APPENDIX B: SAR DISTRIBUTION PLOTS FOR EACH CONFIGURATION PART 2 of 3 (1800 – 1900 MHz)

LTE Band 4

Date: 4/14/2015

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

Configuration: Right-Hand-Side HSL -LTE band 4

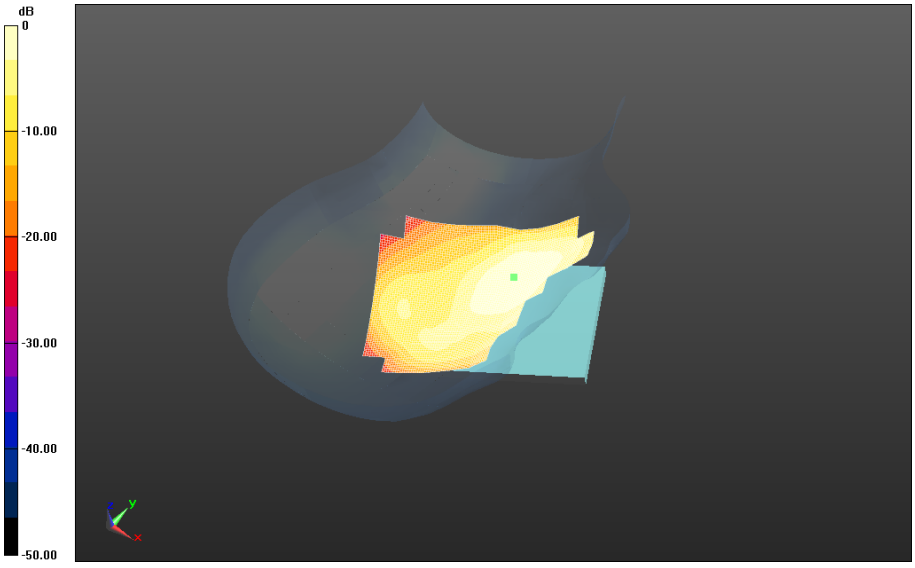
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.372 S/m; ε_r = 38.574; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_24.2C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.032 V/m; **Power Drift = 0.00349 dB**

Fast SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.299 W/kg
Maximum value of SAR (interpolated) = 0.534 W/kg



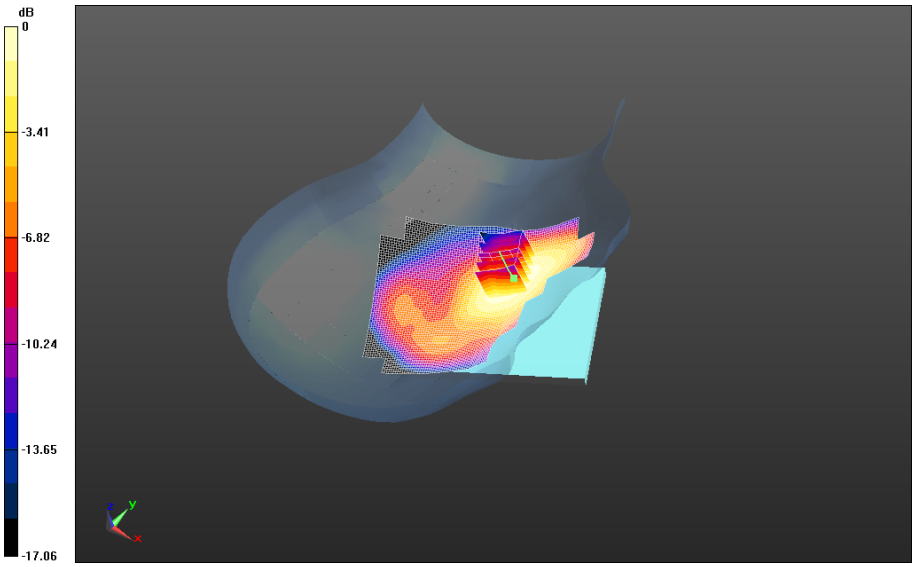
0 dB = 0.534 W/kg = -2.72 dBW/kg

Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_24.2C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.048 V/m; **Power Drift = -0.039 dB**

Fast SAR: SAR(1g) = 0.512 W/kg; SAR(10g) = 0.311 W/kg
Maximum value of SAR (interpolated) = 0.557 W/kg

Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_24.2C_liq_temp_20.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.048 V/m; **Power Drift = -0.039 dB**

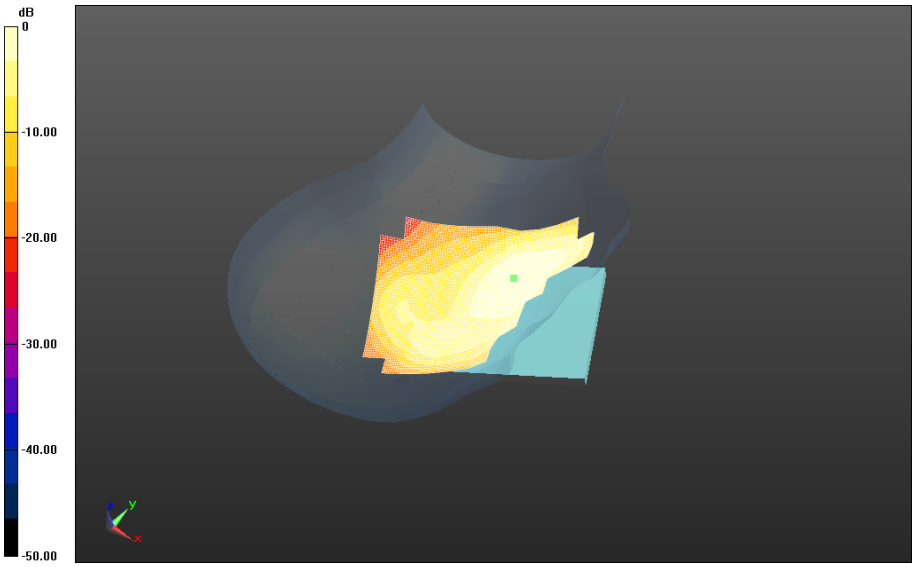
Averaged SAR: SAR(1g) = 0.483 W/kg; SAR(10g) = 0.325 W/kg
Maximum value of SAR (interpolated) = 0.634 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_24.2C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.700 V/m; **Power Drift = -0.043 dB**

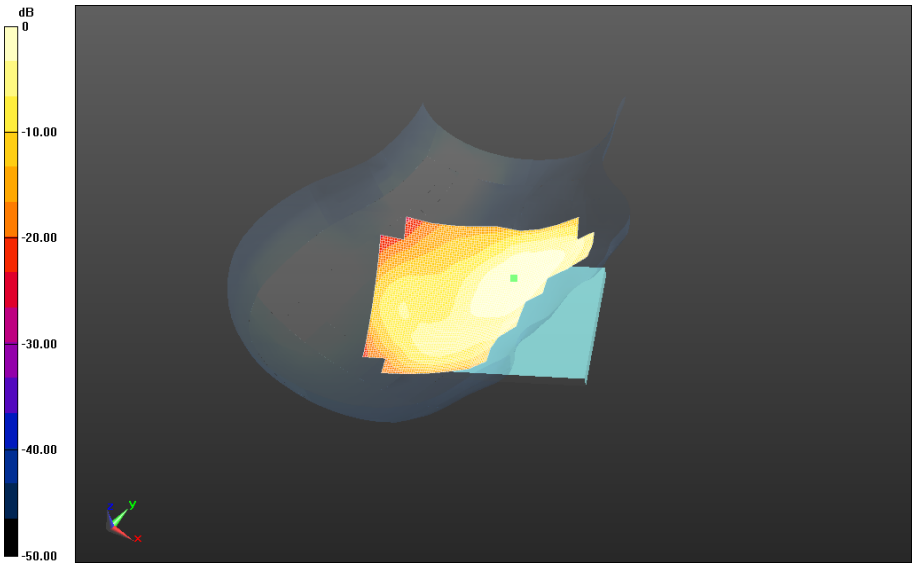
Fast SAR: SAR(1g) = 0.458 W/kg; SAR(10g) = 0.278 W/kg
Maximum value of SAR (interpolated) = 0.501 W/kg



0 dB = 0.501 W/kg = -3.00 dBW/kg

Right-Hand-Side HSL -LTE band 4/Touch Position -LTE band 4_chan20300_20MHz_BW_RB50_Offset_High_amb_temp_24.0C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.574 V/m; **Power Drift = -0.00783 dB**

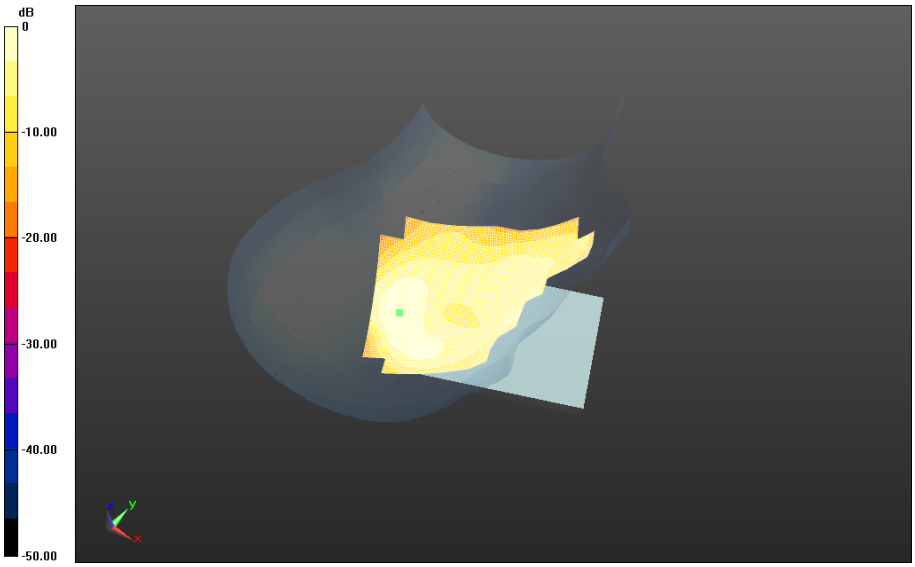
Fast SAR: SAR(1g) = 0.374 W/kg; SAR(10g) = 0.226 W/kg
Maximum value of SAR (interpolated) = 0.409 W/kg



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

Right-Hand-Side HSL -LTE band 4/Tilt Position -LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.553 V/m; **Power Drift = -0.094 dB**

Fast SAR: SAR(1g) = 0.228 W/kg; SAR(10g) = 0.128 W/kg
Maximum value of SAR (interpolated) = 0.255 W/kg



0 dB = 0.255 W/kg = -5.93 dBW/kg

Date: 4/14/2015

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

Configuration: Left-Hand-Side HSL - LTE band 4

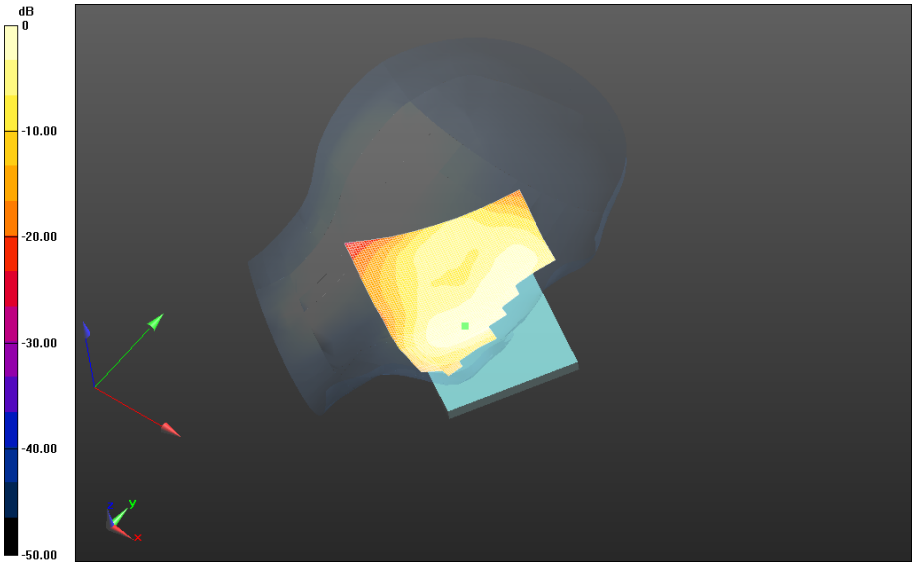
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1745 MHz
Medium Parameters used: f=1745 MHz; σ = 1.399 S/m; ε_r = 38.500; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE band 4/Touch Position -LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.135 V/m; **Power Drift = 0.069 dB**

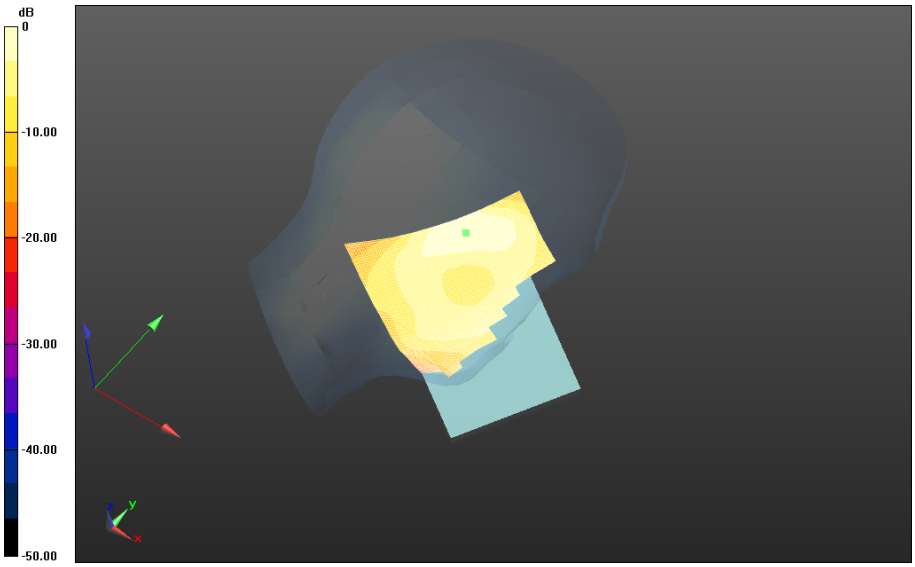
Fast SAR: SAR(1g) = 0.262 W/kg; SAR(10g) = 0.164 W/kg
Maximum value of SAR (interpolated) = 0.284 W/kg



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

Left-Hand-Side HSL - LTE band 4/Tilt Position -LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.221 V/m; **Power Drift = 0.048 dB**

Fast SAR: SAR(1g) = 0.205 W/kg; SAR(10g) = 0.121 W/kg
Maximum value of SAR (interpolated) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Date: 4/15/2015

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

Configuration: Mobile Hot Spot MSL - LTE Band 4

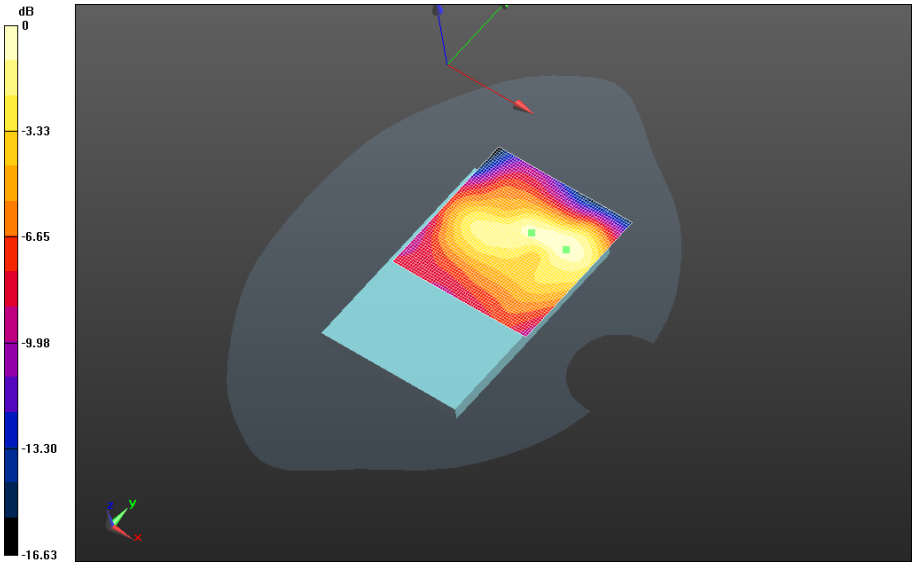
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.501 S/m; ε_r = 51.748; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_20.7C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.821 V/m; **Power Drift = -0.00985 dB**

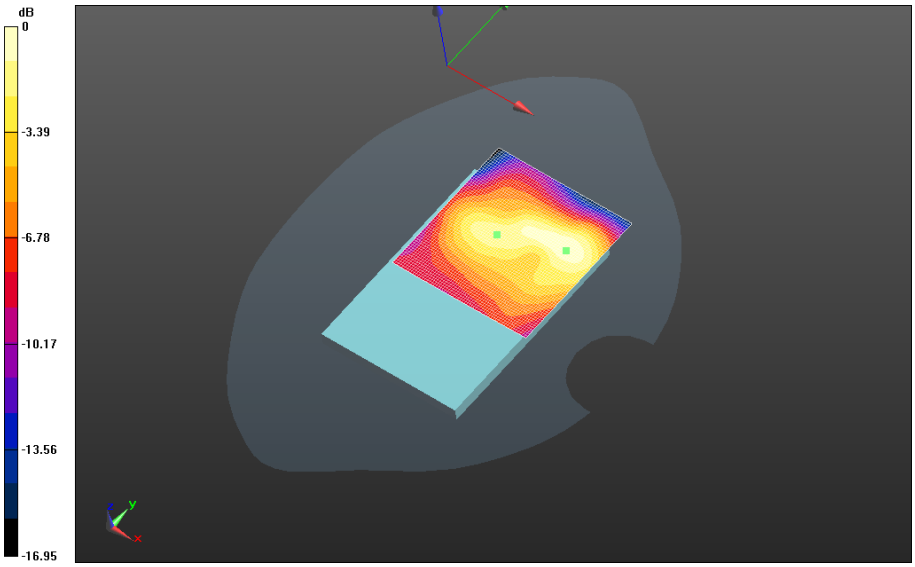
Fast SAR: SAR(1g) = 0.802 W/kg; SAR(10g) = 0.449 W/kg; Secondary SAR(1g) = 0.760 W/kg
Maximum value of SAR (interpolated) = 0.919 W/kg



0 dB = 0.919 W/kg = -0.37 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_20.7C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.919 V/m; **Power Drift = 0.084 dB**

Fast SAR: SAR(1g) = 0.806 W/kg; SAR(10g) = 0.449 W/kg; Secondary SAR(1g) = 0.756 W/kg
Maximum value of SAR (interpolated) = 0.928 W/kg



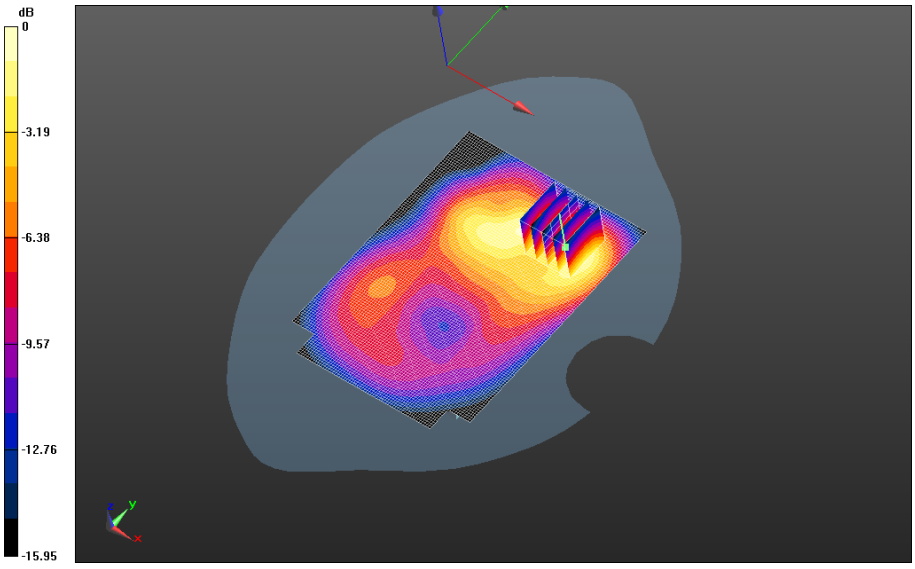
0 dB = 0.928 W/kg = -0.32 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20300_20MHz_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 = 12.247 V/m; **Power Drift = -0.041 dB**

Fast SAR: SAR(1g) = 0.919 W/kg; SAR(10g) = 0.504 W/kg; Secondary SAR(1g) = 0.787 W/kg
Maximum value of SAR (interpolated) = 1.07 W/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.247 V/m; **Power Drift = -0.041 dB**

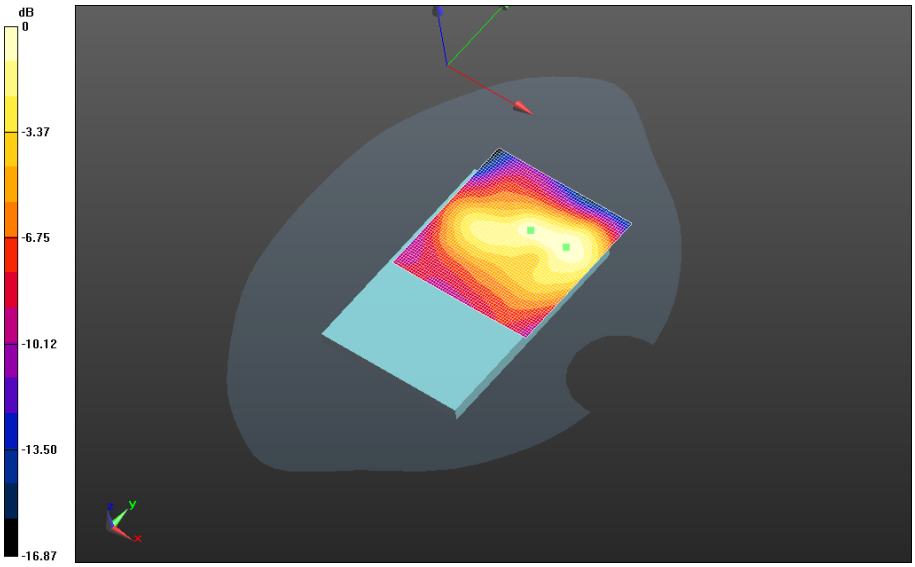
Averaged SAR: SAR(1g) = 0.901 W/kg; SAR(10g) = 0.497 W/kg
Maximum value of SAR (interpolated) = 1.40 W/kg



0 dB = 0.960 W/kg = -0.18 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20050_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_20.7C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.580 V/m; **Power Drift = -0.036 dB**

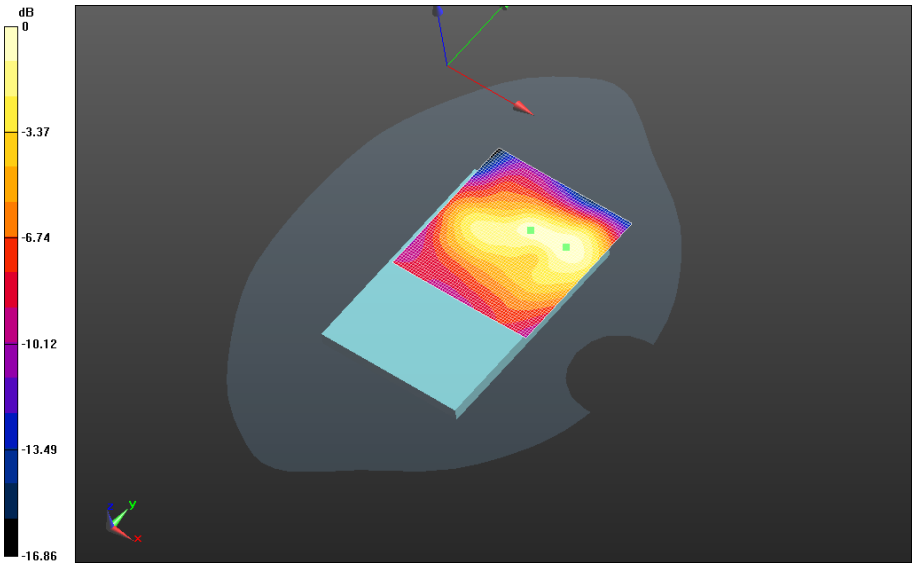
Fast SAR: SAR(1g) = 0.739 W/kg; SAR(10g) = 0.418 W/kg; Secondary SAR(1g) = 0.667 W/kg
Maximum value of SAR (interpolated) = 0.840 W/kg



0 dB = 0.840 W/kg = -0.76 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20175_20MHz_BW_RB50_Offset_Low_amb_temp_23.8C_liq_temp_20.7C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.545 V/m; **Power Drift = 0.079 dB**

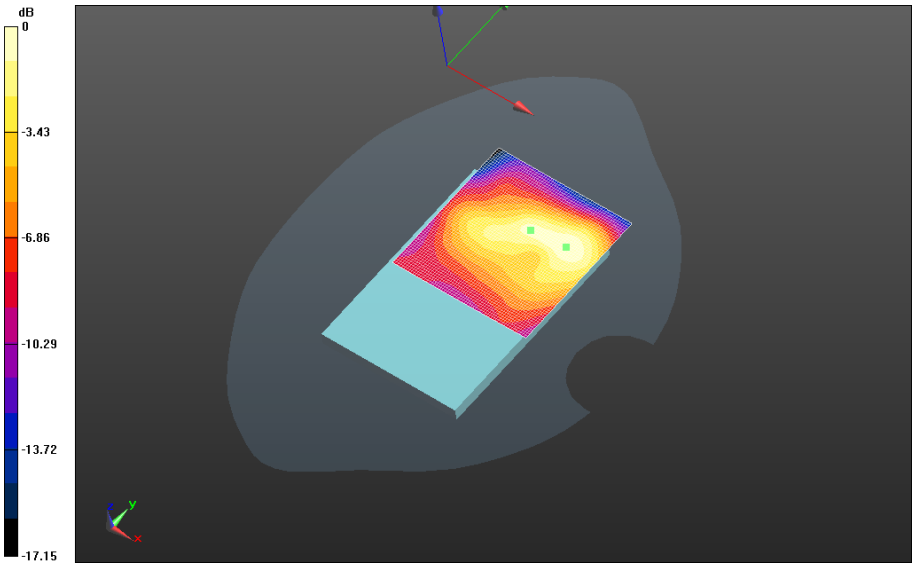
Fast SAR: SAR(1g) = 0.728 W/kg; SAR(10g) = 0.412 W/kg; Secondary SAR(1g) = 0.654 W/kg
Maximum value of SAR (interpolated) = 0.825 W/kg



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

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20300_20MHz_BW_RB50_Offset_High_amb_temp_23.6C_liq_temp_20.6C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.828 V/m; **Power Drift = -0.020 dB**

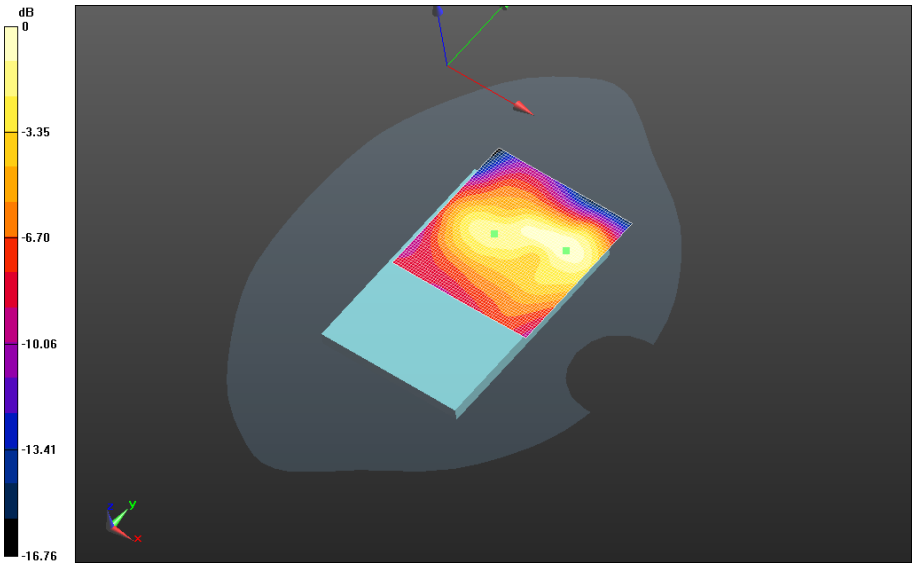
Fast SAR: SAR(1g) = 0.828 W/kg; SAR(10g) = 0.464 W/kg; Secondary SAR(1g) = 0.717 W/kg
Maximum value of SAR (interpolated) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Back - LTE band 4_chan20050_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_20.7C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.757 V/m; **Power Drift = -0.028 dB**

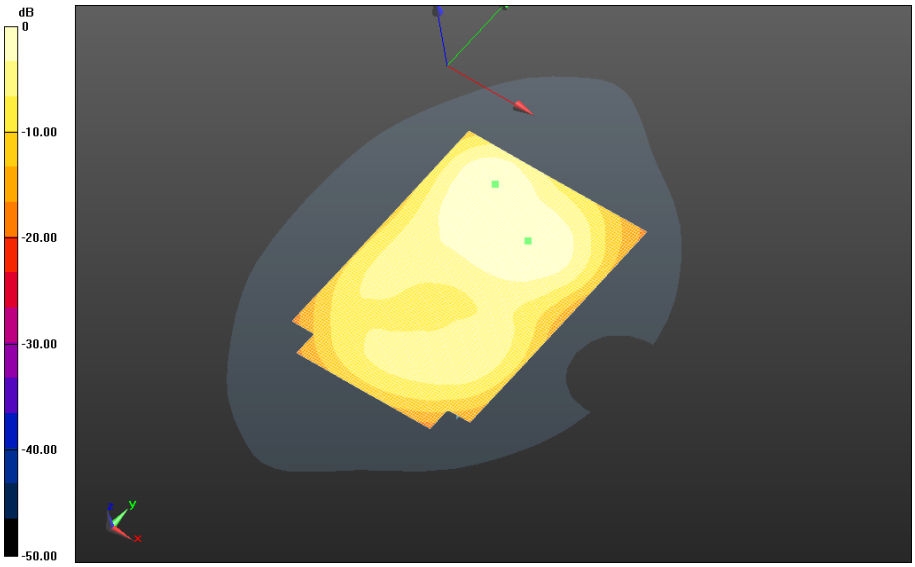
Fast SAR: SAR(1g) = 0.660 W/kg; SAR(10g) = 0.370 W/kg; Secondary SAR(1g) = 0.627 W/kg
Maximum value of SAR (interpolated) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Front - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.179 V/m; **Power Drift = 0.00184 dB**

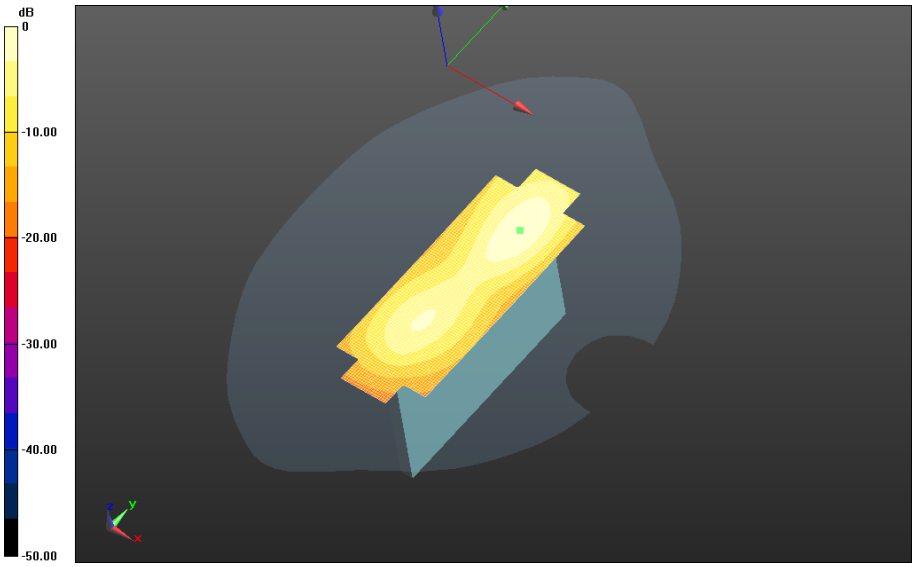
Fast SAR: SAR(1g) = 0.626 W/kg; SAR(10g) = 0.381 W/kg; Secondary SAR(1g) = 0.608 W/kg
Maximum value of SAR (interpolated) = 0.700 W/kg



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

Mobile Hot Spot MSL - LTE Band 4/10mm Device Right - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_24.0C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.750 V/m; **Power Drift = 0.038 dB**

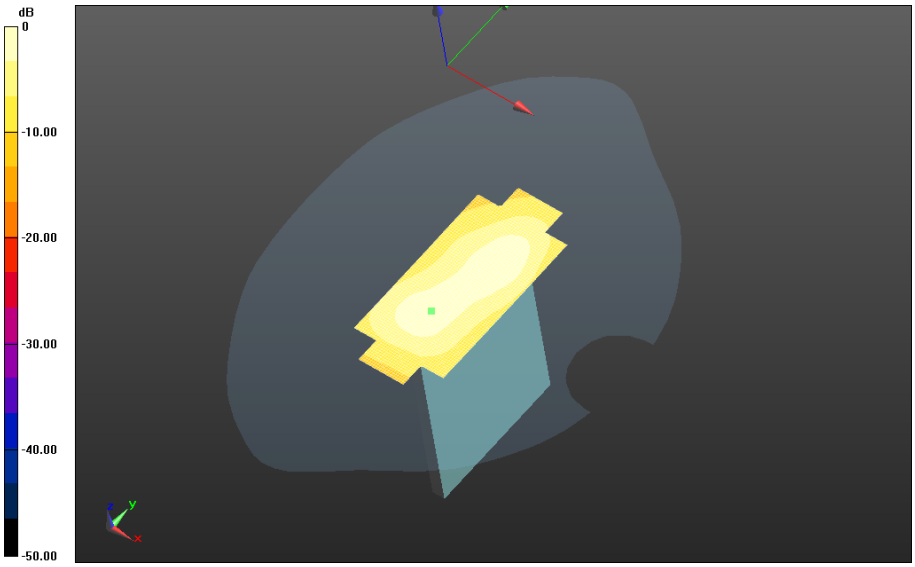
Fast SAR: SAR(1g) = 0.534 W/kg; SAR(10g) = 0.290 W/kg; Secondary SAR(1g) = 0.608 W/kg
Maximum value of SAR (interpolated) = 0.616 W/kg



0 dB = 0.616 W/kg = -2.10 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/10mm Device Bottom - LTE band 4_chan20300_20MHz_BW_RB1_Offset_Low_amb_temp_24.0C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.653 V/m; **Power Drift = -0.048 dB**

Fast SAR: SAR(1g) = 0.473 W/kg; SAR(10g) = 0.260 W/kg; Secondary SAR(1g) = 0.608 W/kg
Maximum value of SAR (interpolated) = 0.547 W/kg



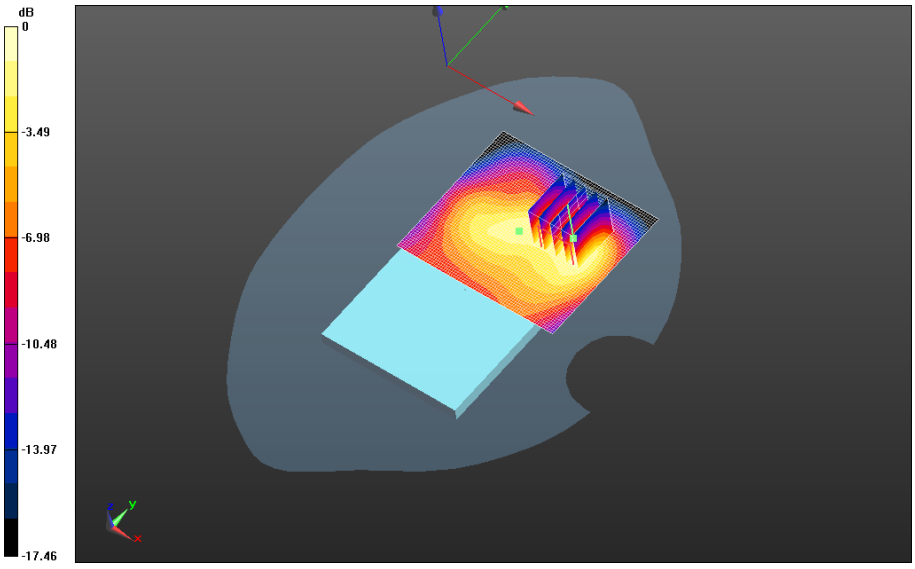
0 dB = 0.547 W/kg = -2.62 dBW/kg

Mobile Hot Spot MSL - LTE Band 4/2nd Scan 10mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.7C 2/Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.991 V/m; **Power Drift = -0.108 dB**

Fast SAR: SAR(1g) = 0.921 W/kg; SAR(10g) = 0.523 W/kg; Secondary SAR(1g) = 0.719 W/kg
Maximum value of SAR (interpolated) = 1.15 W/kg

Mobile Hot Spot MSL - LTE Band 4/2nd Scan 10mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_20.7C 2/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.991 V/m; **Power Drift = -0.108 dB**

Averaged SAR: SAR(1g) = 0.947 W/kg; SAR(10g) = 0.528 W/kg
Maximum value of SAR (interpolated) = 1.47 W/kg



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

Date: 4/15/2015

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

Configuration: Body Worn MSL - LTE band 4

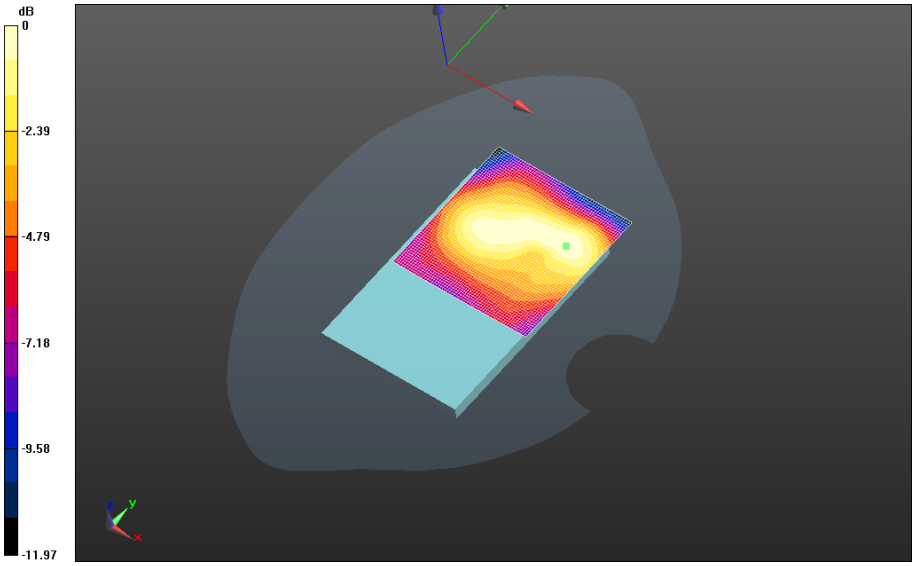
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.501 S/m; ε_r = 51.748; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.657 V/m; **Power Drift = -0.00672 dB**

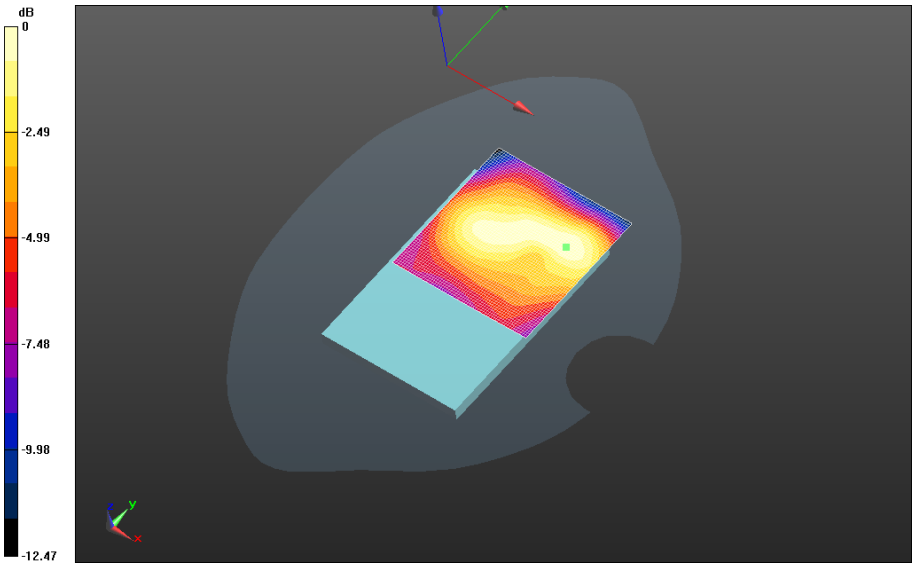
Fast SAR: SAR(1g) = 0.399 W/kg; SAR(10g) = 0.245 W/kg
Maximum value of SAR (interpolated) = 0.444 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_20.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.873 V/m; **Power Drift = -0.028 dB**

Fast SAR: SAR(1g) = 0.404 W/kg; SAR(10g) = 0.243 W/kg
Maximum value of SAR (interpolated) = 0.451 W/kg



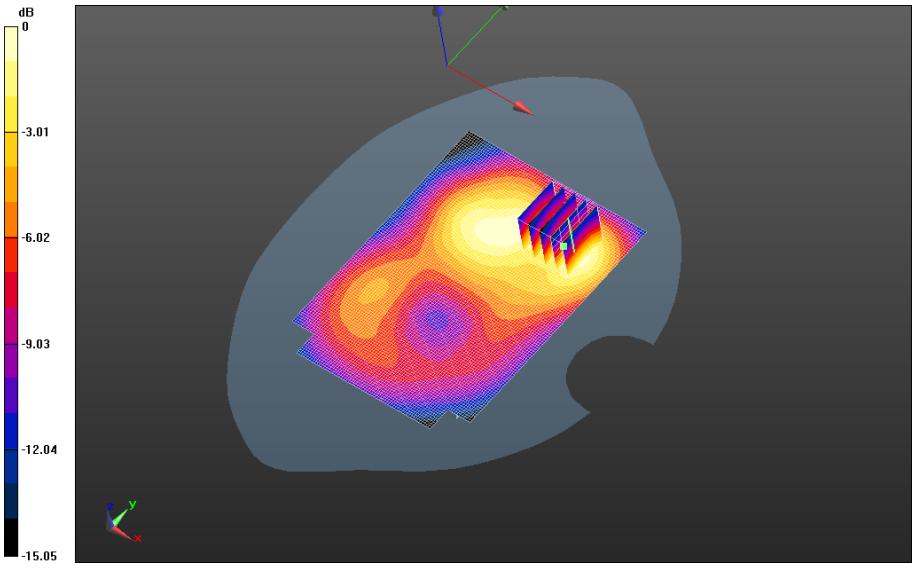
0 dB = 0.451 W/kg = -3.46 dBW/kg

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.102 V/m; **Power Drift = -0.028 dB**

Fast SAR: SAR(1g) = 0.453 W/kg; SAR(10g) = 0.262 W/kg
Maximum value of SAR (interpolated) = 0.508 W/kg

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.5C_liq_temp_20.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.102 V/m; **Power Drift = -0.028 dB**

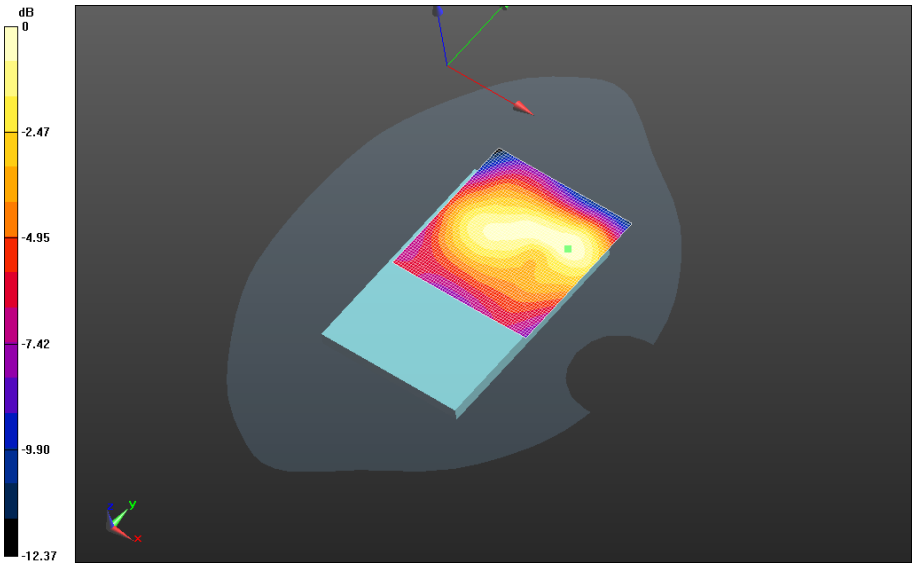
Averaged SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.270 W/kg
Maximum value of SAR (interpolated) = 0.676 W/kg



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

Body Worn MSL - LTE band 4/15mm Device Back - LTE band 4_chan20300_20MHz_BW_RB50_Offset_High_amb_temp_23.5C_liq_temp_20.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.779 V/m; **Power Drift = 0.030 dB**

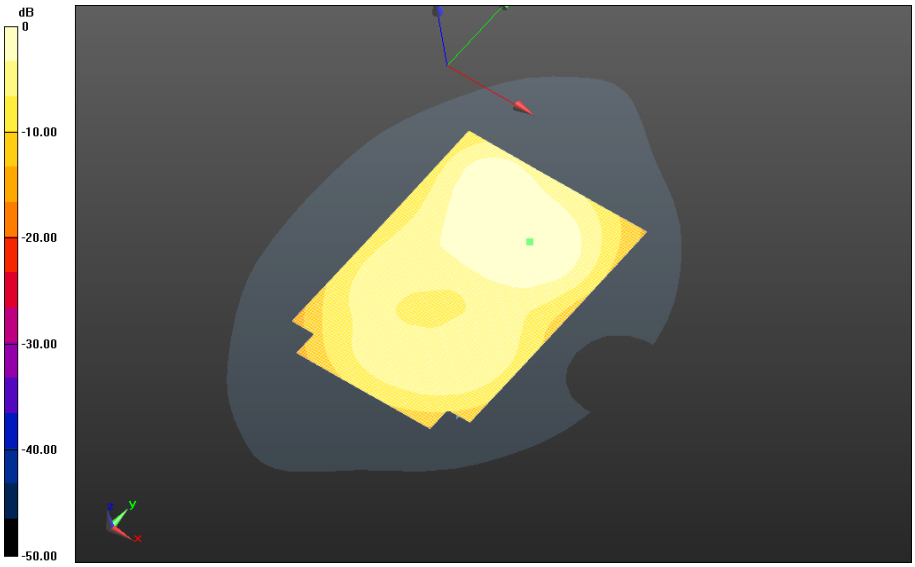
Fast SAR: SAR(1g) = 0.349 W/kg; SAR(10g) = 0.203 W/kg
Maximum value of SAR (interpolated) = 0.391 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

Body Worn MSL - LTE band 4/15mm Device Front - LTE band 4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.137 V/m; **Power Drift = -0.039 dB**

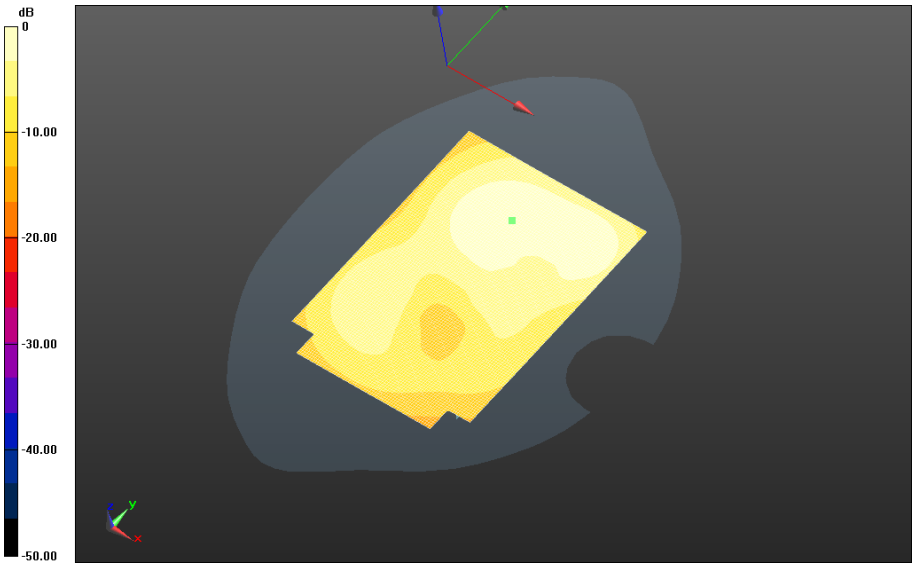
Fast SAR: SAR(1g) = 0.393 W/kg; SAR(10g) = 0.246 W/kg
Maximum value of SAR (interpolated) = 0.422 W/kg



0 dB = 0.422 W/kg = -3.75 dBW/kg

Body Worn MSL - LTE band 4/Holster Device Back - LTE band 4_chan20300_20MHz_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 = 8.458 V/m; **Power Drift = 0.00831 dB**

Fast SAR: SAR(1g) = 0.311 W/kg; SAR(10g) = 0.193 W/kg
Maximum value of SAR (interpolated) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

UMTS Band IV

Date: 4/15/2015

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

Configuration: Right-Hand-Side HSL -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 = 1.364 S/m; ε_r = 38.597; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

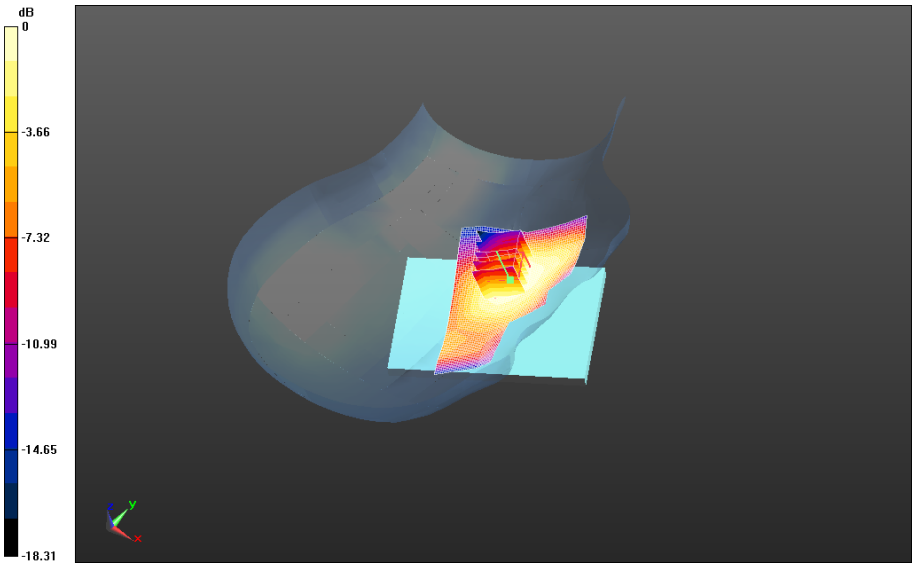
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL -UMTS band IV/Touch Position -UMTS band IV_chan1312_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.587 V/m; **Power Drift = -0.024 dB**

Fast SAR: SAR(1g) = 0.711 W/kg; SAR(10g) = 0.434 W/kg
Maximum value of SAR (interpolated) = 0.776 W/kg

Right-Hand-Side HSL -UMTS band IV/Touch Position -UMTS band IV_chan1312_amb_temp_23.6C_liq_temp_21.4C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.587 V/m; **Power Drift = -0.024 dB**

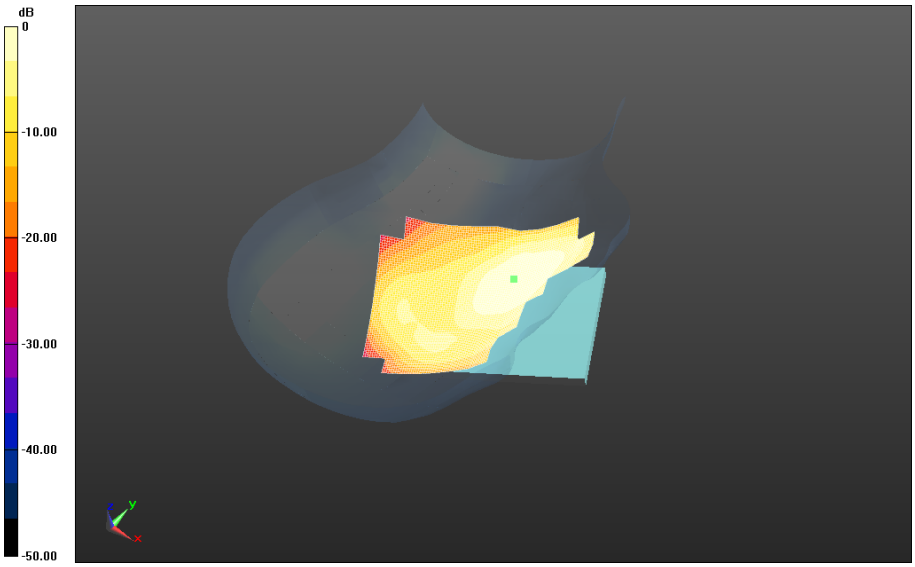
Averaged SAR: SAR(1g) = 0.684 W/kg; SAR(10g) = 0.466 W/kg
Maximum value of SAR (interpolated) = 0.890 W/kg



0 dB = 0.732 W/kg = -1.35 dBW/kg

Right-Hand-Side HSL -UMTS band IV/Touch Position -UMTS band IV_chan1413_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.218 V/m; **Power Drift = 0.066 dB**

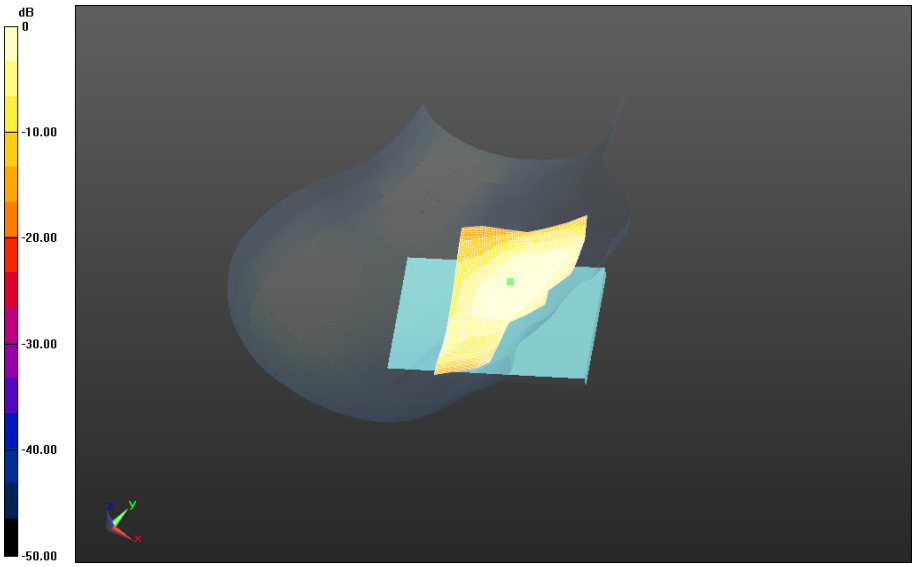
Fast SAR: SAR(1g) = 0.698 W/kg; SAR(10g) = 0.424 W/kg
Maximum value of SAR (interpolated) = 0.761 W/kg



0 dB = 0.761 W/kg = -1.19 dBW/kg

Right-Hand-Side HSL -UMTS band IV/Touch Position -UMTS band IV_chan1513_amb_temp_23.5C_liq_temp_21.5C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.081 V/m; **Power Drift = -0.0015 dB**

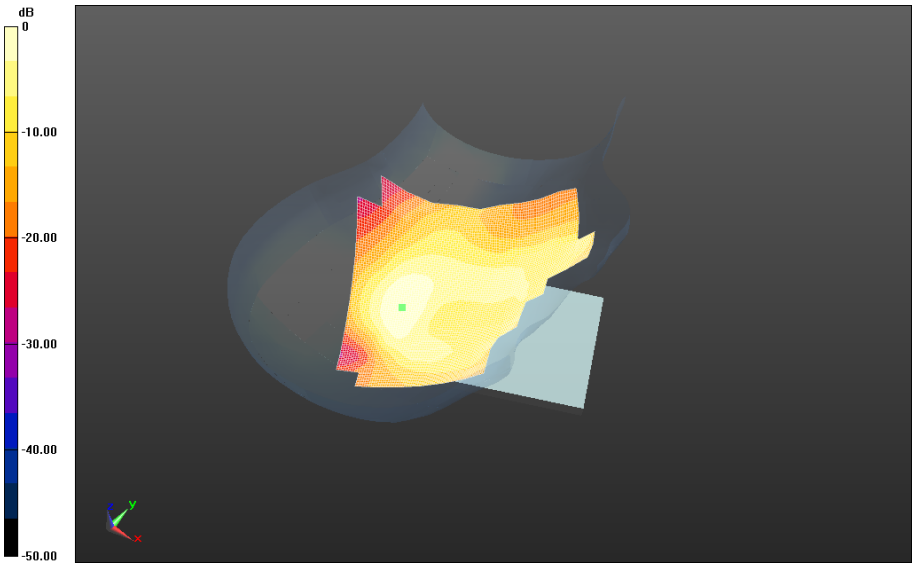
Fast SAR: SAR(1g) = 0.586 W/kg; SAR(10g) = 0.363 W/kg
Maximum value of SAR (interpolated) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

Right-Hand-Side HSL -UMTS band IV/Tilt Position -UMTS band IV_chan1413_amb_temp_23.5C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.058 V/m; **Power Drift = 0.00684 dB**

Fast SAR: SAR(1g) = 0.291 W/kg; SAR(10g) = 0.163 W/kg
Maximum value of SAR (interpolated) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

Date: 4/15/2015

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

Configuration: Left-Hand-Side HSL - UMTS band IV

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV; Frequency: 1732.6 MHz
Medium Parameters used: f=1732.6 MHz; σ = 1.388 S/m; ε_r = 38.543; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

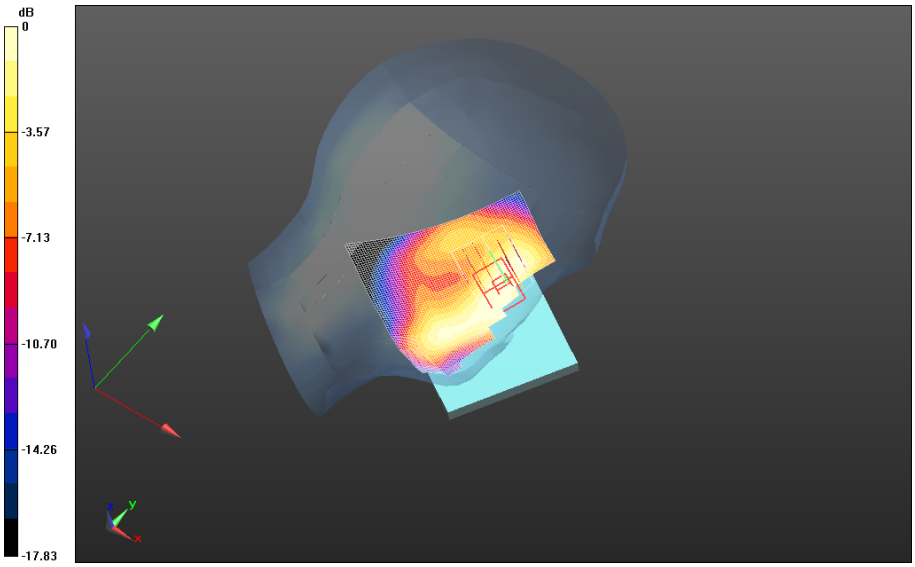
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - UMTS band IV/Touch Position -UMTS band IV_chan1413_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.408 V/m; **Power Drift = -0.051 dB**

Fast SAR: SAR(1g) = 0.346 W/kg; SAR(10g) = 0.213 W/kg
Maximum value of SAR (interpolated) = 0.382 W/kg

Left-Hand-Side HSL - UMTS band IV/Touch Position -UMTS band IV_chan1413_amb_temp_23.7C_liq_temp_21.9C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.408 V/m; **Power Drift = -0.051 dB**

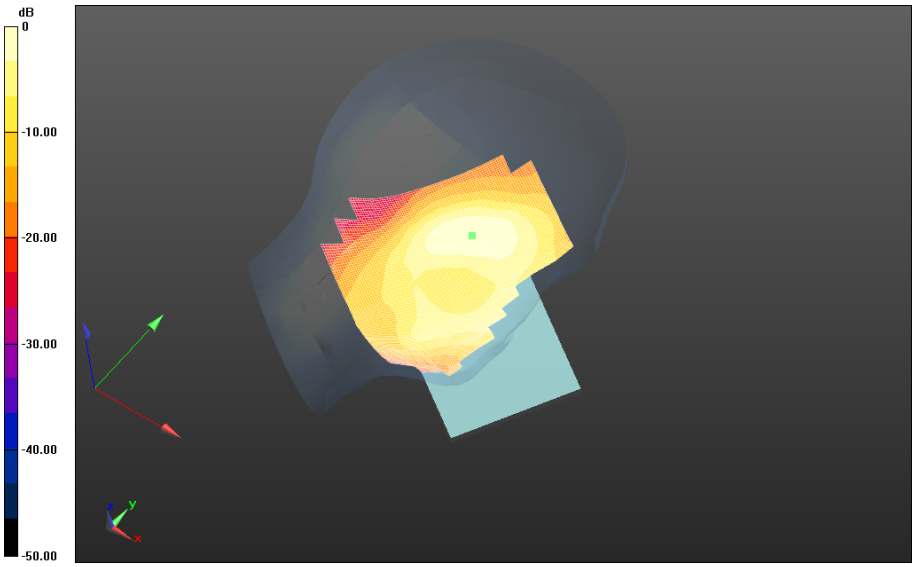
Averaged SAR: SAR(1g) = 0.360 W/kg; SAR(10g) = 0.241 W/kg
Maximum value of SAR (interpolated) = 0.478 W/kg



0 dB = 0.380 W/kg = -4.20 dBW/kg

Left-Hand-Side HSL - UMTS band IV/Tilt Position - UMTS band IV_chan1413_amb_temp_23.8C_liq_temp_21.8C/Area Scan 2 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.220 V/m; **Power Drift = 0.100 dB**

Fast SAR: SAR(1g) = 0.290 W/kg; SAR(10g) = 0.167 W/kg
Maximum value of SAR (interpolated) = 0.328 W/kg



0 dB = 0.328 W/kg = -4.84 dBW/kg

Date: 4/15/2015

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

Configuration: Mobile Hot Spot MSL - UMTS IV

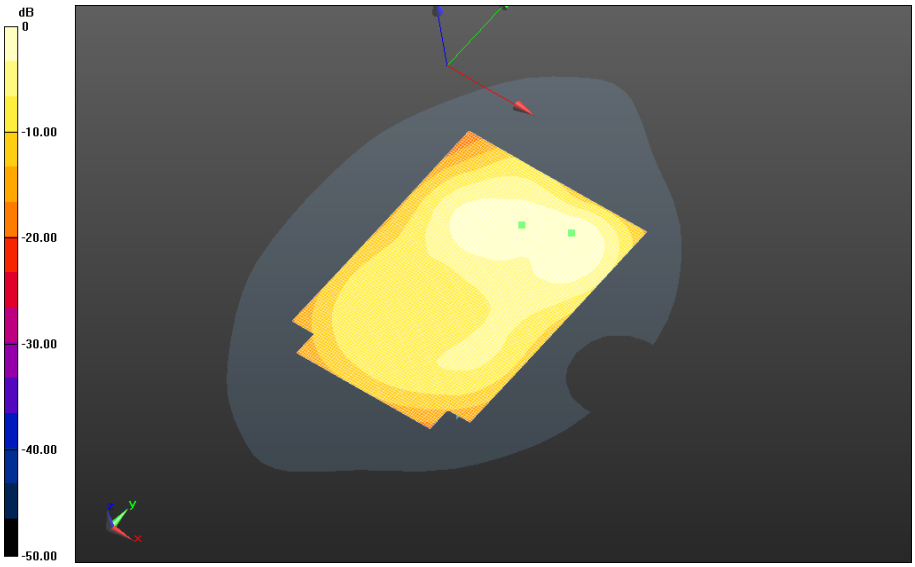
Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV; Frequency: 1712.4 MHz
Medium Parameters used: f=1712.4 MHz; σ = 1.494 S/m; ε_r = 51.773; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - UMTS IV/10mm Device Back - UMTS IV_chan1312_amb_temp_24.0C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.589 V/m; **Power Drift = -0.056 dB**

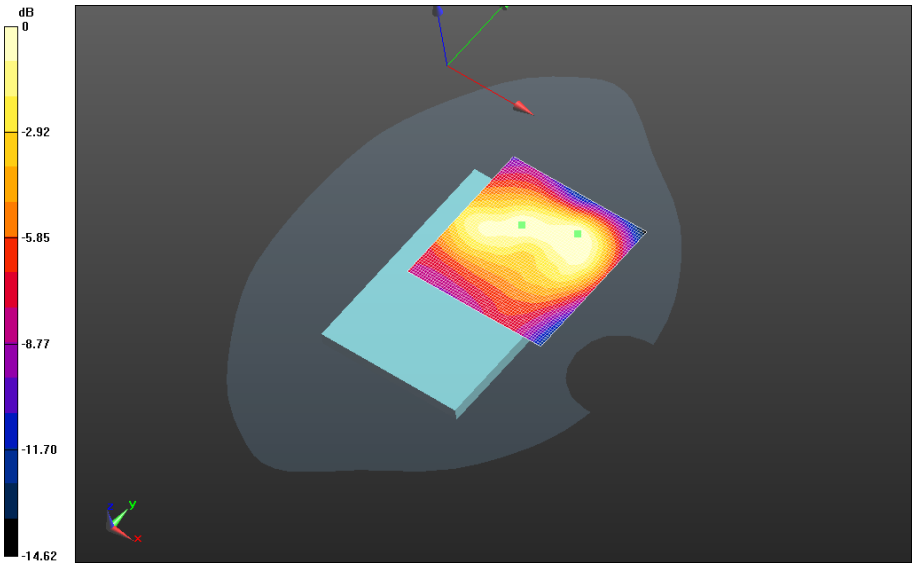
Fast SAR: SAR(1g) = 0.753 W/kg; SAR(10g) = 0.463 W/kg; Secondary SAR(1g) = 0.750 W/kg
Maximum value of SAR (interpolated) = 0.843 W/kg



0 dB = 0.843 W/kg = -0.74 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Back - UMTS IV_chan1413_amb_temp_23.8C_liq_temp_21.6C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.705 V/m; **Power Drift = -0.076 dB**

Fast SAR: SAR(1g) = 0.797 W/kg; SAR(10g) = 0.495 W/kg; Secondary SAR(1g) = 0.781 W/kg
Maximum value of SAR (interpolated) = 0.901 W/kg



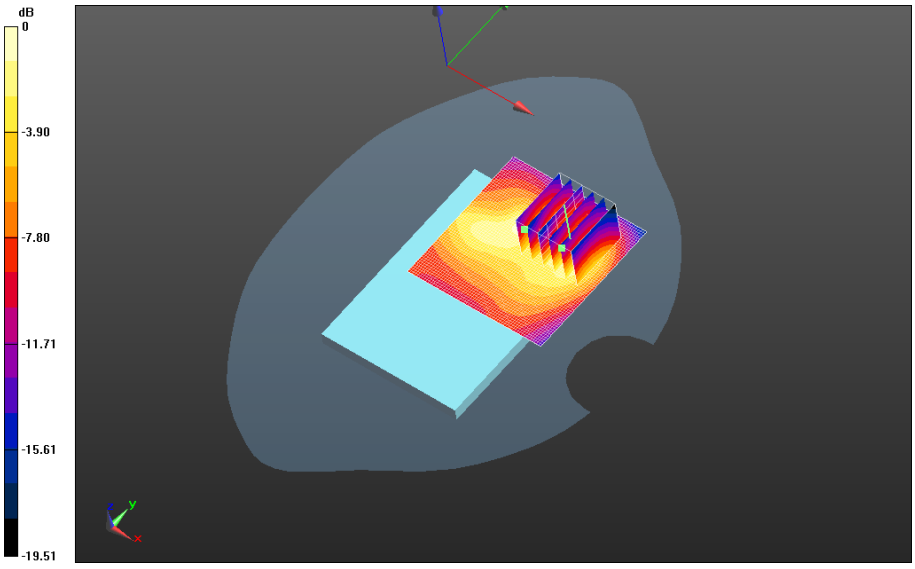
0 dB = 0.901 W/kg = -0.45 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Back - UMTS IV_chan1513_amb_temp_23.7C_liq_temp_21.6C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.601 V/m; **Power Drift = -0.0067 dB**

Fast SAR: SAR(1g) = 1.11 W/kg; SAR(10g) = 0.643 W/kg; Secondary SAR(1g) = 0.960 W/kg
Maximum value of SAR (interpolated) = 1.23 W/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Back - UMTS IV_chan1513_amb_temp_23.7C_liq_temp_21.6C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.601 V/m; **Power Drift = -0.0067 dB**

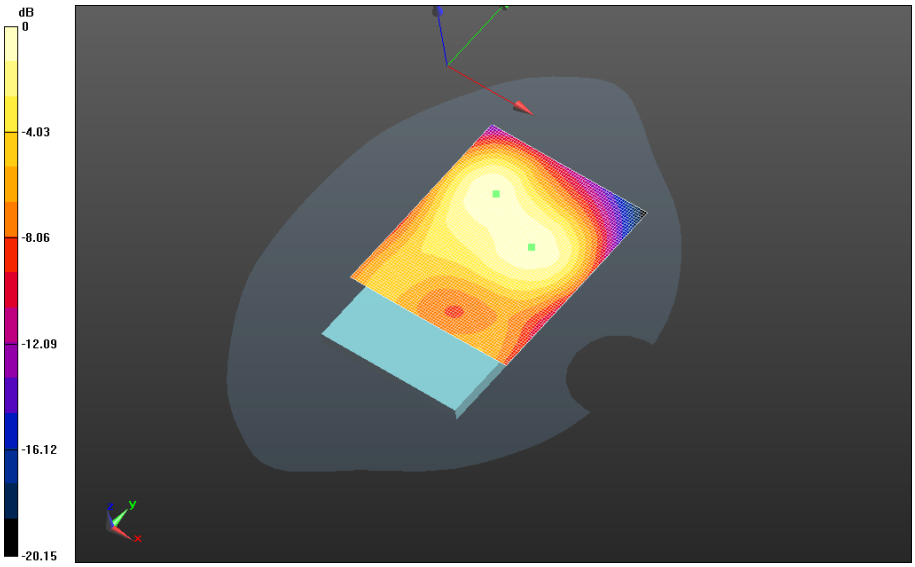
Averaged SAR: SAR(1g) = 1.13 W/kg; SAR(10g) = 0.630 W/kg
Maximum value of SAR (interpolated) = 1.77 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Front - UMTS IV_chan1312_amb_temp_23.5C_liq_temp_21.6C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.519 V/m; **Power Drift = -0.125 dB**

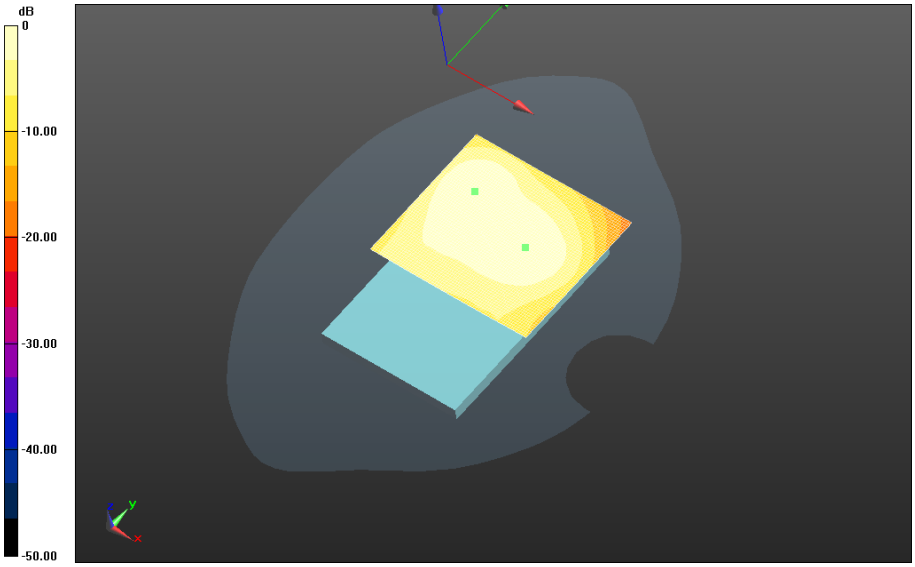
Fast SAR: SAR(1g) = 0.757 W/kg; SAR(10g) = 0.471 W/kg; Secondary SAR(1g) = 0.752 W/kg
Maximum value of SAR (interpolated) = 0.840 W/kg



0 dB = 0.840 W/kg = -0.76 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Front - UMTS IV_chan1413_amb_temp_23.6C_liq_temp_21.5C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.117 V/m; **Power Drift = -0.048 dB**

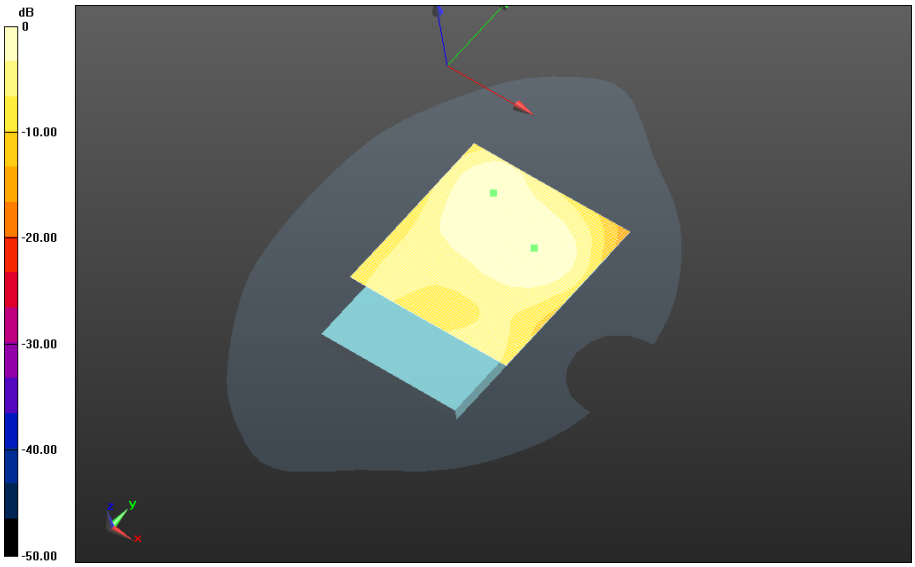
Fast SAR: SAR(1g) = 0.743 W/kg; SAR(10g) = 0.465 W/kg; Secondary SAR(1g) = 0.740 W/kg
Maximum value of SAR (interpolated) = 0.805 W/kg



0 dB = 0.805 W/kg = -0.94 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Front - UMTS IV_chan1513_amb_temp_23.6C_liq_temp_21.6C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.726 V/m; **Power Drift = -0.052 dB**

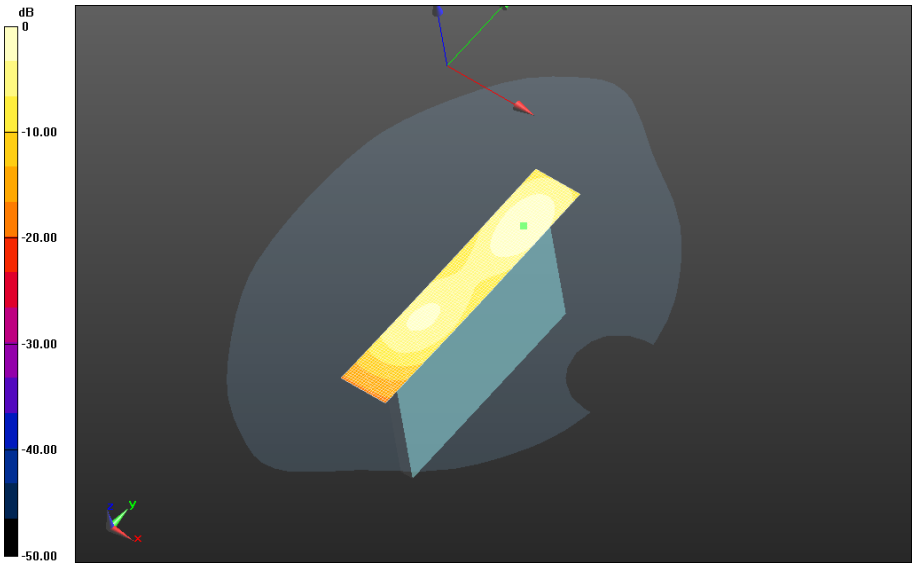
Fast SAR: SAR(1g) = 0.770 W/kg; SAR(10g) = 0.480 W/kg; Secondary SAR(1g) = 0.765 W/kg
Maximum value of SAR (interpolated) = 0.844 W/kg



0 dB = 0.844 W/kg = -0.74 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Right - UMTS IV_chan1413_amb_temp_23.9C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.598 V/m; **Power Drift = 0.015 dB**

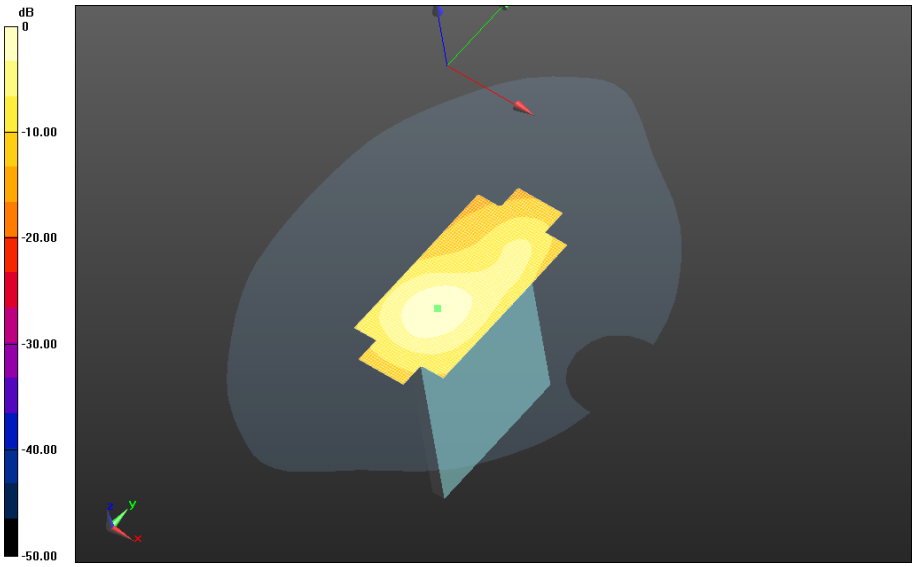
Fast SAR: SAR(1g) = 0.543 W/kg; SAR(10g) = 0.299 W/kg
Maximum value of SAR (interpolated) = 0.611 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Bottom - UMTS IV_chan1312_amb_temp_23.8C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.426 V/m; **Power Drift = -0.048 dB**

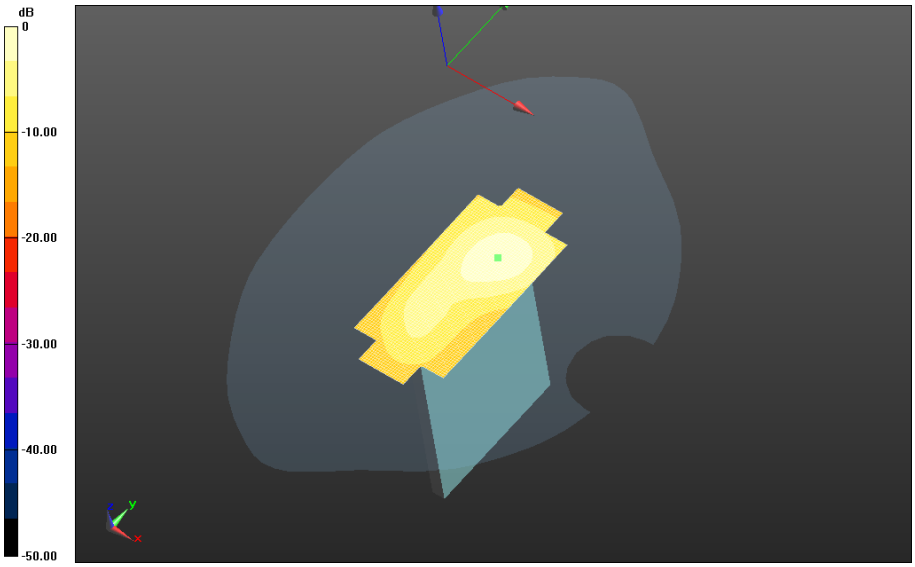
Fast SAR: SAR(1g) = 0.798 W/kg; SAR(10g) = 0.448 W/kg; Secondary SAR(1g) = 0.765 W/kg
Maximum value of SAR (interpolated) = 0.897 W/kg



0 dB = 0.897 W/kg = -0.47 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Bottom - UMTS IV_chan1413_amb_temp_23.8C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.095 V/m; **Power Drift = -0.023 dB**

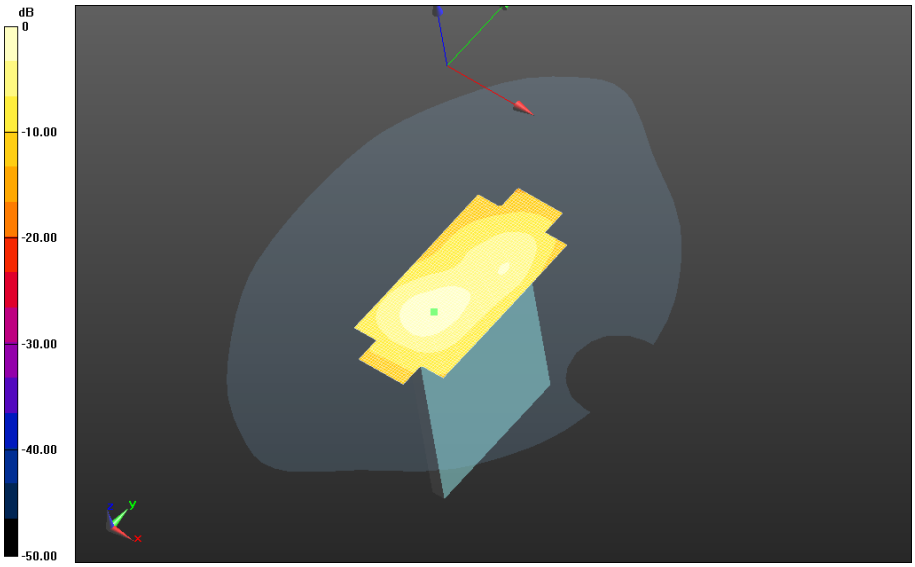
Fast SAR: SAR(1g) = 0.755 W/kg; SAR(10g) = 0.421 W/kg; Secondary SAR(1g) = 0.765 W/kg
Maximum value of SAR (interpolated) = 0.860 W/kg



0 dB = 0.860 W/kg = -0.66 dBW/kg

Mobile Hot Spot MSL - UMTS IV/10mm Device Bottom - UMTS IV_chan1513_amb_temp_23.8C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.537 V/m; **Power Drift = -0.034 dB**

Fast SAR: SAR(1g) = 0.713 W/kg; SAR(10g) = 0.385 W/kg; Secondary SAR(1g) = 0.765 W/kg
Maximum value of SAR (interpolated) = 0.819 W/kg



0 dB = 0.819 W/kg = -0.87 dBW/kg

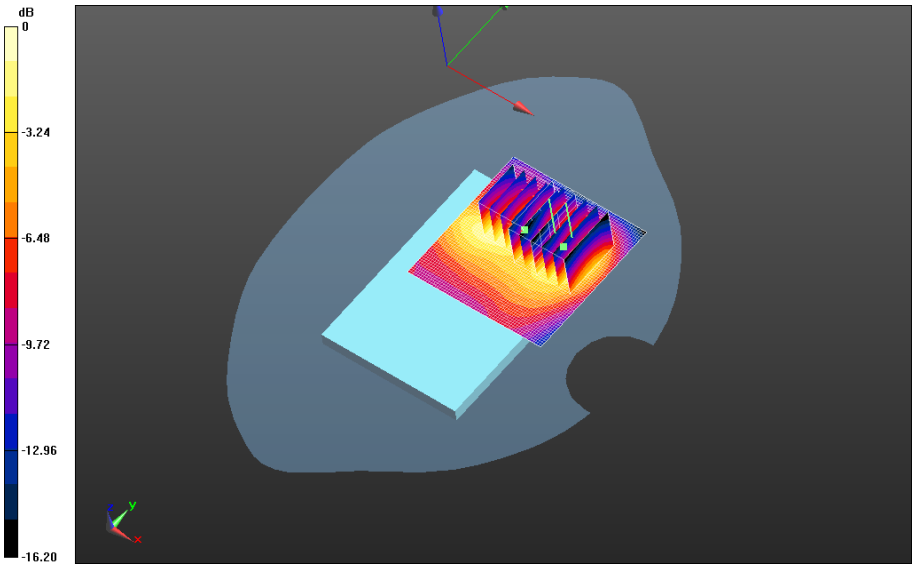
Mobile Hot Spot MSL - UMTS IV/2nd Scan_10mm Device Back - UMTS IV_chan1513_amb_temp_23.5C_liq_temp_21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.637 V/m; **Power Drift = -0.035 dB**

Fast SAR: SAR(1g) = 1.09 W/kg; SAR(10g) = 0.633 W/kg; Secondary SAR(1g) = 0.949 W/kg
Maximum value of SAR (interpolated) = 1.20 W/kg

Mobile Hot Spot MSL - UMTS IV/2nd Scan_10mm Device Back - UMTS IV_chan1513_amb_temp_23.5C_liq_temp_21.5C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.637 V/m; **Power Drift = -0.035 dB**

Averaged SAR: SAR(1g) = 1.14 W/kg; SAR(10g) = 0.631 W/kg
Maximum value of SAR (interpolated) = 1.77 W/kg
Mobile Hot Spot MSL - UMTS IV/2nd Scan_10mm Device Back - UMTS IV_chan1513_amb_temp_23.5C_liq_temp_21.5C/Zoom Scan 2 (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.637 V/m; **Power Drift = -0.032 dB**

Averaged SAR: SAR(1g) = 0.965 W/kg; SAR(10g) = 0.588 W/kg
Maximum value of SAR (interpolated) = 1.53 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

Date: 4/15/2015

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

Configuration: Body Worn MSL - UMTS band IV

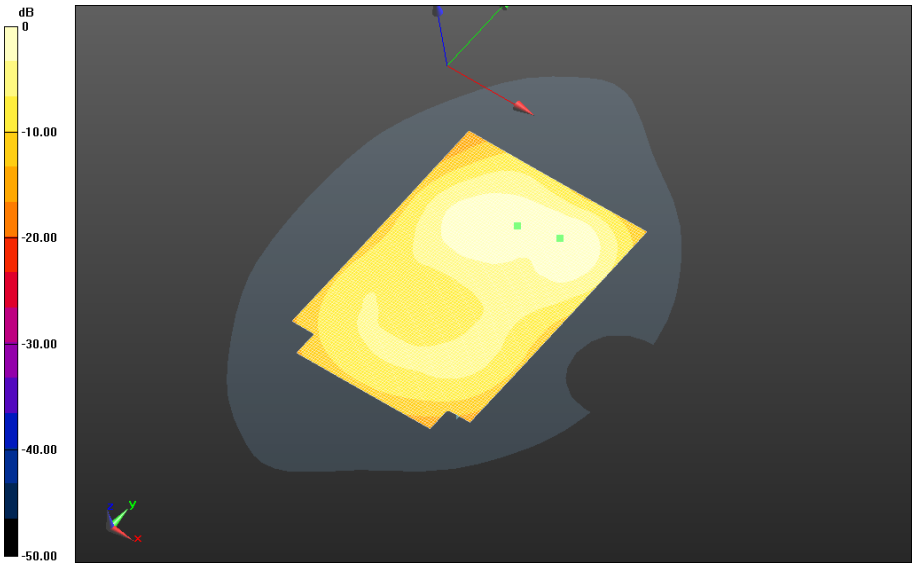
Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV; Frequency: 1712.4 MHz
Medium Parameters used: f=1712.4 MHz; σ = 1.494 S/m; ε_r = 51.773; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1312_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.769 V/m; **Power Drift = 0.018 dB**

Fast SAR: SAR(1g) = 0.568 W/kg; SAR(10g) = 0.347 W/kg; Secondary SAR(1g) = 0.544 W/kg
Maximum value of SAR (interpolated) = 0.633 W/kg



0 dB = 0.633 W/kg = -1.99 dBW/kg

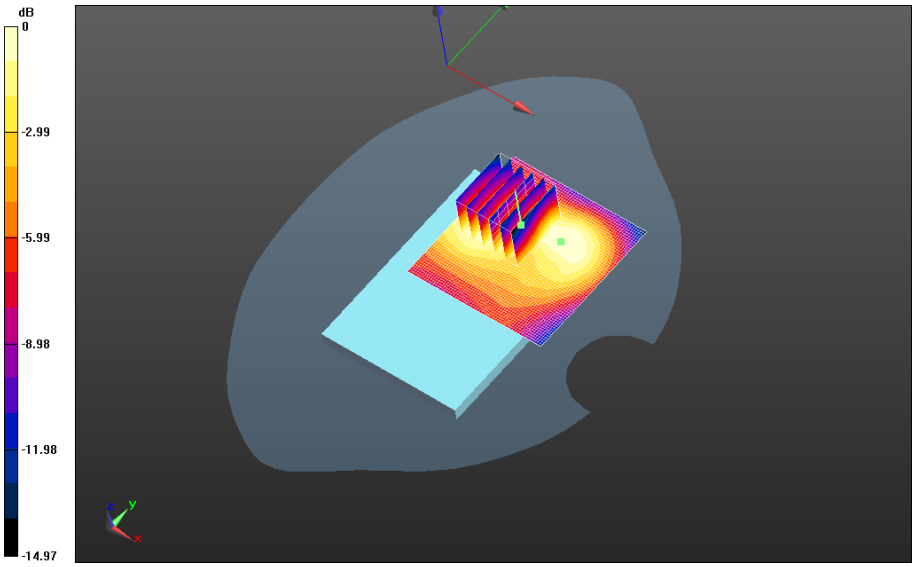
Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1413_amb_temp_23.8C_liq_temp_21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 10.920 V/m; **Power Drift = 0.079 dB**

Fast SAR: SAR(1g) = 0.581 W/kg; SAR(10g) = 0.351 W/kg; Secondary SAR(1g) = 0.562 W/kg
Maximum value of SAR (interpolated) = 0.650 W/kg

Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1413_amb_temp_23.8C_liq_temp_21.5C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.920 V/m; **Power Drift = 0.079 dB**

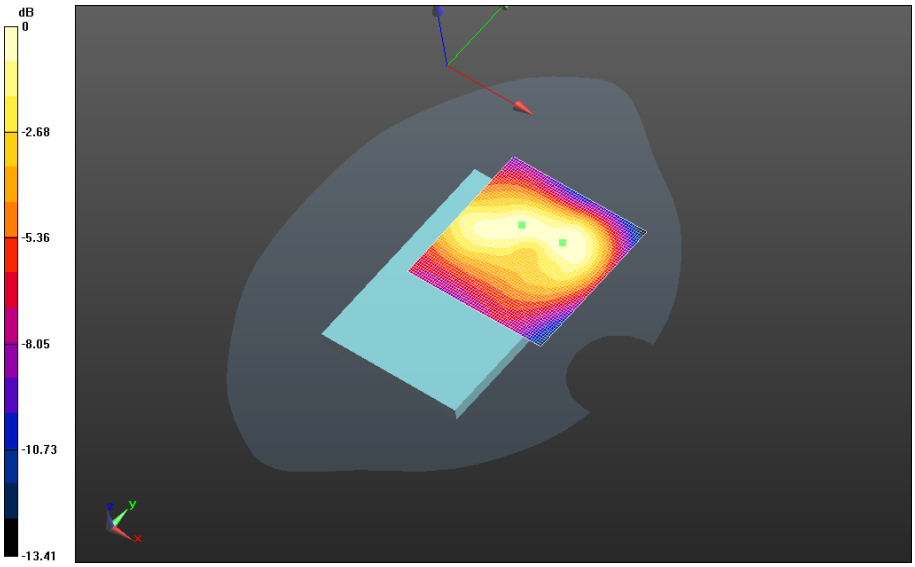
Averaged SAR: SAR(1g) = 0.579 W/kg; SAR(10g) = 0.372 W/kg
Maximum value of SAR (interpolated) = 0.788 W/kg



0 dB = 0.639 W/kg = -1.94 dBW/kg

Body Worn MSL - UMTS band IV/15mm Device Back - UMTS IV_chan1513_amb_temp_23.5C_liq_temp_21.2C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.577 V/m; **Power Drift = -0.00501 dB**

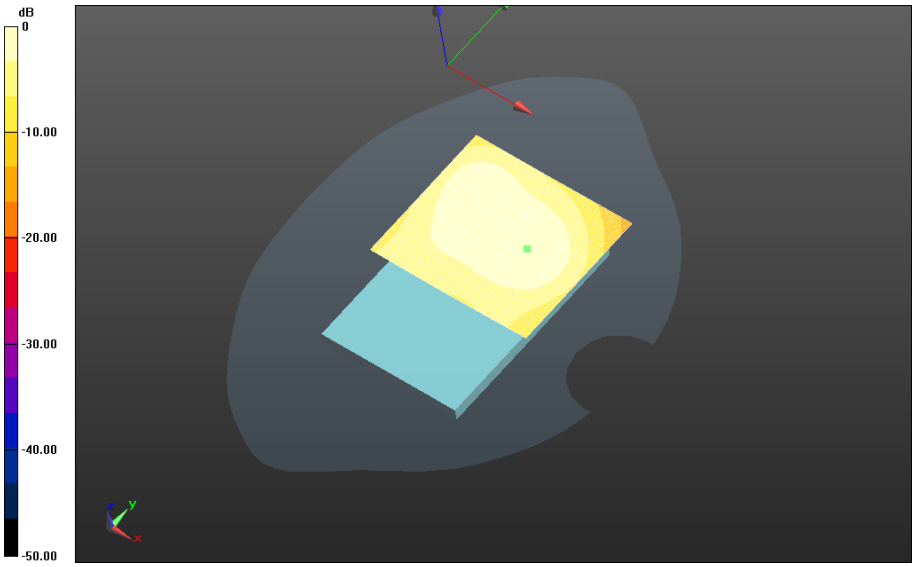
Fast SAR: SAR(1g) = 0.574 W/kg; SAR(10g) = 0.342 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 0.639 W/kg



0 dB = 0.639 W/kg = -1.94 dBW/kg

Body Worn MSL - UMTS band IV/15mm Device Front - UMTS IV_chan1413_amb_temp_23.6C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.694 V/m; **Power Drift = 0.019 dB**

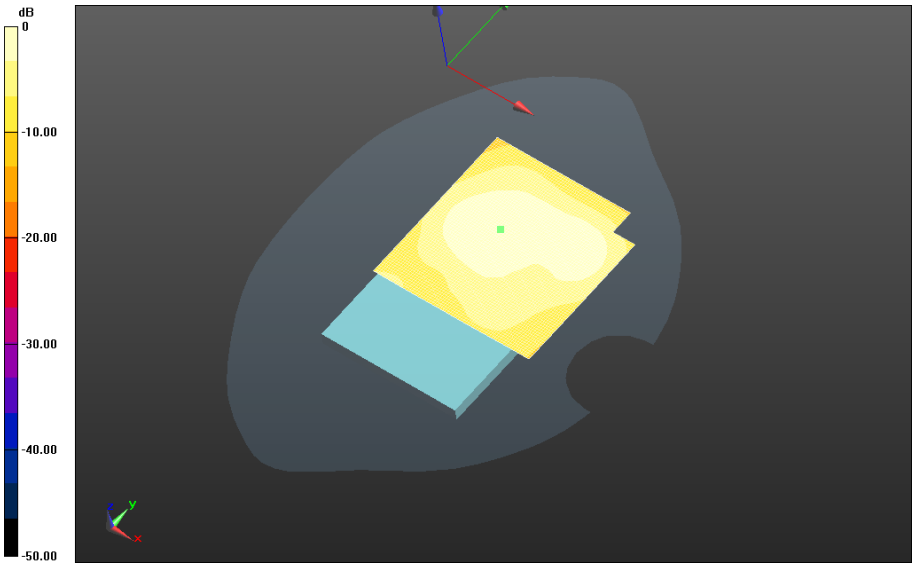
Fast SAR: SAR(1g) = 0.499 W/kg; SAR(10g) = 0.313 W/kg
Maximum value of SAR (interpolated) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

Body Worn MSL - UMTS band IV/Holster Device Back - UMTS IV_chan1413_amb_temp_23.4C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.189 V/m; **Power Drift = -0.055 dB**

Fast SAR: SAR(1g) = 0.363 W/kg; SAR(10g) = 0.226 W/kg
Maximum value of SAR (interpolated) = 0.392 W/kg



0 dB = 0.392 W/kg = -4.07 dBW/kg

LTE Band 2

Date: 4/10/2015

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1160686730

Configuration: Right-Hand-Side HSL -LTE band 2

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used: f=1860 MHz; σ = 1.369 S/m; ε_r = 38.619; ρ = 1.000 g/cm^3

Phantom section: Right Section

DASY Configuration:

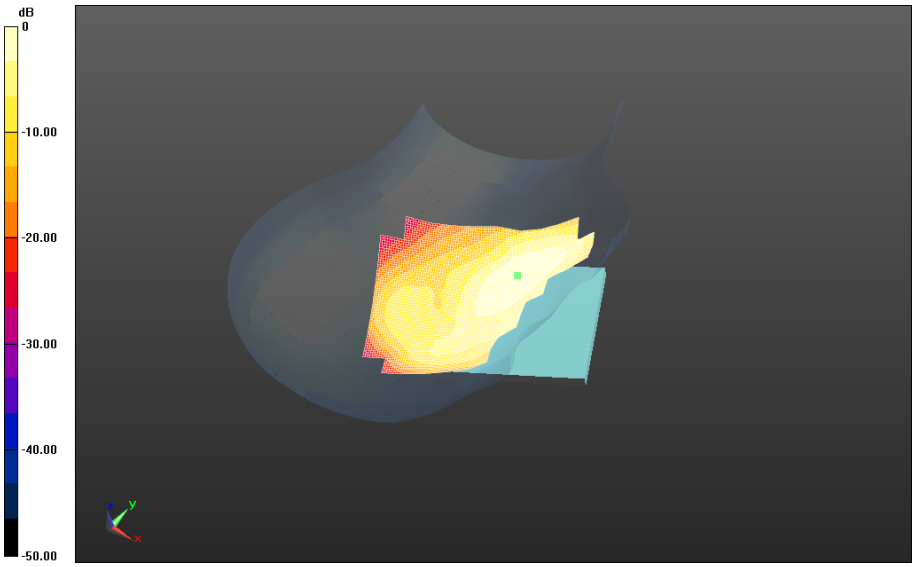
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18700_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 = 7.464 V/m; **Power Drift = 0.135 dB**

Fast SAR: SAR(1g) = 0.338 W/kg; SAR(10g) = 0.196 W/kg

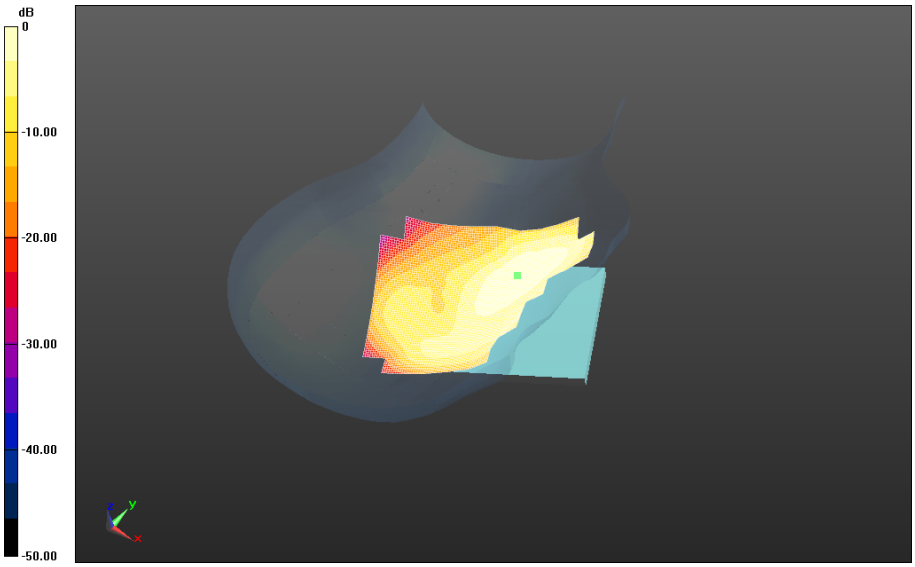
Maximum value of SAR (interpolated) = 0.375 W/kg



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

Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.657 V/m; **Power Drift = 0.096 dB**

Fast SAR: SAR(1g) = 0.351 W/kg; SAR(10g) = 0.204 W/kg
Maximum value of SAR (interpolated) = 0.393 W/kg



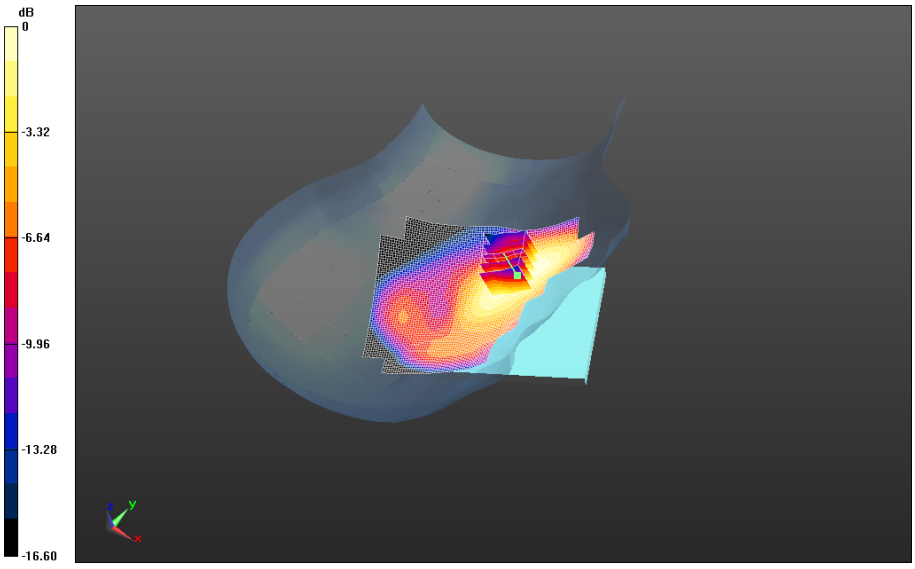
0 dB = 0.393 W/kg = -4.06 dBW/kg

Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.806 V/m; **Power Drift = 0.086 dB**

Fast SAR: SAR(1g) = 0.362 W/kg; SAR(10g) = 0.210 W/kg
Maximum value of SAR (interpolated) = 0.405 W/kg

Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.806 V/m; **Power Drift = 0.086 dB**

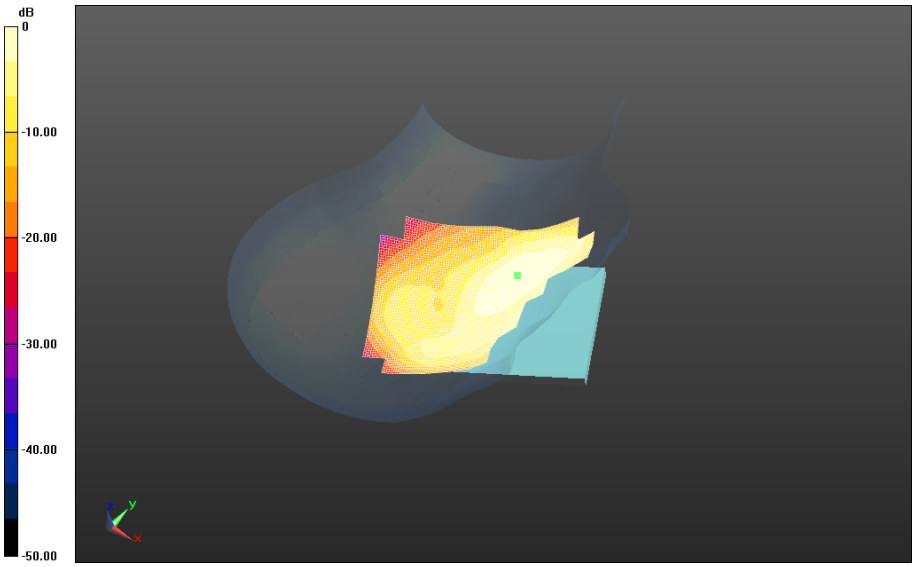
Averaged SAR: SAR(1g) = 0.349 W/kg; SAR(10g) = 0.232 W/kg
Maximum value of SAR (interpolated) = 0.485 W/kg



0 dB = 0.372 W/kg = -4.29 dBW/kg

Right-Hand-Side HSL -LTE band 2/Touch Position -LTE band 2_chan18900_20MHz_BW_RB50_Offset_Low_amb_temp_23.9C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.462 V/m; **Power Drift = -0.086 dB**

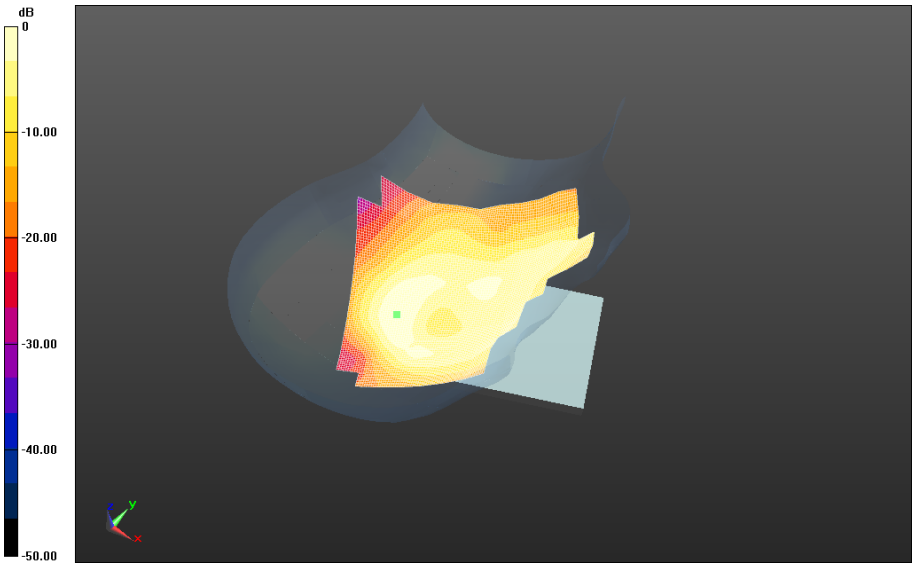
Fast SAR: SAR(1g) = 0.315 W/kg; SAR(10g) = 0.183 W/kg
Maximum value of SAR (interpolated) = 0.353 W/kg



0 dB = 0.353 W/kg = -4.52 dBW/kg

Right-Hand-Side HSL -LTE band 2/Tilt Position -LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.276 V/m; **Power Drift = -0.178 dB**

Fast SAR: SAR(1g) = 0.117 W/kg; SAR(10g) = 0.0625 W/kg
Maximum value of SAR (interpolated) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

Date: 4/10/2015

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

Configuration: Left-Hand-Side HSL - LTE band 2

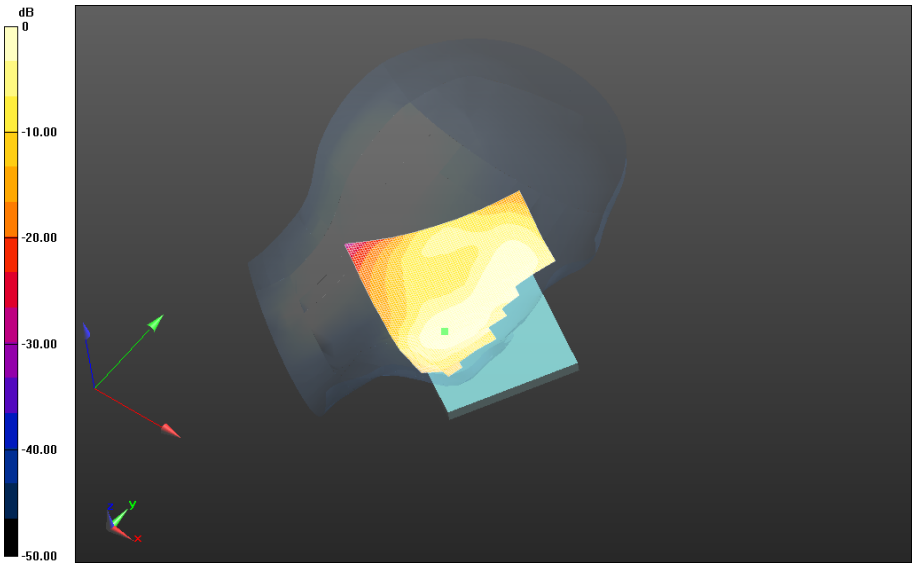
Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1900 MHz
Medium Parameters used: f=1900 MHz; σ = 1.408 S/m; ε_r = 38.405; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE band 2/Touch Position -LTE band 2_chan19100_20MHz_BW_RB1_Offset_Mid_amb_temp_23.7C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.777 V/m; **Power Drift = 0.095 dB**

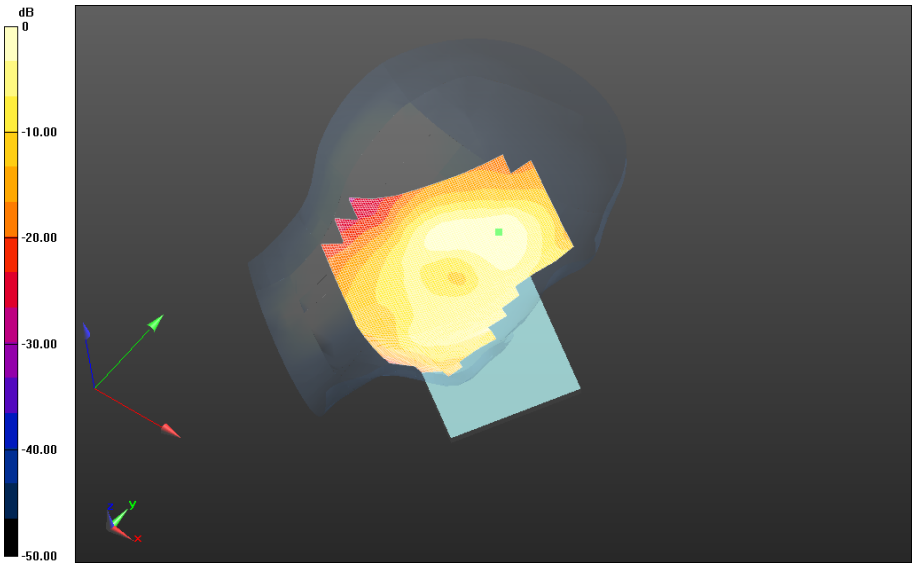
Fast SAR: SAR(1g) = 0.166 W/kg; SAR(10g) = 0.0985 W/kg
Maximum value of SAR (interpolated) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.10 dBW/kg

Left-Hand-Side HSL - LTE band 2/Tilt Position - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.575 V/m; **Power Drift = 0.037 dB**

Fast SAR: SAR(1g) = 0.114 W/kg; SAR(10g) = 0.0684 W/kg
Maximum value of SAR (interpolated) = 0.137 W/kg



0 dB = 0.137 W/kg = -8.63 dBW/kg

Date: 4/10/2015

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

Configuration: Mobile Hot Spot 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 = 1.498 S/m; ε_r = 51.648; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

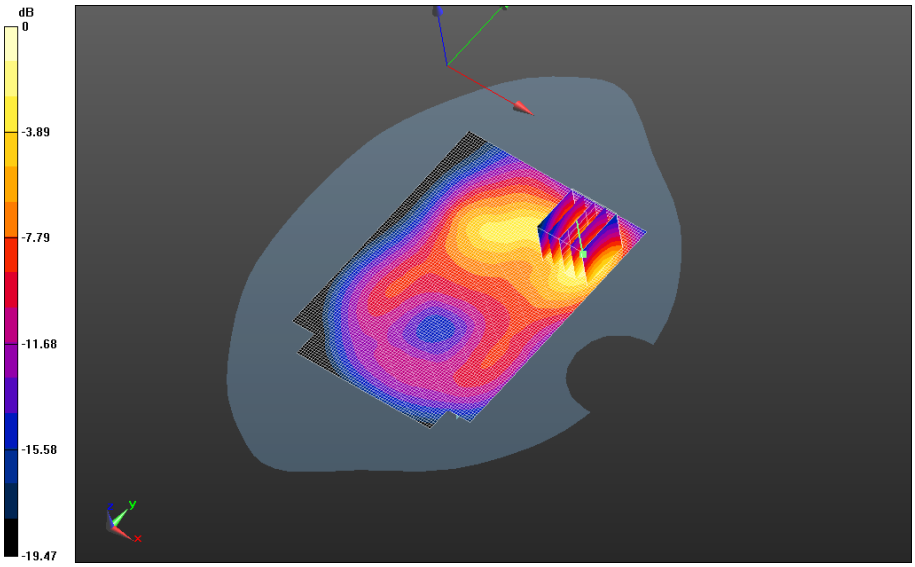
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.549 V/m; **Power Drift = -0.157 dB**

Fast SAR: SAR(1g) = 0.540 W/kg; SAR(10g) = 0.291 W/kg
Maximum value of SAR (interpolated) = 0.629 W/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.549 V/m; **Power Drift = -0.157 dB**

Averaged SAR: SAR(1g) = 0.600 W/kg; SAR(10g) = 0.328 W/kg
Maximum value of SAR (interpolated) = 0.955 W/kg



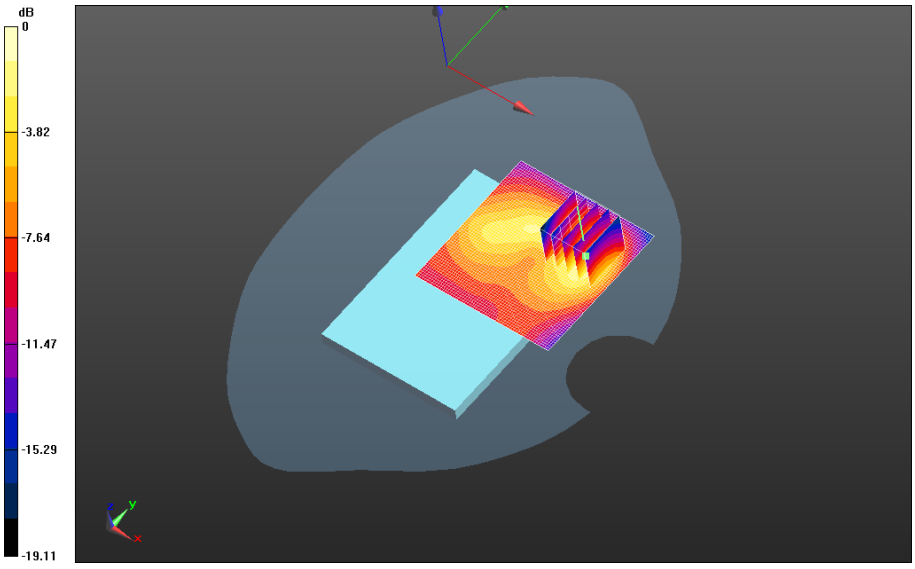
0 dB = 0.642 W/kg = -1.92 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.1C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.429 V/m; **Power Drift = -0.018 dB**

Fast SAR: SAR(1g) = 0.545 W/kg; SAR(10g) = 0.305 W/kg
Maximum value of SAR (interpolated) = 0.623 W/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.8C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.429 V/m; **Power Drift = -0.018 dB**

Averaged SAR: SAR(1g) = 0.555 W/kg; SAR(10g) = 0.306 W/kg
Maximum value of SAR (interpolated) = 0.878 W/kg



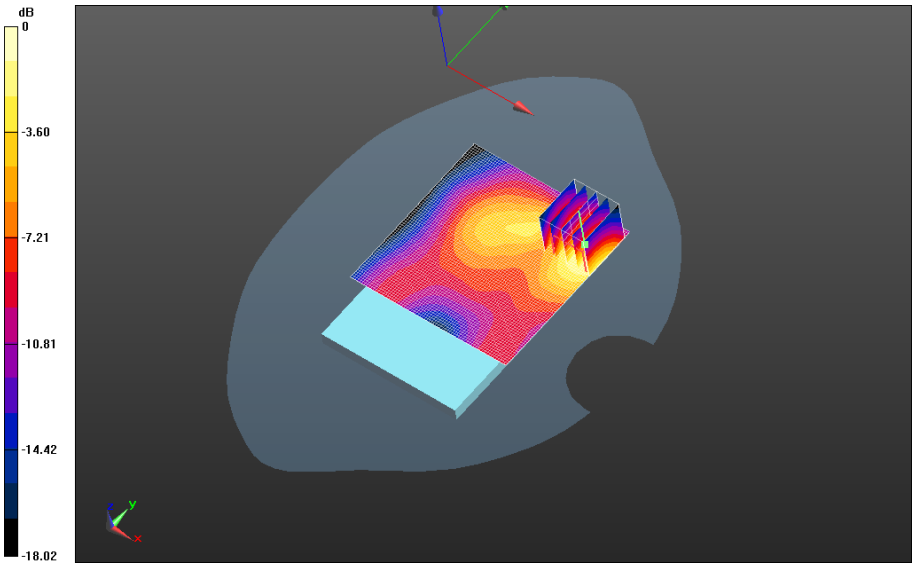
0 dB = 0.596 W/kg = -2.25 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.5C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.554 V/m; **Power Drift = -0.019 dB**

Fast SAR: SAR(1g) = 0.543 W/kg; SAR(10g) = 0.288 W/kg
Maximum value of SAR (interpolated) = 0.647 W/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.554 V/m; **Power Drift = -0.019 dB**

Averaged SAR: SAR(1g) = 0.572 W/kg; SAR(10g) = 0.314 W/kg
Maximum value of SAR (interpolated) = 0.912 W/kg



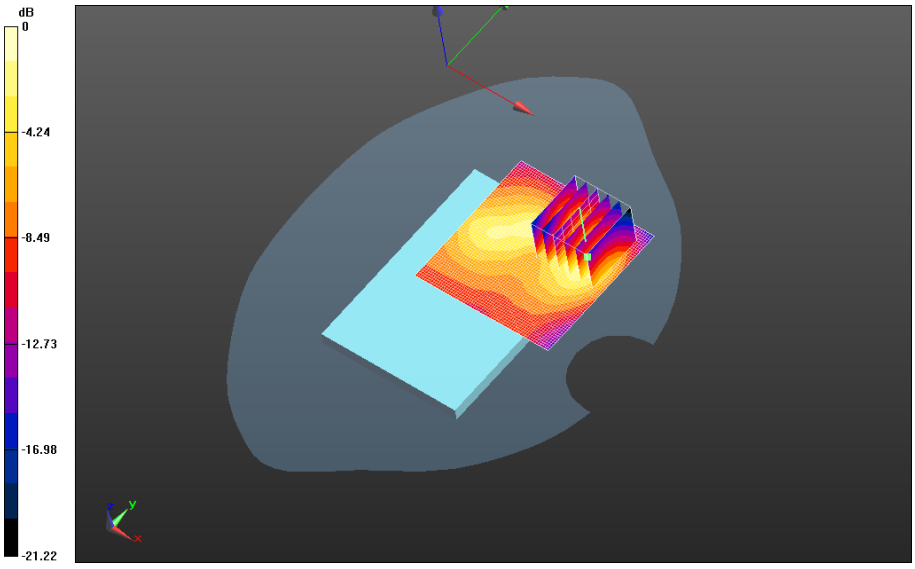
0 dB = 0.645 W/kg = -1.90 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.6C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.767 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.562 W/kg; SAR(10g) = 0.317 W/kg
Maximum value of SAR (interpolated) = 0.648 W/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_24.0C_liq_temp_21.6C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.767 V/m; **Power Drift = 0.034 dB**

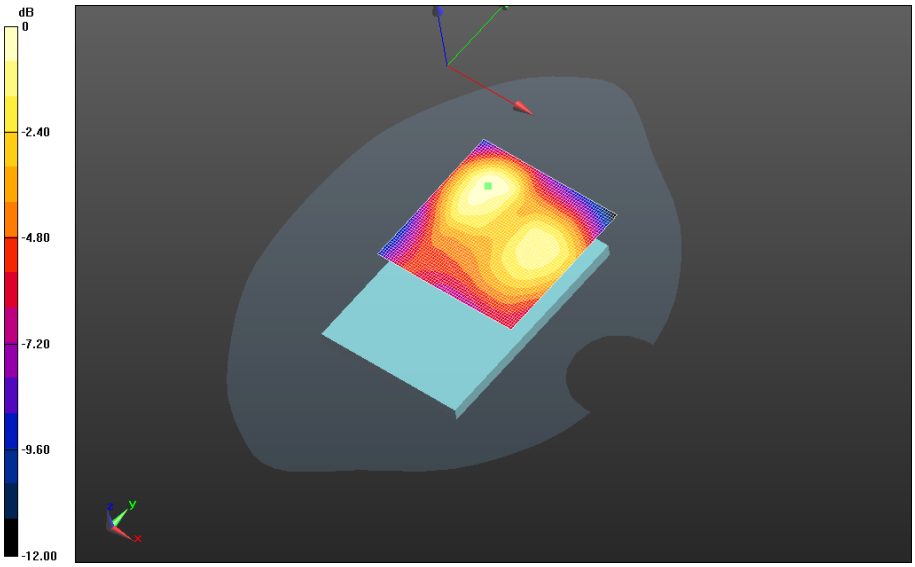
Averaged SAR: SAR(1g) = 0.591 W/kg; SAR(10g) = 0.323 W/kg
Maximum value of SAR (interpolated) = 0.945 W/kg



0 dB = 0.636 W/kg = -1.97 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Front - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.328 V/m; **Power Drift = 0.017 dB**

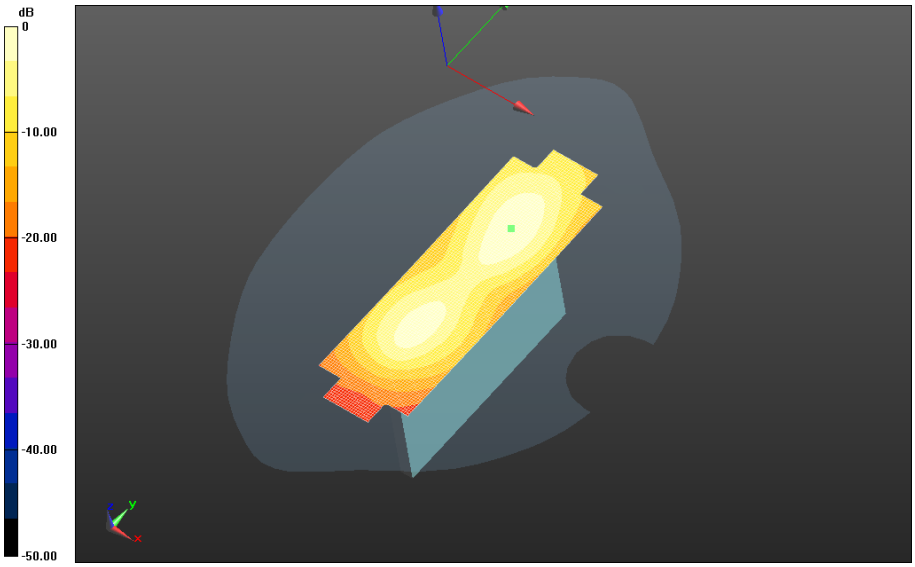
Fast SAR: SAR(1g) = 0.269 W/kg; SAR(10g) = 0.156 W/kg
Maximum value of SAR (interpolated) = 0.298 W/kg



0 dB = 0.298 W/kg = -5.26 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Right - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.5C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.809 V/m; **Power Drift = 0.011 dB**

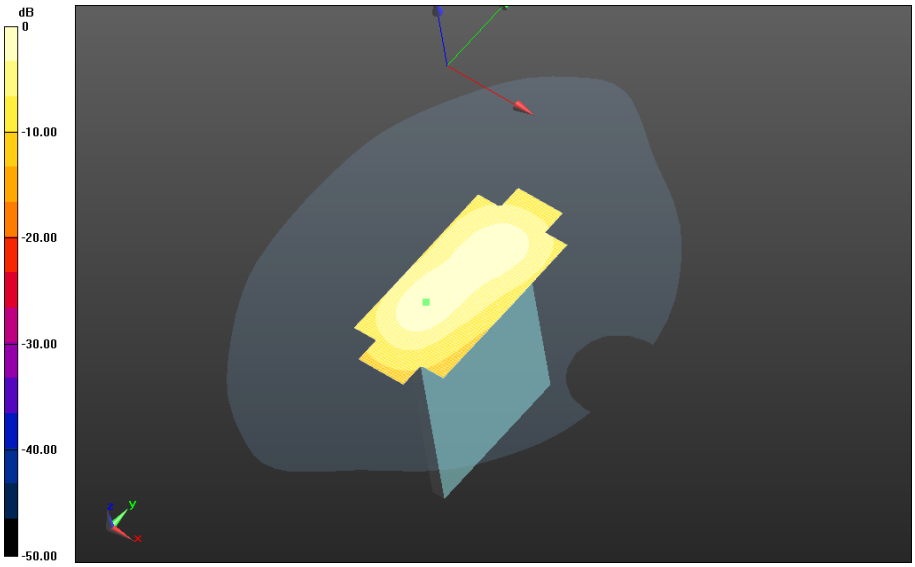
Fast SAR: SAR(1g) = 0.181 W/kg; SAR(10g) = 0.0990 W/kg
Maximum value of SAR (interpolated) = 0.207 W/kg



0 dB = 0.207 W/kg = -6.84 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Bottom - LTE band 2_chan18900_20MHz_BW_RB1_Offset_Mid_amb_temp_23.6C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.197 V/m; **Power Drift = -0.051 dB**

Fast SAR: SAR(1g) = 0.213 W/kg; SAR(10g) = 0.120 W/kg
Maximum value of SAR (interpolated) = 0.243 W/kg



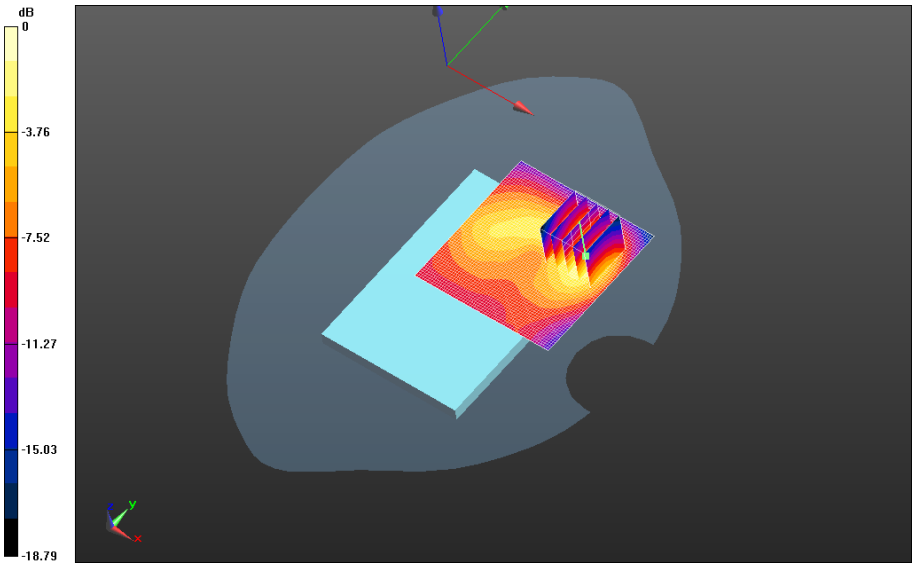
0 dB = 0.243 W/kg = -6.14 dBW/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan19100_20MHz_16QAM_BW_RB1_Offset_Low_amb_temp_23.6C_liq_temp_22.1C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.591 V/m; **Power Drift = -0.052 dB**

Fast SAR: SAR(1g) = 0.541 W/kg; SAR(10g) = 0.300 W/kg
Maximum value of SAR (interpolated) = 0.620 W/kg

Mobile Hot Spot MSL - LTE Band 2/10mm Device Back - LTE band 2_chan19100_20MHz_16QAM_BW_RB1_Offset_Low_amb_temp_23.6C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.591 V/m; **Power Drift = -0.052 dB**

Averaged SAR: SAR(1g) = 0.569 W/kg; SAR(10g) = 0.311 W/kg
Maximum value of SAR (interpolated) = 0.906 W/kg



0 dB = 0.609 W/kg = -2.15 dBW/kg

Date: 4/13/2015

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

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 = 1.488 S/m; ε_r = 51.918; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

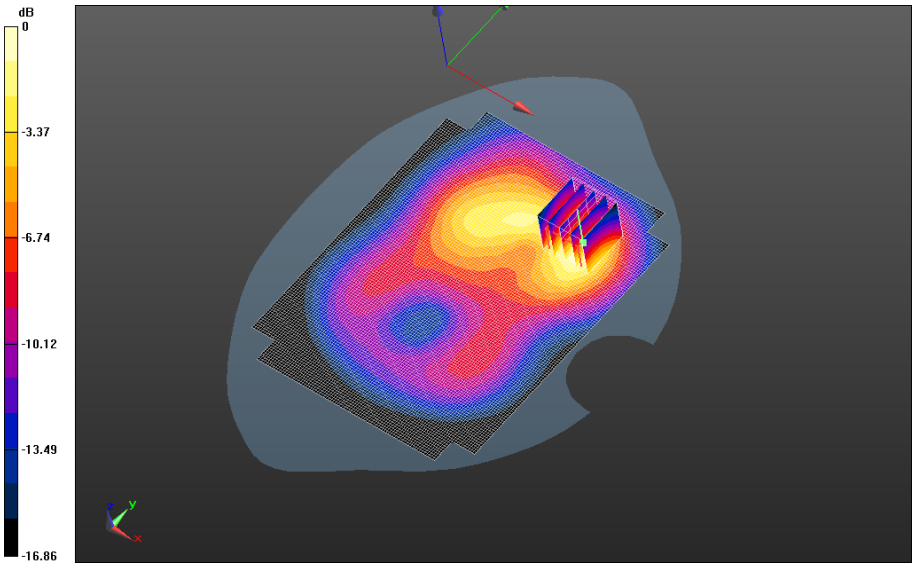
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_24.2_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.151 V/m; **Power Drift = -0.049 dB**

Fast SAR: SAR(1g) = 0.432 W/kg; SAR(10g) = 0.250 W/kg
Maximum value of SAR (interpolated) = 0.492 W/kg

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_24.2_liq_temp_21.8C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.151 V/m; **Power Drift = -0.049 dB**

Averaged SAR: SAR(1g) = 0.465 W/kg; SAR(10g) = 0.270 W/kg
Maximum value of SAR (interpolated) = 0.702 W/kg



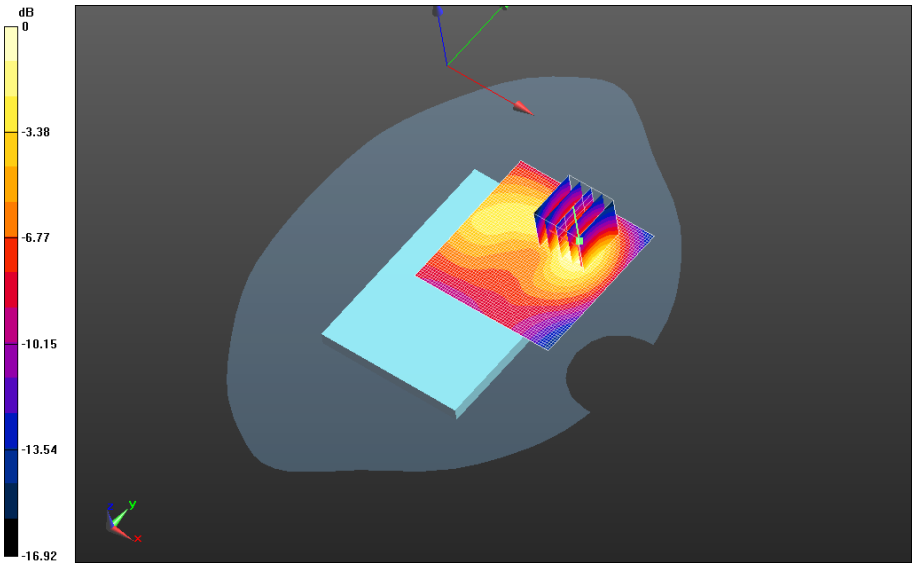
0 dB = 0.506 W/kg = -2.96 dBW/kg

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/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.914 V/m; **Power Drift = 0.049 dB**

Fast SAR: SAR(1g) = 0.431 W/kg; SAR(10g) = 0.241 W/kg
Maximum value of SAR (interpolated) = 0.482 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 (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.914 V/m; **Power Drift = 0.049 dB**

Averaged SAR: SAR(1g) = 0.443 W/kg; SAR(10g) = 0.256 W/kg
Maximum value of SAR (interpolated) = 0.685 W/kg



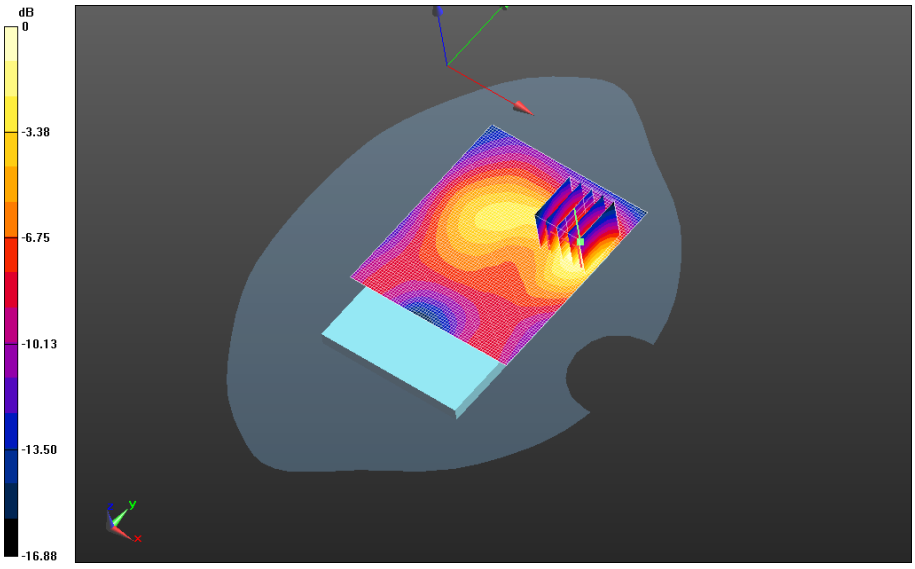
0 dB = 0.495 W/kg = -3.05 dBW/kg

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_21.7C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.455 V/m; **Power Drift = -0.026 dB**

Fast SAR: SAR(1g) = 0.453 W/kg; SAR(10g) = 0.245 W/kg
Maximum value of SAR (interpolated) = 0.535 W/kg

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan19100_20MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.455 V/m; **Power Drift = -0.026 dB**

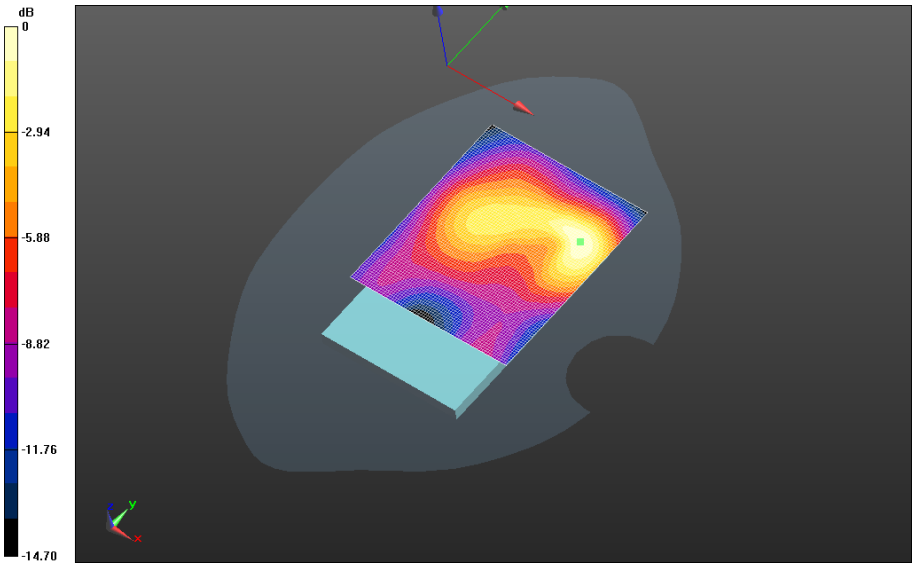
Averaged SAR: SAR(1g) = 0.469 W/kg; SAR(10g) = 0.271 W/kg
Maximum value of SAR (interpolated) = 0.716 W/kg



0 dB = 0.523 W/kg = -2.81 dBW/kg

Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_24.2C_liq_temp_21.8C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.455 V/m; **Power Drift = -0.016 dB**

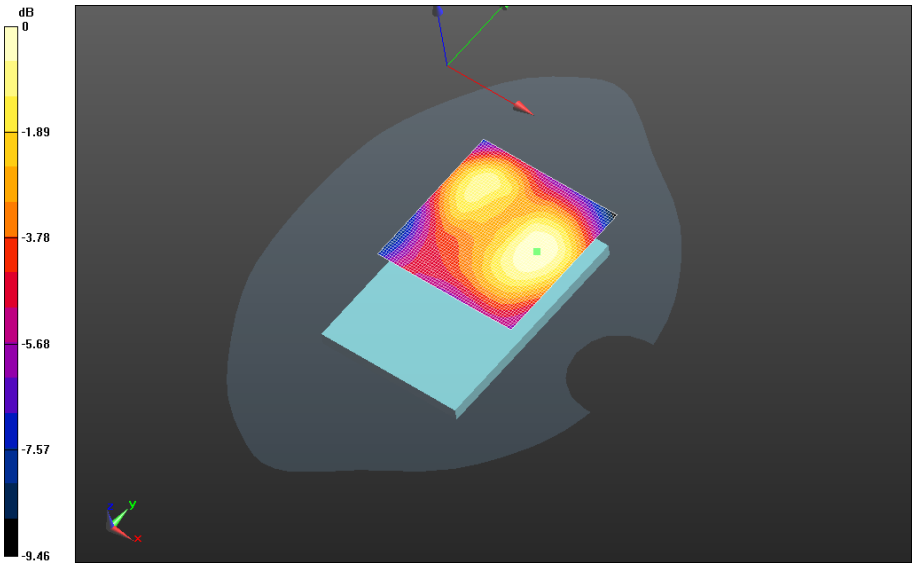
Fast SAR: SAR(1g) = 0.364 W/kg; SAR(10g) = 0.197 W/kg
Maximum value of SAR (interpolated) = 0.427 W/kg



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

Body Worn MSL - LTE band 2/15mm Device Front - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_24.4C_liq_temp_21.8C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.430 V/m; **Power Drift = -0.017 dB**

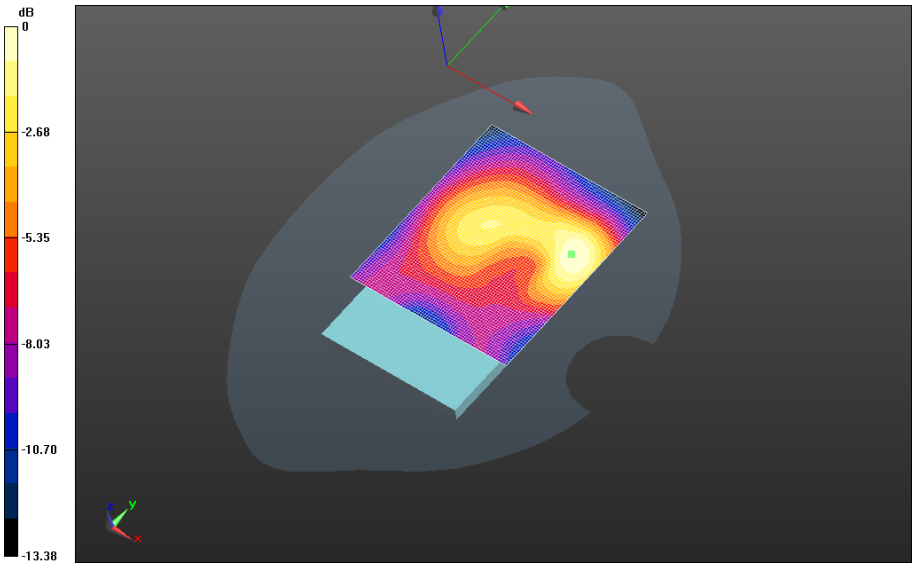
Fast SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.159 W/kg
Maximum value of SAR (interpolated) = 0.278 W/kg



0 dB = 0.278 W/kg = -5.56 dBW/kg

Body Worn MSL - LTE band 2/Holster Device Back - LTE band 2_chan18700_20MHz_BW_RB1_Offset_Mid_amb_temp_24.5C_liq_temp_21.9C/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.180 V/m; **Power Drift = -0.046 dB**

Fast SAR: SAR(1g) = 0.283 W/kg; SAR(10g) = 0.159 W/kg
Maximum value of SAR (interpolated) = 0.312 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg

GSM 1900

Date: 4/13/2015

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

Configuration: Right-Hand-Side HSL - GSM_DTM 1900

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;
Frequency: 1850.2 MHz
Medium Parameters used: f=1850.2 MHz; σ = 1.350 S/m; ε_r = 38.632; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

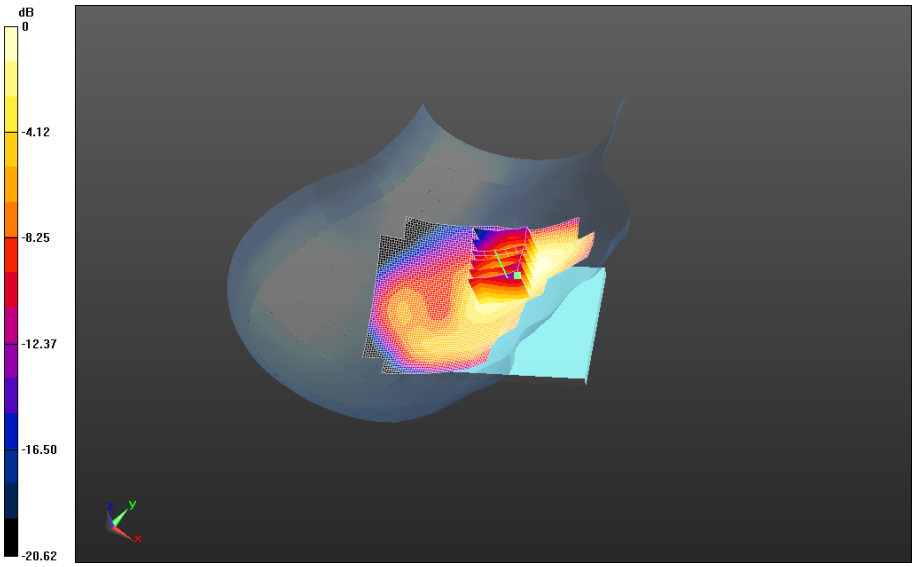
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan512_amb_temp_23.5C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.299 V/m; **Power Drift = -0.065 dB**

Fast SAR: SAR(1g) = 0.270 W/kg; SAR(10g) = 0.159 W/kg
Maximum value of SAR (interpolated) = 0.293 W/kg

Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan512_amb_temp_23.5C_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 = 7.299 V/m; **Power Drift = -0.065 dB**

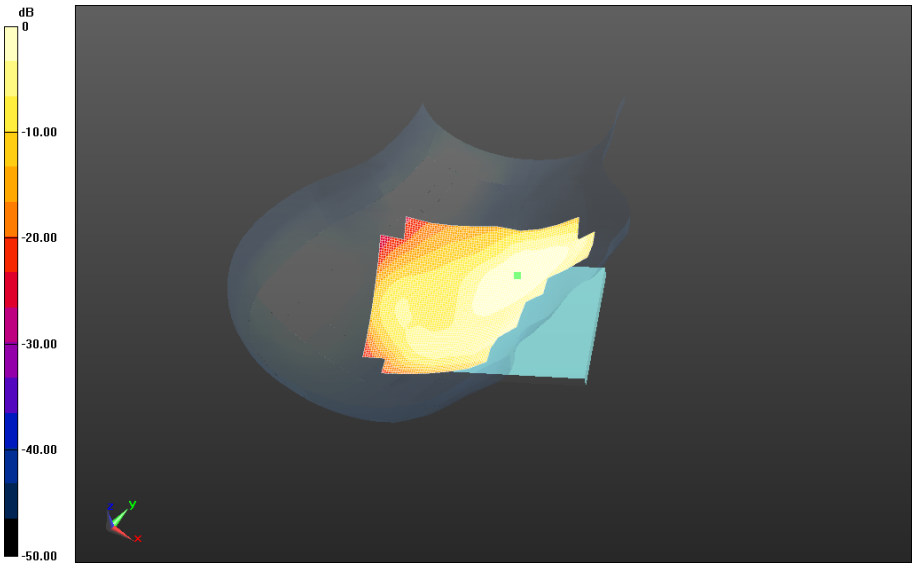
Averaged SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.173 W/kg
Maximum value of SAR (interpolated) = 0.344 W/kg



0 dB = 0.271 W/kg = -5.67 dBW/kg

Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_23.7C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.894 V/m; **Power Drift = 0.025 dB**

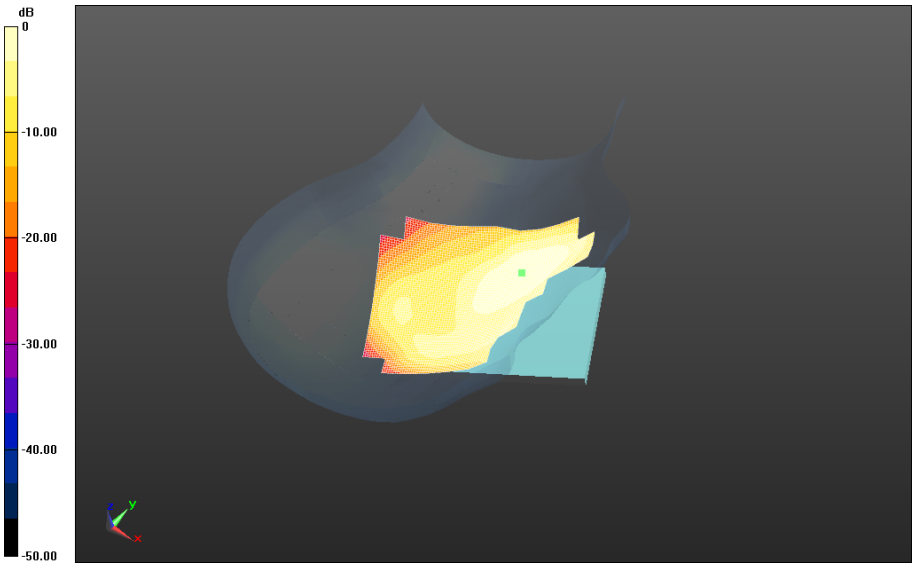
Fast SAR: SAR(1g) = 0.215 W/kg; SAR(10g) = 0.127 W/kg
Maximum value of SAR (interpolated) = 0.235 W/kg



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

Right-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan810_amb_temp_23.7C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.138 V/m; **Power Drift = -0.092 dB**

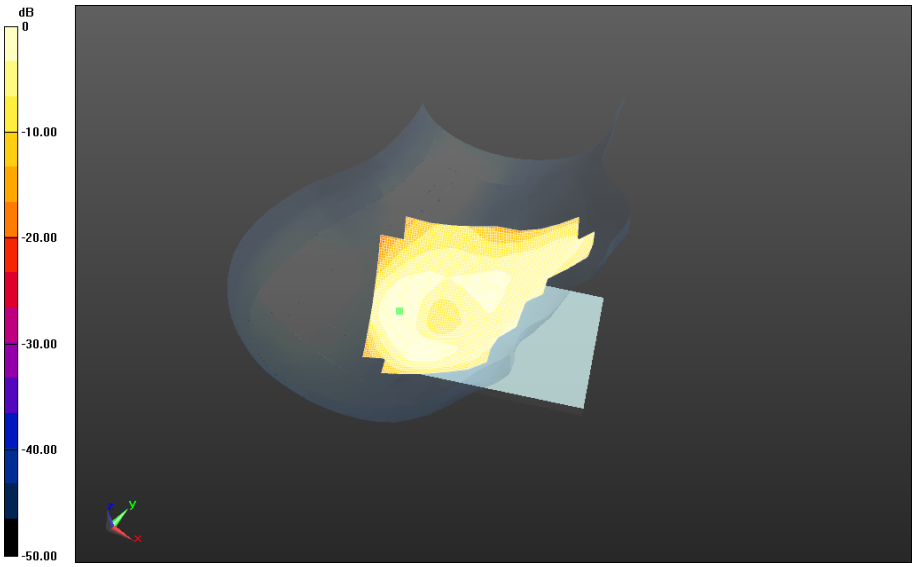
Fast SAR: SAR(1g) = 0.162 W/kg; SAR(10g) = 0.0958 W/kg
Maximum value of SAR (interpolated) = 0.177 W/kg



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

Right-Hand-Side HSL - GSM_DTM 1900/Tilt Position -DTM 1900_2-slots_chan661_amb_temp_23.6C_liq_temp_20.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.258 V/m; **Power Drift = -0.067 dB**

Fast SAR: SAR(1g) = 0.0745 W/kg; SAR(10g) = 0.0403 W/kg
Maximum value of SAR (interpolated) = 0.0841 W/kg



0 dB = 0.0841 W/kg = -10.75 dBW/kg

Date: 4/13/2015

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

Configuration: Left-Hand-Side HSL - GSM_DTM 1900

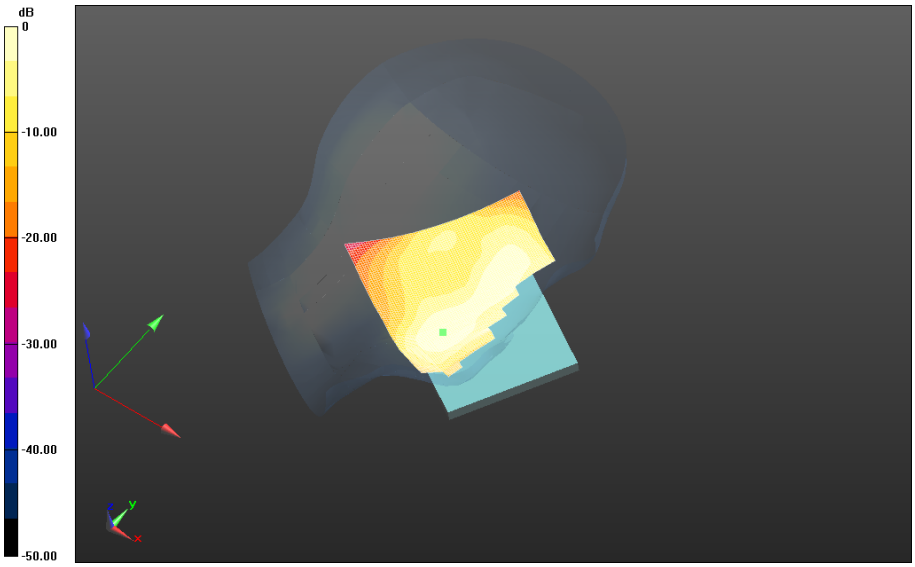
Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.379 S/m; ε_r = 38.564; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - GSM_DTM 1900/Touch Position -DTM 1900_2-slots_chan661_amb_temp_23.4C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.079 V/m; **Power Drift = 0.223 dB**

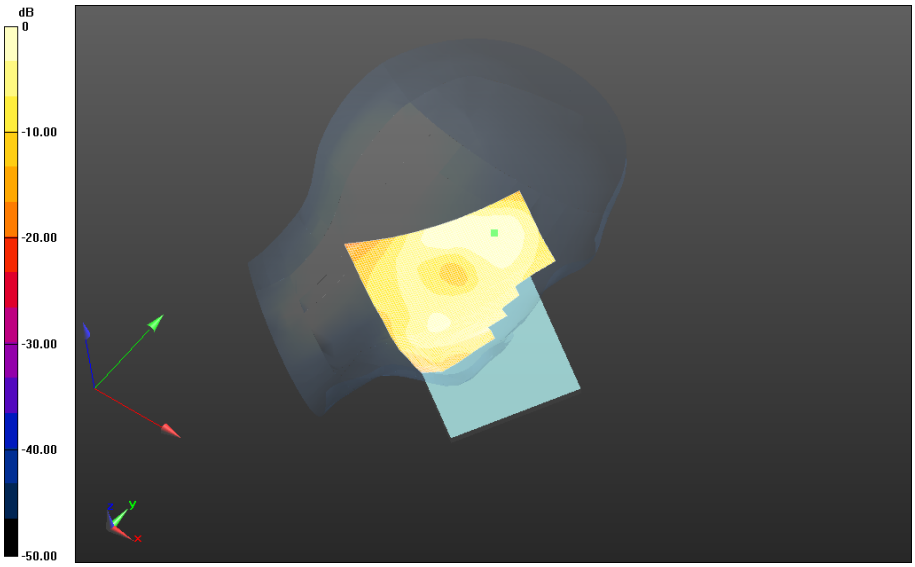
Fast SAR: SAR(1g) = 0.159 W/kg; SAR(10g) = 0.0921 W/kg
Maximum value of SAR (interpolated) = 0.183 W/kg



0 dB = 0.183 W/kg = -7.38 dBW/kg

Left-Hand-Side HSL - GSM_DTM 1900/Tilt Position - DTM 1900_2-slot_chan661_amb_temp_23.7C_liq_temp_20.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.048 V/m; **Power Drift = 0.044 dB**

Fast SAR: SAR(1g) = 0.0784 W/kg; SAR(10g) = 0.0466 W/kg
Maximum value of SAR (interpolated) = 0.0930 W/kg



0 dB = 0.0930 W/kg = -10.32 dBW/kg

Date: 4/13/2015

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

Configuration: Mobile Hot Spot MSL - GPRS 1900

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900; Frequency: 1850.2 MHz
Medium Parameters used: f=1850.2 MHz; σ = 1.477 S/m; ε_r = 51.936; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

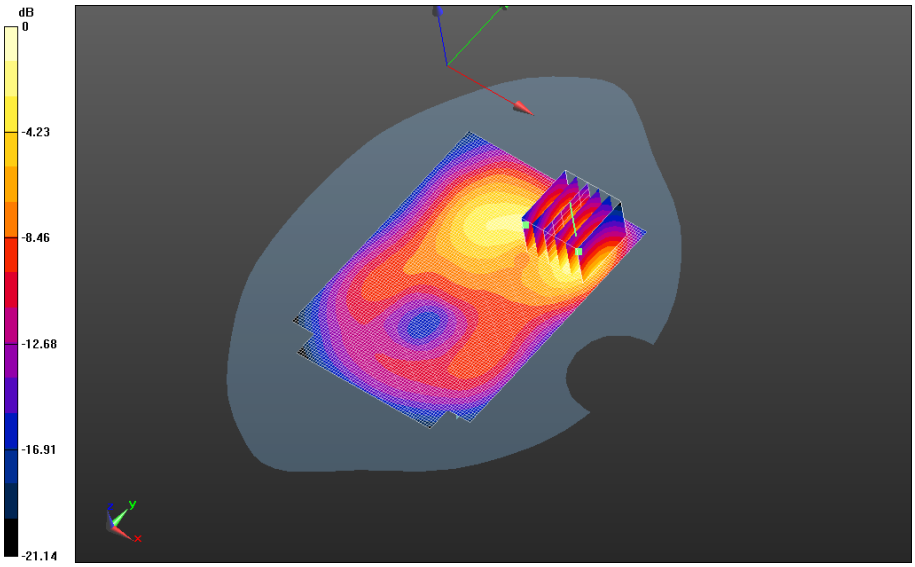
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan512_amb_temp_23.8C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.460 V/m; **Power Drift = -0.174 dB**

Fast SAR: SAR(1g) = 0.703 W/kg; SAR(10g) = 0.394 W/kg
Maximum value of SAR (interpolated) = 0.777 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan512_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 = 10.460 V/m; **Power Drift = -0.174 dB**

Averaged SAR: SAR(1g) = 0.768 W/kg; SAR(10g) = 0.413 W/kg
Maximum value of SAR (interpolated) = 1.24 W/kg



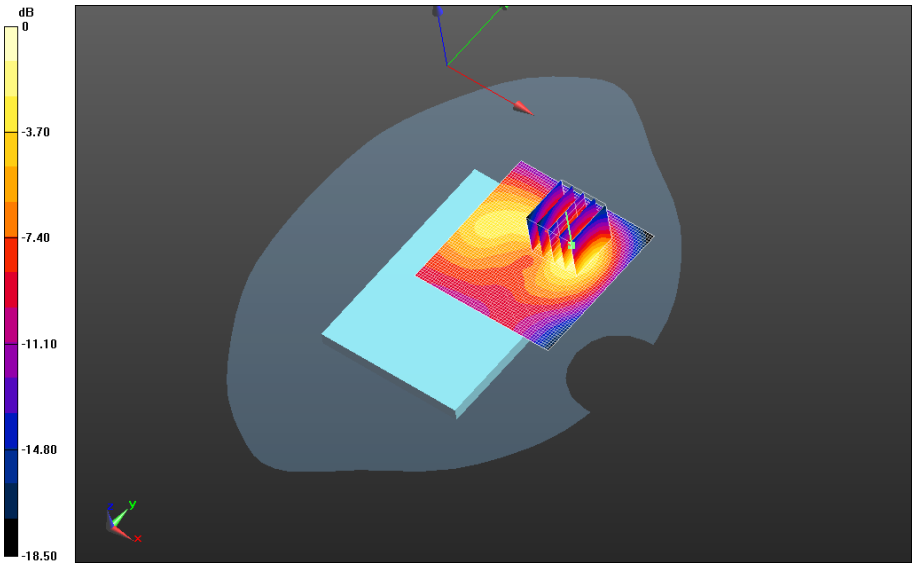
0 dB = 0.827 W/kg = -0.82 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan661_amb_temp_23.7C_liq_temp_21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.993 V/m; **Power Drift = -0.050 dB**

Fast SAR: SAR(1g) = 0.635 W/kg; SAR(10g) = 0.337 W/kg
Maximum value of SAR (interpolated) = 0.725 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan661_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.993 V/m; **Power Drift = -0.050 dB**

Averaged SAR: SAR(1g) = 0.670 W/kg; SAR(10g) = 0.357 W/kg
Maximum value of SAR (interpolated) = 1.11 W/kg



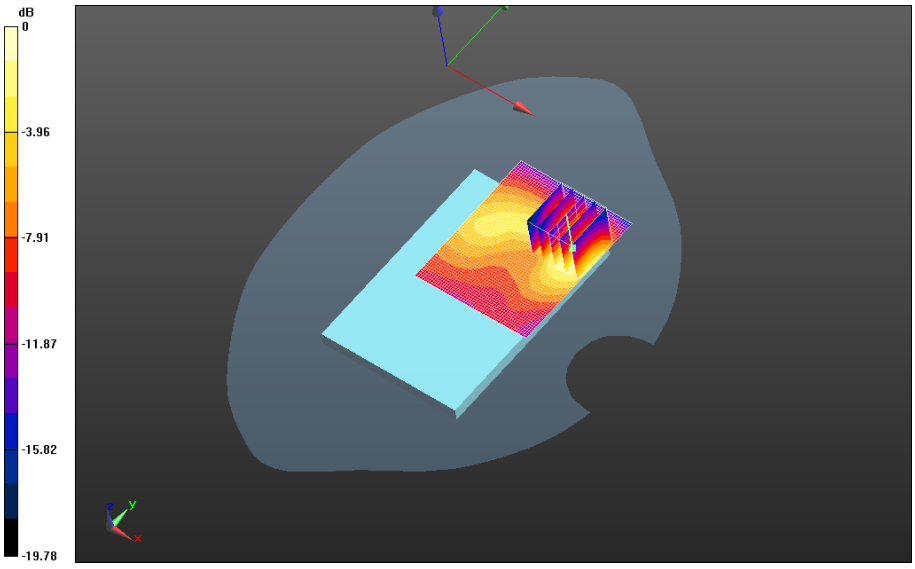
0 dB = 0.726 W/kg = -1.39 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.9C_liq_temp_21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.730 V/m; **Power Drift = 0.115 dB**

Fast SAR: SAR(1g) = 0.562 W/kg; SAR(10g) = 0.294 W/kg
Maximum value of SAR (interpolated) = 0.643 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_2-slot_chan810_amb_temp_23.9C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.730 V/m; **Power Drift = 0.115 dB**

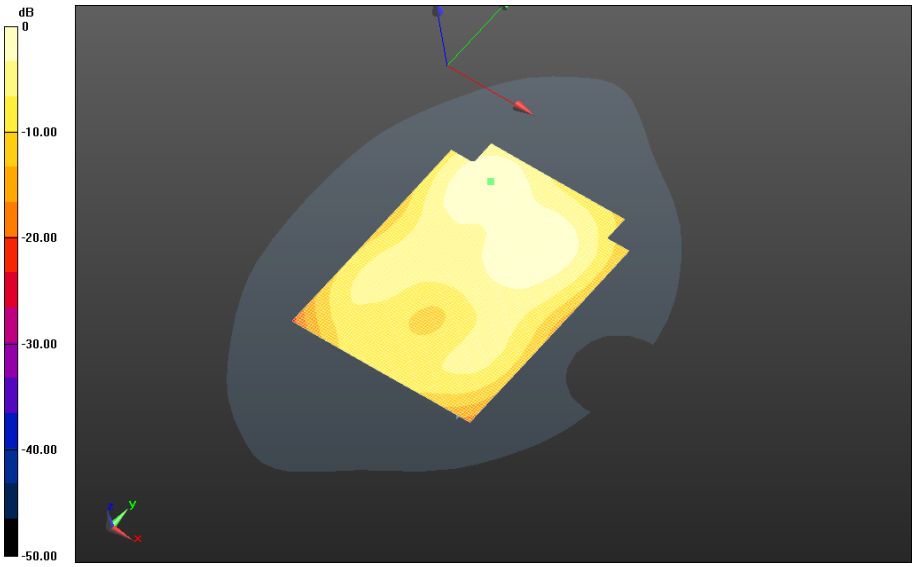
Averaged SAR: SAR(1g) = 0.579 W/kg; SAR(10g) = 0.306 W/kg
Maximum value of SAR (interpolated) = 0.961 W/kg



0 dB = 0.617 W/kg = -2.10 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Front- GPRS1900_2-slot_chan661_amb_temp_23.6C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.972 V/m; **Power Drift = -0.042 dB**

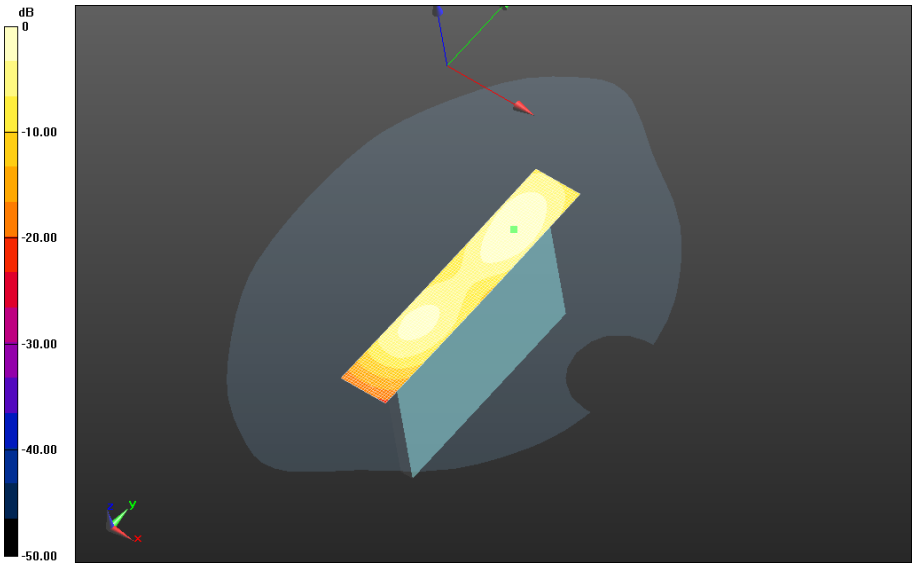
Fast SAR: SAR(1g) = 0.248 W/kg; SAR(10g) = 0.143 W/kg
Maximum value of SAR (interpolated) = 0.279 W/kg



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

Mobile Hot Spot MSL - GPRS 1900/10mm Device Right - GPRS1900_2-slot_chan661_amb_temp_23.8C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.845 V/m; **Power Drift = -0.020 dB**

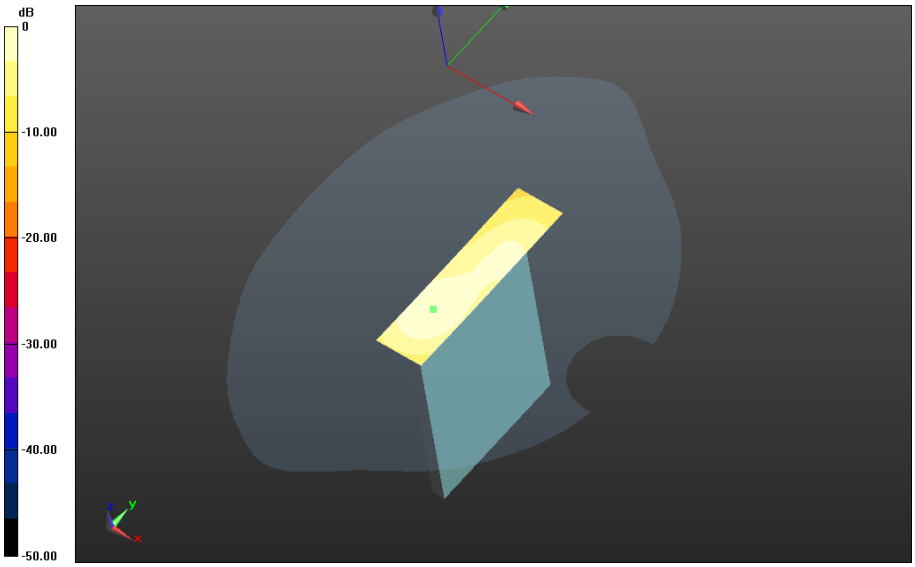
Fast SAR: SAR(1g) = 0.221 W/kg; SAR(10g) = 0.122 W/kg
Maximum value of SAR (interpolated) = 0.248 W/kg



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

Mobile Hot Spot MSL - GPRS 1900/10mm Device Bottom - GPRS1900_2-slot_chan661_amb_temp_23.6C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.181 V/m; **Power Drift = -0.000878 dB**

Fast SAR: SAR(1g) = 0.298 W/kg; SAR(10g) = 0.168 W/kg
Maximum value of SAR (interpolated) = 0.331 W/kg



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

Date: 4/27/2015

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

Configuration: Mobile Hot Spot MSL - GPRS 1900 Rev 2-02

Communication System: GPRS 1900 (4-slots) (0); Communication System Band: GPRS 1900 (4 slots); Frequency: 1850.2 MHz
Medium Parameters used: f=1850.2 MHz; σ = 1.517 S/m; ε_r = 51.726; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

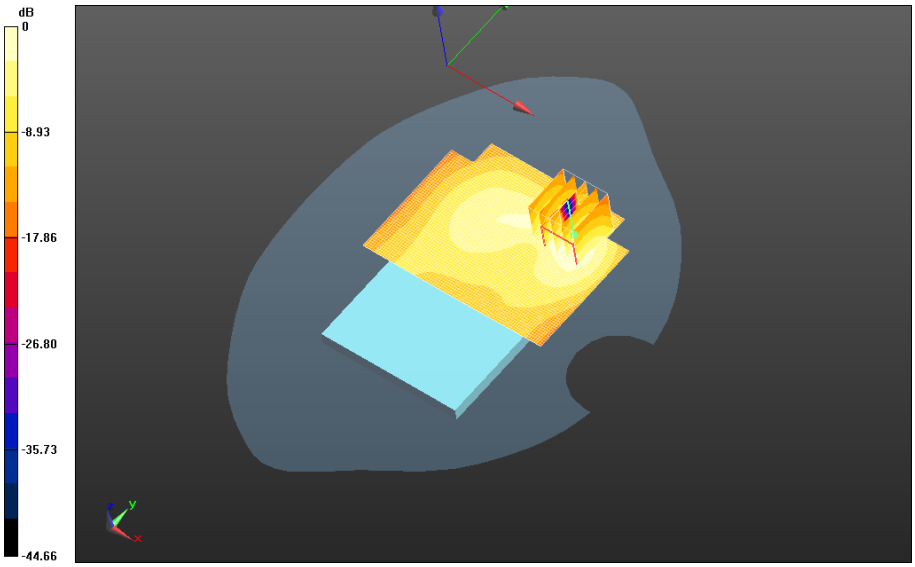
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - GPRS 1900 Rev 2-02/10mm Device Back - GPRS1900_4-slot_chan512_amb_temp_24.5C_liq_temp_22.2C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.902 V/m; **Power Drift = -0.133 dB**

Fast SAR: SAR(1g) = 0.776 W/kg; SAR(10g) = 0.439 W/kg
Maximum value of SAR (interpolated) = 0.877 W/kg

Mobile Hot Spot MSL - GPRS 1900 Rev 2-02/10mm Device Back - GPRS1900_4-slot_chan512_amb_temp_24.5C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.902 V/m; **Power Drift = -0.133 dB**

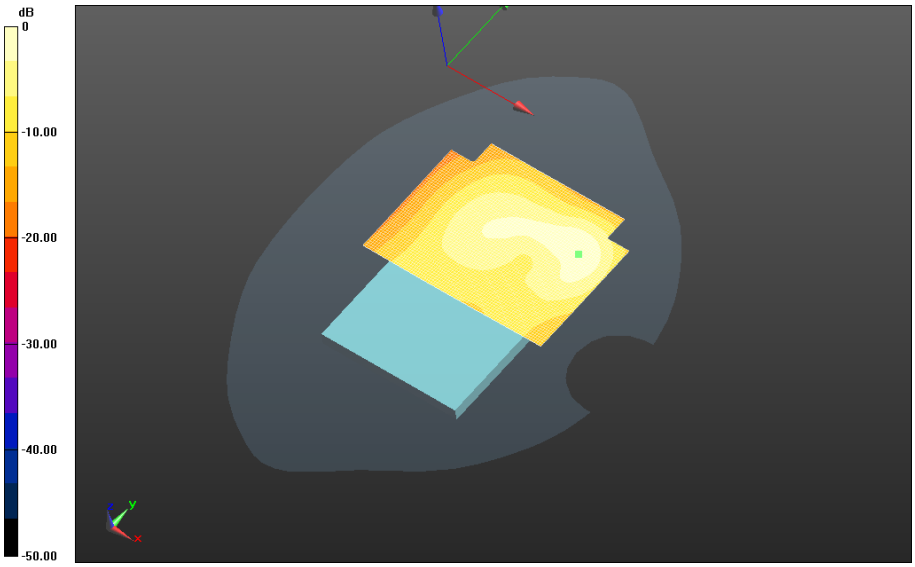
Averaged SAR: SAR(1g) = 0.835 W/kg; SAR(10g) = 0.438 W/kg
Maximum value of SAR (interpolated) = 1.35 W/kg



0 dB = 0.948 W/kg = -0.23 dBW/kg

Mobile Hot Spot MSL - GPRS 1900 Rev 2-02/10mm Device Back - 2nd Scan_ GPRS1900_4-slot_chan512_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.521 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.775 W/kg; SAR(10g) = 0.414 W/kg
Maximum value of SAR (interpolated) = 0.904 W/kg



0 dB = 0.904 W/kg = -0.44 dBW/kg

Date: 4/13/2015

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

Configuration: Body Worn MSL - GPRS 1900

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900; Frequency: 1850.2 MHz
Medium Parameters used: f=1850.2 MHz; σ = 1.477 S/m; ε_r = 51.936; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

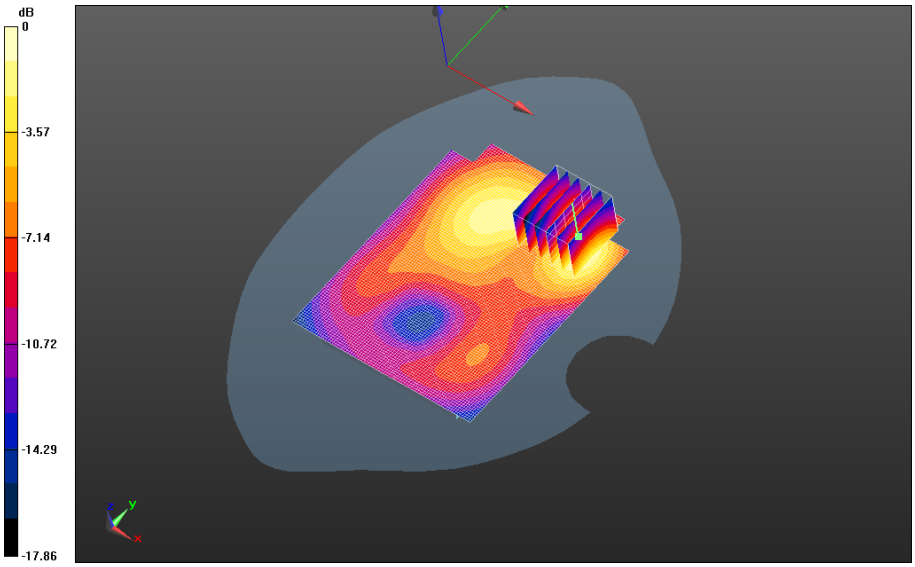
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900_2-slot_chan512_amb_temp_23.5C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.786 V/m; **Power Drift = -0.000622 dB**

Fast SAR: SAR(1g) = 0.320 W/kg; SAR(10g) = 0.186 W/kg
Maximum value of SAR (interpolated) = 0.350 W/kg

Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900_2-slot_chan512_amb_temp_23.5C_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 = 7.786 V/m; **Power Drift = -0.000622 dB**

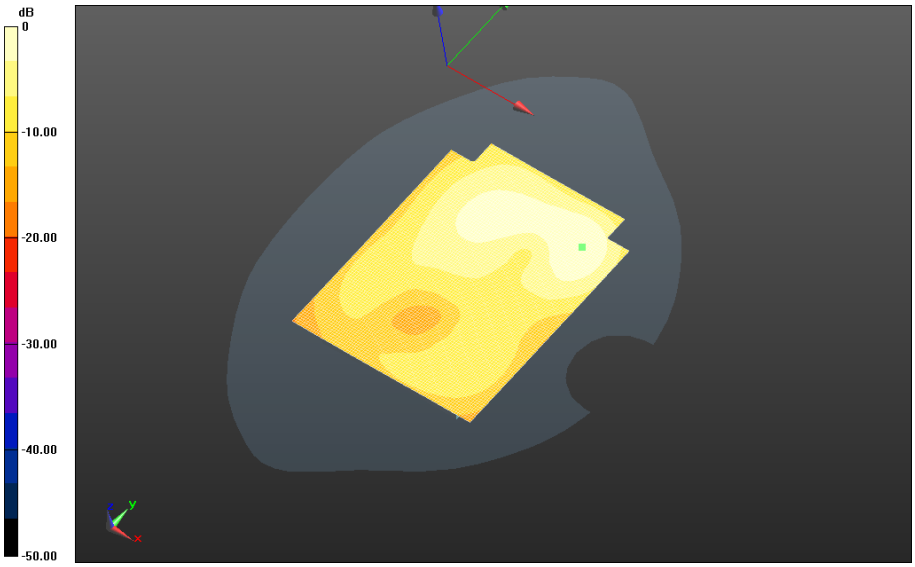
Averaged SAR: SAR(1g) = 0.338 W/kg; SAR(10g) = 0.196 W/kg
Maximum value of SAR (interpolated) = 0.512 W/kg



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

Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900_2-slot_chan661_amb_temp_23.5C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.647 V/m; **Power Drift = 0.064 dB**

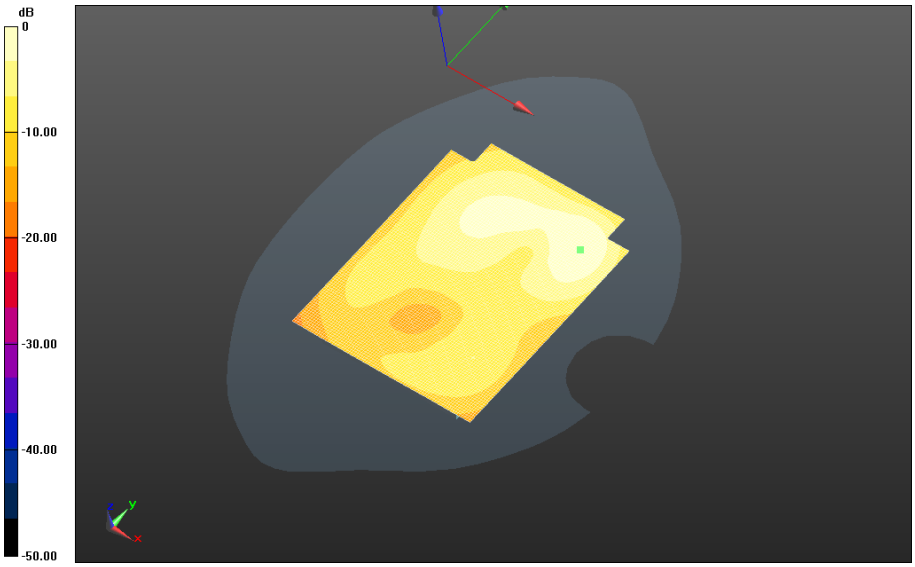
Fast SAR: SAR(1g) = 0.263 W/kg; SAR(10g) = 0.152 W/kg
Maximum value of SAR (interpolated) = 0.290 W/kg



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

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 = 5.826 V/m; **Power Drift = 0.016 dB**

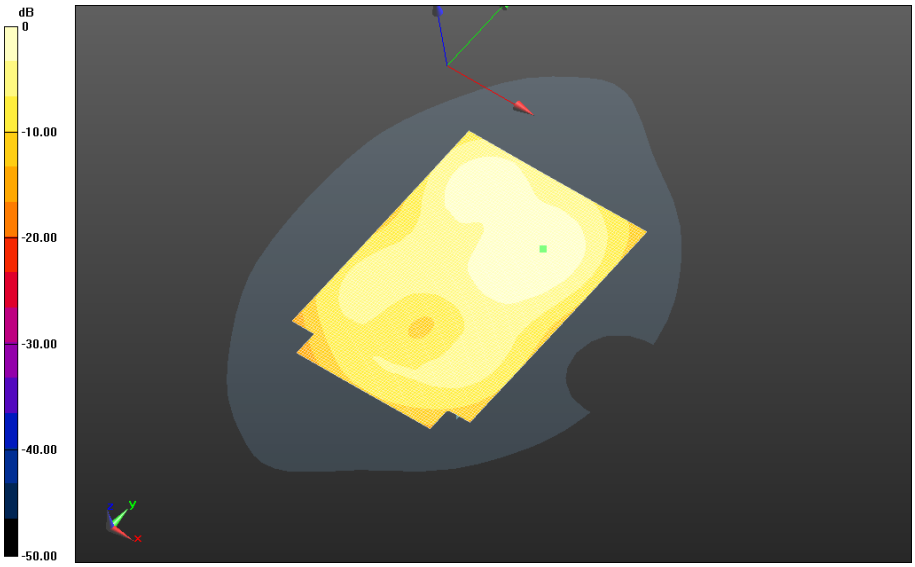
Fast SAR: SAR(1g) = 0.225 W/kg; SAR(10g) = 0.129 W/kg
Maximum value of SAR (interpolated) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

Body Worn MSL - GPRS 1900/15mm Device Front -GPRS 1900_2-slot_chan661_amb_temp_23.4C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.157 V/m; **Power Drift = 0.020 dB**

Fast SAR: SAR(1g) = 0.147 W/kg; SAR(10g) = 0.0908 W/kg
Maximum value of SAR (interpolated) = 0.159 W/kg



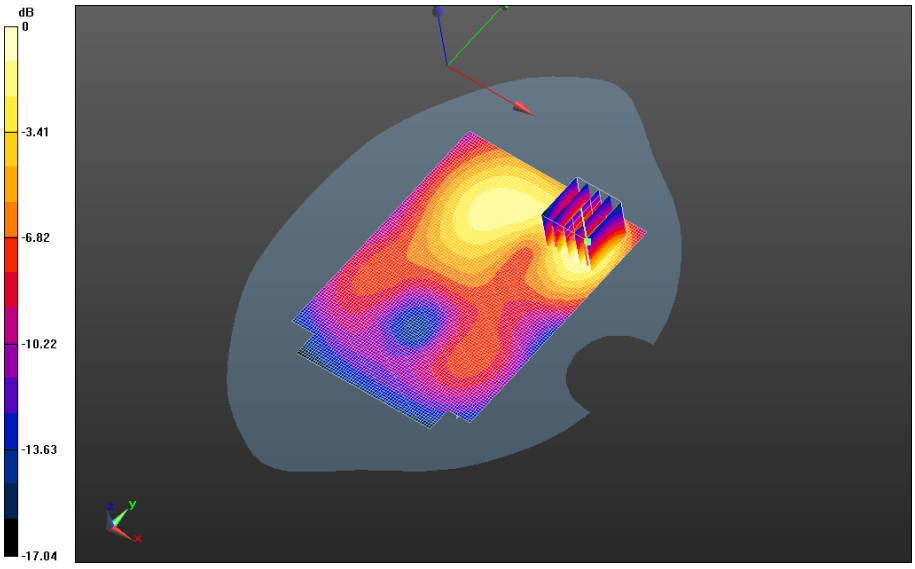
0 dB = 0.159 W/kg = -7.99 dBW/kg

Body Worn MSL - GPRS 1900/Holster Device Back -GPRS 1900_2-slot_chan661_amb_temp_23.2C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.504 V/m; **Power Drift = -0.165 dB**

Fast SAR: SAR(1g) = 0.148 W/kg; SAR(10g) = 0.0855 W/kg
Maximum value of SAR (interpolated) = 0.164 W/kg

Body Worn MSL - GPRS 1900/Holster Device Back -GPRS 1900_2-slot_chan661_amb_temp_23.2C_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 = 5.504 V/m; **Power Drift = -0.165 dB**

Averaged SAR: SAR(1g) = 0.151 W/kg; SAR(10g) = 0.0897 W/kg
Maximum value of SAR (interpolated) = 0.230 W/kg



0 dB = 0.167 W/kg = -7.77 dBW/kg

UMTS Band II

Date: 4/9/2015

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

Configuration: Right-Hand-Side HSL - 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 = 1.362 S/m; ε_r = 38.657; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

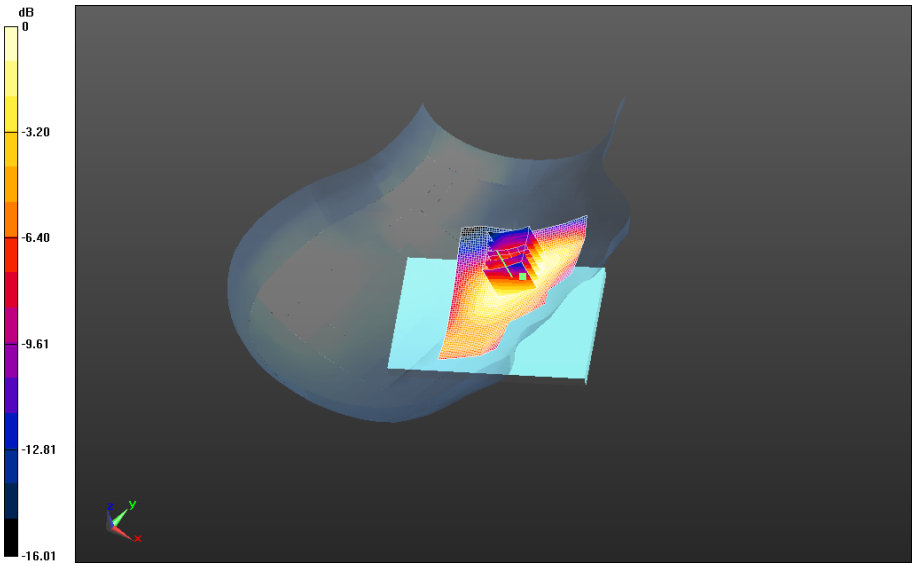
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9262_amb_temp_23.8C_liq_temp_21.0C/Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.537 V/m; **Power Drift = -0.072 dB**

Fast SAR: SAR(1g) = 0.500 W/kg; SAR(10g) = 0.294 W/kg
Maximum value of SAR (interpolated) = 0.548 W/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9262_amb_temp_23.8C_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 = 9.537 V/m; **Power Drift = -0.072 dB**

Averaged SAR: SAR(1g) = 0.494 W/kg; SAR(10g) = 0.327 W/kg
Maximum value of SAR (interpolated) = 0.652 W/kg



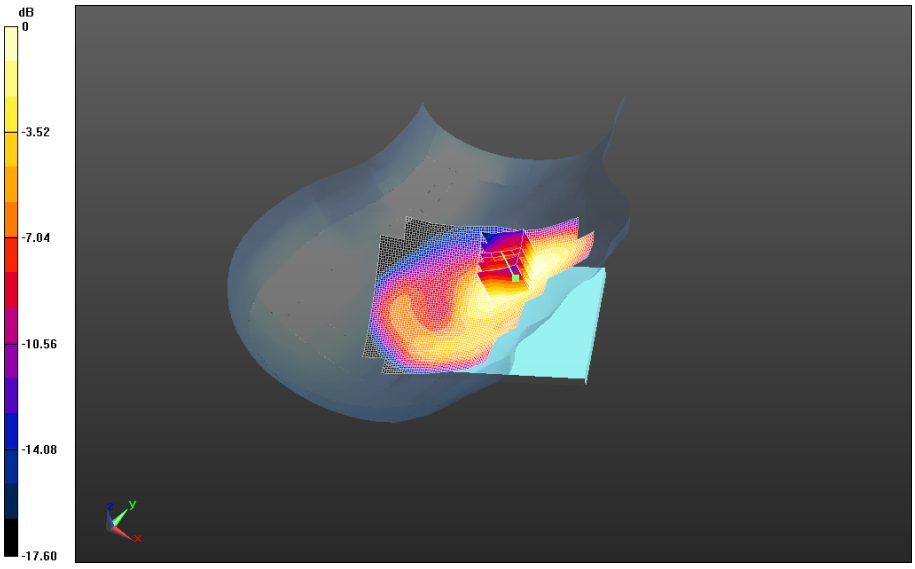
0 dB = 0.521 W/kg = -2.83 dBW/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.772 V/m; **Power Drift = 0.118 dB**

Fast SAR: SAR(1g) = 0.442 W/kg; SAR(10g) = 0.258 W/kg
Maximum value of SAR (interpolated) = 0.490 W/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9400_amb_temp_23.8C_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 = 9.772 V/m; **Power Drift = 0.118 dB**

Averaged SAR: SAR(1g) = 0.427 W/kg; SAR(10g) = 0.283 W/kg
Maximum value of SAR (interpolated) = 0.572 W/kg



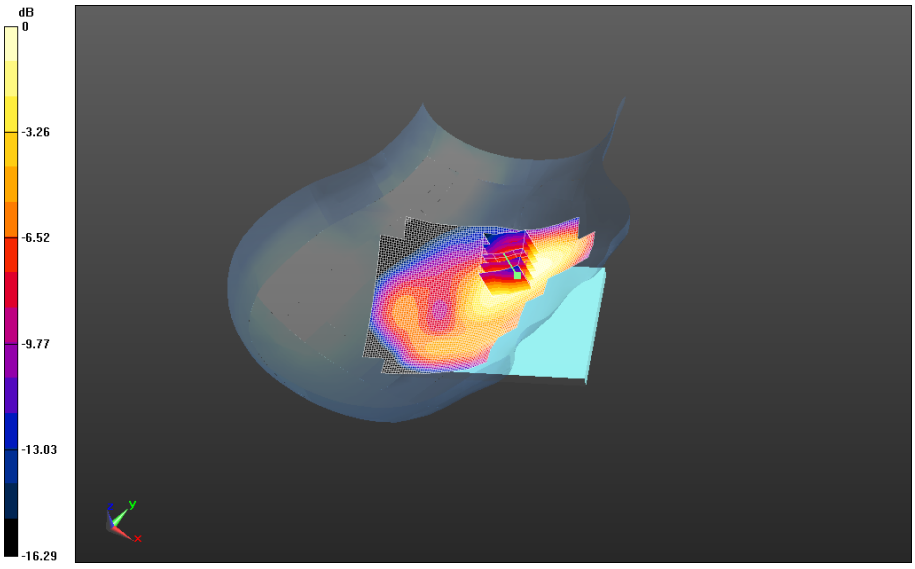
0 dB = 0.455 W/kg = -3.42 dBW/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9538_amb_temp_23.8C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.050 V/m; **Power Drift = -0.104 dB**

Fast SAR: SAR(1g) = 0.349 W/kg; SAR(10g) = 0.203 W/kg
Maximum value of SAR (interpolated) = 0.388 W/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS II_chan9538_amb_temp_23.8C_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 = 9.050 V/m; **Power Drift = -0.104 dB**

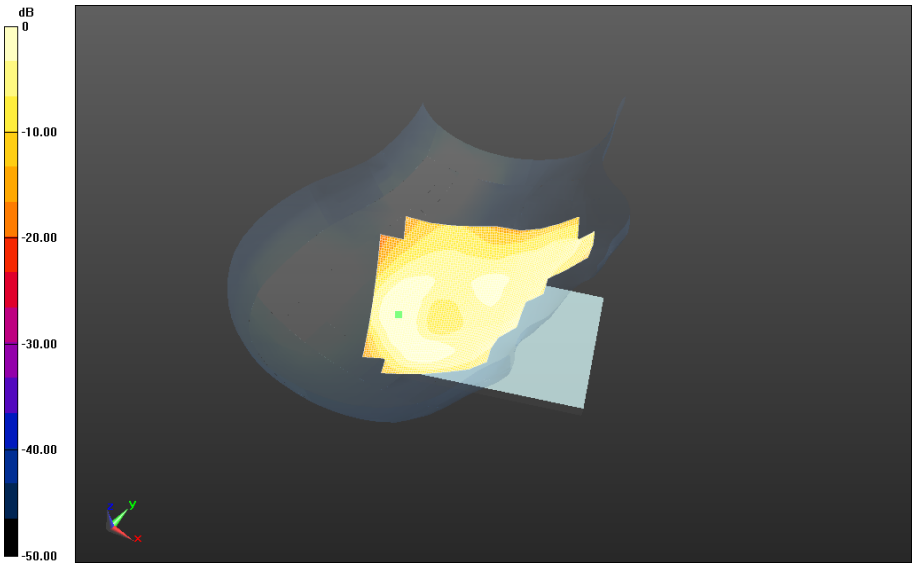
Averaged SAR: SAR(1g) = 0.336 W/kg; SAR(10g) = 0.222 W/kg
Maximum value of SAR (interpolated) = 0.463 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

Right-Hand-Side HSL - UMTS II/Tilt Position -UMTS II_chan9400_amb_temp_23.5C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.997 V/m; **Power Drift = 0.057 dB**

Fast SAR: SAR(1g) = 0.158 W/kg; SAR(10g) = 0.0850 W/kg
Maximum value of SAR (interpolated) = 0.179 W/kg



0 dB = 0.179 W/kg = -7.47 dBW/kg

Date: 4/9/2015

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

Configuration: Left-Hand-Side HSL - UMTS II

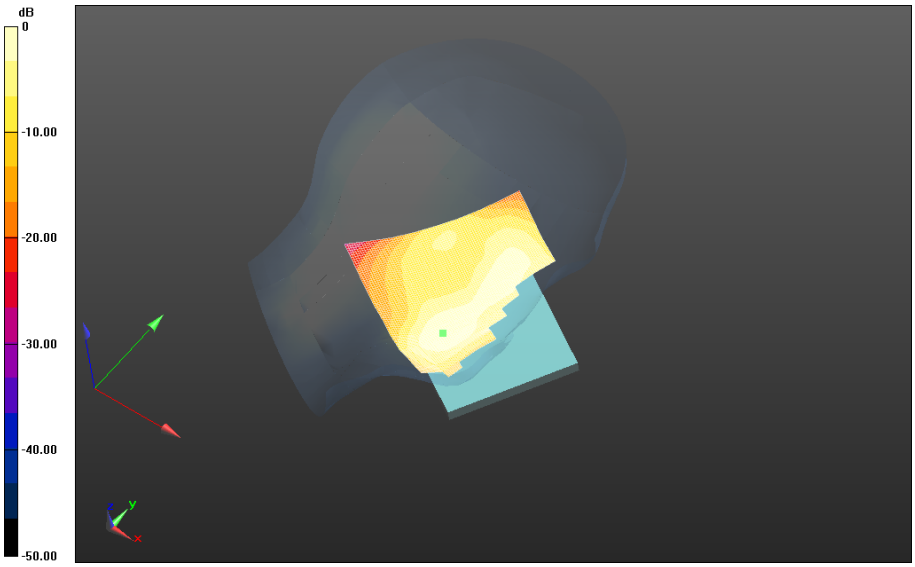
Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;
Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.388 S/m; ε_r = 38.513; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.951 V/m; **Power Drift = 0.103 dB**

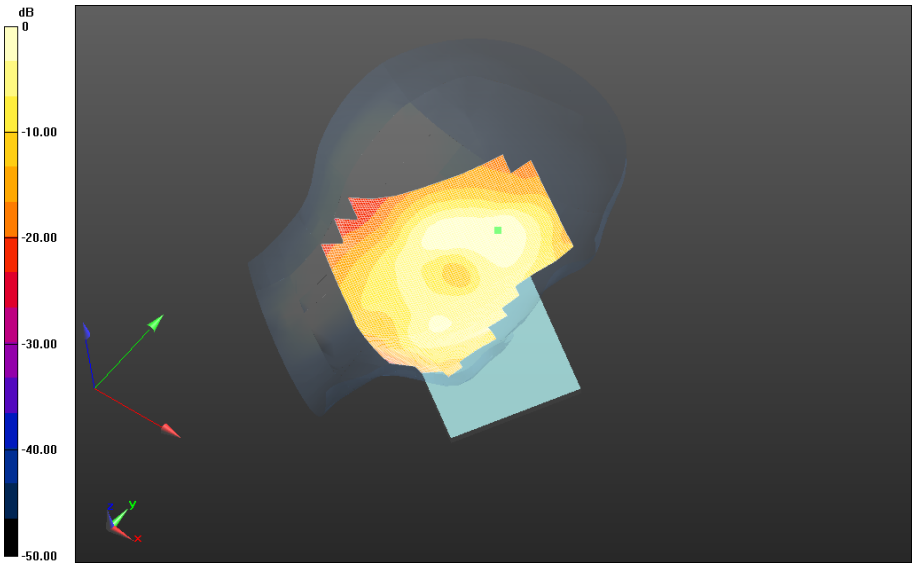
Fast SAR: SAR(1g) = 0.348 W/kg; SAR(10g) = 0.202 W/kg
Maximum value of SAR (interpolated) = 0.405 W/kg



0 dB = 0.405 W/kg = -3.93 dBW/kg

Left-Hand-Side HSL - UMTS II/Tilt Position - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.916 V/m; **Power Drift = -0.047 dB**

Fast SAR: SAR(1g) = 0.161 W/kg; SAR(10g) = 0.0960 W/kg
Maximum value of SAR (interpolated) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.10 dBW/kg

Date: 4/9/2015

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

Configuration: Mobile Hot Spot MSL - UMTS II

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz
Medium Parameters used: f=1852.4 MHz; σ = 1.492 S/m; ε_r = 51.658; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

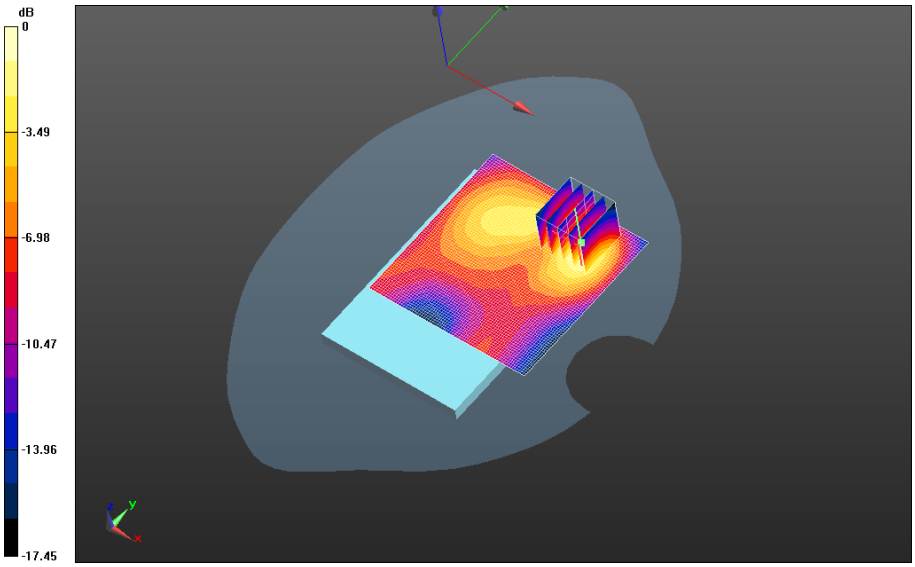
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9262_amb_temp_23.9C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.106 V/m; **Power Drift = -0.024 dB**

Fast SAR: SAR(1g) = 0.723 W/kg; SAR(10g) = 0.379 W/kg
Maximum value of SAR (interpolated) = 0.871 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9262_amb_temp_23.9C_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 = 10.106 V/m; **Power Drift = -0.024 dB**

Averaged SAR: SAR(1g) = 0.732 W/kg; SAR(10g) = 0.406 W/kg
Maximum value of SAR (interpolated) = 1.15 W/kg



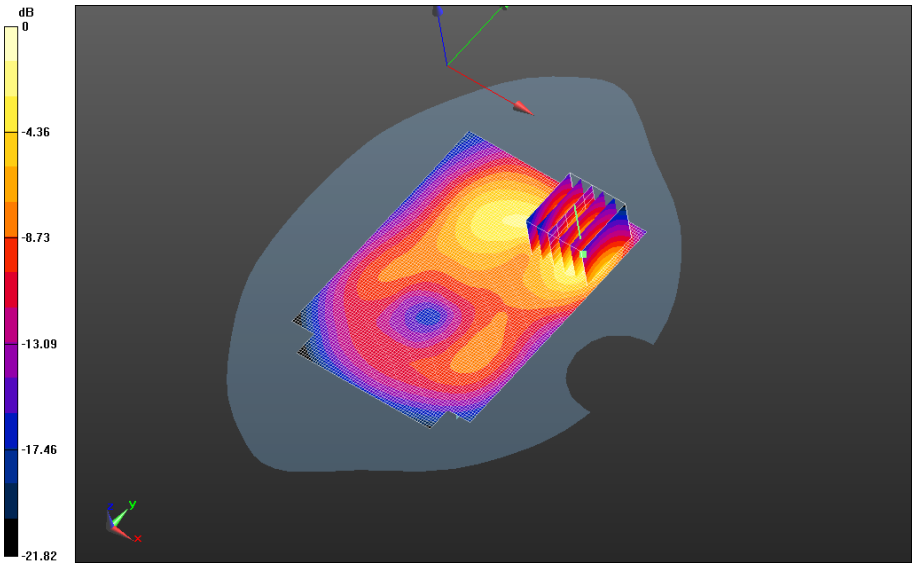
0 dB = 0.827 W/kg = -0.82 dBW/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.405 V/m; **Power Drift = -0.105 dB**

Fast SAR: SAR(1g) = 0.640 W/kg; SAR(10g) = 0.356 W/kg
Maximum value of SAR (interpolated) = 0.740 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9400_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.405 V/m; **Power Drift = -0.105 dB**

Averaged SAR: SAR(1g) = 0.689 W/kg; SAR(10g) = 0.375 W/kg
Maximum value of SAR (interpolated) = 1.12 W/kg



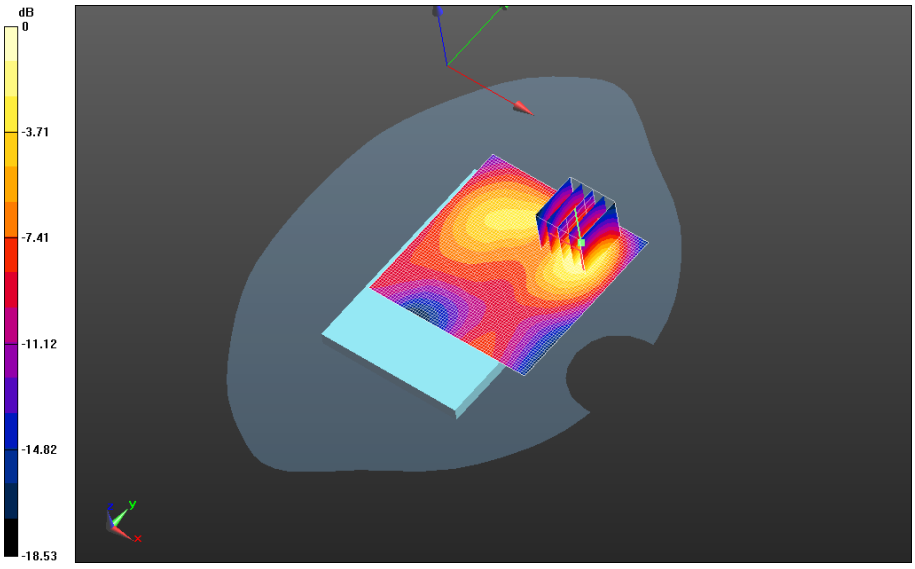
0 dB = 0.771 W/kg = -1.13 dBW/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9538_amb_temp_23.9C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.417 V/m; **Power Drift = -0.018 dB**

Fast SAR: SAR(1g) = 0.614 W/kg; SAR(10g) = 0.320 W/kg
Maximum value of SAR (interpolated) = 0.746 W/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS II_chan9538_amb_temp_23.9C_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 = 8.417 V/m; **Power Drift = -0.018 dB**

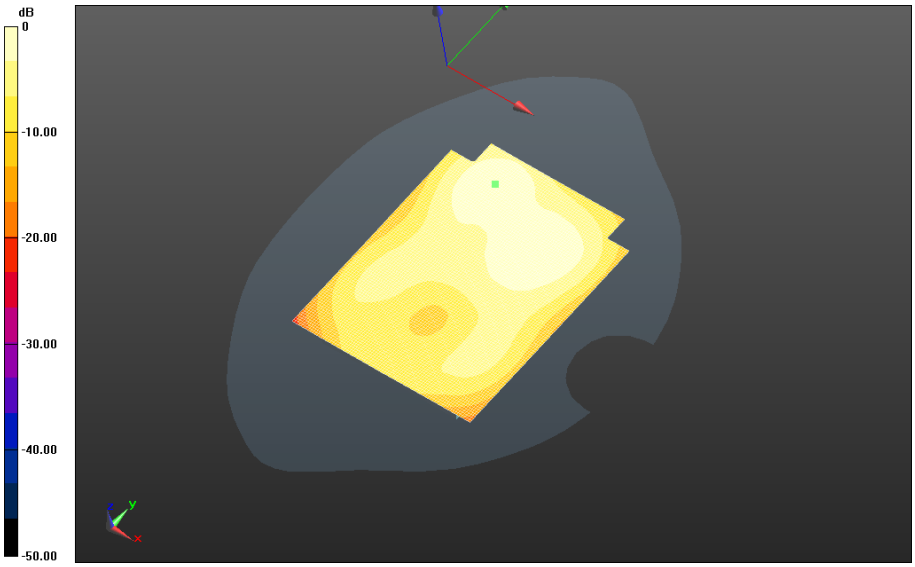
Averaged SAR: SAR(1g) = 0.622 W/kg; SAR(10g) = 0.337 W/kg
Maximum value of SAR (interpolated) = 1.01 W/kg



0 dB = 0.702 W/kg = -1.54 dBW/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS II_chan9400_amb_temp_23.7C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.009 V/m; **Power Drift = 0.051 dB**

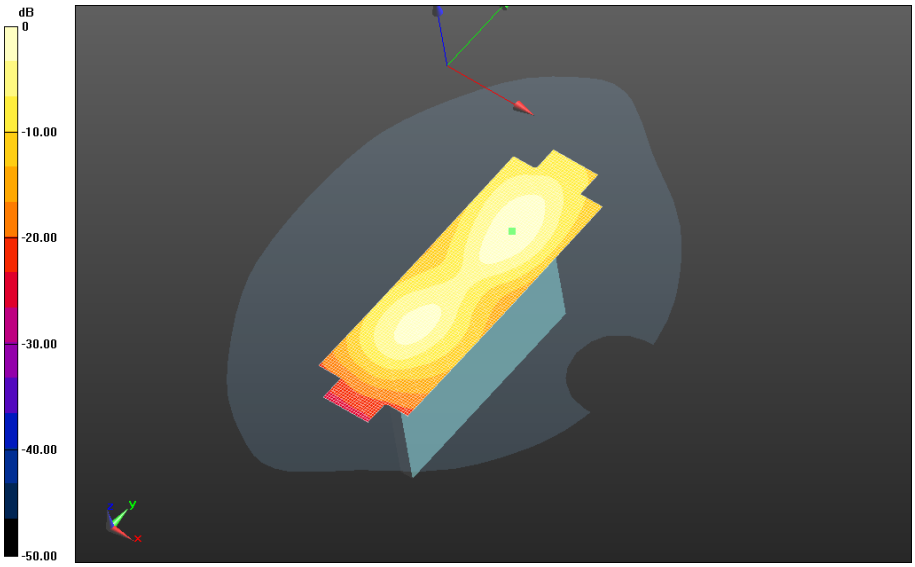
Fast SAR: SAR(1g) = 0.329 W/kg; SAR(10g) = 0.188 W/kg
Maximum value of SAR (interpolated) = 0.370 W/kg



0 dB = 0.370 W/kg = -4.32 dBW/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Right - UMTS II_chan9400_amb_temp_23.7C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.706 V/m; **Power Drift = 0.093 dB**

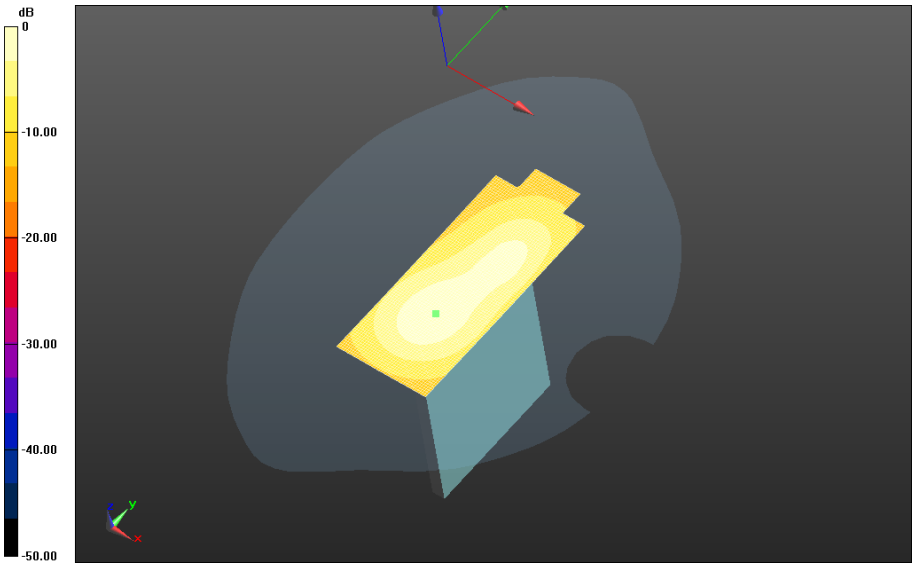
Fast SAR: SAR(1g) = 0.271 W/kg; SAR(10g) = 0.148 W/kg
Maximum value of SAR (interpolated) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dBW/kg

Mobile Hot Spot MSL - UMTS II/10mm Device Bottom - UMTS II_chan9400_amb_temp_23.7C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.130 V/m; **Power Drift = -0.014 dB**

Fast SAR: SAR(1g) = 0.337 W/kg; SAR(10g) = 0.191 W/kg
Maximum value of SAR (interpolated) = 0.375 W/kg



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

Date: 4/10/2015

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

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 = 1.492 S/m; ε_r = 51.658; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

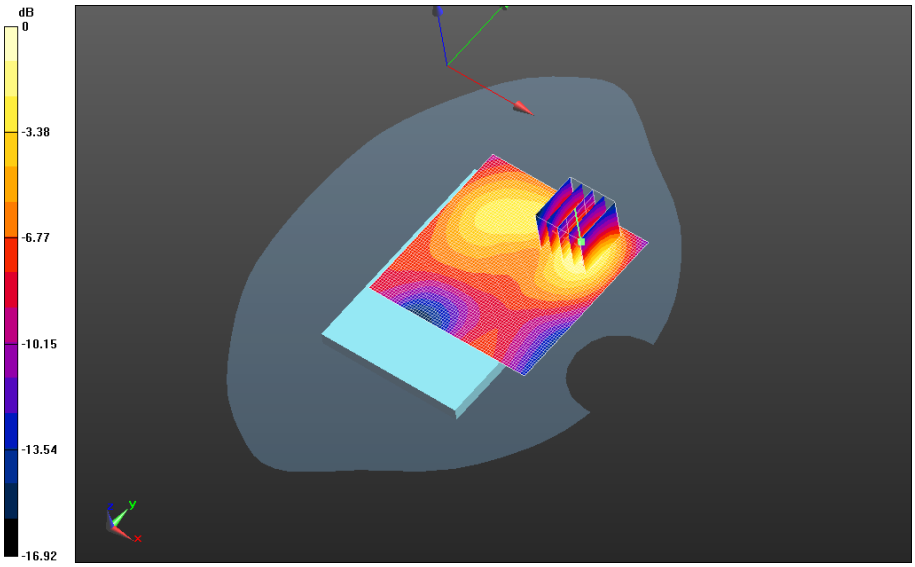
- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9262_amb_temp_23.6C_liq_temp_21.2C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.115 V/m; **Power Drift = -0.031 dB**

Fast SAR: SAR(1g) = 0.559 W/kg; SAR(10g) = 0.309 W/kg
Maximum value of SAR (interpolated) = 0.641 W/kg

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9262_amb_temp_23.6C_liq_temp_21.2C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.115 V/m; **Power Drift = -0.031 dB**

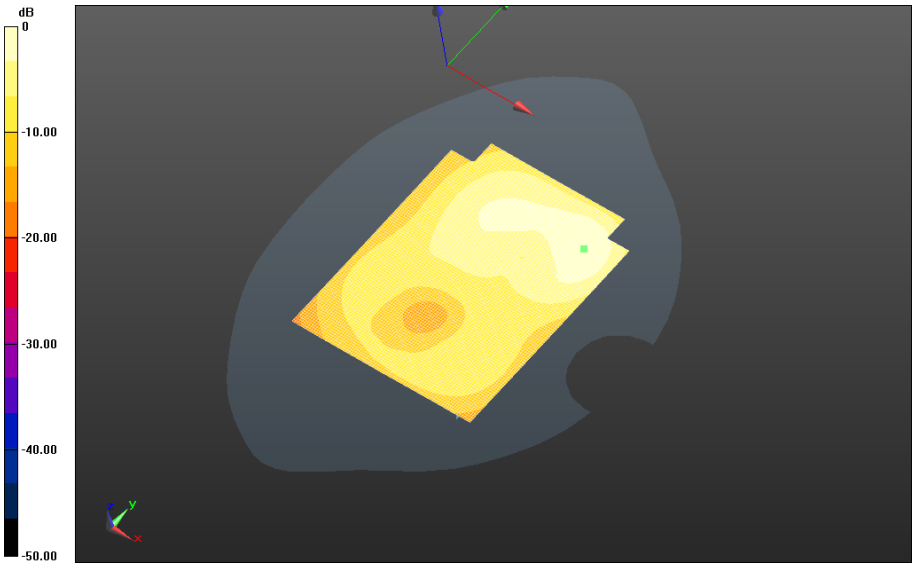
Averaged SAR: SAR(1g) = 0.566 W/kg; SAR(10g) = 0.331 W/kg
Maximum value of SAR (interpolated) = 0.849 W/kg



0 dB = 0.630 W/kg = -2.01 dBW/kg

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9400_amb_temp_23.7C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.801 V/m; **Power Drift = 0.261 dB**

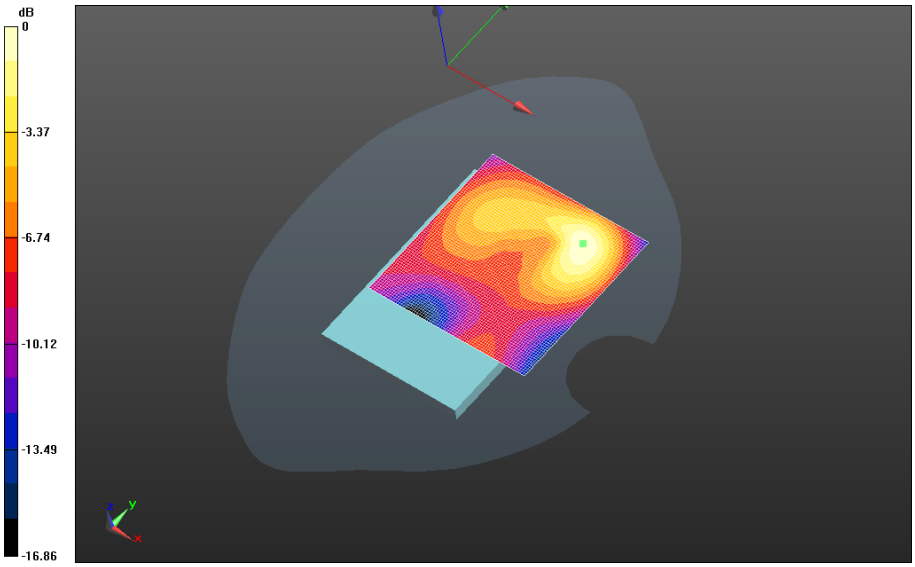
Fast SAR: SAR(1g) = 0.529 W/kg; SAR(10g) = 0.305 W/kg
Maximum value of SAR (interpolated) = 0.591 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9538_amb_temp_24.0C_liq_temp_21.3C/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.952 V/m; **Power Drift = -0.108 dB**

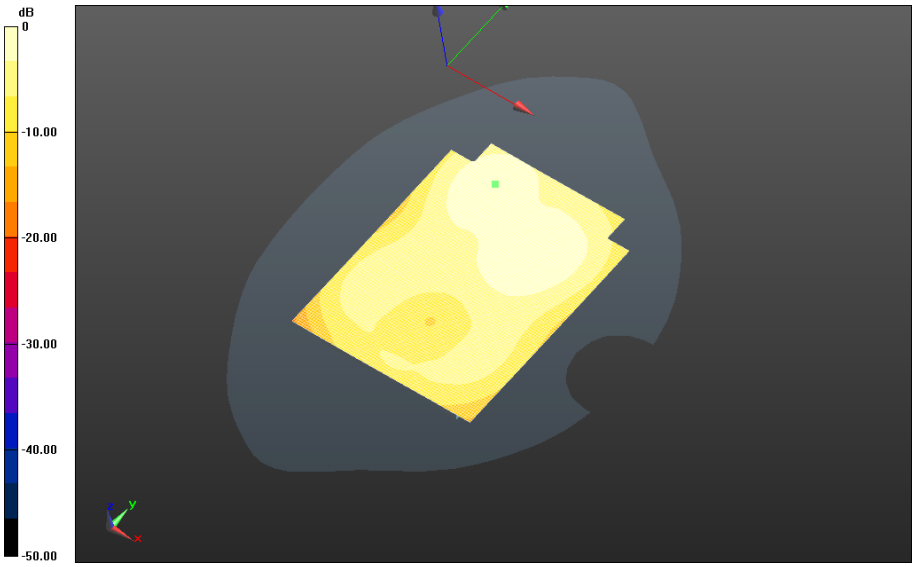
Fast SAR: SAR(1g) = 0.475 W/kg; SAR(10g) = 0.261 W/kg
Maximum value of SAR (interpolated) = 0.549 W/kg



0 dB = 0.549 W/kg = -2.60 dBW/kg

Body Worn MSL - UMTS II/15mm Device Front - UMTS II_chan9400_amb_temp_24.0C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.918 V/m; **Power Drift = 0.025 dB**

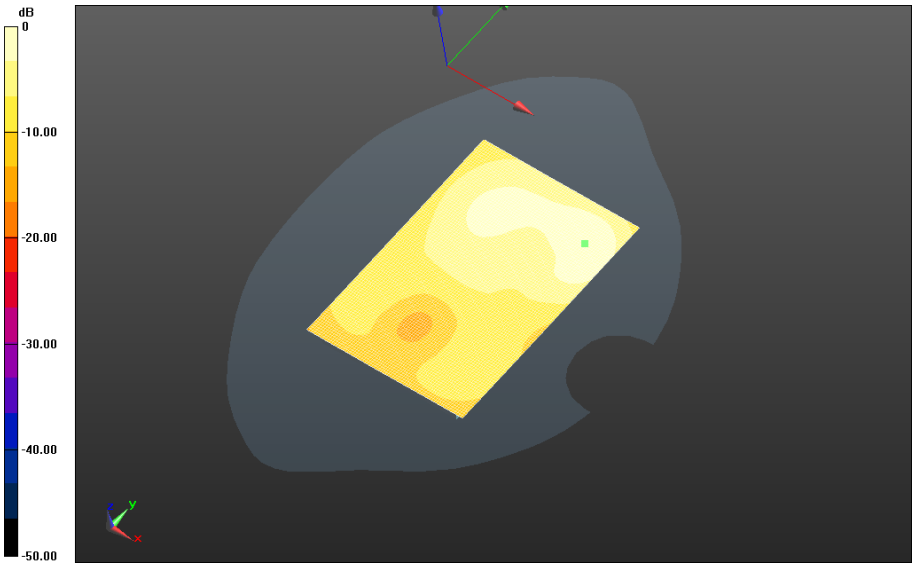
Fast SAR: SAR(1g) = 0.271 W/kg; SAR(10g) = 0.159 W/kg
Maximum value of SAR (interpolated) = 0.301 W/kg



0 dB = 0.301 W/kg = -5.21 dBW/kg

Body Worn MSL - UMTS II/15mm Device Back - UMTS II_chan9400_amb_temp_23.7C_liq_temp_21.2C 2/Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.835 V/m; **Power Drift = -0.013 dB**

Fast SAR: SAR(1g) = 0.316 W/kg; SAR(10g) = 0.181 W/kg
Maximum value of SAR (interpolated) = 0.351 W/kg



0 dB = 0.351 W/kg = -4.55 dBW/kg