862 W/kg; SAR(10g) = 0.444 W/kg**
Maximum value of SAR (interpolated) = 1.68 W/kg




0 dB = 1.09 W/kg = 0.37 dBW/kg

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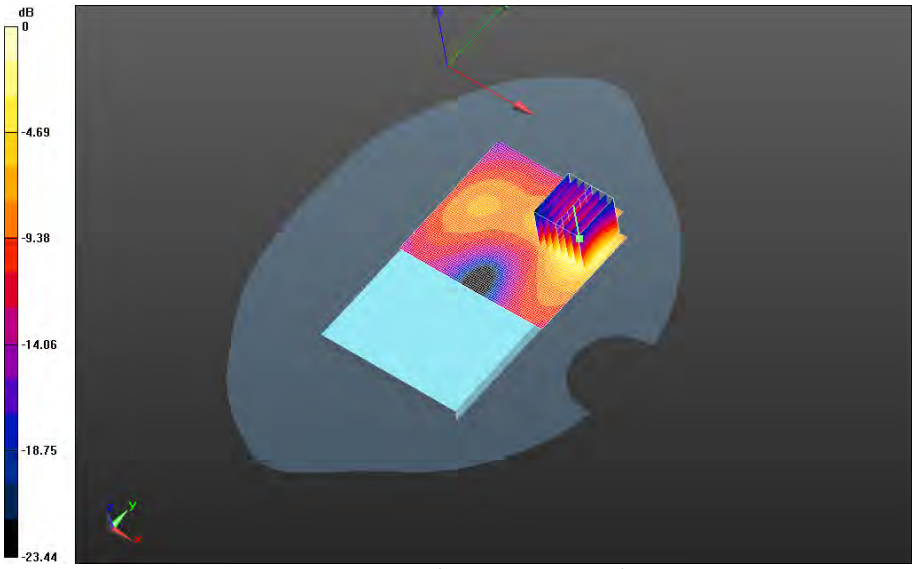
**Body Worn MSL - LTE 7/2nd Scan 15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_20.8C/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.221 V/m; **Power Drift = 0.318 dB**

**Fast SAR: SAR(1g) = 1.41 W/kg; SAR(10g) = 0.694 W/kg**
Maximum value of SAR (interpolated) = 1.84 W/kg

**Body Worn MSL - LTE 7/2nd Scan 15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_20.8C/Zoom Scan (31x31x36)/Cube 0:** Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.221 V/m; **Power Drift = 0.318 dB**

**Averaged SAR: SAR(1g) = 1.44 W/kg; SAR(10g) = 0.720 W/kg**
Maximum value of SAR (interpolated) = 2.80 W/kg




0 dB = 1.82 W/kg = 2.60 dBW/kg

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# 802.11a

Date: 4/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5220 MHz
Medium Parameters used: f=5220 MHz; $\sigma$ = 4.856 S/m; $\varepsilon_r$ = 34.304; $\rho$ = 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 5200 MHz/Touch Position - 802.11a_U-NII-1_chan44_low_band_amb_temp_23.6C_liq_temp_21.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 0.843 V/m; **Power Drift = 0.538 dB**

**Fast SAR: SAR(1g) = 0.0111 W/kg; SAR(10g) = 0.00190 W/kg**
Maximum value of SAR (interpolated) = 0.0567 W/kg

**Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-1_chan44_low_band_amb_temp_23.6C_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 = 0.843 V/m; **Power Drift = 0.538 dB**

**Averaged SAR: SAR(1g) = 0.0336 W/kg; SAR(10g) = 0.00662 W/kg**
Maximum value of SAR (interpolated) = 0.368 W/kg

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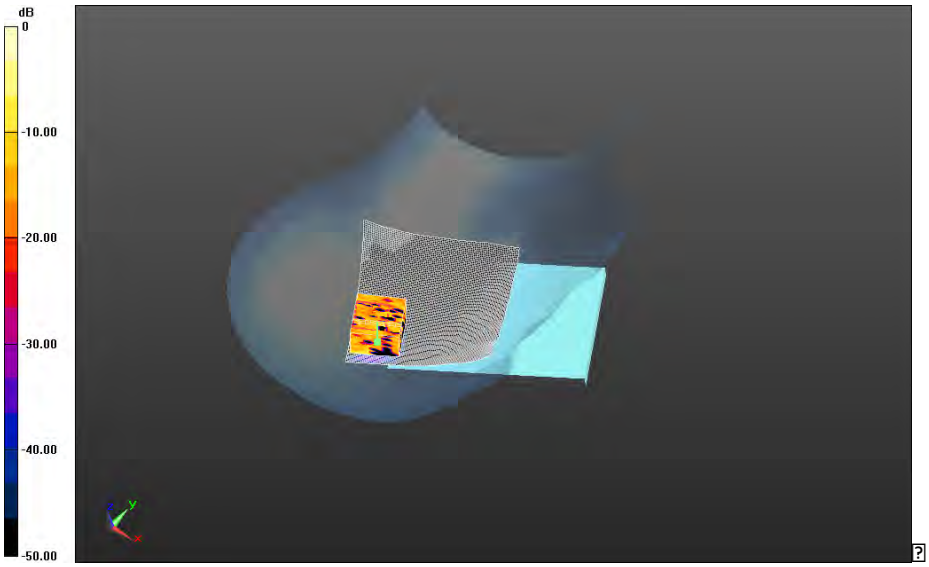


0 dB = 0.0722 W/kg = -11.41 dBW/kg

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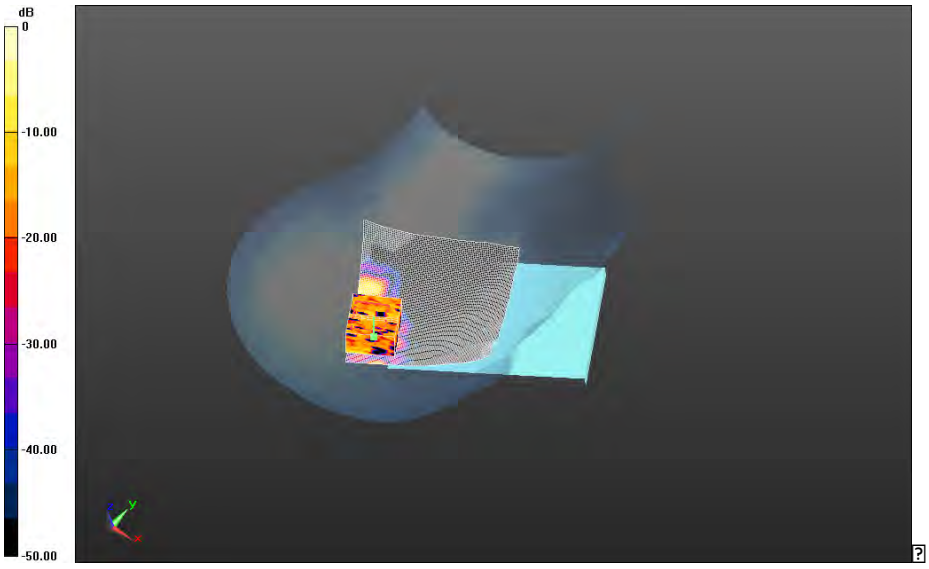
**Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-2A_chan60_low_band_amb_temp_23.6C_liq_temp_21.6C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.268 V/m; **Power Drift = 0.172 dB**

**Fast SAR: SAR(1g) = 0.0422 W/kg; SAR(10g) = 0.0127 W/kg**
Maximum value of SAR (interpolated) = 0.0951 W/kg

**Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-2A_chan60_low_band_amb_temp_23.6C_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 = 1.268 V/m; **Power Drift = 0.172 dB**

**Averaged SAR: SAR(1g) = 0.0425 W/kg; SAR(10g) = 0.0125 W/kg**
Maximum value of SAR (interpolated) = 0.383 W/kg




0 dB = 0.112 W/kg = -9.51 dBW/kg

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Date: 4/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;
Frequency: 5580 MHz
Medium Parameters used: f=5580 MHz; $\sigma$ = 5.200 S/m; $\varepsilon_r$ = 33.987; $\rho$ = 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 5500 MHz/Touch Position - 802.11a_U-NII-2C_chan116_Upper_bandI_amb_temp_23.7C_liq_temp_22.4C/Area Scan (101x151x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.962 V/m; **Power Drift = 0.100 dB**

**Fast SAR: SAR(1g) = 0.313 W/kg; SAR(10g) = 0.107 W/kg**
Maximum value of SAR (interpolated) = 0.621 W/kg

**Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_U-NII-2C_chan116_Upper_bandI_amb_temp_23.7C_liq_temp_22.4C/Zoom Scan (36x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.962 V/m; **Power Drift = 0.100 dB**

**Averaged SAR: SAR(1g) = 0.342 W/kg; SAR(10g) = 0.108 W/kg**
Maximum value of SAR (interpolated) = 1.38 W/kg

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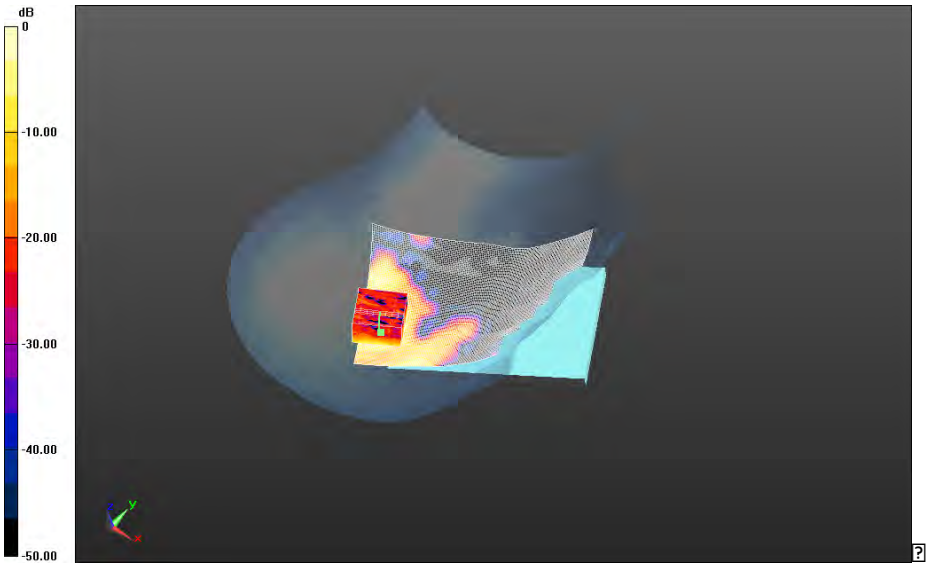


0 dB = 0.669 W/kg = -1.75 dBW/kg

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Date: 4/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 5.385 S/m; $\varepsilon_r$ = 33.668; $\rho$ = 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 5800 MHz/Touch Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.6C_liq_temp_21.6C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.007 V/m; **Power Drift = 0.332 dB**

**Fast SAR: SAR(1g) = 0.348 W/kg; SAR(10g) = 0.114 W/kg**
Maximum value of SAR (interpolated) = 0.888 W/kg

**Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.6C_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 = 3.007 V/m; **Power Drift = 0.332 dB**

**Averaged SAR: SAR(1g) = 0.345 W/kg; SAR(10g) = 0.104 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg

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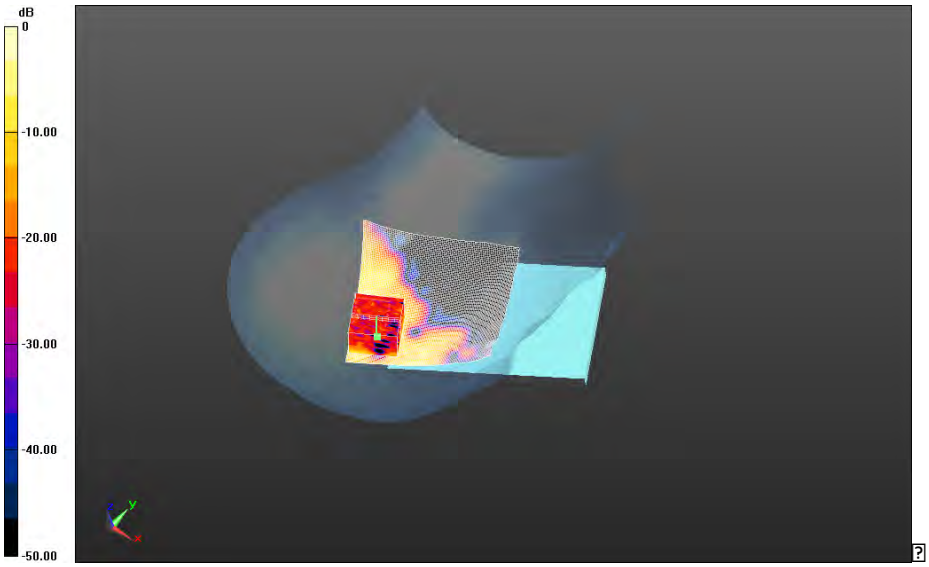


0 dB = 0.721 W/kg = -1.42 dBW/kg

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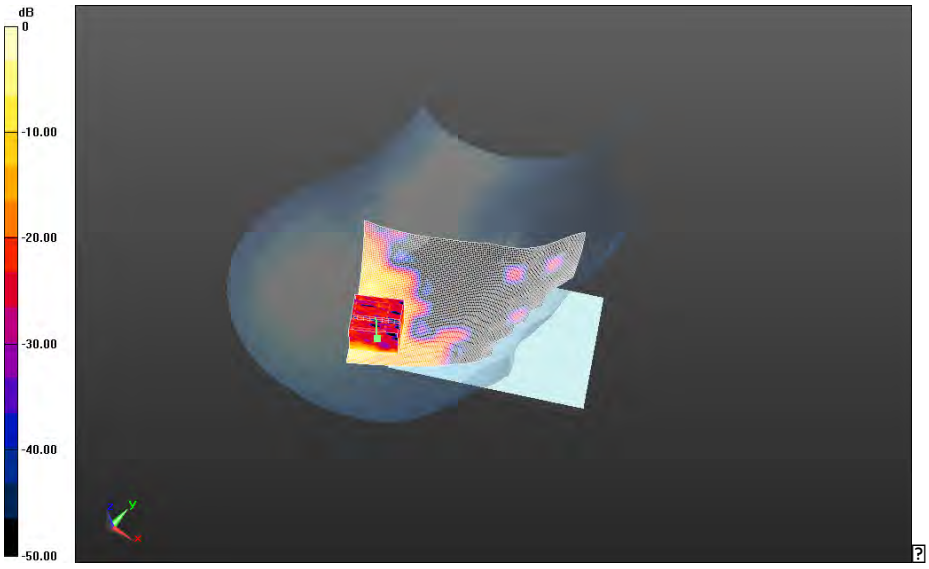
**Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.5C_liq_temp_21.6C/Area Scan (101x151x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.999 V/m; **Power Drift = 0.619 dB**

**Fast SAR: SAR(1g) = 0.421 W/kg; SAR(10g) = 0.137 W/kg**
Maximum value of SAR (interpolated) = 1.01 W/kg

**Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.5C_liq_temp_21.6C/Zoom Scan (36x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.999 V/m; **Power Drift = 0.619 dB**

**Averaged SAR: SAR(1g) = 0.479 W/kg; SAR(10g) = 0.141 W/kg**
Maximum value of SAR (interpolated) = 3.79 W/kg




0 dB = 0.984 W/kg = -0.07 dBW/kg

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Date: 5/1/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; $\sigma$ = 4.814 S/m; $\varepsilon_r$ = 34.366; $\rho$ = 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 5200 MHz/Touch Position - 802.11a_U-NII-1_chan44_low_band_amb_temp_23.7C_liq_temp_21.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.796 V/m; **Power Drift = 0.201 dB**

**Fast SAR: SAR(1g) = 0.0412 W/kg; SAR(10g) = 0.00903 W/kg**
Maximum value of SAR (interpolated) = 0.148 W/kg

**Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-1_chan44_low_band_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 = 3.796 V/m; **Power Drift = 0.201 dB**

**Averaged SAR: SAR(1g) = 0.0408 W/kg; SAR(10g) = 0.0103 W/kg**
Maximum value of SAR (interpolated) = 0.258 W/kg

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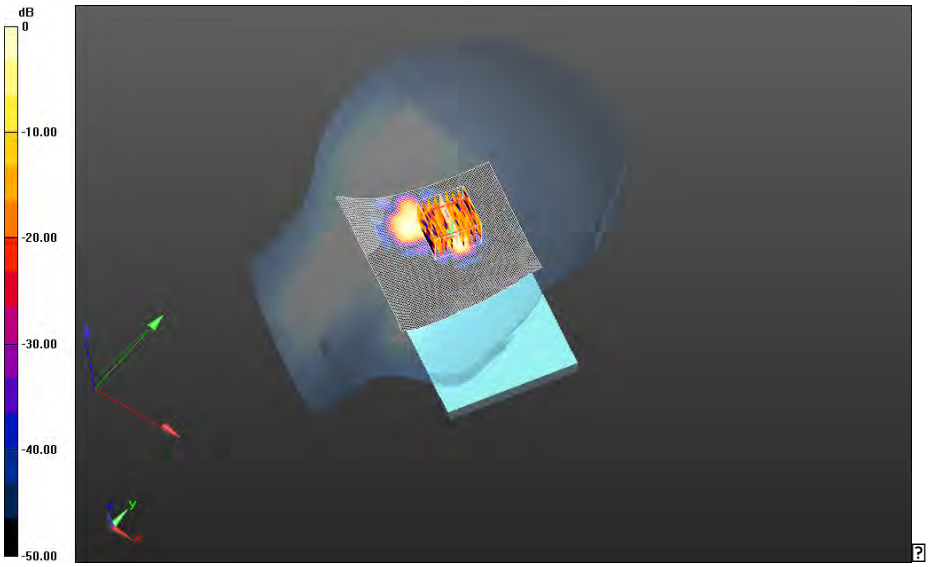


0 dB = 0.122 W/kg = -9.14 dBW/kg

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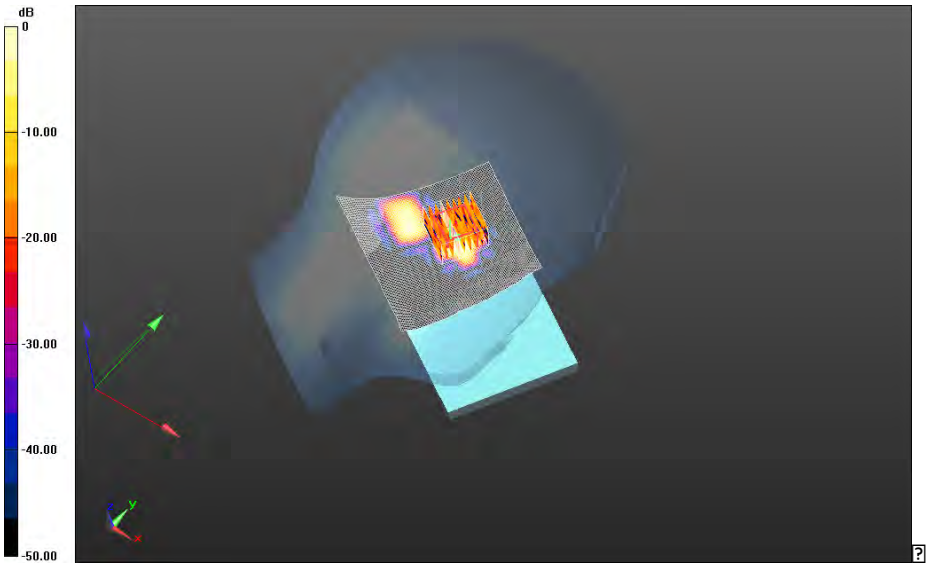
**Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-2A_chan60_low_band_amb_temp_23.8C_liq_temp_21.7C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.081 V/m; **Power Drift = -0.117 dB**

**Fast SAR: SAR(1g) = 0.0573 W/kg; SAR(10g) = 0.0124 W/kg**
Maximum value of SAR (interpolated) = 0.218 W/kg

**Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_U-NII-2A_chan60_low_band_amb_temp_23.8C_liq_temp_21.7C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.081 V/m; **Power Drift = -0.117 dB**

**Averaged SAR: SAR(1g) = 0.0692 W/kg; SAR(10g) = 0.0159 W/kg**
Maximum value of SAR (interpolated) = 0.401 W/kg




0 dB = 0.171 W/kg = -7.67 dBW/kg

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Date: 4/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;
Frequency: 5580 MHz
Medium Parameters used: f=5580 MHz; $\sigma$ = 5.200 S/m; $\varepsilon_r$ = 33.987; $\rho$ = 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 5500 MHz/Touch Position - 802.11a_U-NII-2C_chan116_Upper_bandI_amb_temp_23.9C_liq_temp_21.7C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.940 V/m; **Power Drift = 0.570 dB**

**Fast SAR: SAR(1g) = 0.258 W/kg; SAR(10g) = 0.0978 W/kg**
Maximum value of SAR (interpolated) = 0.482 W/kg

**Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_U-NII-2C_chan116_Upper_bandI_amb_temp_23.9C_liq_temp_21.7C/Zoom Scan (46x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.940 V/m; **Power Drift = 0.570 dB**

**Averaged SAR: SAR(1g) = 0.253 W/kg; SAR(10g) = 0.0922 W/kg**
Maximum value of SAR (interpolated) = 1.12 W/kg

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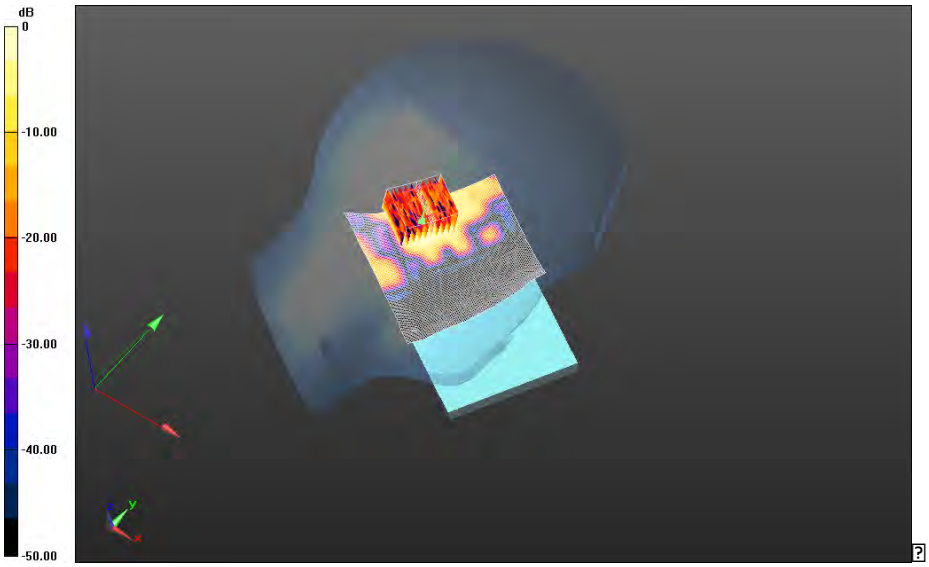


0 dB = 0.467 W/kg = -3.31 dBW/kg

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Date: 4/30/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

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

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 5.385 S/m; $\varepsilon_r$ = 33.668; $\rho$ = 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 5800 MHz/Touch Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.6C_liq_temp_21.6C/Area Scan (101x151x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 3.762 V/m; **Power Drift = 0.615 dB**

**Fast SAR: SAR(1g) = 0.303 W/kg; SAR(10g) = 0.111 W/kg**
Maximum value of SAR (interpolated) = 0.632 W/kg

**Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.6C_liq_temp_21.6C/Zoom Scan (46x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.762 V/m; **Power Drift = 0.615 dB**

**Averaged SAR: SAR(1g) = 0.320 W/kg; SAR(10g) = 0.115 W/kg**
Maximum value of SAR (interpolated) = 1.82 W/kg

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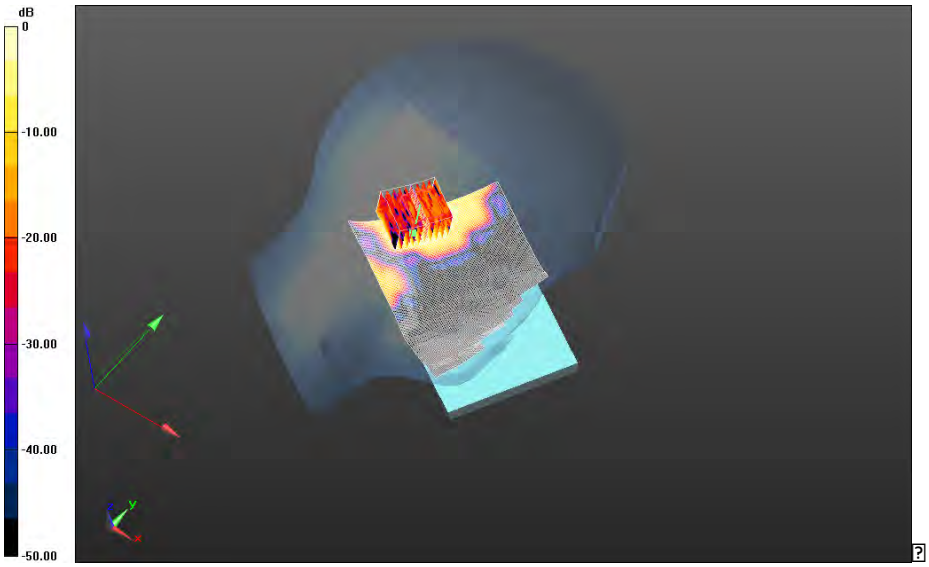


0 dB = 0.601 W/kg = -2.21 dBW/kg

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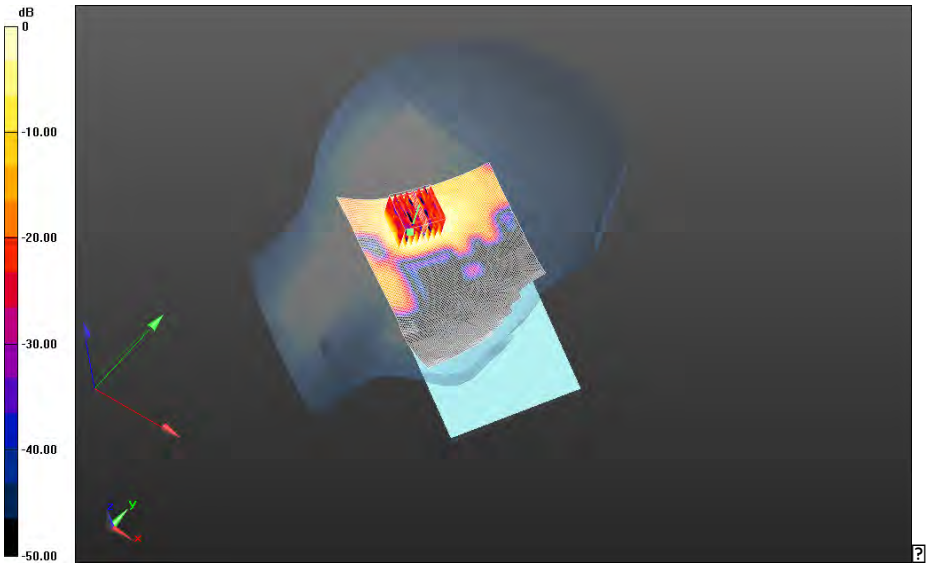
**Left-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.7C_liq_temp_21.6C/Area Scan (101x151x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 4.693 V/m; **Power Drift = 0.067 dB**

**Fast SAR: SAR(1g) = 0.378 W/kg; SAR(10g) = 0.135 W/kg**
Maximum value of SAR (interpolated) = 0.734 W/kg

**Left-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position - 802.11a_U-NII-3_chan149_Upper_bandII_amb_temp_23.7C_liq_temp_21.6C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.693 V/m; **Power Drift = 0.067 dB**

**Averaged SAR: SAR(1g) = 0.383 W/kg; SAR(10g) = 0.134 W/kg**
Maximum value of SAR (interpolated) = 1.44 W/kg




0 dB = 0.730 W/kg = -1.37 dBW/kg

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Date: 4/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

## Configuration: Mobile Hot Spot MSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: U-NII-1; Frequency: 5220 MHz
Medium Parameters used: f=5220 MHz; $\sigma$ = 5.493 S/m; $\varepsilon_r$ = 46.839; $\rho$ = 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 5200 MHz/10mm Device Back - 802.11a_U-NII-1_chan44_Amb_Temp_23.6C_Liquid_Temp_22.0C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.708 V/m; **Power Drift = 0.474 dB**

**Fast SAR: SAR(1g) = 0.174 W/kg; SAR(10g) = 0.0598 W/kg**
Maximum value of SAR (interpolated) = 0.365 W/kg

**Mobile Hot Spot MSL - 802.11a 5200 MHz/10mm Device Back - 802.11a_U-NII-1_chan44_Amb_Temp_23.6C_Liquid_Temp_22.0C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.708 V/m; **Power Drift = 0.474 dB**

**Averaged SAR: SAR(1g) = 0.201 W/kg; SAR(10g) = 0.0642 W/kg**
Maximum value of SAR (interpolated) = 1.22 W/kg

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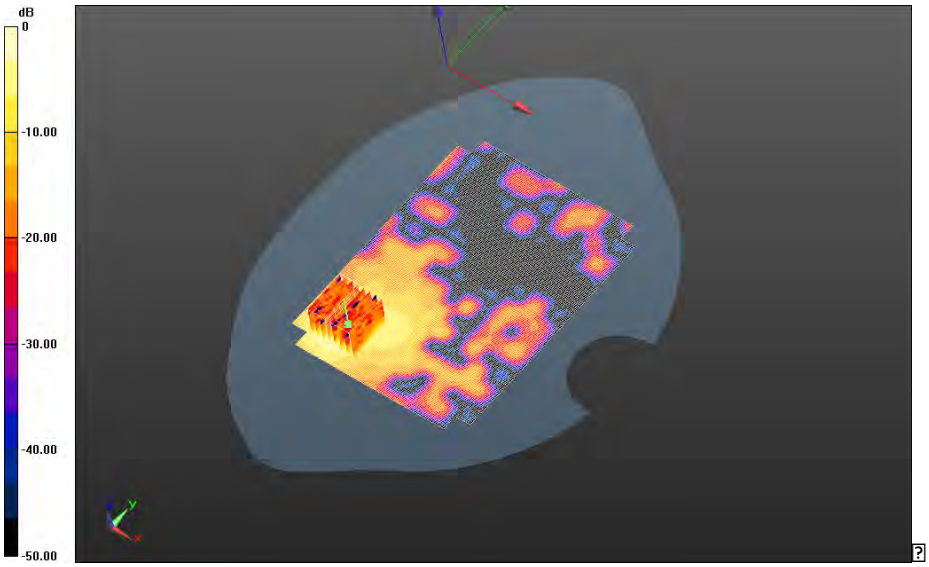


0 dB = 0.385 W/kg = -4.15 dBW/kg

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Date: 4/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160701958**

## Configuration: Mobile Hot Spot MSL - 802.11a 5800 MHz

Communication System: 802.11a; Communication System Band: U-NII_3; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 6.029 S/m; $\varepsilon_r$ = 45.959; $\rho$ = 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 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_23.7C_Liquid_Temp_21.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.243 V/m; **Power Drift = 0.501 dB**

**Fast SAR: SAR(1g) = 1.02 W/kg; SAR(10g) = 0.336 W/kg**
Maximum value of SAR (interpolated) = 2.17 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_23.7C_Liquid_Temp_21.8C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.243 V/m; **Power Drift = 0.501 dB**

**Averaged SAR: SAR(1g) = 1.05 W/kg; SAR(10g) = 0.344 W/kg**
Maximum value of SAR (interpolated) = 4.27 W/kg

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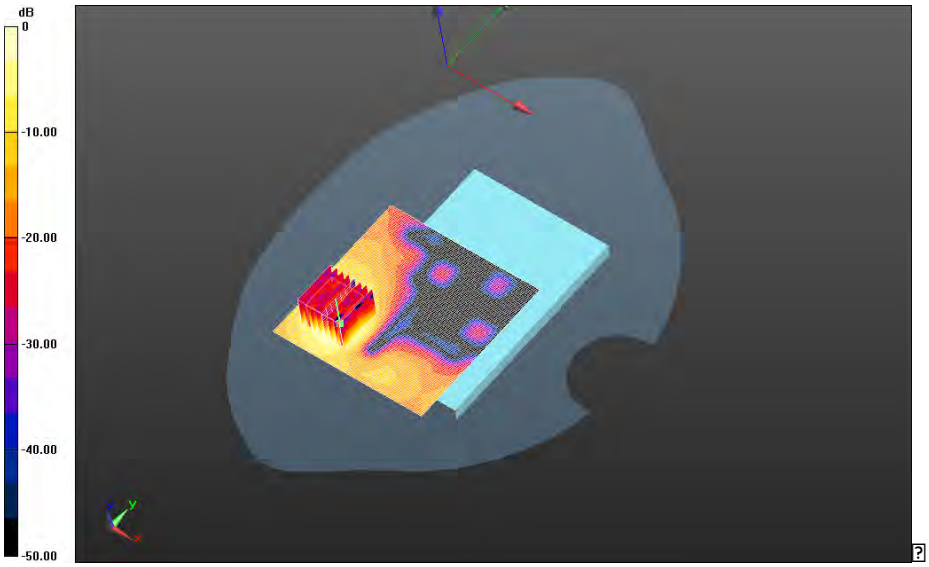


0 dB = 2.06 W/kg = 3.14 dBW/kg

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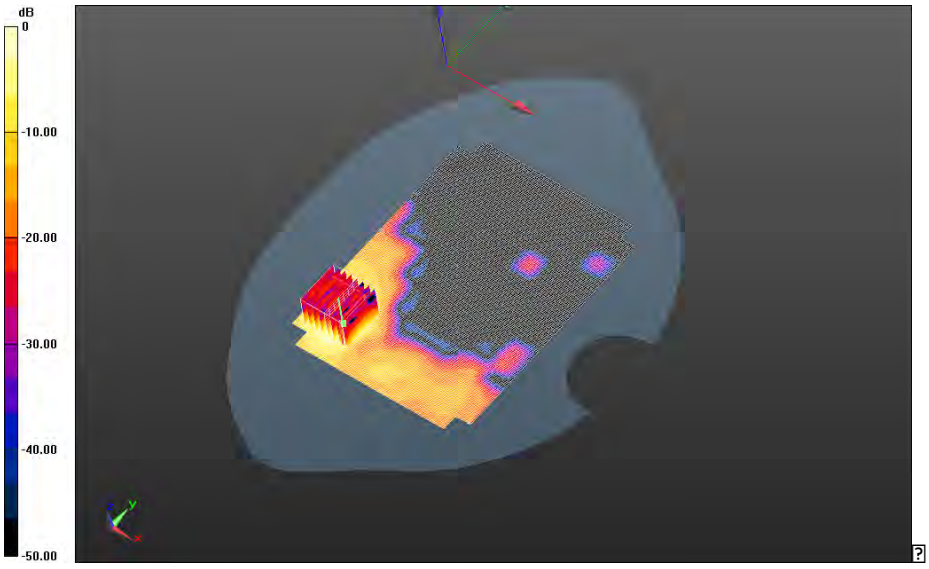
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan153_Amb_Temp_23.6C_Liquid_Temp_21.7C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.516 V/m; **Power Drift = 0.070 dB**

**Fast SAR: SAR(1g) = 0.911 W/kg; SAR(10g) = 0.298 W/kg**
Maximum value of SAR (interpolated) = 1.92 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan153_Amb_Temp_23.6C_Liquid_Temp_21.7C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.516 V/m; **Power Drift = 0.070 dB**

**Averaged SAR: SAR(1g) = 0.964 W/kg; SAR(10g) = 0.312 W/kg**
Maximum value of SAR (interpolated) = 4.15 W/kg




0 dB = 1.93 W/kg = 2.86 dBW/kg

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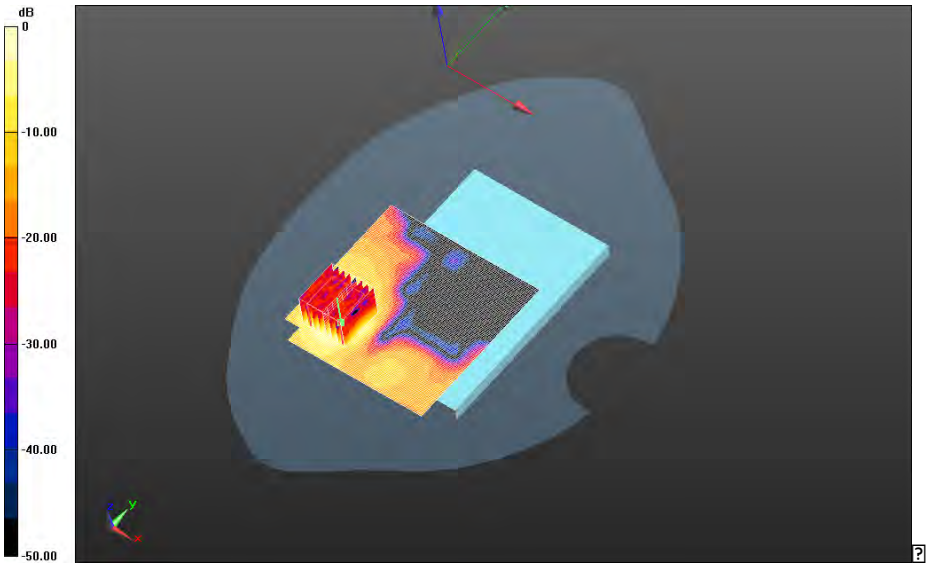
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan157_Amb_Temp_23.7C_Liquid_Temp_21.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.607 V/m; **Power Drift = 0.074 dB**

**Fast SAR: SAR(1g) = 0.737 W/kg; SAR(10g) = 0.248 W/kg**
Maximum value of SAR (interpolated) = 1.56 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan157_Amb_Temp_23.7C_Liquid_Temp_21.8C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.607 V/m; **Power Drift = 0.074 dB**

**Averaged SAR: SAR(1g) = 0.771 W/kg; SAR(10g) = 0.259 W/kg**
Maximum value of SAR (interpolated) = 3.12 W/kg




0 dB = 1.48 W/kg = 1.70 dBW/kg

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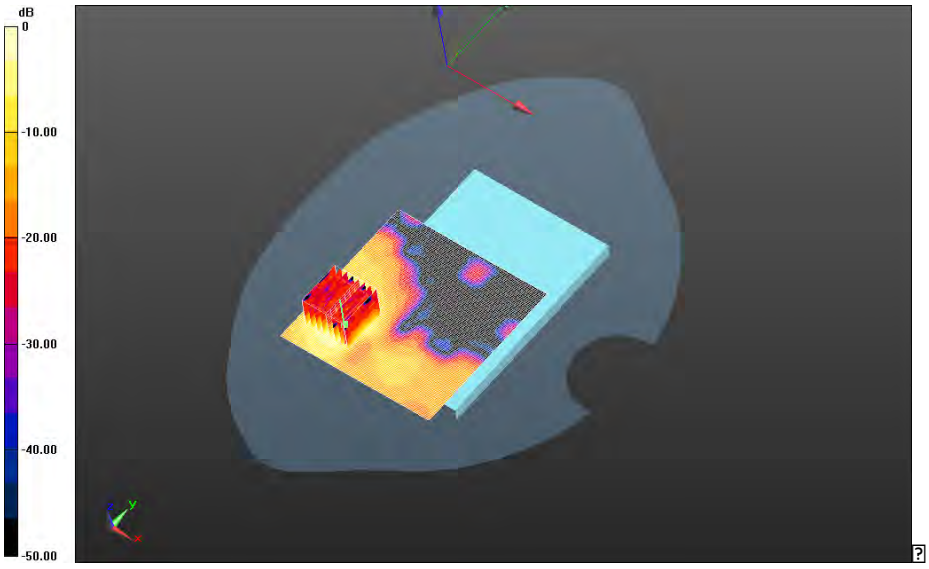
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan165_upper_Amb_Temp_23.8C_Liquid_Temp_21.9C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.317 V/m; **Power Drift = 0.354 dB**

**Fast SAR: SAR(1g) = 0.609 W/kg; SAR(10g) = 0.201 W/kg**
Maximum value of SAR (interpolated) = 1.29 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_U-NII-3_chan165_upper_Amb_Temp_23.8C_Liquid_Temp_21.9C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.317 V/m; **Power Drift = 0.354 dB**

**Averaged SAR: SAR(1g) = 0.638 W/kg; SAR(10g) = 0.209 W/kg**
Maximum value of SAR (interpolated) = 2.65 W/kg




0 dB = 1.27 W/kg = 1.04 dBW/kg

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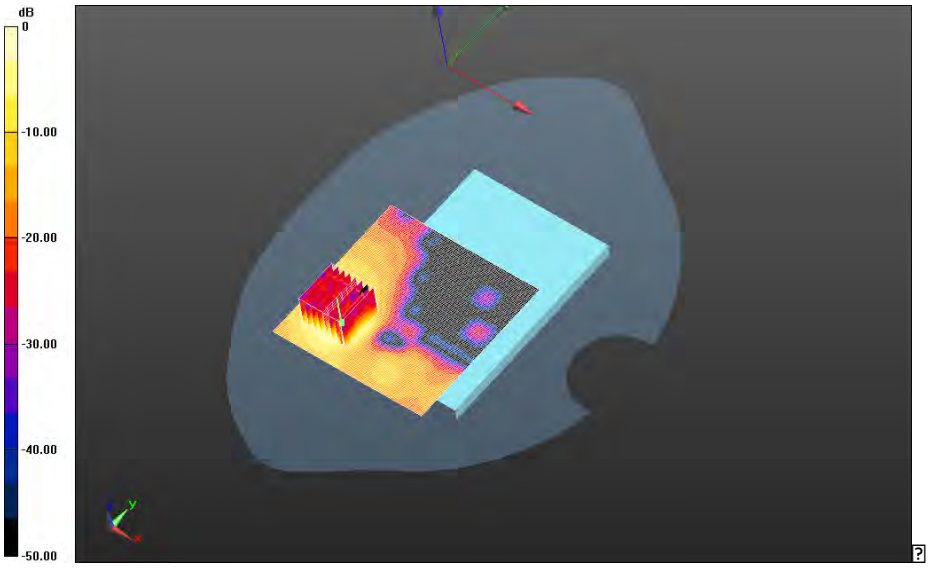
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11n_40MHz BW_U-NII-3_chan149_Amb_Temp_23.7C_Liquid_Temp_21.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.342 V/m; **Power Drift = 0.097 dB**

**Fast SAR: SAR(1g) = 1.00 W/kg; SAR(10g) = 0.326 W/kg**
Maximum value of SAR (interpolated) = 2.17 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11n_40MHz BW_U-NII-3_chan149_Amb_Temp_23.7C_Liquid_Temp_21.8C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.342 V/m; **Power Drift = 0.097 dB**

**Averaged SAR: SAR(1g) = 1.02 W/kg; SAR(10g) = 0.334 W/kg**
Maximum value of SAR (interpolated) = 4.16 W/kg




0 dB = 2.04 W/kg = 3.10 dBW/kg

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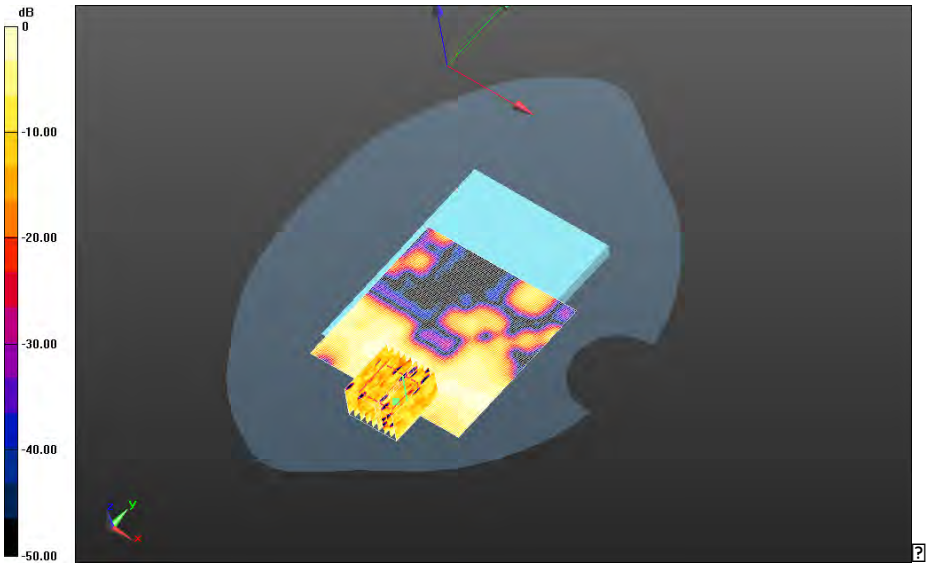
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Front - 802.11a_U-NII-3_chan149_Amb_Temp_23.9C_Liquid_Temp_21.8C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.376 V/m; **Power Drift = -0.132 dB**

**Fast SAR: SAR(1g) = 0.0277 W/kg; SAR(10g) = 0.0103 W/kg**
Maximum value of SAR (interpolated) = 0.0608 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Front - 802.11a_U-NII-3_chan149_Amb_Temp_23.9C_Liquid_Temp_21.8C/Zoom Scan (41x46x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.376 V/m; **Power Drift = -0.132 dB**

**Averaged SAR: SAR(1g) = 0.0361 W/kg; SAR(10g) = 0.0136 W/kg**
Maximum value of SAR (interpolated) = 0.436 W/kg




0 dB = 0.0659 W/kg = -11.81 dBW/kg

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**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Left - 802.11a_U-NII-3_chan149_Amb_Temp_22.9C_Liquid_Temp_21.7C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.195 V/m; **Power Drift = -0.037 dB**

**Fast SAR: SAR(1g) = 0.257 W/kg; SAR(10g) = 0.102 W/kg**
Maximum value of SAR (interpolated) = 0.482 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Left - 802.11a_U-NII-3_chan149_Amb_Temp_22.9C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.195 V/m; **Power Drift = -0.037 dB**

**Averaged SAR: SAR(1g) = 0.252 W/kg; SAR(10g) = 0.109 W/kg**
Maximum value of SAR (interpolated) = 0.973 W/kg

0 dB = 0.453 W/kg = -3.44 dBW/kg

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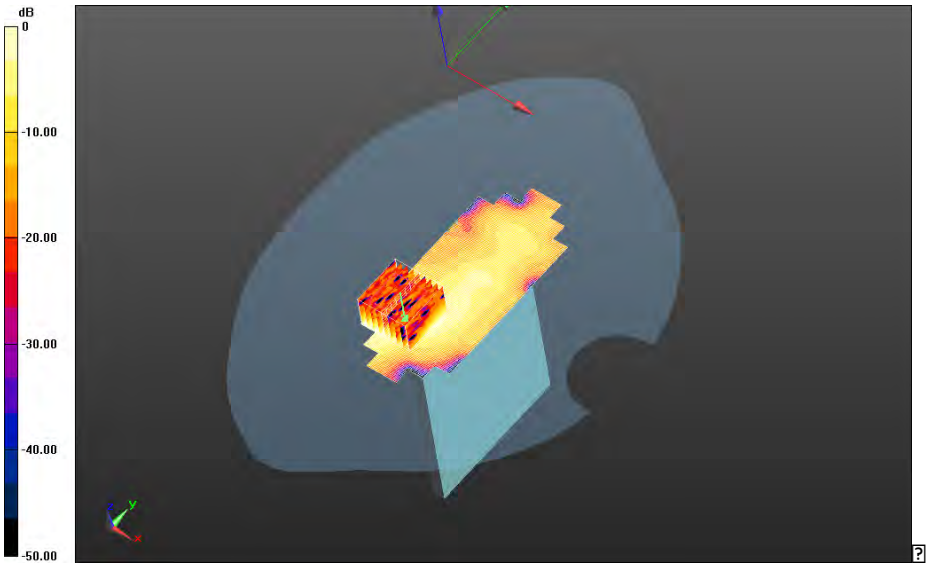
**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Top - 802.11a_chan149_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_21.7C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 5.070 V/m; **Power Drift = 0.277 dB**

**Fast SAR: SAR(1g) = 0.264 W/kg; SAR(10g) = 0.101 W/kg**
Maximum value of SAR (interpolated) = 0.521 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Top - 802.11a_chan149_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 5.070 V/m; **Power Drift = 0.277 dB**

**Averaged SAR: SAR(1g) = 0.267 W/kg; SAR(10g) = 0.0996 W/kg**
Maximum value of SAR (interpolated) = 1.18 W/kg




0 dB = 0.496 W/kg = -3.05 dBW/kg

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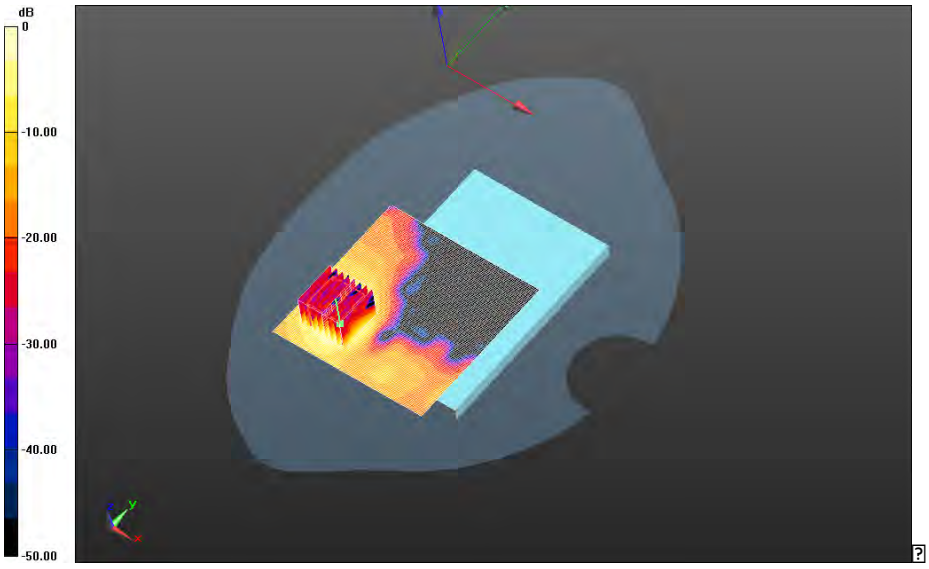
**Mobile Hot Spot MSL - 802.11a 5800 MHz/2nd Scan 10mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_23.6C_Liquid_Temp_21.9C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.413 V/m; **Power Drift = 0.019 dB**

**Fast SAR: SAR(1g) = 1.01 W/kg; SAR(10g) = 0.331 W/kg**
Maximum value of SAR (interpolated) = 2.17 W/kg

**Mobile Hot Spot MSL - 802.11a 5800 MHz/2nd Scan 10mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_23.6C_Liquid_Temp_21.9C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.413 V/m; **Power Drift = 0.019 dB**

**Averaged SAR: SAR(1g) = 1.03 W/kg; SAR(10g) = 0.336 W/kg**
Maximum value of SAR (interpolated) = 4.34 W/kg




0 dB = 2.07 W/kg = 3.16 dBW/kg

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Date: 4/28/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; $\sigma$ = 5.443 S/m; $\varepsilon_r$ = 46.930; $\rho$ = 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 5200 MHz/15mm Device Back - 802.11a_U-NII-1_chan44_low_band_Amb_Temp_23.6C_Liquid_Temp_21.4C/Area Scan (101x101x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.649 V/m; **Power Drift = -0.109 dB**

**Fast SAR: SAR(1g) = 0.124 W/kg; SAR(10g) = 0.0475 W/kg**
Maximum value of SAR (interpolated) = 0.237 W/kg

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_U-NII-1_chan44_low_band_Amb_Temp_23.6C_Liquid_Temp_21.4C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.649 V/m; **Power Drift = -0.109 dB**

**Averaged SAR: SAR(1g) = 0.126 W/kg; SAR(10g) = 0.0472 W/kg**
Maximum value of SAR (interpolated) = 0.476 W/kg

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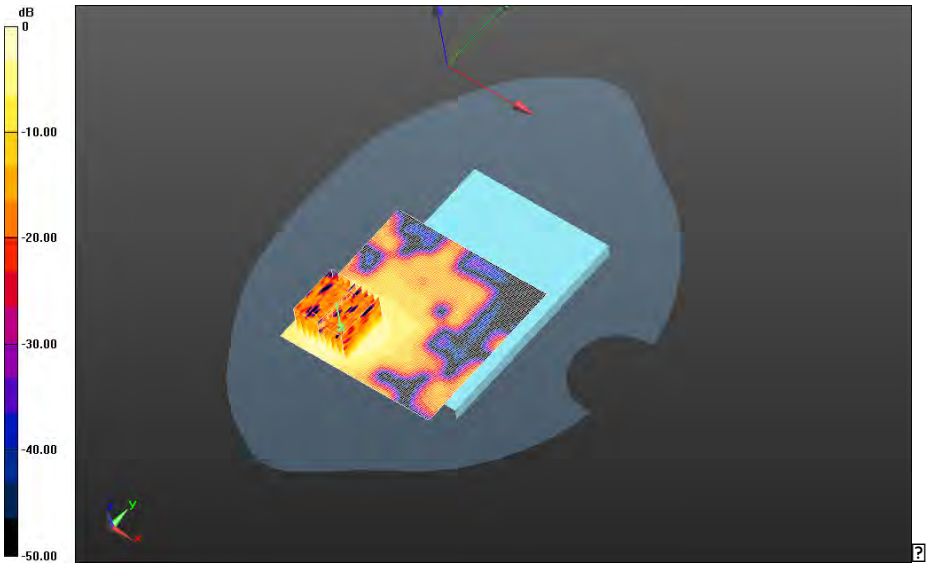


0 dB = 0.231 W/kg = -6.36 dBW/kg

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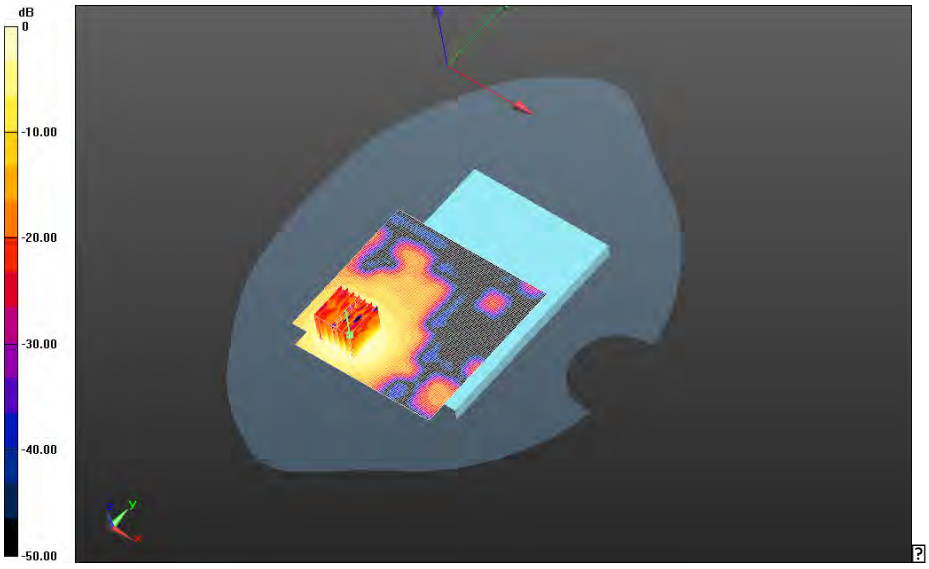
**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_U-NII-2A_chan60_Amb_Temp_23.7C_Liquid_Temp_21.4C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.556 V/m; **Power Drift = 0.523 dB**

**Fast SAR: SAR(1g) = 0.346 W/kg; SAR(10g) = 0.128 W/kg**
Maximum value of SAR (interpolated) = 0.663 W/kg

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_U-NII-2A_chan60_Amb_Temp_23.7C_Liquid_Temp_21.4C/Zoom Scan (31x31x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.556 V/m; **Power Drift = 0.523 dB**

**Averaged SAR: SAR(1g) = 0.354 W/kg; SAR(10g) = 0.132 W/kg**
Maximum value of SAR (interpolated) = 1.34 W/kg




0 dB = 0.649 W/kg = -1.88 dBW/kg

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Date: 4/29/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Body Worn MSL - 802.11a 5500 MHz

Communication System: 802.11a; Communication System Band: U-NII-2C; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; $\sigma$ = 5.803 S/m; $\varepsilon_r$ = 46.287; $\rho$ = 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 5500 MHz/15mm Device Back - 802.11a_U-NII-2C_chan104_Amb_Temp_23.6C_Liquid_Temp_21.5C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.027 V/m; **Power Drift = -0.189 dB**

**Fast SAR: SAR(1g) = 0.703 W/kg; SAR(10g) = 0.271 W/kg**
Maximum value of SAR (interpolated) = 1.34 W/kg

**Body Worn MSL - 802.11a 5500 MHz/15mm Device Back - 802.11a_U-NII-2C_chan104_Amb_Temp_23.6C_Liquid_Temp_21.5C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.027 V/m; **Power Drift = -0.189 dB**

**Averaged SAR: SAR(1g) = 0.732 W/kg; SAR(10g) = 0.283 W/kg**
Maximum value of SAR (interpolated) = 2.72 W/kg

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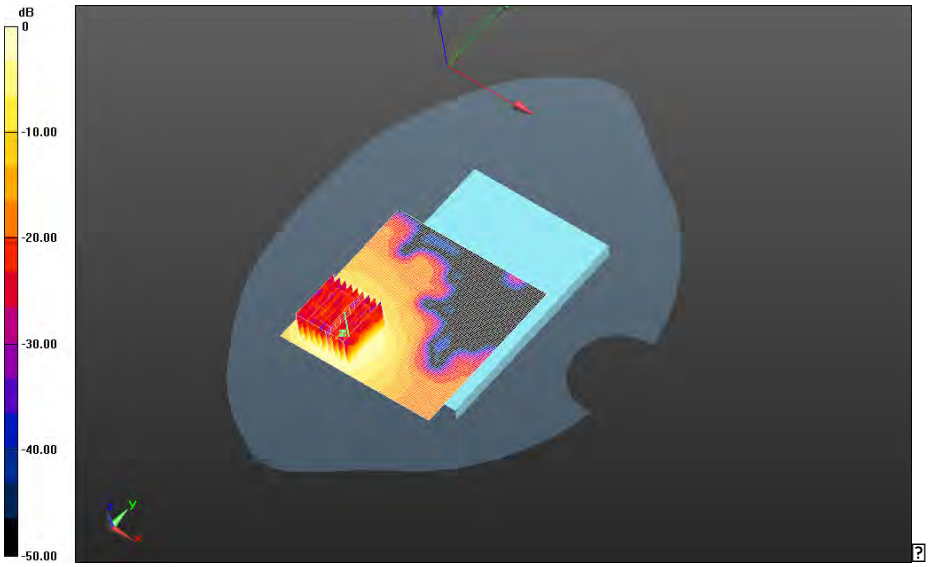


0 dB = 1.32 W/kg = 1.21 dBW/kg

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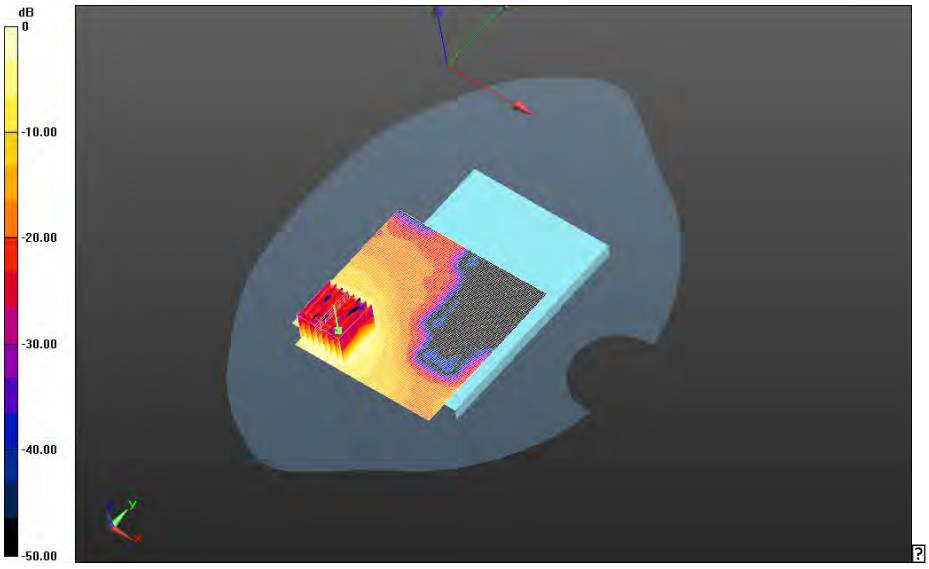
**Body Worn MSL - 802.11a 5500 MHz/15mm Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.3C_Liquid_Temp_21.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.728 V/m; **Power Drift = 0.200 dB**

**Fast SAR: SAR(1g) = 0.865 W/kg; SAR(10g) = 0.325 W/kg**
Maximum value of SAR (interpolated) = 1.67 W/kg

**Body Worn MSL - 802.11a 5500 MHz/15mm Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.3C_Liquid_Temp_21.6C/Zoom Scan (36x36x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.728 V/m; **Power Drift = 0.200 dB**

**Averaged SAR: SAR(1g) = 0.914 W/kg; SAR(10g) = 0.344 W/kg**
Maximum value of SAR (interpolated) = 3.47 W/kg




0 dB = 1.69 W/kg = 2.28 dBW/kg

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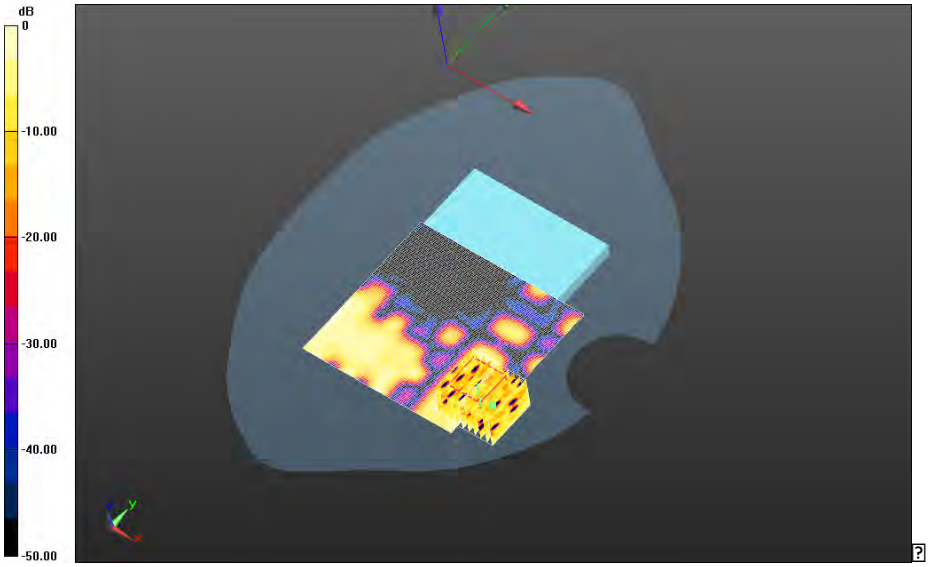
**Body Worn MSL - 802.11a 5500 MHz/15mm Device Front - 802.11a_U-NII-2C_chan116_Amb_Temp_23.4C_Liquid_Temp_21.5C/Area Scan (111x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.403 V/m; **Power Drift = 0.204 dB**

**Fast SAR: SAR(1g) = 0.0300 W/kg; SAR(10g) = 0.0110 W/kg**
Maximum value of SAR (interpolated) = 0.0669 W/kg

Body Worn MSL - 802.11a 5500 MHz/15mm Device Front - 802.11a_U-NII-2C_chan116_Amb_Temp_23.4C_Liquid_Temp_21.5C/Zoom Scan (46x41x61)/Cube 0:
**Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**
Reference Value = 1.403 V/m; **Power Drift = 0.204 dB**

**Averaged SAR: SAR(1g) = 0.0259 W/kg; SAR(10g) = 0.0111 W/kg**
Maximum value of SAR (interpolated) = 0.108 W/kg




0 dB = 0.0486 W/kg = -13.13 dBW/kg

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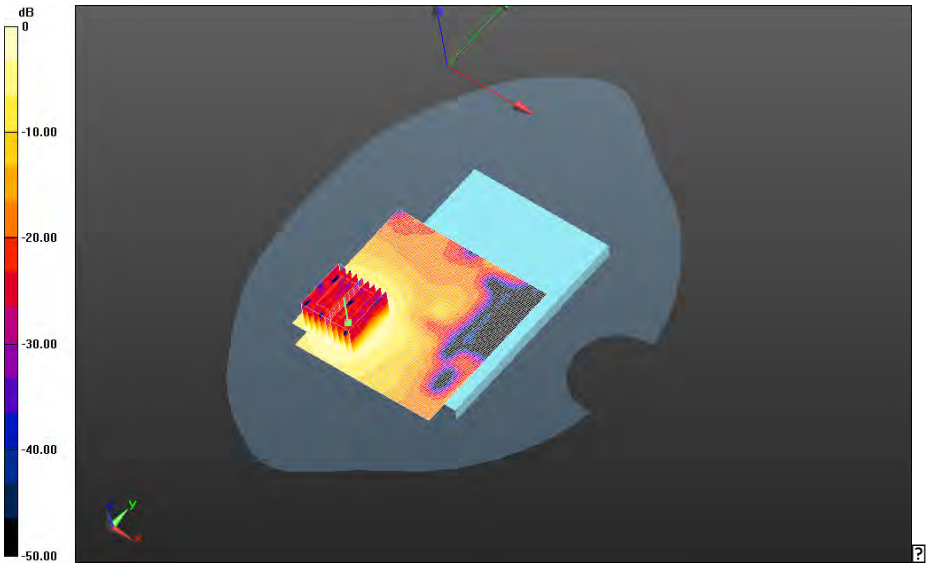
**Body Worn MSL - 802.11a 5500 MHz/Holster Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.6C_Liquid_Temp_21.6C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.711 V/m; **Power Drift = 0.536 dB**

**Fast SAR: SAR(1g) = 0.888 W/kg; SAR(10g) = 0.363 W/kg**
Maximum value of SAR (interpolated) = 1.67 W/kg

**Body Worn MSL - 802.11a 5500 MHz/Holster Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.6C_Liquid_Temp_21.6C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.711 V/m; **Power Drift = 0.536 dB**

**Averaged SAR: SAR(1g) = 0.907 W/kg; SAR(10g) = 0.371 W/kg**
Maximum value of SAR (interpolated) = 3.50 W/kg




0 dB = 1.67 W/kg = 2.23 dBW/kg

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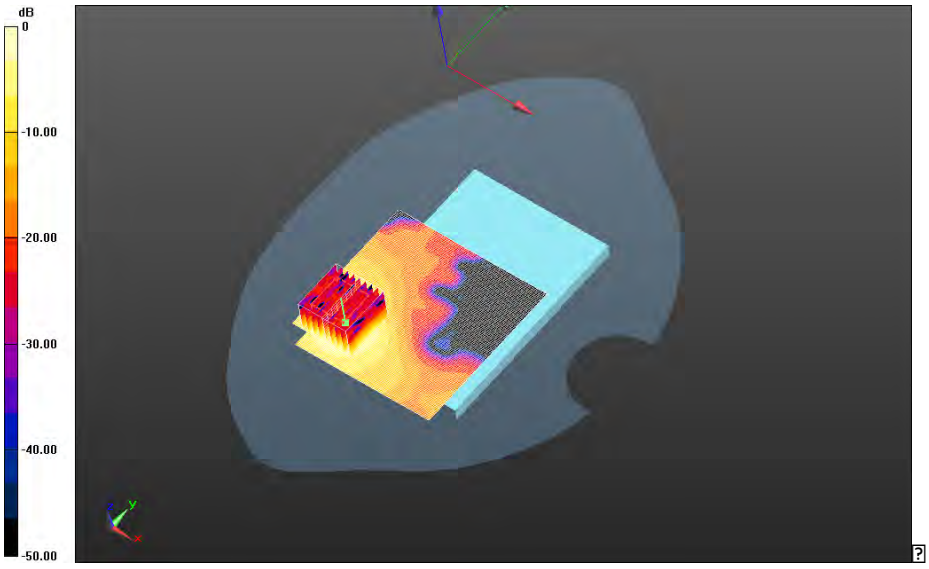
**Body Worn MSL - 802.11a 5500 MHz/2nd Scan 15mm Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.6C_Liquid_Temp_21.7C/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.176 V/m; **Power Drift = 4.168 dB**

**Fast SAR: SAR(1g) = 0.882 W/kg; SAR(10g) = 0.326 W/kg**
Maximum value of SAR (interpolated) = 1.74 W/kg

**Body Worn MSL - 802.11a 5500 MHz/2nd Scan 15mm Device Back - 802.11a_U-NII-2C_chan116_Amb_Temp_23.6C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.176 V/m; **Power Drift = 4.168 dB**

**Averaged SAR: SAR(1g) = 0.910 W/kg; SAR(10g) = 0.339 W/kg**
Maximum value of SAR (interpolated) = 3.56 W/kg




0 dB = 1.69 W/kg = 2.28 dBW/kg

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Date: 4/28/2015

Test Lab: BlackBerry RTS
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730**

## Configuration: Body Worn MSL - 802.11a 5800 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; $\sigma$ = 6.029 S/m; $\varepsilon_r$ = 45.959; $\rho$ = 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 5800 MHz/15mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_24.0C_Liquid_Temp_21.5C/Area Scan (181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 1.710 V/m; **Power Drift = 0.477 dB**

**Fast SAR: SAR(1g) = 0.595 W/kg; SAR(10g) = 0.222 W/kg**
Maximum value of SAR (interpolated) = 1.15 W/kg

**Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_U-NII-3_chan149_Amb_Temp_24.0C_Liquid_Temp_21.5C/Zoom Scan (31x31x61)/Cube 0:**
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.710 V/m; **Power Drift = 0.477 dB**

**Averaged SAR: SAR(1g) = 0.618 W/kg; SAR(10g) = 0.233 W/kg**
Maximum value of SAR (interpolated) = 2.40 W/kg

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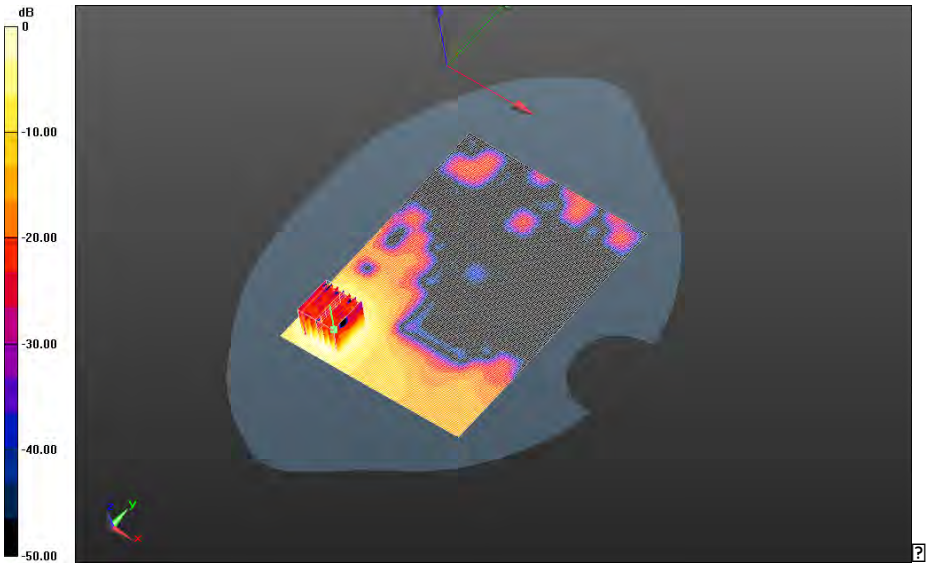


0 dB = 1.18 W/kg = 0.72 dBW/kg

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