APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

EDGE/GPRS 850

Date: 7/4/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Body Worn MSL - GPRS 850

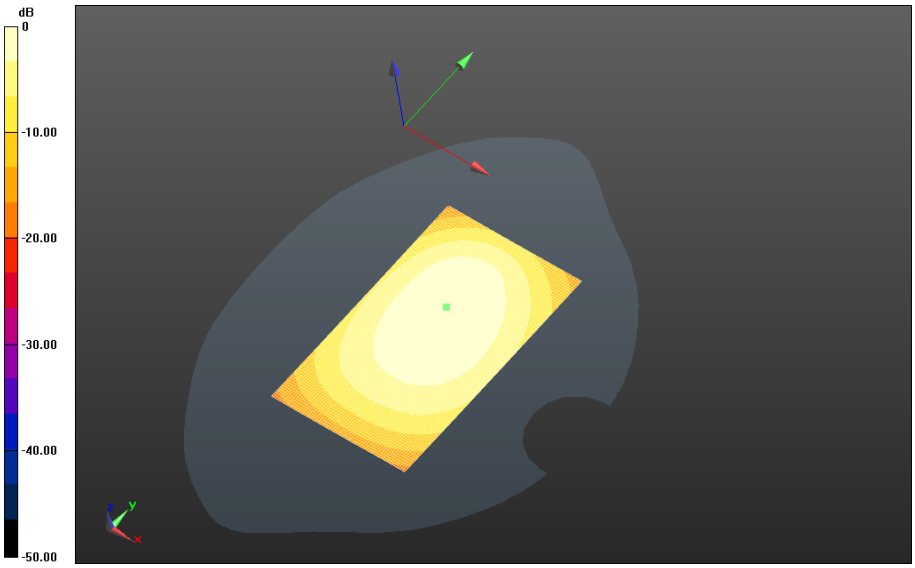
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 824.2 MHz
Medium Parameters used: f=825 MHz; σ = 0.986 S/m; ε_r = 57.621; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.434 V/m; **Power Drift = -0.053 dB**

Fast SAR: SAR(1g) = 0.642 W/kg; SAR(10g) = 0.449 W/kg
Maximum value of SAR (interpolated) = 0.725 W/kg



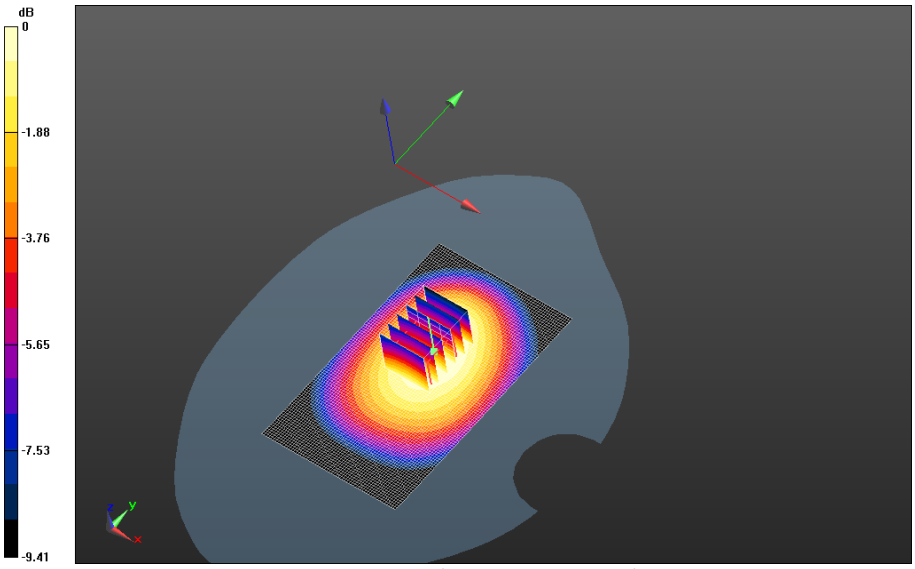
0 dB = 0.725 W/kg = -1.40 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_1-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.999 V/m; **Power Drift = -0.167 dB**

Fast SAR: SAR(1g) = 0.660 W/kg; SAR(10g) = 0.462 W/kg
Maximum value of SAR (interpolated) = 0.747 W/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_1-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (21x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 25.999 V/m; **Power Drift = -0.167 dB**

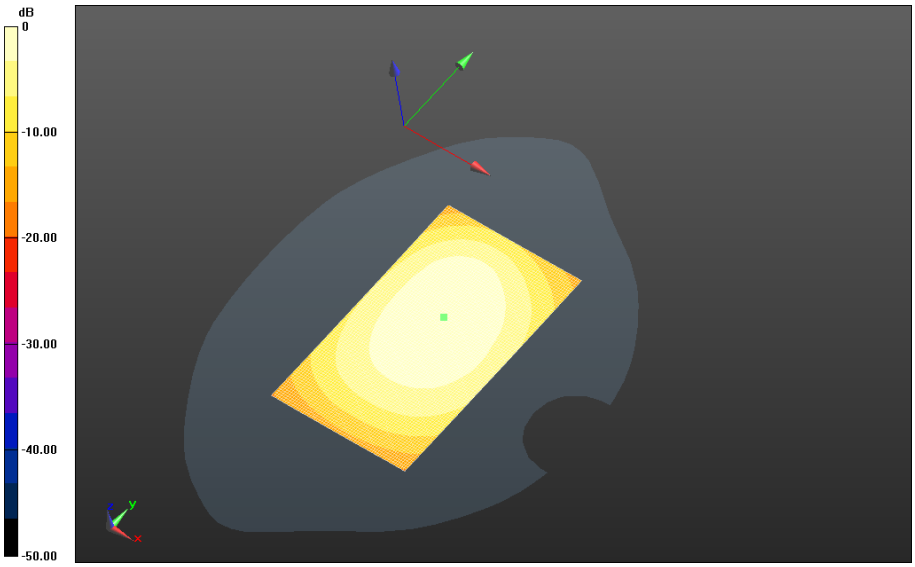
Averaged SAR: SAR(1g) = 0.627 W/kg; SAR(10g) = 0.460 W/kg
Maximum value of SAR (interpolated) = 0.827 W/kg



0 dB = 0.725 W/kg = -1.40 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_1-slot_chan251_amb_temp_23.1C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.575 V/m; **Power Drift = -0.028 dB**

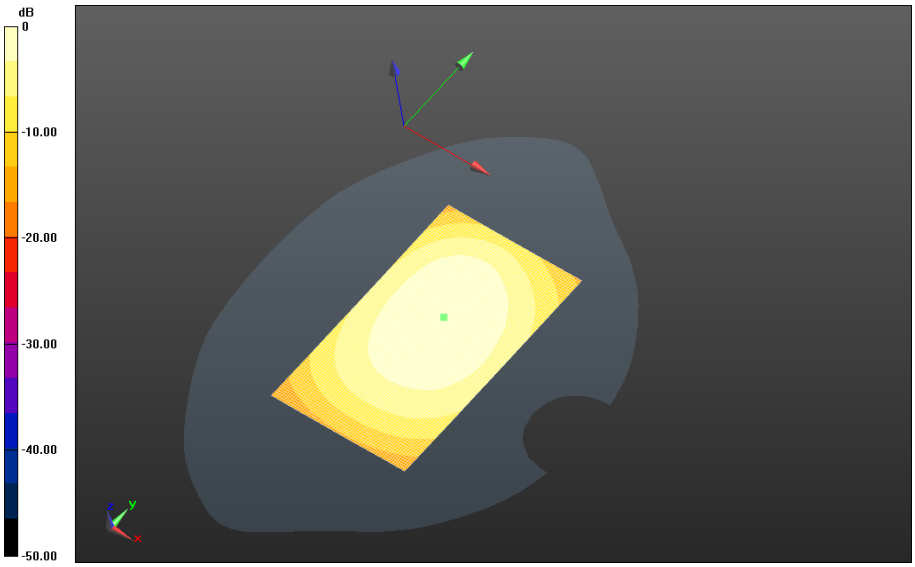
Fast SAR: SAR(1g) = 0.546 W/kg; SAR(10g) = 0.382 W/kg
Maximum value of SAR (interpolated) = 0.618 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_2-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.813 V/m; **Power Drift = -0.068 dB**

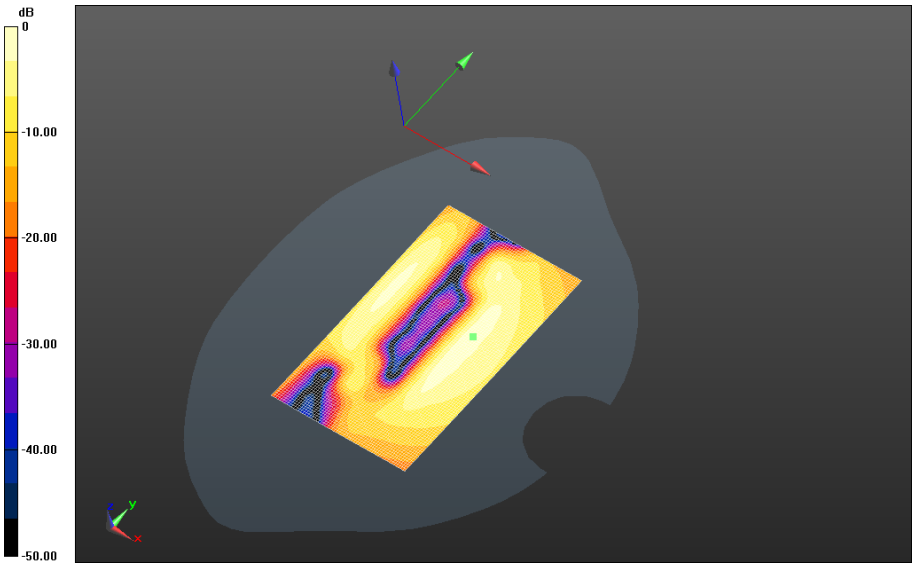
Fast SAR: SAR(1g) = 0.542 W/kg; SAR(10g) = 0.379 W/kg
Maximum value of SAR (interpolated) = 0.615 W/kg



0 dB = 0.618 W/kg = -2.09 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_3-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.529 V/m; **Power Drift = -0.029 dB**

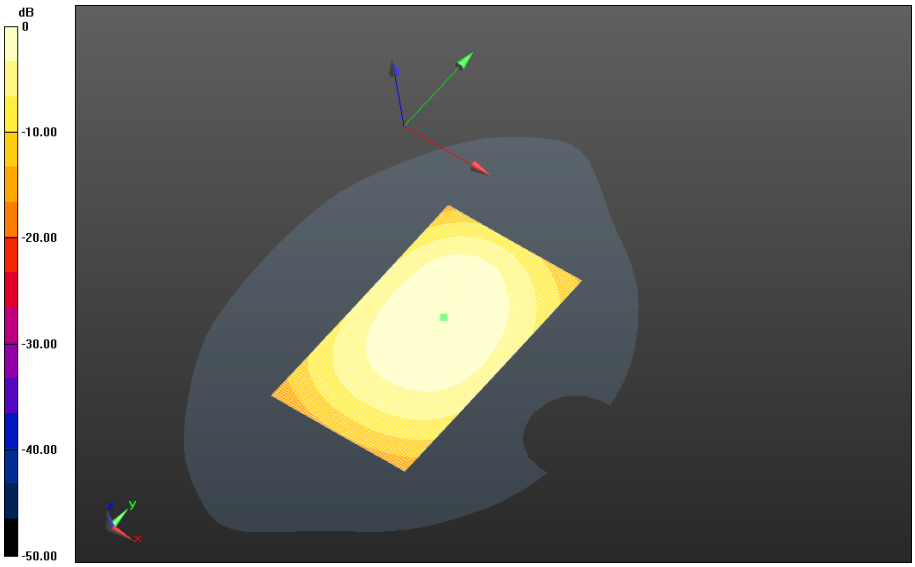
Fast SAR: SAR(1g) = 0.650 W/kg; SAR(10g) = 0.351 W/kg
Maximum value of SAR (interpolated) = 0.991 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Back - GSM850_4-slot_chan190_amb_temp_23.3C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.192 V/m; **Power Drift = 0.013 dB**

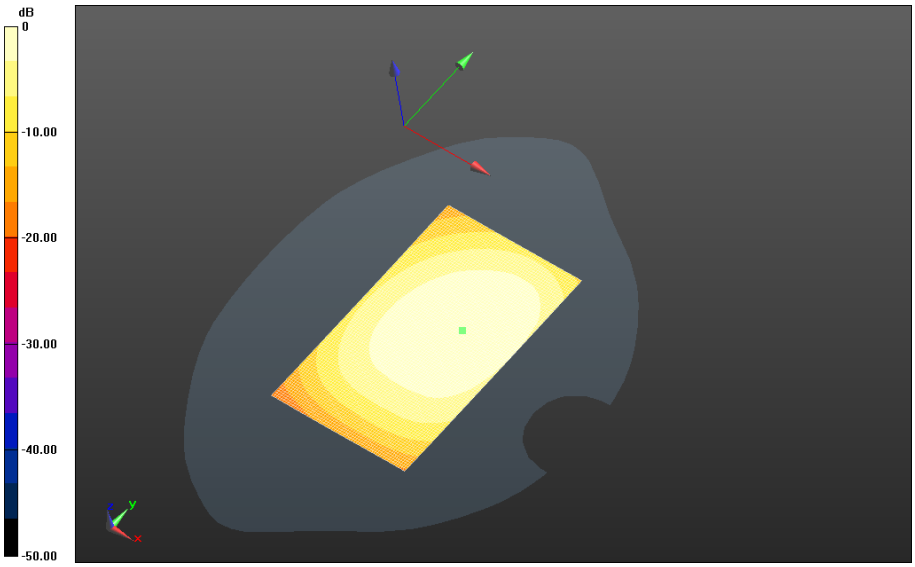
Fast SAR: SAR(1g) = 0.512 W/kg; SAR(10g) = 0.359 W/kg
Maximum value of SAR (interpolated) = 0.579 W/kg



0 dB = 0.991 W/kg = -0.04 dBW/kg

Body Worn MSL - GPRS 850/15mm Device Front - GSM850_1-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.768 V/m; **Power Drift = 0.046 dB**

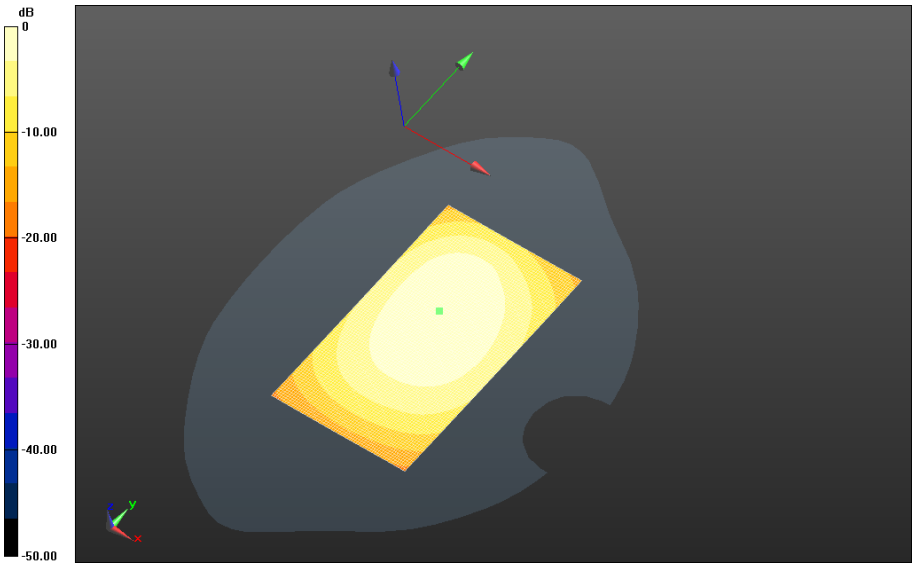
Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.353 W/kg
Maximum value of SAR (interpolated) = 0.574 W/kg



0 dB = 0.579 W/kg = -2.37 dBW/kg

Body Worn MSL - GPRS 850/Holster Device Back - GSM850_1-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.547 V/m; **Power Drift = -0.012 dB**

Fast SAR: SAR(1g) = 0.530 W/kg; SAR(10g) = 0.372 W/kg
Maximum value of SAR (interpolated) = 0.600 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg

UMTS Band V

Date: 7/4/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Body Worn MSL - UMTS band 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 = 0.988 S/m; ε_r = 57.599; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

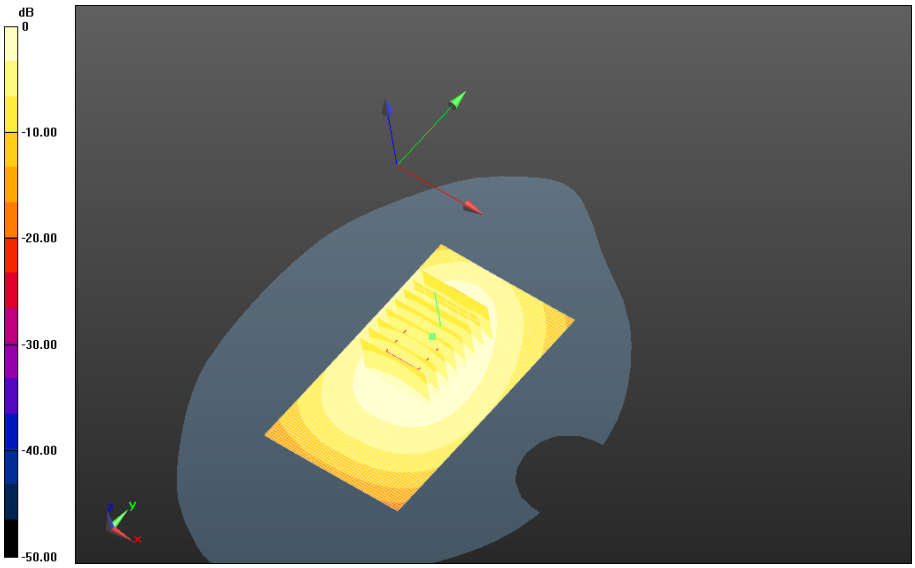
- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - UMTS band V/15mm Device Back - UMTS band V_chan4132 _amb_temp_23.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.106 V/m; **Power Drift = 0.00424 dB**

Fast SAR: SAR(1g) = 0.605 W/kg; SAR(10g) = 0.422 W/kg
Maximum value of SAR (interpolated) = 0.686 W/kg

Body Worn MSL - UMTS band V/15mm Device Back - UMTS band V_chan4132 _amb_temp_23.8C_liq_temp_21.9C/Zoom Scan (31x36x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 25.106 V/m; **Power Drift = 0.00424 dB**

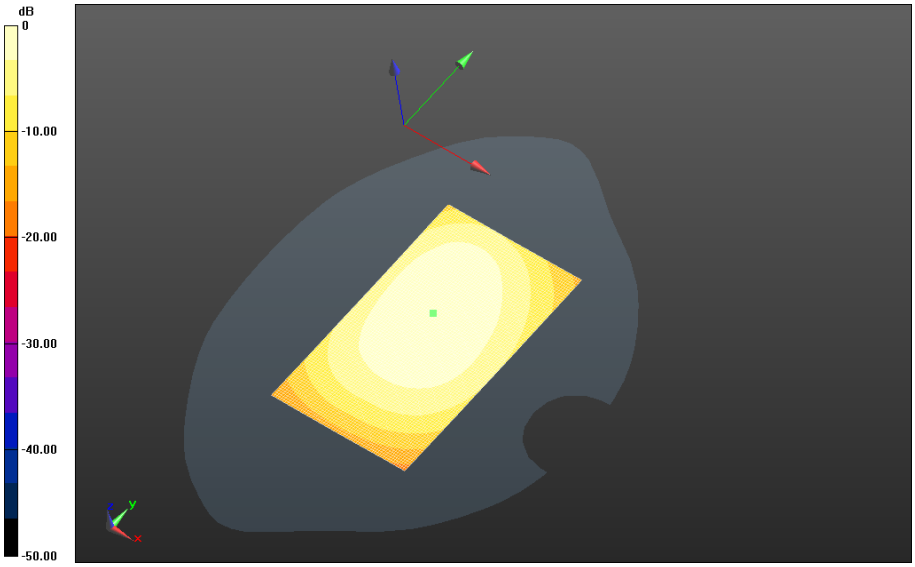
Averaged SAR: SAR(1g) = 0.591 W/kg; SAR(10g) = 0.430 W/kg
Maximum value of SAR (interpolated) = 1.38 W/kg



0 dB = 0.667 W/kg = -1.76 dBW/kg

Body Worn MSL - UMTS band V/15mm Device Back - UMTS band V_chan4182 _amb_temp_23.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.562 V/m; **Power Drift = 0.041 dB**

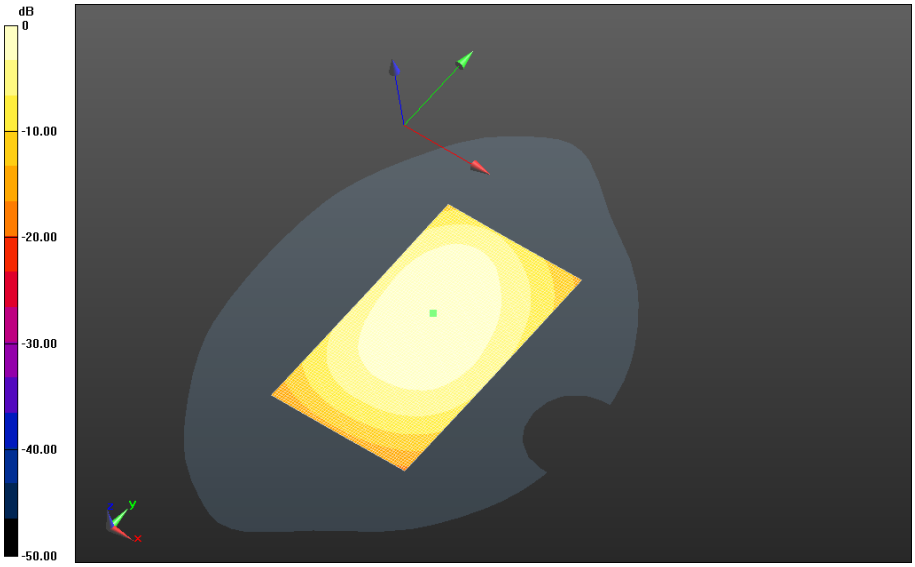
Fast SAR: SAR(1g) = 0.598 W/kg; SAR(10g) = 0.419 W/kg
Maximum value of SAR (interpolated) = 0.676 W/kg



0 dB = 0.667 W/kg = -1.76 dBW/kg

Body Worn MSL - UMTS band V/15mm Device Back - UMTS band V_chan4233 _amb_temp_23.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.313 V/m; **Power Drift = -0.098 dB**

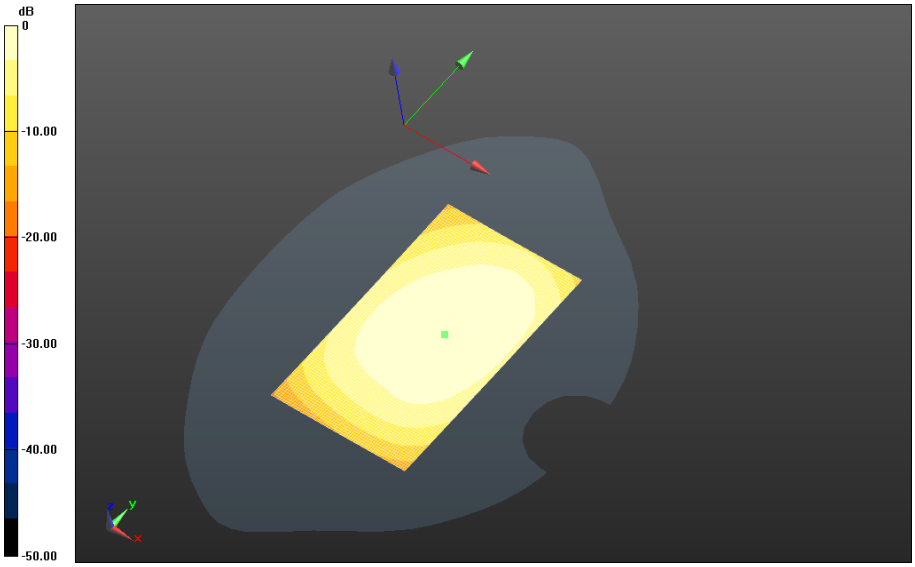
Fast SAR: SAR(1g) = 0.576 W/kg; SAR(10g) = 0.404 W/kg
Maximum value of SAR (interpolated) = 0.652 W/kg



0 dB = 0.676 W/kg = -1.70 dBW/kg

Body Worn MSL - UMTS band V/15mm Device Front - UMTS band V_chan4182 _amb_temp_24.2C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.423 V/m; **Power Drift = -0.069 dB**

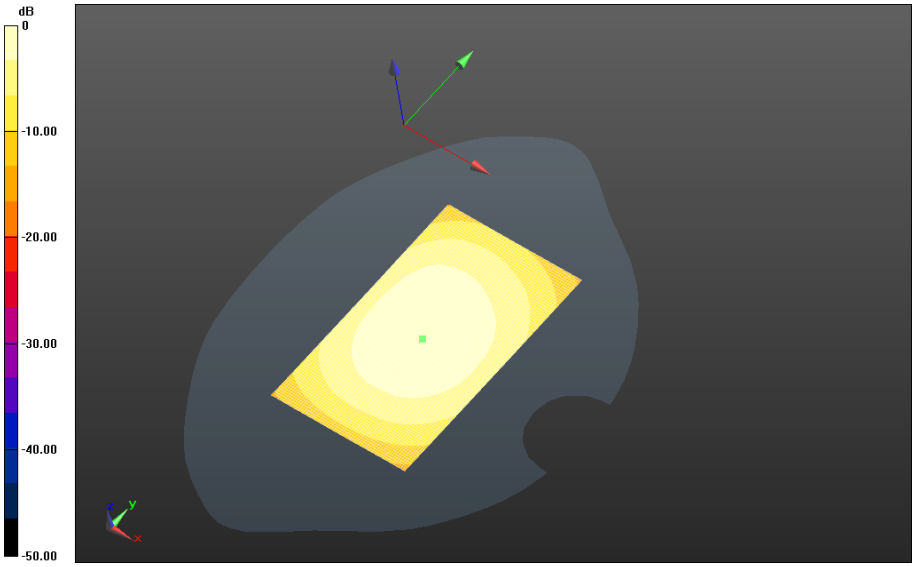
Fast SAR: SAR(1g) = 0.485 W/kg; SAR(10g) = 0.342 W/kg
Maximum value of SAR (interpolated) = 0.548 W/kg



0 dB = 0.652 W/kg = -1.86 dBW/kg

Body Worn MSL - UMTS band V/Holster Device Back - UMTS band V_chan4182 _amb_temp_24.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.215 V/m; **Power Drift = -0.156 dB**

Fast SAR: SAR(1g) = 0.521 W/kg; SAR(10g) = 0.365 W/kg
Maximum value of SAR (interpolated) = 0.591 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg

GPRS 1900

Date: 7/10/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Body Worn MSL - GPRS 1900

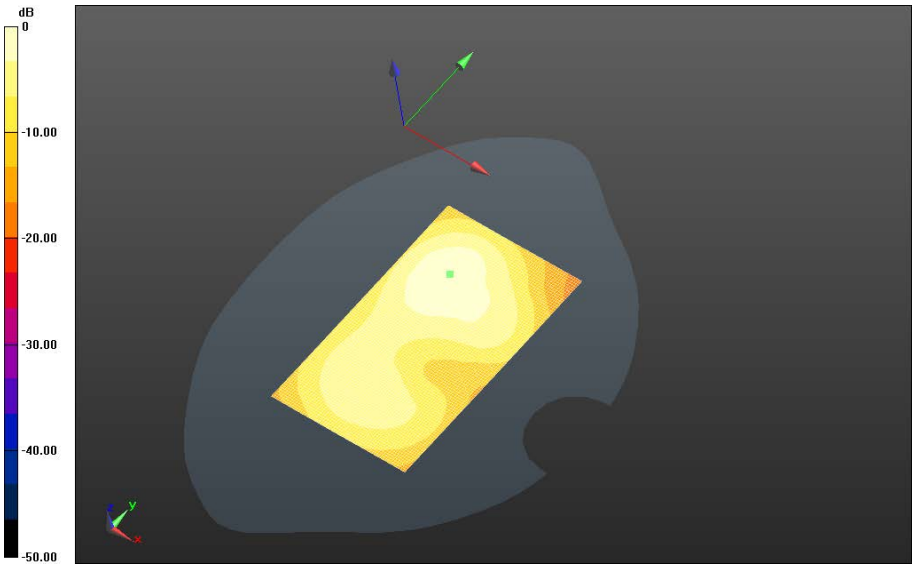
Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.496 S/m; ε_r = 50.779; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_1-slot _chan661_amb_temp_22.8C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.637 V/m; **Power Drift = 0.249 dB**

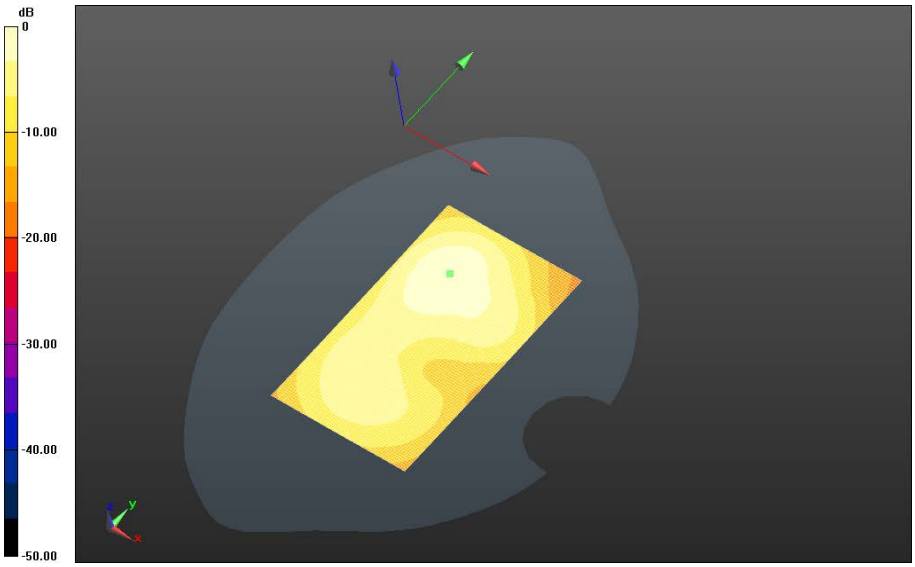
Fast SAR: SAR(1g) = 0.223 W/kg; SAR(10g) = 0.128 W/kg
Maximum value of SAR (interpolated) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_2-slot _chan512_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.962 V/m; **Power Drift = -0.067 dB**

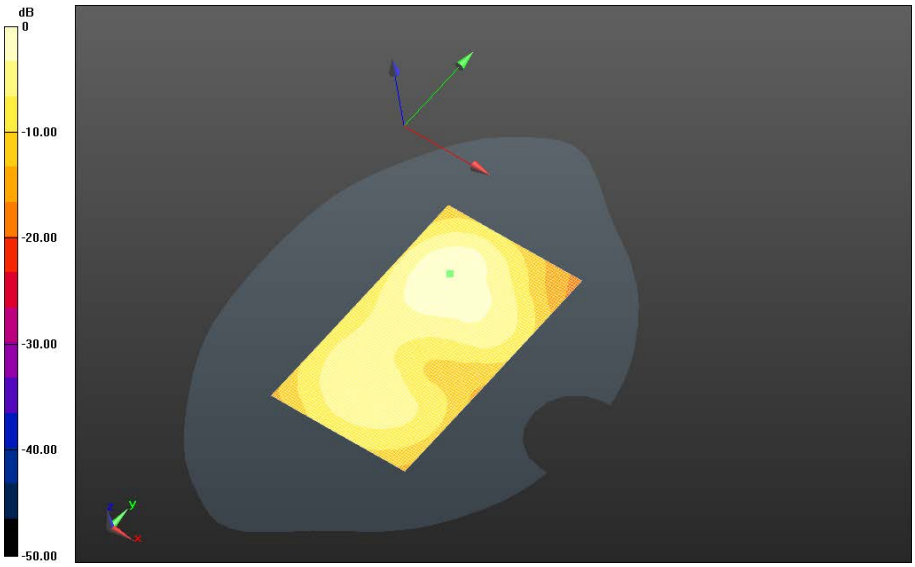
Fast SAR: SAR(1g) = 0.391 W/kg; SAR(10g) = 0.225 W/kg
Maximum value of SAR (interpolated) = 0.480 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_2-slot _chan661_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.740 V/m; **Power Drift = -0.037 dB**

Fast SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.232 W/kg
Maximum value of SAR (interpolated) = 0.499 W/kg



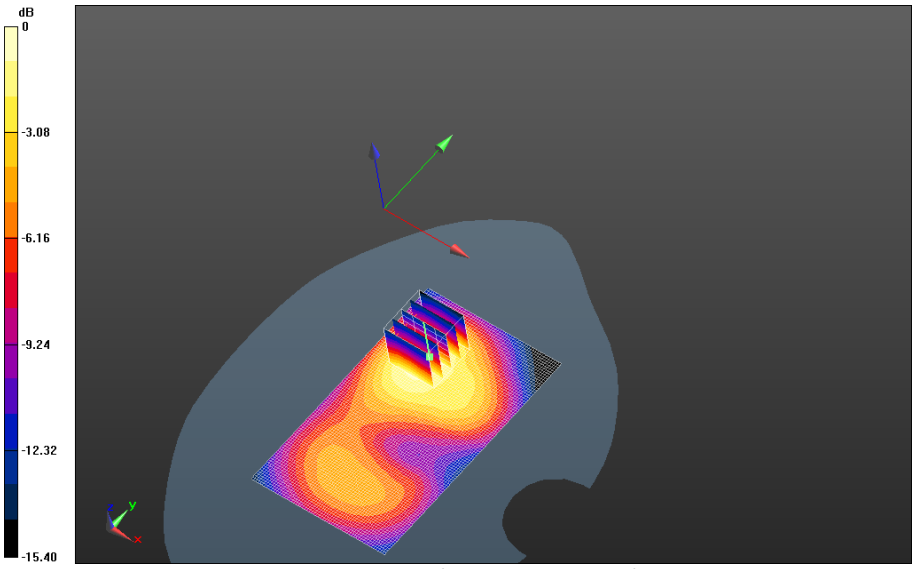
0 dB = 0.480 W/kg = -3.19 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_2-slot _chan810_amb_temp_23.7C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.964 V/m; **Power Drift = 0.00367 dB**

Fast SAR: SAR(1g) = 0.409 W/kg; SAR(10g) = 0.238 W/kg
Maximum value of SAR (interpolated) = 0.506 W/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_2-slot _chan810_amb_temp_23.7C_liq_temp_22.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.964 V/m; **Power Drift = 0.00367 dB**

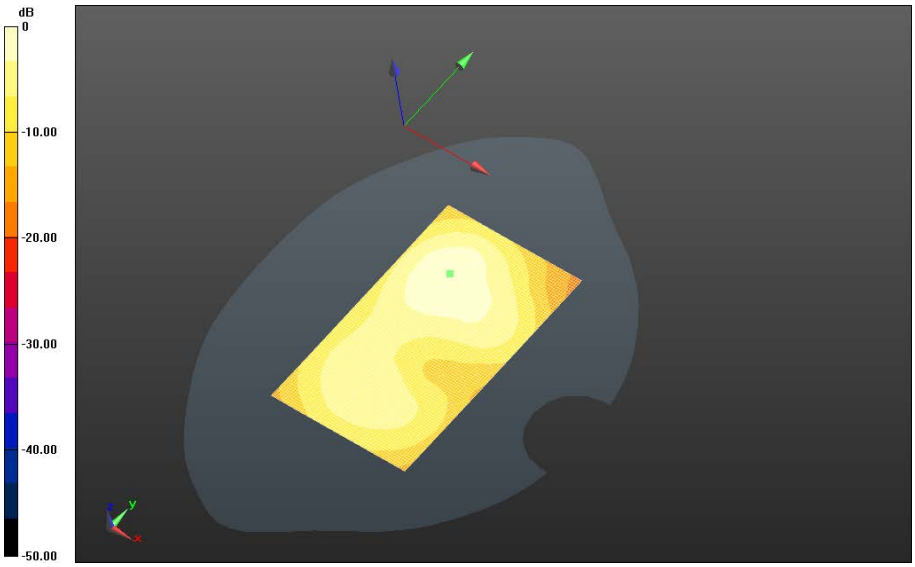
Averaged SAR: SAR(1g) = 0.408 W/kg; SAR(10g) = 0.235 W/kg
Maximum value of SAR (interpolated) = 0.704 W/kg



0 dB = 0.499 W/kg = -3.02 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_3-slot _chan661_amb_temp_22.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.020 V/m; **Power Drift = -0.149 dB**

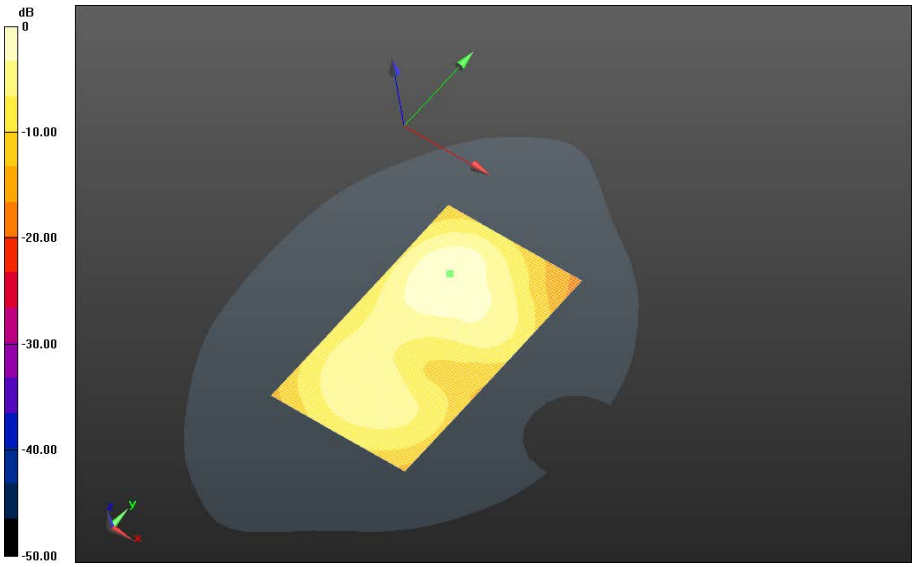
Fast SAR: SAR(1g) = 0.320 W/kg; SAR(10g) = 0.184 W/kg
Maximum value of SAR (interpolated) = 0.397 W/kg



0 dB = 0.488 W/kg = -3.12 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS 1900_4-slots_chan661_amb_temp_22.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.274 V/m; **Power Drift = -0.128 dB**

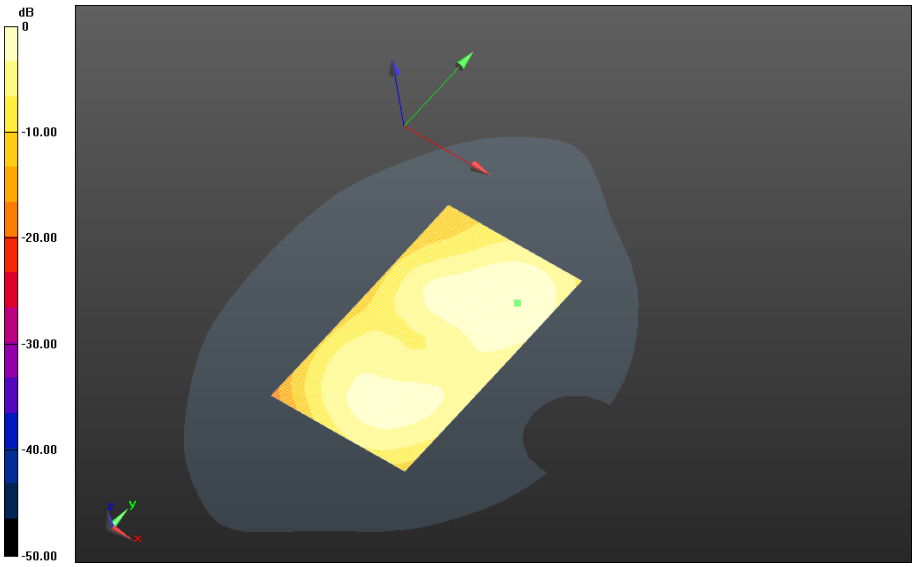
Fast SAR: SAR(1g) = 0.352 W/kg; SAR(10g) = 0.202 W/kg
Maximum value of SAR (interpolated) = 0.437 W/kg



0 dB = 0.397 W/kg = -4.01 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Front - GPRS 1900_2-slot _chan661_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.392 V/m; **Power Drift = 0.124 dB**

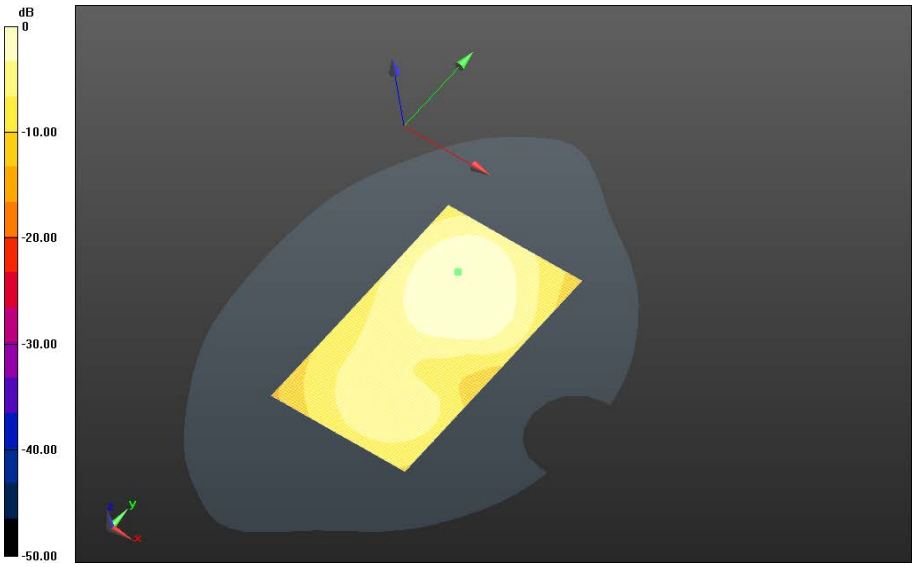
Fast SAR: SAR(1g) = 0.254 W/kg; SAR(10g) = 0.152 W/kg
Maximum value of SAR (interpolated) = 0.308 W/kg



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

Body Worn MSL - GPRS 1900/Holster Device Back - GPRS 1900_2-slot _chan661_amb_temp_23.7C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.444 V/m; **Power Drift = 0.049 dB**

Fast SAR: SAR(1g) = 0.228 W/kg; SAR(10g) = 0.137 W/kg
Maximum value of SAR (interpolated) = 0.277 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

UMTS Band II

Date: 7/9/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Body Worn HSL - UMTS Band II

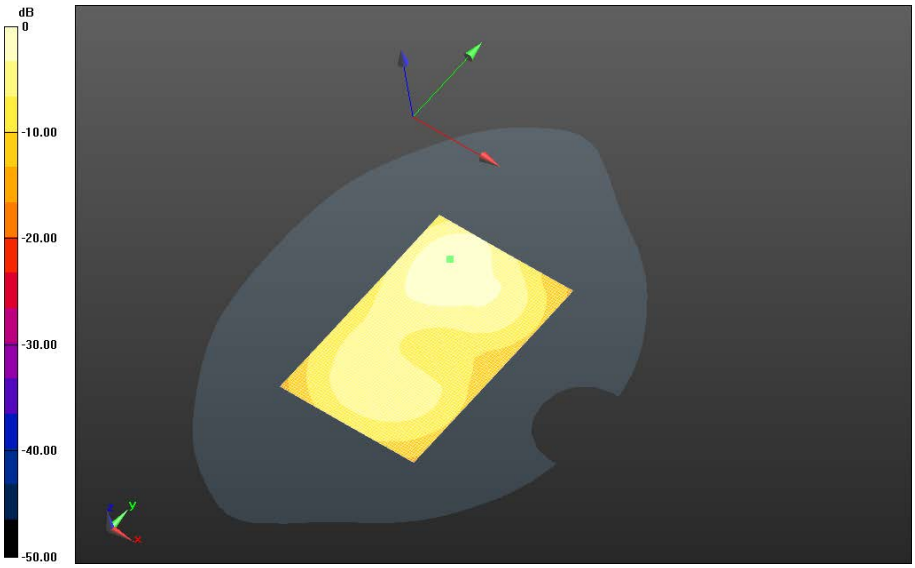
Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;
Frequency: 1852.4 MHz
Medium Parameters used: f=1852.4 MHz; σ = 1.473 S/m; ε_r = 50.853; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn HSL - UMTS Band II/15mm Device Back -UMTS Band II_chan9262_amb_temp_22.9_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.696 V/m; **Power Drift = 0.036 dB**

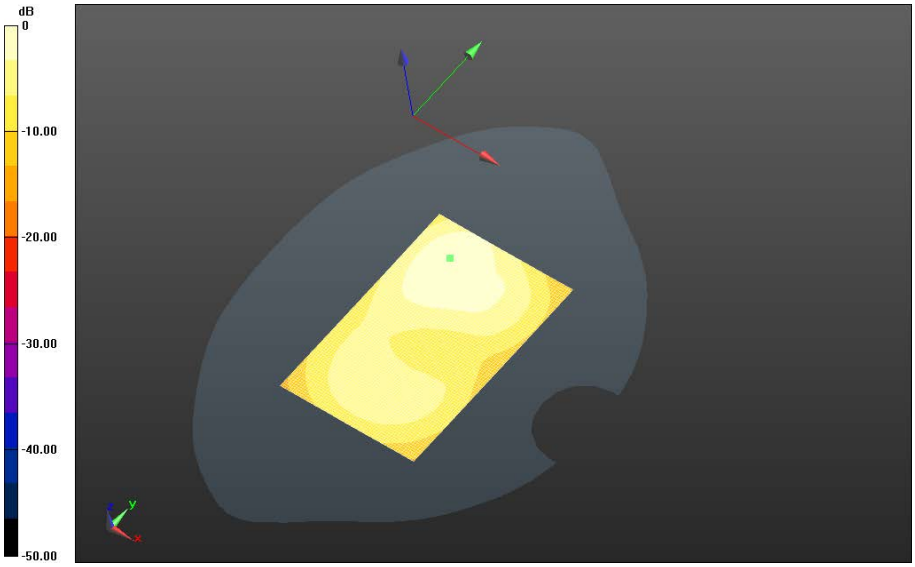
Fast SAR: SAR(1g) = 0.638 W/kg; SAR(10g) = 0.374 W/kg
Maximum value of SAR (interpolated) = 0.773 W/kg



0 dB = 0.773 W/kg = -1.12 dBW/kg

Body Worn HSL - UMTS Band II/15mm Device Back -UMTS Band II_chan9400_amb_temp_22.9C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.358 V/m; **Power Drift = -0.056 dB**

Fast SAR: SAR(1g) = 0.587 W/kg; SAR(10g) = 0.347 W/kg
Maximum value of SAR (interpolated) = 0.713 W/kg



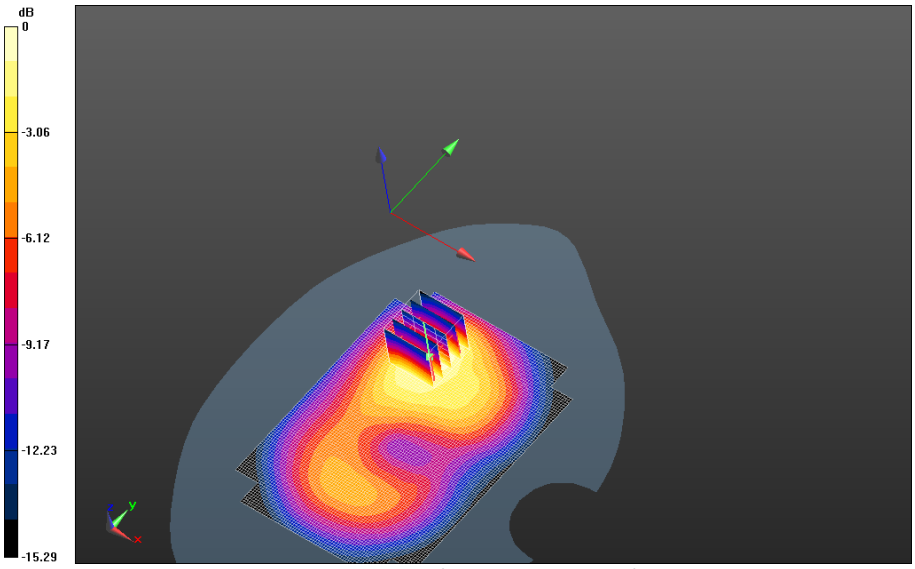
0 dB = 0.773 W/kg = -1.12 dBW/kg

Body Worn HSL - UMTS Band II/15mm Device Back -UMTS Band II_chan9538_amb_temp_22.9C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.567 V/m; **Power Drift = 0.043 dB**

Fast SAR: SAR(1g) = 0.643 W/kg; SAR(10g) = 0.378 W/kg
Maximum value of SAR (interpolated) = 0.792 W/kg

Body Worn HSL - UMTS Band II/15mm Device Back -UMTS Band II_chan9538_amb_temp_22.9C_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 = 9.567 V/m; **Power Drift = 0.043 dB**

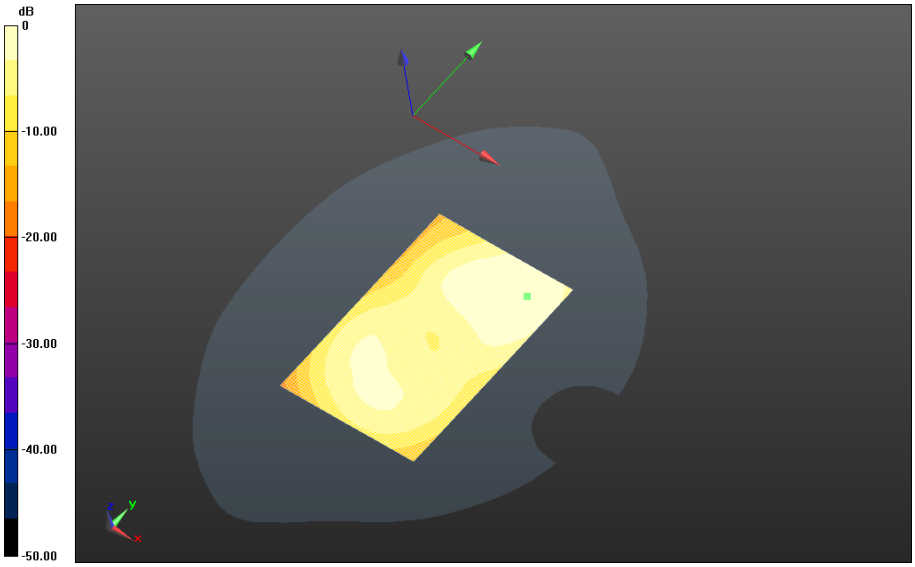
Averaged SAR: SAR(1g) = 0.656 W/kg; SAR(10g) = 0.382 W/kg
Maximum value of SAR (interpolated) = 1.10 W/kg



0 dB = 0.713 W/kg = -1.47 dBW/kg

Body Worn HSL - UMTS Band II/15mm Device Front -UMTS Band II_chan9400_amb_temp_22.8C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.779 V/m; **Power Drift = 0.047 dB**

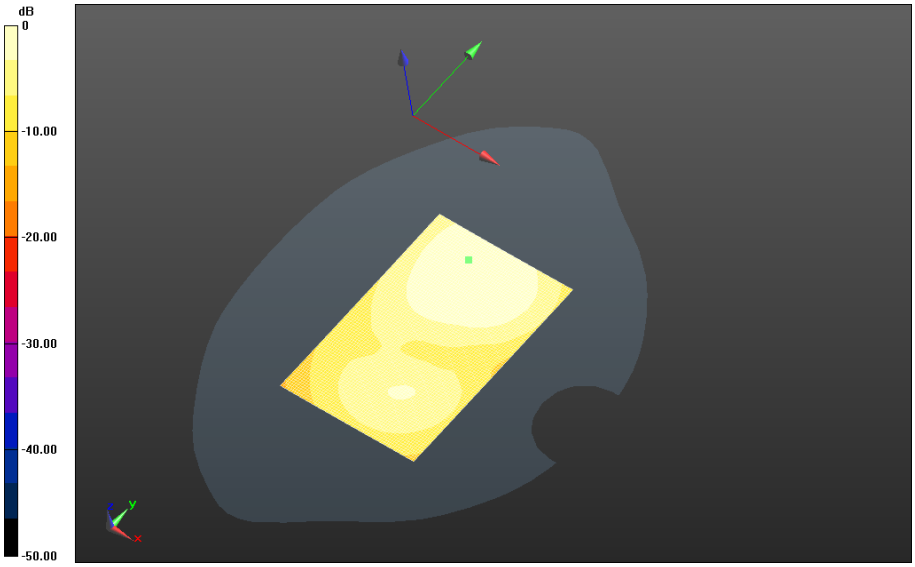
Fast SAR: SAR(1g) = 0.438 W/kg; SAR(10g) = 0.259 W/kg
Maximum value of SAR (interpolated) = 0.536 W/kg



0 dB = 0.795 W/kg = -1.00 dBW/kg

Body Worn HSL - UMTS Band II/Holster Device Back -UMTS Band II_chan9400_amb_temp_22.8C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.274 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.277 W/kg; SAR(10g) = 0.170 W/kg
Maximum value of SAR (interpolated) = 0.331 W/kg



0 dB = 0.536 W/kg = -2.71 dBW/kg

802.11b

Date: 7/17/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Body Worn MSL - 802.11b

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;
Frequency: 2412 MHz
Medium Parameters used: f=2412 MHz; σ = 1.952 S/m; ε_r = 50.540; ρ = 1.000 g/cm^3
Phantom section: Flat Section

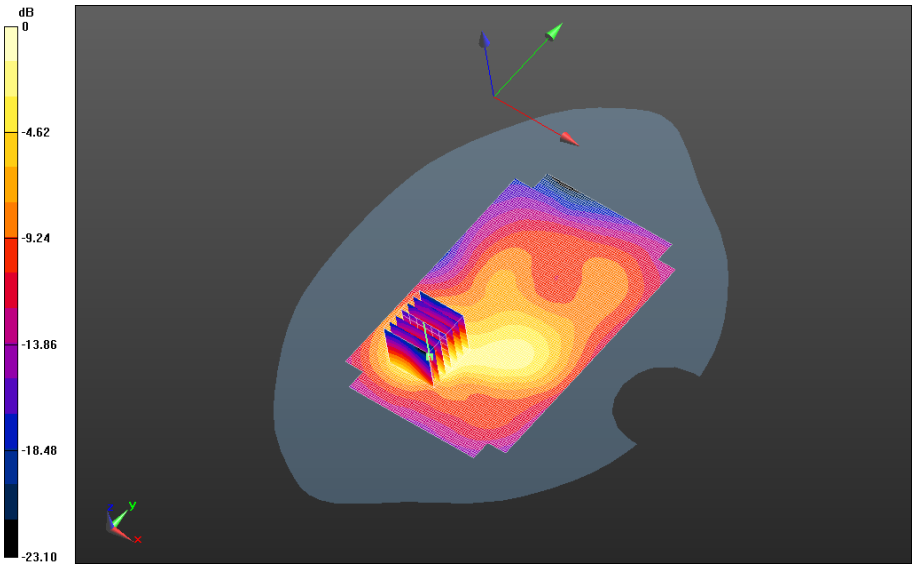
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.1C_liq_temp_21.9C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.184 W/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan1_amb_temp_23.1C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.431 V/m; **Power Drift = 0.010 dB**

Averaged SAR: SAR(1g) = 0.140 W/kg; SAR(10g) = 0.0713 W/kg
Maximum value of SAR (interpolated) = 0.268 W/kg

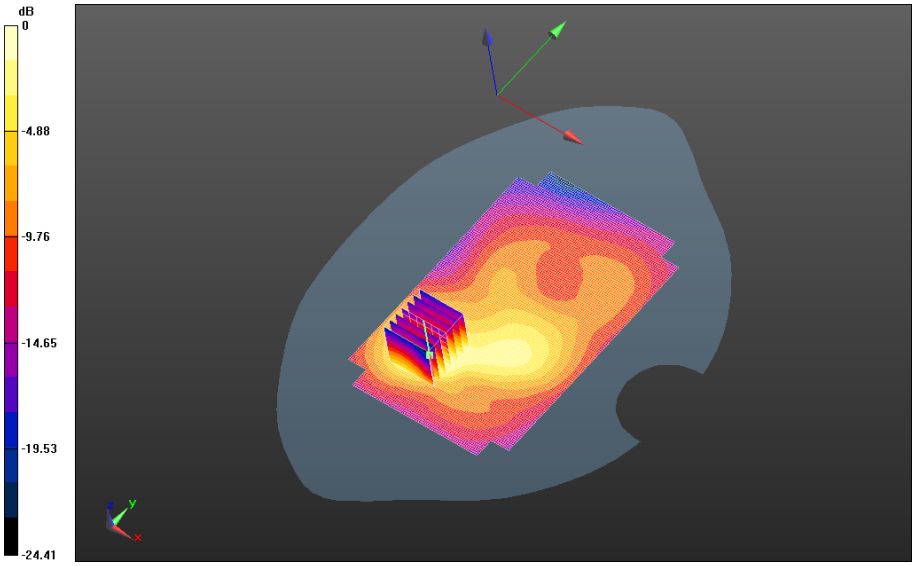


0 dB = 0.176 W/kg = -7.54 dBW/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_21.9C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.209 W/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.260 V/m; **Power Drift = 0.061 dB**

Averaged SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.0798 W/kg
Maximum value of SAR (interpolated) = 0.300 W/kg

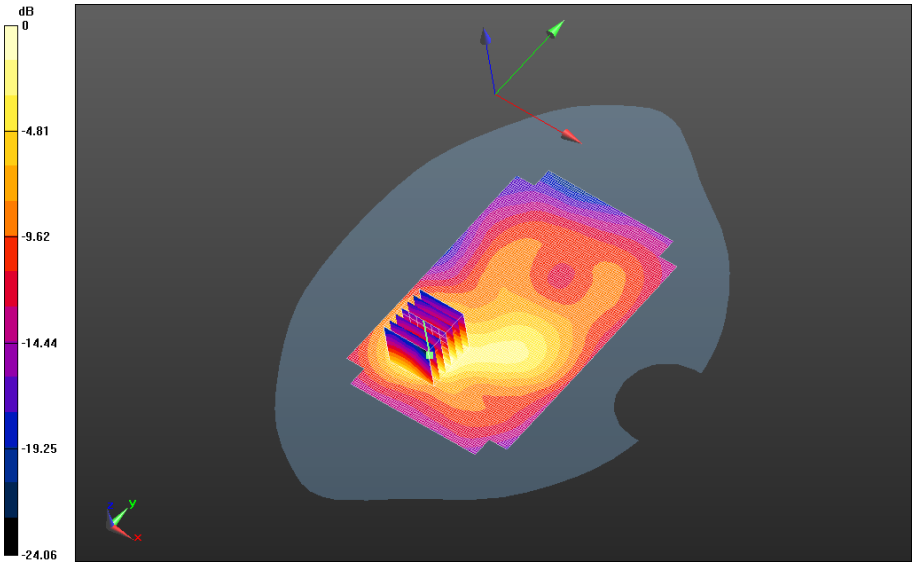


0 dB = 0.176 W/kg = -7.54 dBW/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.1C_liq_temp_22.0C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.204 W/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan11_amb_temp_23.1C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.025 V/m; **Power Drift = 0.073 dB**

Averaged SAR: SAR(1g) = 0.156 W/kg; SAR(10g) = 0.0784 W/kg
Maximum value of SAR (interpolated) = 0.303 W/kg

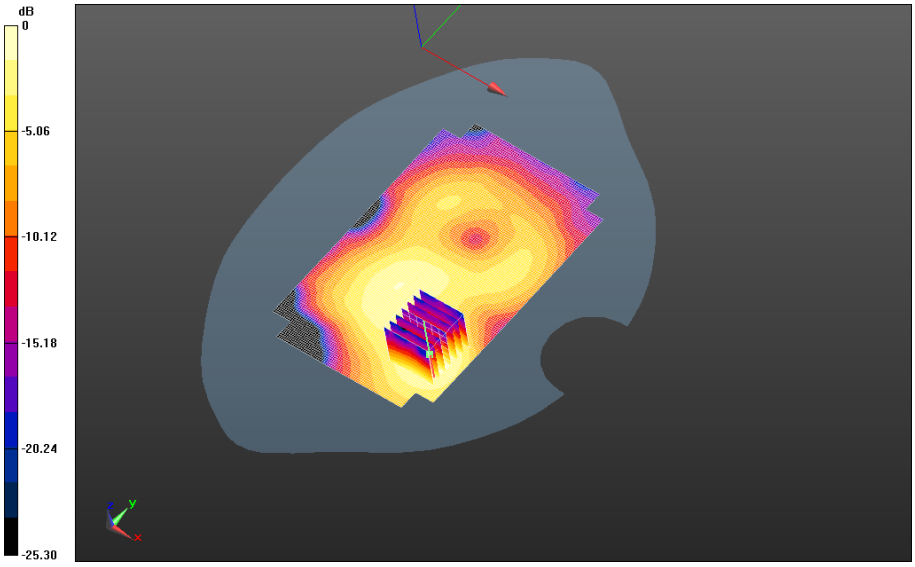


0 dB = 0.198 W/kg = -7.03 dBW/kg

Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan6_amb_temp_23.2C_liq_temp_21.9C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0528 W/kg

Body Worn MSL - 802.11b/15mm Device Front - 802.11b_chan6_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 3.591 V/m; **Power Drift = 0.010 dB**

Averaged SAR: SAR(1g) = 0.0421 W/kg; SAR(10g) = 0.0220 W/kg
Maximum value of SAR (interpolated) = 0.0815 W/kg

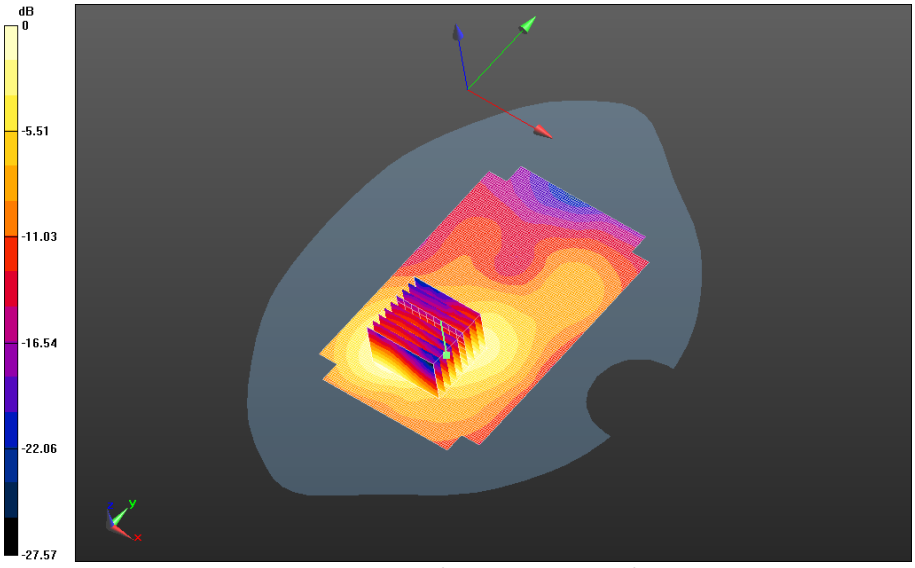


0 dB = 0.119 W/kg = -9.24 dBW/kg

Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan6_amb_temp_24.1C_liq_temp_22.4C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Body Worn MSL - 802.11b/Holster Device Back - 802.11b_chan6_amb_temp_24.1C_liq_temp_22.4C/Zoom Scan (46x41x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 4.029 V/m; **Power Drift = 0.055 dB**

Averaged SAR: SAR(1g) = 0.0931 W/kg; SAR(10g) = 0.0523 W/kg
Maximum value of SAR (interpolated) = 0.188 W/kg



0 dB = 0.198 W/kg = -7.03 dBW/kg

802.11b Spot Check

Date: 7/18/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC317

Configuration: Body Worn MSL - 802.11b

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz, Communication System PAR: 0 dB; PMF: 1; Duty Cycle: 1:1
Medium Parameters used: f=2437 MHz; σ = 1.986 S/m; ε_r = 50.450; ρ = 1.000 g/cm^3
Phantom section: Flat Section

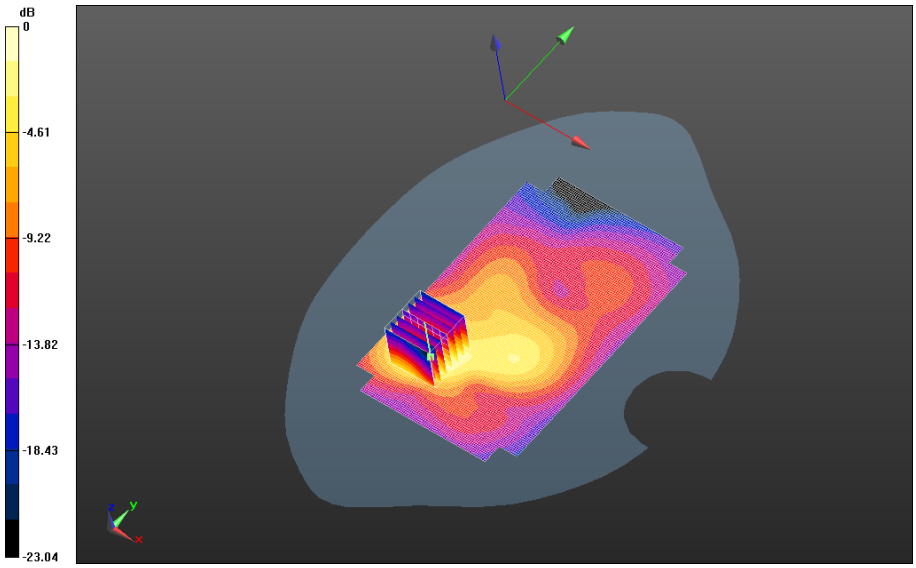
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_22.6C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.227 W/kg

Body Worn MSL - 802.11b/15mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.542 V/m; Power Drift = -0.044 dB

Averaged SAR: SAR(1g) = 0.176 W/kg; SAR(10g) = 0.0896 W/kg
Maximum value of SAR (interpolated) = 0.336 W/kg



0 dB = 0.223 W/kg = -6.52 dBW/kg

Bluetooth

Date: 7/18/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Body Worn MSL - BT

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; σ = 1.992 S/m; ε_r = 50.443; ρ = 1.000 g/cm^3
Phantom section: Flat Section

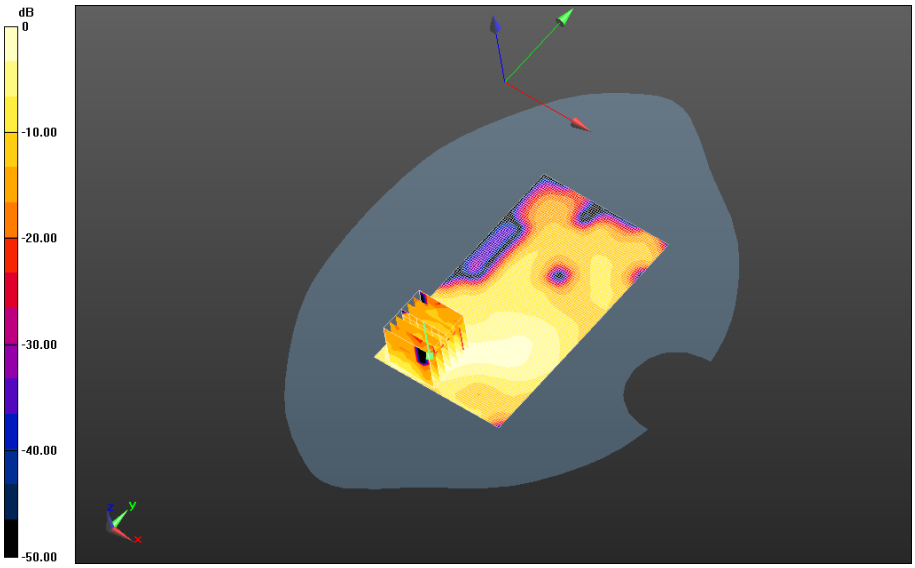
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - BT/15mm Device Back - Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.0C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0167 W/kg

Body Worn MSL - BT/15mm Device Back - Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.354 V/m; **Power Drift = -0.192 dB**

Averaged SAR: SAR(1g) = 0.0133 W/kg; SAR(10g) = 0.00646 W/kg
Maximum value of SAR (interpolated) = 0.0254 W/kg



0 dB = 0.0169 W/kg = -17.72 dBW/kg

802.11a

Date: 7/30/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Body Worn MSL - 802.11a 5200 MHz

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 5.352 S/m; ε_r = 47.252; ρ = 1.000 g/cm^3
Phantom section: Flat Section

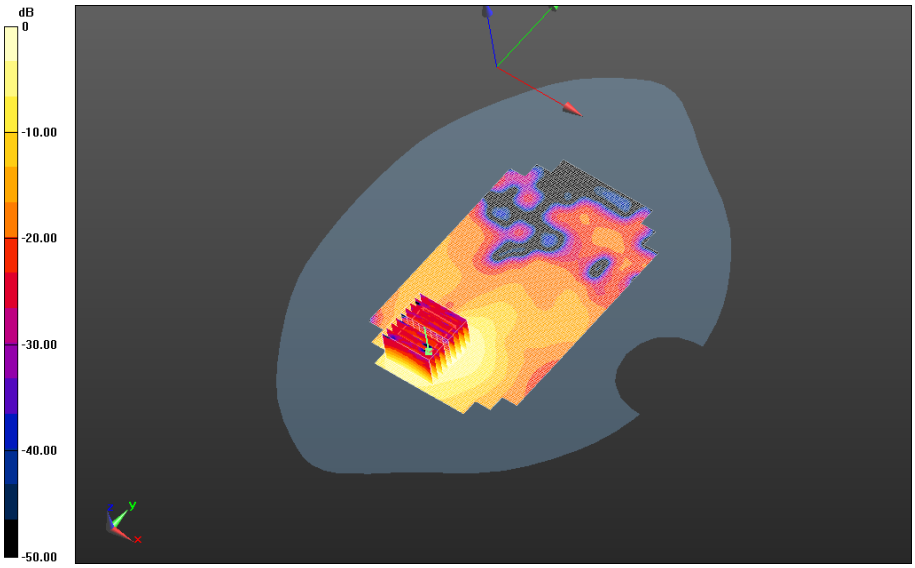
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.83,4.83,4.83); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan36_low_band_Amb_Temp_23.4C_Liquid_Temp_21.7C/Area Scan (181x241x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.48 W/kg

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan36_low_band_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.157 V/m; **Power Drift = -0.046 dB**

Averaged SAR: SAR(1g) = 0.818 W/kg; SAR(10g) = 0.313 W/kg
Maximum value of SAR (interpolated) = 3.14 W/kg

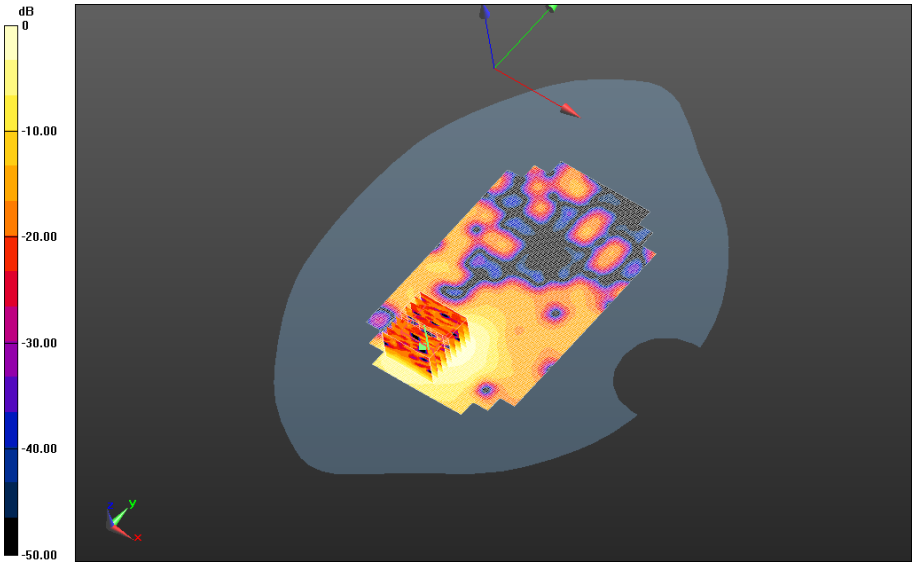


0 dB = 1.48 W/kg = 1.70 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan48_low_band_Amb_Temp_22.8C_Liquid_Temp_21.4C/Area Scan (181x241x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.252 W/kg

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan48_low_band_Amb_Temp_22.8C_Liquid_Temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.682 V/m; **Power Drift = 0.101 dB**

Averaged SAR: SAR(1g) = 0.139 W/kg; SAR(10g) = 0.0532 W/kg
Maximum value of SAR (interpolated) = 0.515 W/kg

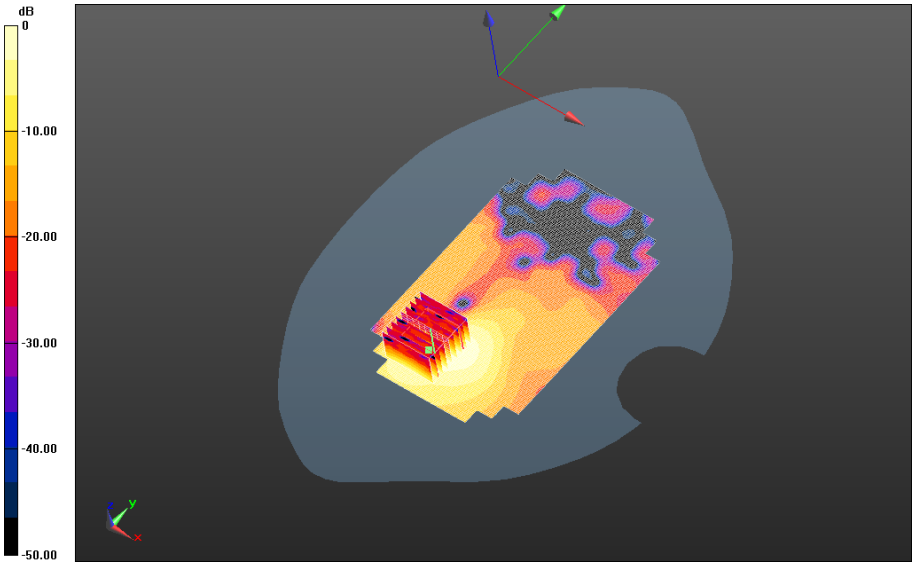


0 dB = 1.48 W/kg = 1.70 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan52_low_band_Amb_Temp_23.3C_Liquid_Temp_21.7C/Area Scan (181x241x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Body Worn MSL - 802.11a 5200 MHz/15mm Device Back - 802.11a_chan52_low_band_Amb_Temp_23.3C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.494 V/m; **Power Drift = 0.094 dB**

Averaged SAR: SAR(1g) = 0.627 W/kg; SAR(10g) = 0.244 W/kg
Maximum value of SAR (interpolated) = 2.45 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Date: 7/31/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Body Worn MSL - 802.11a 5500 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.713 S/m; ε_r = 47.371; ρ = 1.000 g/cm^3
Phantom section: Flat Section

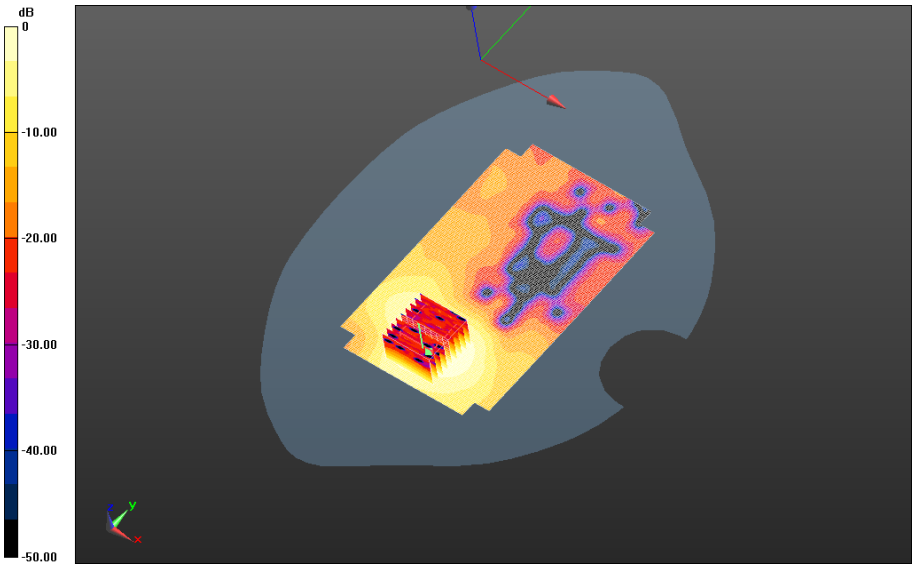
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.33,4.33,4.33); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - 802.11a 5500 MHz/15mm Device Back - 802.11a_chan104_upper_bandI_Amb_Temp_23.0C_Liquid_Temp_21.4C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.895 W/kg

Body Worn MSL - 802.11a 5500 MHz/15mm Device Back - 802.11a_chan104_upper_bandI_Amb_Temp_23.0C_Liquid_Temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.633 V/m; **Power Drift = 0.203 dB**

Averaged SAR: SAR(1g) = 0.496 W/kg; SAR(10g) = 0.215 W/kg
Maximum value of SAR (interpolated) = 1.77 W/kg



0 dB = 0.892 W/kg = -0.50 dBW/kg

Date: 7/31/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEC30B

Configuration: Body Worn MSL - 802.11a 5800 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz
Medium Parameters used: f=5745 MHz; σ = 6.060 S/m; ε_r = 47.036; ρ = 1.000 g/cm^3
Phantom section: Flat Section

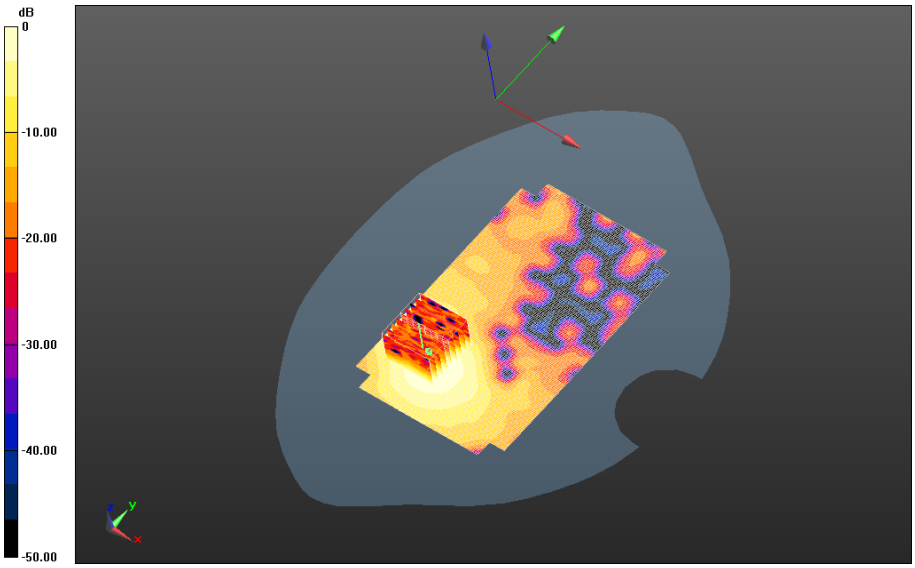
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.36,4.36,4.36); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan149_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.407 W/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan149_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.150 V/m; **Power Drift = 0.219 dB**

Averaged SAR: SAR(1g) = 0.226 W/kg; SAR(10g) = 0.0885 W/kg
Maximum value of SAR (interpolated) = 0.869 W/kg

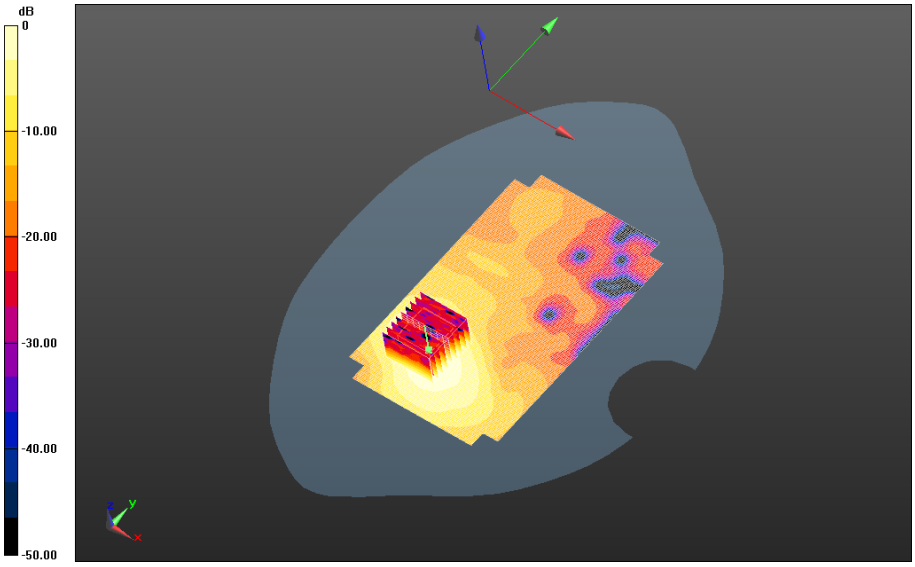


0 dB = 0.409 W/kg = -3.88 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan153_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan153_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.191 V/m; **Power Drift = -0.013 dB**

Averaged SAR: SAR(1g) = 0.663 W/kg; SAR(10g) = 0.263 W/kg
Maximum value of SAR (interpolated) = 2.52 W/kg

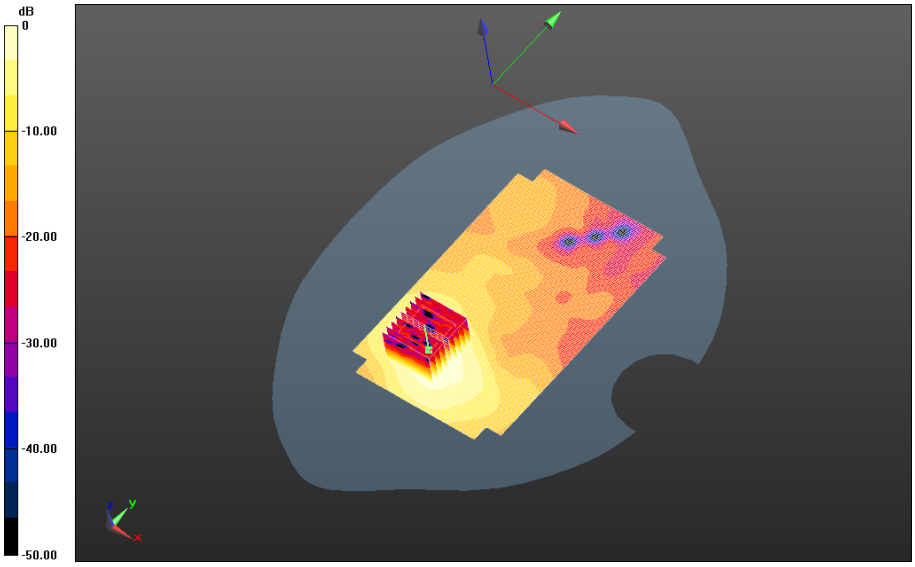


0 dB = 0.409 W/kg = -3.88 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan157_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan157_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.593 V/m; **Power Drift = -0.172 dB**

Averaged SAR: SAR(1g) = 0.646 W/kg; SAR(10g) = 0.257 W/kg
Maximum value of SAR (interpolated) = 2.49 W/kg

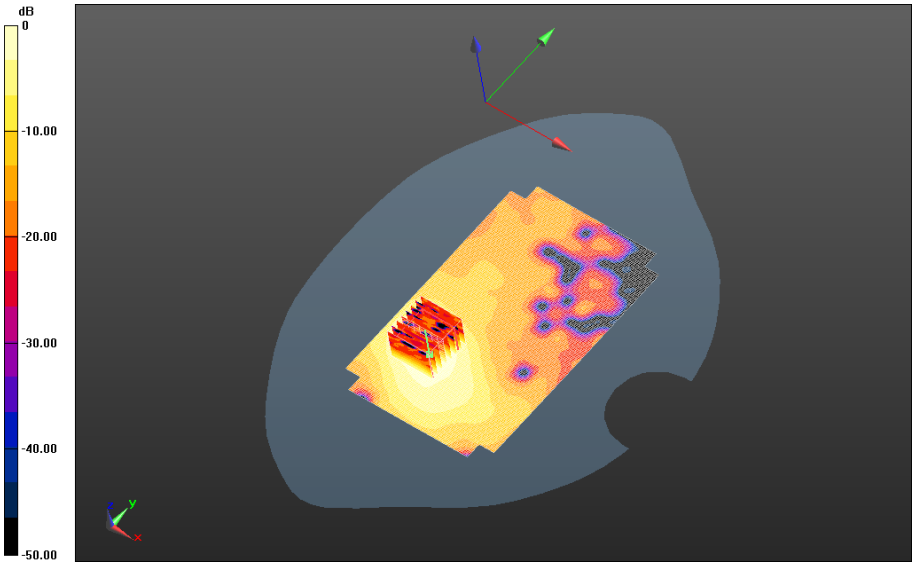


0 dB = 1.21 W/kg = 0.83 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan165_upper_bandII_Amb_Temp_22.8C_Liquid_Temp_21.9C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.443 W/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a_chan165_upper_bandII_Amb_Temp_22.8C_Liquid_Temp_21.9C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.131 V/m; **Power Drift = 0.551 dB**

Averaged SAR: SAR(1g) = 0.248 W/kg; SAR(10g) = 0.0950 W/kg
Maximum value of SAR (interpolated) = 1.03 W/kg

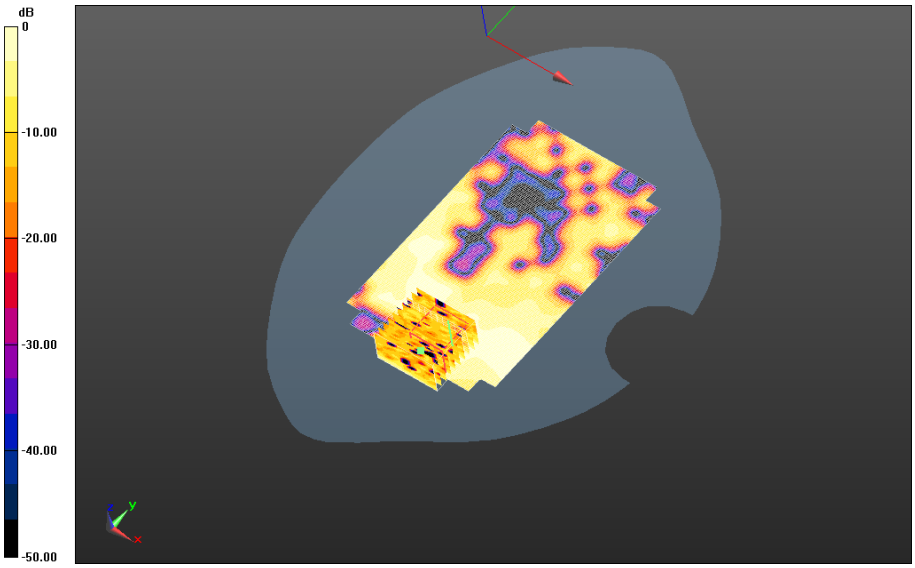


0 dB = 1.19 W/kg = 0.76 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Front - 802.11a_chan153_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0509 W/kg

Body Worn MSL - 802.11a 5800 MHz/15mm Device Front - 802.11a_chan153_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Zoom Scan (51x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.830 V/m; **Power Drift = -0.208 dB**

Averaged SAR: SAR(1g) = 0.0262 W/kg; SAR(10g) = 0.0107 W/kg
Maximum value of SAR (interpolated) = 0.239 W/kg

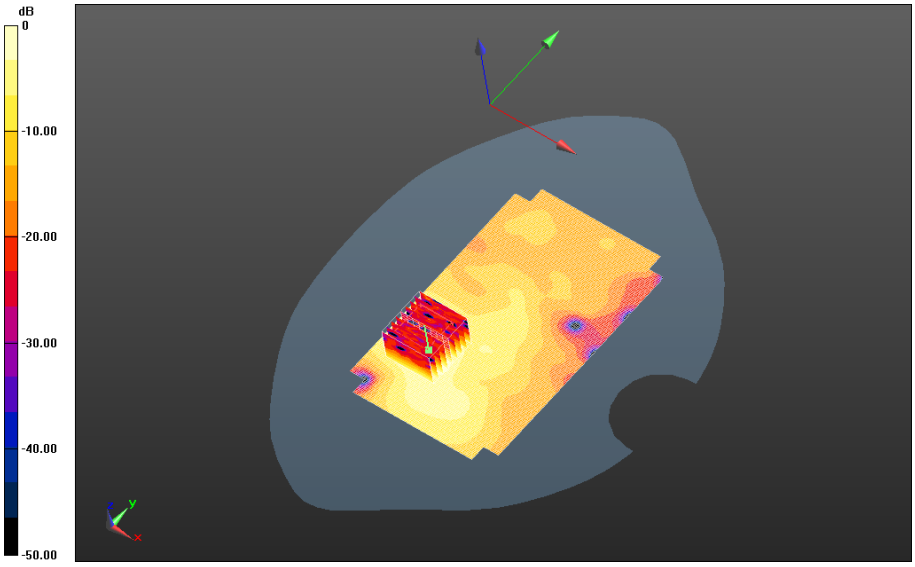


0 dB = 0.473 W/kg = -3.25 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/Holster Device Back - 802.11a_chan153_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.880 W/kg

Body Worn MSL - 802.11a 5800 MHz/Holster Device Back - 802.11a_chan153_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.867 V/m; **Power Drift = 0.00392 dB**

Averaged SAR: SAR(1g) = 0.464 W/kg; SAR(10g) = 0.180 W/kg
Maximum value of SAR (interpolated) = 1.81 W/kg



0 dB = 0.0563 W/kg = -12.49 dBW/kg