APPENDIX C2: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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LTE Band 13

Date: 2/26/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7A1D

Configuration: Body Worn MSL - LTE Band 13

Communication System: LTE band 13 (0); Communication System Band: LTE band 13; Frequency: 782 MHz
Medium Parameters used: f=782 MHz; σ = 0.983 S/m; ε_r = 53.798; ρ = 1.000 g/cm^3
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)

Body Worn MSL - LTE Band 13/15mm Device Back - LTE band 13_chan23230_10MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_20.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.854 V/m; **Power Drift = 0.057 dB**

Fast SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.346 W/kg
Maximum value of SAR (interpolated) = 0.520 W/kg

Body Worn MSL - LTE Band 13/15mm Device Back - LTE band 13_chan23230_10MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_20.8C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 22.854 V/m; **Power Drift = 0.057 dB**

Averaged SAR: SAR(1g) = 0.502 W/kg; SAR(10g) = 0.377 W/kg
Maximum value of SAR (interpolated) = 0.647 W/kg

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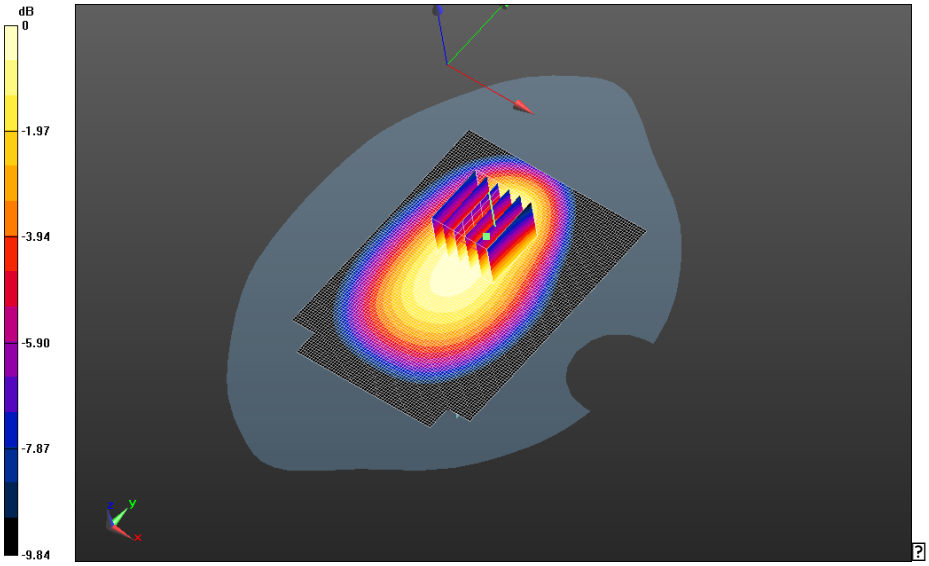

0 dB = 0.528 W/kg = -2.77 dBW/kg

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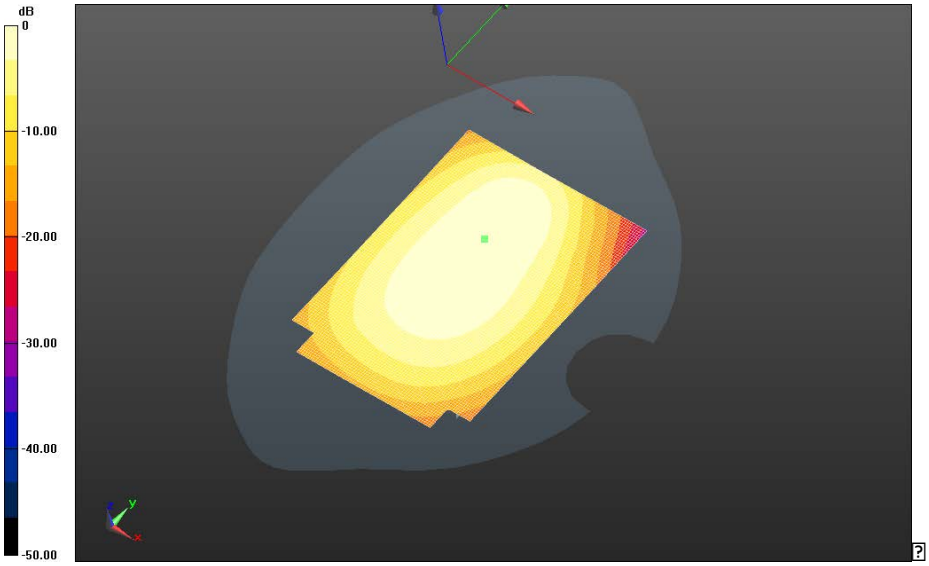
Body Worn MSL - LTE Band 13/15mm Device Back - LTE band 13_chan23230_10MHz_BW_RB25_Offset_Low_amb_temp_24.0C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.268 V/m; **Power Drift = -0.059 dB**

Fast SAR: SAR(1g) = 0.385 W/kg; SAR(10g) = 0.271 W/kg
Maximum value of SAR (interpolated) = 0.406 W/kg



0 dB = 0.406 W/kg = -3.91 dBW/kg

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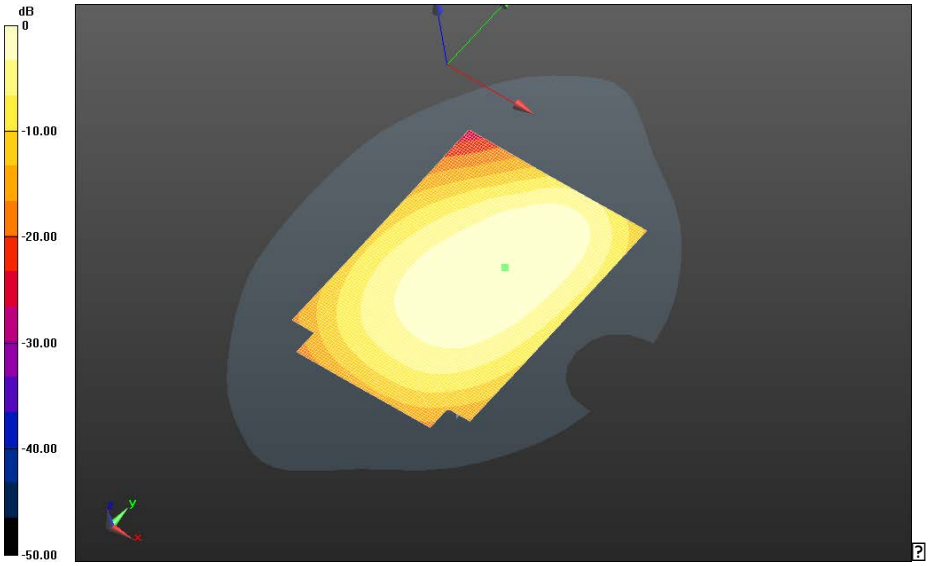
Body Worn MSL - LTE Band 13/15mm Device Front - LTE band 13_chan23230_10MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.712 V/m; **Power Drift = -0.033 dB**

Fast SAR: SAR(1g) = 0.446 W/kg; SAR(10g) = 0.316 W/kg
Maximum value of SAR (interpolated) = 0.472 W/kg



0 dB = 0.472 W/kg = -3.26 dBW/kg

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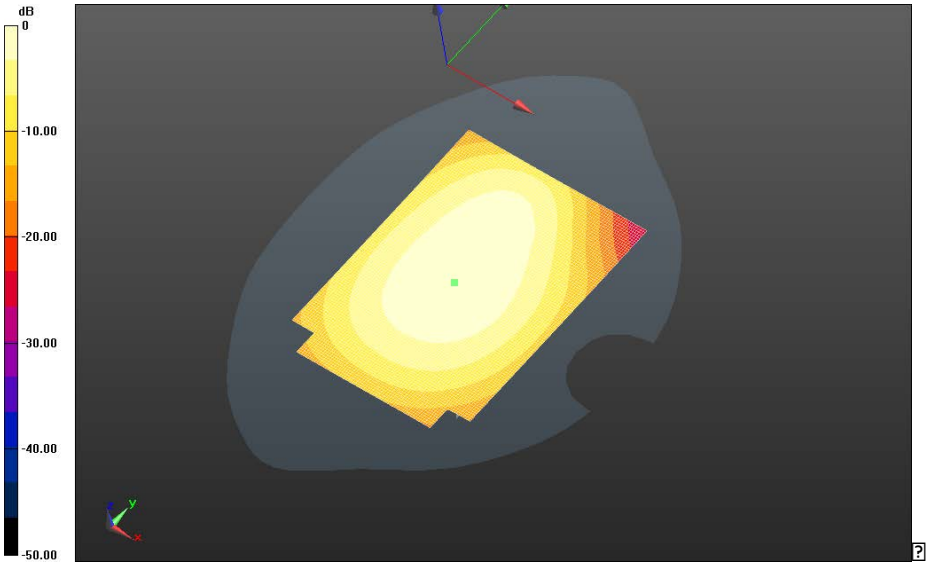
Body Worn MSL - LTE Band 13/Holster Device Back - LTE band 13_chan23230_10MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_20.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.250 V/m; **Power Drift = -0.00833 dB**

Fast SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.284 W/kg
Maximum value of SAR (interpolated) = 0.426 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

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LTE Band 17

Date: 2/26/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - LTE Band 17

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 709 MHz
Medium Parameters used: f=709 MHz; σ = 0.915 S/m; ε_r = 54.605; ρ = 1.000 g/cm^3
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)

Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.9C/Area Scan (121x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.616 V/m; **Power Drift = -0.018 dB**

Fast SAR: SAR(1g) = 0.317 W/kg; SAR(10g) = 0.225 W/kg
Maximum value of SAR (interpolated) = 0.323 W/kg

Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.9C/Zoom Scan (21x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 18.616 V/m; **Power Drift = -0.018 dB**

Averaged SAR: SAR(1g) = 0.315 W/kg; SAR(10g) = 0.239 W/kg
Maximum value of SAR (interpolated) = 0.385 W/kg

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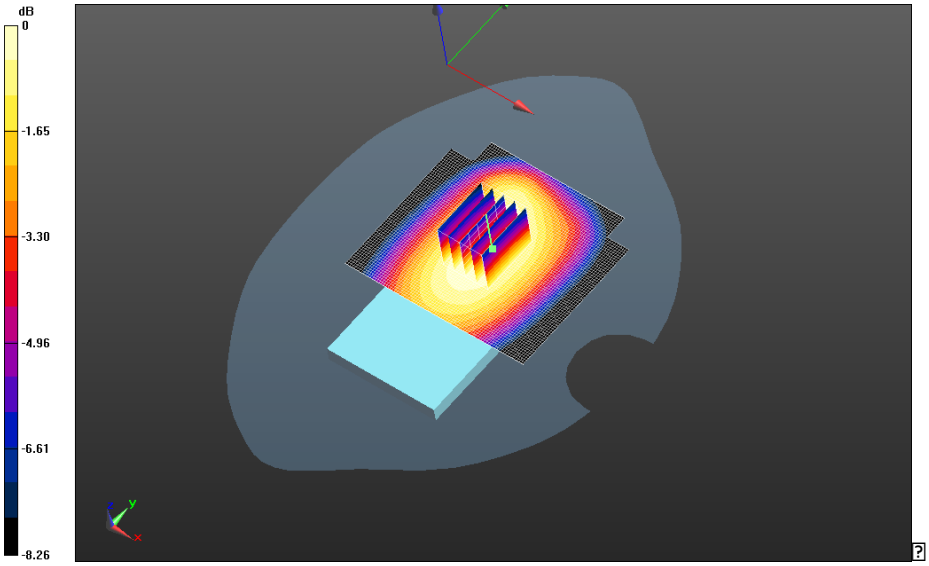

0 dB = 0.320 W/kg = -4.95 dBW/kg

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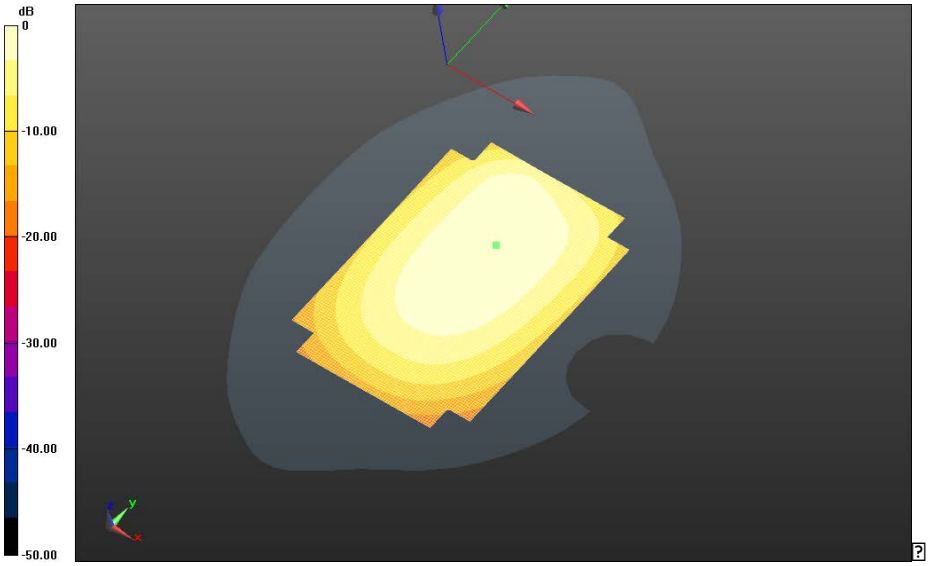
Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.969 V/m; **Power Drift = 0.067 dB**

Fast SAR: SAR(1g) = 0.301 W/kg; SAR(10g) = 0.214 W/kg
Maximum value of SAR (interpolated) = 0.307 W/kg



0 dB = 0.307 W/kg = -5.13 dBW/kg

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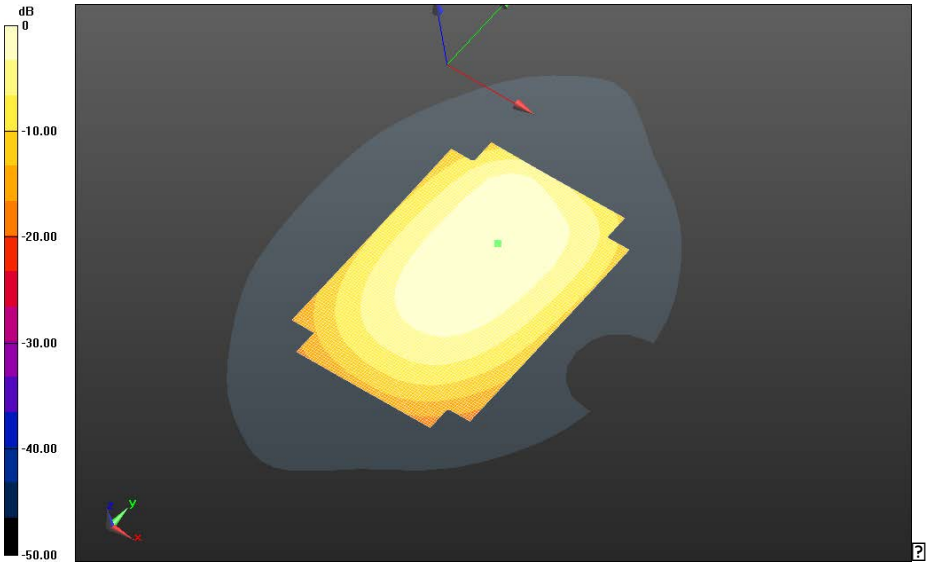
Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.484 V/m; **Power Drift = -0.038 dB**

Fast SAR: SAR(1g) = 0.280 W/kg; SAR(10g) = 0.198 W/kg
Maximum value of SAR (interpolated) = 0.286 W/kg



0 dB = 0.286 W/kg = -5.44 dBW/kg

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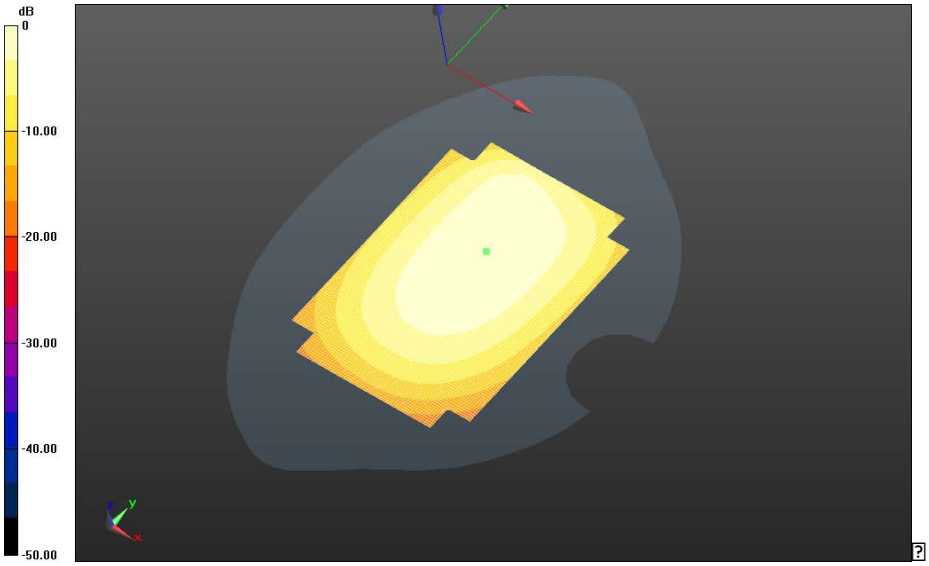
Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17_chan23780_10MHz_BW_RB25_Offset_High_amb_temp_23.7C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.429 V/m; **Power Drift = 0.027 dB**

Fast SAR: SAR(1g) = 0.252 W/kg; SAR(10g) = 0.179 W/kg
Maximum value of SAR (interpolated) = 0.258 W/kg



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

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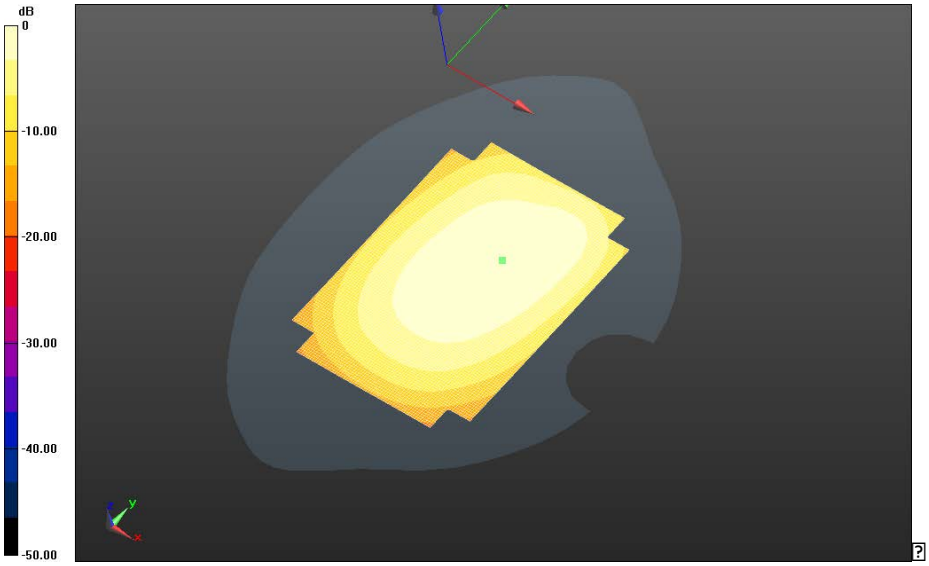
Body Worn MSL - LTE Band 17/15mm Device Front - LTE band 17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.344 V/m; **Power Drift = 0.016 dB**

Fast SAR: SAR(1g) = 0.243 W/kg; SAR(10g) = 0.172 W/kg
Maximum value of SAR (interpolated) = 0.248 W/kg



0 dB = 0.248 W/kg = -6.06 dBW/kg

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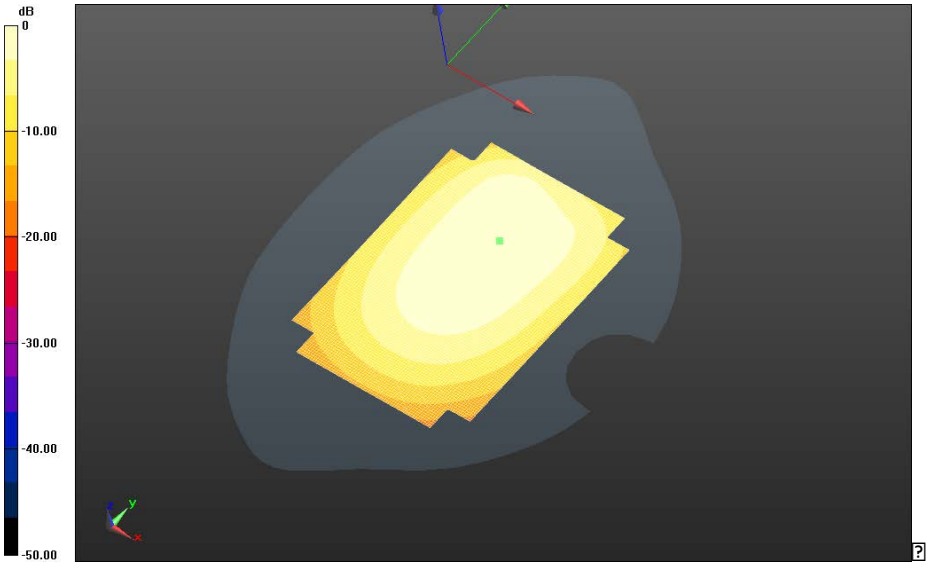
Body Worn MSL - LTE Band 17/Holster Device Back - LTE band 17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_20.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.319 V/m; **Power Drift = -0.040 dB**

Fast SAR: SAR(1g) = 0.243 W/kg; SAR(10g) = 0.172 W/kg
Maximum value of SAR (interpolated) = 0.248 W/kg



0 dB = 0.248 W/kg = -6.06 dBW/kg

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LTE Band 5

Date: 2/26/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - LTE Band 5

Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; σ = 0.961 S/m; ε_r = 52.791; ρ = 1.000 g/cm^3
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)

Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_20.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.335 V/m; **Power Drift = -0.021 dB**

Fast SAR: SAR(1g) = 0.412 W/kg; SAR(10g) = 0.288 W/kg
Maximum value of SAR (interpolated) = 0.438 W/kg

Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (26x36x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 21.335 V/m; **Power Drift = -0.021 dB**

Averaged SAR: SAR(1g) = 0.416 W/kg; SAR(10g) = 0.310 W/kg
Maximum value of SAR (interpolated) = 0.543 W/kg

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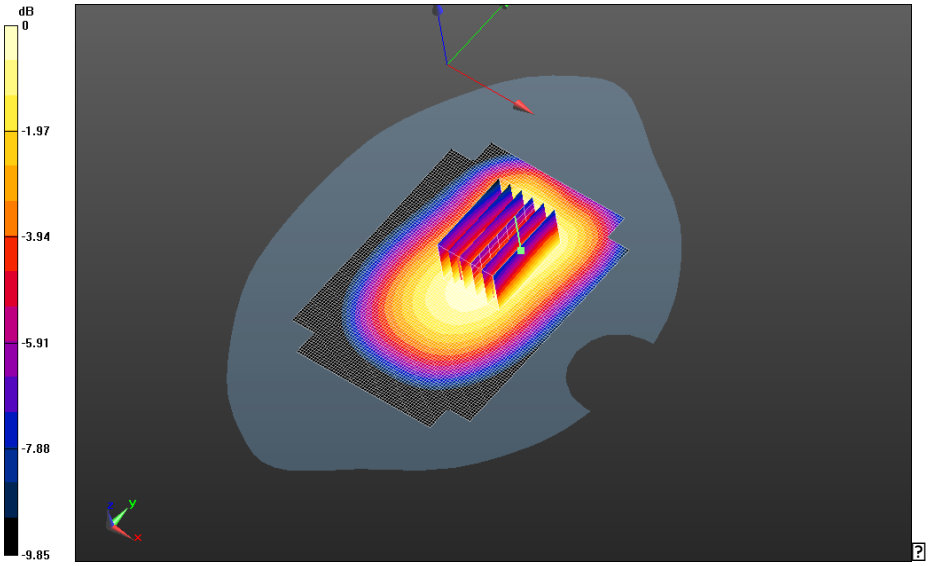

0 dB = 0.438 W/kg = -3.59 dBW/kg

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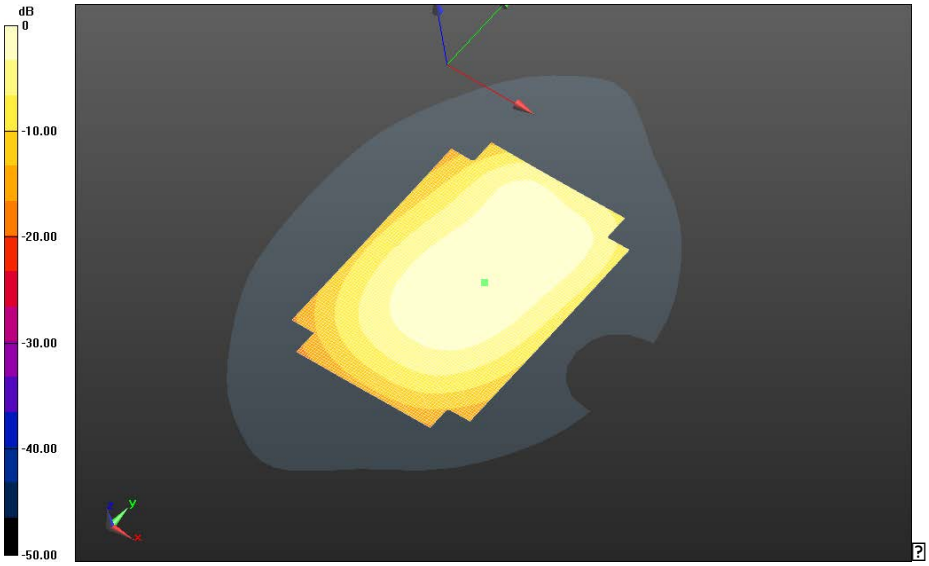
Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20525_10MHz_BW_RB1_Offset_Low_amb_temp_23.6C_liq_temp_20.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.361 V/m; **Power Drift = -0.019 dB**

Fast SAR: SAR(1g) = 0.297 W/kg; SAR(10g) = 0.209 W/kg
Maximum value of SAR (interpolated) = 0.314 W/kg



0 dB = 0.314 W/kg = -5.03 dBW/kg

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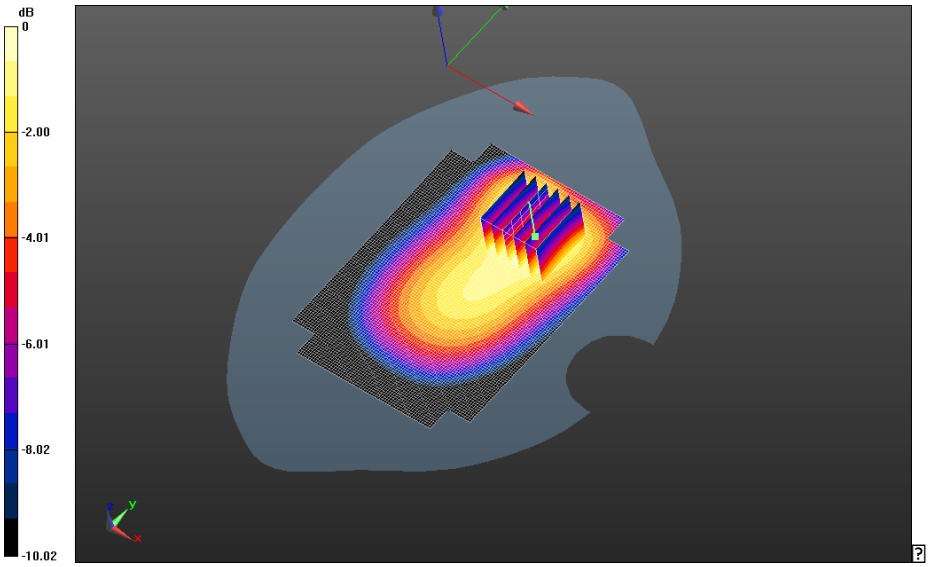
Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20600_10MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.714 V/m; **Power Drift = 0.028 dB**

Fast SAR: SAR(1g) = 0.416 W/kg; SAR(10g) = 0.288 W/kg
Maximum value of SAR (interpolated) = 0.442 W/kg

Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20600_10MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.7C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 18.714 V/m; **Power Drift = 0.028 dB**

Averaged SAR: SAR(1g) = 0.418 W/kg; SAR(10g) = 0.298 W/kg
Maximum value of SAR (interpolated) = 0.559 W/kg



0 dB = 0.443 W/kg = -3.54 dBW/kg

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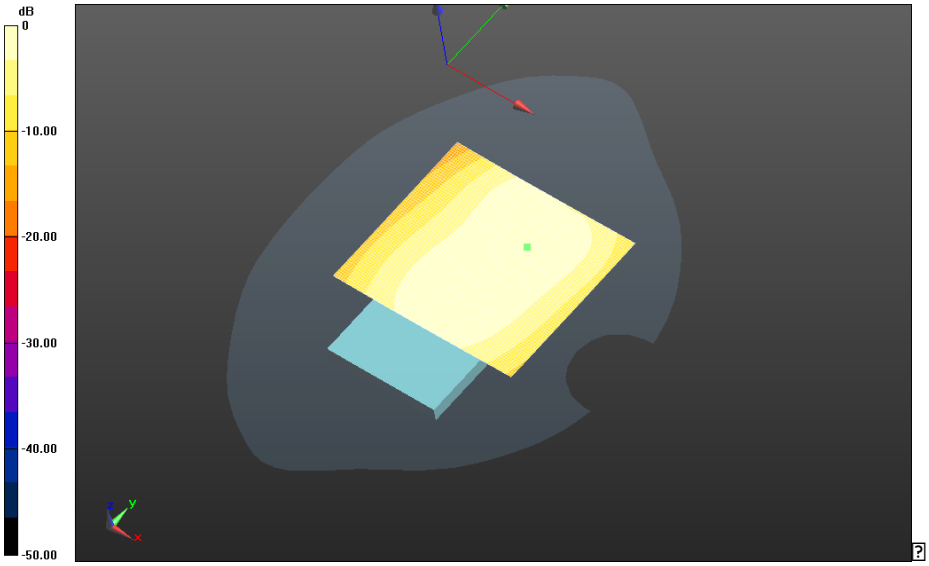
Body Worn MSL - LTE Band 5/15mm Device Back - LTE band 5_chan20525_10MHz_BW_RB25_Offset_Low_amb_temp_23.7C_liq_temp_20.6C/Area Scan (121x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.617 V/m; **Power Drift = -0.087 dB**

Fast SAR: SAR(1g) = 0.281 W/kg; SAR(10g) = 0.195 W/kg
Maximum value of SAR (interpolated) = 0.300 W/kg



0 dB = 0.300 W/kg = -5.23 dBW/kg

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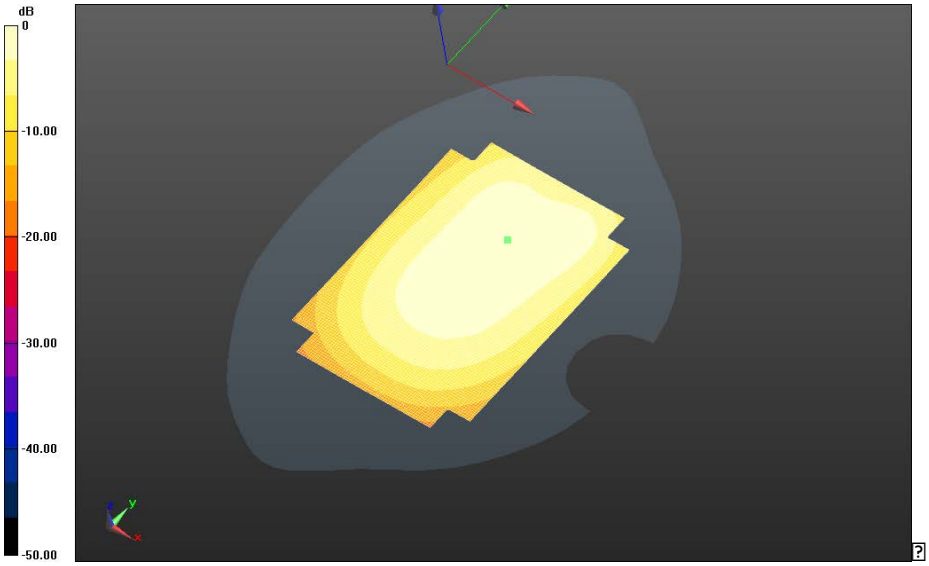
Body Worn MSL - LTE Band 5/15mm Device Front - LTE band 5_chan20600_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_20.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.381 V/m; **Power Drift = -0.037 dB**

Fast SAR: SAR(1g) = 0.355 W/kg; SAR(10g) = 0.248 W/kg
Maximum value of SAR (interpolated) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

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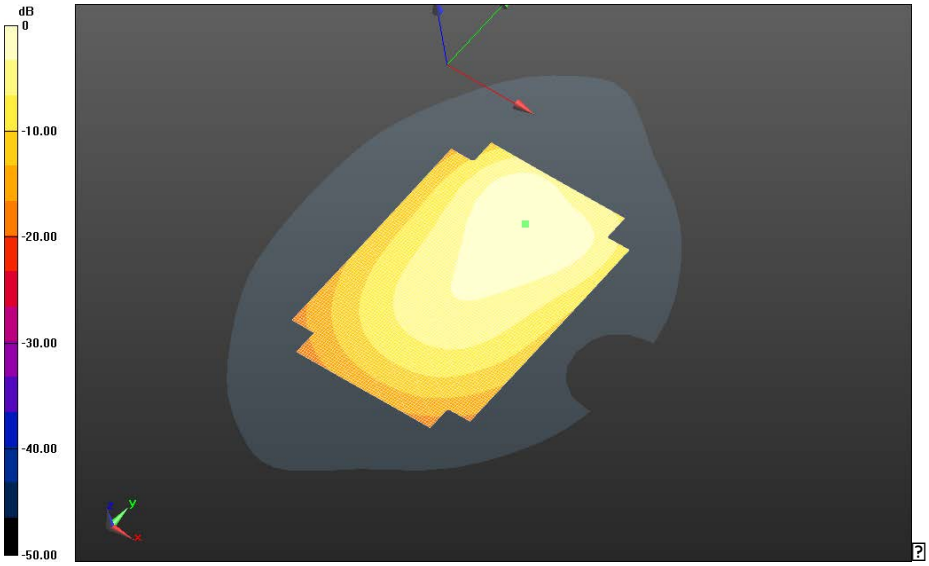
Body Worn MSL - LTE Band 5/Holster Device Back - LTE band 5_chan20600_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_20.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.057 V/m; **Power Drift = -0.110 dB**

Fast SAR: SAR(1g) = 0.381 W/kg; SAR(10g) = 0.263 W/kg
Maximum value of SAR (interpolated) = 0.406 W/kg



0 dB = 0.406 W/kg = -3.91 dBW/kg

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GSM 850

Date: 2/25/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn 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; σ = 0.956 S/m; ε_r = 52.831; ρ = 1.000 g/cm^3
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)

Body Worn MSL - GPRS 850/15mm Device Back - GPRS 850_3-Slot_chan128_amb_temp_23.9C_liq_temp_21.0C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 29.458 V/m; **Power Drift = -0.099 dB**

Fast SAR: SAR(1g) = 0.730 W/kg; SAR(10g) = 0.514 W/kg
Maximum value of SAR (interpolated) = 0.770 W/kg

Body Worn MSL - GPRS 850/15mm Device Back - GPRS 850_3-Slot_chan128_amb_temp_23.9C_liq_temp_21.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 29.458 V/m; **Power Drift = -0.099 dB**

Averaged SAR: SAR(1g) = 0.722 W/kg; SAR(10g) = 0.552 W/kg
Maximum value of SAR (interpolated) = 0.883 W/kg

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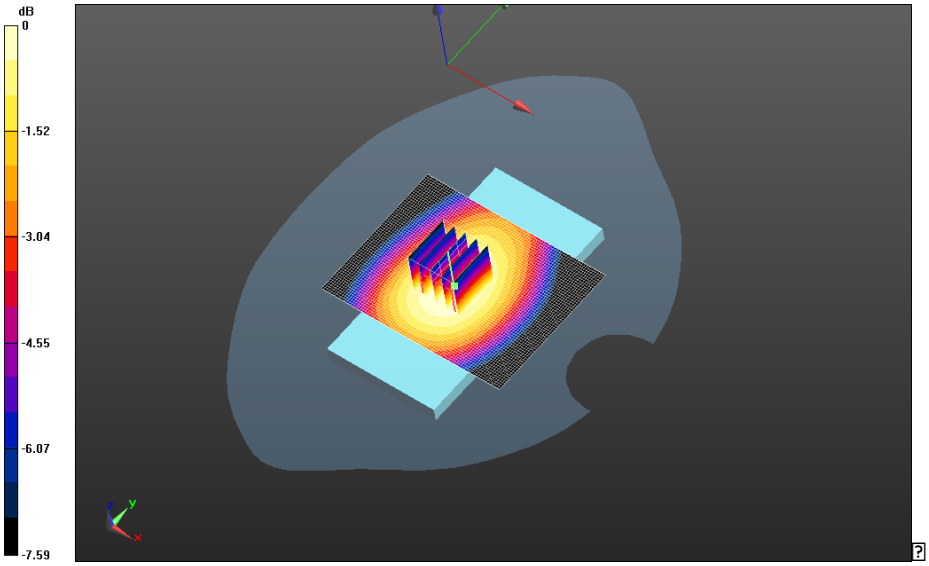

0 dB = 0.754 W/kg = -1.23 dBW/kg

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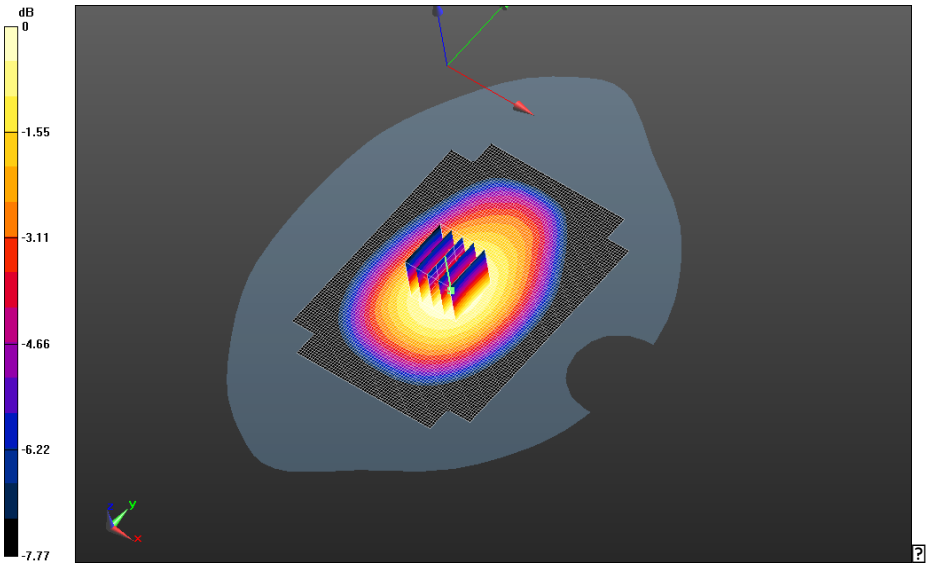
Body Worn MSL - GPRS 850/15mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_24.1C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 29.170 V/m; **Power Drift = -0.124 dB**

Fast SAR: SAR(1g) = 0.722 W/kg; SAR(10g) = 0.508 W/kg
Maximum value of SAR (interpolated) = 0.763 W/kg

Body Worn MSL - GPRS 850/15mm Device Back - GPRS 850_3-Slot_chan190_amb_temp_24.1C_liq_temp_21.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 29.170 V/m; **Power Drift = -0.124 dB**

Averaged SAR: SAR(1g) = 0.719 W/kg; SAR(10g) = 0.548 W/kg
Maximum value of SAR (interpolated) = 0.887 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

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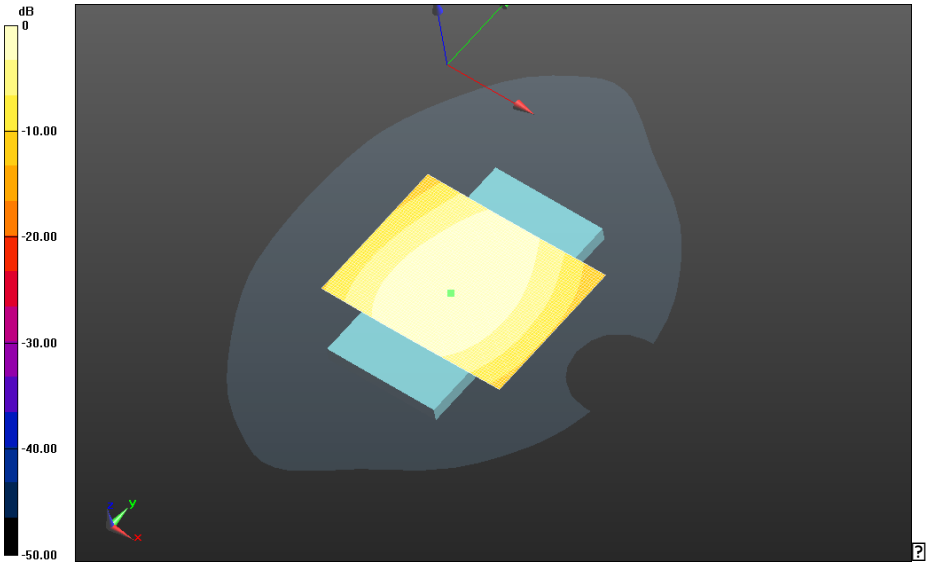
Body Worn MSL - GPRS 850/15mm Device Back - GPRS 850_3-Slot_chan251_amb_temp_23.8C_liq_temp_21.0C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.860 V/m; **Power Drift = -0.059 dB**

Fast SAR: SAR(1g) = 0.588 W/kg; SAR(10g) = 0.413 W/kg
Maximum value of SAR (interpolated) = 0.621 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

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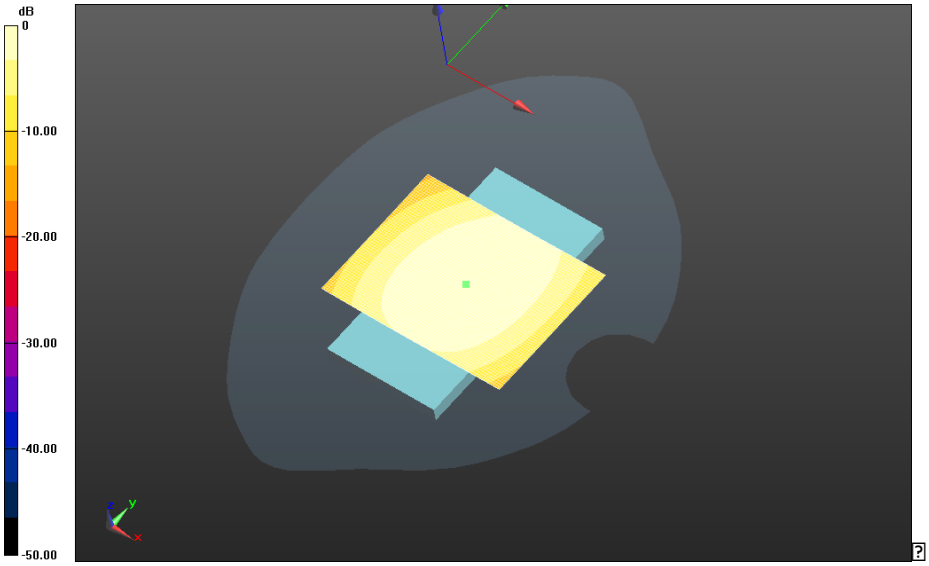
Body Worn MSL - GPRS 850/15mm Device Front - GPRS 850_3-Slot_chan128_amb_temp_24.1C_liq_temp_20.9C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 28.181 V/m; **Power Drift = -0.120 dB**

Fast SAR: SAR(1g) = 0.656 W/kg; SAR(10g) = 0.465 W/kg
Maximum value of SAR (interpolated) = 0.694 W/kg



0 dB = 0.694 W/kg = -1.59 dBW/kg

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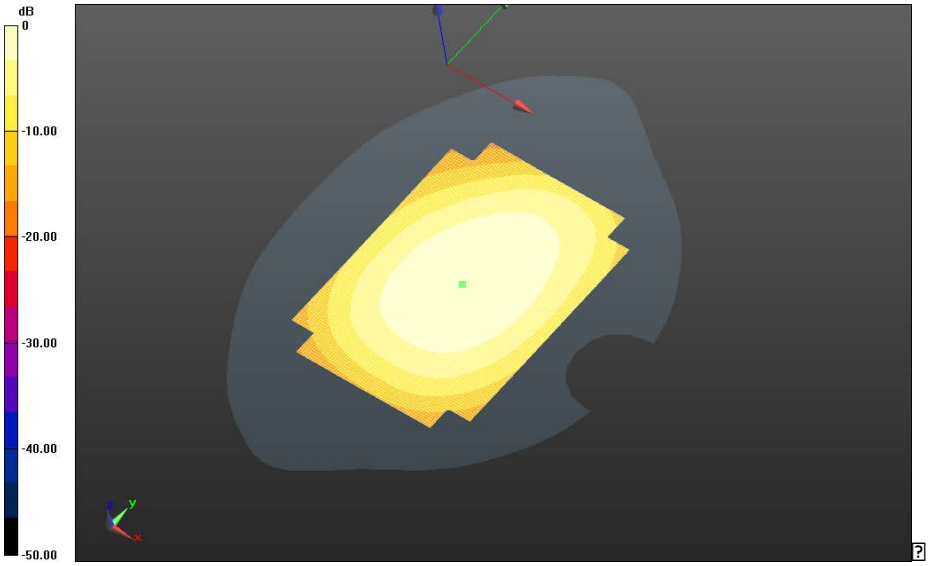
Body Worn MSL - GPRS 850/15mm Device Front - GPRS 850_3-Slot_chan190_amb_temp_23.7C_liq_temp_20.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.734 V/m; **Power Drift = 0.186 dB**

Fast SAR: SAR(1g) = 0.619 W/kg; SAR(10g) = 0.437 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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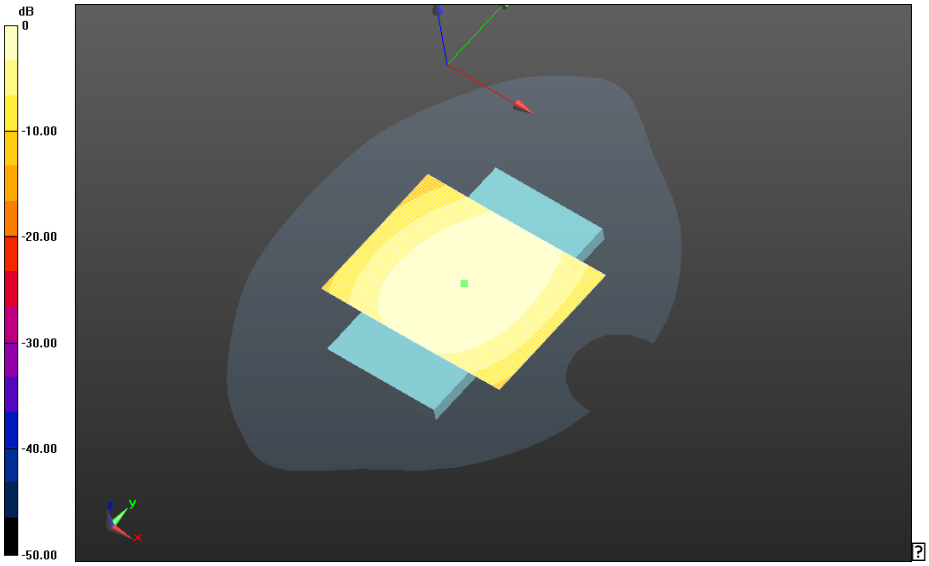
Body Worn MSL - GPRS 850/15mm Device Front - GPRS 850_3-Slot_chan251_amb_temp_23.8C_liq_temp_20.8C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.492 V/m; **Power Drift = -0.043 dB**

Fast SAR: SAR(1g) = 0.515 W/kg; SAR(10g) = 0.365 W/kg
Maximum value of SAR (interpolated) = 0.544 W/kg



0 dB = 0.544 W/kg = -2.64 dBW/kg

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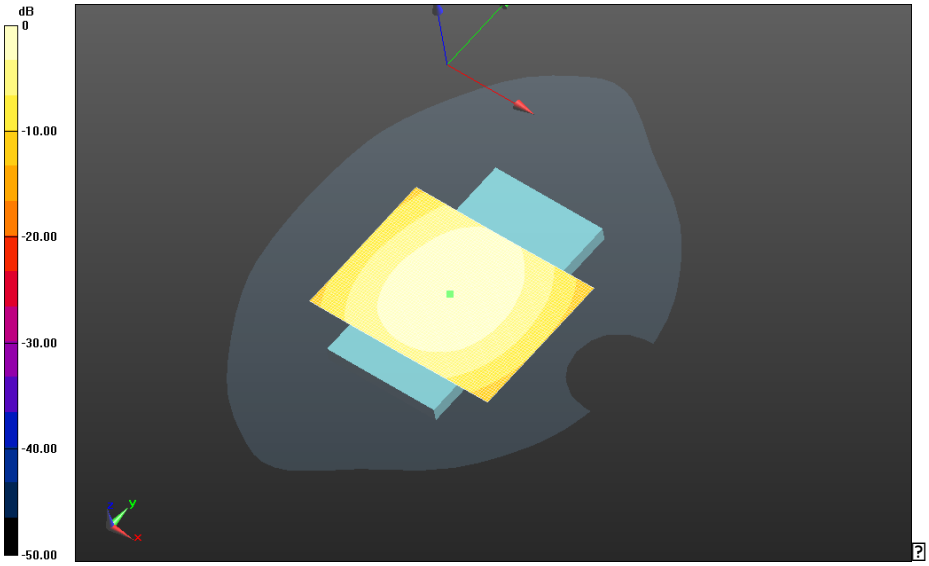
Body Worn MSL - GPRS 850/Holster Device Back - GPRS 850_3-Slot_chan128_amb_temp_23.9C_liq_temp_21.0C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 27.556 V/m; **Power Drift = -0.172 dB**

Fast SAR: SAR(1g) = 0.646 W/kg; SAR(10g) = 0.454 W/kg
Maximum value of SAR (interpolated) = 0.682 W/kg



0 dB = 0.682 W/kg = -1.66 dBW/kg

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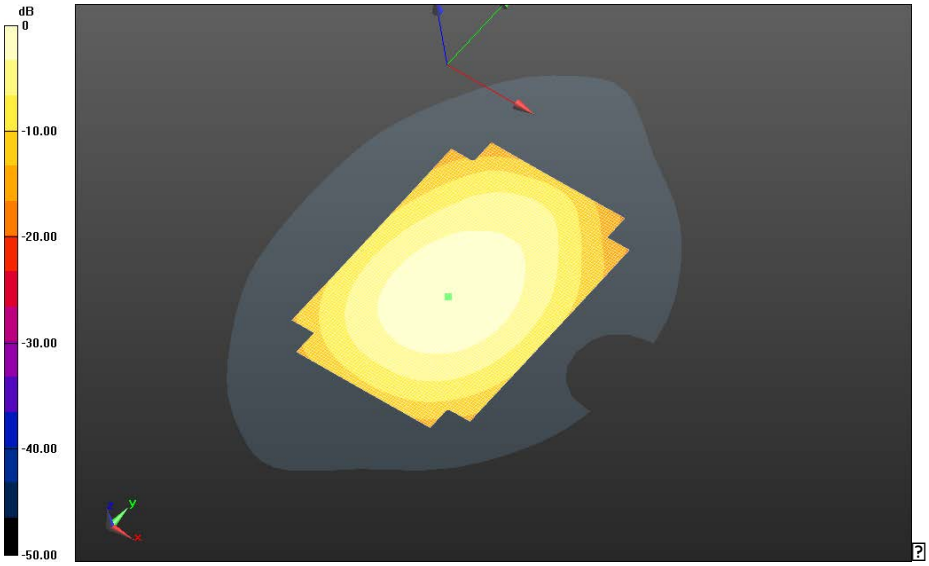
Body Worn MSL - GPRS 850/Holster Device Back - GPRS 850_3-Slot_chan190_amb_temp_23.8C_liq_temp_20.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.602 V/m; **Power Drift = 0.055 dB**

Fast SAR: SAR(1g) = 0.630 W/kg; SAR(10g) = 0.440 W/kg
Maximum value of SAR (interpolated) = 0.666 W/kg



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

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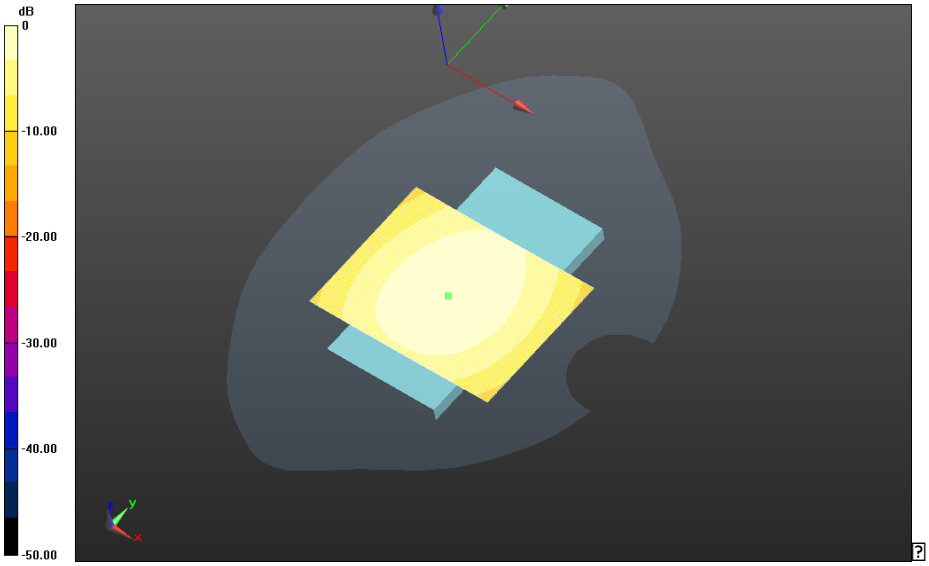
Body Worn MSL - GPRS 850/Holster Device Back - GPRS 850_3-Slot_chan251_amb_temp_23.8C_liq_temp_21.0C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.178 V/m; **Power Drift = -0.157 dB**

Fast SAR: SAR(1g) = 0.483 W/kg; SAR(10g) = 0.337 W/kg
Maximum value of SAR (interpolated) = 0.511 W/kg



0 dB = 0.511 W/kg = -2.92 dBW/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: Body Worn 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; σ = 0.958 S/m; ε_r = 52.817; ρ = 1.000 g/cm^3
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)

Body Worn MSL - UMTS V/15mm Device Back - UMTS V_chan4132_amb_temp_23.6C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.578 V/m; **Power Drift = 0.035 dB**

Fast SAR: SAR(1g) = 0.404 W/kg; SAR(10g) = 0.285 W/kg
Maximum value of SAR (interpolated) = 0.427 W/kg

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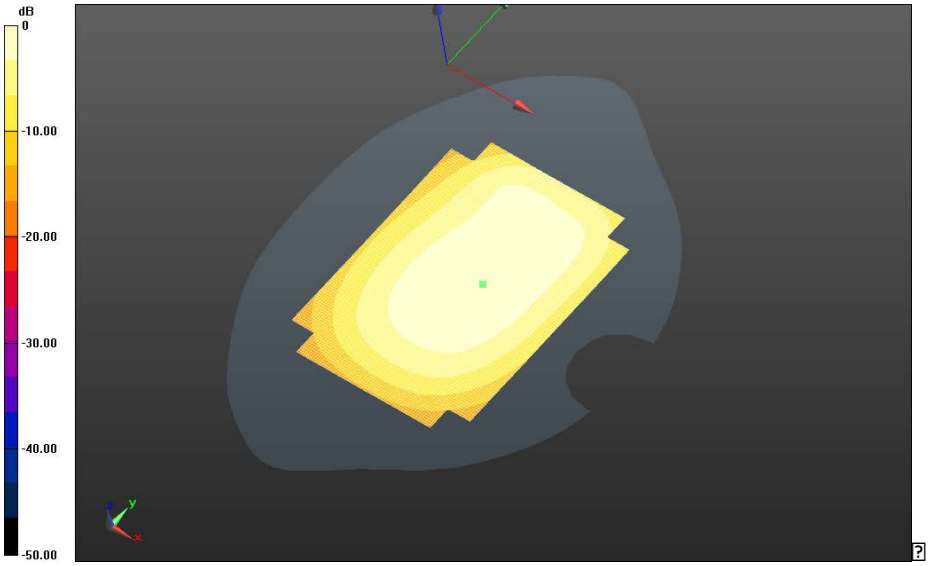

0 dB = 0.427 W/kg = -3.70 dBW/kg

Body Worn MSL - UMTS V/15mm Device Back - UMTS V_chan4182_amb_temp_23.7C_liq_temp_21.0C/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.873 V/m; **Power Drift = 0.00824 dB**

Fast SAR: SAR(1g) = 0.494 W/kg; SAR(10g) = 0.343 W/kg
Maximum value of SAR (interpolated) = 0.526 W/kg

Body Worn MSL - UMTS V/15mm Device Back - UMTS V_chan4182_amb_temp_23.7C_liq_temp_21.0C/Zoom Scan (21x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 22.873 V/m; **Power Drift = 0.00824 dB**

Averaged SAR: SAR(1g) = 0.499 W/kg; SAR(10g) = 0.365 W/kg
Maximum value of SAR (interpolated) = 0.669 W/kg

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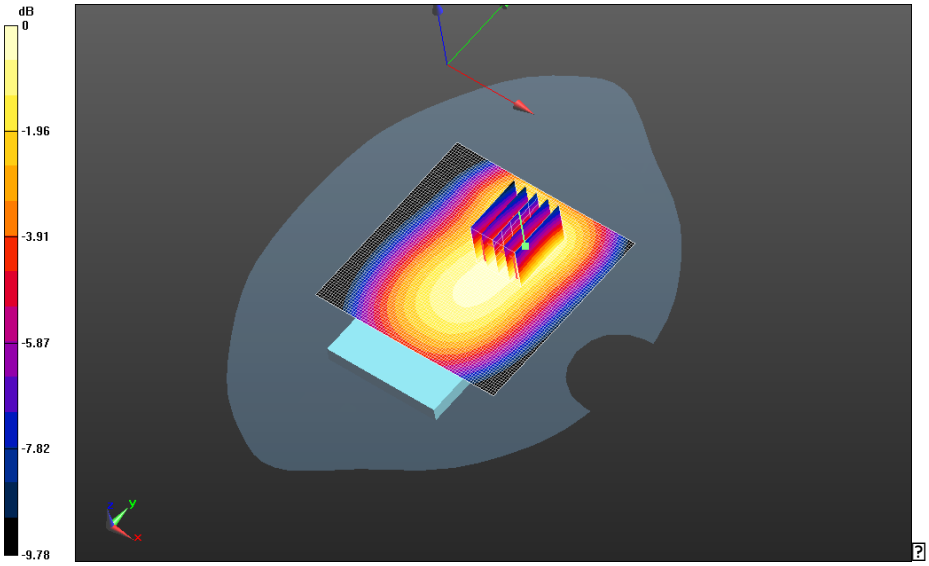

0 dB = 0.531 W/kg = -2.75 dBW/kg

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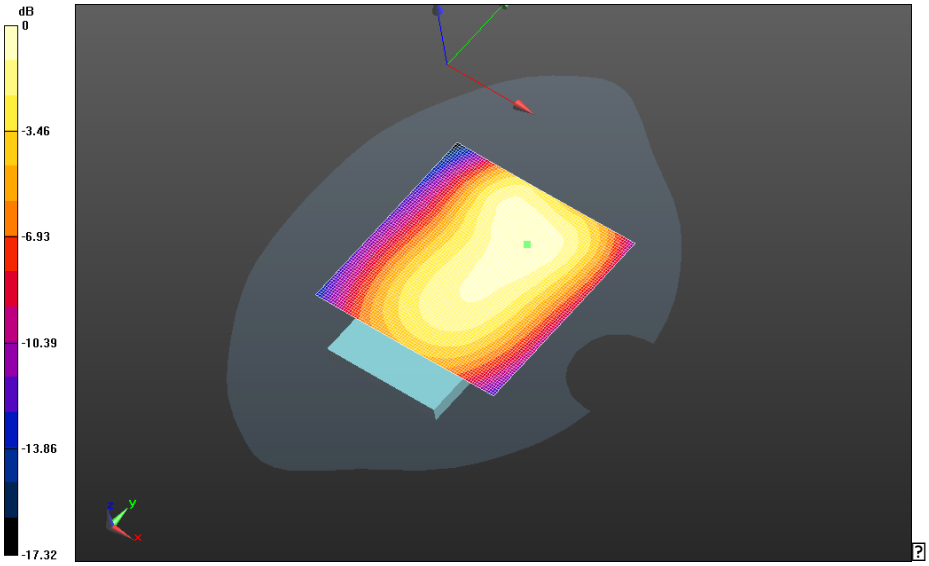
Body Worn MSL - UMTS V/15mm Device Back - UMTS V_chan4233_amb_temp_23.5C_liq_temp_21.0C/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 19.719 V/m; **Power Drift = -0.042 dB**

Fast SAR: SAR(1g) = 0.429 W/kg; SAR(10g) = 0.296 W/kg
Maximum value of SAR (interpolated) = 0.458 W/kg



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

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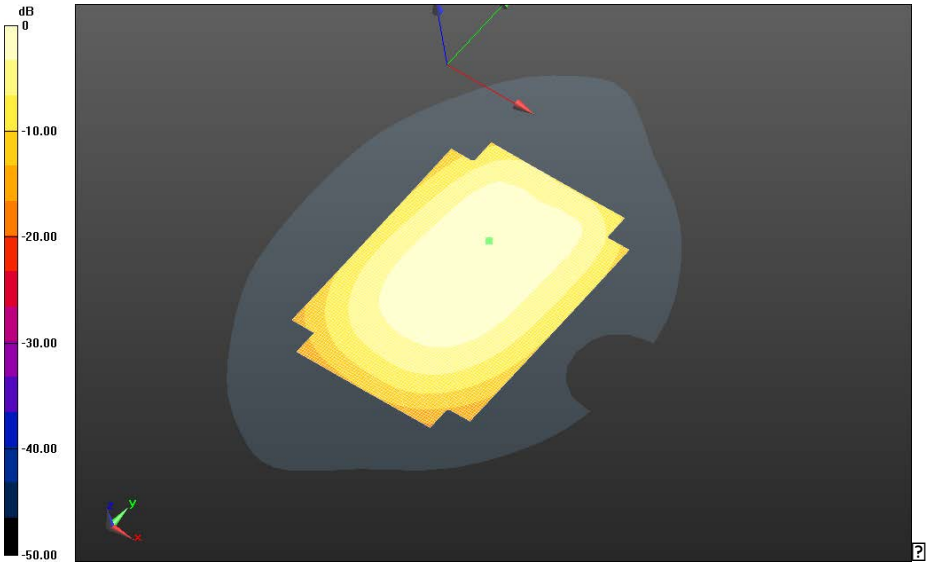
Body Worn MSL - UMTS V/15mm Device Front - UMTS V_chan4182_amb_temp_23.6C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.633 V/m; **Power Drift = 0.00926 dB**

Fast SAR: SAR(1g) = 0.466 W/kg; SAR(10g) = 0.329 W/kg
Maximum value of SAR (interpolated) = 0.493 W/kg



0 dB = 0.493 W/kg = -3.07 dBW/kg

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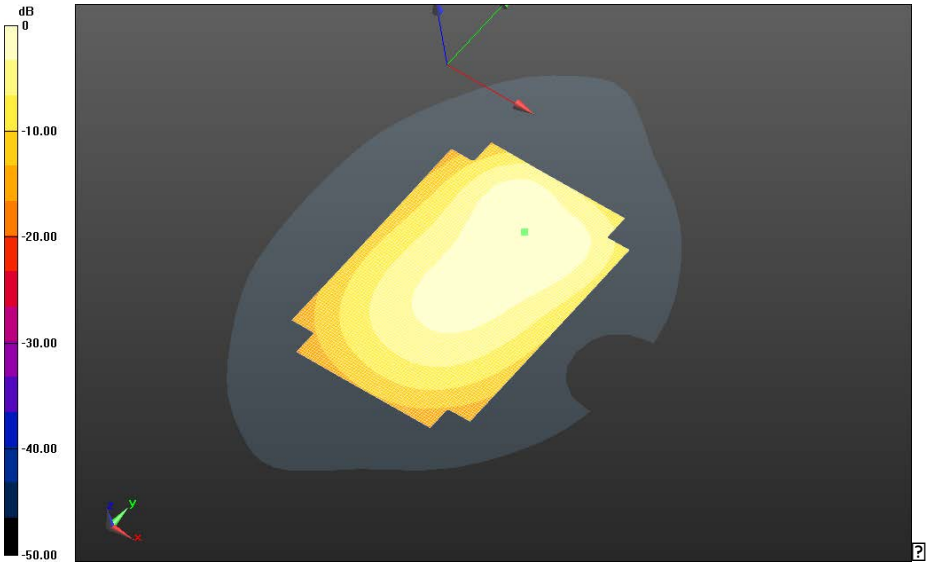
Body Worn MSL - UMTS V/Holster Device Back - UMTS V_chan4182_amb_temp_23.5C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 19.006 V/m; **Power Drift = -0.117 dB**

Fast SAR: SAR(1g) = 0.444 W/kg; SAR(10g) = 0.308 W/kg
Maximum value of SAR (interpolated) = 0.468 W/kg



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

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LTE Band 4

Date: 2/18/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - LTE band 4

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.497 S/m; ε_r = 51.824; ρ = 1.000 g/cm^3
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)

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.331 V/m; **Power Drift = -0.060 dB**

Fast SAR: SAR(1g) = 0.577 W/kg; SAR(10g) = 0.362 W/kg
Maximum value of SAR (interpolated) = 0.620 W/kg

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_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 = 12.331 V/m; **Power Drift = -0.060 dB**

Averaged SAR: SAR(1g) = 0.577 W/kg; SAR(10g) = 0.388 W/kg
Maximum value of SAR (interpolated) = 0.768 W/kg

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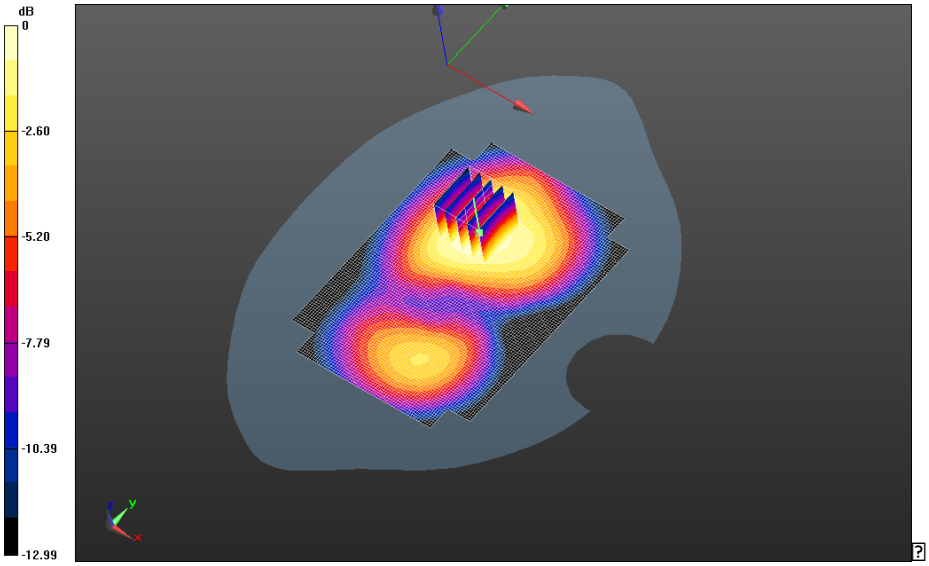

0 dB = 0.621 W/kg = -2.07 dBW/kg

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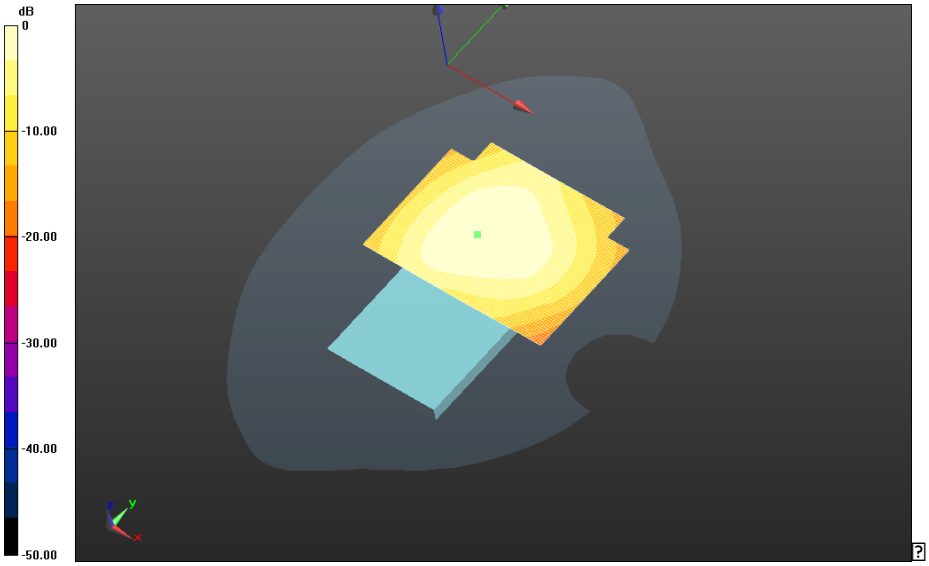
Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20175_20MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_21.7C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.048 V/m; **Power Drift = -0.015 dB**

Fast SAR: SAR(1g) = 0.516 W/kg; SAR(10g) = 0.324 W/kg
Maximum value of SAR (interpolated) = 0.556 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

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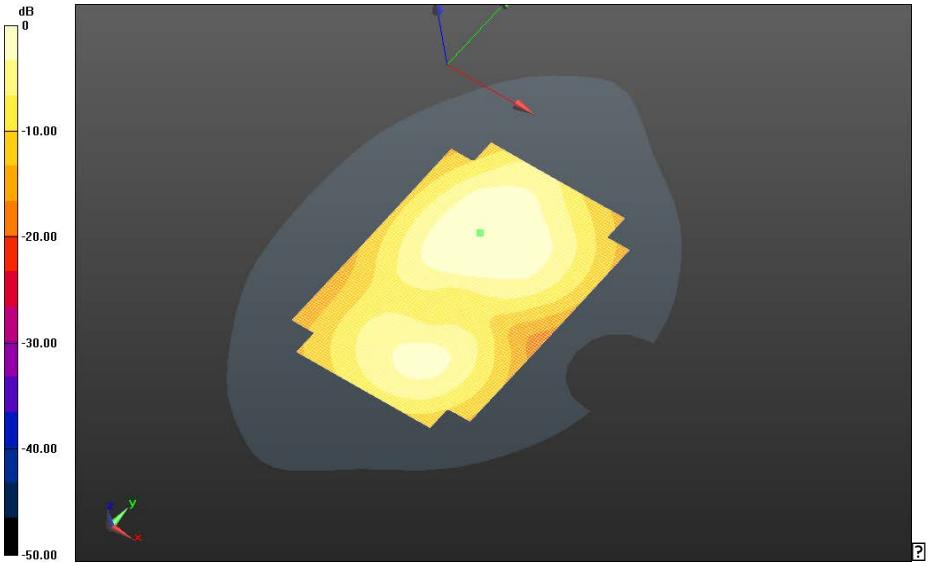
Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.070 V/m; **Power Drift = -0.019 dB**

Fast SAR: SAR(1g) = 0.527 W/kg; SAR(10g) = 0.329 W/kg
Maximum value of SAR (interpolated) = 0.567 W/kg



0 dB = 0.567 W/kg = -2.46 dBW/kg

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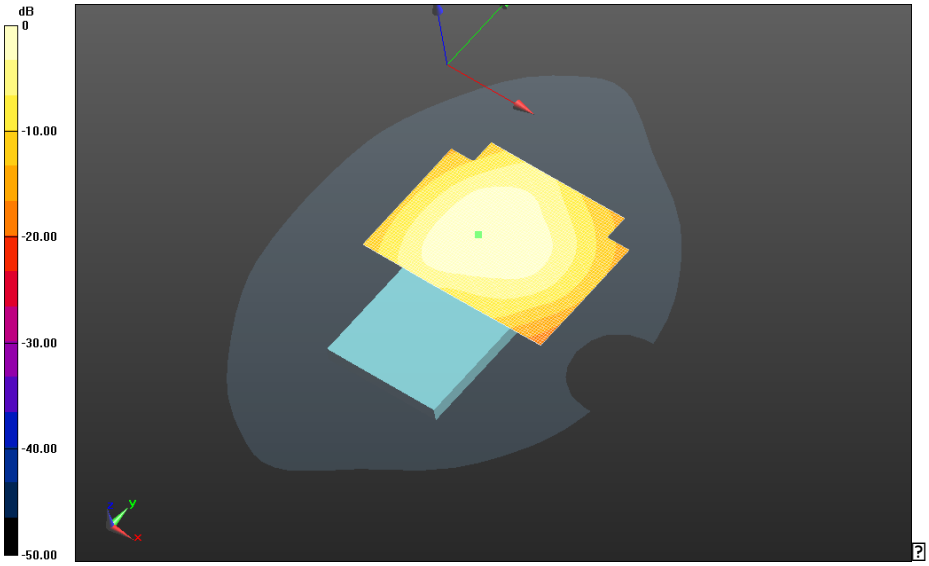
Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20300_20MHz_BW_RB50_Offset_High_amb_temp_23.9C_liq_temp_21.7C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.012 V/m; **Power Drift = -0.016 dB**

Fast SAR: SAR(1g) = 0.370 W/kg; SAR(10g) = 0.232 W/kg
Maximum value of SAR (interpolated) = 0.399 W/kg



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

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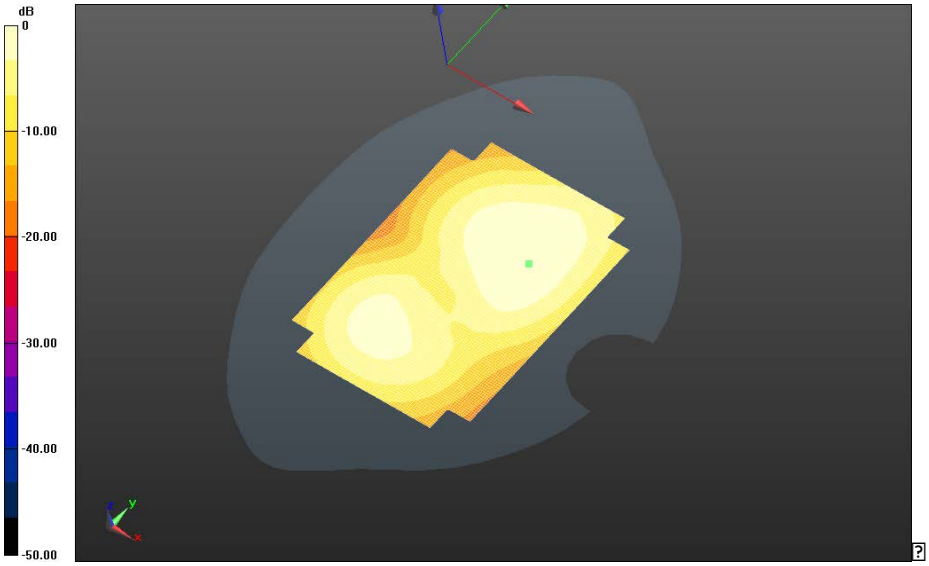
Body Worn MSL - LTE band 4/15mm Device Front - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.674 V/m; **Power Drift = 0.038 dB**

Fast SAR: SAR(1g) = 0.512 W/kg; SAR(10g) = 0.325 W/kg
Maximum value of SAR (interpolated) = 0.547 W/kg



0 dB = 0.547 W/kg = -2.62 dBW/kg

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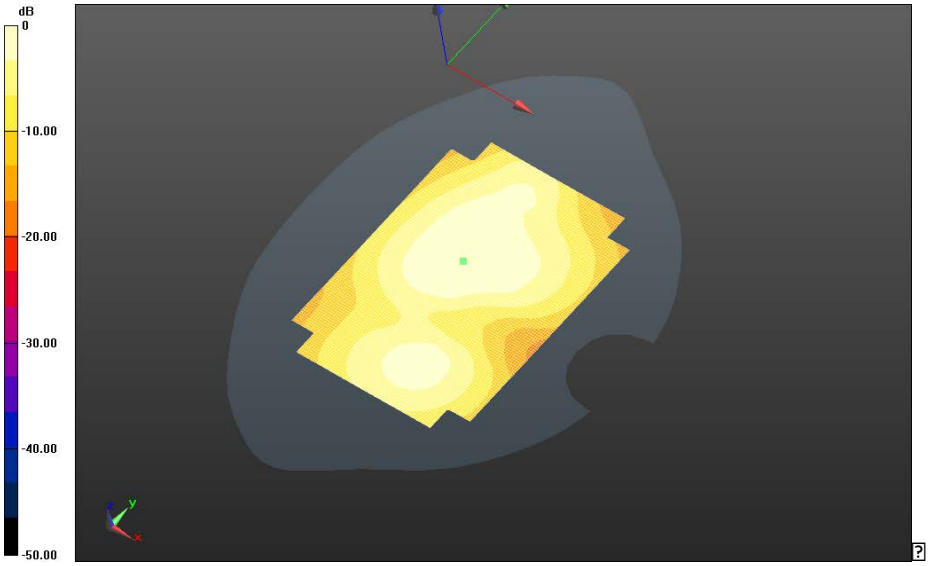
Body Worn MSL - LTE band 4/Holster Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.816 V/m; **Power Drift = -0.063 dB**

Fast SAR: SAR(1g) = 0.394 W/kg; SAR(10g) = 0.248 W/kg
Maximum value of SAR (interpolated) = 0.420 W/kg



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

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UMTS Band IV

Date: 2/12/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - UMTS band IV

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV; Frequency: 1712.4 MHz
Medium Parameters used: f=1712.4 MHz; σ = 1.484 S/m; ε_r = 51.553; ρ = 1.000 g/cm^3
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)

Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1312_amb_temp_23.4C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.369 V/m; **Power Drift = 0.109 dB**

Fast SAR: SAR(1g) = 0.674 W/kg; SAR(10g) = 0.426 W/kg
Maximum value of SAR (interpolated) = 0.726 W/kg

Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1312_amb_temp_23.4C_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 = 12.369 V/m; **Power Drift = 0.109 dB**

Averaged SAR: SAR(1g) = 0.677 W/kg; SAR(10g) = 0.456 W/kg
Maximum value of SAR (interpolated) = 0.883 W/kg

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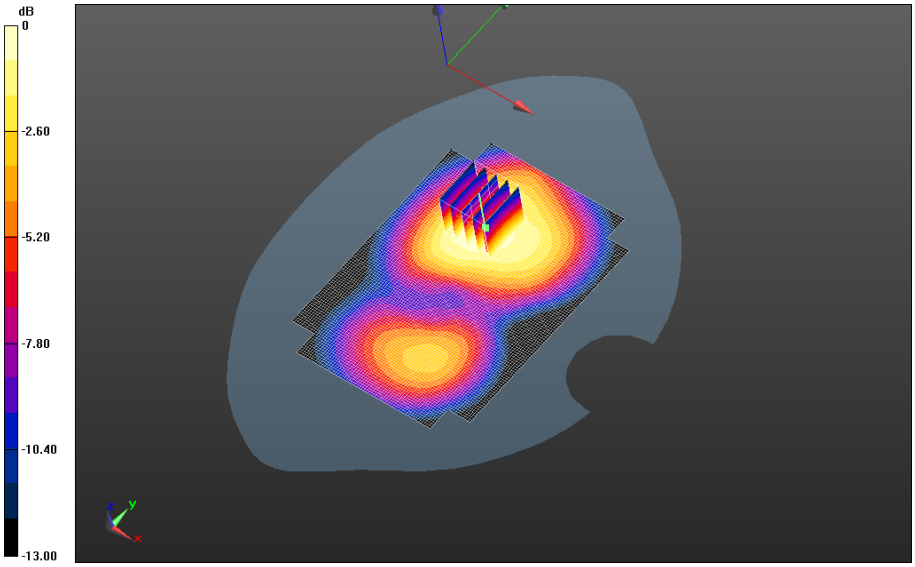

0 dB = 0.723 W/kg = -1.41 dBW/kg

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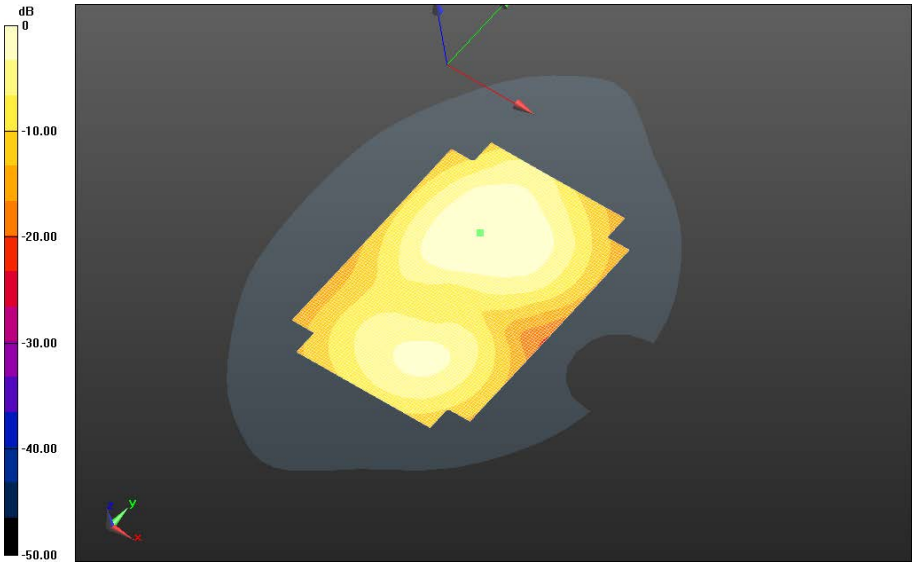
Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1413_amb_temp_23.4C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.058 V/m; **Power Drift = -0.058 dB**

Fast SAR: SAR(1g) = 0.420 W/kg; SAR(10g) = 0.266 W/kg
Maximum value of SAR (interpolated) = 0.450 W/kg



0 dB = 0.450 W/kg = -3.47 dBW/kg

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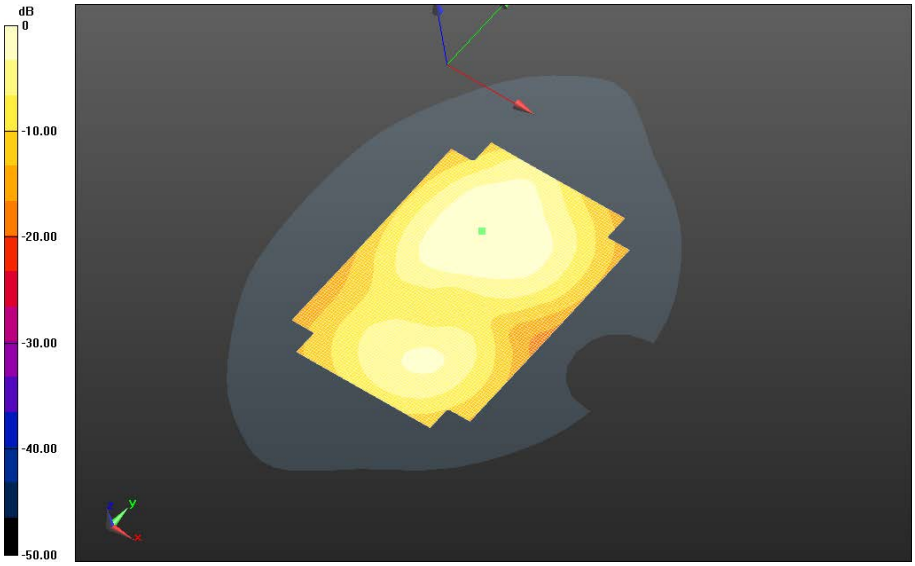
Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1513_amb_temp_23.5C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.965 V/m; **Power Drift = 0.036 dB**

Fast SAR: SAR(1g) = 0.528 W/kg; SAR(10g) = 0.333 W/kg
Maximum value of SAR (interpolated) = 0.565 W/kg



0 dB = 0.565 W/kg = -2.48 dBW/kg

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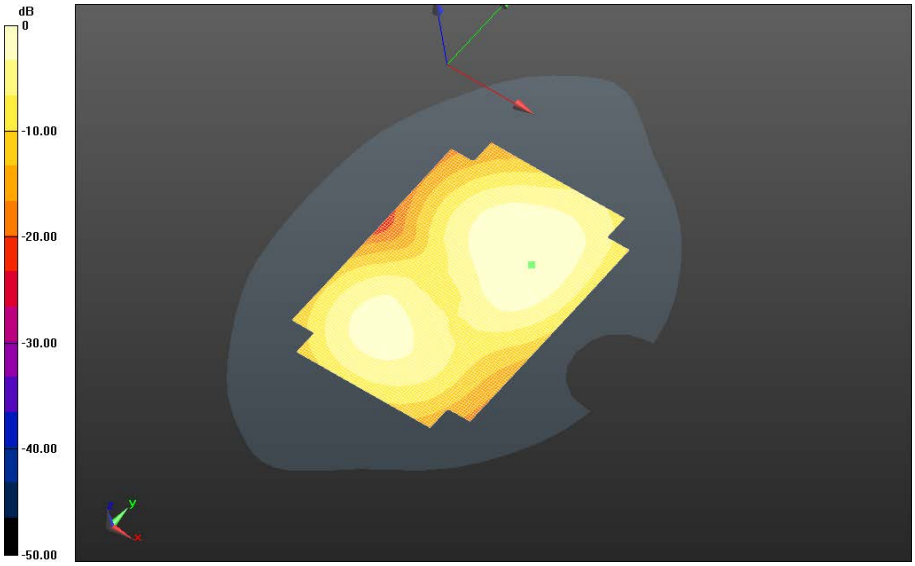
Body Worn MSL - UMTS band IV/15mm Device Front - UMTS IV_chan1413_amb_temp_23.8C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.930 V/m; **Power Drift = 0.027 dB**

Fast SAR: SAR(1g) = 0.409 W/kg; SAR(10g) = 0.259 W/kg
Maximum value of SAR (interpolated) = 0.437 W/kg



0 dB = 0.437 W/kg = -3.60 dBW/kg

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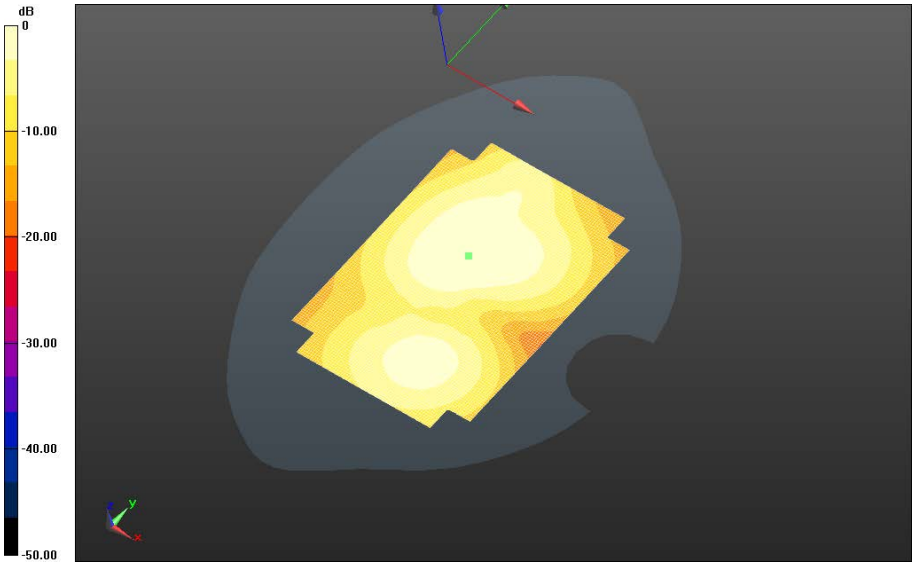
Body Worn MSL - UMTS band IV/Holster Device Back - UMTS IV_chan1413_amb_temp_23.4C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.390 V/m; **Power Drift = -0.117 dB**

Fast SAR: SAR(1g) = 0.282 W/kg; SAR(10g) = 0.178 W/kg
Maximum value of SAR (interpolated) = 0.300 W/kg



0 dB = 0.300 W/kg = -5.23 dBW/kg

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LTE Band 2

Date: 2/10/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - LTE band 2

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz
Medium Parameters used: f=1860 MHz; σ = 1.513 S/m; ε_r = 52.200; ρ = 1.000 g/cm^3
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)

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.196 V/m; **Power Drift = -0.076 dB**

Fast SAR: SAR(1g) = 0.348 W/kg; SAR(10g) = 0.215 W/kg
Maximum value of SAR (interpolated) = 0.375 W/kg

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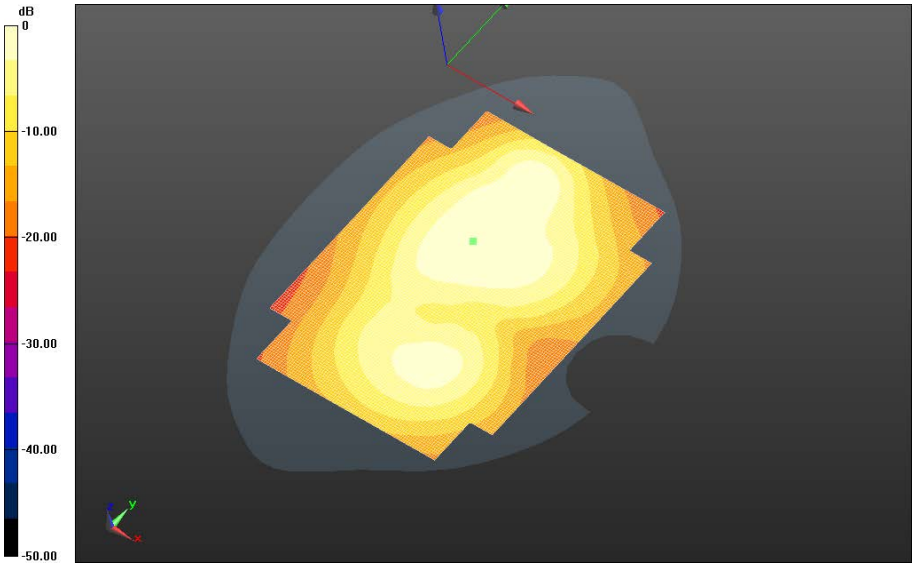

0 dB = 0.375 W/kg = -4.26 dBW/kg

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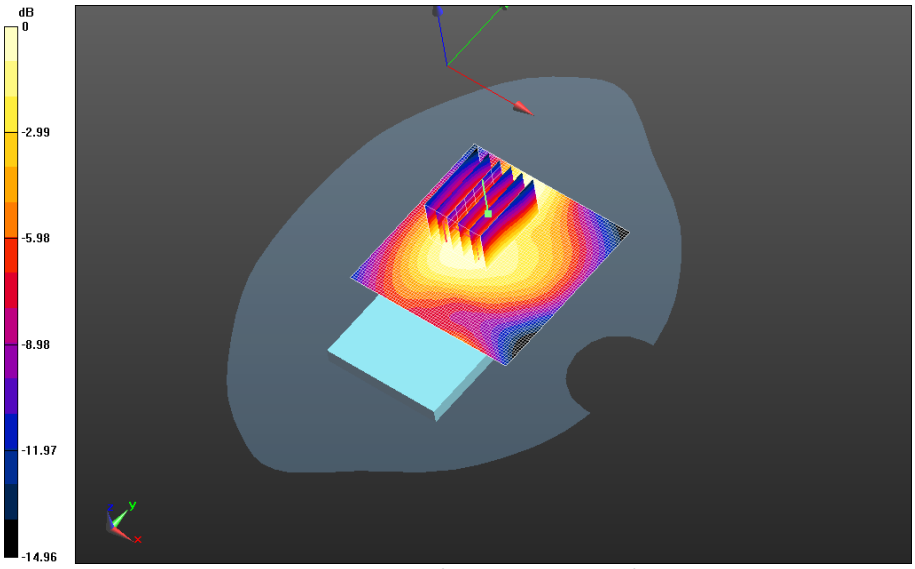
Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_21.7C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.599 V/m; **Power Drift = 0.050 dB**

Fast SAR: SAR(1g) = 0.435 W/kg; SAR(10g) = 0.272 W/kg
Maximum value of SAR (interpolated) = 0.479 W/kg

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Low_amb_temp_23.8C_liq_temp_21.7C/Zoom Scan (26x31x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.599 V/m; **Power Drift = 0.050 dB**

Averaged SAR: SAR(1g) = 0.433 W/kg; SAR(10g) = 0.292 W/kg
Maximum value of SAR (interpolated) = 0.618 W/kg



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

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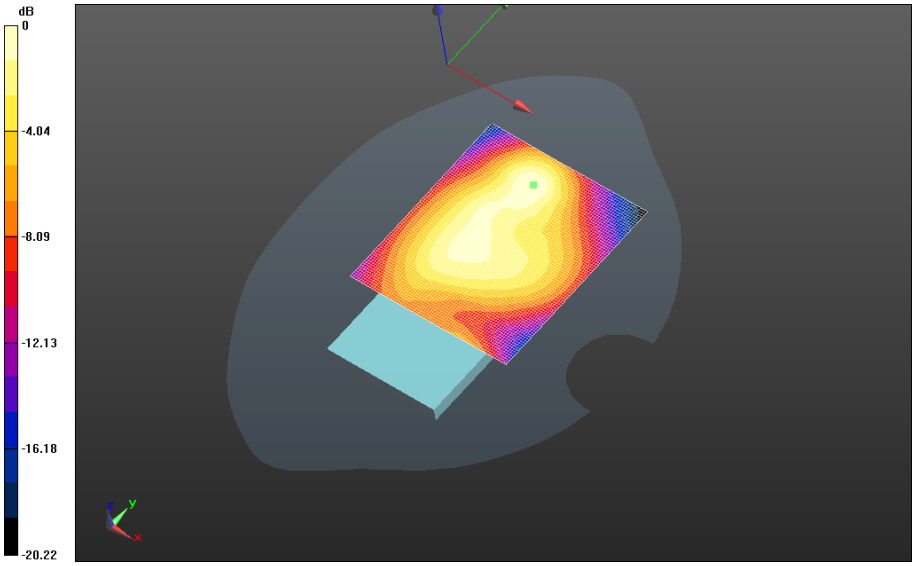
Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.6C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.930 V/m; **Power Drift = -0.021 dB**

Fast SAR: SAR(1g) = 0.408 W/kg; SAR(10g) = 0.231 W/kg
Maximum value of SAR (interpolated) = 0.475 W/kg



0 dB = 0.475 W/kg = -3.23 dBW/kg

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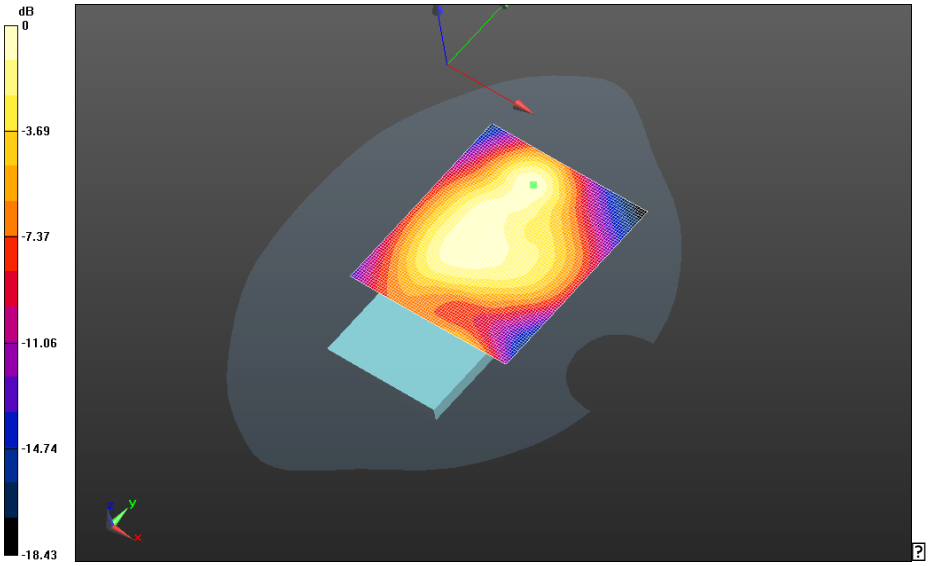
Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_21.6C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.114 V/m; **Power Drift = -0.022 dB**

Fast SAR: SAR(1g) = 0.298 W/kg; SAR(10g) = 0.187 W/kg
Maximum value of SAR (interpolated) = 0.331 W/kg



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

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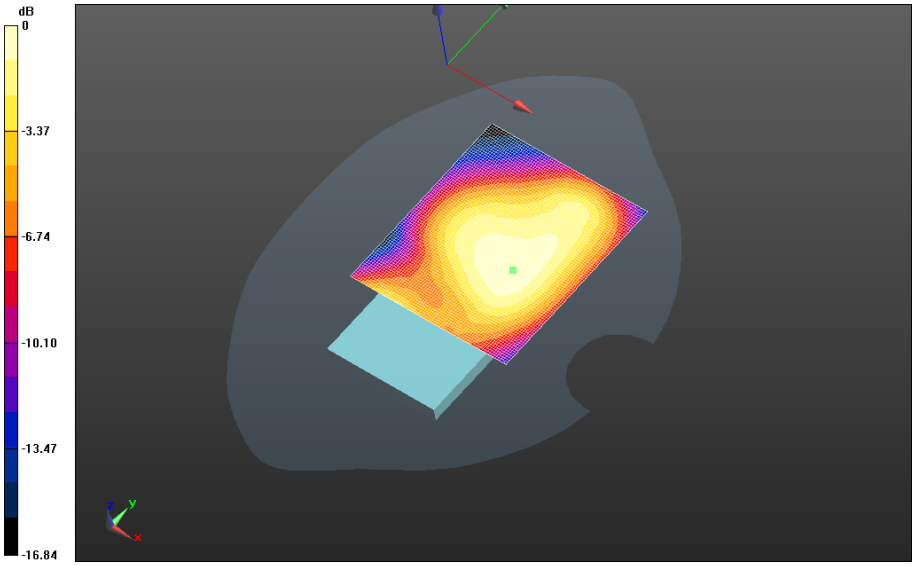
Body Worn MSL - LTE band 2/15mm Device Front - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_21.5C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.714 V/m; **Power Drift = -0.015 dB**

Fast SAR: SAR(1g) = 0.367 W/kg; SAR(10g) = 0.230 W/kg
Maximum value of SAR (interpolated) = 0.395 W/kg



0 dB = 0.395 W/kg = -4.03 dBW/kg

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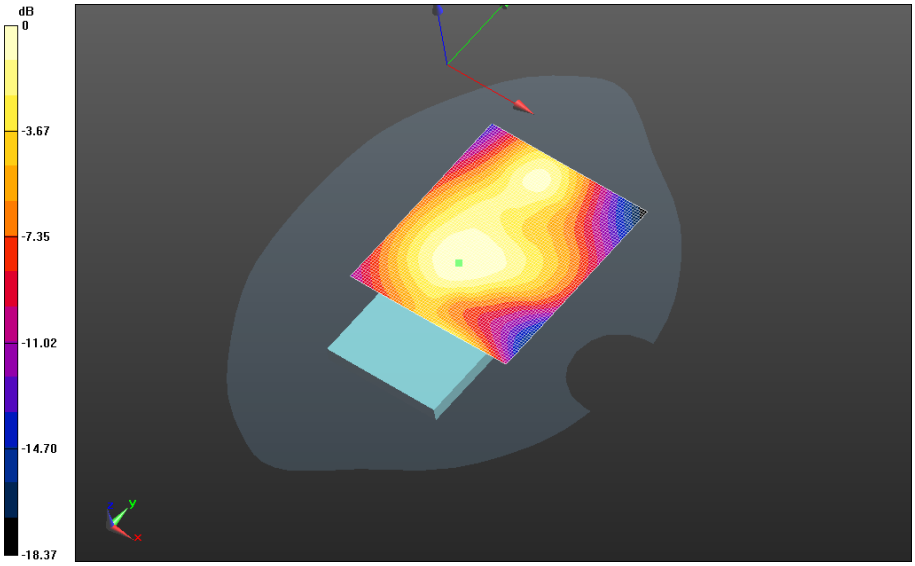
Body Worn MSL - LTE band 2/Holster Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.4C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.106 V/m; **Power Drift = 0.024 dB**

Fast SAR: SAR(1g) = 0.241 W/kg; SAR(10g) = 0.149 W/kg
Maximum value of SAR (interpolated) = 0.261 W/kg



0 dB = 0.261 W/kg = -5.83 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: Body Worn MSL - GPRS 1900

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900; Frequency: 1909.8 MHz
Medium Parameters used: f=1910 MHz; σ = 1.568 S/m; ε_r = 52.002; ρ = 1.000 g/cm^3
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)

Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900_2-slots_chan810_amb_temp_23.8C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.062 V/m; **Power Drift = -0.057 dB**

Fast SAR: SAR(1g) = 0.304 W/kg; SAR(10g) = 0.188 W/kg
Maximum value of SAR (interpolated) = 0.325 W/kg

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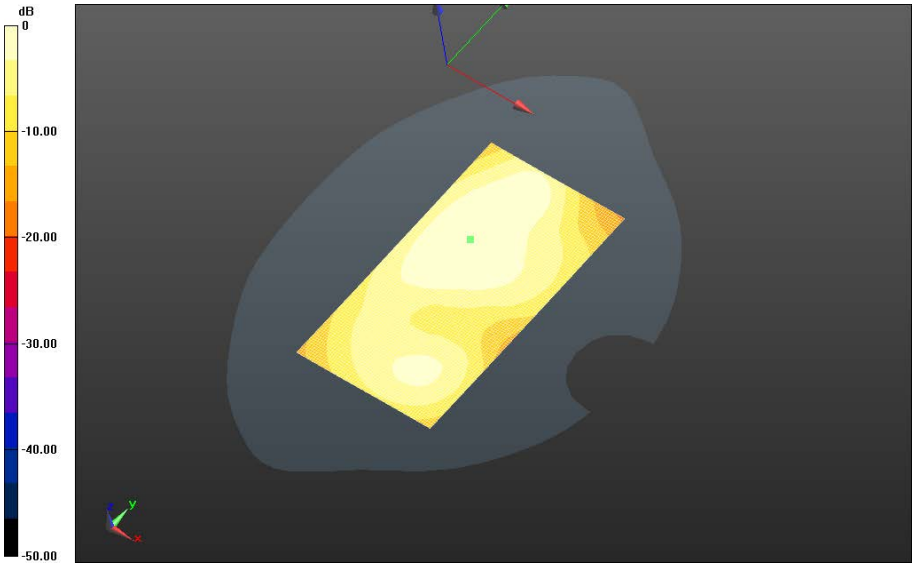

0 dB = 0.325 W/kg = -4.88 dBW/kg

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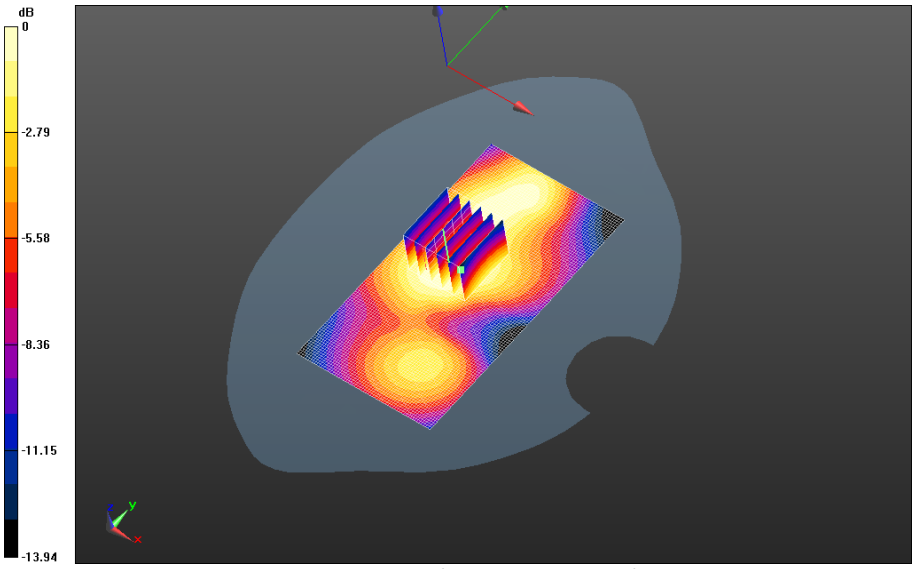
Body Worn MSL - GPRS 1900/Holster Device Back -GPRS 1900_2-slot_chan661_amb_temp_23.8C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.250 V/m; **Power Drift = 0.022 dB**

Fast SAR: SAR(1g) = 0.225 W/kg; SAR(10g) = 0.141 W/kg
Maximum value of SAR (interpolated) = 0.240 W/kg

Body Worn MSL - GPRS 1900/Holster Device Back -GPRS 1900_2-slot_chan661_amb_temp_23.8C_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 = 12.250 V/m; **Power Drift = 0.022 dB**

Averaged SAR: SAR(1g) = 0.222 W/kg; SAR(10g) = 0.149 W/kg
Maximum value of SAR (interpolated) = 0.310 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

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UMTS Band II

Date: 2/6/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn 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; σ = 1.504 S/m; ε_r = 52.189; ρ = 1.000 g/cm^3
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)

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9262_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.195 V/m; **Power Drift = -0.129 dB**

Fast SAR: SAR(1g) = 0.467 W/kg; SAR(10g) = 0.290 W/kg
Maximum value of SAR (interpolated) = 0.503 W/kg

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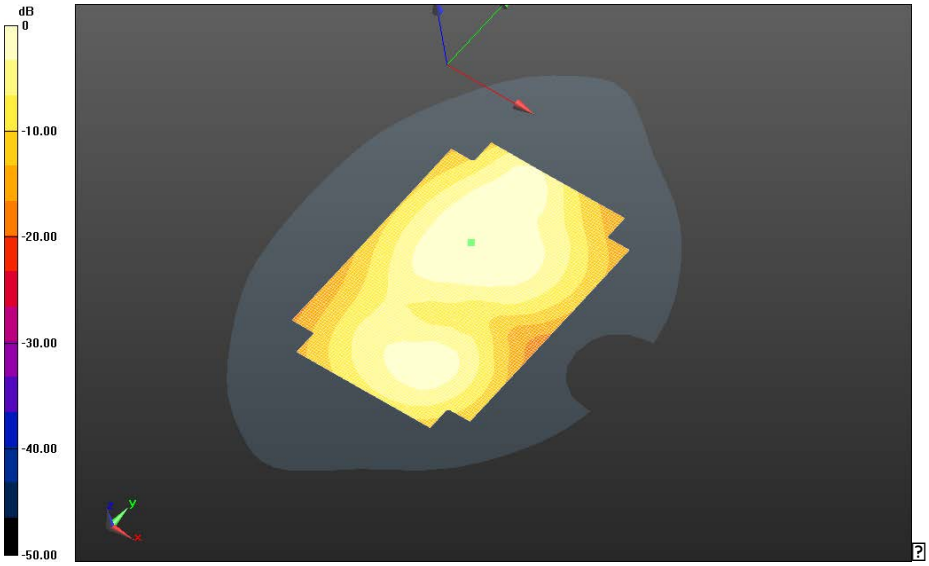

0 dB = 0.503 W/kg = -2.98 dBW/kg

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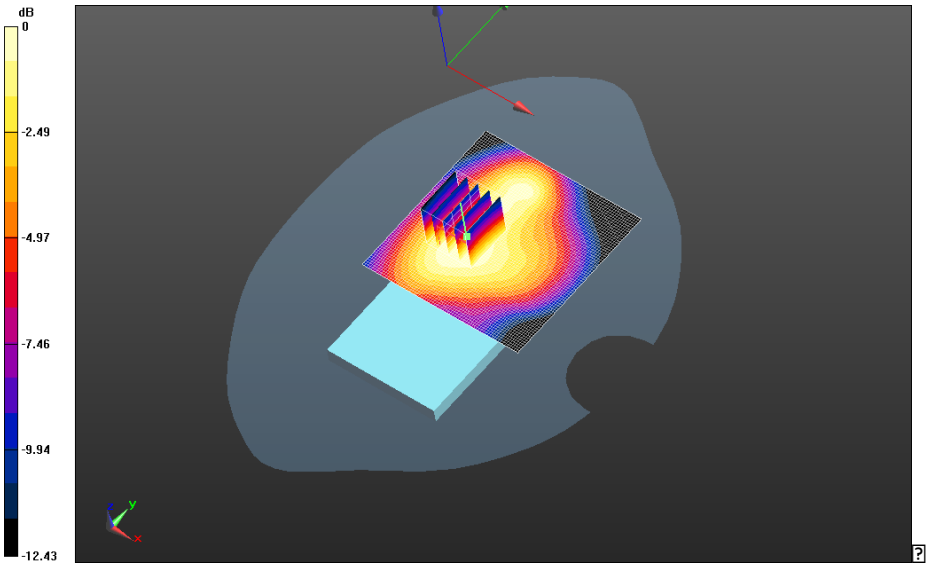
Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9400_amb_temp_23.5C_liq_temp_21.3C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.495 V/m; **Power Drift = 0.055 dB**

Fast SAR: SAR(1g) = 0.474 W/kg; SAR(10g) = 0.295 W/kg
Maximum value of SAR (interpolated) = 0.512 W/kg

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9400_amb_temp_23.5C_liq_temp_21.3C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 14.495 V/m; **Power Drift = 0.055 dB**

Averaged SAR: SAR(1g) = 0.471 W/kg; SAR(10g) = 0.319 W/kg
Maximum value of SAR (interpolated) = 0.648 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg

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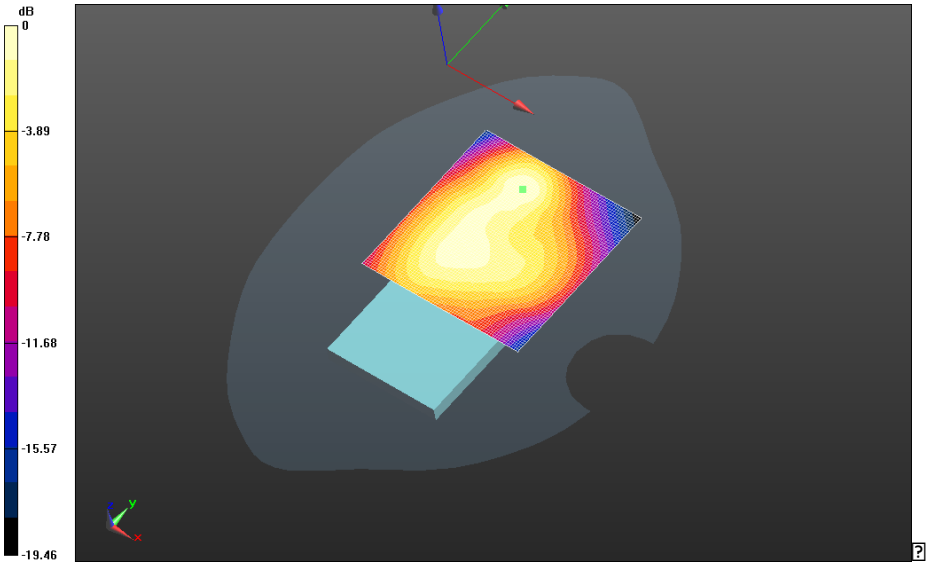
Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9538_amb_temp_23.8C_liq_temp_21.3C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.238 V/m; **Power Drift = -0.029 dB**

Fast SAR: SAR(1g) = 0.427 W/kg; SAR(10g) = 0.251 W/kg
Maximum value of SAR (interpolated) = 0.494 W/kg



0 dB = 0.494 W/kg = -3.06 dBW/kg

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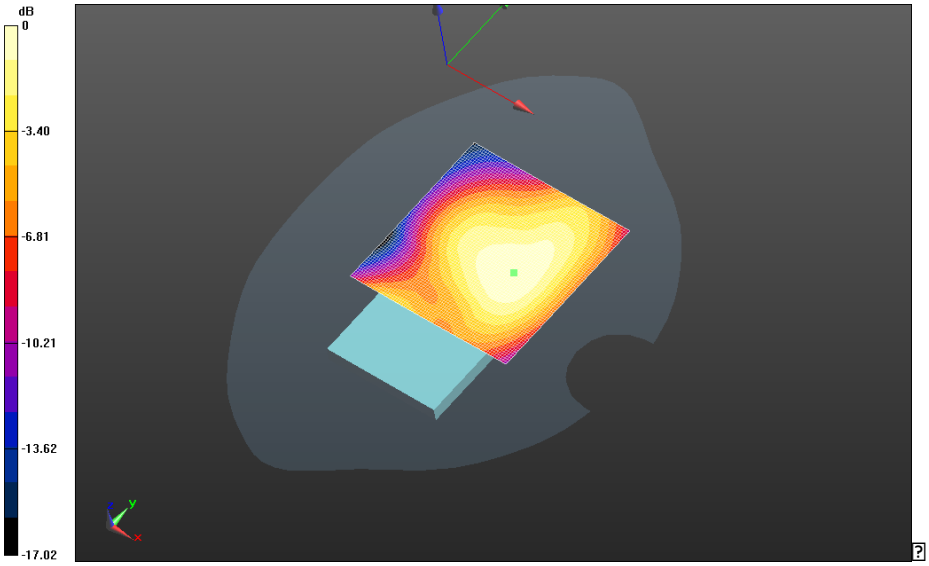
Body Worn MSL - UMTS II/15mm Device Front - UMTS II_chan9400_amb_temp_23.5C_liq_temp_21.4C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.118 V/m; **Power Drift = -0.015 dB**

Fast SAR: SAR(1g) = 0.430 W/kg; SAR(10g) = 0.266 W/kg
Maximum value of SAR (interpolated) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.34 dBW/kg

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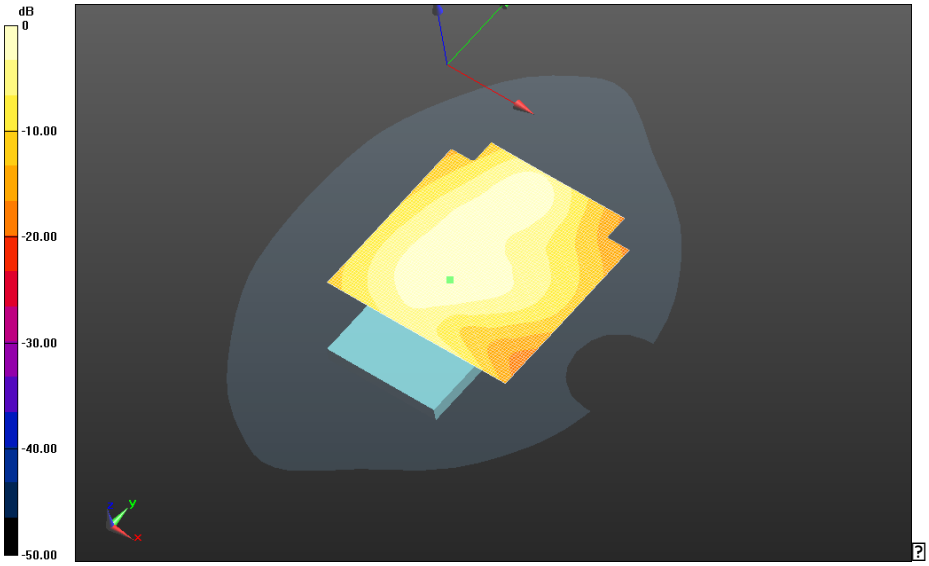
Body Worn MSL - UMTS II/Holster Device Back - UMTS II_chan9400_amb_temp_23.3C_liq_temp_21.2C/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.791 V/m; **Power Drift = -0.182 dB**

Fast SAR: SAR(1g) = 0.326 W/kg; SAR(10g) = 0.201 W/kg
Maximum value of SAR (interpolated) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

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802.11b/g

Date: 3/2/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE7A1D

Configuration: Body Worn MSL - 802.11 g

Communication System: 802.11 b/g (2450); Communication System Band: 802.11 b/g;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; σ = 1.962 S/m; ε_r = 51.676; ρ = 1.000 g/cm^3
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)

Body Worn MSL - 802.11 g/15mm 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 = 5.517 V/m; **Power Drift = -0.175 dB**

Fast SAR: SAR(1g) = 0.0922 W/kg; SAR(10g) = 0.0518 W/kg
Maximum value of SAR (interpolated) = 0.101 W/kg

Body Worn MSL - 802.11 g/15mm 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 = 5.517 V/m; **Power Drift = -0.175 dB**

Averaged SAR: SAR(1g) = 0.0979 W/kg; SAR(10g) = 0.0522 W/kg
Maximum value of SAR (interpolated) = 0.234 W/kg

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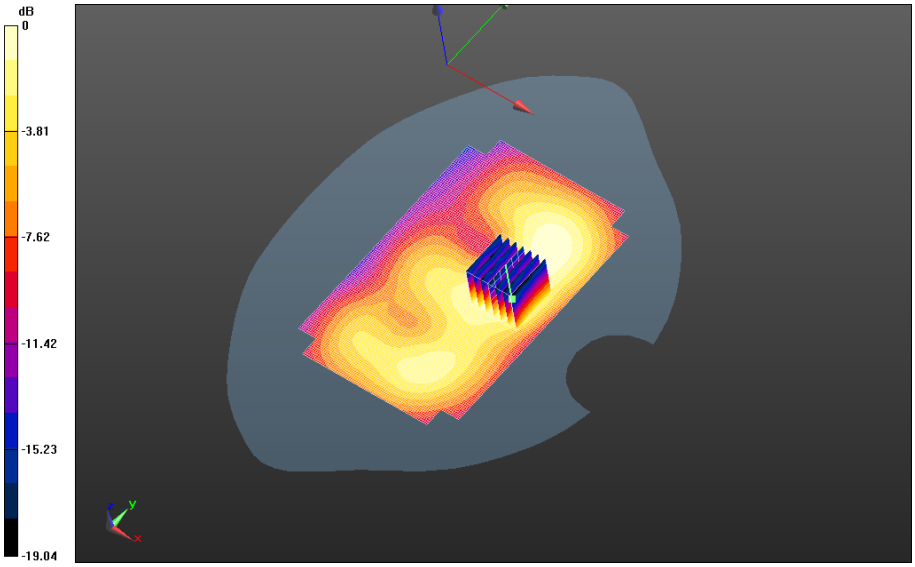

0 dB = 0.101 W/kg = -9.96 dBW/kg

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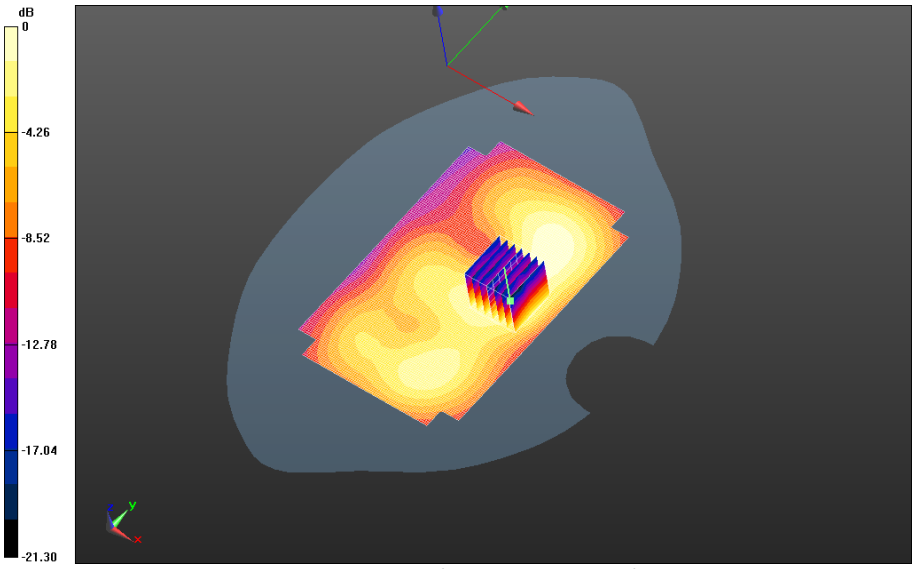
Body Worn MSL - 802.11 g/15mm Device Back - 802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.365 V/m; **Power Drift = -0.055 dB**

Fast SAR: SAR(1g) = 0.0977 W/kg; SAR(10g) = 0.0544 W/kg
Maximum value of SAR (interpolated) = 0.108 W/kg

Body Worn MSL - 802.11 g/15mm 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 = 5.365 V/m; **Power Drift = -0.055 dB**

Averaged SAR: SAR(1g) = 0.103 W/kg; SAR(10g) = 0.0544 W/kg
Maximum value of SAR (interpolated) = 0.246 W/kg



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

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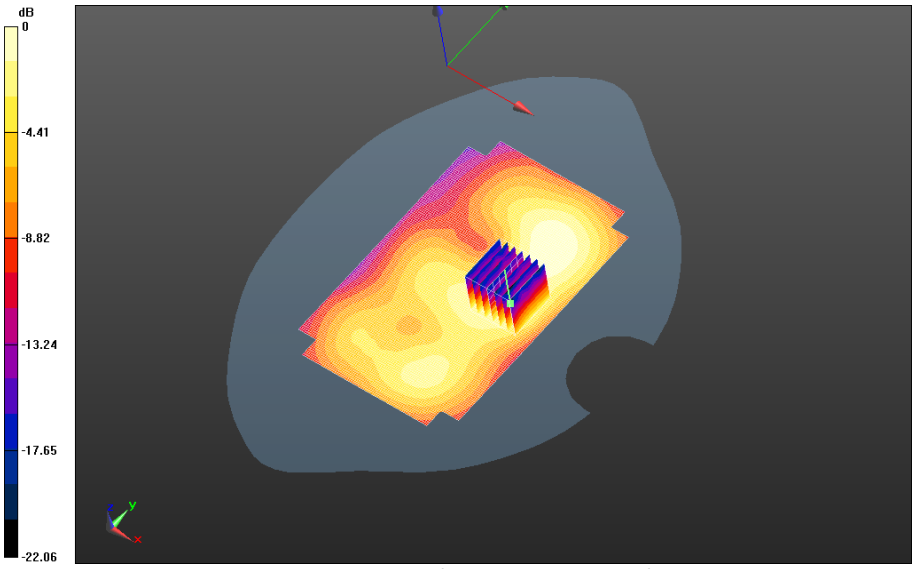
Body Worn MSL - 802.11 g/15mm Device Back - 802.11g_chan11_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.479 V/m; **Power Drift = -0.042 dB**

Fast SAR: SAR(1g) = 0.0673 W/kg; SAR(10g) = 0.0377 W/kg
Maximum value of SAR (interpolated) = 0.0748 W/kg

Body Worn MSL - 802.11 g/15mm 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 = 4.479 V/m; **Power Drift = -0.042 dB**

Averaged SAR: SAR(1g) = 0.0720 W/kg; SAR(10g) = 0.0379 W/kg
Maximum value of SAR (interpolated) = 0.169 W/kg



0 dB = 0.0744 W/kg = -11.28 dBW/kg

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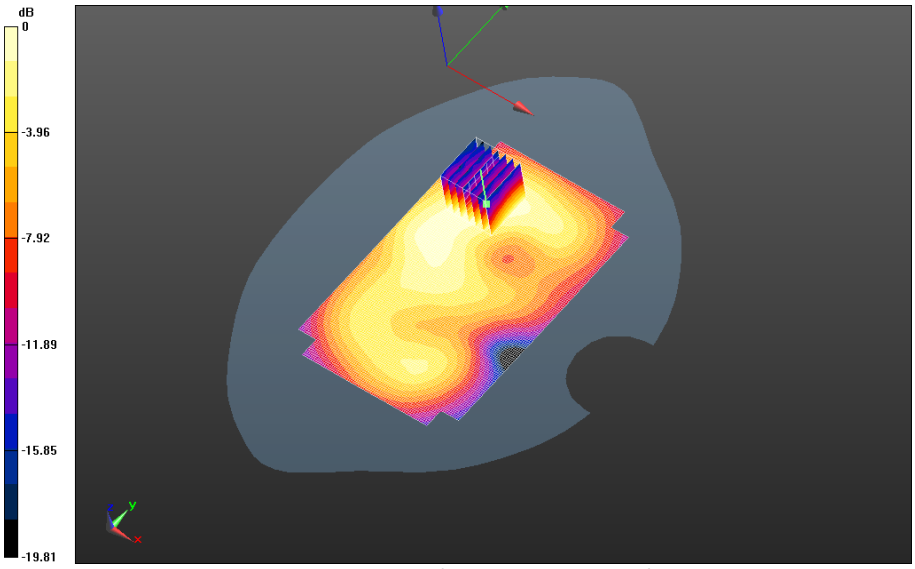
Body Worn MSL - 802.11 g/15mm Device Front - 802.11g_chan6_amb_temp_23.7C_liq_temp_21.4C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.374 V/m; **Power Drift = -0.058 dB**

Fast SAR: SAR(1g) = 0.0636 W/kg; SAR(10g) = 0.0357 W/kg
Maximum value of SAR (interpolated) = 0.0695 W/kg

Body Worn MSL - 802.11 g/15mm Device Front - 802.11g_chan6_amb_temp_23.7C_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 = 4.374 V/m; **Power Drift = -0.058 dB**

Averaged SAR: SAR(1g) = 0.0681 W/kg; SAR(10g) = 0.0374 W/kg
Maximum value of SAR (interpolated) = 0.157 W/kg



0 dB = 0.0694 W/kg = -11.59 dBW/kg

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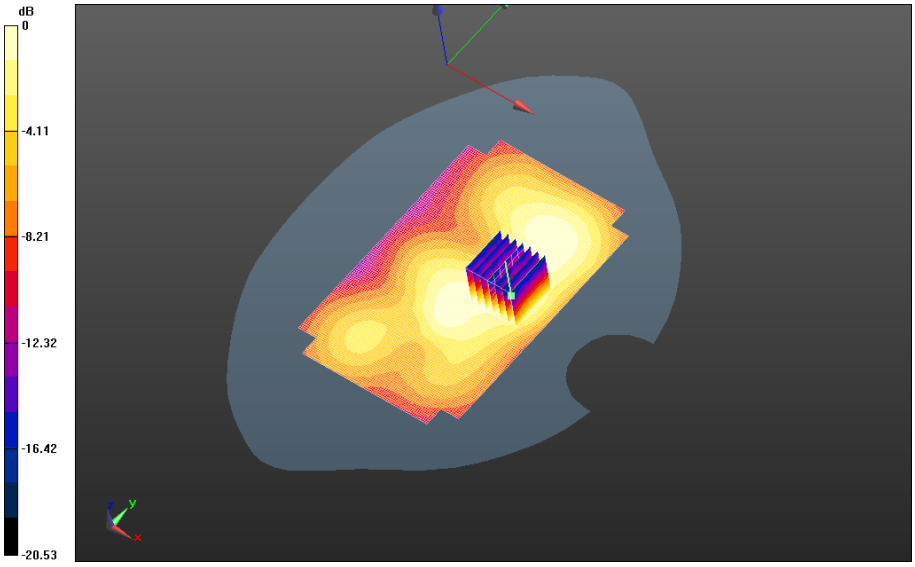
Body Worn MSL - 802.11 g/Holster Device Back - 802.11g_chan6_amb_temp_23.8C_liq_temp_21.5C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.401 V/m; **Power Drift = -0.016 dB**

Fast SAR: SAR(1g) = 0.0698 W/kg; SAR(10g) = 0.0398 W/kg
Maximum value of SAR (interpolated) = 0.0761 W/kg

Body Worn MSL - 802.11 g/Holster 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 = 5.401 V/m; **Power Drift = -0.016 dB**

Averaged SAR: SAR(1g) = 0.0743 W/kg; SAR(10g) = 0.0405 W/kg
Maximum value of SAR (interpolated) = 0.170 W/kg



0 dB = 0.0768 W/kg = -11.15 dBW/kg

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Bluetooth

Date: 3/3/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

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; σ = 1.998 S/m; ε_r = 51.638; ρ = 1.000 g/cm^3
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)

Body Worn MSL - Bluetooth/15mm Device Back - Bluetooth_chan39_amb_temp_24.1C_liq_temp_21.8C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.780 V/m; **Power Drift = 0.00815 dB**

Fast SAR: SAR(1g) = 0.000711 W/kg; SAR(10g) = 0.000201 W/kg
Maximum value of SAR (interpolated) = 0.00152 W/kg

Body Worn MSL - Bluetooth/15mm Device Back - Bluetooth_chan39_amb_temp_24.1C_liq_temp_21.8C/Zoom Scan (41x36x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 0.780 V/m; **Power Drift = 0.00815 dB**

Averaged SAR: SAR(1g) = 0.000341 W/kg; SAR(10g) = 0.000120 W/kg
Maximum value of SAR (interpolated) = 0.00133 W/kg

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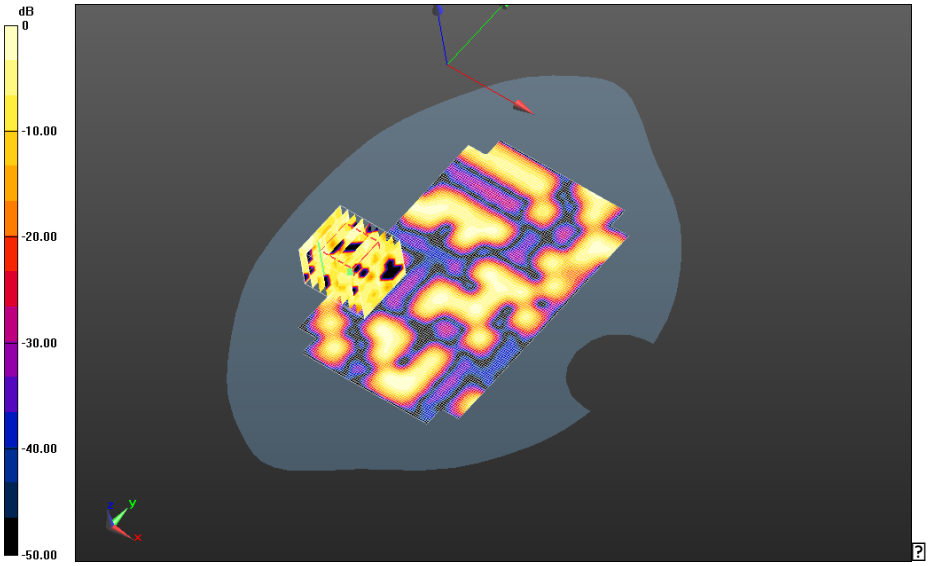

0 dB = 0.00130 W/kg = -28.86 dBW/kg

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LTE Band 7

Date: 3/4/2015

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFE780C

Configuration: Body Worn MSL - LTE 7 FCC

Communication System: LTE 7 (0); Communication System Band: LTE band 7; Frequency: 2510 MHz
Medium Parameters used: f=2510 MHz; σ = 2.091 S/m; ε_r = 51.337; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

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

Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_21.9C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.344 V/m; **Power Drift = 0.00647 dB**

Fast SAR: SAR(1g) = 0.814 W/kg; SAR(10g) = 0.392 W/kg
Maximum value of SAR (interpolated) = 1.09 W/kg

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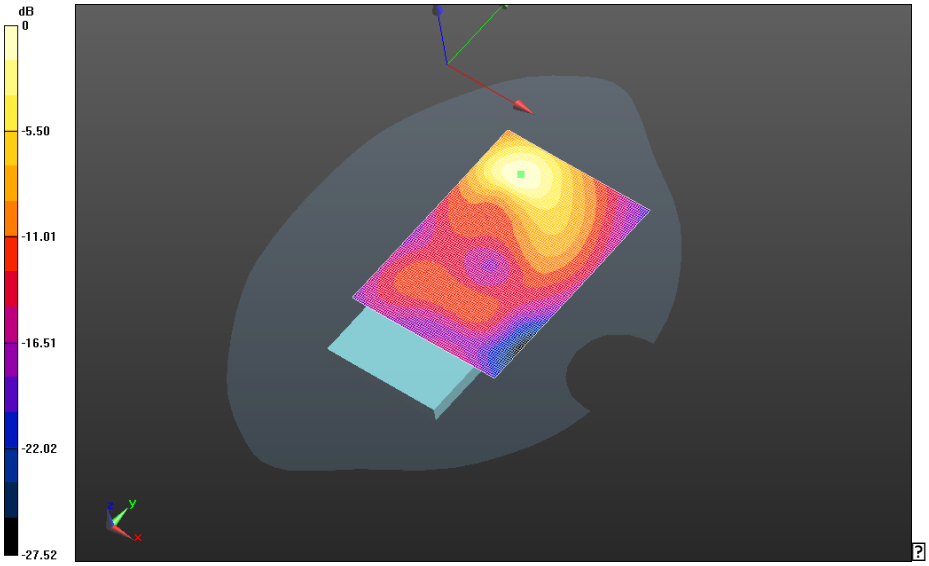

0 dB = 1.09 W/kg = 0.37 dBW/kg

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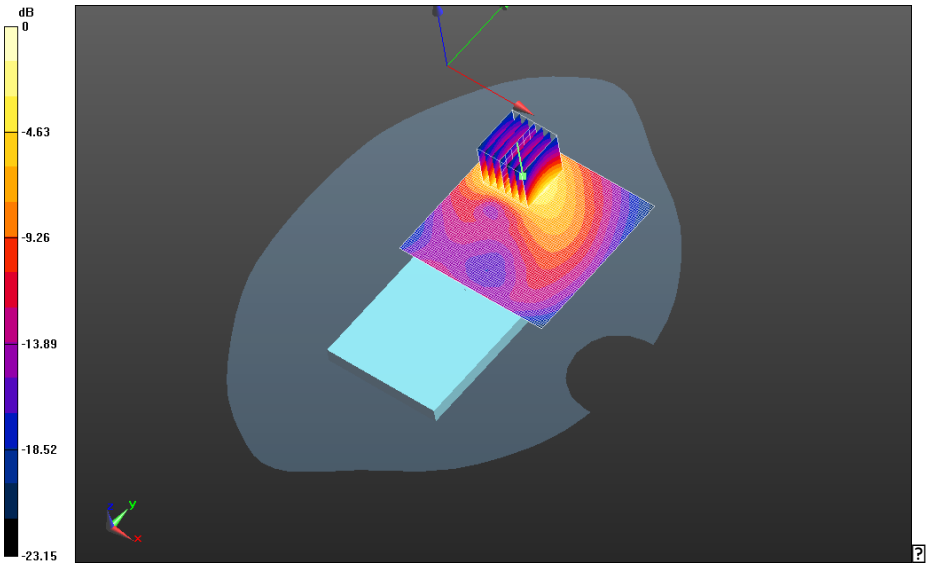
Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_24.0C_liq_temp_22.0C/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.879 V/m; **Power Drift = -0.037 dB**

Fast SAR: SAR(1g) = 0.827 W/kg; SAR(10g) = 0.390 W/kg
Maximum value of SAR (interpolated) = 1.10 W/kg

Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21100_20MHz_BW_RB1_Offset_Low_amb_temp_24.0C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.879 V/m; **Power Drift = -0.037 dB**

Averaged SAR: SAR(1g) = 0.833 W/kg; SAR(10g) = 0.402 W/kg
Maximum value of SAR (interpolated) = 1.70 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

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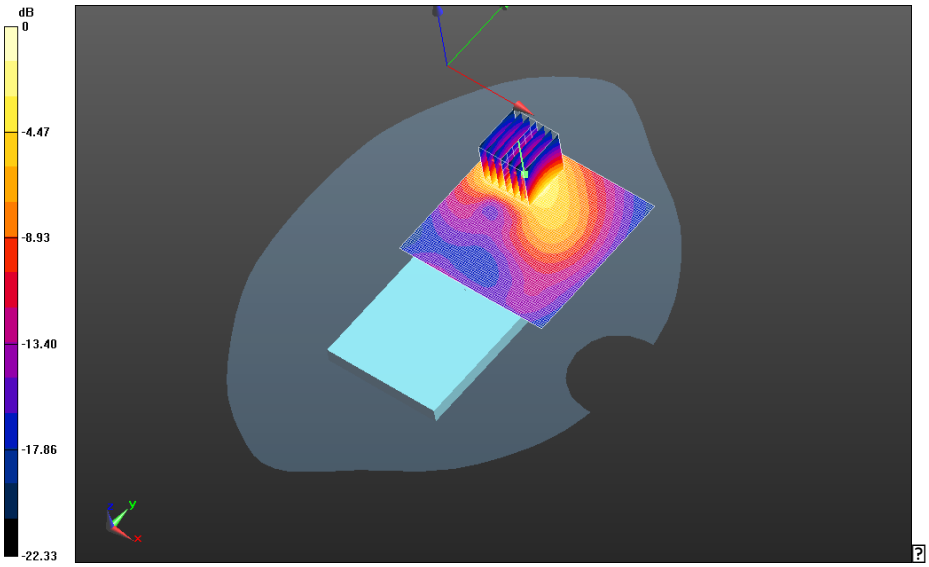
Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_21.8C/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.074 V/m; **Power Drift = 0.025 dB**

Fast SAR: SAR(1g) = 0.803 W/kg; SAR(10g) = 0.377 W/kg
Maximum value of SAR (interpolated) = 1.07 W/kg

Body Worn MSL - LTE 7 FCC/15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_High_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 = 4.074 V/m; **Power Drift = 0.025 dB**

Averaged SAR: SAR(1g) = 0.805 W/kg; SAR(10g) = 0.386 W/kg
Maximum value of SAR (interpolated) = 1.66 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

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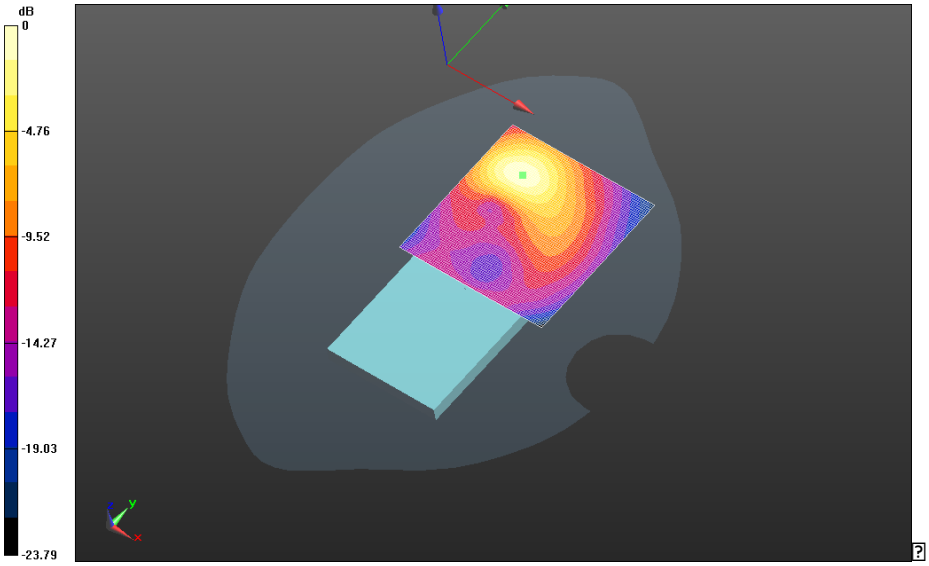
Reference Value = 4.374 V/m; **Power Drift = 0.092 dB**

Fast SAR: SAR(1g) = 0.620 W/kg; SAR(10g) = 0.293 W/kg
Maximum value of SAR (interpolated) = 0.825 W/kg



0 dB = 0.825 W/kg = -0.84 dBW/kg

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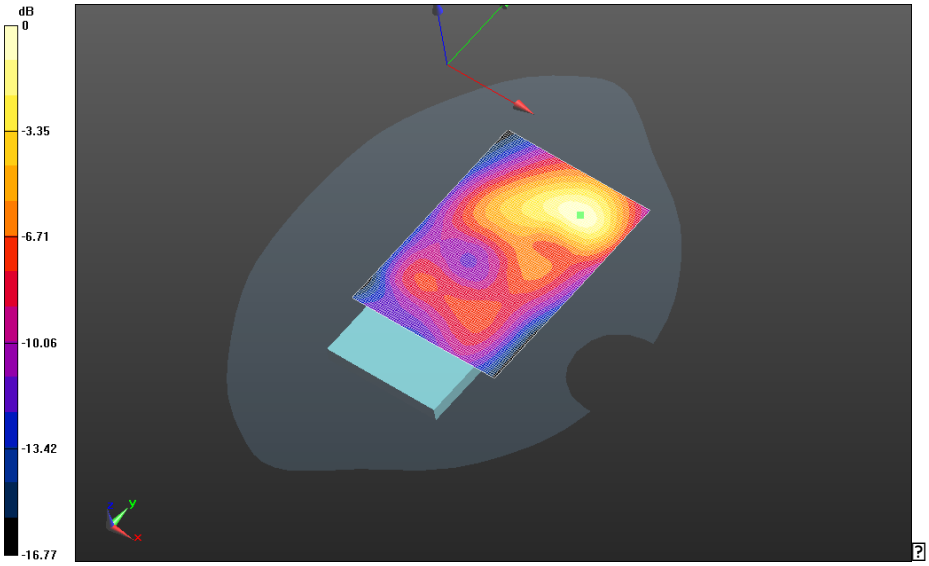
Body Worn MSL - LTE 7 FCC/15mm Device Front - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.6C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.934 V/m; **Power Drift = -0.065 dB**

Fast SAR: SAR(1g) = 0.431 W/kg; SAR(10g) = 0.219 W/kg
Maximum value of SAR (interpolated) = 0.563 W/kg



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

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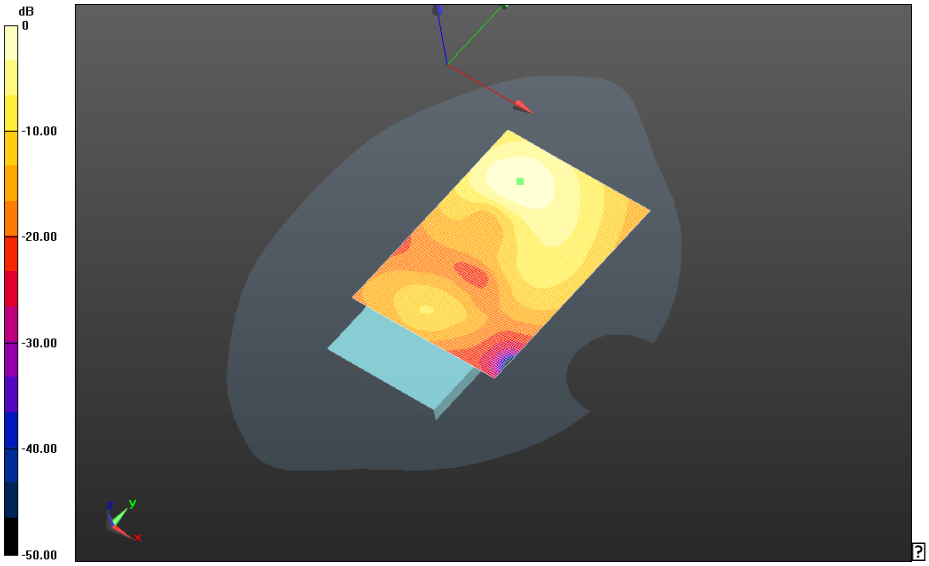
Body Worn MSL - LTE 7 FCC/Holster Device Back - LTE band 7_chan20850_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.5C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.499 V/m; **Power Drift = -0.190 dB**

Fast SAR: SAR(1g) = 0.616 W/kg; SAR(10g) = 0.313 W/kg
Maximum value of SAR (interpolated) = 0.791 W/kg



0 dB = 0.791 W/kg = -1.02 dBW/kg

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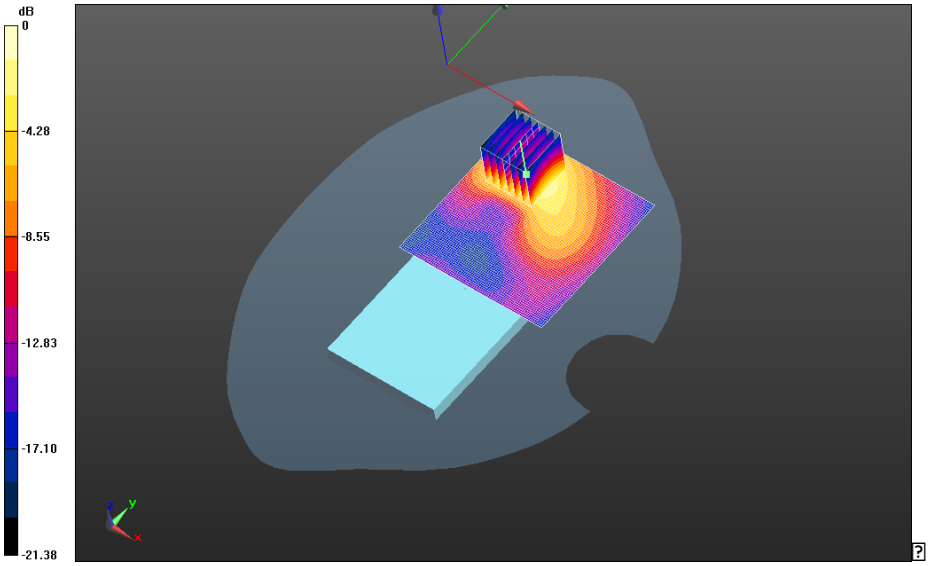
Body Worn MSL - LTE 7 FCC/2nd Scan 15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.8C/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.251 V/m; **Power Drift = 0.169 dB**

Fast SAR: SAR(1g) = 0.810 W/kg; SAR(10g) = 0.395 W/kg
Maximum value of SAR (interpolated) = 1.08 W/kg

Body Worn MSL - LTE 7 FCC/2nd Scan 15mm Device Back - LTE band 7_chan21350_20MHz_BW_RB1_Offset_High_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 = 4.251 V/m; **Power Drift = 0.169 dB**

Averaged SAR: SAR(1g) = 0.799 W/kg; SAR(10g) = 0.399 W/kg
Maximum value of SAR (interpolated) = 1.58 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

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