APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

LTE Band 17

Date: 7/8/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side HSL - LTE Band 17

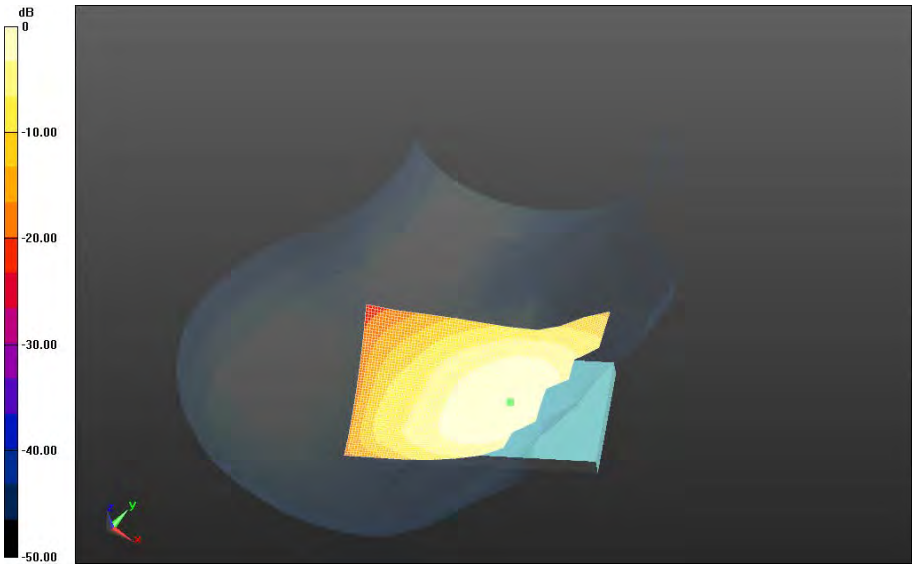
Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 711 MHz
Medium Parameters used: f=711 MHz; σ = 0.872 S/m; ε_r = 42.939; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.36,6.36,6.36); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23800_10MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.040 V/m; **Power Drift = 0.176 dB**

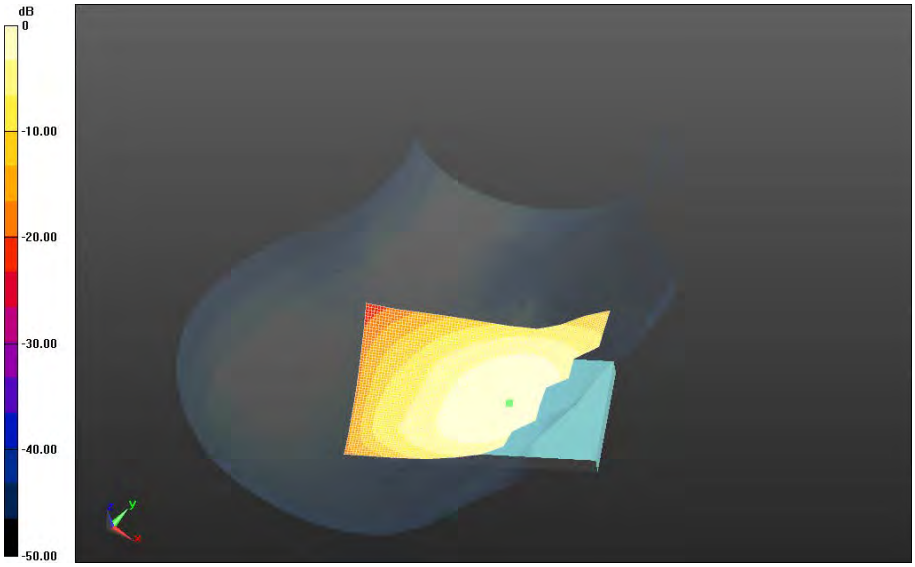
Fast SAR: SAR(1g) = 0.264 W/kg; SAR(10g) = 0.182 W/kg
Maximum value of SAR (interpolated) = 0.292 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Right-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23780_10MHz_BW_RB25_Offset_High_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.571 V/m; **Power Drift = 0.077 dB**

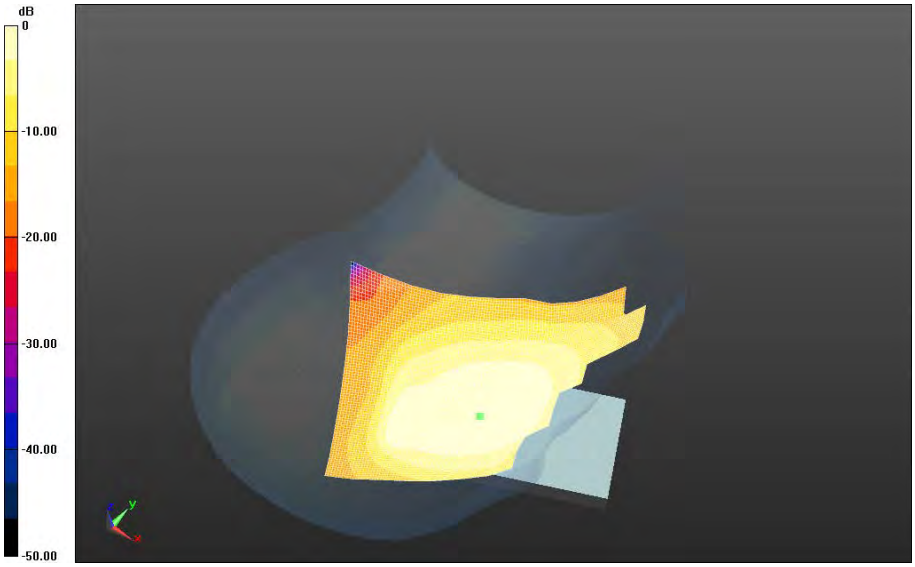
Fast SAR: SAR(1g) = 0.209 W/kg; SAR(10g) = 0.145 W/kg
Maximum value of SAR (interpolated) = 0.231 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Right-Hand-Side HSL - LTE Band 17/Tilt Position -LTE Band 17_chan23800_10MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.127 V/m; **Power Drift = -0.145 dB**

Fast SAR: SAR(1g) = 0.162 W/kg; SAR(10g) = 0.114 W/kg
Maximum value of SAR (interpolated) = 0.179 W/kg



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

Date: 7/8/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - LTE Band 17

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 709 MHz
Medium Parameters used: f=709 MHz; σ = 0.870 S/m; ε_r = 42.959; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

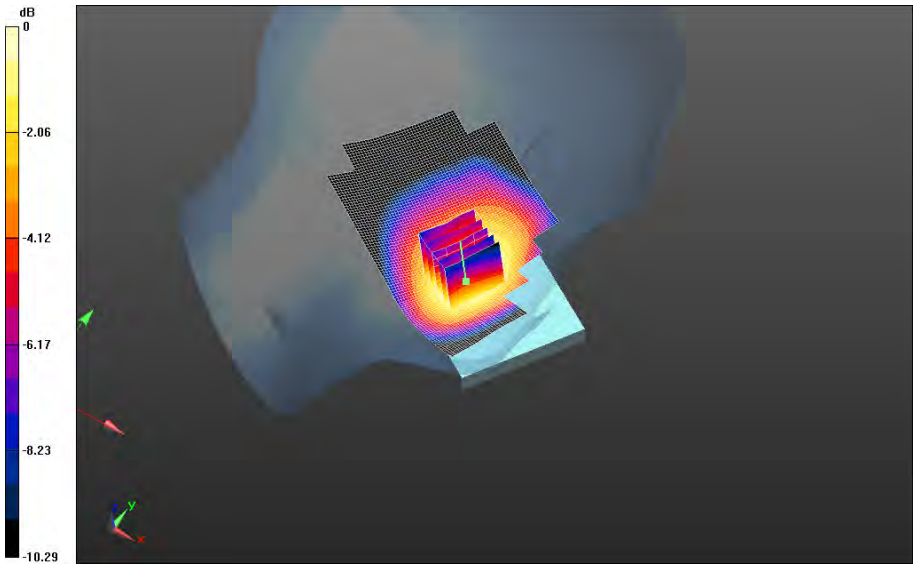
- Probe: ES3DV3 - SN3225; ConvF: (6.36,6.36,6.36); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.4C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.564 V/m; **Power Drift = -0.022 dB**

Fast SAR: SAR(1g) = 0.371 W/kg; SAR(10g) = 0.253 W/kg
Maximum value of SAR (interpolated) = 0.414 W/kg

Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.4C_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 = 7.564 V/m; **Power Drift = -0.022 dB**

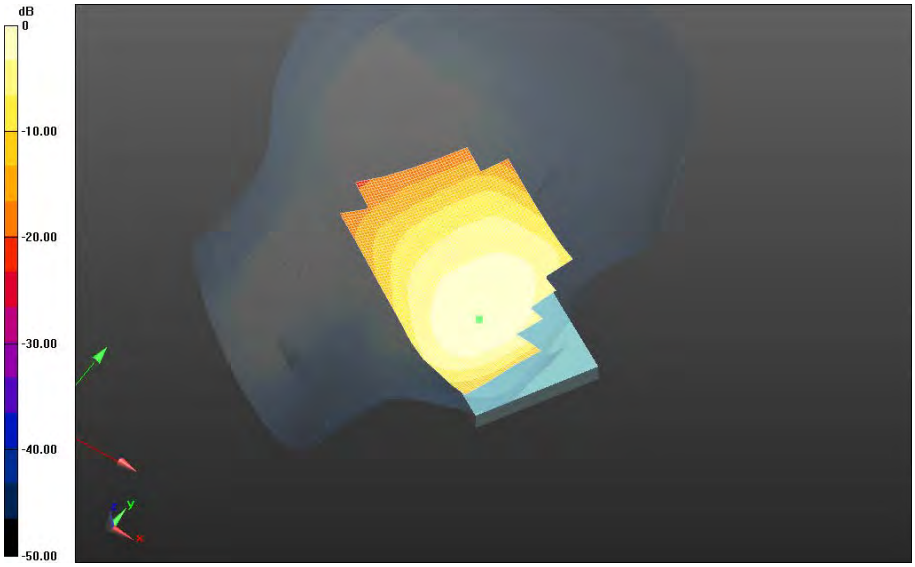
Averaged SAR: SAR(1g) = 0.382 W/kg; SAR(10g) = 0.280 W/kg
Maximum value of SAR (interpolated) = 0.481 W/kg



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

Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23790_10MHz_BW_RB1_Offset_Mid_amb_temp_23.1C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.510 V/m; **Power Drift = 0.213 dB**

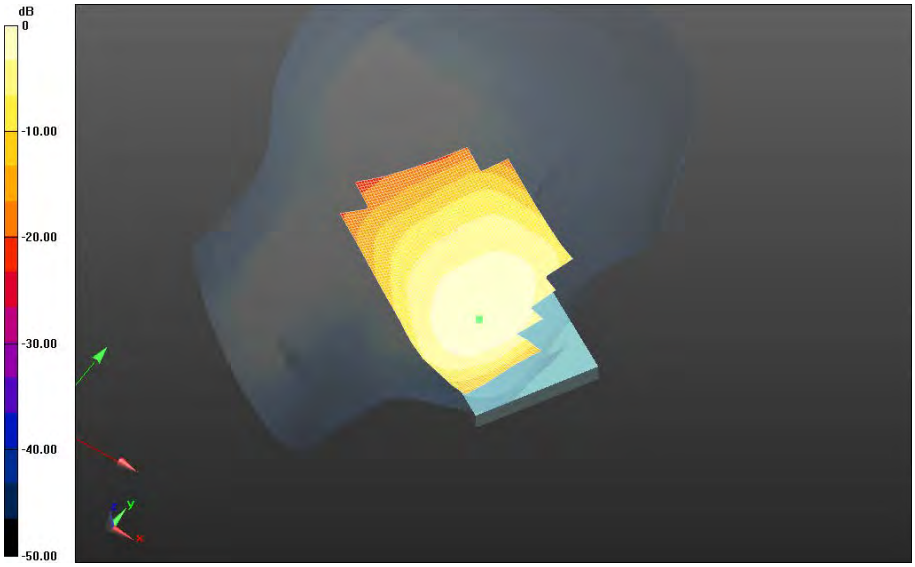
Fast SAR: SAR(1g) = 0.369 W/kg; SAR(10g) = 0.252 W/kg
Maximum value of SAR (interpolated) = 0.413 W/kg



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

Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23800_10MHz_BW_RB1_Offset_Low_amb_temp_23.1C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.495 V/m; **Power Drift = 0.056 dB**

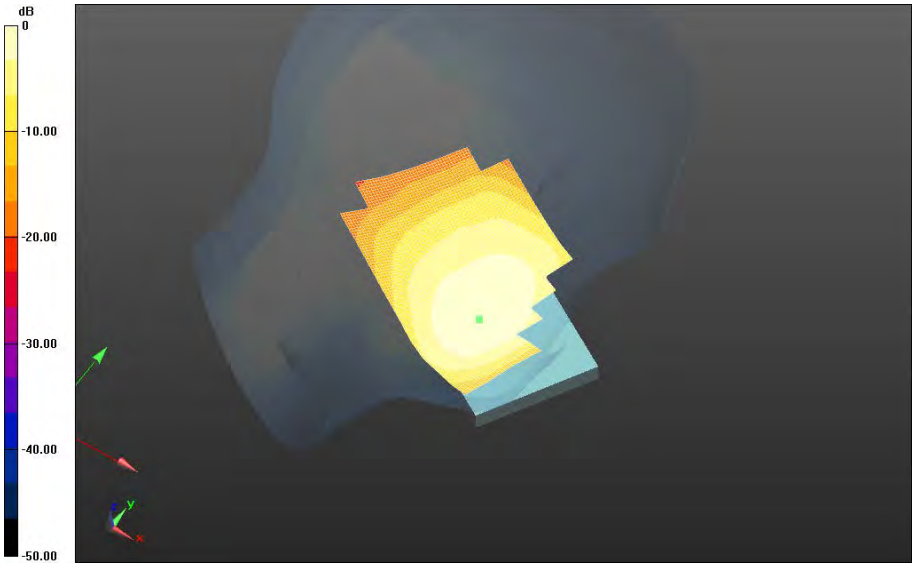
Fast SAR: SAR(1g) = 0.364 W/kg; SAR(10g) = 0.249 W/kg
Maximum value of SAR (interpolated) = 0.406 W/kg



0 dB = 0.413 W/kg = -3.84 dBW/kg

Left-Hand-Side HSL - LTE Band 17/Touch Position -LTE Band 17_chan23780_10MHz_BW_RB25_Offset_High_amb_temp_23.1C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.477 V/m; **Power Drift = 0.181 dB**

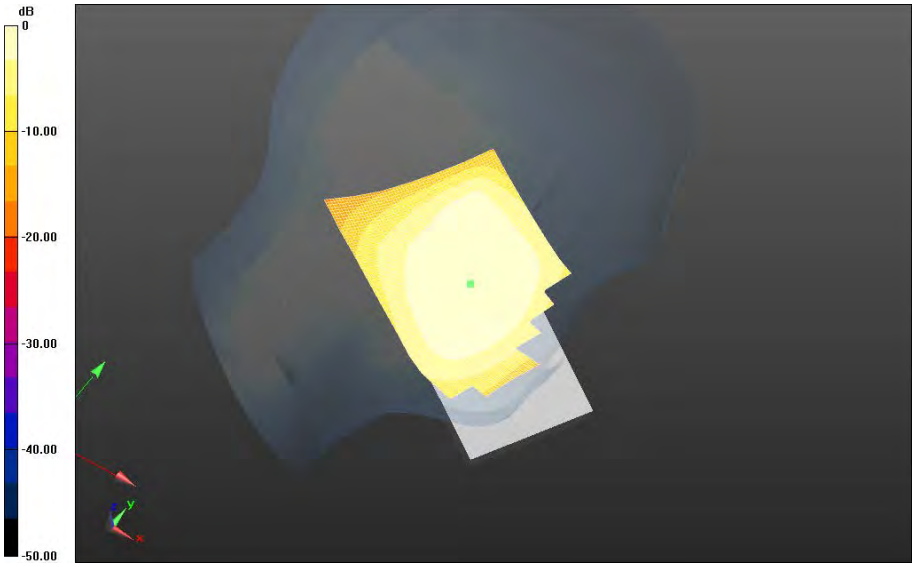
Fast SAR: SAR(1g) = 0.286 W/kg; SAR(10g) = 0.195 W/kg
Maximum value of SAR (interpolated) = 0.319 W/kg



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

Left-Hand-Side HSL - LTE Band 17/Tilt Position -LTE Band 17_chan23800_10MHz_BW_RB1_Offset_Low_amb_temp_23.1C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.854 V/m; **Power Drift = 0.259 dB**

Fast SAR: SAR(1g) = 0.180 W/kg; SAR(10g) = 0.126 W/kg
Maximum value of SAR (interpolated) = 0.200 W/kg



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

LTE Band 5

Date: 7/3/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side HSL - LTE Band 5

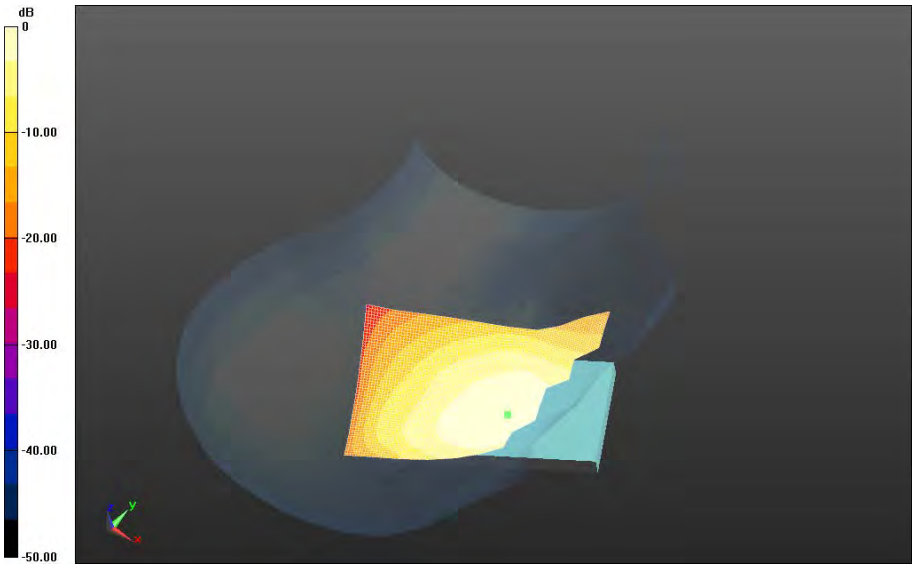
Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; σ = 0.899 S/m; ε_r = 40.972; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20450_10MHz_BW_RB1_Offset_Low_amb_temp_24.1C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.431 V/m; **Power Drift = -0.017 dB**

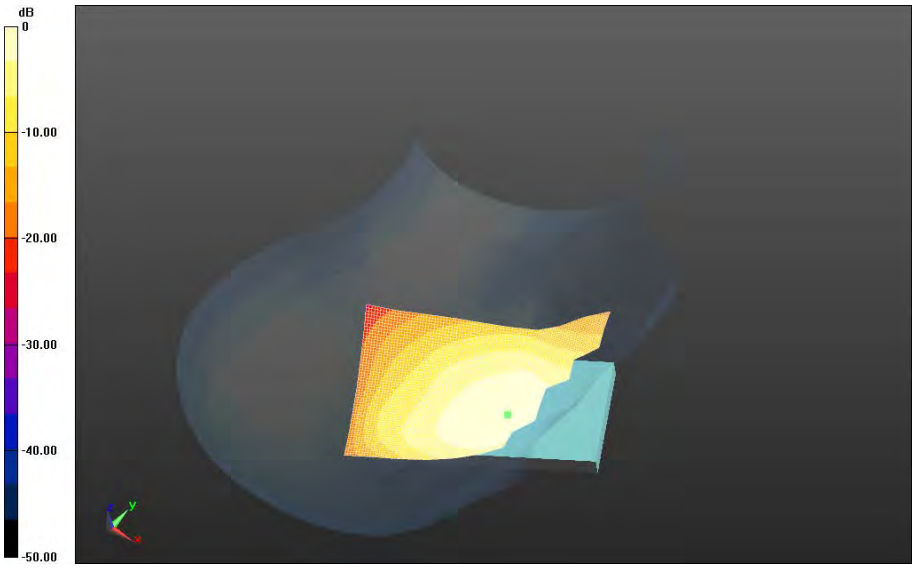
Fast SAR: SAR(1g) = 0.266 W/kg; SAR(10g) = 0.181 W/kg
Maximum value of SAR (interpolated) = 0.304 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Right-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20450_10MHz_BW_RB25_Offset_Low_amb_temp_24.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.712 V/m; **Power Drift = 0.109 dB**

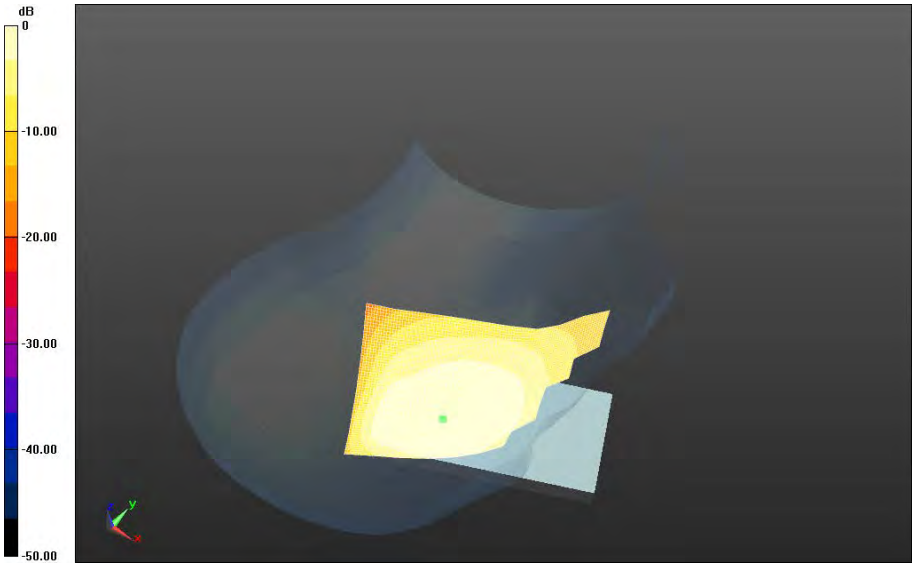
Fast SAR: SAR(1g) = 0.213 W/kg; SAR(10g) = 0.145 W/kg
Maximum value of SAR (interpolated) = 0.243 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Right-Hand-Side HSL - LTE Band 5/Tilt Position -LTE Band 5_chan20450_10MHz_BW_RB1_Offset_Low_amb_temp_24.2C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.098 V/m; **Power Drift = 0.233 dB**

Fast SAR: SAR(1g) = 0.164 W/kg; SAR(10g) = 0.114 W/kg
Maximum value of SAR (interpolated) = 0.187 W/kg



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

Date: 7/3/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - LTE Band 5

Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; σ = 0.899 S/m; ε_r = 40.972; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

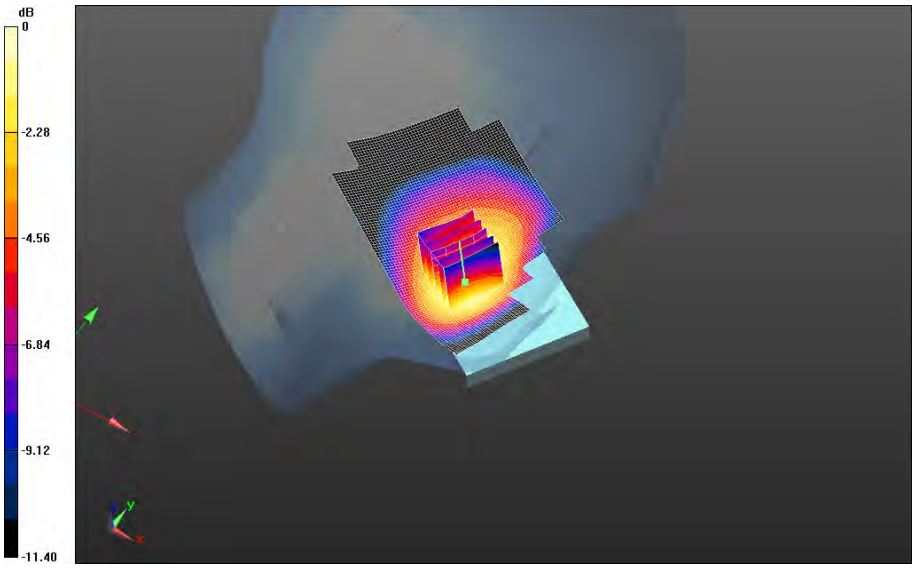
- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20450_10MHz_BW_RB1_Offset_Low_amb_temp_23.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.872 V/m; **Power Drift = 0.324 dB**

Fast SAR: SAR(1g) = 0.415 W/kg; SAR(10g) = 0.275 W/kg
Maximum value of SAR (interpolated) = 0.480 W/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20450_10MHz_BW_RB1_Offset_Low_amb_temp_23.9C_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 = 6.872 V/m; **Power Drift = 0.324 dB**

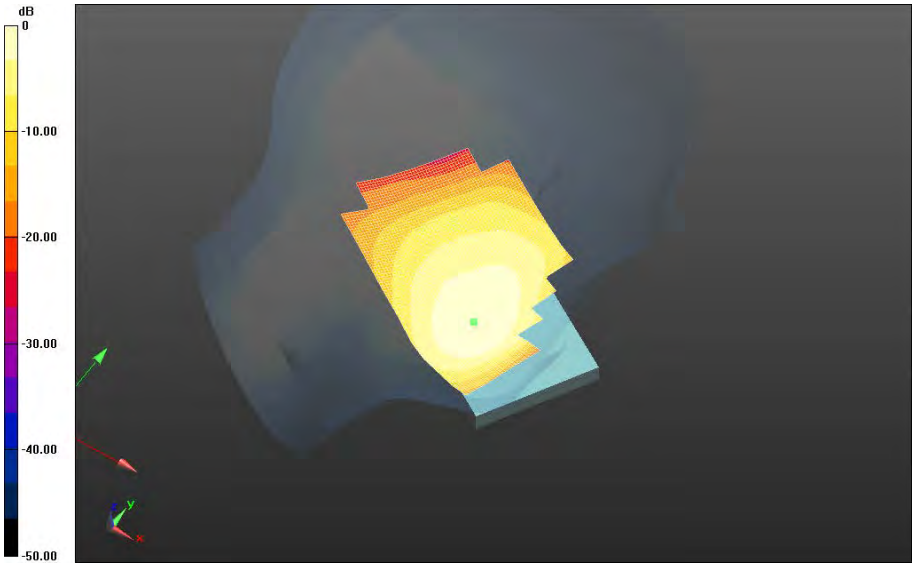
Averaged SAR: SAR(1g) = 0.421 W/kg; SAR(10g) = 0.303 W/kg
Maximum value of SAR (interpolated) = 0.557 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20525_10MHz_BW_RB1_Offset_Mid_amb_temp_23.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.225 V/m; **Power Drift = 0.248 dB**

Fast SAR: SAR(1g) = 0.452 W/kg; SAR(10g) = 0.299 W/kg
Maximum value of SAR (interpolated) = 0.524 W/kg



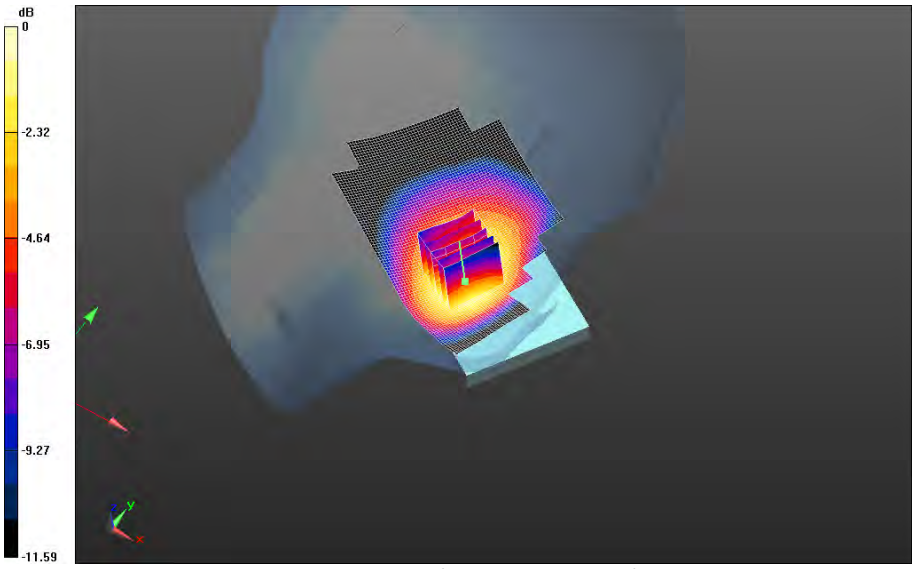
0 dB = 0.470 W/kg = -3.28 dBW/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20600_10MHz_BW_RB1_Offset_Low_amb_temp_24.0C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.171 V/m; **Power Drift = 0.158 dB**

Fast SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.303 W/kg
Maximum value of SAR (interpolated) = 0.526 W/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20600_10MHz_BW_RB1_Offset_Low_amb_temp_24.0C_liq_temp_21.8C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.171 V/m; **Power Drift = 0.158 dB**

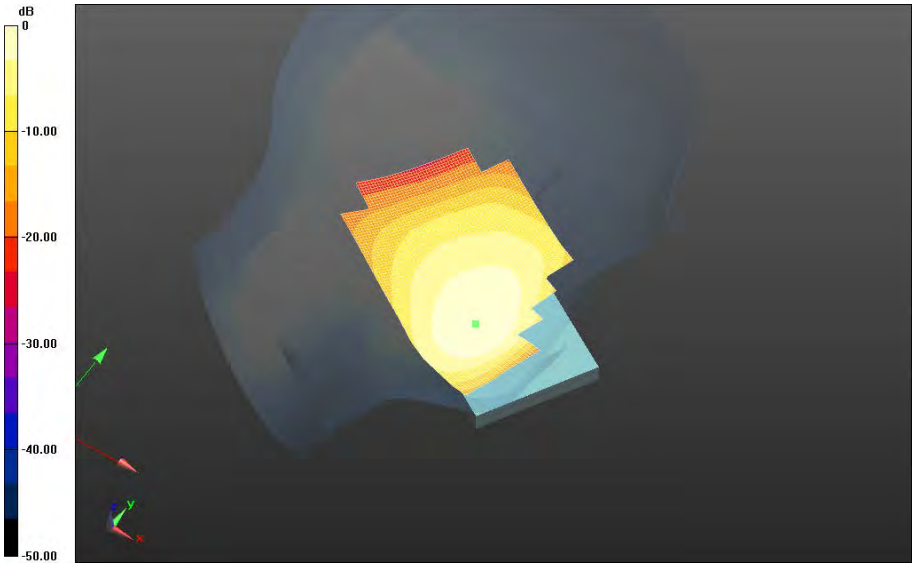
Averaged SAR: SAR(1g) = 0.471 W/kg; SAR(10g) = 0.338 W/kg
Maximum value of SAR (interpolated) = 0.640 W/kg



0 dB = 0.524 W/kg = -2.81 dBW/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE Band 5_chan20450_10MHz_BW_RB25_Offset_Low_amb_temp_24.1C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.016 V/m; **Power Drift = 0.033 dB**

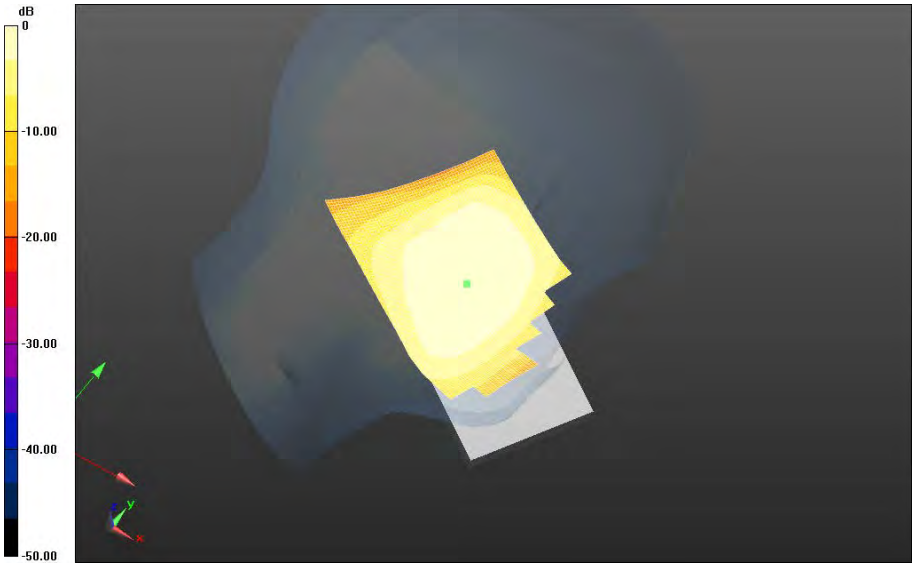
Fast SAR: SAR(1g) = 0.321 W/kg; SAR(10g) = 0.213 W/kg
Maximum value of SAR (interpolated) = 0.371 W/kg



0 dB = 0.526 W/kg = -2.79 dBW/kg

Left-Hand-Side HSL - LTE Band 5/Tilt Position -LTE Band 5_chan20450_10MHz_BW_RB1_Offset_Low_amb_temp_24.1C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.403 V/m; **Power Drift = -0.013 dB**

Fast SAR: SAR(1g) = 0.173 W/kg; SAR(10g) = 0.119 W/kg
Maximum value of SAR (interpolated) = 0.198 W/kg



0 dB = 0.371 W/kg = -4.31 dBW/kg

DTM 850

Date: 7/4/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone R139, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side HSL - DTM 850

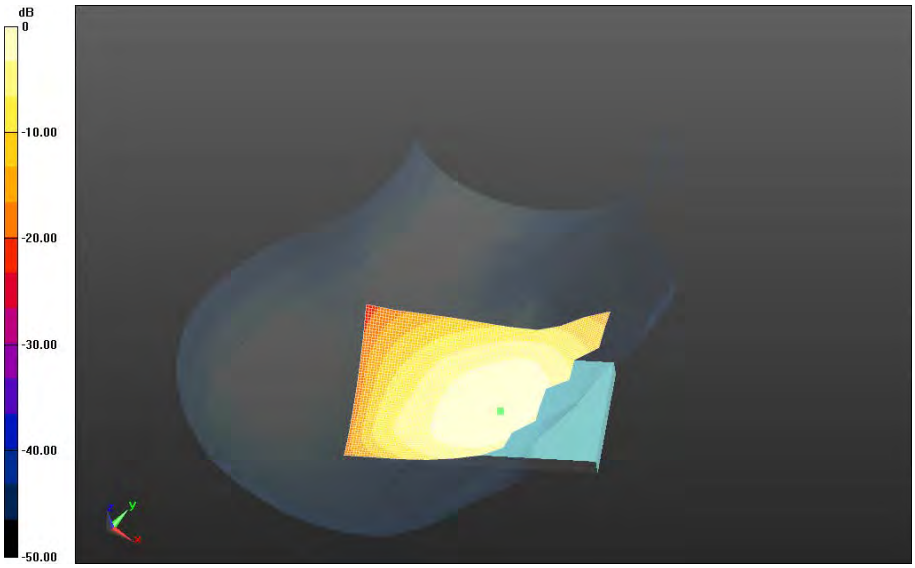
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; σ = 0.907 S/m; ε_r = 40.840; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan190_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.336 V/m; **Power Drift = 0.063 dB**

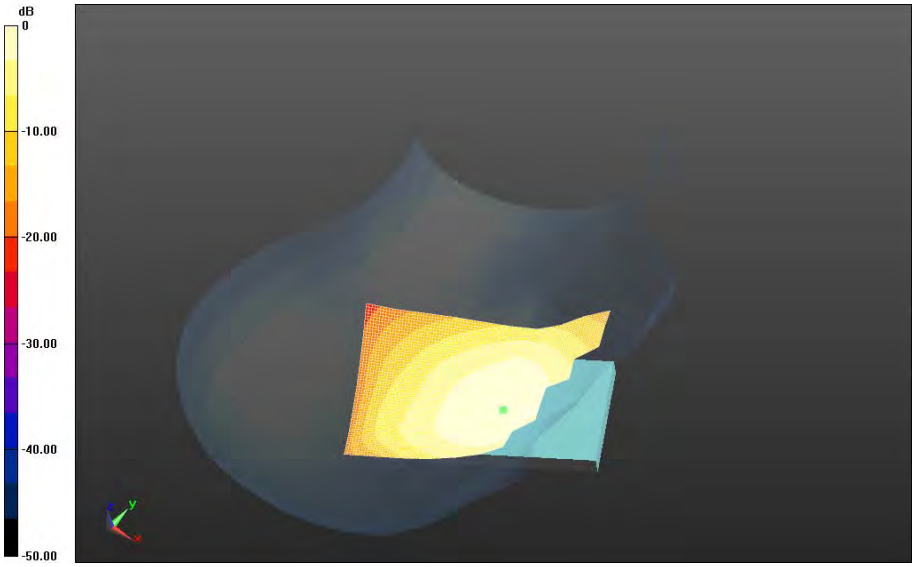
Fast SAR: SAR(1g) = 0.399 W/kg; SAR(10g) = 0.274 W/kg
Maximum value of SAR (interpolated) = 0.455 W/kg



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

Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slot_chan190_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.680 V/m; **Power Drift = -0.074 dB**

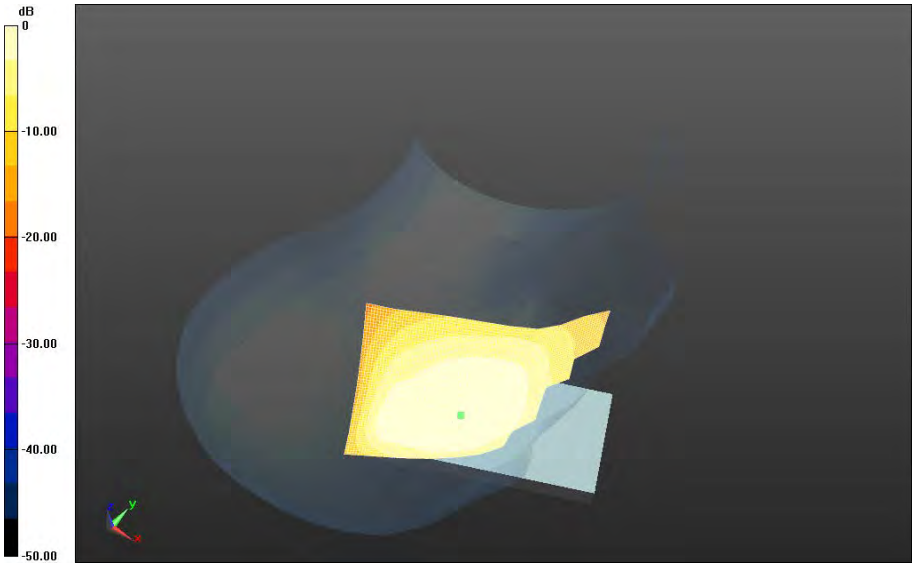
Fast SAR: SAR(1g) = 0.382 W/kg; SAR(10g) = 0.261 W/kg
Maximum value of SAR (interpolated) = 0.435 W/kg



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

Right-Hand-Side HSL - DTM 850/Tilt Position - GSM850_1-slot_chan190_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.143 V/m; **Power Drift = 0.059 dB**

Fast SAR: SAR(1g) = 0.331 W/kg; SAR(10g) = 0.230 W/kg
Maximum value of SAR (interpolated) = 0.374 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

Date: 7/4/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone R139, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - DTM 850

Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 824.2 MHz
Medium Parameters used: f=825 MHz; σ = 0.895 S/m; ε_r = 41.076; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

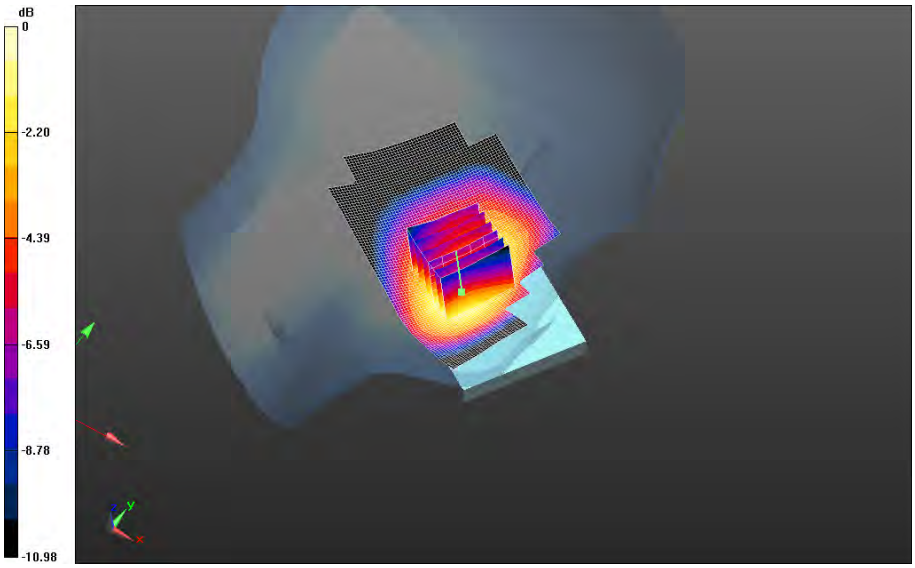
- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan128_amb_temp_22.9C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.992 V/m; **Power Drift = -0.043 dB**

Fast SAR: SAR(1g) = 0.479 W/kg; SAR(10g) = 0.325 W/kg
Maximum value of SAR (interpolated) = 0.547 W/kg

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan128_amb_temp_22.9C_liq_temp_21.7C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.992 V/m; **Power Drift = -0.043 dB**

Averaged SAR: SAR(1g) = 0.503 W/kg; SAR(10g) = 0.370 W/kg
Maximum value of SAR (interpolated) = 0.663 W/kg



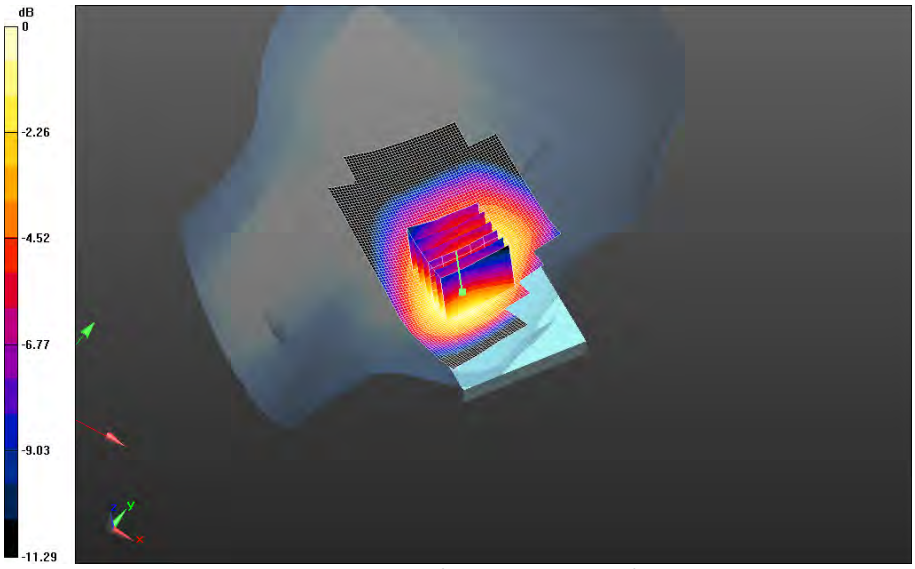
0 dB = 0.561 W/kg = -2.51 dBW/kg

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan190_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.306 V/m; **Power Drift = -0.156 dB**

Fast SAR: SAR(1g) = 0.525 W/kg; SAR(10g) = 0.354 W/kg
Maximum value of SAR (interpolated) = 0.602 W/kg

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan190_amb_temp_22.9C_liq_temp_21.8C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.306 V/m; **Power Drift = -0.156 dB**

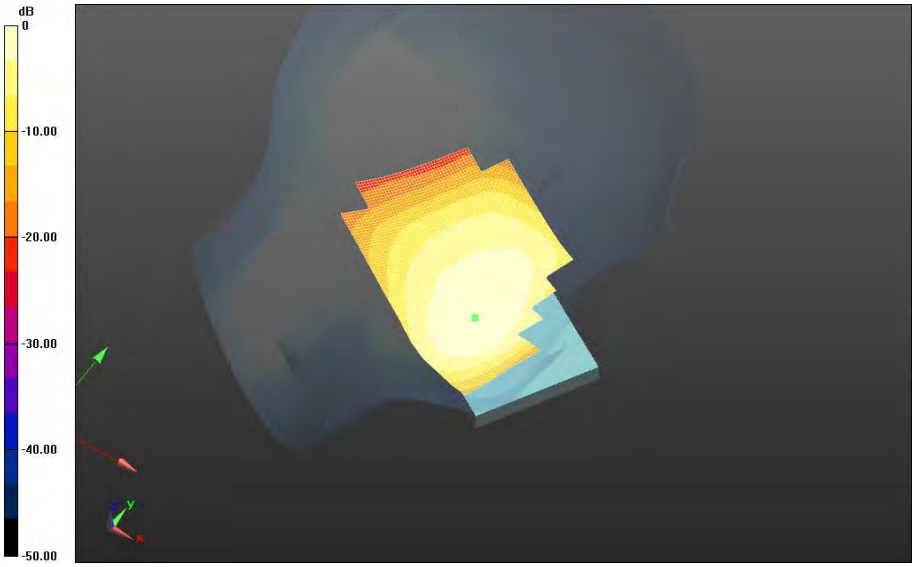
Averaged SAR: SAR(1g) = 0.522 W/kg; SAR(10g) = 0.381 W/kg
Maximum value of SAR (interpolated) = 0.689 W/kg



0 dB = 0.561 W/kg = -2.51 dBW/kg

Left-Hand-Side HSL - DTM 850/Touch Position - GSM850_1-slot_chan251_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.865 V/m; **Power Drift = -0.048 dB**

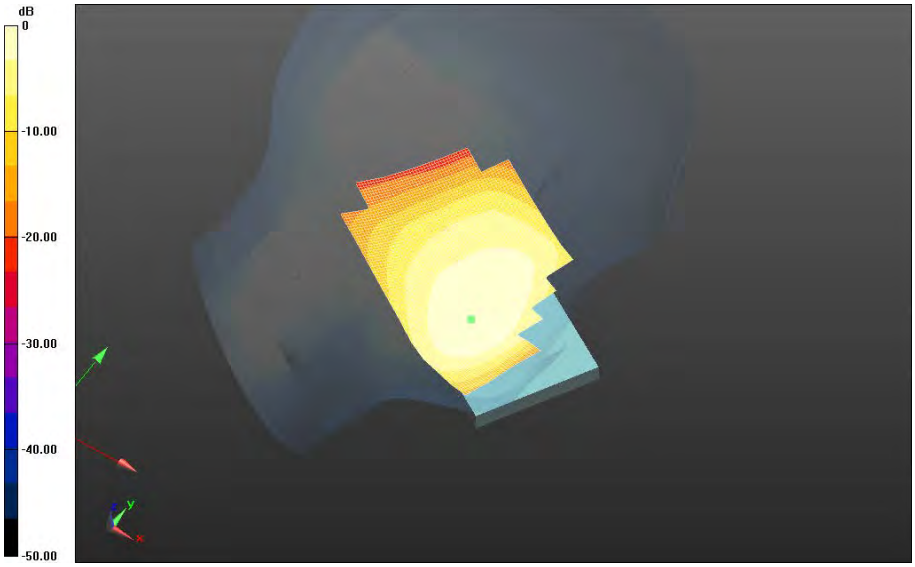
Fast SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.333 W/kg
Maximum value of SAR (interpolated) = 0.566 W/kg



0 dB = 0.585 W/kg = -2.33 dBW/kg

Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_2-slot_chan190_amb_temp_22.9C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.381 V/m; **Power Drift = -0.014 dB**

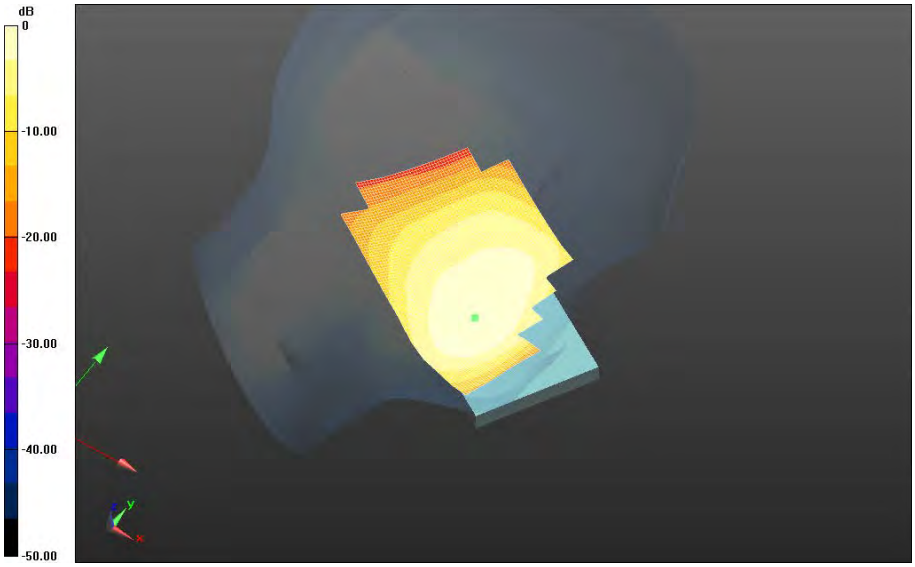
Fast SAR: SAR(1g) = 0.422 W/kg; SAR(10g) = 0.286 W/kg
Maximum value of SAR (interpolated) = 0.484 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slot_chan190_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.873 V/m; **Power Drift = -0.033 dB**

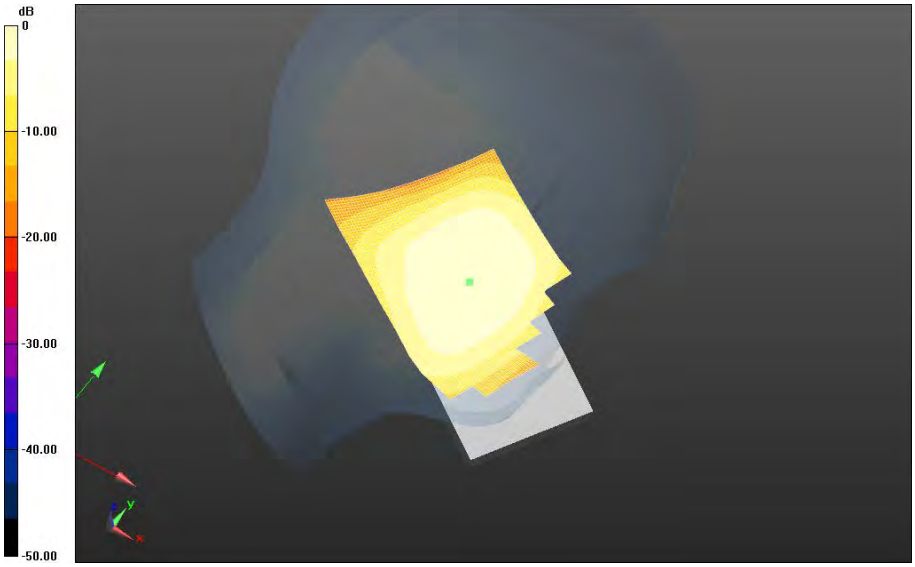
Fast SAR: SAR(1g) = 0.485 W/kg; SAR(10g) = 0.328 W/kg
Maximum value of SAR (interpolated) = 0.556 W/kg



0 dB = 0.484 W/kg = -3.15 dBW/kg

Left-Hand-Side HSL - DTM 850/Tilt Position -GSM850_1-slot_chan190_amb_temp_22.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.529 V/m; **Power Drift = 0.075 dB**

Fast SAR: SAR(1g) = 0.292 W/kg; SAR(10g) = 0.202 W/kg
Maximum value of SAR (interpolated) = 0.335 W/kg



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

UMTS Band V

Date: 7/3/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side HSL - UMTS band V

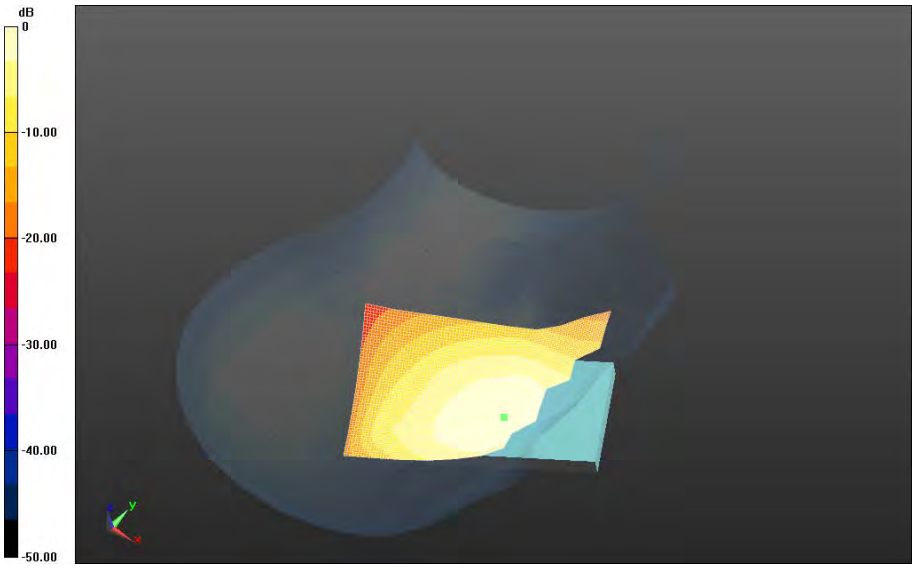
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;
Frequency: 836.4 MHz
Medium Parameters used: f=836.4 MHz; σ = 0.907 S/m; ε_r = 40.845; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - UMTS band V/Touch Position - UMTS band V_chan4182_amb_temp_23.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.255 V/m; **Power Drift = 0.050 dB**

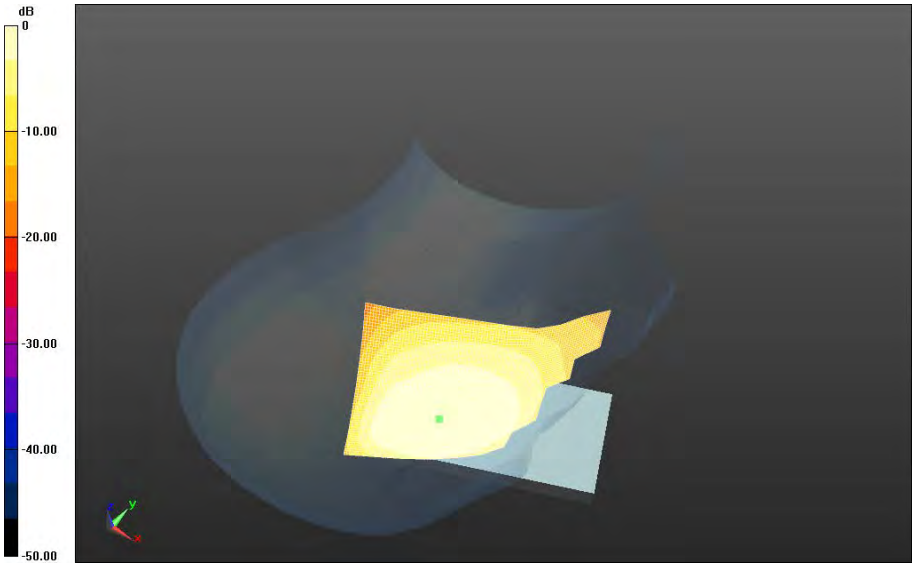
Fast SAR: SAR(1g) = 0.394 W/kg; SAR(10g) = 0.269 W/kg
Maximum value of SAR (interpolated) = 0.448 W/kg



0 dB = 0.448 W/kg = -3.49 dBW/kg

Right-Hand-Side HSL - UMTS band V/Tilt Position - UMTS band V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.047 V/m; **Power Drift = 0.063 dB**

Fast SAR: SAR(1g) = 0.281 W/kg; SAR(10g) = 0.193 W/kg
Maximum value of SAR (interpolated) = 0.324 W/kg



0 dB = 0.448 W/kg = -3.49 dBW/kg

Date: 7/3/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

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

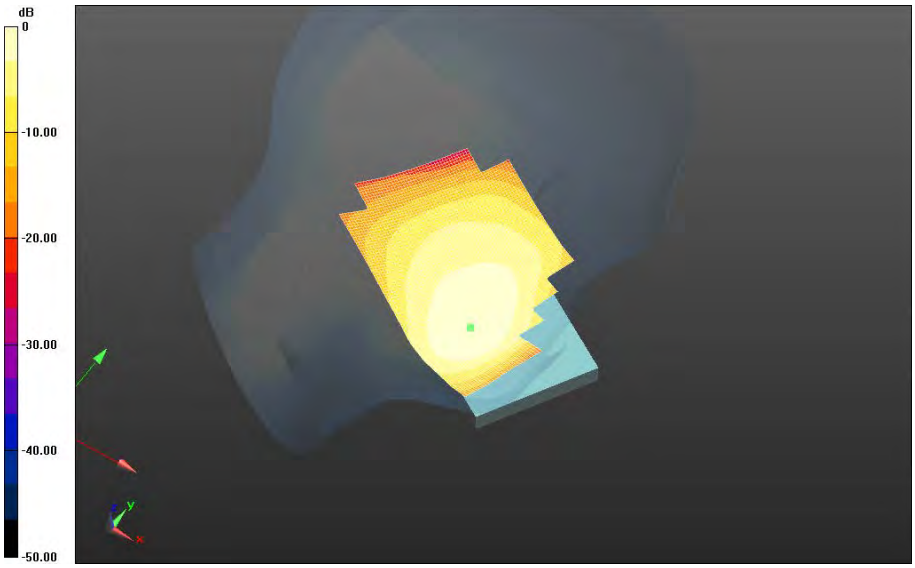
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V; Frequency: 826.4 MHz
Medium Parameters used: f=826.4 MHz; σ = 0.897 S/m; ε_r = 41.039; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.05,6.05,6.05); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band V_chan4132_amb_temp_23.6C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.212 V/m; **Power Drift = 0.037 dB**

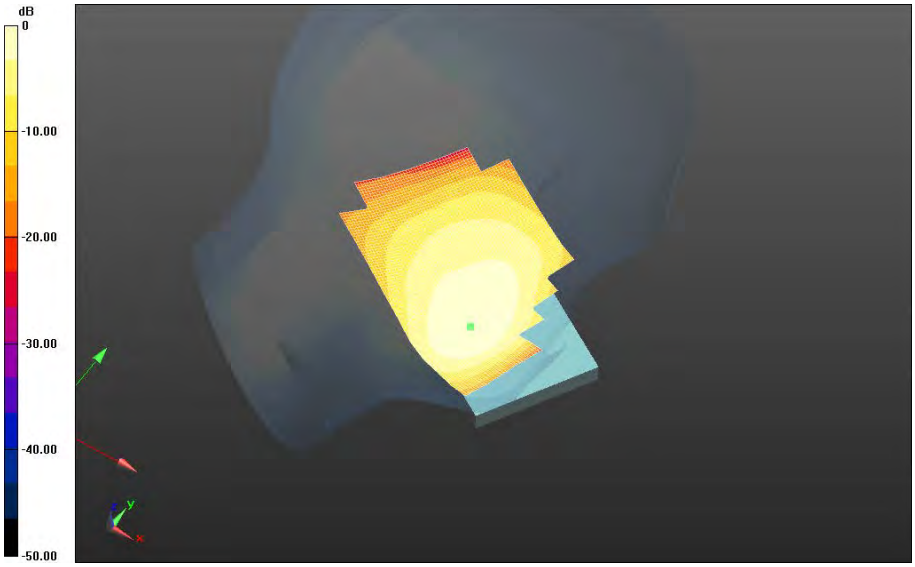
Fast SAR: SAR(1g) = 0.554 W/kg; SAR(10g) = 0.369 W/kg
Maximum value of SAR (interpolated) = 0.639 W/kg



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

Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.258 V/m; **Power Drift = 0.00905 dB**

Fast SAR: SAR(1g) = 0.574 W/kg; SAR(10g) = 0.383 W/kg
Maximum value of SAR (interpolated) = 0.661 W/kg



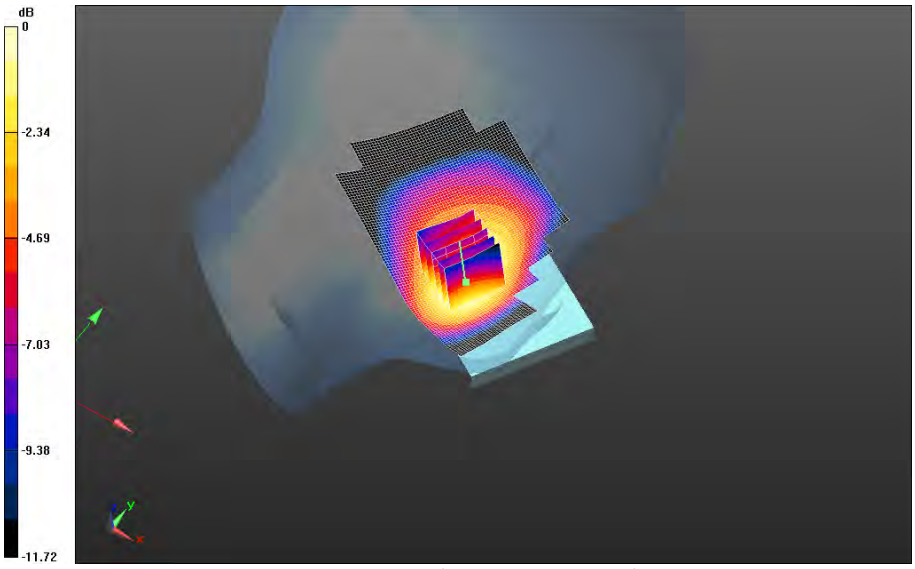
0 dB = 0.639 W/kg = -1.94 dBW/kg

Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band V_chan4233_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.881 V/m; **Power Drift = 0.062 dB**

Fast SAR: SAR(1g) = 0.643 W/kg; SAR(10g) = 0.428 W/kg
Maximum value of SAR (interpolated) = 0.740 W/kg

Left-Hand-Side HSL - UMTS band V/Touch Position -UMTS band V_chan4233_amb_temp_23.9C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.881 V/m; **Power Drift = 0.062 dB**

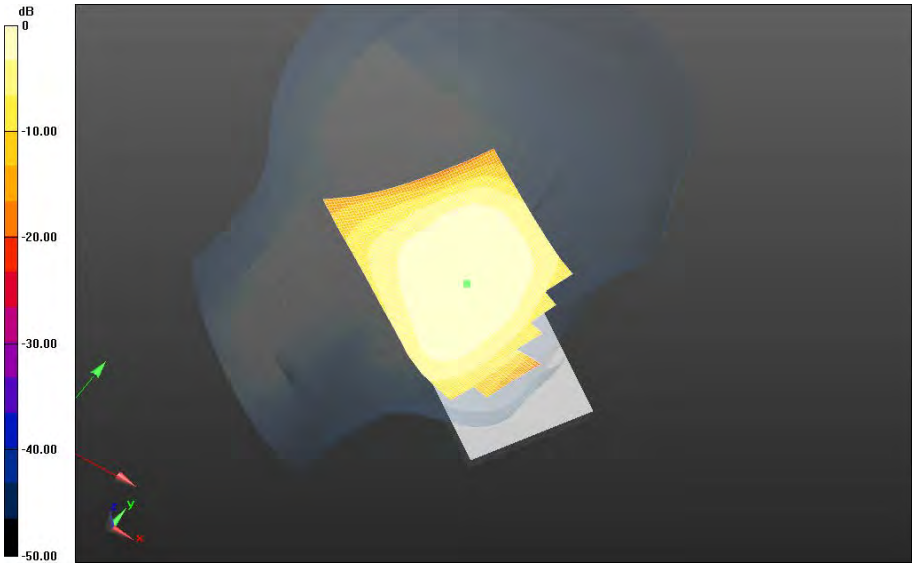
Averaged SAR: SAR(1g) = 0.661 W/kg; SAR(10g) = 0.469 W/kg
Maximum value of SAR (interpolated) = 0.882 W/kg



0 dB = 0.661 W/kg = -1.80 dBW/kg

Left-Hand-Side HSL - UMTS band V/Tilt Position -UMTS band V_chan4182_amb_temp_23.7C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.231 V/m; **Power Drift = -0.00223 dB**

Fast SAR: SAR(1g) = 0.258 W/kg; SAR(10g) = 0.179 W/kg
Maximum value of SAR (interpolated) = 0.294 W/kg



0 dB = 0.740 W/kg = -1.31 dBW/kg

LTE Band 4

Date: 6/24/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

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

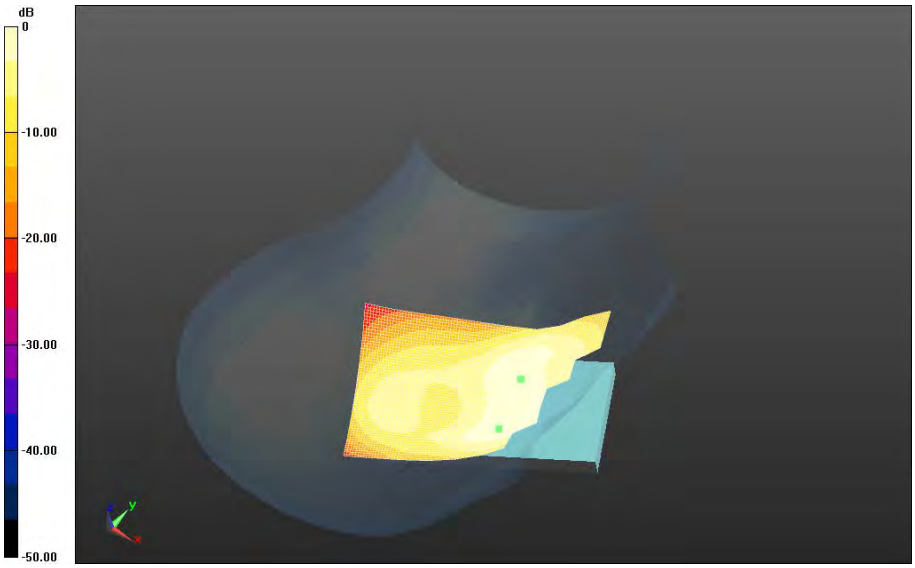
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.371 S/m; ε_r = 39.233; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.4C_liq_temp_23.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.836 V/m; **Power Drift = -0.00439 dB**

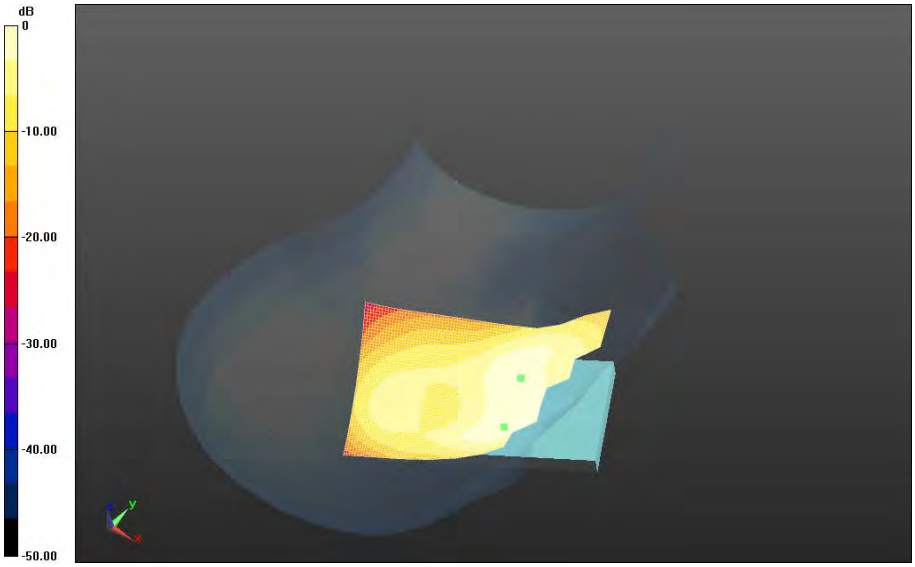
Fast SAR: SAR(1g) = 0.646 W/kg; SAR(10g) = 0.381 W/kg
Maximum value of SAR (interpolated) = 0.793 W/kg



0 dB = 0.793 W/kg = -1.01 dBW/kg

Right-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20175_20MHz_BW_RB50_Offset_High_amb_temp_23.4C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.555 V/m; **Power Drift = -0.00833 dB**

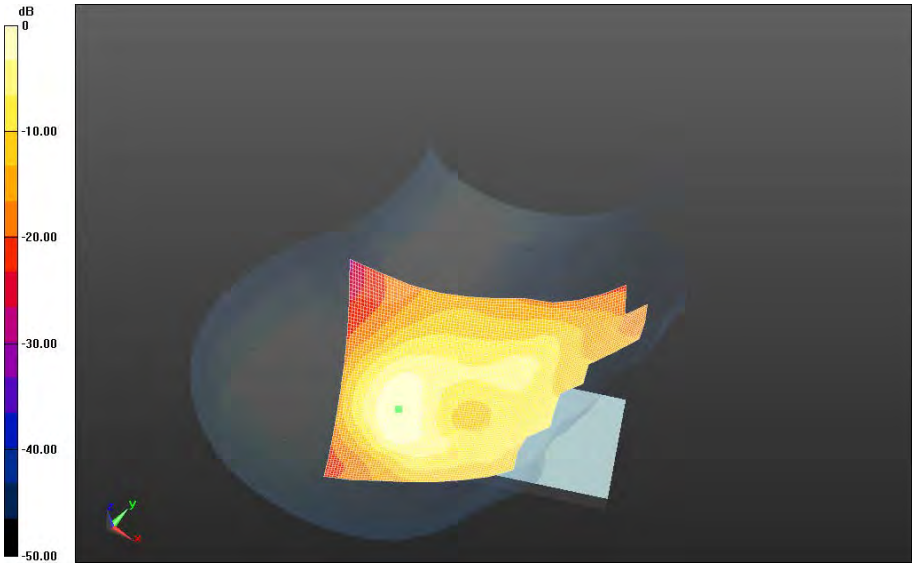
Fast SAR: SAR(1g) = 0.623 W/kg; SAR(10g) = 0.368 W/kg
Maximum value of SAR (interpolated) = 0.766 W/kg



0 dB = 0.793 W/kg = -1.01 dBW/kg

Right-Hand-Side HSL - LTE Band 4/Tilt Position -LTE band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.3C_liq_temp_22.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.298 V/m; **Power Drift = 0.086 dB**

Fast SAR: SAR(1g) = 0.532 W/kg; SAR(10g) = 0.289 W/kg
Maximum value of SAR (interpolated) = 0.676 W/kg



0 dB = 0.766 W/kg = -1.16 dBW/kg

Date: 6/24/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

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

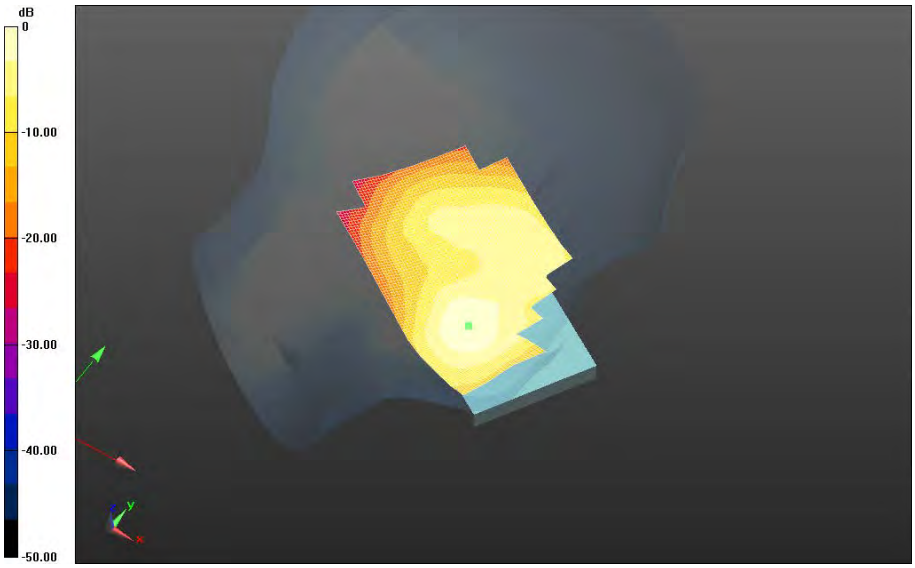
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.371 S/m; ε_r = 39.233; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_22.7C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.449 V/m; **Power Drift = 0.00977 dB**

Fast SAR: SAR(1g) = 0.835 W/kg; SAR(10g) = 0.466 W/kg
Maximum value of SAR (interpolated) = 1.05 W/kg



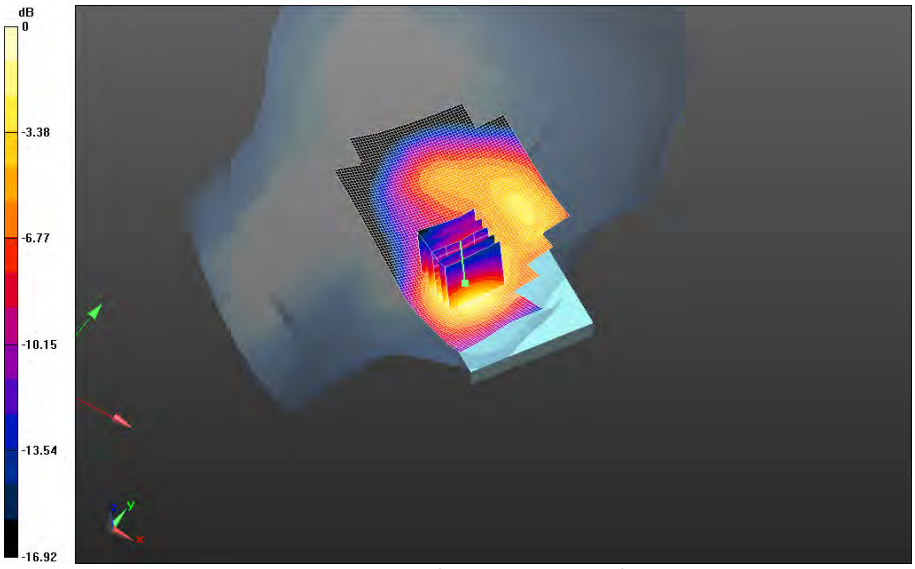
0 dB = 1.05 W/kg = 0.21 dBW/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_22.6C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.500 V/m; **Power Drift = -0.018 dB**

Fast SAR: SAR(1g) = 0.842 W/kg; SAR(10g) = 0.468 W/kg
Maximum value of SAR (interpolated) = 1.06 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20175_20MHz_BW_RB1_Offset_Mid_amb_temp_22.6C_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 = 13.500 V/m; **Power Drift = -0.018 dB**

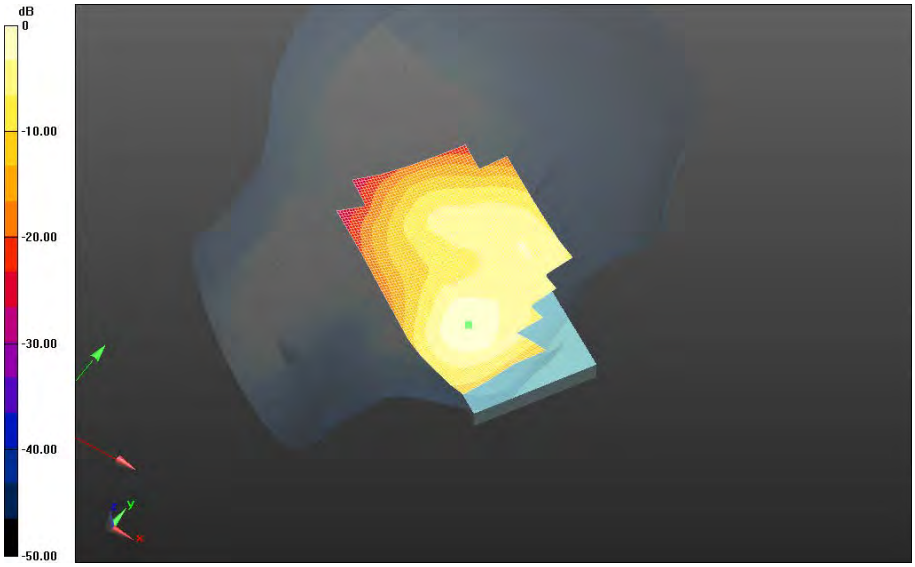
Averaged SAR: SAR(1g) = 0.823 W/kg; SAR(10g) = 0.480 W/kg
Maximum value of SAR (interpolated) = 1.28 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20300_20MHz_BW_RB1_Offset_Low_amb_temp_22.6C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.068 V/m; **Power Drift = -0.00195 dB**

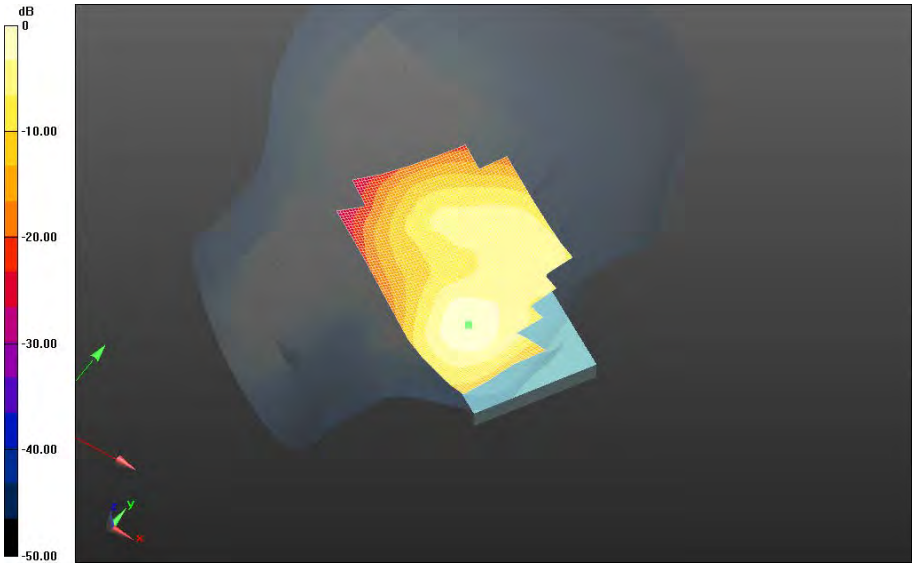
Fast SAR: SAR(1g) = 0.794 W/kg; SAR(10g) = 0.442 W/kg
Maximum value of SAR (interpolated) = 1.00 W/kg



0 dB = 0.965 W/kg = -0.15 dBW/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20175_20MHz_BW_RB50_Offset_High_amb_temp_22.7C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.640 V/m; **Power Drift = 0.080 dB**

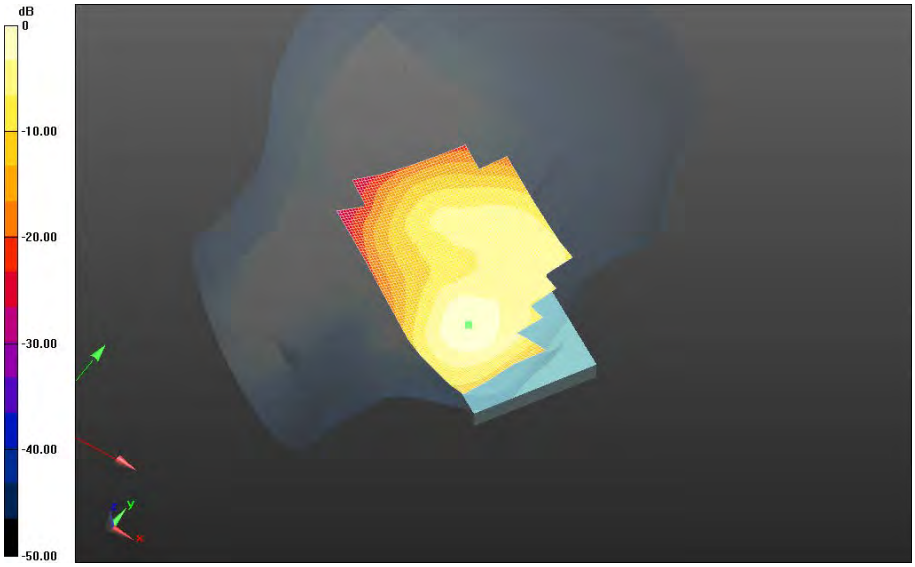
Fast SAR: SAR(1g) = 0.662 W/kg; SAR(10g) = 0.368 W/kg
Maximum value of SAR (interpolated) = 0.836 W/kg



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

Left-Hand-Side HSL - LTE Band 4/Touch Position -LTE Band 4_chan20175_20MHz_BW_RB100_Offset_Low_amb_temp_23.0C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.664 V/m; **Power Drift = 0.114 dB**

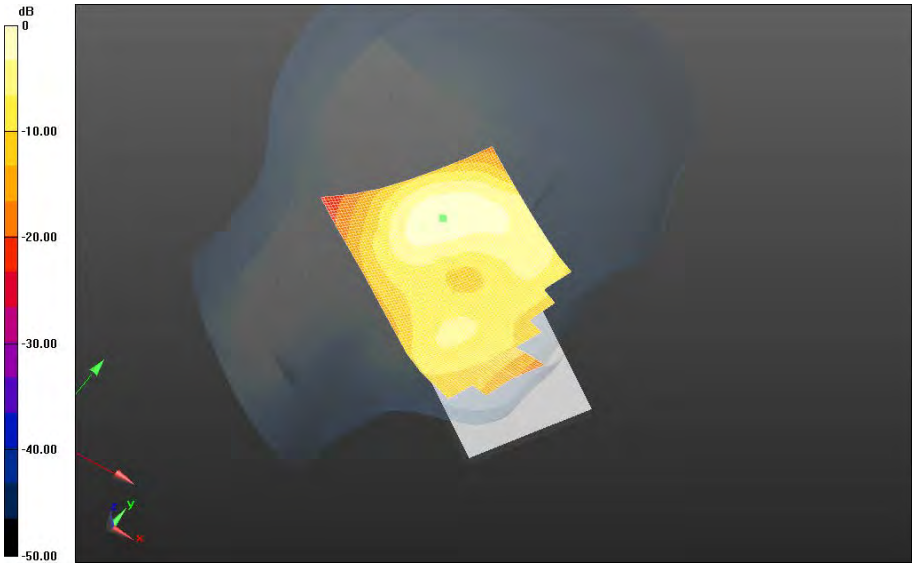
Fast SAR: SAR(1g) = 0.669 W/kg; SAR(10g) = 0.374 W/kg
Maximum value of SAR (interpolated) = 0.841 W/kg



0 dB = 0.836 W/kg = -0.78 dBW/kg

Left-Hand-Side HSL - LTE Band 4/Tilt Position -LTE Band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.4C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.972 V/m; **Power Drift = -0.022 dB**

Fast SAR: SAR(1g) = 0.481 W/kg; SAR(10g) = 0.270 W/kg
Maximum value of SAR (interpolated) = 0.612 W/kg



0 dB = 0.841 W/kg = -0.75 dBW/kg

Date: 7/29/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - LTE Band 4 (2)

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz
Medium Parameters used: f=1720 MHz; σ = 1.375 S/m; ε_r = 38.712; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

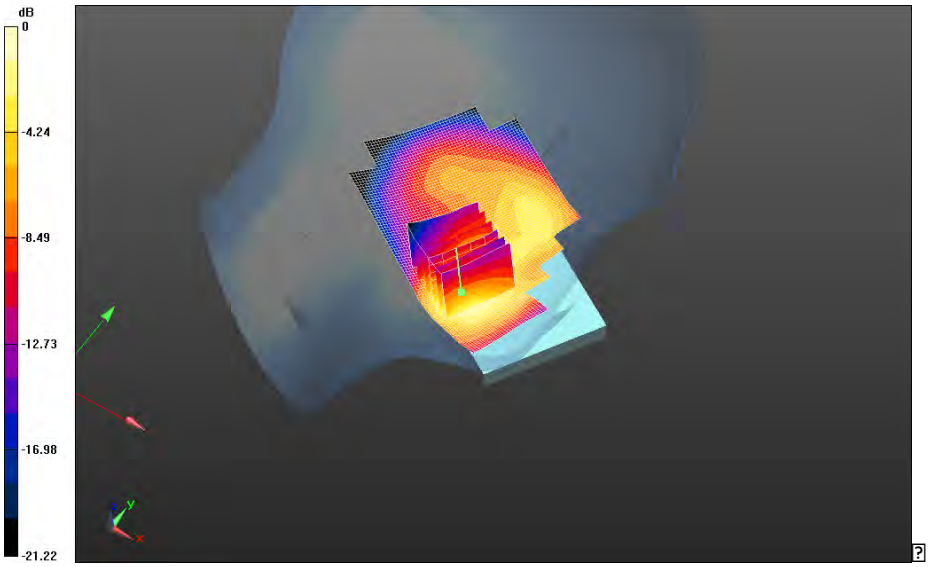
- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - LTE Band 4 (2)/Touch Position 2nd Scan -LTE Band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_22.6C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.685 V/m; **Power Drift = 0.021 dB**

Fast SAR: SAR(1g) = 0.817 W/kg; SAR(10g) = 0.470 W/kg
Maximum value of SAR (interpolated) = 1.02 W/kg

Left-Hand-Side HSL - LTE Band 4 (2)/Touch Position 2nd Scan -LTE Band 4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_22.6C_liq_temp_22.5C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.685 V/m; **Power Drift = 0.021 dB**

Averaged SAR: SAR(1g) = 0.859 W/kg; SAR(10g) = 0.514 W/kg
Maximum value of SAR (interpolated) = 1.31 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

LTE Band 2

Date: 7/8/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

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 = 1.352 S/m; ε_r = 38.758; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

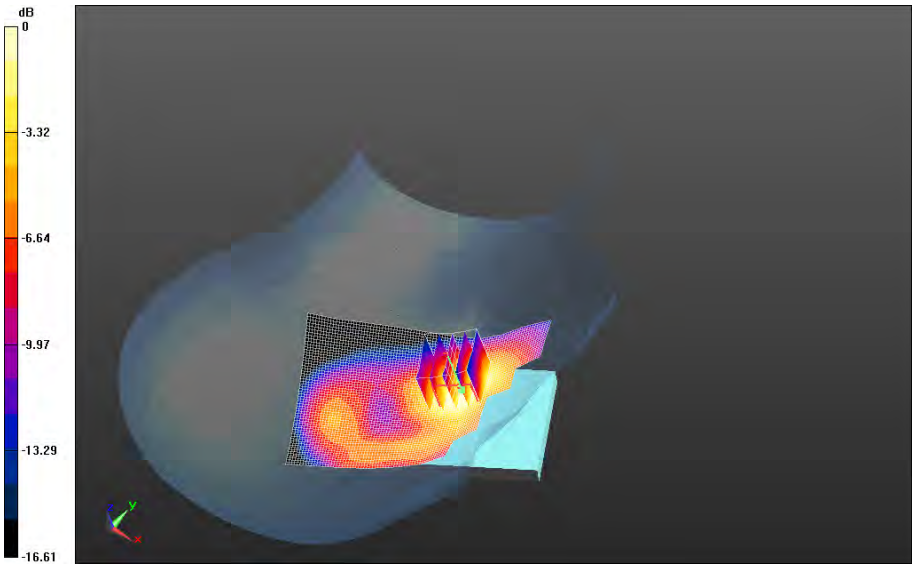
- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_23.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.767 V/m; **Power Drift = 0.020 dB**

Fast SAR: SAR(1g) = 0.640 W/kg; SAR(10g) = 0.340 W/kg
Maximum value of SAR (interpolated) = 0.818 W/kg

Right-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_23.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 10.767 V/m; **Power Drift = 0.020 dB**

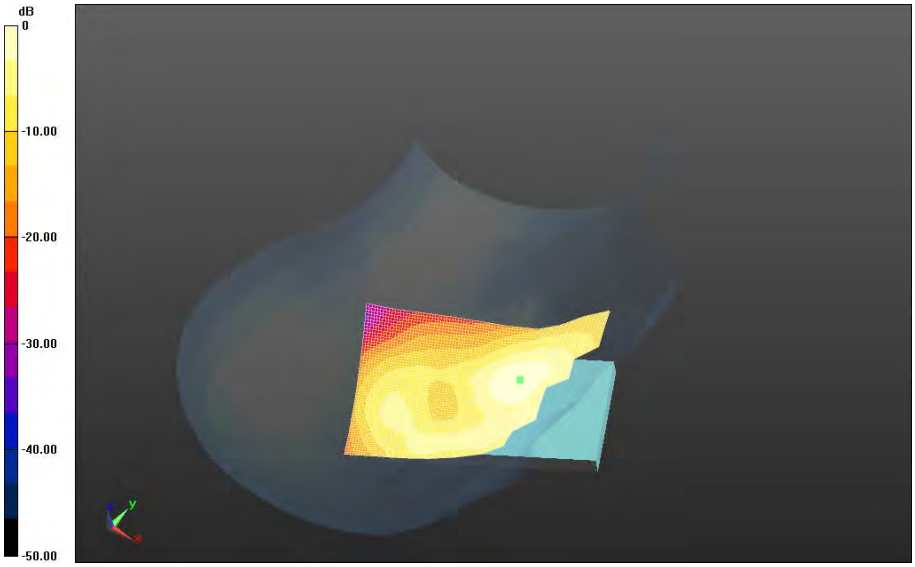
Averaged SAR: SAR(1g) = 0.575 W/kg; SAR(10g) = 0.344 W/kg
Maximum value of SAR (interpolated) = 0.856 W/kg



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

Right-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18900_20MHz_BW_RB1_Offset_High_amb_temp_23.4C_liq_temp_23.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.715 V/m; **Power Drift = 0.022 dB**

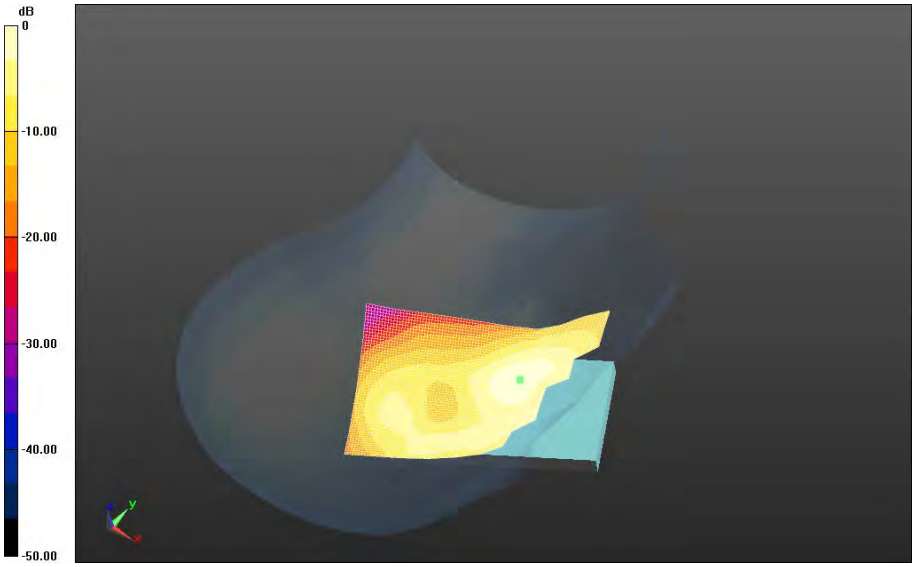
Fast SAR: SAR(1g) = 0.499 W/kg; SAR(10g) = 0.266 W/kg
Maximum value of SAR (interpolated) = 0.647 W/kg



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

Right-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.4C_liq_temp_22.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.843 V/m; **Power Drift = -0.065 dB**

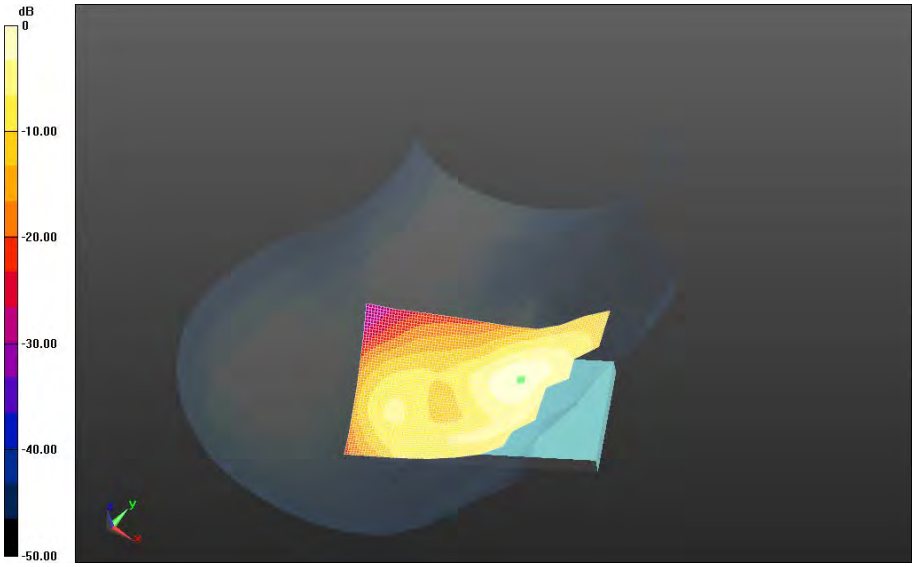
Fast SAR: SAR(1g) = 0.508 W/kg; SAR(10g) = 0.269 W/kg
Maximum value of SAR (interpolated) = 0.660 W/kg



0 dB = 0.647 W/kg = -1.89 dBW/kg

Right-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_23.4C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.694 V/m; **Power Drift = 0.047 dB**

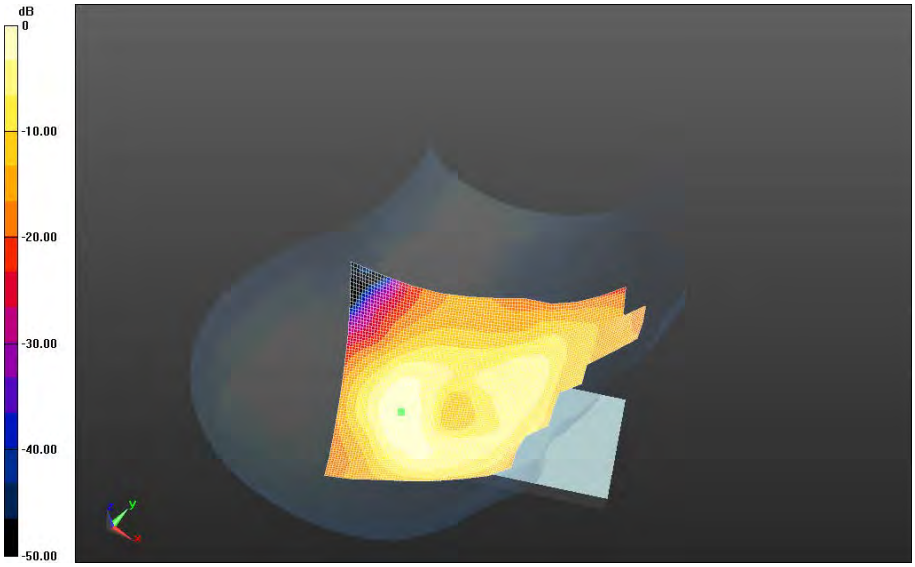
Fast SAR: SAR(1g) = 0.469 W/kg; SAR(10g) = 0.249 W/kg
Maximum value of SAR (interpolated) = 0.600 W/kg



0 dB = 0.660 W/kg = -1.80 dBW/kg

Right-Hand-Side HSL - LTE Band 2/Tilt Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.3C_liq_temp_22.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.927 V/m; **Power Drift = 0.038 dB**

Fast SAR: SAR(1g) = 0.241 W/kg; SAR(10g) = 0.126 W/kg
Maximum value of SAR (interpolated) = 0.309 W/kg



0 dB = 0.600 W/kg = -2.22 dBW/kg

Date: 7/8/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-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 = 1.352 S/m; ε_r = 38.758; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

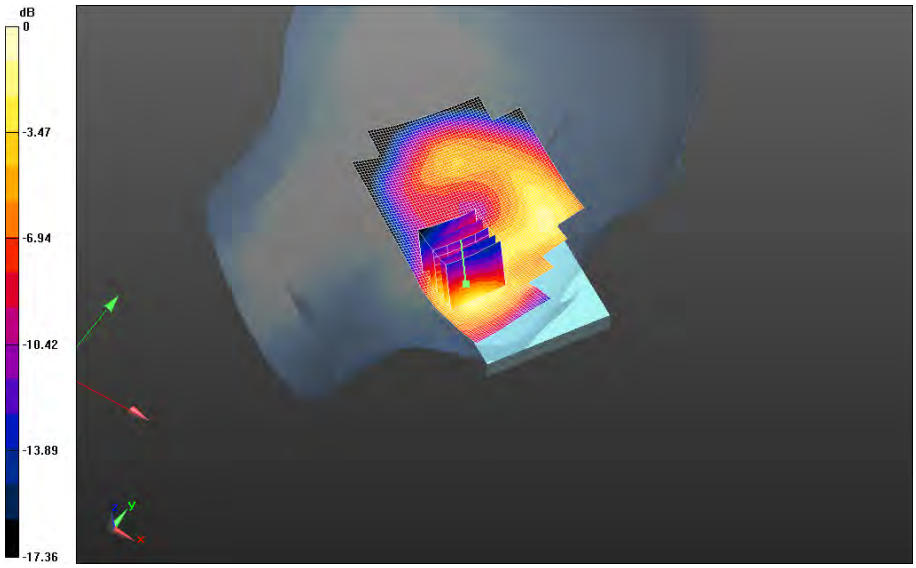
- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_22.7C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.927 V/m; **Power Drift = 0.00199 dB**

Fast SAR: SAR(1g) = 0.383 W/kg; SAR(10g) = 0.219 W/kg
Maximum value of SAR (interpolated) = 0.475 W/kg

Left-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_22.7C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.927 V/m; **Power Drift = 0.00199 dB**

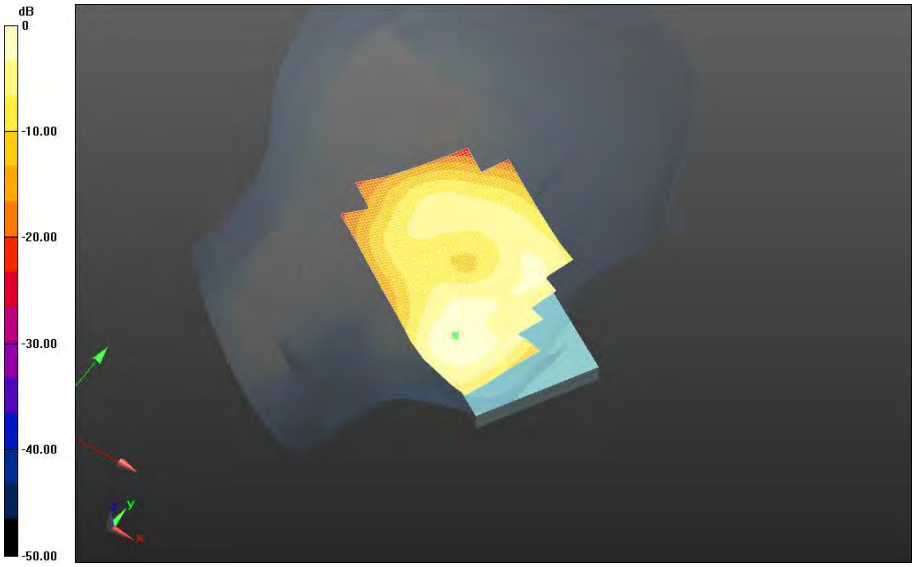
Averaged SAR: SAR(1g) = 0.426 W/kg; SAR(10g) = 0.242 W/kg
Maximum value of SAR (interpolated) = 0.709 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

Left-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18900_20MHz_BW_RB1_Offset_High_amb_temp_22.6C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.629 V/m; **Power Drift = 0.025 dB**

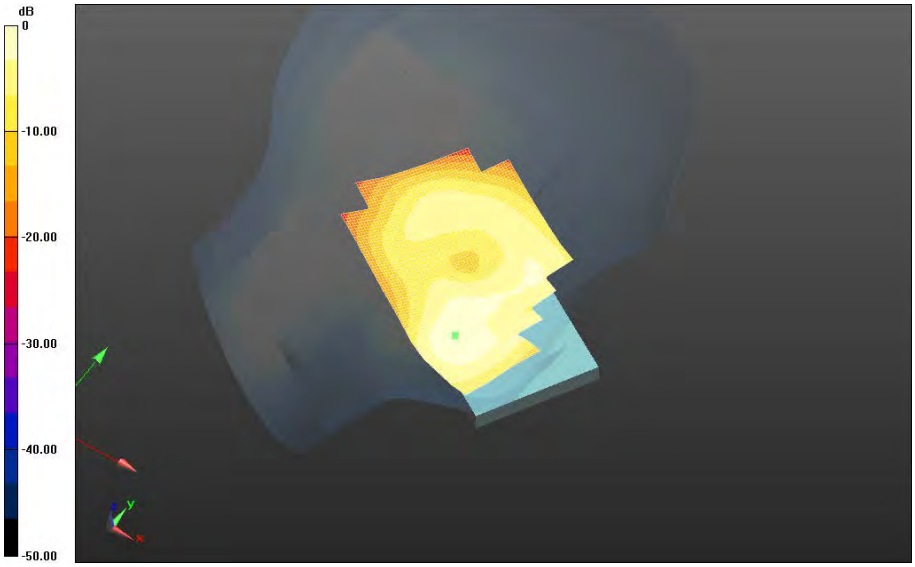
Fast SAR: SAR(1g) = 0.377 W/kg; SAR(10g) = 0.214 W/kg
Maximum value of SAR (interpolated) = 0.472 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

Left-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 4_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_22.6C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.294 V/m; **Power Drift = 0.00506 dB**

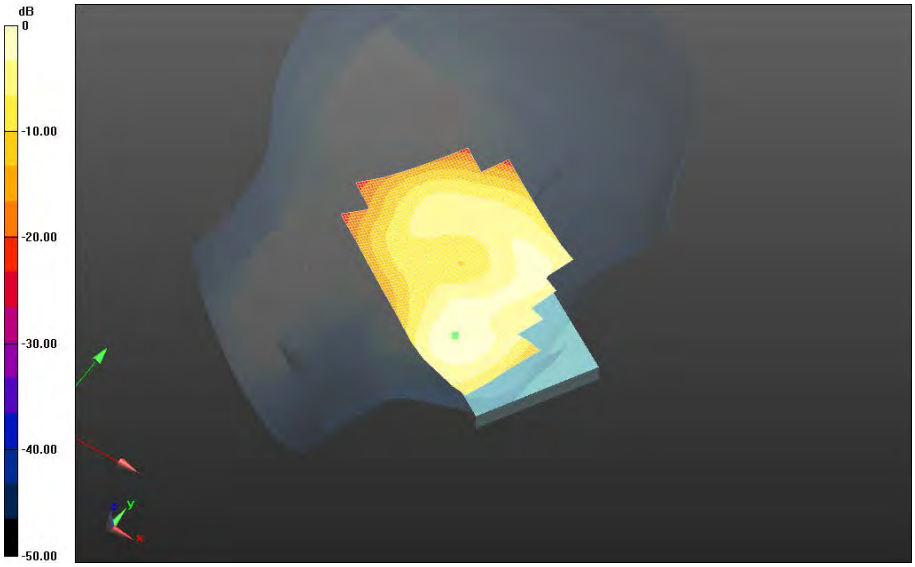
Fast SAR: SAR(1g) = 0.369 W/kg; SAR(10g) = 0.219 W/kg
Maximum value of SAR (interpolated) = 0.504 W/kg



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

Left-Hand-Side HSL - LTE Band 2/Touch Position -LTE Band 2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_22.7C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.364 V/m; **Power Drift = -0.056 dB**

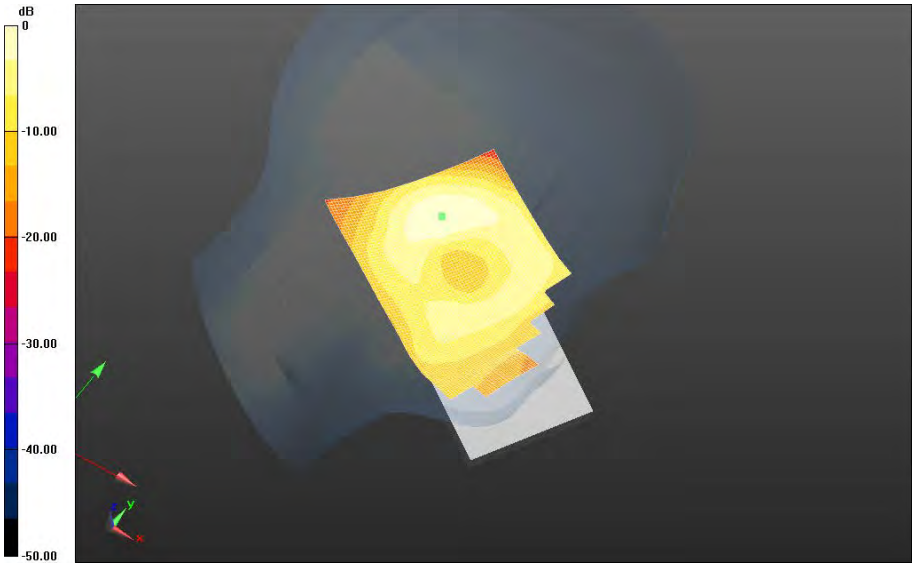
Fast SAR: SAR(1g) = 0.288 W/kg; SAR(10g) = 0.164 W/kg
Maximum value of SAR (interpolated) = 0.358 W/kg



0 dB = 0.504 W/kg = -2.98 dBW/kg

Left-Hand-Side HSL - LTE Band 2/Tilt Position -LTE Band 2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.4C_liq_temp_22.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.382 V/m; **Power Drift = 0.099 dB**

Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.132 W/kg
Maximum value of SAR (interpolated) = 0.326 W/kg



0 dB = 0.358 W/kg = -4.46 dBW/kg

DTM 1900

Date: 7/10/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side HSL - DTM 1900

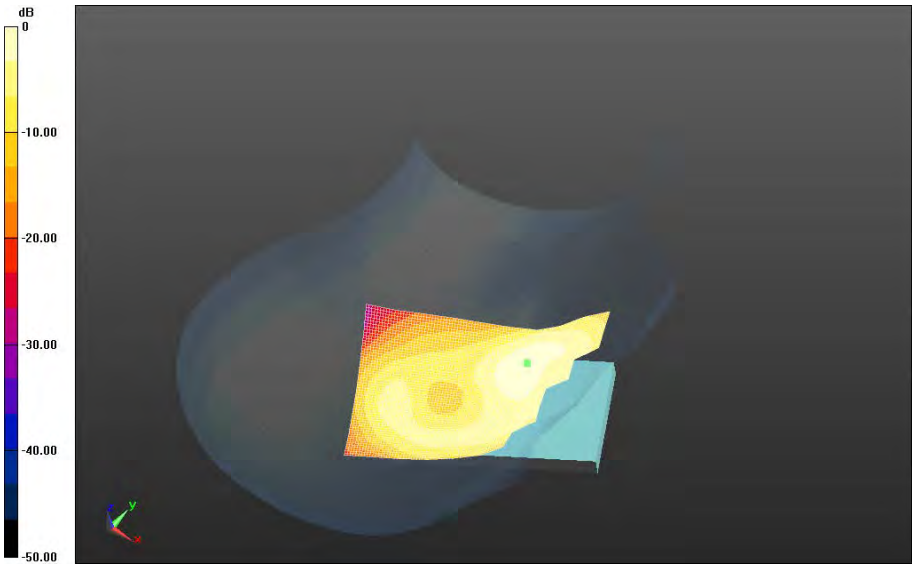
Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.369 S/m; ε_r = 38.685; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - DTM 1900/Touch Position - GSM1900_1-slot_chan661_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.167 V/m; **Power Drift = 0.074 dB**

Fast SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.164 W/kg
Maximum value of SAR (interpolated) = 0.373 W/kg



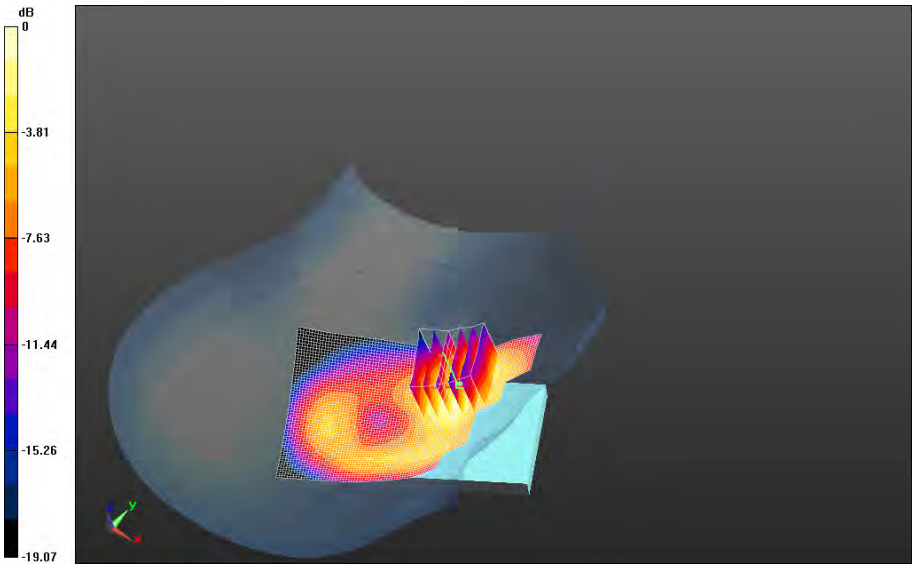
0 dB = 0.373 W/kg = -4.28 dBW/kg

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan512_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.663 V/m; **Power Drift = 0.033 dB**

Fast SAR: SAR(1g) = 0.508 W/kg; SAR(10g) = 0.280 W/kg
Maximum value of SAR (interpolated) = 0.621 W/kg

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan512_amb_temp_24.0C_liq_temp_22.0C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.663 V/m; **Power Drift = 0.033 dB**

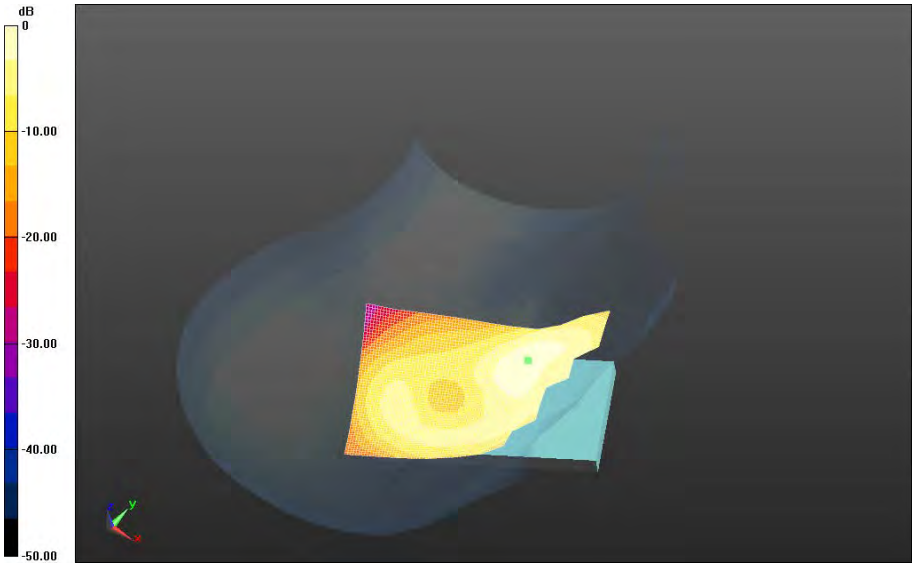
Averaged SAR: SAR(1g) = 0.551 W/kg; SAR(10g) = 0.325 W/kg
Maximum value of SAR (interpolated) = 0.850 W/kg



0 dB = 0.373 W/kg = -4.28 dBW/kg

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan661_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.443 V/m; **Power Drift = 0.215 dB**

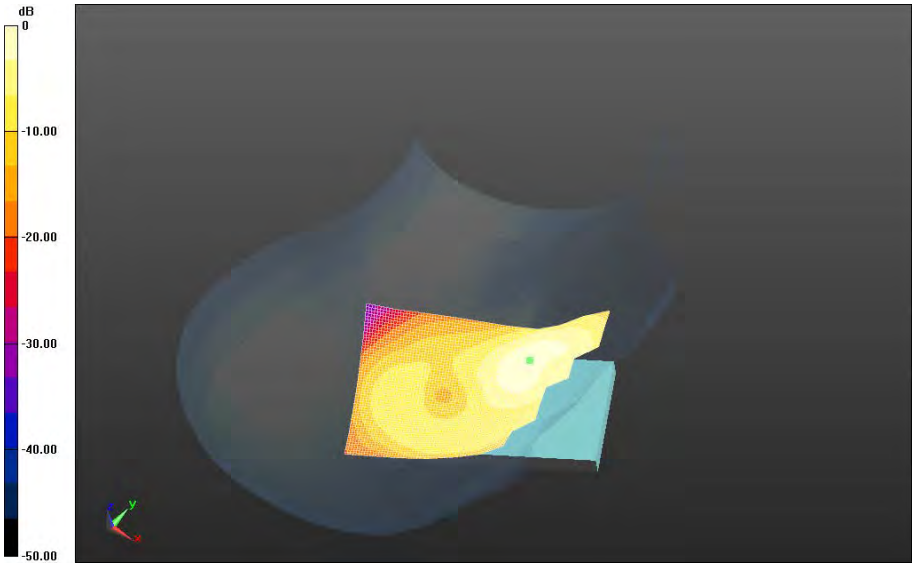
Fast SAR: SAR(1g) = 0.495 W/kg; SAR(10g) = 0.272 W/kg
Maximum value of SAR (interpolated) = 0.618 W/kg



0 dB = 0.620 W/kg = -2.08 dBW/kg

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan810_amb_temp_24.0C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.729 V/m; **Power Drift = 0.016 dB**

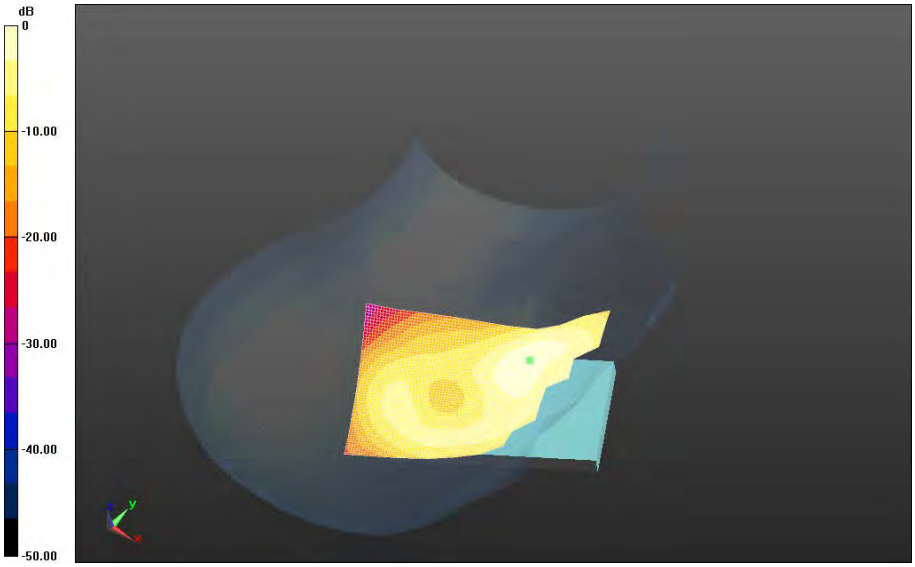
Fast SAR: SAR(1g) = 0.448 W/kg; SAR(10g) = 0.242 W/kg
Maximum value of SAR (interpolated) = 0.568 W/kg



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

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_3-slot_chan661_amb_temp_24.1C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.686 V/m; **Power Drift = -0.00525 dB**

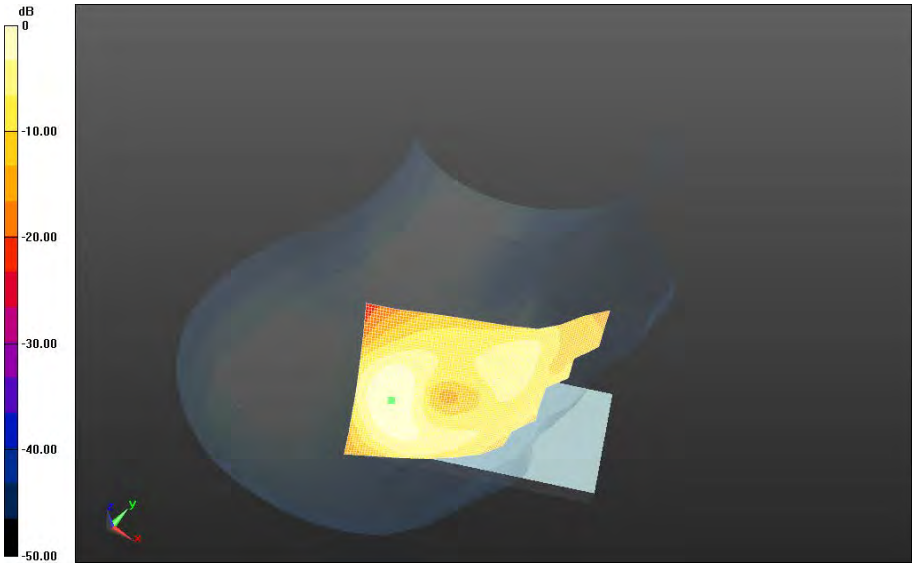
Fast SAR: SAR(1g) = 0.408 W/kg; SAR(10g) = 0.223 W/kg
Maximum value of SAR (interpolated) = 0.509 W/kg



0 dB = 0.568 W/kg = -2.46 dBW/kg

Right-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-slot_chan661_amb_temp_24.0C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.411 V/m; **Power Drift = -0.152 dB**

Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.133 W/kg
Maximum value of SAR (interpolated) = 0.315 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

Date: 7/10/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - DTM 1900

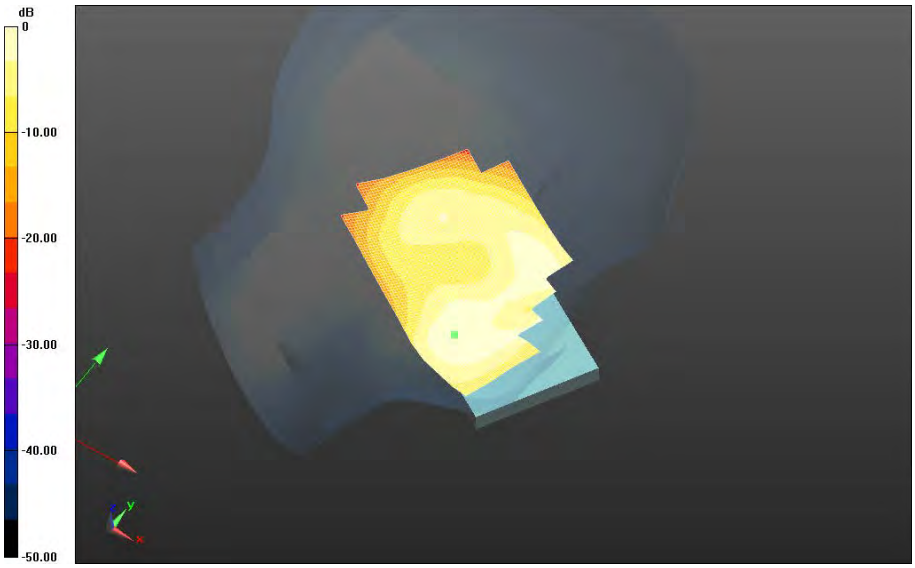
Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.369 S/m; ε_r = 38.685; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - DTM 1900/Touch Position - GSM1900_1-slot_chan661_amb_temp_24.4C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.382 V/m; **Power Drift = -0.076 dB**

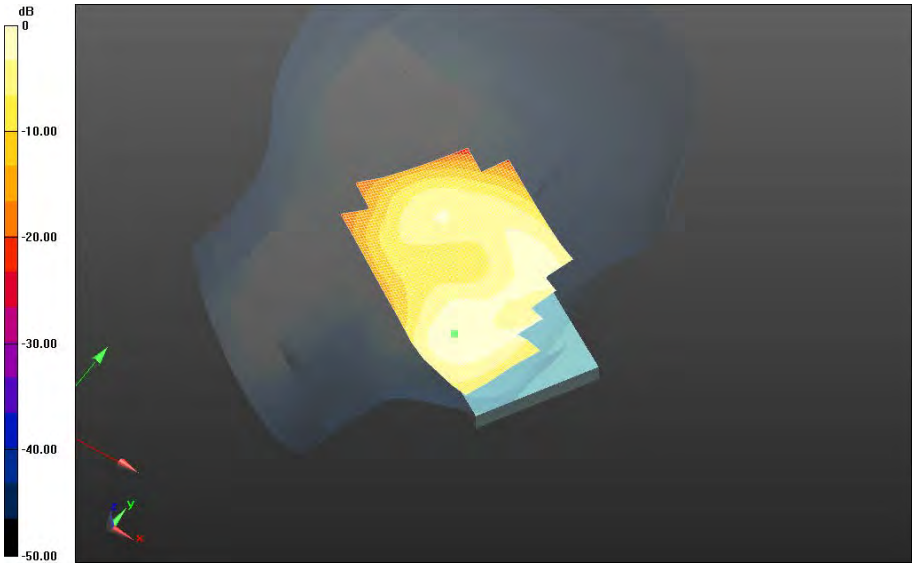
Fast SAR: SAR(1g) = 0.171 W/kg; SAR(10g) = 0.102 W/kg
Maximum value of SAR (interpolated) = 0.231 W/kg



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

Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slot_chan661_amb_temp_24.3C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.427 V/m; **Power Drift = -0.115 dB**

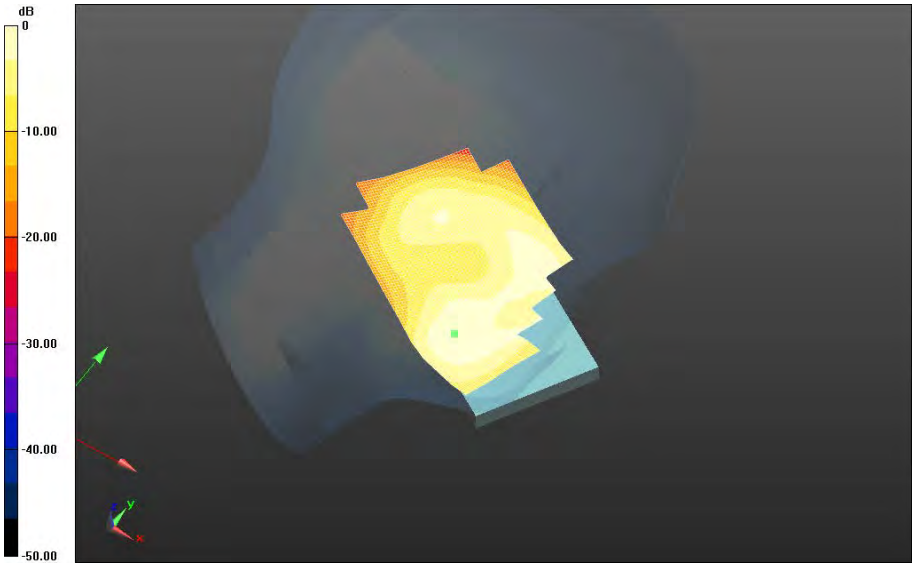
Fast SAR: SAR(1g) = 0.296 W/kg; SAR(10g) = 0.176 W/kg
Maximum value of SAR (interpolated) = 0.399 W/kg



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

Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_3-slot_chan661_amb_temp_24.2C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.854 V/m; **Power Drift = 0.105 dB**

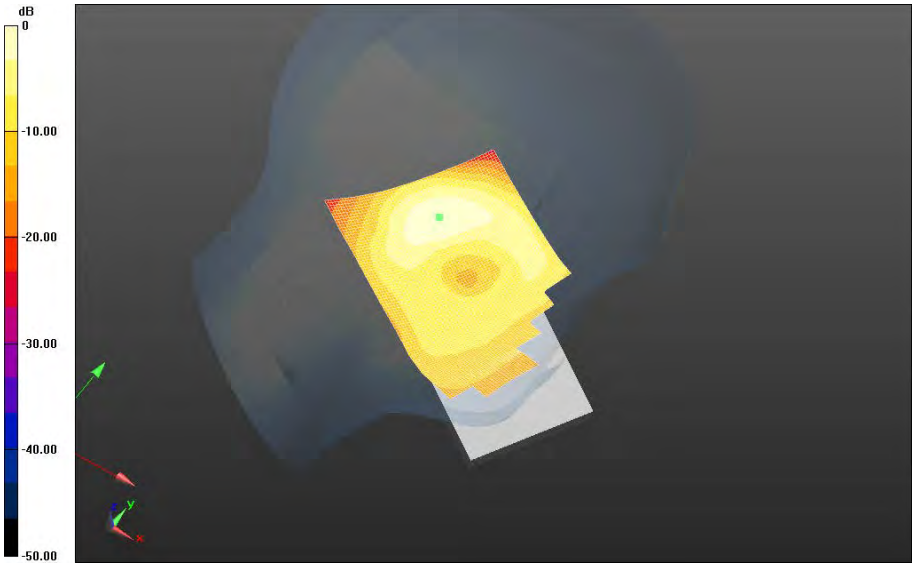
Fast SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.138 W/kg
Maximum value of SAR (interpolated) = 0.312 W/kg



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

Left-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-slot_chan661_amb_temp_24.0C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.479 V/m; **Power Drift = 0.053 dB**

Fast SAR: SAR(1g) = 0.273 W/kg; SAR(10g) = 0.145 W/kg
Maximum value of SAR (interpolated) = 0.357 W/kg



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

UMTS Band II

Date: 7/9/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Right-Hand-Side 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 = 1.347 S/m; ε_r = 38.796; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

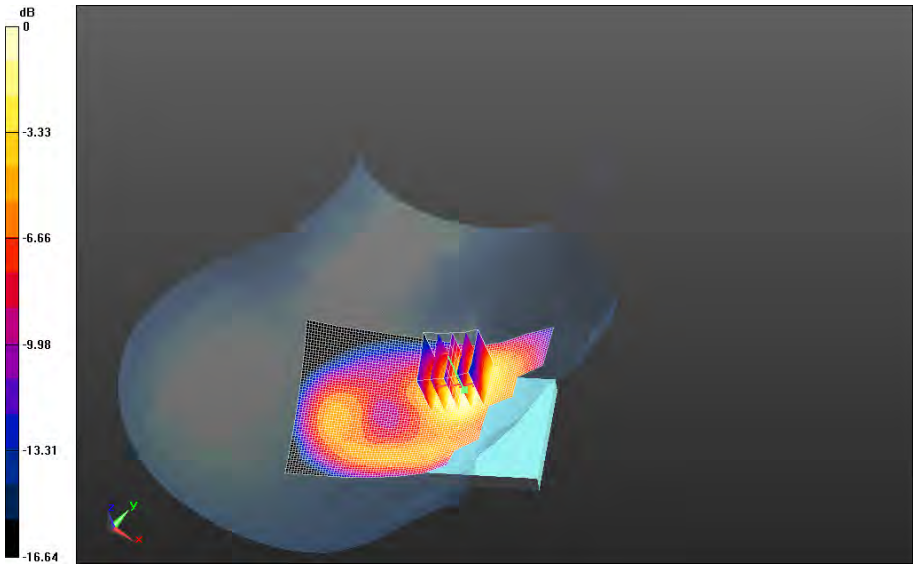
- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band II_chan9262_amb_temp_23.2C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.480 V/m; **Power Drift = 0.088 dB**

Fast SAR: SAR(1g) = 0.621 W/kg; SAR(10g) = 0.347 W/kg
Maximum value of SAR (interpolated) = 0.745 W/kg

Right-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band II_chan9262_amb_temp_23.2C_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 = 13.480 V/m; **Power Drift = 0.088 dB**

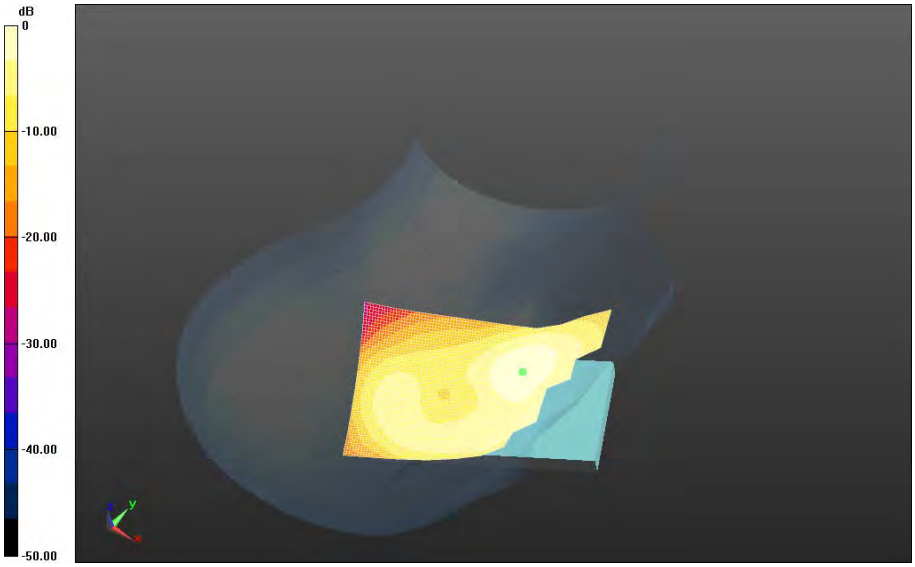
Averaged SAR: SAR(1g) = 0.666 W/kg; SAR(10g) = 0.401 W/kg
Maximum value of SAR (interpolated) = 0.984 W/kg



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

Right-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band II_chan9400_amb_temp_23.2C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.923 V/m; **Power Drift = -0.072 dB**

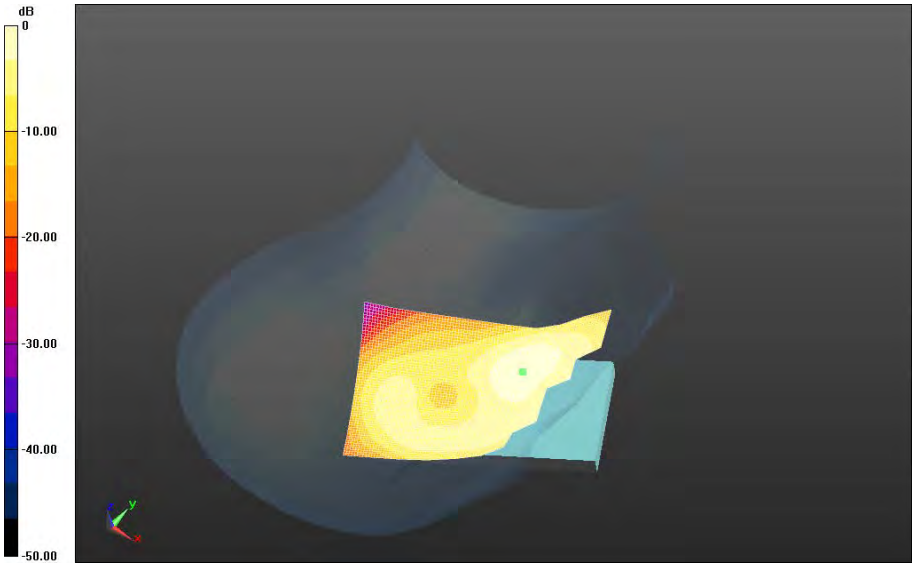
Fast SAR: SAR(1g) = 0.482 W/kg; SAR(10g) = 0.270 W/kg
Maximum value of SAR (interpolated) = 0.583 W/kg



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

Right-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band II_chan9538_amb_temp_23.2C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.395 V/m; **Power Drift = 0.043 dB**

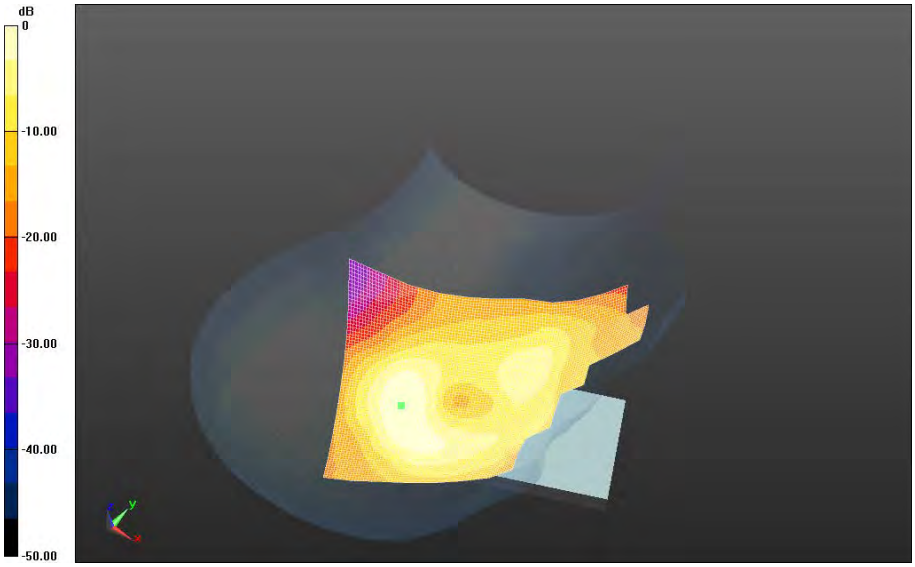
Fast SAR: SAR(1g) = 0.501 W/kg; SAR(10g) = 0.280 W/kg
Maximum value of SAR (interpolated) = 0.611 W/kg



0 dB = 0.583 W/kg = -2.34 dBW/kg

Right-Hand-Side HSL - UMTS Band II/Tilt Position -UMTS Band II_chan9400_amb_temp_23.2C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.619 V/m; **Power Drift = -0.282 dB**

Fast SAR: SAR(1g) = 0.259 W/kg; SAR(10g) = 0.138 W/kg
Maximum value of SAR (interpolated) = 0.330 W/kg



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

Date: 7/9/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB280

Configuration: Left-Hand-Side HSL - UMTS Band II

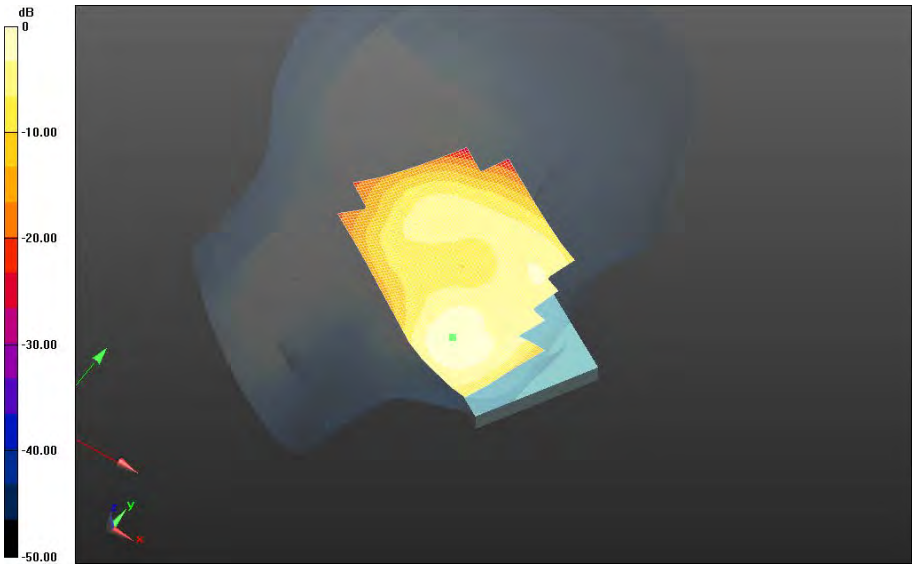
Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.369 S/m; ε_r = 38.685; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.24,5.24,5.24); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - UMTS Band II/Touch Position -UMTS Band II_chan9400_amb_temp_23.2C_liq_temp_21.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.091 V/m; **Power Drift = 0.050 dB**

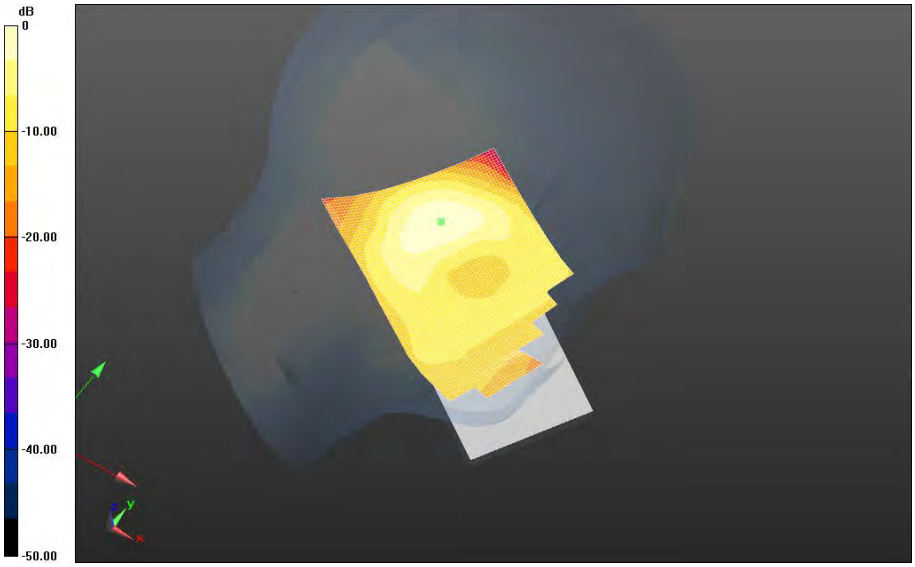
Fast SAR: SAR(1g) = 0.438 W/kg; SAR(10g) = 0.245 W/kg
Maximum value of SAR (interpolated) = 0.546 W/kg



0 dB = 0.546 W/kg = -2.63 dBW/kg

Left-Hand-Side HSL - UMTS Band II/Tilt Position -UMTS Band II_chan9400_amb_temp_23.3C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.798 V/m; **Power Drift = 0.071 dB**

Fast SAR: SAR(1g) = 0.293 W/kg; SAR(10g) = 0.158 W/kg
Maximum value of SAR (interpolated) = 0.378 W/kg



0 dB = 0.546 W/kg = -2.63 dBW/kg

802.11b

Date: 7/17/2014

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

Configuration: Right-Hand-Side HSL - 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 = 1.840 S/m; ε_r = 38.529; ρ = 1.000 g/cm^3
Phantom section: Right Section

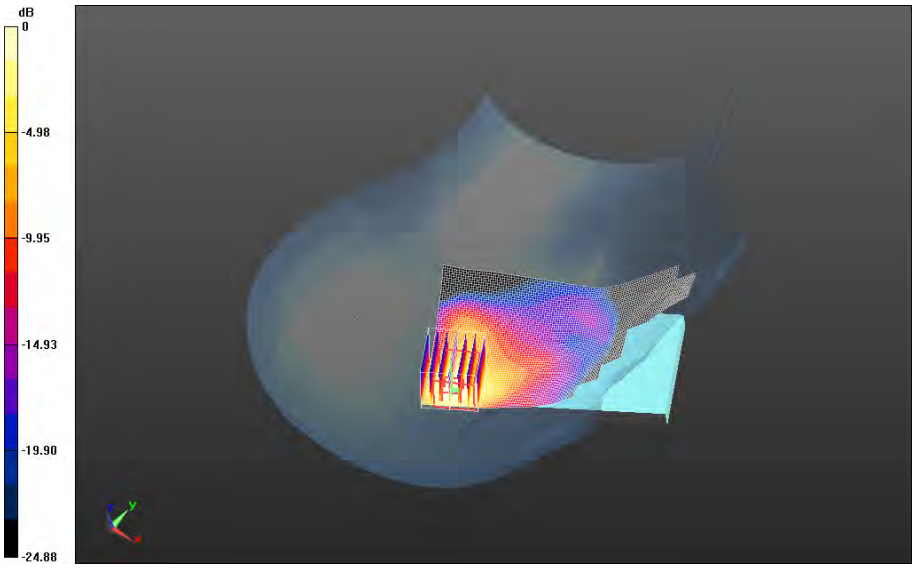
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan1_amb_temp_23.6C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.412 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan1_amb_temp_23.6C_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 = 9.193 V/m; **Power Drift = 0.035 dB**

Averaged SAR: SAR(1g) = 0.334 W/kg; SAR(10g) = 0.154 W/kg
Maximum value of SAR (interpolated) = 0.804 W/kg

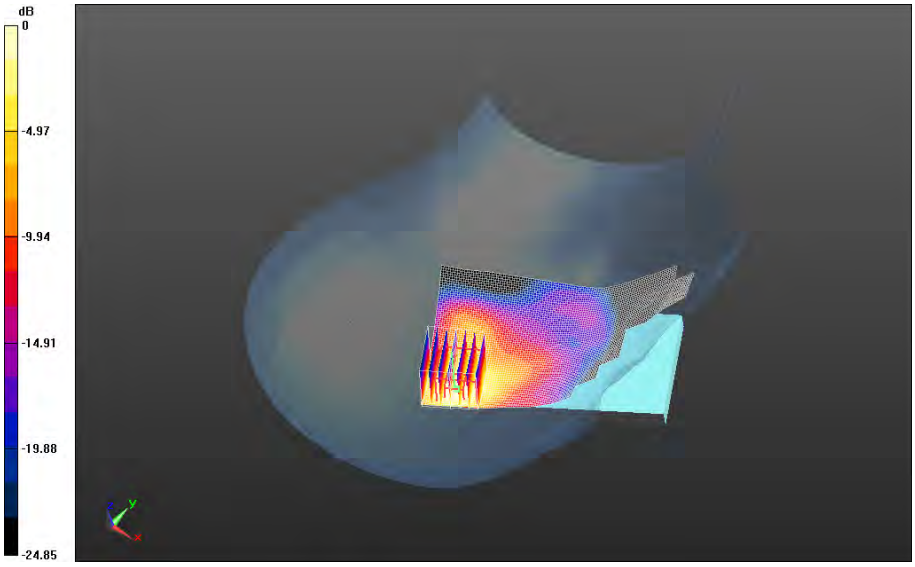


0 dB = 0.458 W/kg = -3.39 dBW/kg

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.479 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 9.703 V/m; **Power Drift = -0.00872 dB**

Averaged SAR: SAR(1g) = 0.361 W/kg; SAR(10g) = 0.169 W/kg
Maximum value of SAR (interpolated) = 0.836 W/kg

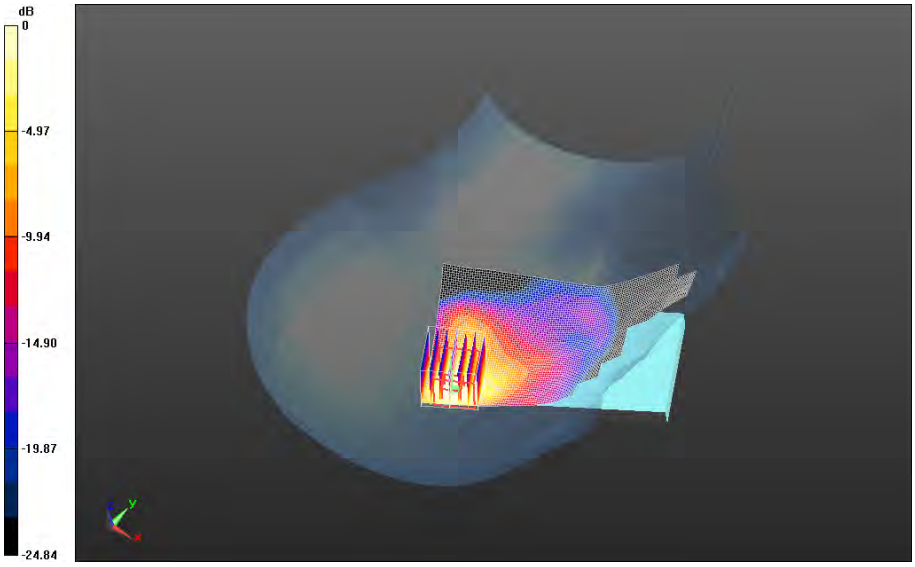


0 dB = 0.458 W/kg = -3.39 dBW/kg

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan11_amb_temp_23.6C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.429 W/kg

Right-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan11_amb_temp_23.6C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 9.241 V/m; **Power Drift = 0.035 dB**

Averaged SAR: SAR(1g) = 0.343 W/kg; SAR(10g) = 0.160 W/kg
Maximum value of SAR (interpolated) = 0.827 W/kg

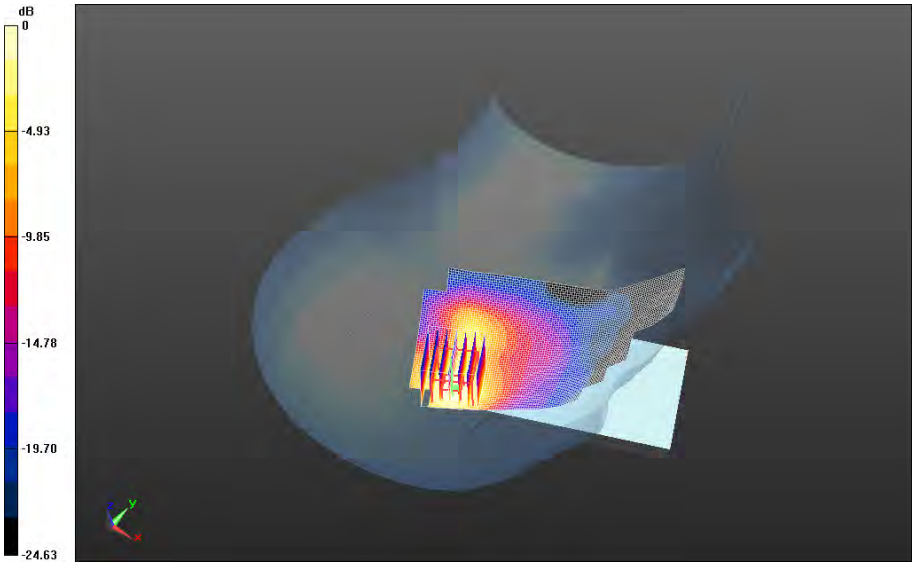


0 dB = 0.471 W/kg = -3.27 dBW/kg

Right-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.428 W/kg

Right-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.5C_liq_temp_22.1C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 10.878 V/m; **Power Drift = 0.038 dB**

Averaged SAR: SAR(1g) = 0.318 W/kg; SAR(10g) = 0.144 W/kg
Maximum value of SAR (interpolated) = 0.756 W/kg



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

Date: 7/17/2014

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

Configuration: Left-Hand-Side HSL - 802.11b

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; σ = 1.868 S/m; ε_r = 38.433; ρ = 1.000 g/cm^3
Phantom section: Left Section

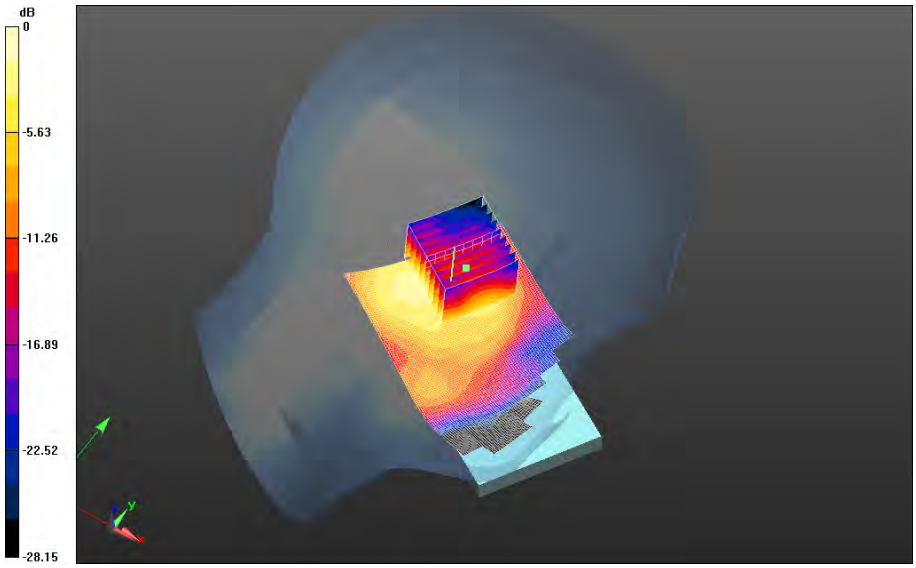
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.64,4.64,4.64); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.255 W/kg

Left-Hand-Side HSL - 802.11b/Touch Position - 802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (41x41x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 11.339 V/m; **Power Drift = 0.00664 dB**

Averaged SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.109 W/kg
Maximum value of SAR (interpolated) = 0.497 W/kg

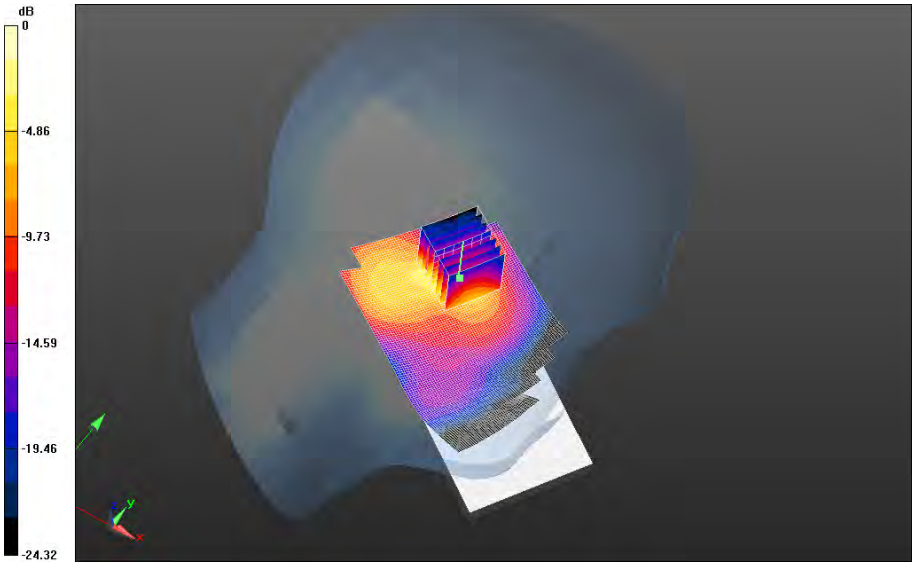


0 dB = 0.306 W/kg = -5.14 dBW/kg

Left-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.355 W/kg

Left-Hand-Side HSL - 802.11b/Tilt Position - 802.11b_chan6_amb_temp_23.1C_liq_temp_22.2C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 11.223 V/m; **Power Drift = 0.024 dB**

Averaged SAR: SAR(1g) = 0.287 W/kg; SAR(10g) = 0.123 W/kg
Maximum value of SAR (interpolated) = 0.627 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

Bluetooth

Date: 7/18/2014

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

Configuration: Right-Hand-Side HSL - 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 = 1.872 S/m; ε_r = 38.414; ρ = 1.000 g/cm^3
Phantom section: Right Section

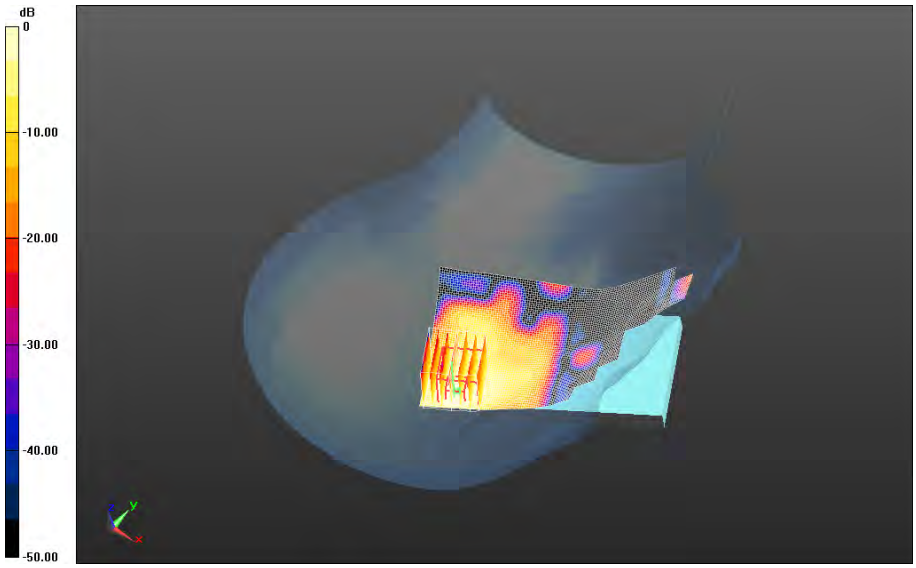
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.63,4.63,4.63); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_23.4C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0383 W/kg

Right-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_23.4C_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 = 2.719 V/m; **Power Drift = 0.165 dB**

Averaged SAR: SAR(1g) = 0.0305 W/kg; SAR(10g) = 0.0140 W/kg
Maximum value of SAR (interpolated) = 0.0737 W/kg



0 dB = 0.0410 W/kg = -13.87 dBW/kg

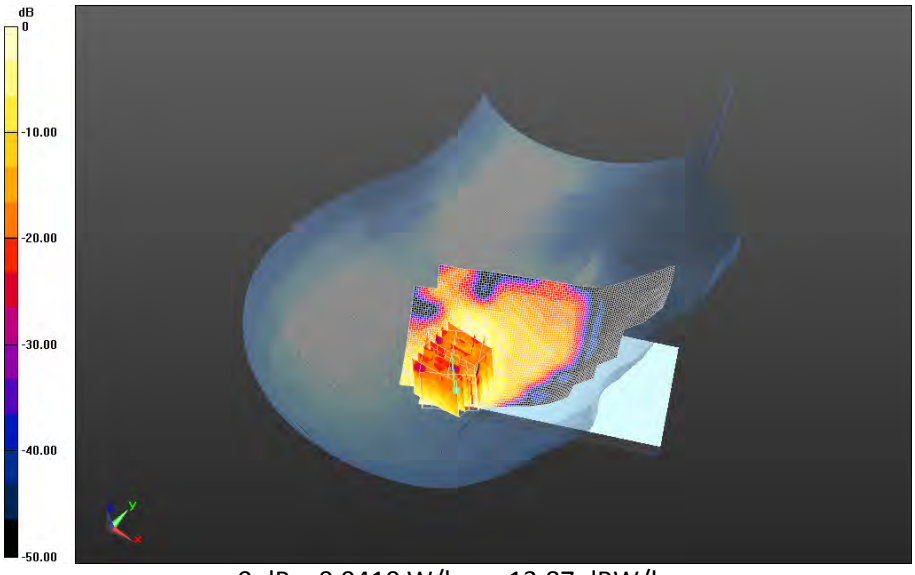
Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0335 W/kg

Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_23.3C_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 = 2.869 V/m; **Power Drift = 0.064 dB**

Averaged SAR: SAR(1g) = 0.0251 W/kg; SAR(10g) = 0.0114 W/kg
Maximum value of SAR (interpolated) = 0.0572 W/kg

Right-Hand-Side HSL - BT/Tilt Position - Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Zoom Scan 2 (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.869 V/m; **Power Drift = 0.177 dB**

Averaged SAR: SAR(1g) = 0.0254 W/kg; SAR(10g) = 0.0114 W/kg
Maximum value of SAR (interpolated) = 0.0603 W/kg



0 dB = 0.0410 W/kg = -13.87 dBW/kg

Date: 7/18/2014

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

Configuration: Left-Hand-Side HSL - 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 = 1.872 S/m; ε_r = 38.414; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.63,4.63,4.63); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

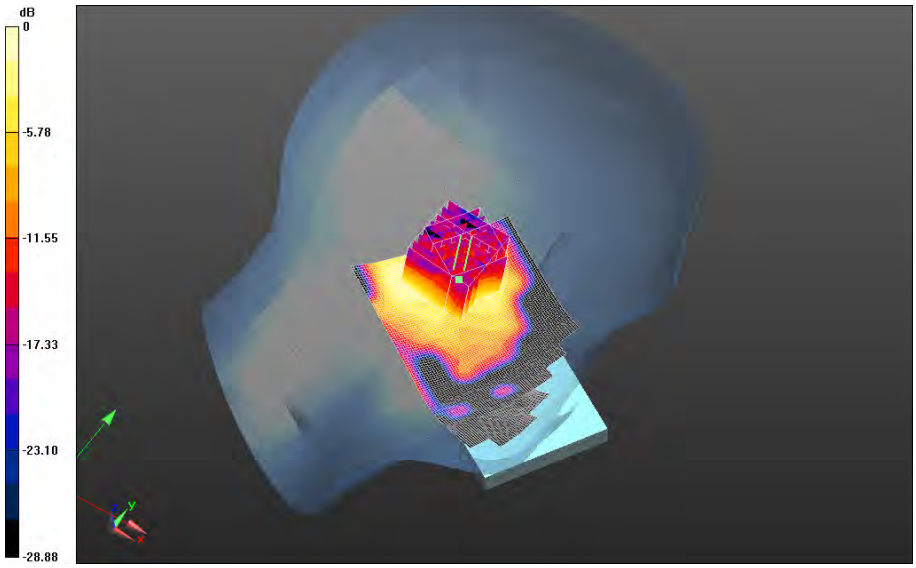
Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0189 W/kg

Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Zoom Scan (36x36x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.993 V/m; **Power Drift = 1.069 dB**

Averaged SAR: SAR(1g) = 0.0156 W/kg; SAR(10g) = 0.00729 W/kg
Maximum value of SAR (interpolated) = 0.0333 W/kg

Left-Hand-Side HSL - BT/Touch Position - Bluetooth_chan39_amb_temp_23.2C_liq_temp_22.1C/Zoom Scan 2 (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 2.993 V/m; **Power Drift = 0.720 dB**

Averaged SAR: SAR(1g) = 0.0171 W/kg; SAR(10g) = 0.00797 W/kg
Maximum value of SAR (interpolated) = 0.0377 W/kg



0 dB = 0.0215 W/kg = -16.68 dBW/kg

802.11a

Date: 8/1/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;
Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 4.747 S/m; ε_r = 35.107; ρ = 1.000 g/cm^3
Phantom section: Right Section

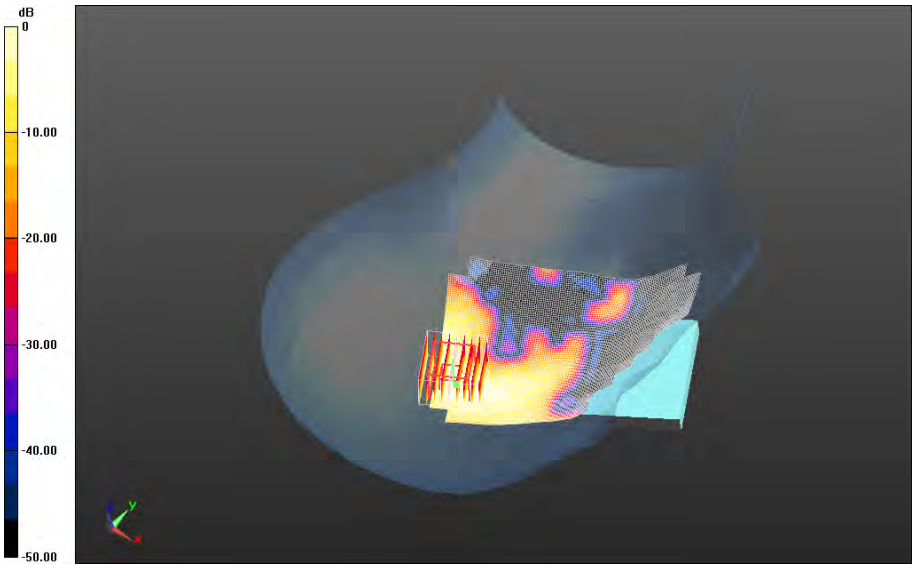
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_22.9C_liq_temp_21.8C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.930 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_22.9C_liq_temp_21.8C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.703 V/m; **Power Drift = 0.054 dB**

Averaged SAR: SAR(1g) = 0.480 W/kg; SAR(10g) = 0.174 W/kg
Maximum value of SAR (interpolated) = 1.73 W/kg

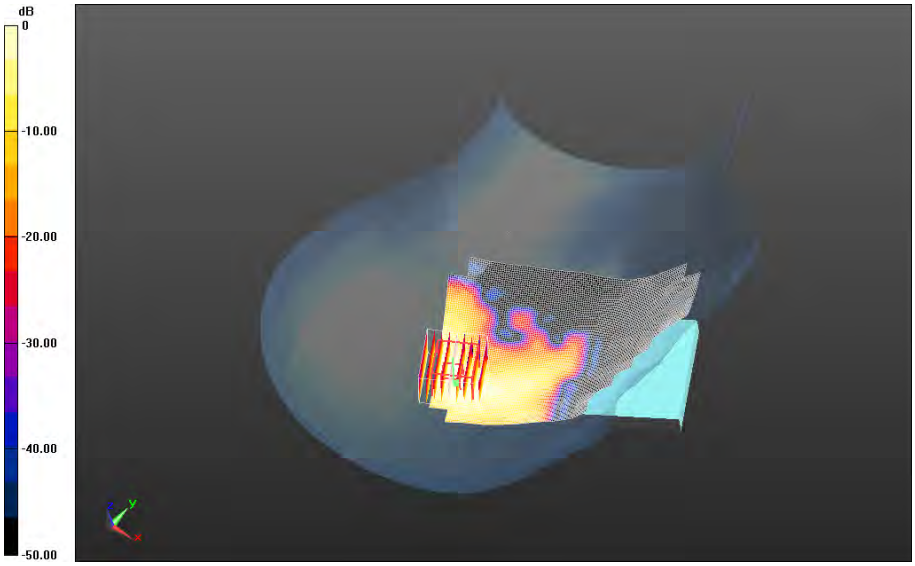


0 dB = 0.917 W/kg = -0.38 dBW/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_22.9C_liq_temp_21.8C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_22.9C_liq_temp_21.8C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.928 V/m; **Power Drift = 0.286 dB**

Averaged SAR: SAR(1g) = 0.579 W/kg; SAR(10g) = 0.207 W/kg
Maximum value of SAR (interpolated) = 2.10 W/kg

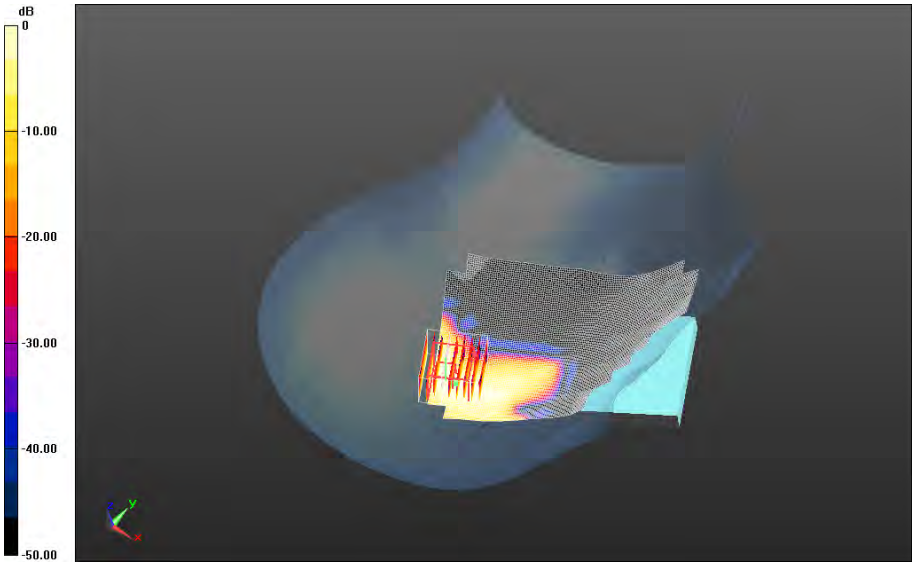


0 dB = 0.917 W/kg = -0.38 dBW/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan56_low_band_amb_temp_23.9C_liq_temp_22.4C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.392 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan56_low_band_amb_temp_23.9C_liq_temp_22.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.873 V/m; **Power Drift = 0.039 dB**

Averaged SAR: SAR(1g) = 0.191 W/kg; SAR(10g) = 0.0682 W/kg
Maximum value of SAR (interpolated) = 0.910 W/kg

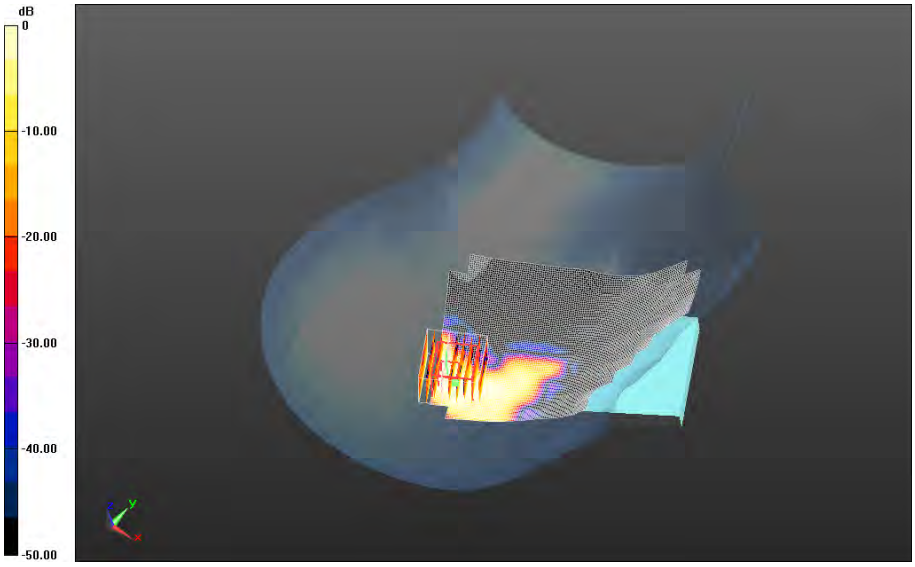


0 dB = 1.11 W/kg = 0.45 dBW/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.249 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.643 V/m; **Power Drift = -0.185 dB**

Averaged SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0353 W/kg
Maximum value of SAR (interpolated) = 0.902 W/kg



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

Date: 8/1/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.133 S/m; ε_r = 34.488; ρ = 1.000 g/cm^3
Phantom section: Right Section

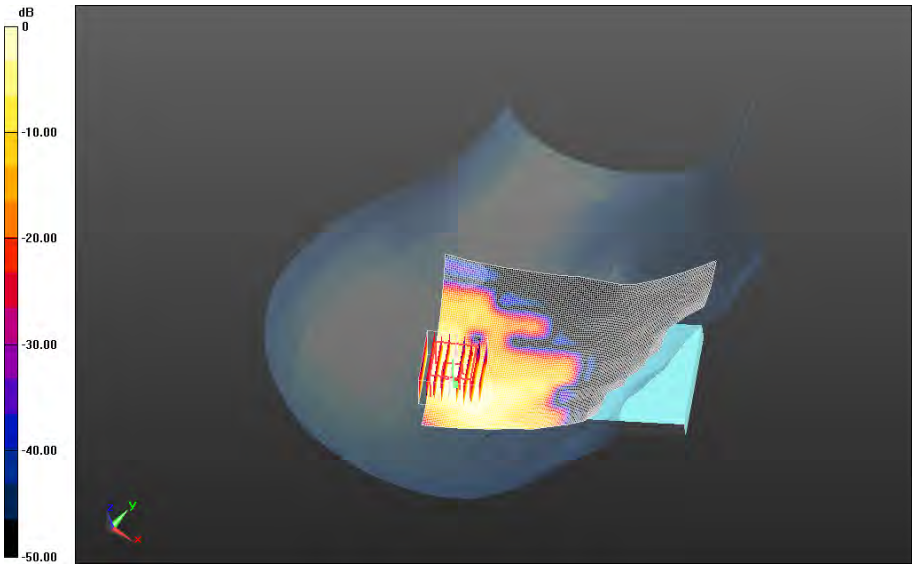
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.827 W/kg

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.157 V/m; **Power Drift = -0.120 dB**

Averaged SAR: SAR(1g) = 0.455 W/kg; SAR(10g) = 0.158 W/kg
Maximum value of SAR (interpolated) = 1.88 W/kg



0 dB = 0.902 W/kg = -0.45 dBW/kg

Date: 7/30/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5765 MHz
Medium Parameters used: f=5765 MHz; σ = 5.425 S/m; ε_r = 34.047; ρ = 1.000 g/cm^3
Phantom section: Right Section

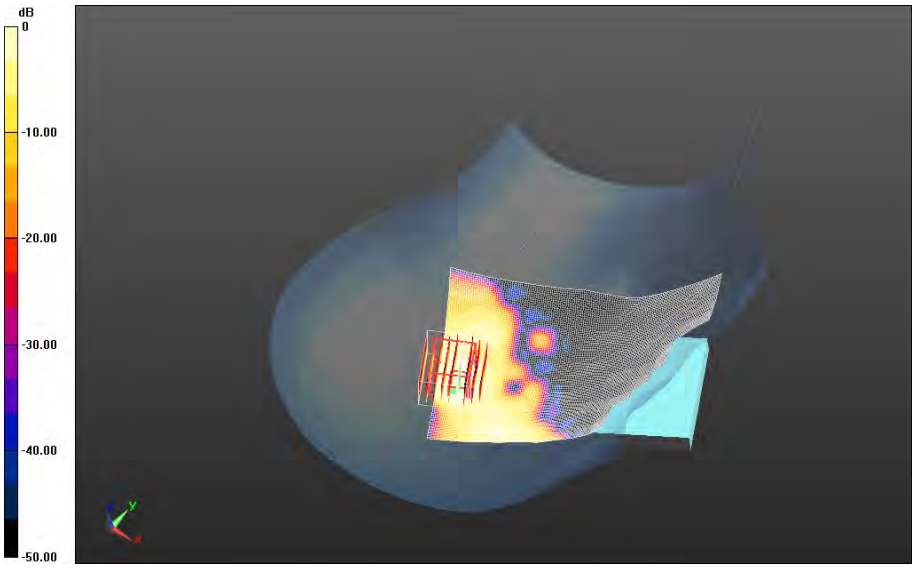
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.629 W/kg

Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 5.674 V/m; **Power Drift = 0.075 dB**

Averaged SAR: SAR(1g) = 0.276 W/kg; SAR(10g) = 0.103 W/kg
Maximum value of SAR (interpolated) = 1.38 W/kg



0 dB = 0.538 W/kg = -2.69 dBW/kg

Date: 8/1/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 4.747 S/m; ε_r = 35.107; ρ = 1.000 g/cm^3
Phantom section: Right Section

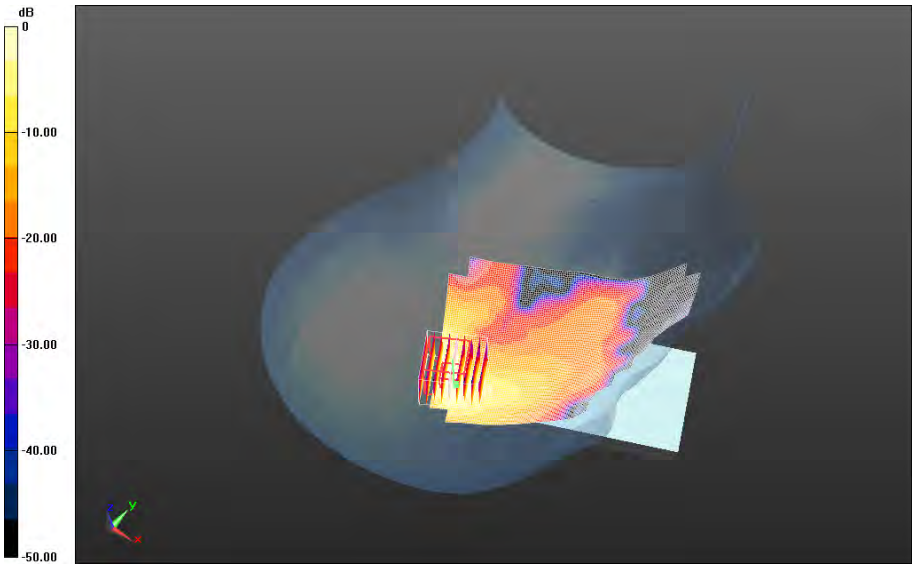
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.53 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (41x41x61)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.141 V/m; **Power Drift = 0.029 dB**

Averaged SAR: SAR(1g) = 0.800 W/kg; SAR(10g) = 0.266 W/kg
Maximum value of SAR (interpolated) = 3.16 W/kg

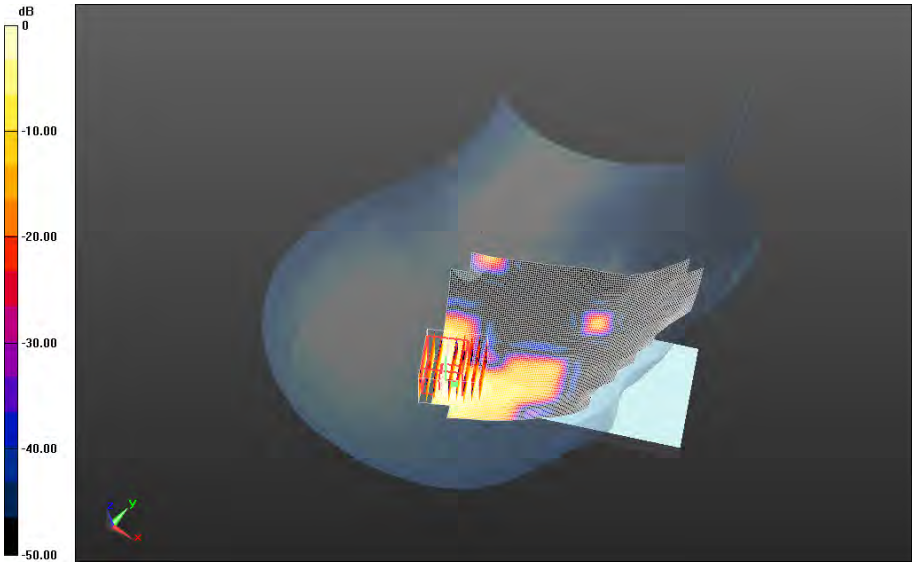


0 dB = 0.205 W/kg = -6.88 dBW/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.266 W/kg

Right-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan64_low_band_amb_temp_23.4C_liq_temp_22.3C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.768 V/m; **Power Drift = 0.018 dB**

Averaged SAR: SAR(1g) = 0.130 W/kg; SAR(10g) = 0.0409 W/kg
Maximum value of SAR (interpolated) = 0.491 W/kg



0 dB = 1.59 W/kg = 2.01 dBW/kg

Date: 8/1/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.133 S/m; ε_r = 34.488; ρ = 1.000 g/cm^3
Phantom section: Right Section

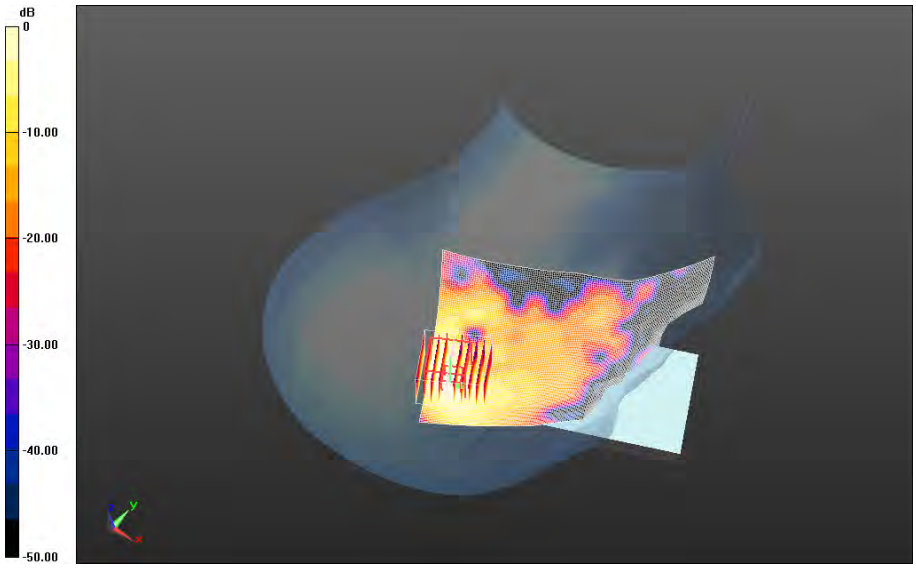
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Right-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position - 802.11a_chan104_Upper_bandI_amb_temp_23.2C_liq_temp_22.3C/Area Scan (101x151x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Right-Hand-Side HSL - 802.11a 5500 MHz/Tilt Position - 802.11a_chan104_Upper_bandI_amb_temp_23.2C_liq_temp_22.3C/Zoom Scan (41x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.624 V/m; **Power Drift = -0.048 dB**

Averaged SAR: SAR(1g) = 0.558 W/kg; SAR(10g) = 0.187 W/kg
Maximum value of SAR (interpolated) = 2.23 W/kg



0 dB = 0.902 W/kg = -0.45 dBW/kg

Date: 7/30/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 4.747 S/m; ε_r = 35.107; ρ = 1.000 g/cm^3
Phantom section: Left Section

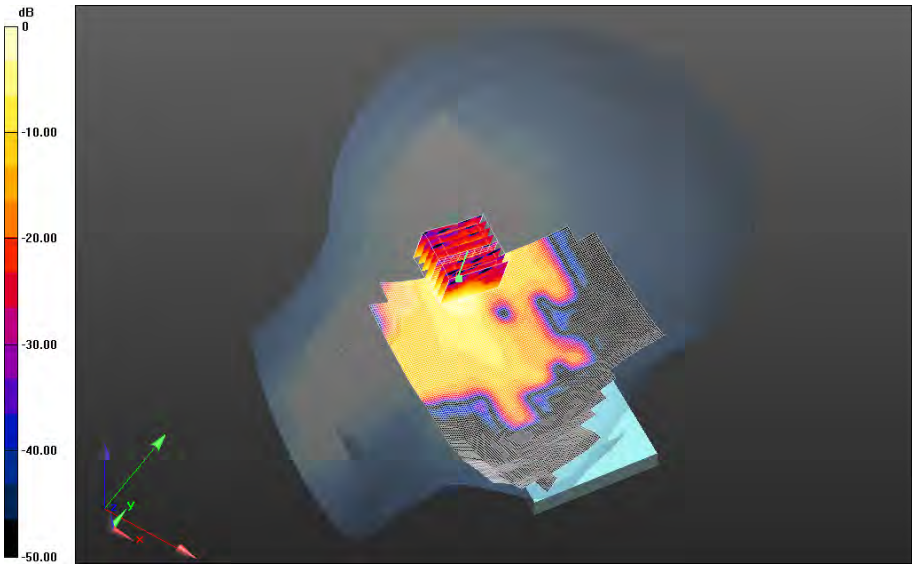
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_22.0C/Area Scan (181x261x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.957 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan36_low_band_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (41x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.977 V/m; **Power Drift = -0.326 dB**

Averaged SAR: SAR(1g) = 0.485 W/kg; SAR(10g) = 0.175 W/kg
Maximum value of SAR (interpolated) = 1.69 W/kg

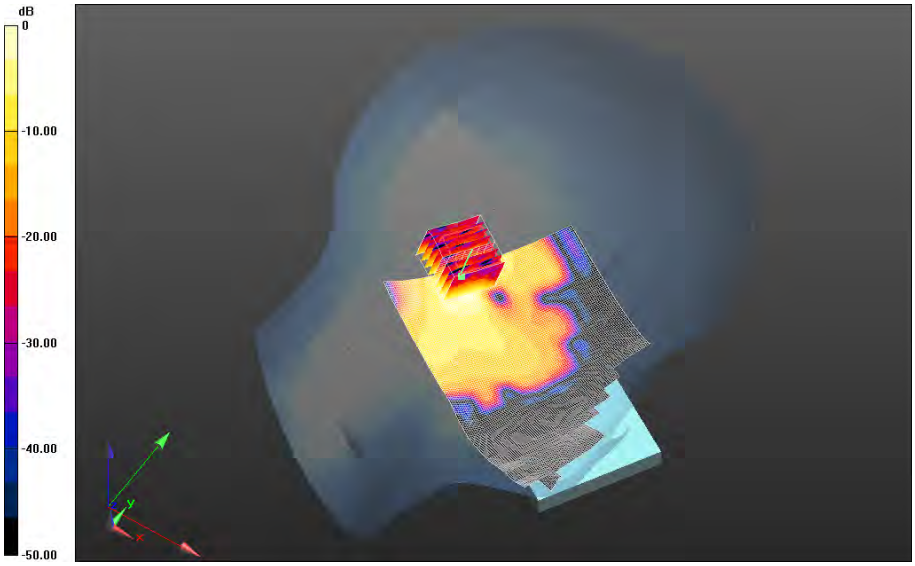


0 dB = 0.895 W/kg = -0.48 dBW/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.0C_liq_temp_22.0C/Area Scan (101x171x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.815 V/m; **Power Drift = 0.364 dB**

Averaged SAR: SAR(1g) = 0.500 W/kg; SAR(10g) = 0.179 W/kg
Maximum value of SAR (interpolated) = 1.74 W/kg



0 dB = 0.895 W/kg = -0.48 dBW/kg

Date: 7/29/2014

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

Configuration: Left-Hand-Side HSL - 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 = 5.133 S/m; ε_r = 34.488; ρ = 1.000 g/cm^3
Phantom section: Left Section

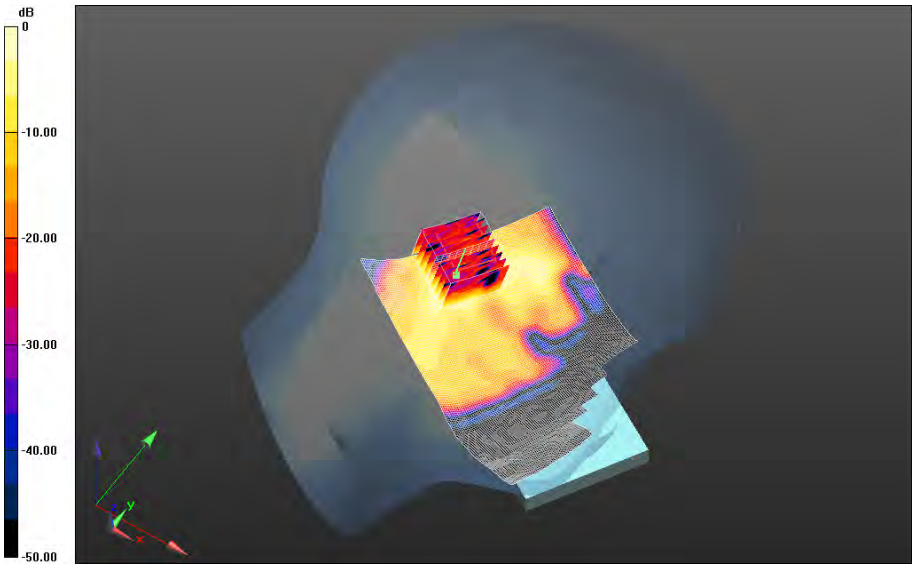
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.94,4.94,4.94); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandl_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x161x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.881 W/kg

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandl_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.986 V/m; **Power Drift = 0.275 dB**

Averaged SAR: SAR(1g) = 0.440 W/kg; SAR(10g) = 0.161 W/kg
Maximum value of SAR (interpolated) = 1.56 W/kg



0 dB = 0.796 W/kg = -0.99 dBW/kg

Date: 7/29/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5765 MHz
Medium Parameters used: f=5765 MHz; σ = 5.425 S/m; ε_r = 34.047; ρ = 1.000 g/cm^3
Phantom section: Left Section

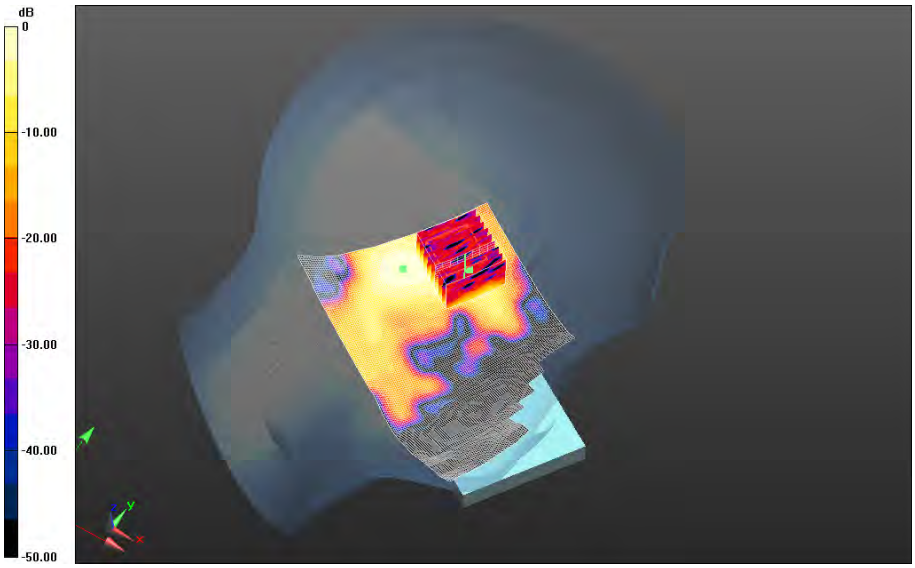
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.76,4.76,4.76); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x161x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.910 W/kg

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position - 802.11a_chan153_Upper_bandII_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 7.354 V/m; **Power Drift = 0.114 dB**

Averaged SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.134 W/kg
Maximum value of SAR (interpolated) = 1.92 W/kg



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

Date: 7/30/2014

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

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands; Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 4.747 S/m; ε_r = 35.107; ρ = 1.000 g/cm^3
Phantom section: Left Section

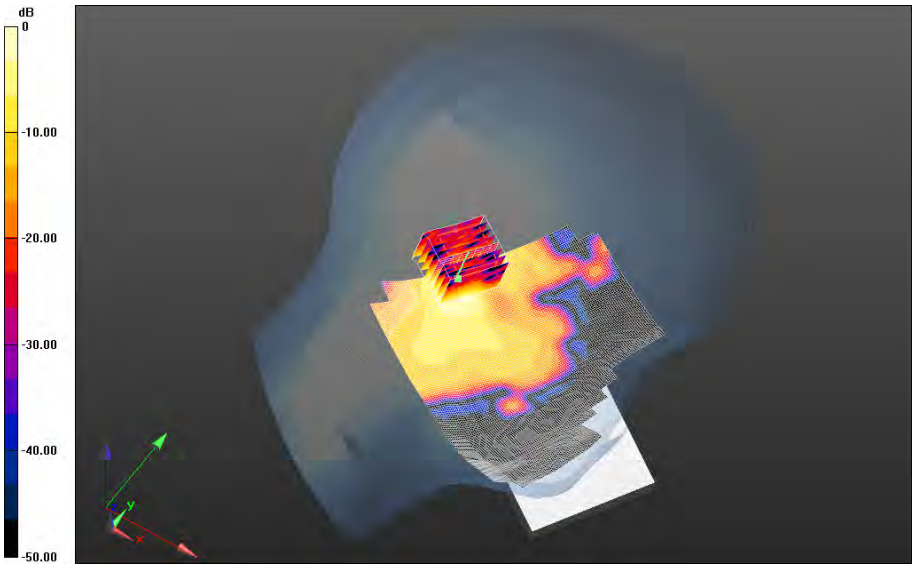
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (5.37,5.37,5.37); Calibrated: 1/17/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Left-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Area Scan (181x221x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.903 W/kg

Left-Hand-Side HSL - 802.11a 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (41x36x61)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.132 V/m; **Power Drift = 0.244 dB**

Averaged SAR: SAR(1g) = 0.470 W/kg; SAR(10g) = 0.167 W/kg
Maximum value of SAR (interpolated) = 1.64 W/kg



0 dB = 0.926 W/kg = -0.33 dBW/kg