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APPENDIX C1: SAR DISTRIBUTION PLOTS FOR HOTSPOT CONFIGURATION

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Device Model: RHC161LW

GSM 850

Date: 2/24/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Mobile Hot Spot MSL - GPRS 850

Communication System: GPRS 850 (3 slots) (0); Communication System Band: GPRS 850 (3 slots); Frequency: 824.2 MHz

Medium Parameters used: $f=825$ MHz; $\sigma = 0.956$ S/m; $\epsilon_r = 52.831$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (6.24,6.24,6.24); Calibrated: 3/10/2014;
- 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 - GPRS 850/10mm Device Back - GPRS 850_3-

Slot_chan128_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x61x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 31.472 V/m; **Power Drift = -0.083 dB**

Fast SAR: SAR(1g) = 0.832 W/kg; SAR(10g) = 0.587 W/kg

Maximum value of SAR (interpolated) = 0.876 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-

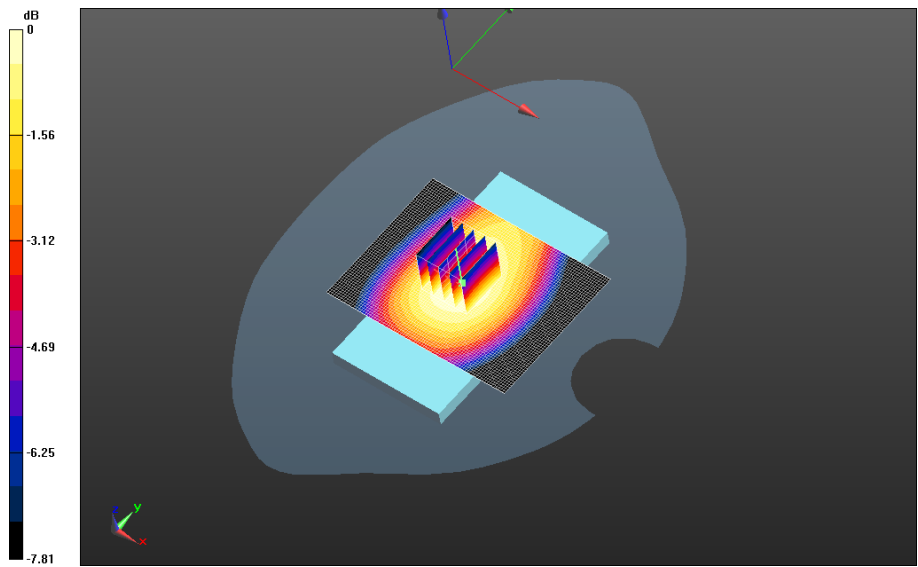
Slot_chan128_amb_temp_23.8C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 31.472 V/m; **Power Drift = -0.083 dB**

Averaged SAR: SAR(1g) = 0.835 W/kg; SAR(10g) = 0.643 W/kg

Maximum value of SAR (interpolated) = 1.01 W/kg



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

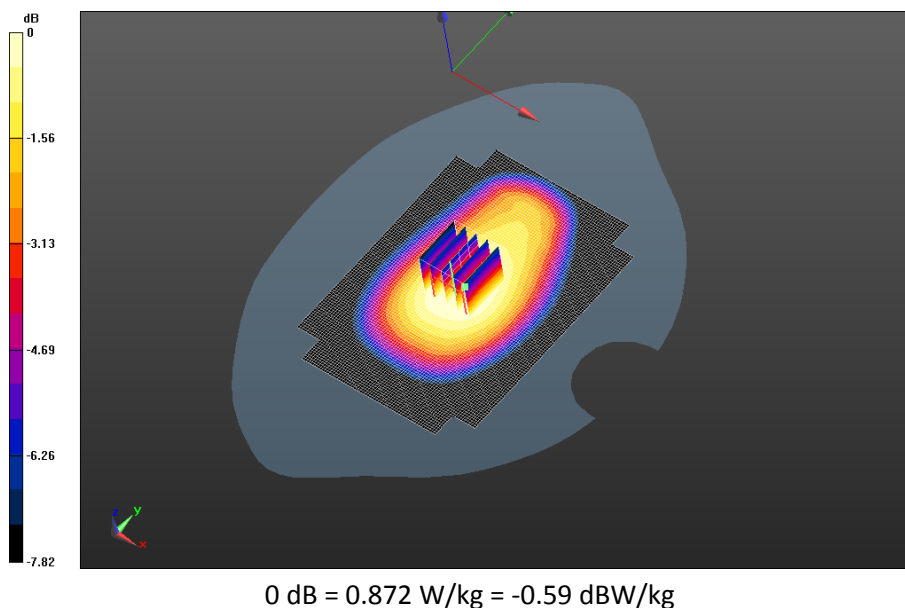
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Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 32.226 V/m; **Power Drift = -0.180 dB**

Fast SAR: SAR(1g) = 0.859 W/kg; SAR(10g) = 0.604 W/kg
Maximum value of SAR (interpolated) = 0.908 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 32.226 V/m; **Power Drift = -0.180 dB**

Averaged SAR: SAR(1g) = 0.835 W/kg; SAR(10g) = 0.642 W/kg
Maximum value of SAR (interpolated) = 1.01 W/kg



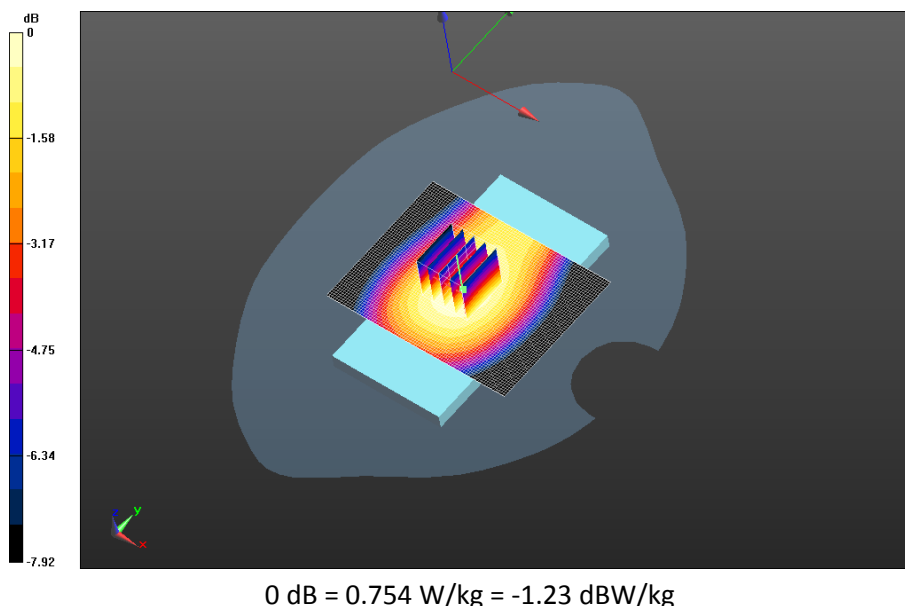
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Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan251_amb_temp_23.9C_liq_temp_20.9C/Area Scan (121x61x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 28.494 V/m; **Power Drift = -0.062 dB**

Fast SAR: SAR(1g) = 0.713 W/kg; SAR(10g) = 0.501 W/kg
Maximum value of SAR (interpolated) = 0.753 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan251_amb_temp_23.9C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 28.494 V/m; **Power Drift = -0.062 dB**

Averaged SAR: SAR(1g) = 0.718 W/kg; SAR(10g) = 0.550 W/kg
Maximum value of SAR (interpolated) = 0.881 W/kg



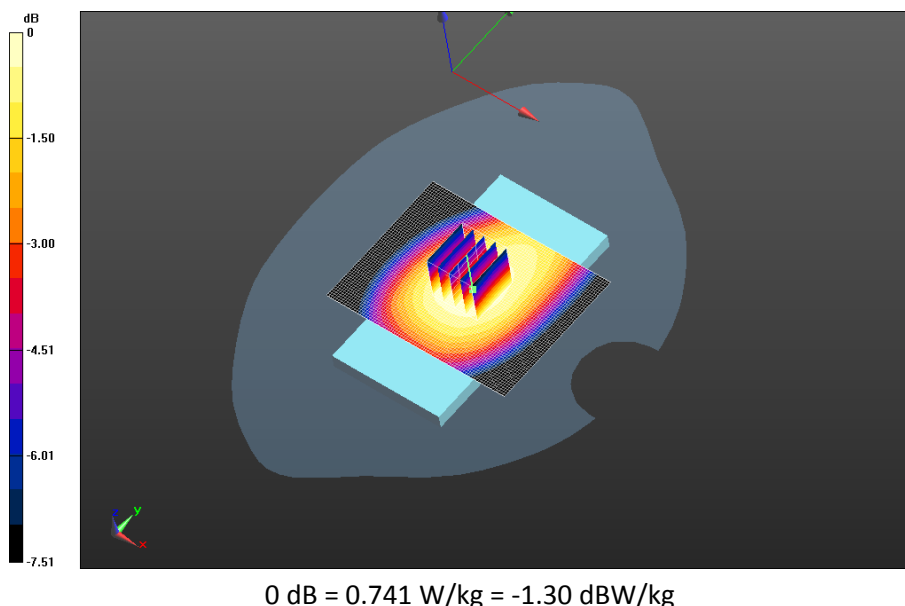
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 6(67)
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Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS 850_3-Slot_chan128_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x61x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 28.924 V/m; **Power Drift = -0.011 dB**

Fast SAR: SAR(1g) = 0.700 W/kg; SAR(10g) = 0.498 W/kg
Maximum value of SAR (interpolated) = 0.738 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS 850_3-Slot_chan128_amb_temp_23.8C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 28.924 V/m; **Power Drift = -0.011 dB**

Averaged SAR: SAR(1g) = 0.705 W/kg; SAR(10g) = 0.548 W/kg
Maximum value of SAR (interpolated) = 0.864 W/kg



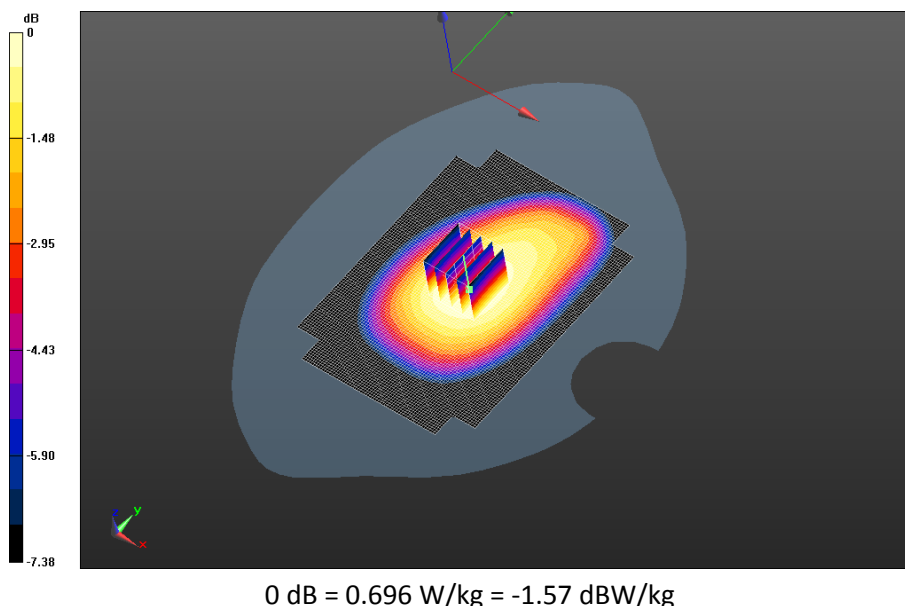
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Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 28.072 V/m; **Power Drift = -0.046 dB**

Fast SAR: SAR(1g) = 0.662 W/kg; SAR(10g) = 0.470 W/kg
Maximum value of SAR (interpolated) = 0.697 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 28.072 V/m; **Power Drift = -0.046 dB**

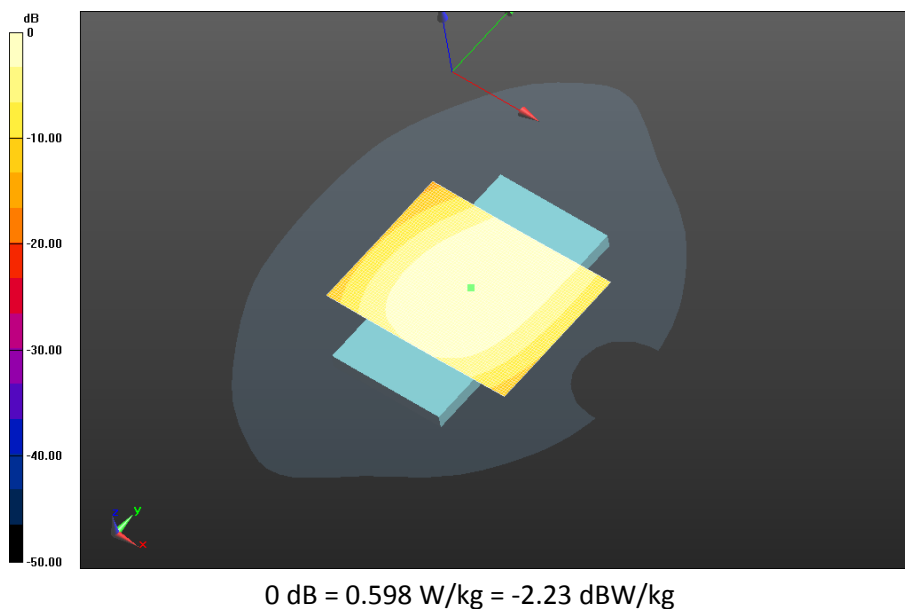
Averaged SAR: SAR(1g) = 0.667 W/kg; SAR(10g) = 0.518 W/kg
Maximum value of SAR (interpolated) = 0.813 W/kg



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Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS 850_3-Slot_chan251_amb_temp_23.9C_liq_temp_20.9C/Area Scan (121x61x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 25.820 V/m; **Power Drift = -0.097 dB**

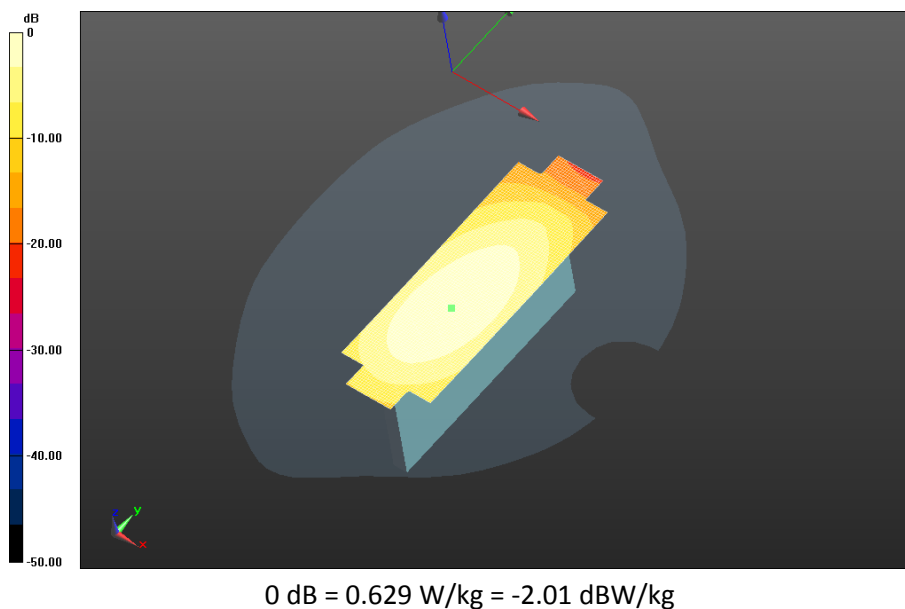
Fast SAR: SAR(1g) = 0.567 W/kg; SAR(10g) = 0.403 W/kg
Maximum value of SAR (interpolated) = 0.598 W/kg



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Mobile Hot Spot MSL - GPRS 850/10mm Device Left - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 25.925 V/m; **Power Drift = -0.135 dB**

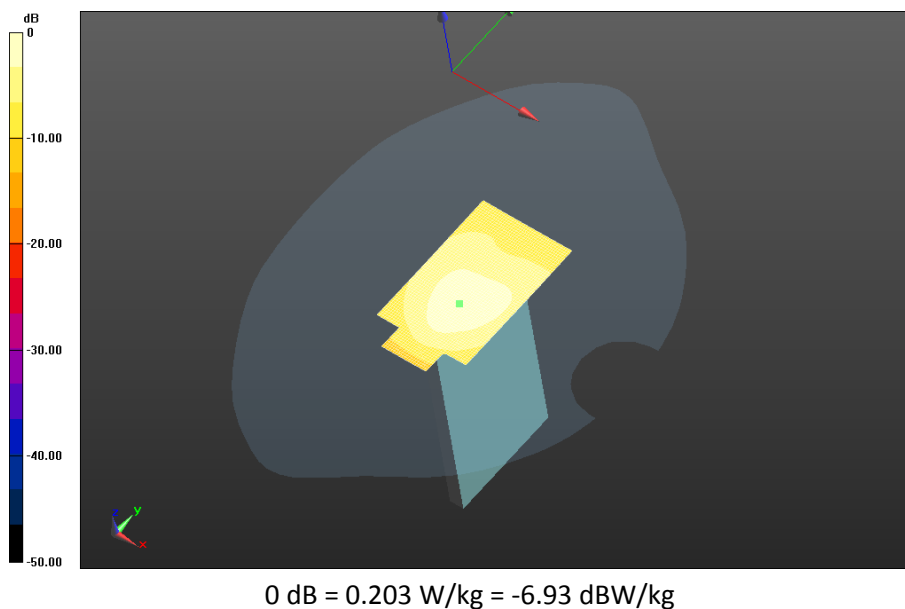
Fast SAR: SAR(1g) = 0.588 W/kg; SAR(10g) = 0.397 W/kg
Maximum value of SAR (interpolated) = 0.629 W/kg



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Mobile Hot Spot MSL - GPRS 850/10mm Device Bottom - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 13.294 V/m; **Power Drift = -0.063 dB**

Fast SAR: SAR(1g) = 0.180 W/kg; SAR(10g) = 0.112 W/kg
Maximum value of SAR (interpolated) = 0.203 W/kg



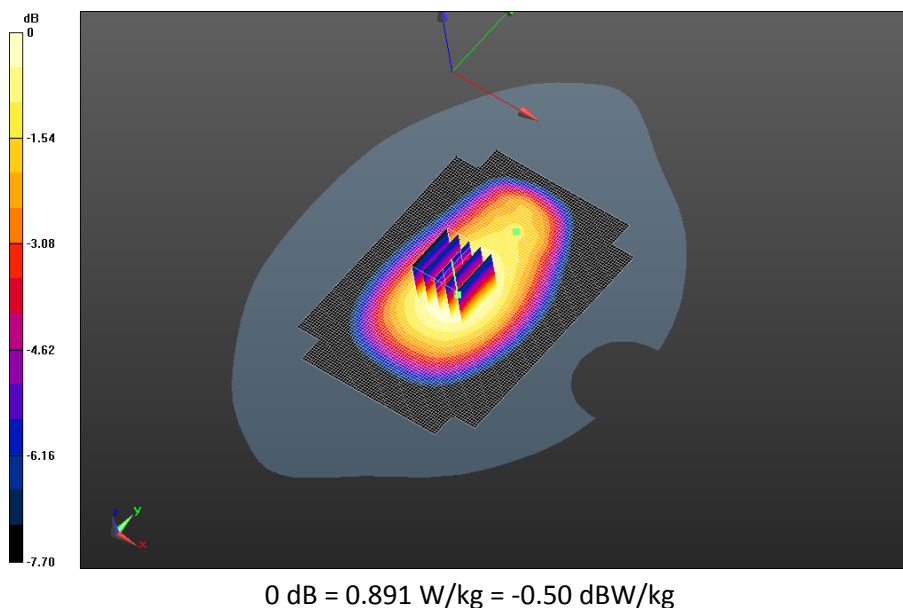
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Mobile Hot Spot MSL - GPRS 850/2nd Scan 10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 31.498 V/m; **Power Drift = -0.099 dB**

Fast SAR: SAR(1g) = 0.846 W/kg; SAR(10g) = 0.595 W/kg
Maximum value of SAR (interpolated) = 0.895 W/kg

Mobile Hot Spot MSL - GPRS 850/2nd Scan 10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 31.498 V/m; **Power Drift = -0.099 dB**

Averaged SAR: SAR(1g) = 0.846 W/kg; SAR(10g) = 0.650 W/kg
Maximum value of SAR (interpolated) = 1.02 W/kg



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UMTS Band V

Date: 2/23/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Mobile Hot Spot MSL - UMTS V

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

Frequency: 826.4 MHz

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 52.817$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (6.24,6.24,6.24); Calibrated: 3/10/2014;
- 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 - UMTS V/10mm Device Back - UMTS

V_chan4132_amb_temp_23.7C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:

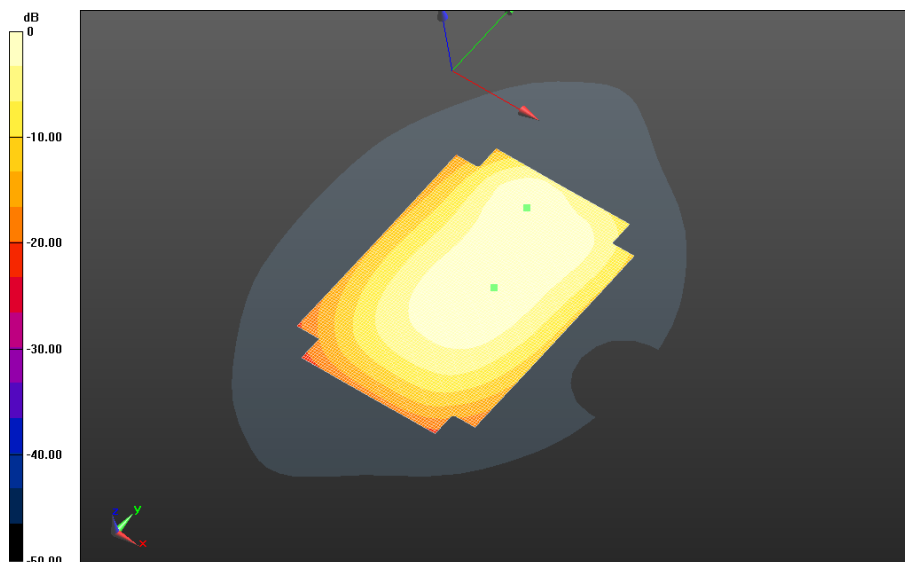
dx=1.500 mm, dy=1.500 mm

Reference Value = 23.902 V/m; **Power Drift = -0.079 dB**

Fast SAR: SAR(1g) = 0.576 W/kg; SAR(10g) = 0.401 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.619 W/kg

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0 dB = 0.619 W/kg = -2.08 dBW/kg

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

V_chan4182_amb_temp_23.7C_liq_temp_21.4C/Area Scan (81x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.883 V/m; **Power Drift = -0.064 dB**

Fast SAR: SAR(1g) = 0.830 W/kg; SAR(10g) = 0.566 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.898 W/kg

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

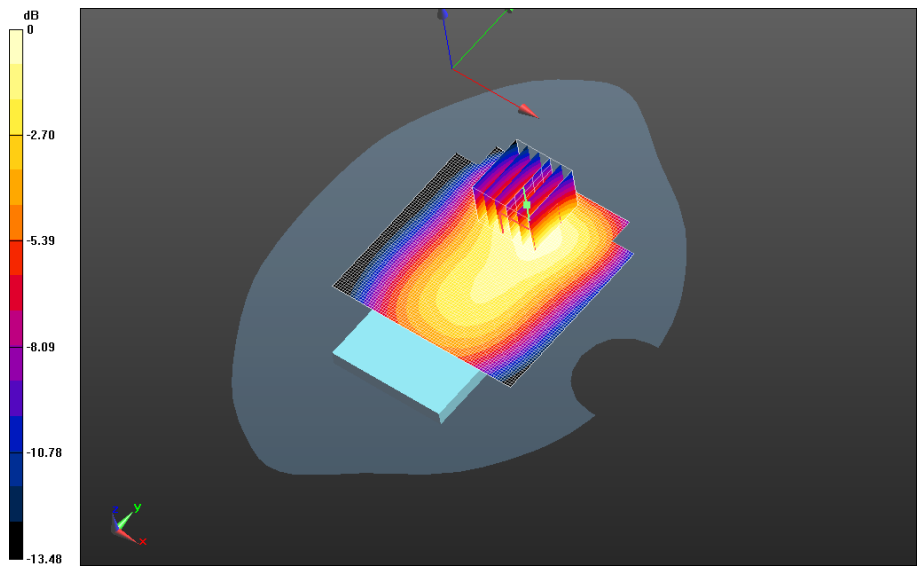
V_chan4182_amb_temp_23.7C_liq_temp_21.4C/Zoom Scan (26x26x36)/Cube 0: Interpolated

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

Reference Value = 24.883 V/m; **Power Drift = -0.064 dB**

Averaged SAR: SAR(1g) = 0.803 W/kg; SAR(10g) = 0.545 W/kg

Maximum value of SAR (interpolated) = 1.24 W/kg



0 dB = 0.848 W/kg = -0.72 dBW/kg

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Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

V_chan4233_amb_temp_23.7C_liq_temp_21.3C/Area Scan (81x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 22.003 V/m; **Power Drift = 0.024 dB**

Fast SAR: SAR(1g) = 0.827 W/kg; SAR(10g) = 0.559 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.898 W/kg

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

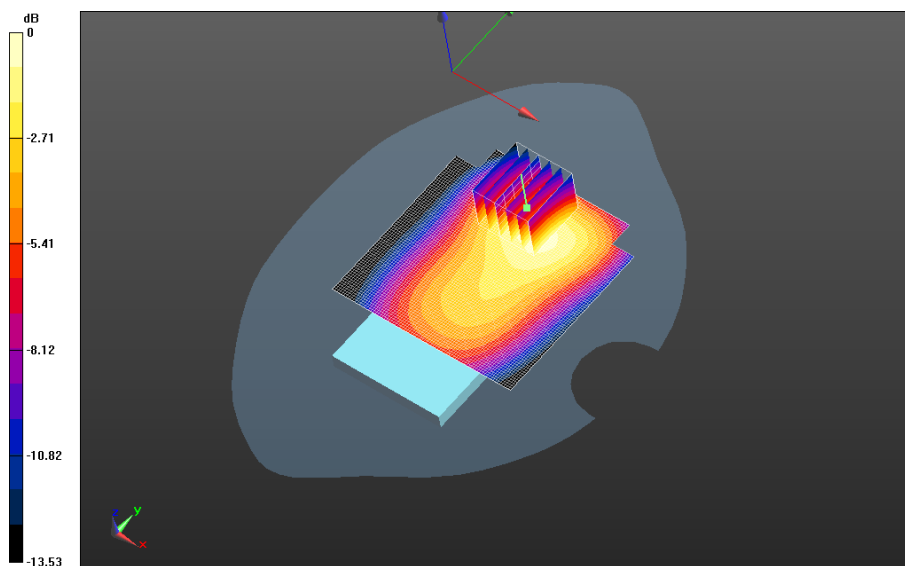
V_chan4233_amb_temp_23.7C_liq_temp_21.3C/Zoom Scan (26x26x36)/Cube 0: Interpolated

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

Reference Value = 22.003 V/m; **Power Drift = 0.024 dB**

Averaged SAR: SAR(1g) = 0.813 W/kg; SAR(10g) = 0.538 W/kg

Maximum value of SAR (interpolated) = 1.27 W/kg



0 dB = 0.861 W/kg = -0.65 dBW/kg

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Mobile Hot Spot MSL - UMTS V/10mm Device Front - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 23.886 V/m; **Power Drift = 0.010 dB**

Fast SAR: SAR(1g) = 0.673 W/kg; SAR(10g) = 0.466 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.720 W/kg

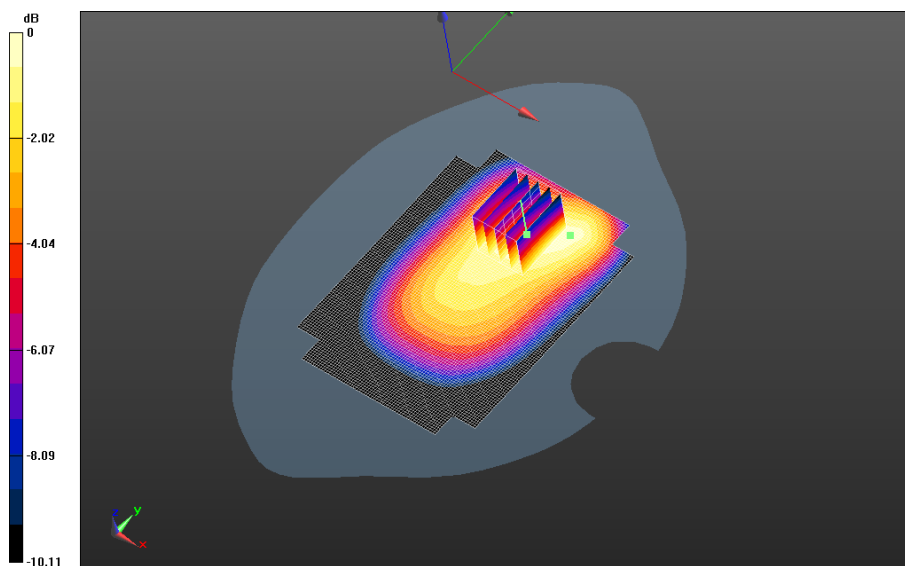
Mobile Hot Spot MSL - UMTS V/10mm Device Front - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (21x26x36)/Cube 0: Interpolated
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 23.886 V/m; **Power Drift = 0.010 dB**

Averaged SAR: SAR(1g) = 0.677 W/kg; SAR(10g) = 0.489 W/kg

Maximum value of SAR (interpolated) = 0.919 W/kg



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

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Mobile Hot Spot MSL - UMTS V/10mm Device Left - UMTS

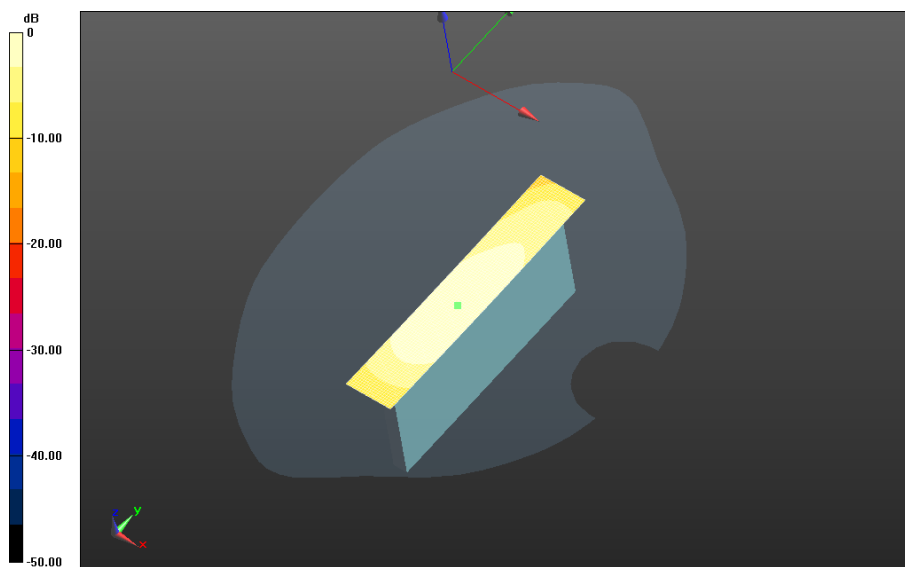
V_chan4182_amb_temp_23.6C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 17.994 V/m; **Power Drift = -0.059 dB**

Fast SAR: SAR(1g) = 0.297 W/kg; SAR(10g) = 0.202 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

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Mobile Hot Spot MSL - UMTS V/10mm Device Bottom - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 28.340 V/m; **Power Drift = -0.058 dB**

Fast SAR: SAR(1g) = 0.707 W/kg; SAR(10g) = 0.465 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.763 W/kg

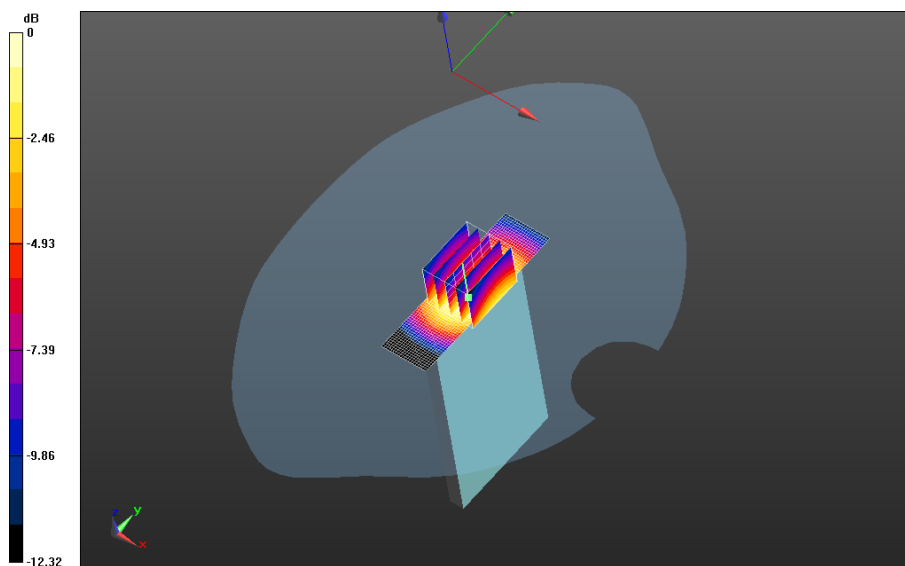
Mobile Hot Spot MSL - UMTS V/10mm Device Bottom - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.2C/Zoom Scan (21x26x36)/Cube 0: Interpolated
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 28.340 V/m; **Power Drift = -0.058 dB**

Averaged SAR: SAR(1g) = 0.650 W/kg; SAR(10g) = 0.429 W/kg

Maximum value of SAR (interpolated) = 0.979 W/kg



0 dB = 0.704 W/kg = -1.52 dBW/kg

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Mobile Hot Spot MSL - UMTS V/2nd scan_10mm Device Back - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.3C/Area Scan (81x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.708 V/m; **Power Drift = -0.028 dB**

Fast SAR: SAR(1g) = 0.822 W/kg; SAR(10g) = 0.562 W/kg; Secondary SAR(1g) = 0.573 W/kg

Maximum value of SAR (interpolated) = 0.889 W/kg

Mobile Hot Spot MSL - UMTS V/2nd scan_10mm Device Back - UMTS

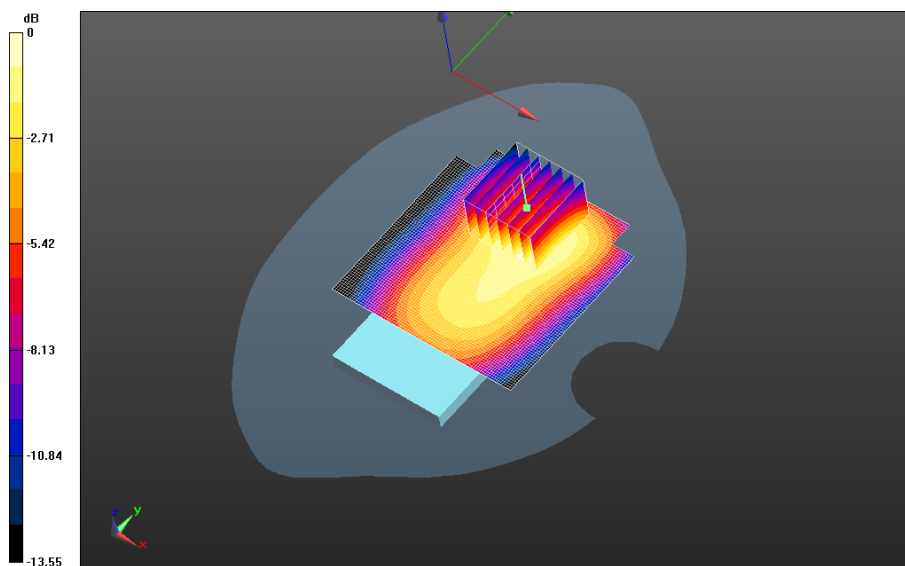
V_chan4182_amb_temp_23.6C_liq_temp_21.3C/Zoom Scan (31x31x36)/Cube 0: Interpolated

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

Reference Value = 24.708 V/m; **Power Drift = -0.028 dB**

Averaged SAR: SAR(1g) = 0.809 W/kg; SAR(10g) = 0.545 W/kg

Maximum value of SAR (interpolated) = 1.27 W/kg



0 dB = 0.855 W/kg = -0.68 dBW/kg

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GSM 1900

Date: 2/9/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Mobile Hot Spot MSL - GPRS 1900

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900;

Frequency: 1850.2 MHz

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.501$ S/m; $\epsilon_r = 52.187$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.59,4.59,4.59); Calibrated: 3/10/2014;
- 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 - GPRS 1900/10mm Device Back - GPRS1900_2-

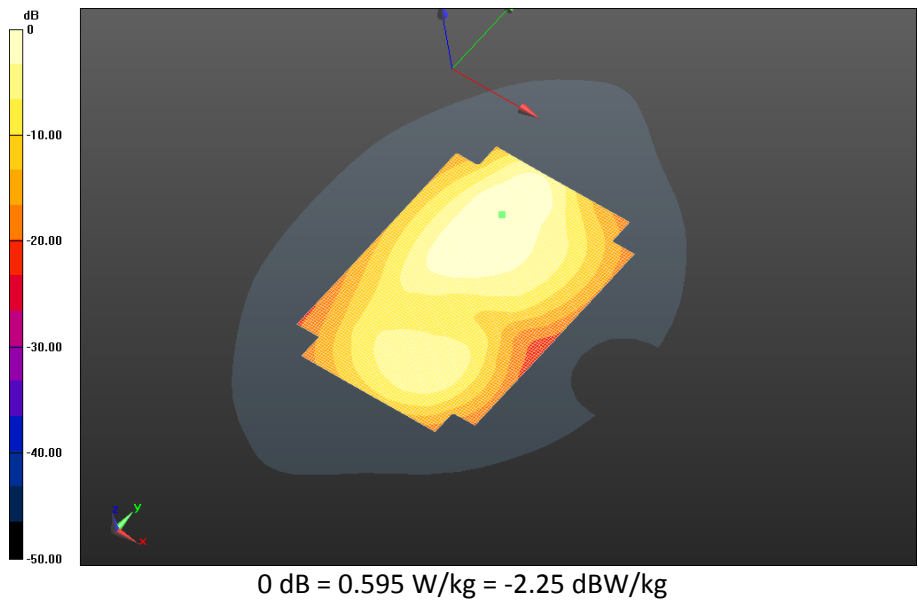
slot_chan512_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 12.364 V/m; **Power Drift = 0.018 dB**

Fast SAR: SAR(1g) = 0.546 W/kg; SAR(10g) = 0.327 W/kg

Maximum value of SAR (interpolated) = 0.595 W/kg



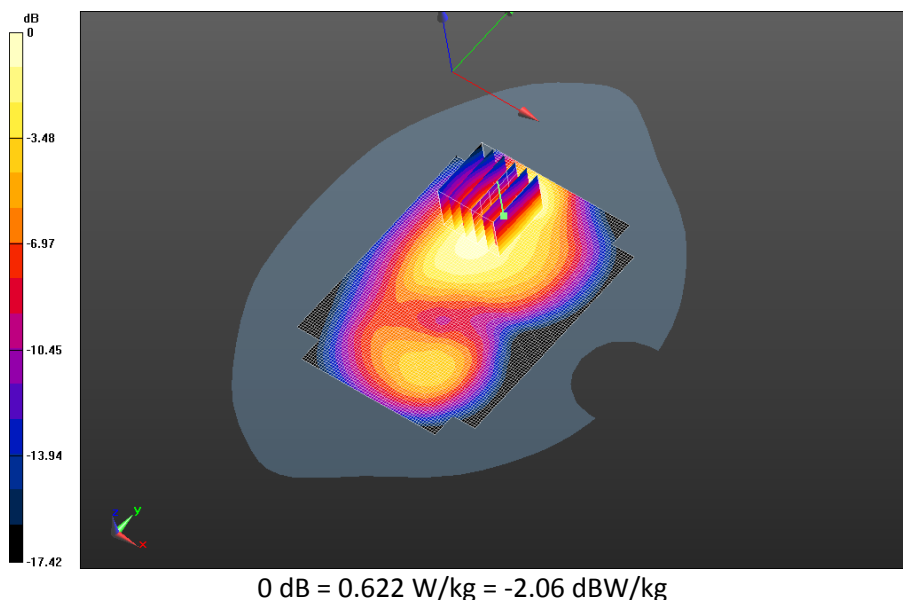
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 22(67)
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Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan661_amb_temp_23.7C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.998 V/m; **Power Drift = 0.018 dB**

Fast SAR: SAR(1g) = 0.577 W/kg; SAR(10g) = 0.345 W/kg
Maximum value of SAR (interpolated) = 0.631 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan661_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.998 V/m; **Power Drift = 0.018 dB**

Averaged SAR: SAR(1g) = 0.579 W/kg; SAR(10g) = 0.354 W/kg
Maximum value of SAR (interpolated) = 0.949 W/kg



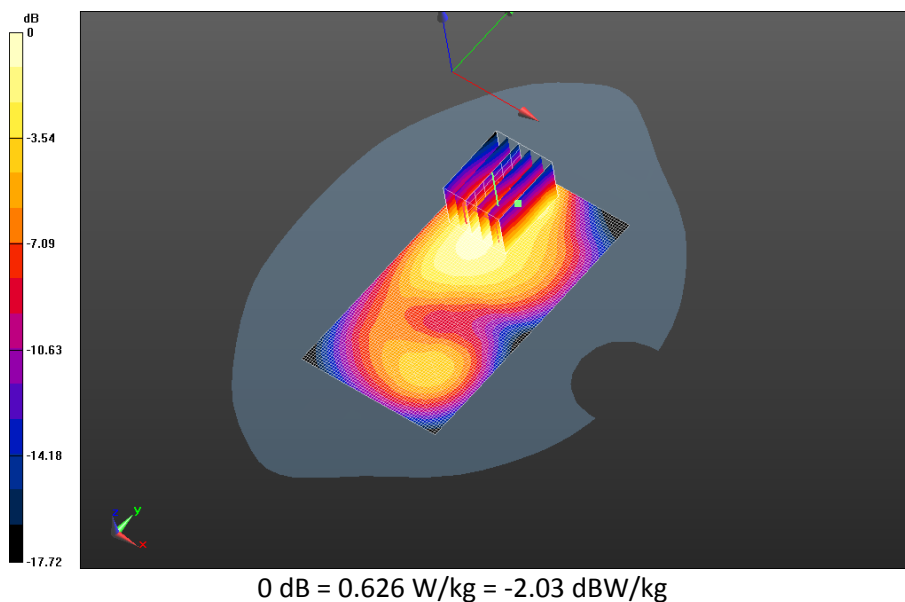
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 23(67)
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Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 13.414 V/m; **Power Drift = -0.065 dB**

Fast SAR: SAR(1g) = 0.584 W/kg; SAR(10g) = 0.348 W/kg
Maximum value of SAR (interpolated) = 0.647 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (26x31x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.414 V/m; **Power Drift = -0.065 dB**

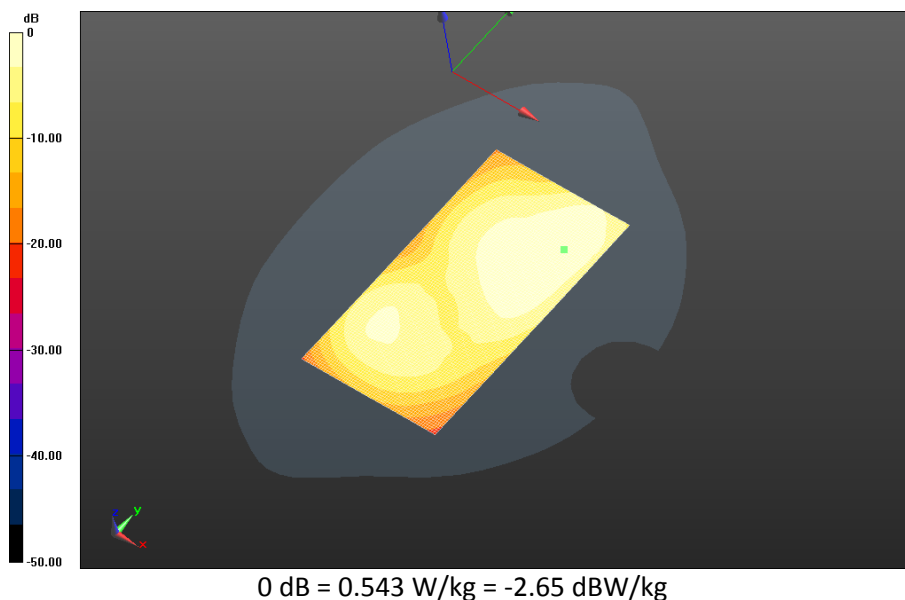
Averaged SAR: SAR(1g) = 0.588 W/kg; SAR(10g) = 0.361 W/kg
Maximum value of SAR (interpolated) = 1.02 W/kg



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**Mobile Hot Spot MSL - GPRS 1900/10mm Device Front- GPRS1900_2-
slot_chan661_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 11.752 V/m; **Power Drift = 0.060 dB**

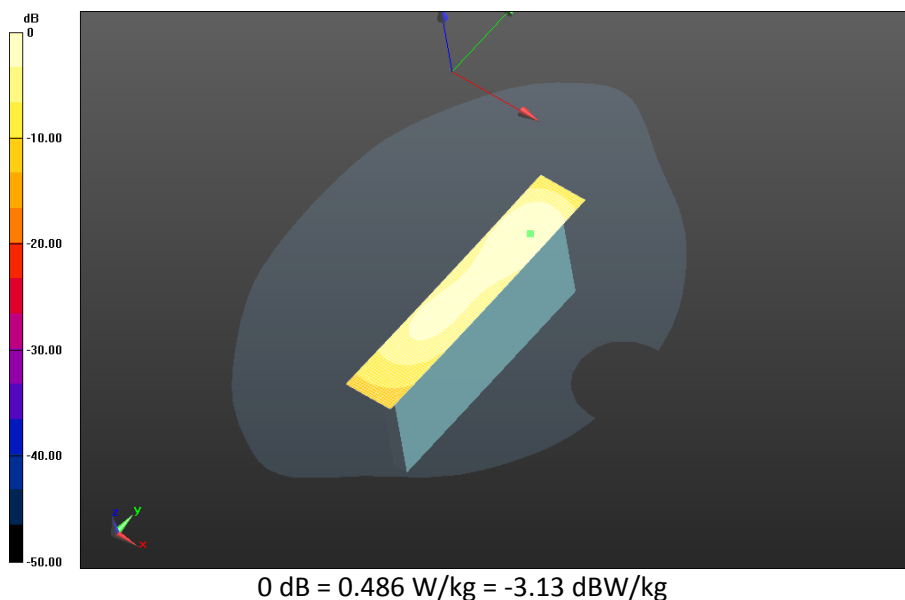
Fast SAR: SAR(1g) = 0.487 W/kg; SAR(10g) = 0.294 W/kg
Maximum value of SAR (interpolated) = 0.543 W/kg



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Mobile Hot Spot MSL - GPRS 1900/10mm Device Left - GPRS1900_2-slot_chan661_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 14.685 V/m; **Power Drift = -0.081 dB**

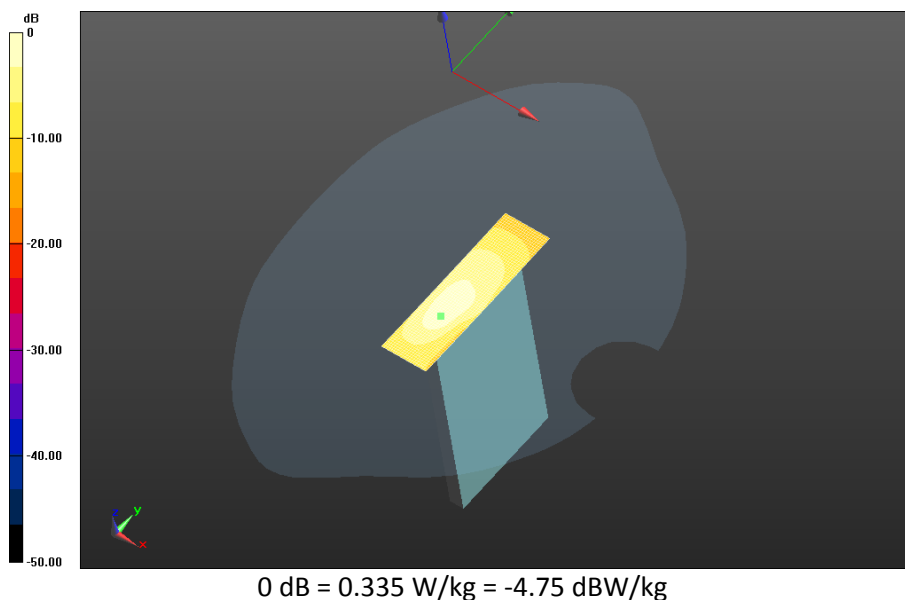
Fast SAR: SAR(1g) = 0.417 W/kg; SAR(10g) = 0.246 W/kg
Maximum value of SAR (interpolated) = 0.486 W/kg



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Mobile Hot Spot MSL - GPRS 1900/10mm Device Bottom - GPRS1900_2-slot_chan661_amb_temp_23.6C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 11.428 V/m; **Power Drift = -0.00749 dB**

Fast SAR: SAR(1g) = 0.268 W/kg; SAR(10g) = 0.132 W/kg
Maximum value of SAR (interpolated) = 0.335 W/kg



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UMTS Band II

Date: 2/9/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Mobile Hot Spot MSL - UMTS II

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

Frequency: 1852.4 MHz

Medium Parameters used: $f=1852.4$ MHz; $\sigma = 1.504$ S/m; $\epsilon_r = 52.189$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.59,4.59,4.59); Calibrated: 3/10/2014;
- 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 - UMTS II/10mm Device Back - UMTS

II_chan9262_amb_temp_24.2C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.470 V/m; **Power Drift = -0.018 dB**

Fast SAR: SAR(1g) = 0.649 W/kg; SAR(10g) = 0.354 W/kg

Maximum value of SAR (interpolated) = 0.769 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

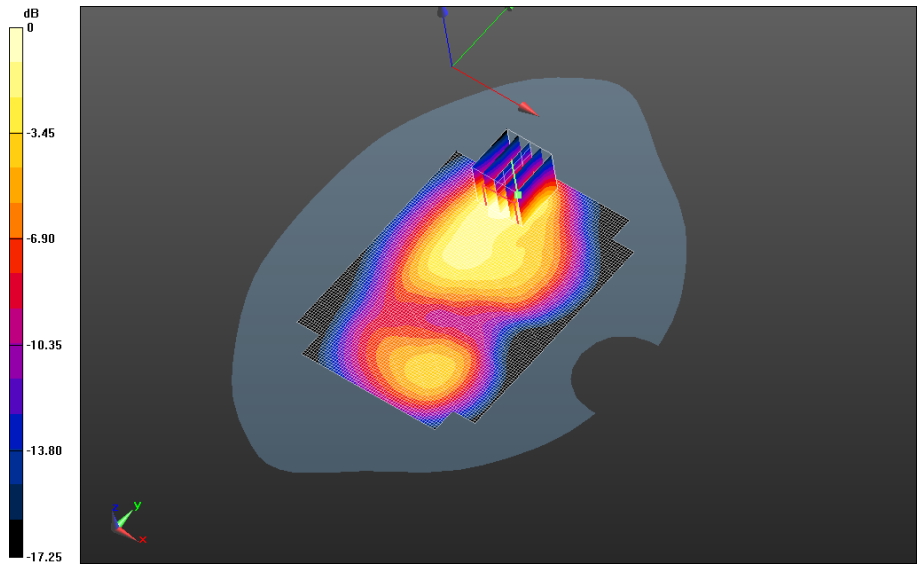
II_chan9262_amb_temp_24.2C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 14.470 V/m; **Power Drift = -0.018 dB**

Averaged SAR: SAR(1g) = 0.611 W/kg; SAR(10g) = 0.332 W/kg

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



0 dB = 0.670 W/kg = -1.74 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

II_chan9400_amb_temp_24.7C_liq_temp_21.6C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.037 V/m; **Power Drift = -0.058 dB**

Fast SAR: SAR(1g) = 0.617 W/kg; SAR(10g) = 0.354 W/kg; Secondary SAR(1g) = 0.581 W/kg

Maximum value of SAR (interpolated) = 0.698 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

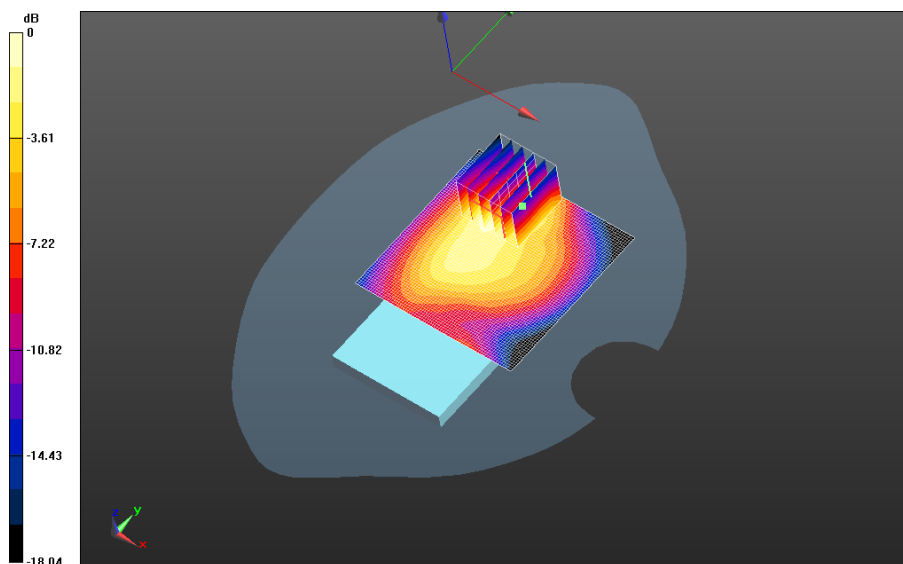
II_chan9400_amb_temp_24.7C_liq_temp_21.6C/Zoom Scan (26x26x36)/Cube 0: Interpolated

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

Reference Value = 14.037 V/m; **Power Drift = -0.058 dB**

Averaged SAR: SAR(1g) = 0.627 W/kg; SAR(10g) = 0.358 W/kg

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



0 dB = 0.698 W/kg = -1.56 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

II_chan9538_amb_temp_23.9C_liq_temp_21.5C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.757 V/m; **Power Drift = -0.026 dB**

Fast SAR: SAR(1g) = 0.616 W/kg; SAR(10g) = 0.345 W/kg; Secondary SAR(1g) = 0.581 W/kg

Maximum value of SAR (interpolated) = 0.701 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

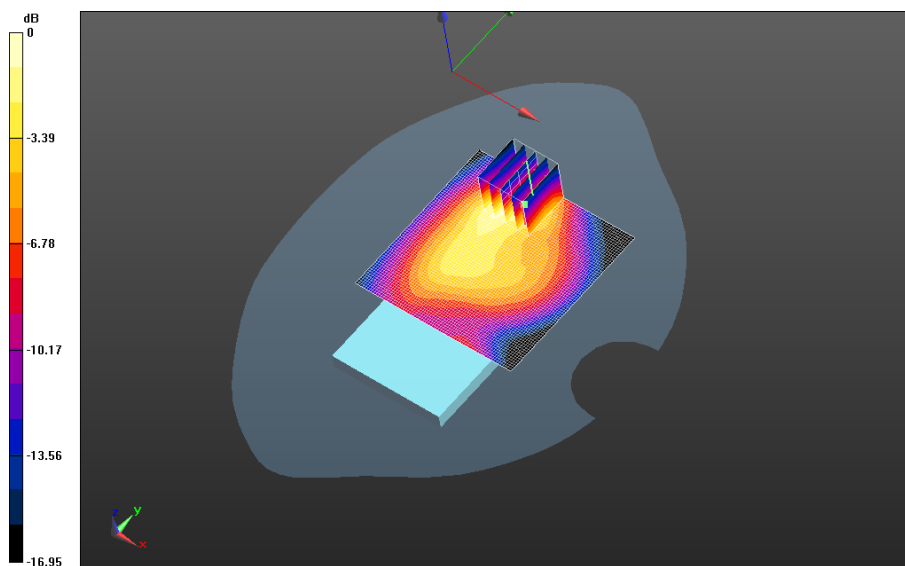
II_chan9538_amb_temp_23.9C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 13.757 V/m; **Power Drift = -0.026 dB**

Averaged SAR: SAR(1g) = 0.665 W/kg; SAR(10g) = 0.356 W/kg

Maximum value of SAR (interpolated) = 1.22 W/kg



0 dB = 0.737 W/kg = -1.33 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS

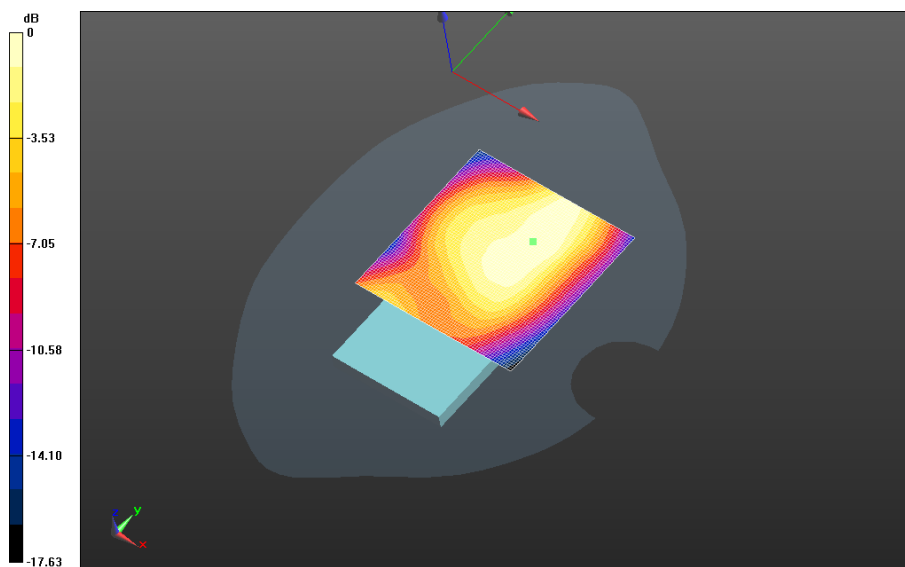
II_chan9400_amb_temp_24.1C_liq_temp_21.6C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.190 V/m; **Power Drift = 0.070 dB**

Fast SAR: SAR(1g) = 0.425 W/kg; SAR(10g) = 0.263 W/kg;

Maximum value of SAR (interpolated) = 0.456 W/kg



0 dB = 0.456 W/kg = -3.41 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Left - UMTS

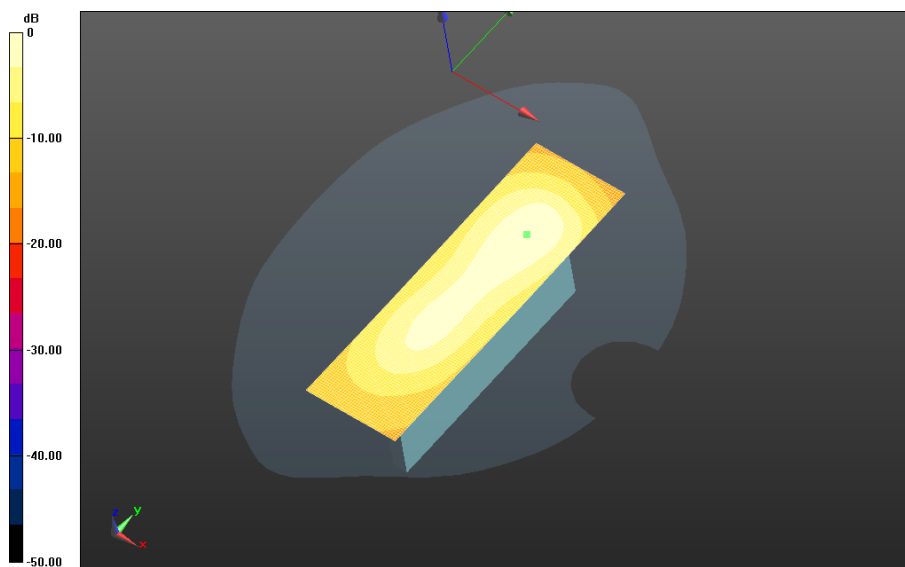
II_chan9400_amb_temp_24.4C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.438 V/m; **Power Drift = 0.065 dB**

Fast SAR: SAR(1g) = 0.372 W/kg; SAR(10g) = 0.217 W/kg

Maximum value of SAR (interpolated) = 0.431 W/kg



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

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Mobile Hot Spot MSL - UMTS II/10mm Device Right - UMTS

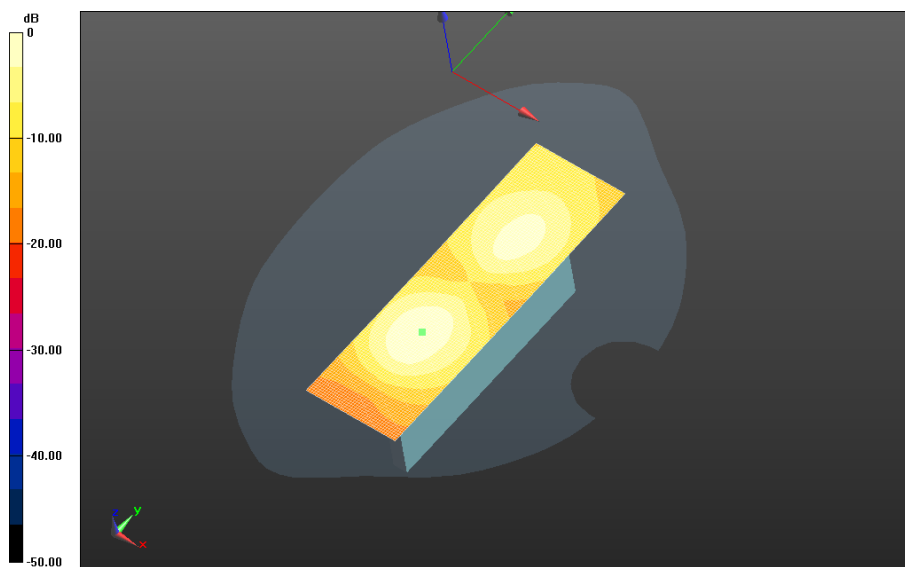
II_chan9400_amb_temp_24.2C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 3.577 V/m; **Power Drift = 0.333 dB**

Fast SAR: SAR(1g) = 0.148 W/kg; SAR(10g) = 0.0838 W/kg;

Maximum value of SAR (interpolated) = 0.175 W/kg



0 dB = 0.175 W/kg = -7.57 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Bottom - UMTS

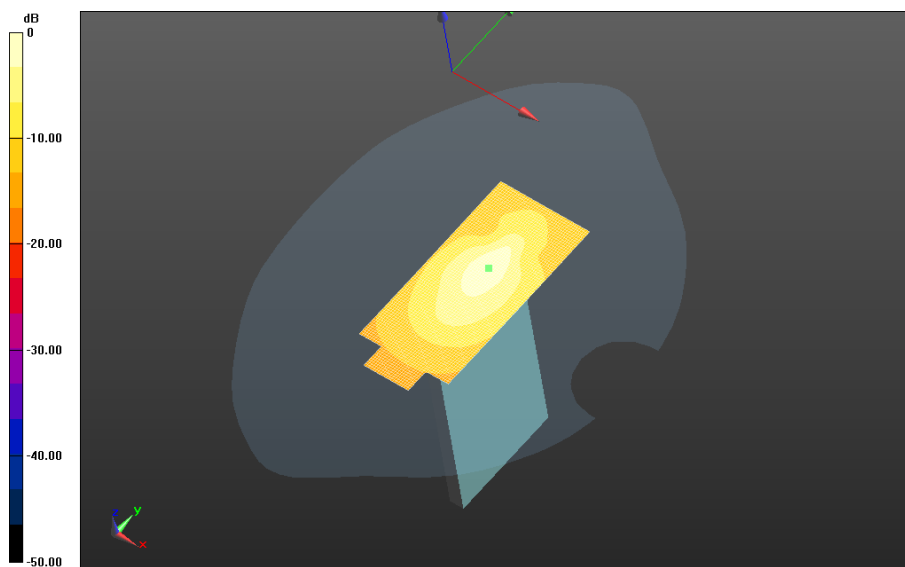
II_chan9400_amb_temp_24.5C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 10.341 V/m; **Power Drift = -0.105 dB**

Fast SAR: SAR(1g) = 0.229 W/kg; SAR(10g) = 0.110 W/kg;

Maximum value of SAR (interpolated) = 0.283 W/kg



0 dB = 0.283 W/kg = -5.48 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Back 2nd Scan - UMTS

II_chan9538_amb_temp_24.0C_liq_temp_21.8C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.830 V/m; **Power Drift = 0.033 dB**

Fast SAR: SAR(1g) = 0.606 W/kg; SAR(10g) = 0.340 W/kg; Secondary SAR(1g) = 0.581 W/kg

Maximum value of SAR (interpolated) = 0.690 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back 2nd Scan - UMTS

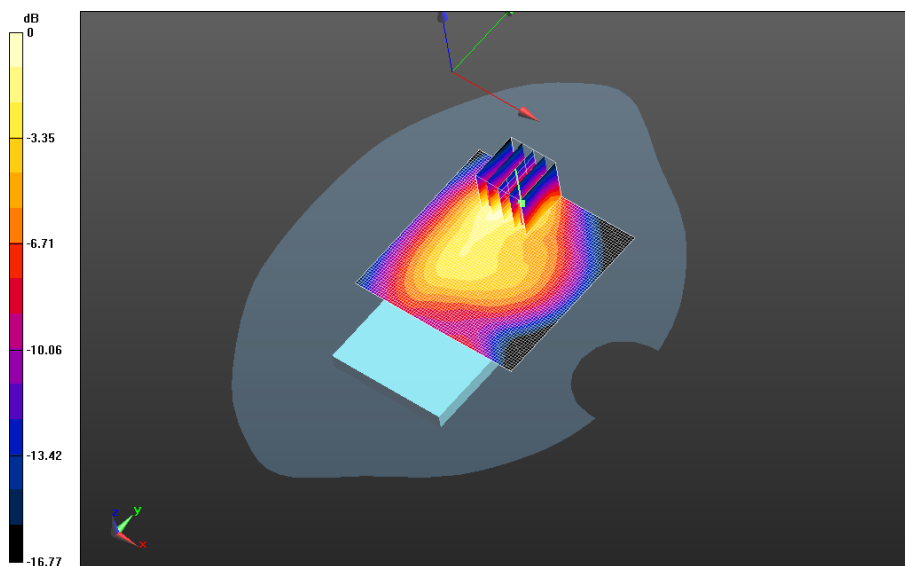
II_chan9538_amb_temp_24.0C_liq_temp_21.8C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 13.830 V/m; **Power Drift = 0.033 dB**

Averaged SAR: SAR(1g) = 0.651 W/kg; SAR(10g) = 0.350 W/kg

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



0 dB = 0.706 W/kg = -1.51 dBW/kg

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802.11b/g

Date: 3/3/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7A1D

Configuration: Mobile Hot Spot MSL - 802.11g

Communication System: 802.11 b/g (2450); Communication System Band: 802.11 b/g;

Frequency: 2412 MHz

Medium Parameters used: $f=2412$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 51.676$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.07,4.07,4.07); Calibrated: 3/10/2014;
- 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 - 802.11g/10mm Device Back -

802.11g_chan1_amb_temp_23.9C_liq_temp_21.6C/Area Scan (151x201x1): Interpolated grid:

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

Reference Value = 7.166 V/m; **Power Drift = -0.00374 dB**

Fast SAR: SAR(1g) = 0.208 W/kg; SAR(10g) = 0.114 W/kg

Maximum value of SAR (interpolated) = 0.230 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Back -

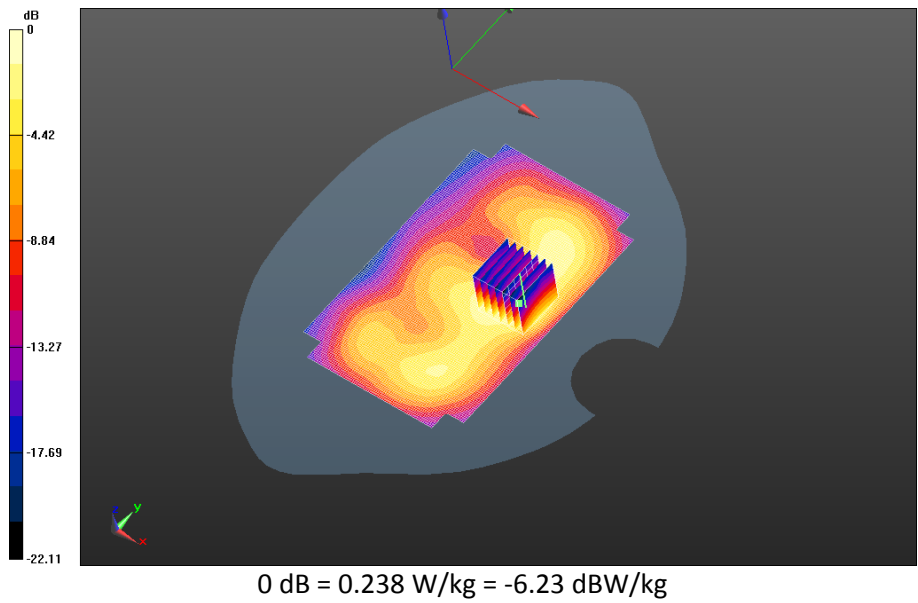
802.11g_chan1_amb_temp_23.9C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0:

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

Reference Value = 7.166 V/m; **Power Drift = -0.00374 dB**

Averaged SAR: SAR(1g) = 0.226 W/kg; SAR(10g) = 0.114 W/kg

Maximum value of SAR (interpolated) = 0.566 W/kg



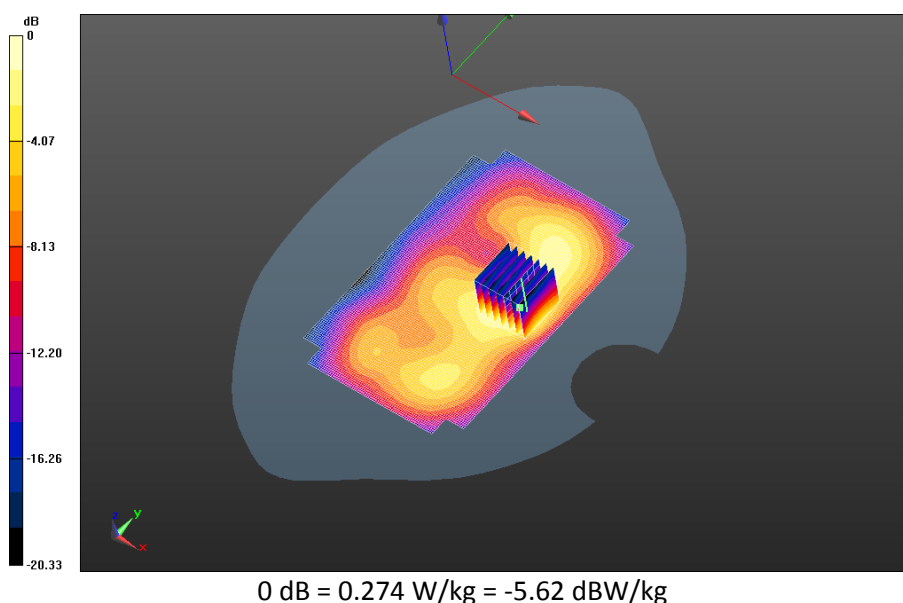
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 38(67)
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Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 7.515 V/m; **Power Drift = -0.145 dB**

Fast SAR: SAR(1g) = 0.238 W/kg; SAR(10g) = 0.129 W/kg
Maximum value of SAR (interpolated) = 0.265 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan6_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 = 7.515 V/m; **Power Drift = -0.145 dB**

Averaged SAR: SAR(1g) = 0.259 W/kg; SAR(10g) = 0.130 W/kg
Maximum value of SAR (interpolated) = 0.664 W/kg



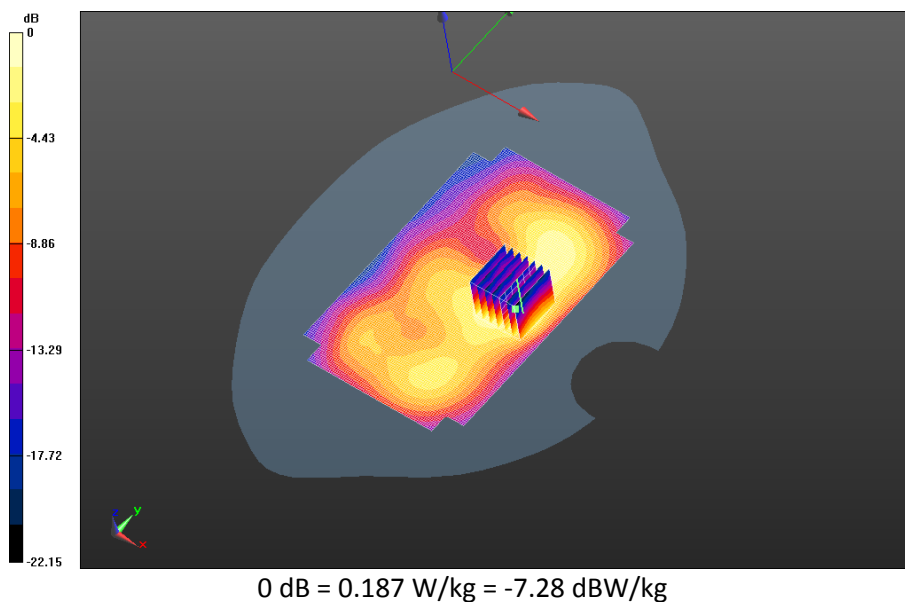
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 39(67)
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Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan11_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 6.104 V/m; **Power Drift = -0.047 dB**

Fast SAR: SAR(1g) = 0.164 W/kg; SAR(10g) = 0.0870 W/kg
Maximum value of SAR (interpolated) = 0.185 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan11_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 = 6.104 V/m; **Power Drift = -0.047 dB**

Averaged SAR: SAR(1g) = 0.178 W/kg; SAR(10g) = 0.0875 W/kg
Maximum value of SAR (interpolated) = 0.459 W/kg



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Mobile Hot Spot MSL - 802.11g/10mm Device Front -

802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 5.546 V/m; **Power Drift = -0.102 dB**

Fast SAR: SAR(1g) = 0.113 W/kg; SAR(10g) = 0.0630 W/kg

Maximum value of SAR (interpolated) = 0.124 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Front -

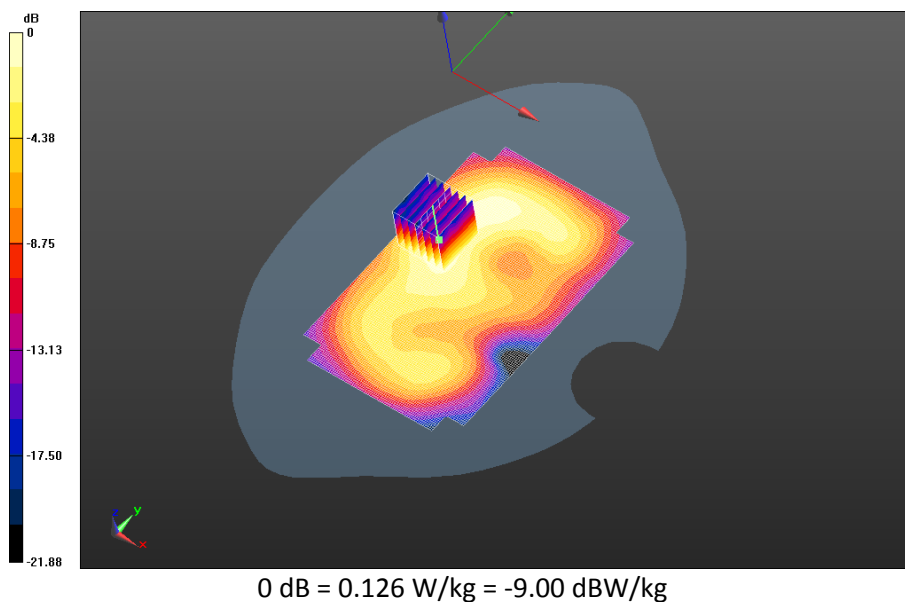
802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:

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

Reference Value = 5.546 V/m; **Power Drift = -0.102 dB**

Averaged SAR: SAR(1g) = 0.122 W/kg; SAR(10g) = 0.0638 W/kg

Maximum value of SAR (interpolated) = 0.317 W/kg



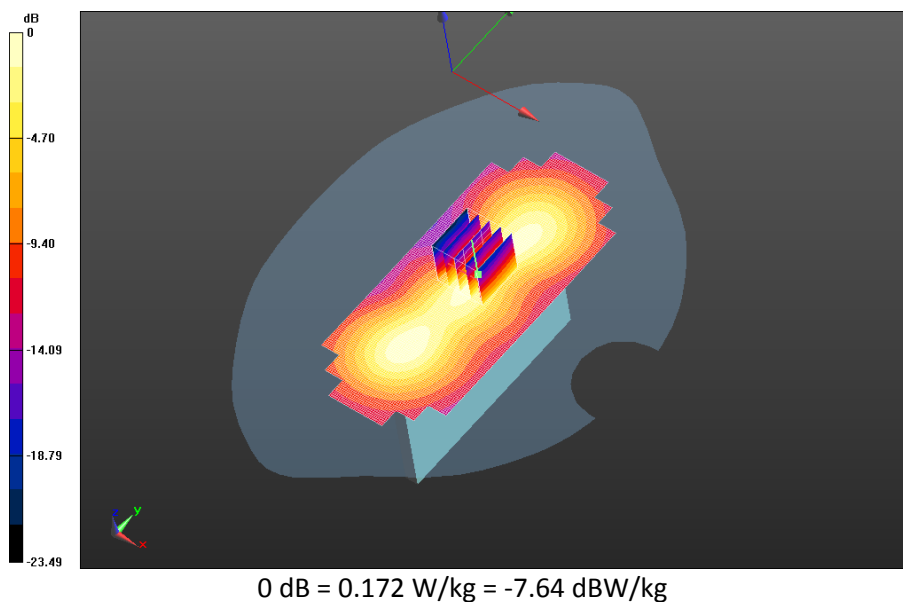
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 41(67)
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Mobile Hot Spot MSL - 802.11g/10mm Device Right - 802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 8.951 V/m; **Power Drift = -0.012 dB**

Fast SAR: SAR(1g) = 0.144 W/kg; SAR(10g) = 0.0763 W/kg
Maximum value of SAR (interpolated) = 0.172 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Right - 802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.951 V/m; **Power Drift = -0.012 dB**

Averaged SAR: SAR(1g) = 0.160 W/kg; SAR(10g) = 0.0753 W/kg
Maximum value of SAR (interpolated) = 0.424 W/kg



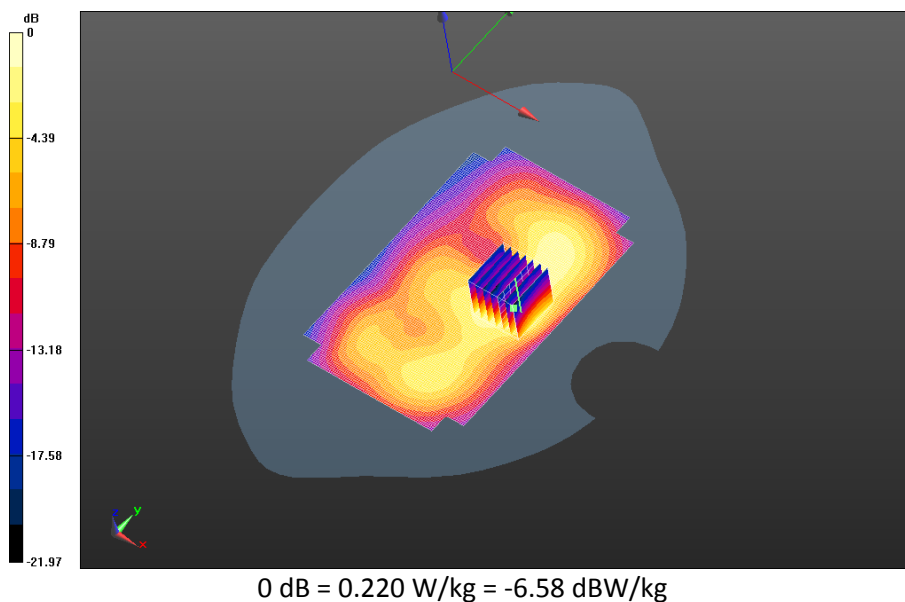
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 42(67)
Author Data Andrew Becker	Dates of Test Jan 29 –Mar 09, 2015	Test Report No RTS-6063-1503-17	FCC ID: L6ARHD130LW	

Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11b_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 6.805 V/m; **Power Drift = -0.150 dB**

Fast SAR: SAR(1g) = 0.195 W/kg; SAR(10g) = 0.105 W/kg
Maximum value of SAR (interpolated) = 0.219 W/kg

Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11b_chan6_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 = 6.805 V/m; **Power Drift = -0.150 dB**

Averaged SAR: SAR(1g) = 0.210 W/kg; SAR(10g) = 0.105 W/kg
Maximum value of SAR (interpolated) = 0.545 W/kg



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Bluetooth

Date: 3/3/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

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; $\sigma = 1.998$ S/m; $\epsilon_r = 51.638$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.07,4.07,4.07); Calibrated: 3/10/2014;
- 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_21.5C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 3.240 V/m; **Power Drift = -0.183 dB**

Fast SAR: SAR(1g) = 0.0419 W/kg; SAR(10g) = 0.0228 W/kg

Maximum value of SAR (interpolated) = 0.0466 W/kg

Mobile Hot Spot MSL - Bluetooth/10mm Device Back -

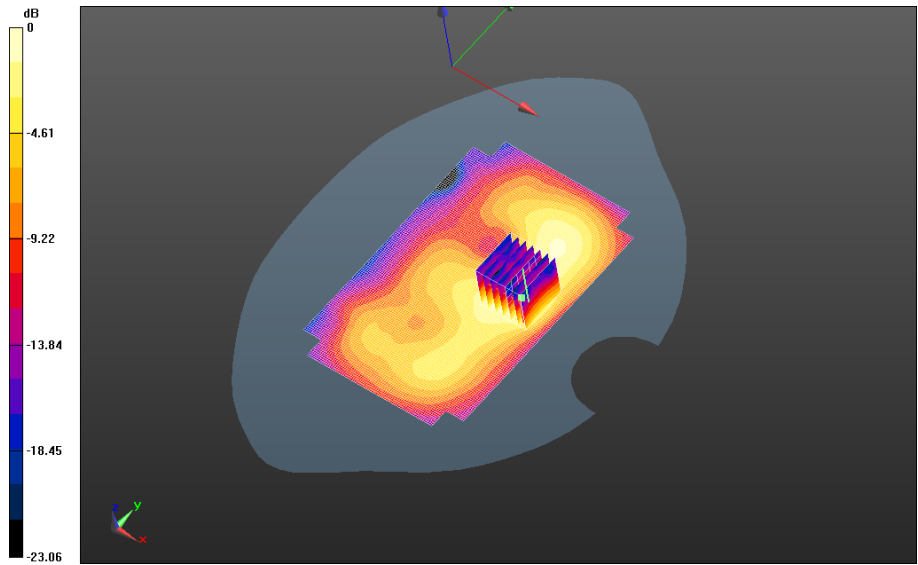
Bluetooth_chan39_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:

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

Reference Value = 3.240 V/m; **Power Drift = -0.183 dB**

Averaged SAR: SAR(1g) = 0.0466 W/kg; SAR(10g) = 0.0231 W/kg

Maximum value of SAR (interpolated) = 0.118 W/kg



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

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Device Model: RHD131LW

GSM 850

Date: 2/25/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7836

Configuration: Mobile Hot Spot MSL - GPRS 850

Communication System: GPRS 850 (3 slots) (0); Communication System Band: GPRS 850 (3 slots); Frequency: 824.2 MHz

Medium Parameters used: $f=825$ MHz; $\sigma = 0.956$ S/m; $\epsilon_r = 52.831$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (6.24,6.24,6.24); Calibrated: 3/10/2014;
- 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 - GPRS 850/10mm Device Back - GPRS 850_3-

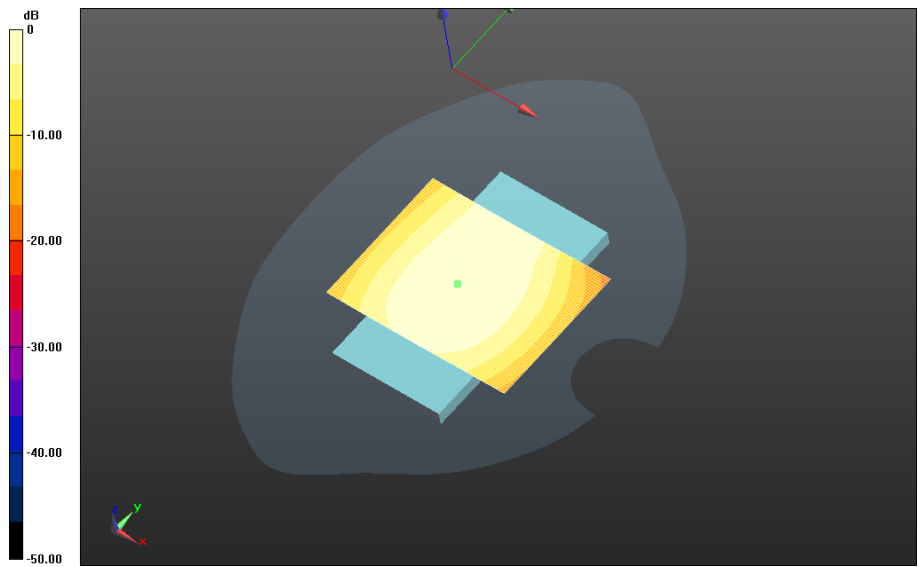
Slot_chan128_amb_temp_24.2C_liq_temp_21.8C/Area Scan (121x61x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 32.510 V/m; **Power Drift = -0.157 dB**

Fast SAR: SAR(1g) = 0.888 W/kg; SAR(10g) = 0.627 W/kg

Maximum value of SAR (interpolated) = 0.934 W/kg



0 dB = 0.934 W/kg = -0.30 dBW/kg

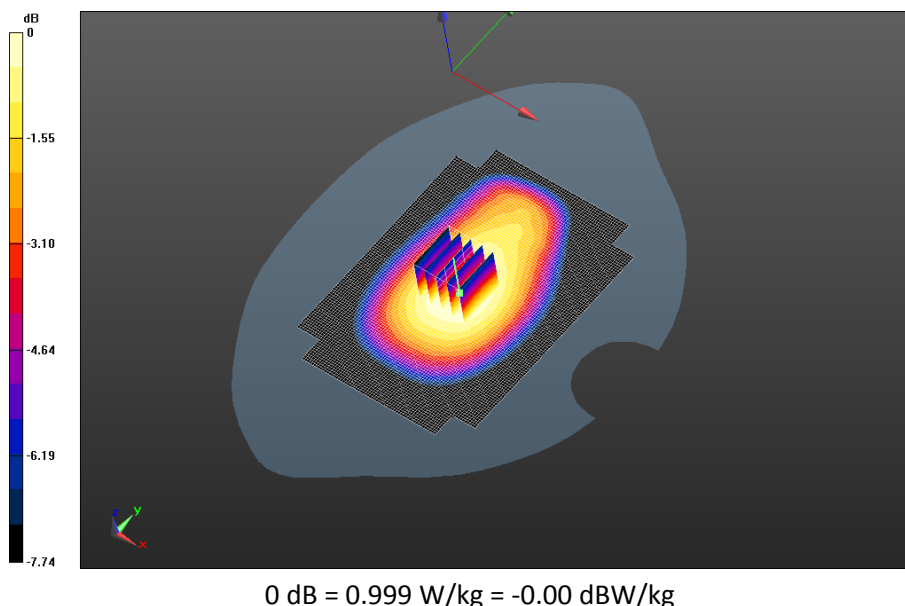
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 47(67)
Author Data Andrew Becker	Dates of Test Jan 29 –Mar 09, 2015	Test Report No RTS-6063-1503-17	FCC ID: L6ARHD130LW	

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_24.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 33.922 V/m; **Power Drift = -0.176 dB**

Fast SAR: SAR(1g) = 0.978 W/kg; SAR(10g) = 0.687 W/kg
Maximum value of SAR (interpolated) = 1.03 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_24.3C_liq_temp_21.8C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 33.922 V/m; **Power Drift = -0.176 dB**

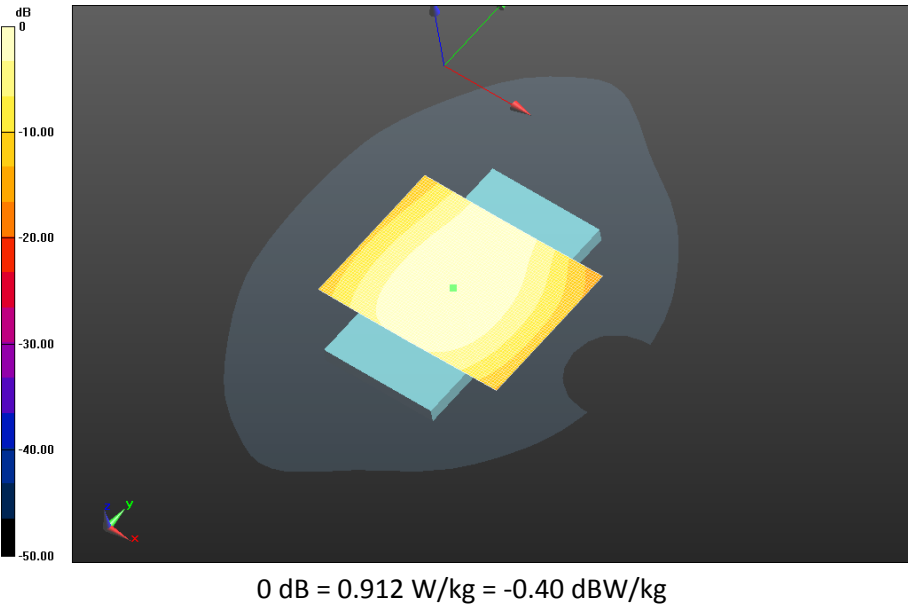
Averaged SAR: SAR(1g) = 0.956 W/kg; SAR(10g) = 0.734 W/kg
Maximum value of SAR (interpolated) = 1.18 W/kg



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Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_3-Slot_chan251_amb_temp_24.0C_liq_temp_21.7C/Area Scan (121x61x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 31.492 V/m; **Power Drift = -0.021 dB**

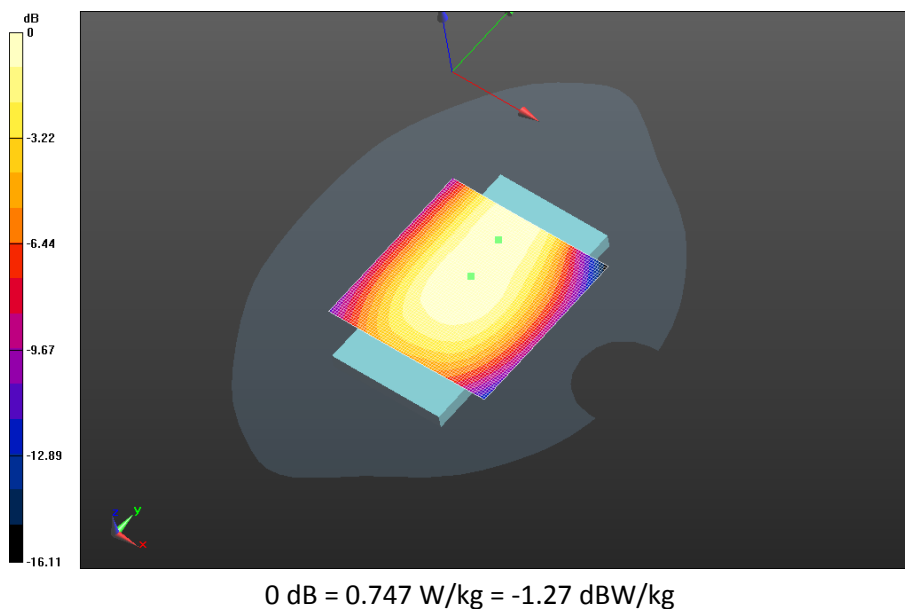
Fast SAR: SAR(1g) = 0.865 W/kg; SAR(10g) = 0.608 W/kg
Maximum value of SAR (interpolated) = 0.912 W/kg



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Mobile Hot Spot MSL - GPRS 850/Headset_10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_24.2C_liq_temp_21.7C/Area Scan (71x71x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 28.635 V/m; **Power Drift = -0.062 dB**

Fast SAR: SAR(1g) = 0.709 W/kg; SAR(10g) = 0.500 W/kg; Secondary SAR(1g) = 0.691 W/kg
Maximum value of SAR (interpolated) = 0.747 W/kg



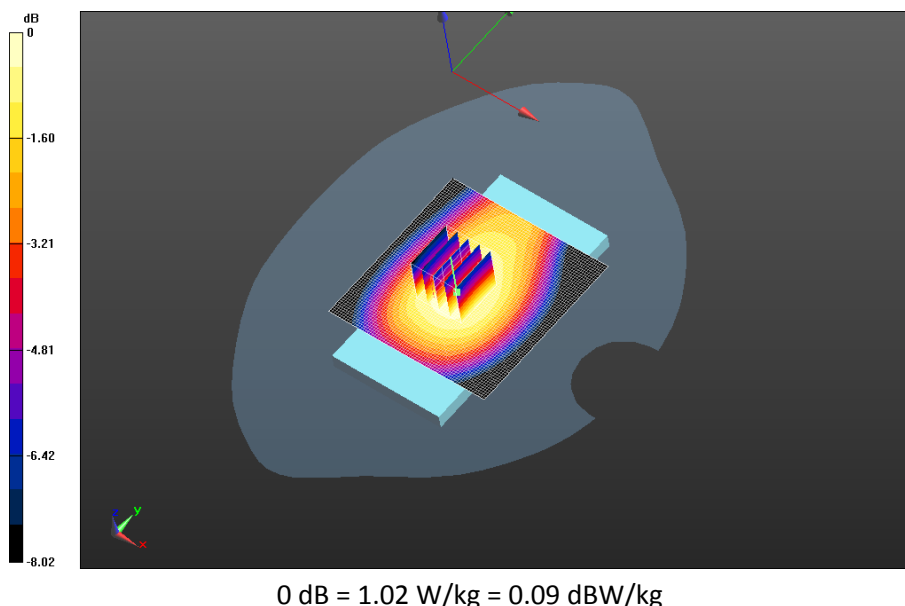
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 50(67)
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Mobile Hot Spot MSL - GPRS 850/2nd Scan 10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.9C_liq_temp_21.7C/Area Scan (71x71x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 33.156 V/m; **Power Drift = 0.062 dB**

Fast SAR: SAR(1g) = 0.952 W/kg; SAR(10g) = 0.668 W/kg; Secondary SAR(1g) = 0.691 W/kg
Maximum value of SAR (interpolated) = 1.01 W/kg

Mobile Hot Spot MSL - GPRS 850/2nd Scan 10mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.9C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 33.156 V/m; **Power Drift = 0.062 dB**

Averaged SAR: SAR(1g) = 0.968 W/kg; SAR(10g) = 0.743 W/kg
Maximum value of SAR (interpolated) = 1.18 W/kg



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UMTS Band V

Date: 2/23/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7836

Configuration: Mobile Hot Spot MSL - UMTS V

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

Frequency: 826.4 MHz

Medium Parameters used: $f=826.4$ MHz; $\sigma = 0.958$ S/m; $\epsilon_r = 52.817$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (6.24,6.24,6.24); Calibrated: 3/10/2014;
- 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 - UMTS V/10mm Device Back - UMTS

V_chan4132_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x71x1): Interpolated grid:

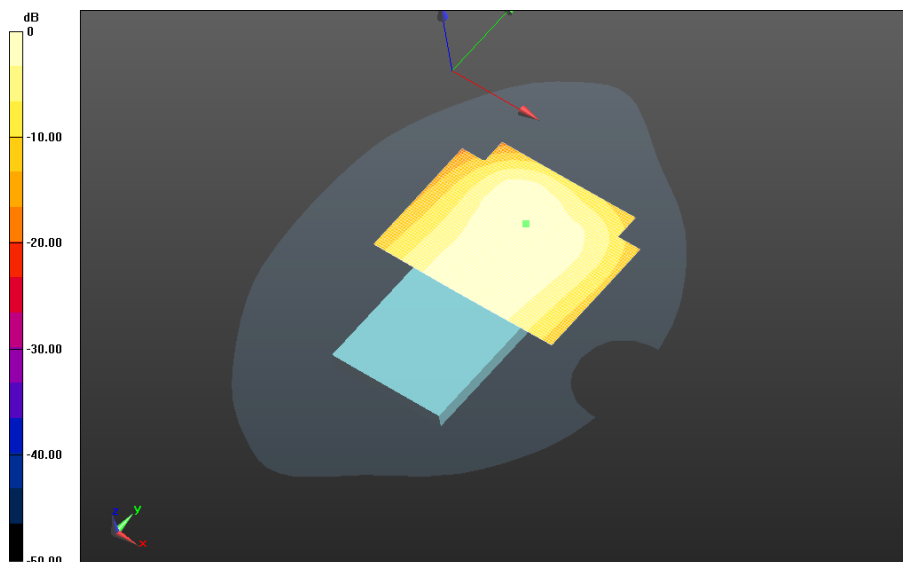
dx=1.500 mm, dy=1.500 mm

Reference Value = 24.314 V/m; **Power Drift = 0.040 dB**

Fast SAR: SAR(1g) = 0.629 W/kg; SAR(10g) = 0.433 W/kg

Maximum value of SAR (interpolated) = 0.669 W/kg

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

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

V_chan4182_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 25.074 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.879 W/kg; SAR(10g) = 0.598 W/kg

Maximum value of SAR (interpolated) = 0.976 W/kg

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

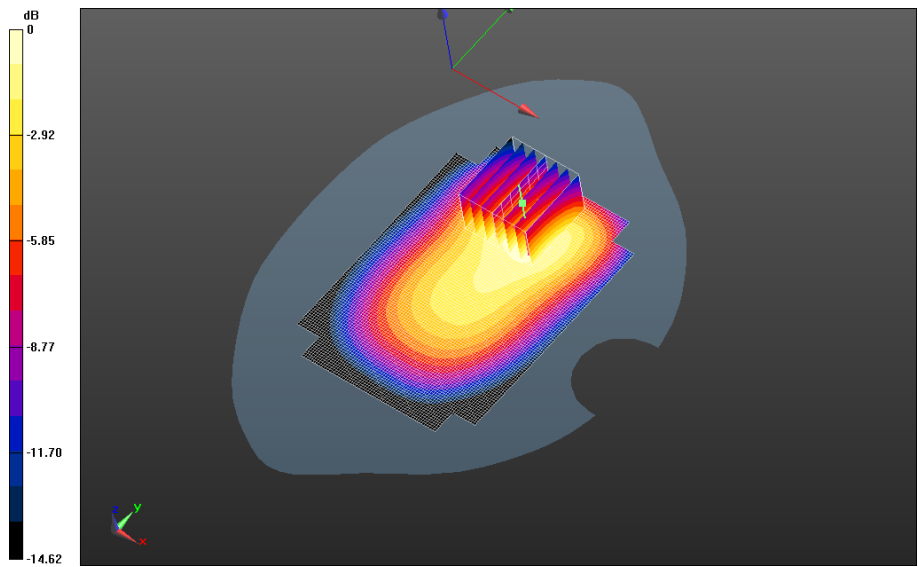
V_chan4182_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (31x31x36)/Cube 0: Interpolated

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

Reference Value = 25.074 V/m; **Power Drift = 0.034 dB**

Averaged SAR: SAR(1g) = 0.854 W/kg; SAR(10g) = 0.576 W/kg

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



0 dB = 0.906 W/kg = -0.43 dBW/kg

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Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

V_chan4233_amb_temp_23.6C_liq_temp_21.4C/Area Scan (81x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 22.386 V/m; **Power Drift = 0.096 dB**

Fast SAR: SAR(1g) = 0.885 W/kg; SAR(10g) = 0.599 W/kg

Maximum value of SAR (interpolated) = 0.968 W/kg

Mobile Hot Spot MSL - UMTS V/10mm Device Back - UMTS

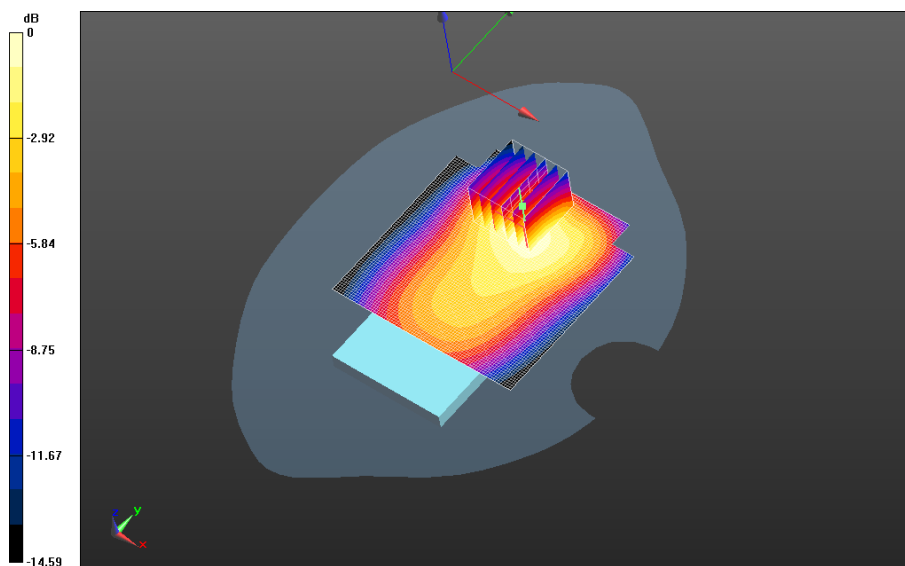
V_chan4233_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (26x26x36)/Cube 0: Interpolated

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

Reference Value = 22.386 V/m; **Power Drift = 0.096 dB**

Averaged SAR: SAR(1g) = 0.870 W/kg; SAR(10g) = 0.577 W/kg

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



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

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Mobile Hot Spot MSL - UMTS V/10mm Device Front - UMTS

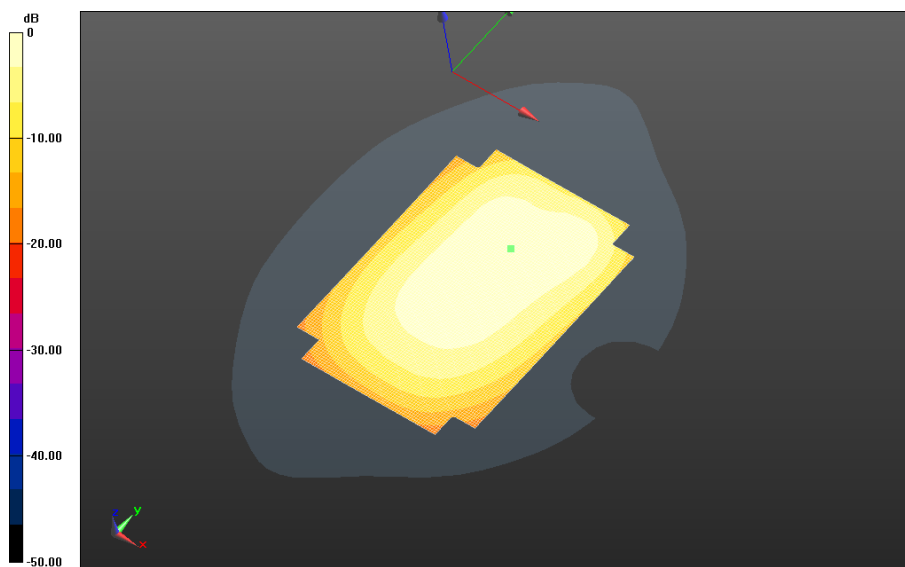
V_chan4182_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.225 V/m; **Power Drift = -0.063 dB**

Fast SAR: SAR(1g) = 0.613 W/kg; SAR(10g) = 0.426 W/kg

Maximum value of SAR (interpolated) = 0.654 W/kg



0 dB = 0.654 W/kg = -1.84 dBW/kg

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Mobile Hot Spot MSL - UMTS V/2nd scan_10mm Device Back - UMTS

V_chan4233_amb_temp_23.7C_liq_temp_21.5C/Area Scan (81x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 22.067 V/m; **Power Drift = 0.026 dB**

Fast SAR: SAR(1g) = 0.876 W/kg; SAR(10g) = 0.592 W/kg

Maximum value of SAR (interpolated) = 0.963 W/kg

Mobile Hot Spot MSL - UMTS V/2nd scan_10mm Device Back - UMTS

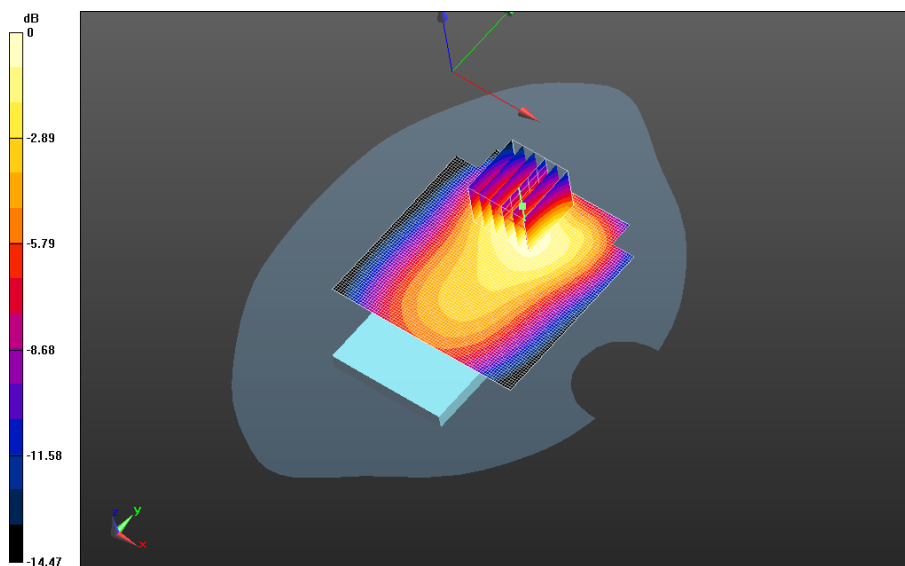
V_chan4233_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (26x26x36)/Cube 0: Interpolated

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

Reference Value = 22.067 V/m; **Power Drift = 0.026 dB**

Averaged SAR: SAR(1g) = 0.856 W/kg; SAR(10g) = 0.567 W/kg

Maximum value of SAR (interpolated) = 1.34 W/kg



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

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GSM 1900

Date: 2/10/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7836

Configuration: Mobile Hot Spot MSL - GPRS 1900

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900;

Frequency: 1850.2 MHz

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.501$ S/m; $\epsilon_r = 52.187$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.59,4.59,4.59); Calibrated: 3/10/2014;
- 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 - GPRS 1900/10mm Device Back - GPRS1900_2-

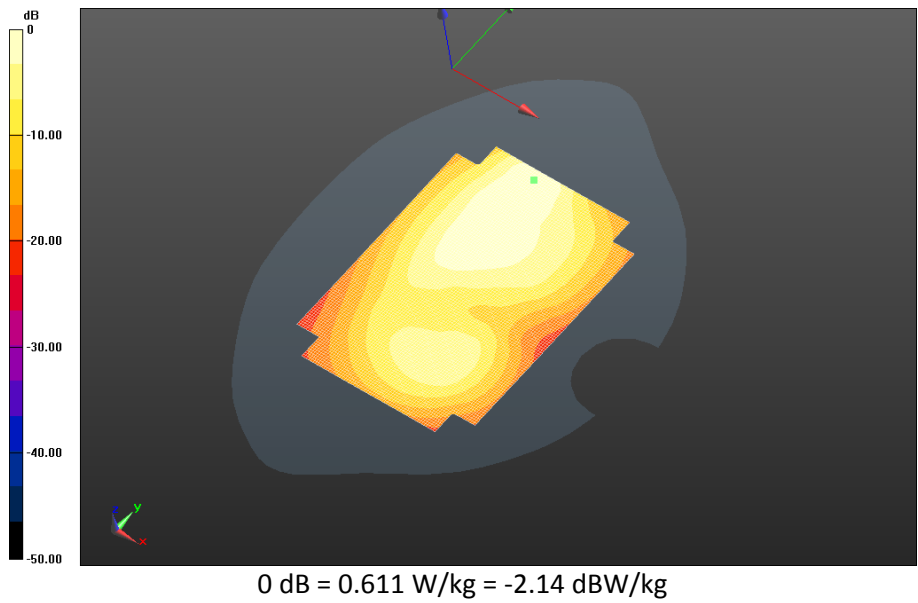
slot_chan512_amb_temp_23.4C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 10.743 V/m; **Power Drift = -0.139 dB**

Fast SAR: SAR(1g) = 0.545 W/kg; SAR(10g) = 0.328 W/kg; Secondary SAR(1g) = 0.544 W/kg

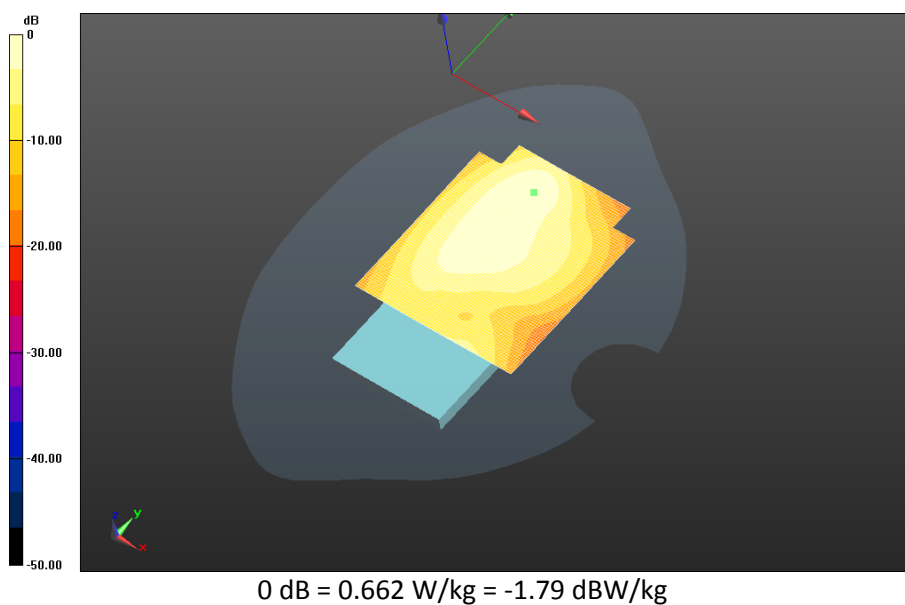
Maximum value of SAR (interpolated) = 0.611 W/kg



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Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan661_amb_temp_23.5C_liq_temp_21.4C/Area Scan (71x81x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 10.486 V/m; **Power Drift = 0.027 dB**

Fast SAR: SAR(1g) = 0.578 W/kg; SAR(10g) = 0.342 W/kg; Secondary SAR(1g) = 0.544 W/kg
Maximum value of SAR (interpolated) = 0.662 W/kg



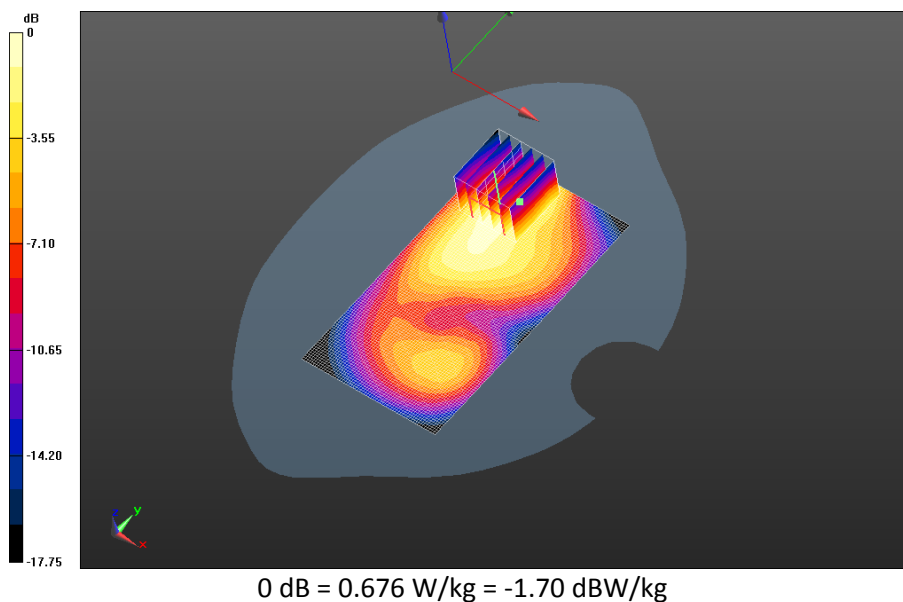
		Document Appendix C1 for the BlackBerry® Smartphone Model RHD131LW (STR100-1) SAR Report		Page 60(67)
Author Data Andrew Becker	Dates of Test Jan 29 –Mar 09, 2015	Test Report No RTS-6063-1503-17	FCC ID: L6ARHD130LW	

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.635 V/m; **Power Drift = 0.018 dB**

Fast SAR: SAR(1g) = 0.602 W/kg; SAR(10g) = 0.359 W/kg; Secondary SAR(1g) = 0.544 W/kg
Maximum value of SAR (interpolated) = 0.663 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.635 V/m; **Power Drift = 0.018 dB**

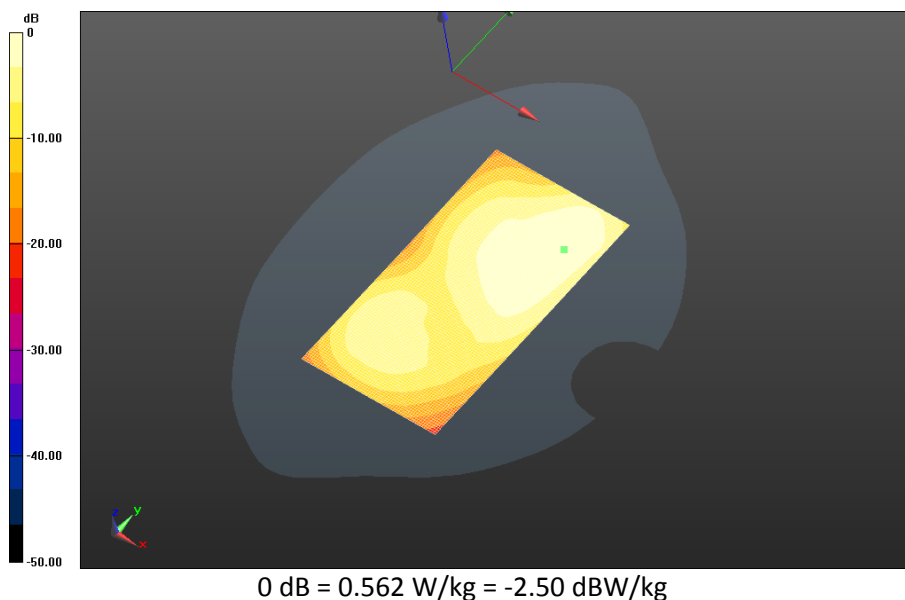
Averaged SAR: SAR(1g) = 0.615 W/kg; SAR(10g) = 0.377 W/kg
Maximum value of SAR (interpolated) = 1.08 W/kg



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**Mobile Hot Spot MSL - GPRS 1900/10mm Device Front- GPRS1900_2-
slot_chan661_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.207 V/m; **Power Drift = -0.014 dB**

Fast SAR: SAR(1g) = 0.505 W/kg; SAR(10g) = 0.303 W/kg; Secondary SAR(1g) = 0.544 W/kg
Maximum value of SAR (interpolated) = 0.562 W/kg



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UMTS Band II

Date: 2/6/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7836

Configuration: Mobile Hot Spot MSL - UMTS II

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

Frequency: 1852.4 MHz

Medium Parameters used: $f=1852.4$ MHz; $\sigma = 1.520$ S/m; $\epsilon_r = 52.149$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.59,4.59,4.59); Calibrated: 3/10/2014;
- 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 - UMTS II/10mm Device Back - UMTS

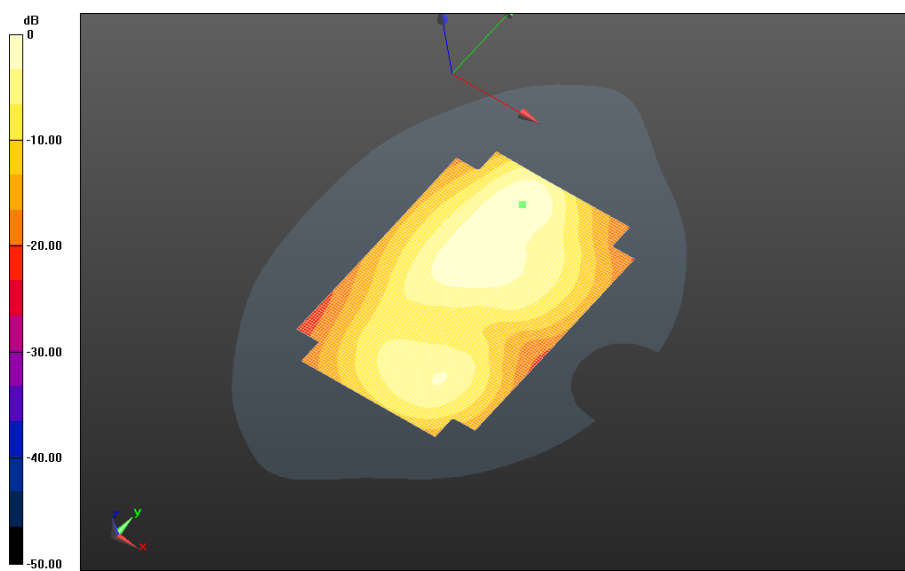
II_chan9262_amb_temp_23.5C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.419 V/m; **Power Drift = -0.182 dB**

Fast SAR: SAR(1g) = 0.560 W/kg; SAR(10g) = 0.317 W/kg

Maximum value of SAR (interpolated) = 0.644 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

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Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

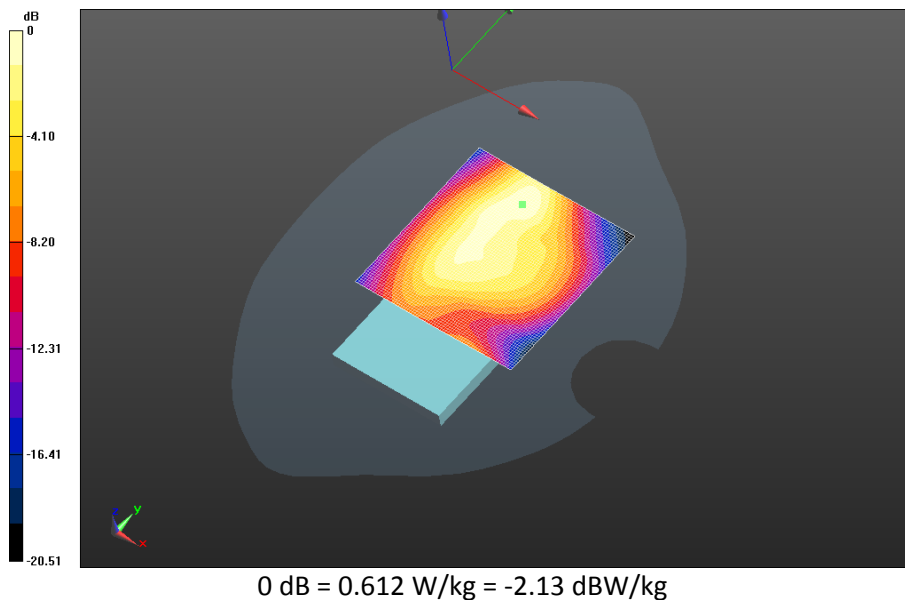
II_chan9400_amb_temp_23.4C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.215 V/m; **Power Drift = 0.00853 dB**

Fast SAR: SAR(1g) = 0.539 W/kg; SAR(10g) = 0.307 W/kg

Maximum value of SAR (interpolated) = 0.612 W/kg



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Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

II_chan9538_amb_temp_23.6C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.332 V/m; **Power Drift = -0.016 dB**

Fast SAR: SAR(1g) = 0.568 W/kg; SAR(10g) = 0.314 W/kg

Maximum value of SAR (interpolated) = 0.649 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS

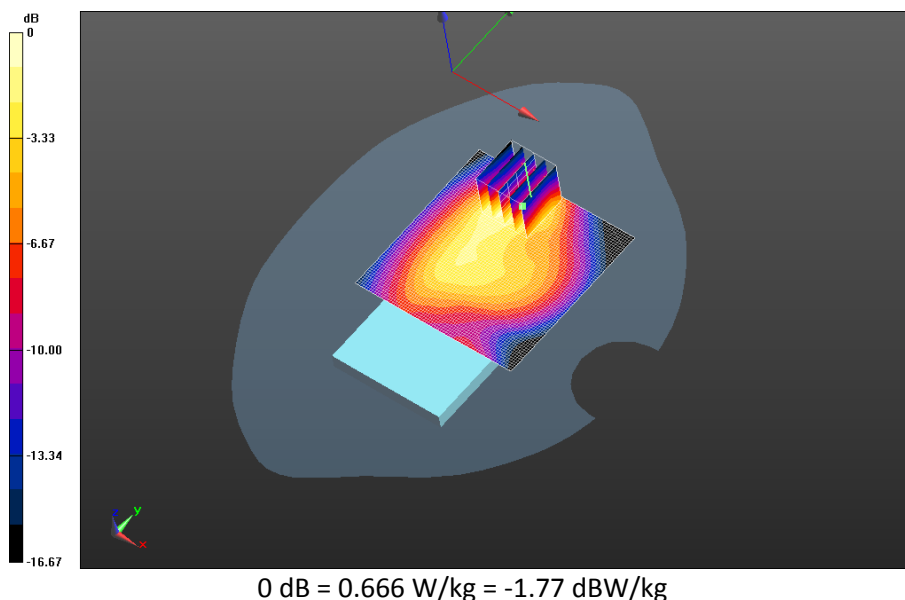
II_chan9538_amb_temp_23.6C_liq_temp_21.2C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 14.332 V/m; **Power Drift = -0.016 dB**

Averaged SAR: SAR(1g) = 0.593 W/kg; SAR(10g) = 0.320 W/kg

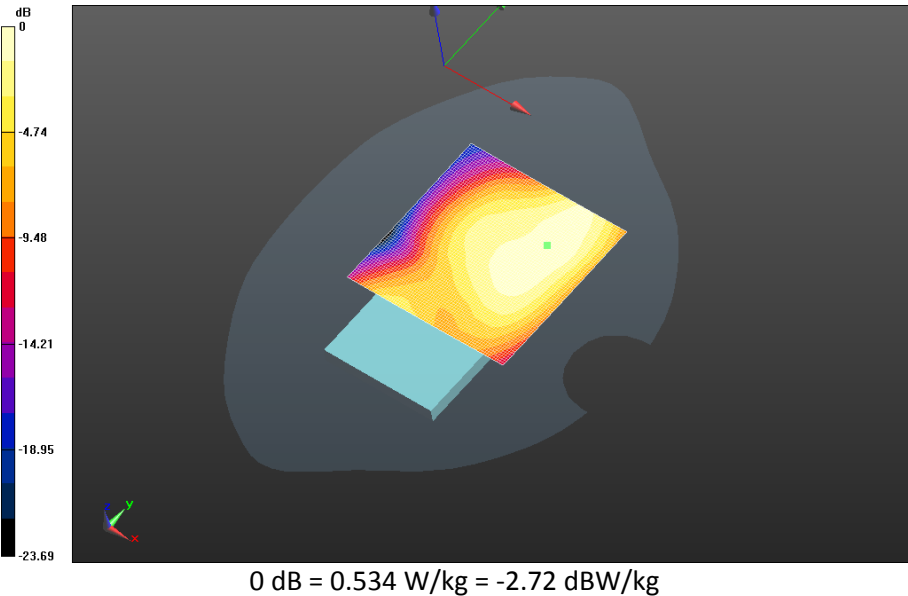
Maximum value of SAR (interpolated) = 1.07 W/kg



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Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS
II_chan9400_amb_temp_23.5C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.600 V/m; **Power Drift = -0.085 dB**

Fast SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.301 W/kg
Maximum value of SAR (interpolated) = 0.534 W/kg



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Mobile Hot Spot MSL - UMTS II/10mm Device Left - UMTS

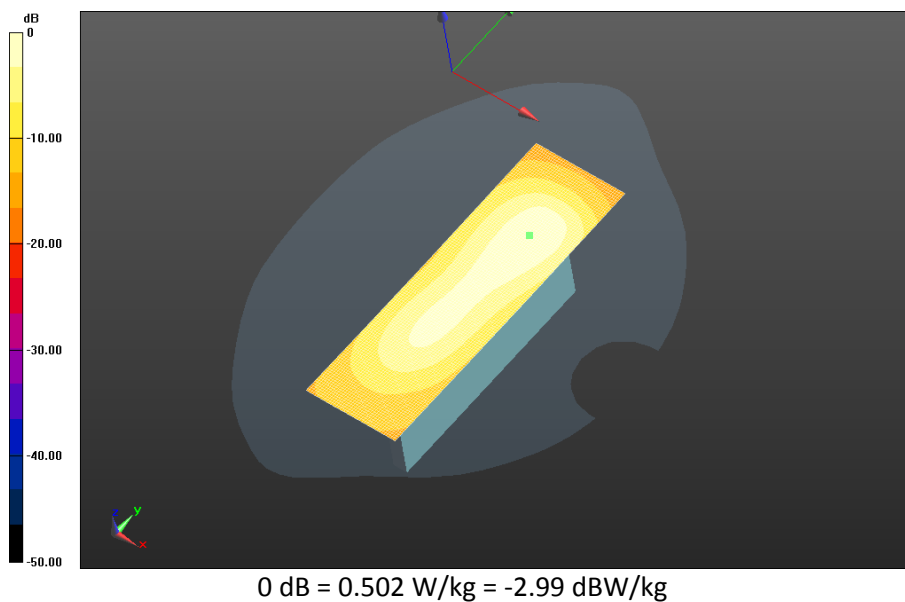
II_chan9400_amb_temp_23.4C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 15.123 V/m; **Power Drift = 0.107 dB**

Fast SAR: SAR(1g) = 0.421 W/kg; SAR(10g) = 0.250 W/kg

Maximum value of SAR (interpolated) = 0.502 W/kg



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Mobile Hot Spot MSL - UMTS II/10mm Device Bottom - UMTS

II_chan9400_amb_temp_23.8C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 10.939 V/m; **Power Drift = -0.082 dB**

Fast SAR: SAR(1g) = 0.249 W/kg; SAR(10g) = 0.132 W/kg

Maximum value of SAR (interpolated) = 0.299 W/kg

