APPENDIX C2: SAR DISTRIBUTION PLOTS FOR HOT SPOT CONFIGURATION

EDGE/GPRS 850

Date: 7/5/2014

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

Configuration: Mobile Hot Spot MSL - GPRS 850

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

DASY Configuration:

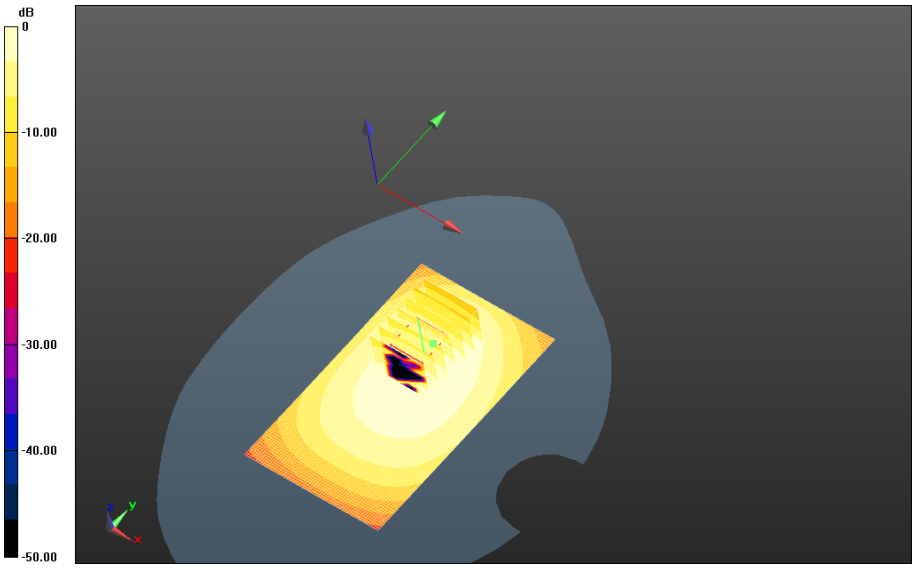
- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.768 V/m; **Power Drift = -0.060 dB**

Fast SAR: SAR(1g) = 0.381 W/kg; SAR(10g) = 0.266 W/kg
Maximum value of SAR (interpolated) = 0.435 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.8C/Zoom Scan (26x31x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 18.768 V/m; **Power Drift = -0.060 dB**

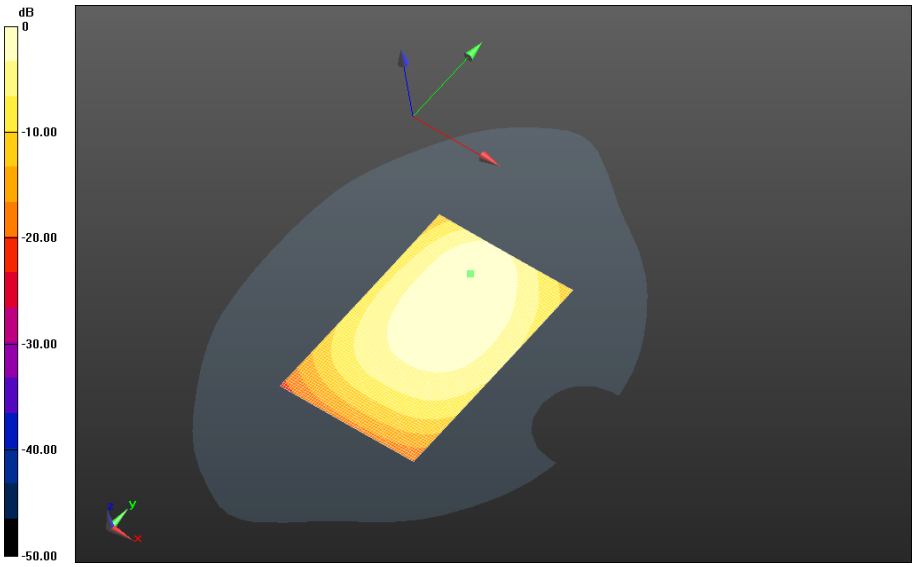
Averaged SAR: SAR(1g) = 0.388 W/kg; SAR(10g) = 0.275 W/kg
Maximum value of SAR (interpolated) = 0.656 W/kg



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

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_1-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.830 V/m; **Power Drift = -0.026 dB**

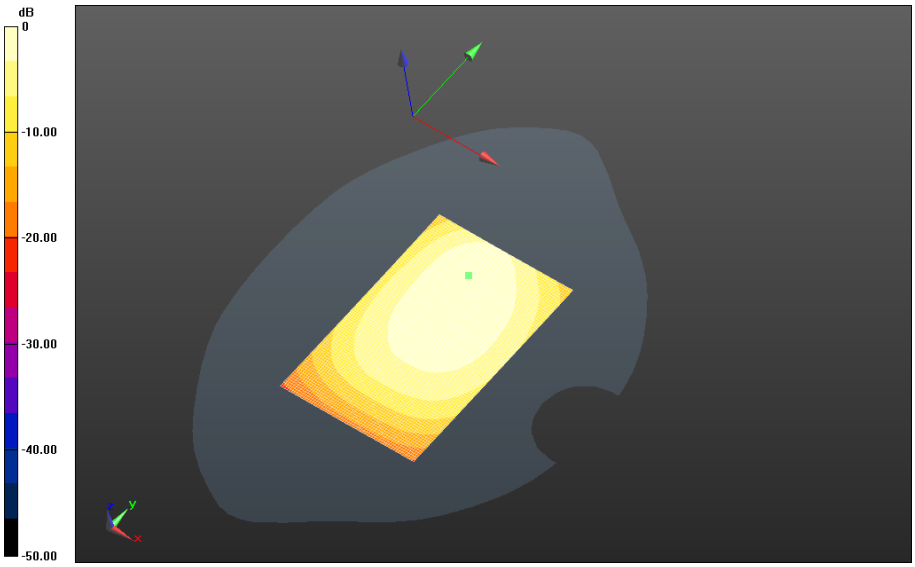
Fast SAR: SAR(1g) = 0.373 W/kg; SAR(10g) = 0.261 W/kg
Maximum value of SAR (interpolated) = 0.426 W/kg



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

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_1-slot_chan251_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.142 V/m; **Power Drift = 0.0035 dB**

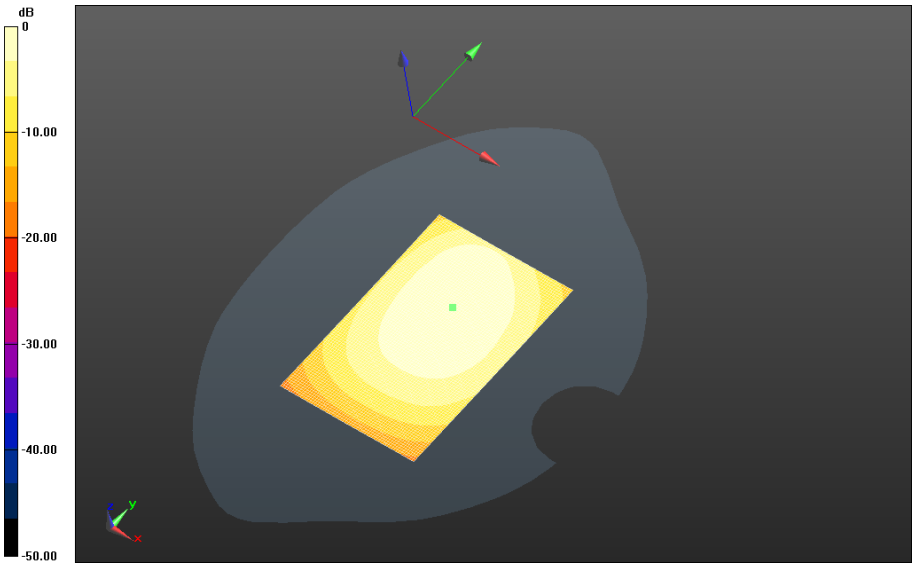
Fast SAR: SAR(1g) = 0.349 W/kg; SAR(10g) = 0.244 W/kg
Maximum value of SAR (interpolated) = 0.399 W/kg



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

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_2-slot_chan190_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.928 V/m; **Power Drift = 0.00556 dB**

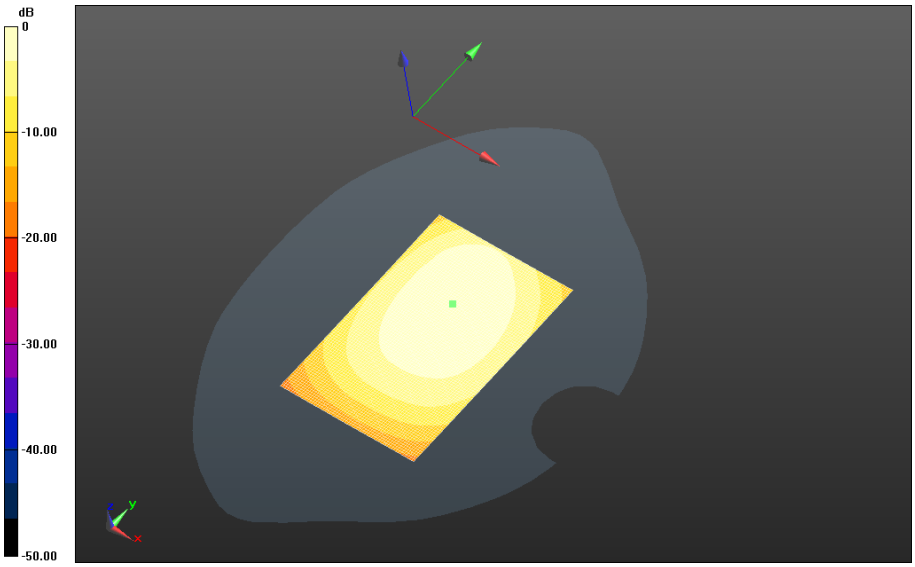
Fast SAR: SAR(1g) = 0.271 W/kg; SAR(10g) = 0.190 W/kg
Maximum value of SAR (interpolated) = 0.305 W/kg



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

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_3-slot_chan190_amb_temp_23.4C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.257 V/m; **Power Drift = 0.022 dB**

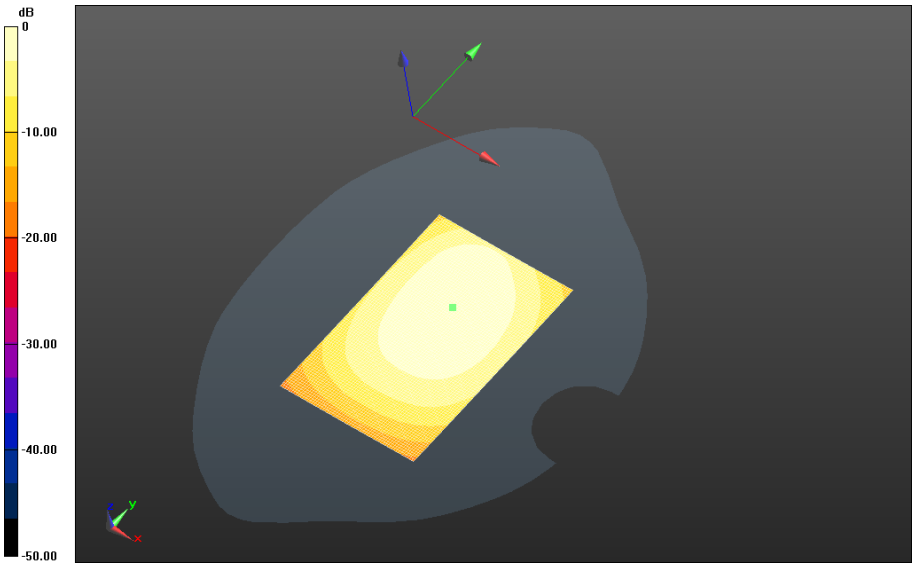
Fast SAR: SAR(1g) = 0.293 W/kg; SAR(10g) = 0.205 W/kg
Maximum value of SAR (interpolated) = 0.330 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_4-slot_chan190_amb_temp_23.4C_liq_temp_22.3C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.363 V/m; **Power Drift = 0.044 dB**

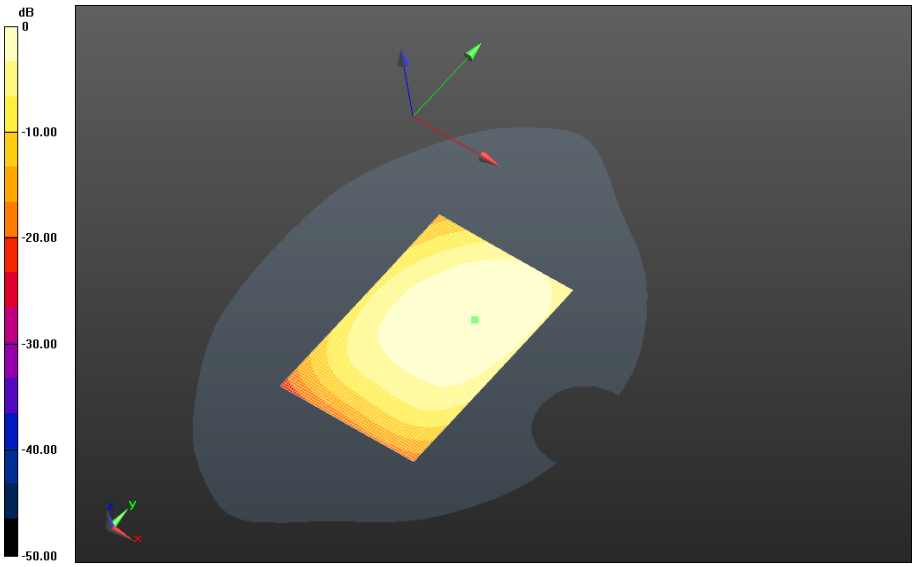
Fast SAR: SAR(1g) = 0.262 W/kg; SAR(10g) = 0.184 W/kg
Maximum value of SAR (interpolated) = 0.296 W/kg



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

Mobile Hot Spot MSL - GPRS 850/10mm Device Front -GSM850_1-slot_chan128_amb_temp_24.3C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.210 V/m; **Power Drift = -0.062 dB**

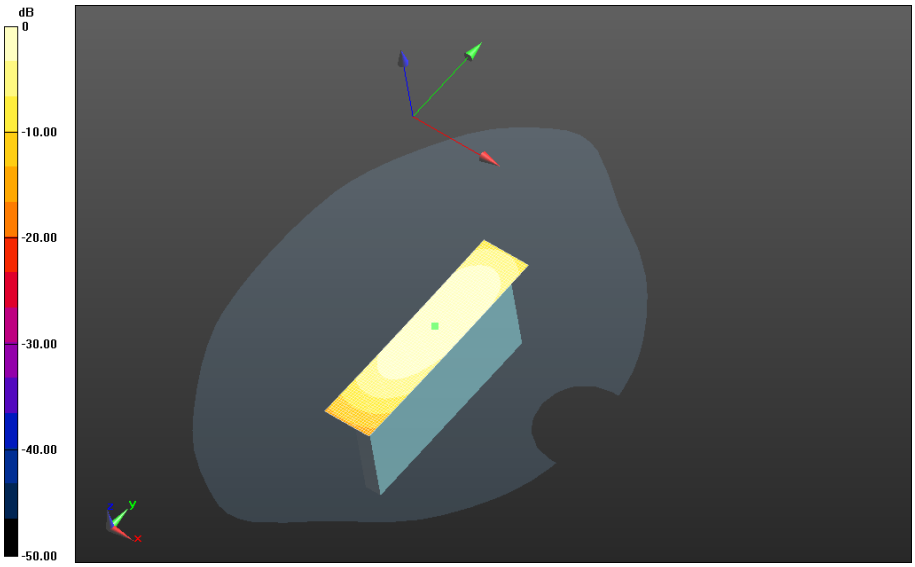
Fast SAR: SAR(1g) = 0.259 W/kg; SAR(10g) = 0.183 W/kg
Maximum value of SAR (interpolated) = 0.294 W/kg



0 dB = 0.296 W/kg = -5.29 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Left - GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.679 V/m; **Power Drift = -0.0049 dB**

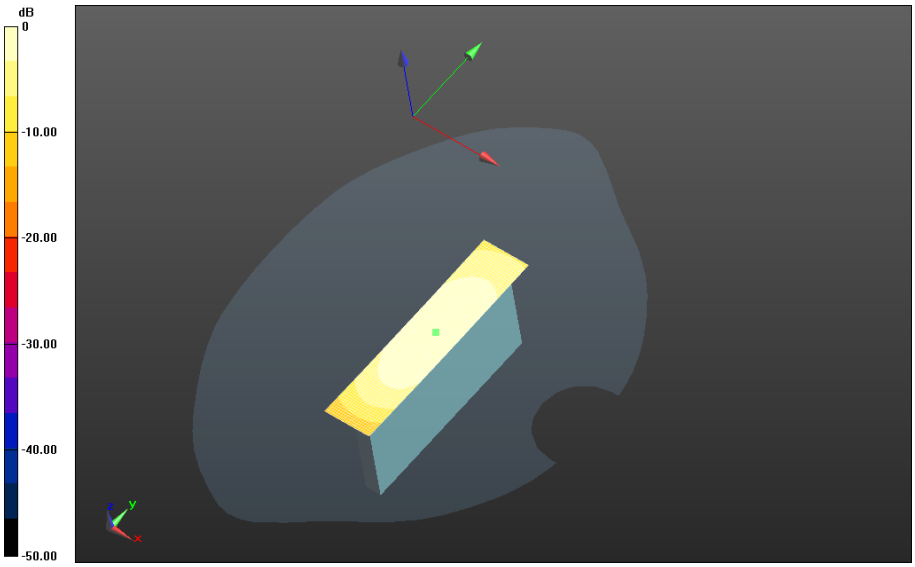
Fast SAR: SAR(1g) = 0.388 W/kg; SAR(10g) = 0.262 W/kg
Maximum value of SAR (interpolated) = 0.445 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Right - GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.115 V/m; **Power Drift = -0.011 dB**

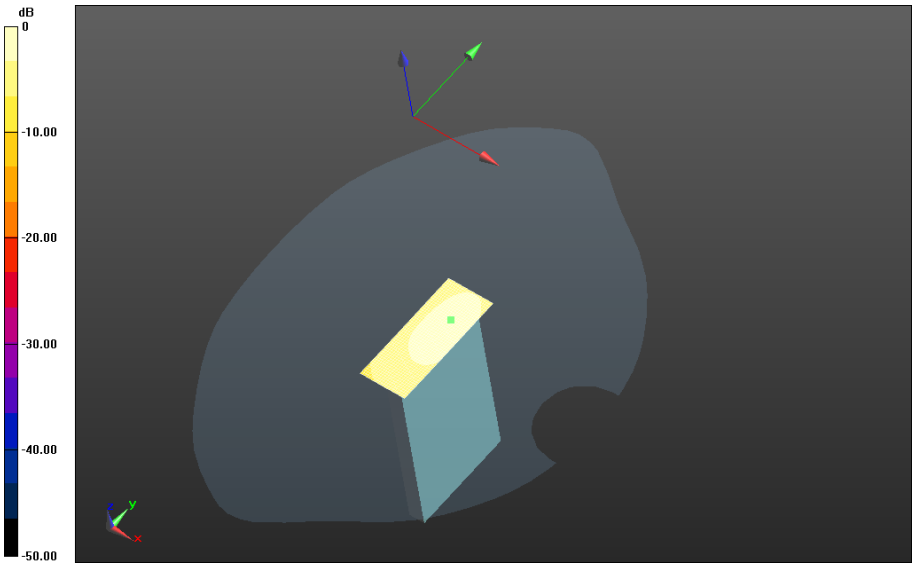
Fast SAR: SAR(1g) = 0.185 W/kg; SAR(10g) = 0.125 W/kg
Maximum value of SAR (interpolated) = 0.213 W/kg



0 dB = 0.445 W/kg = -3.52 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Bottom -GSM850_1-slot_chan128_amb_temp_23.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.555 V/m; **Power Drift = 0.017 dB**

Fast SAR: SAR(1g) = 0.0562 W/kg; SAR(10g) = 0.0363 W/kg
Maximum value of SAR (interpolated) = 0.0736 W/kg



0 dB = 0.213 W/kg = -6.72 dBW/kg

EDGE/GPRS 850 Rev 2

Date: 7/25/2014

Test Lab: BlackBerry RTS
DUT Name: BlackBerry Smartphone R139, Type: Sample, Serial: 2FFEC317

Configuration: Mobile Hot Spot MSL - GPRS 850

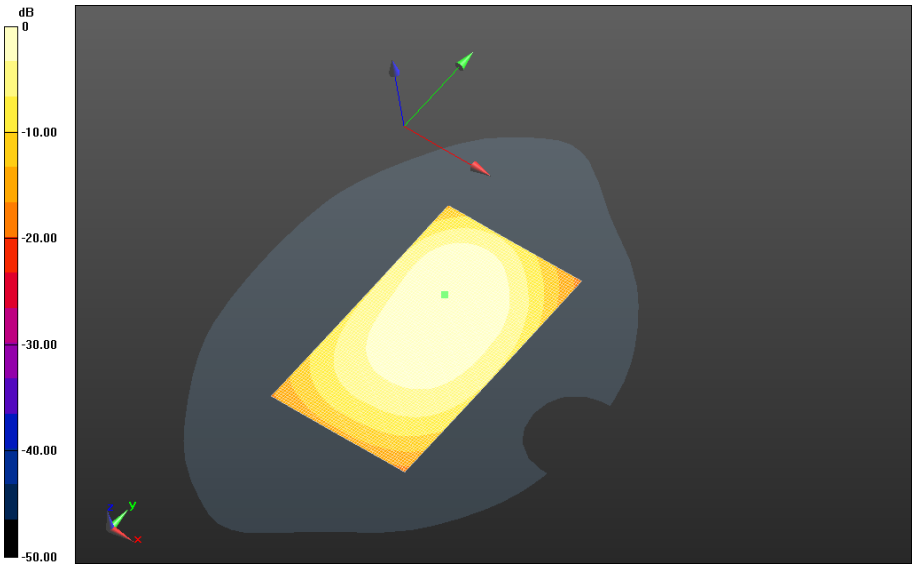
Communication System: GSM 850 (0); Communication System Band: GSM 850; Frequency: 824.2 MHz
Medium Parameters used: f=825 MHz; σ = 0.971 S/m; ε_r = 53.691; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

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

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_1-slot _chan128_amb_temp_22.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.642 V/m; **Power Drift = -0.031 dB**

Fast SAR: SAR(1g) = 0.407 W/kg; SAR(10g) = 0.287 W/kg
Maximum value of SAR (interpolated) = 0.462 W/kg



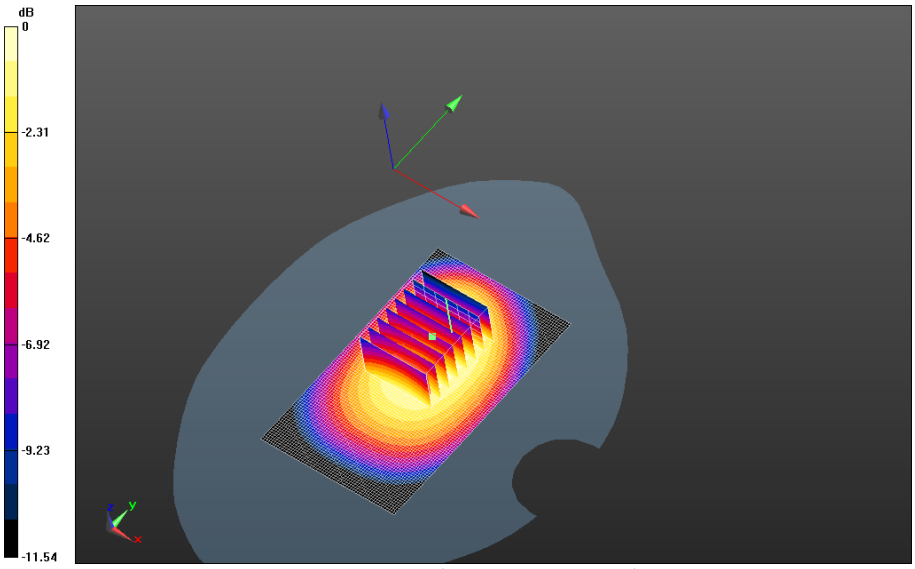
0 dB = 0.462 W/kg = -3.35 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_1-slot _chan190_amb_temp_22.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.517 V/m; **Power Drift = 0.00699 dB**

Fast SAR: SAR(1g) = 0.432 W/kg; SAR(10g) = 0.301 W/kg
Maximum value of SAR (interpolated) = 0.495 W/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_1-slot _chan190_amb_temp_22.8C_liq_temp_21.7C/Zoom Scan (31x36x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 21.517 V/m; **Power Drift = 0.00699 dB**

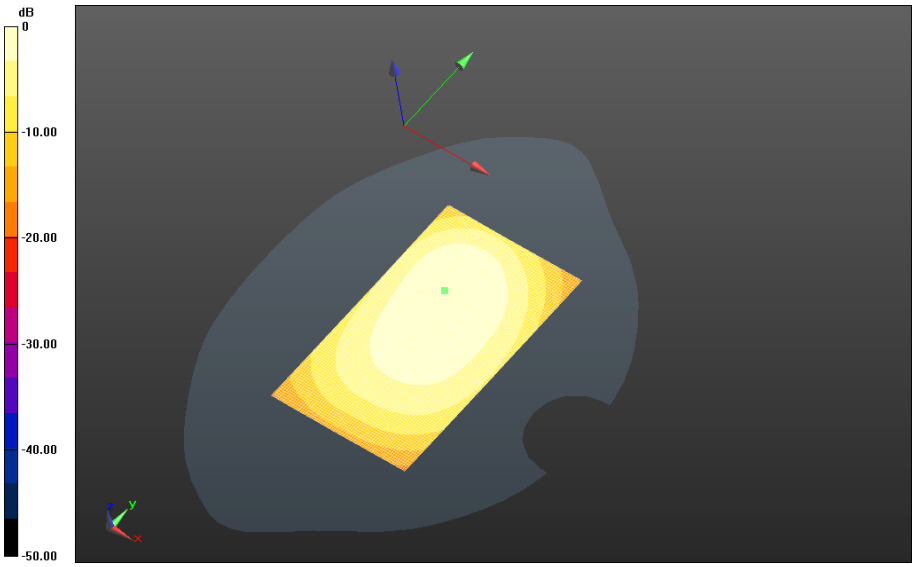
Averaged SAR: SAR(1g) = 0.435 W/kg; SAR(10g) = 0.323 W/kg
Maximum value of SAR (interpolated) = 0.692 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS 850_1-slot _chan251_amb_temp_23.2C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 19.297 V/m; **Power Drift = 0.00104 dB**

Fast SAR: SAR(1g) = 0.377 W/kg; SAR(10g) = 0.259 W/kg
Maximum value of SAR (interpolated) = 0.434 W/kg



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

UMTS Band V

Date: 7/4/2014

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

Configuration: Mobile Hot Spot MSL - UMTS band V

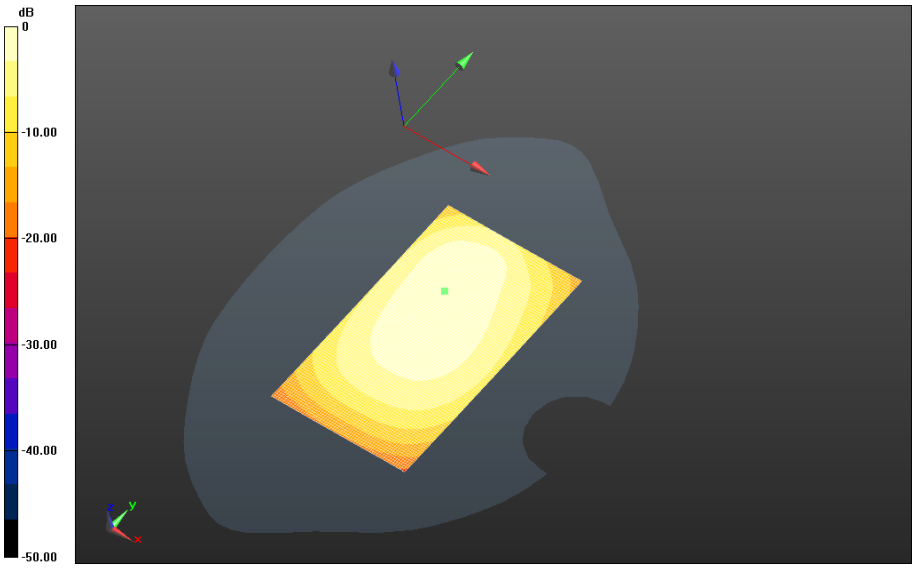
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;
Frequency: 826.4 MHz
Medium Parameters used: f=826.4 MHz; σ = 0.988 S/m; ε_r = 57.599; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

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

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4132_amb_temp_23.9C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.682 V/m; **Power Drift = -0.011 dB**

Fast SAR: SAR(1g) = 0.329 W/kg; SAR(10g) = 0.226 W/kg
Maximum value of SAR (interpolated) = 0.378 W/kg



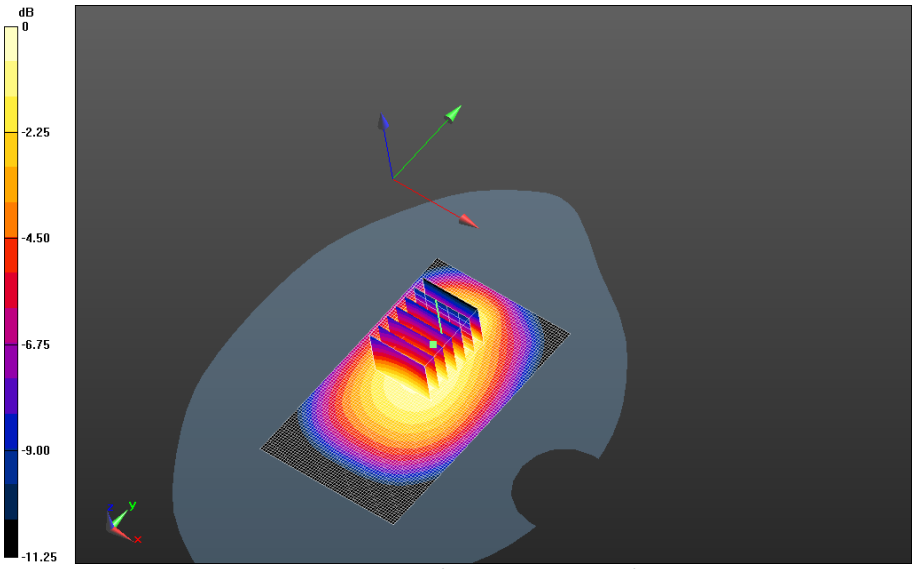
0 dB = 0.378 W/kg = -4.23 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4182_amb_temp_23.9C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.942 V/m; **Power Drift = 0.064 dB**

Fast SAR: SAR(1g) = 0.341 W/kg; SAR(10g) = 0.235 W/kg
Maximum value of SAR (interpolated) = 0.391 W/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4182_amb_temp_23.9C_liq_temp_21.9C/Zoom Scan (26x31x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 17.942 V/m; **Power Drift = 0.064 dB**

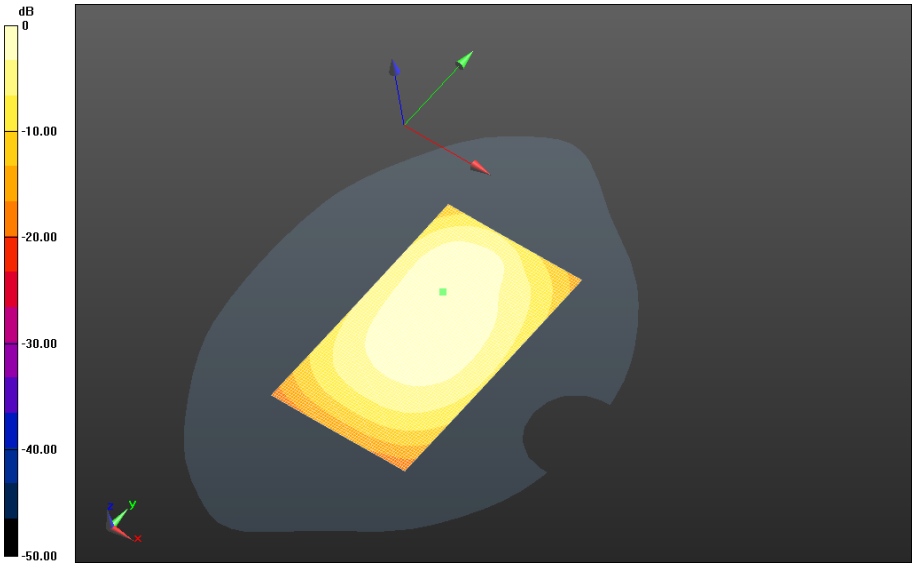
Averaged SAR: SAR(1g) = 0.333 W/kg; SAR(10g) = 0.238 W/kg
Maximum value of SAR (interpolated) = 0.534 W/kg



0 dB = 0.378 W/kg = -4.23 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4233_amb_temp_24.0C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.956 V/m; **Power Drift = 0.032 dB**

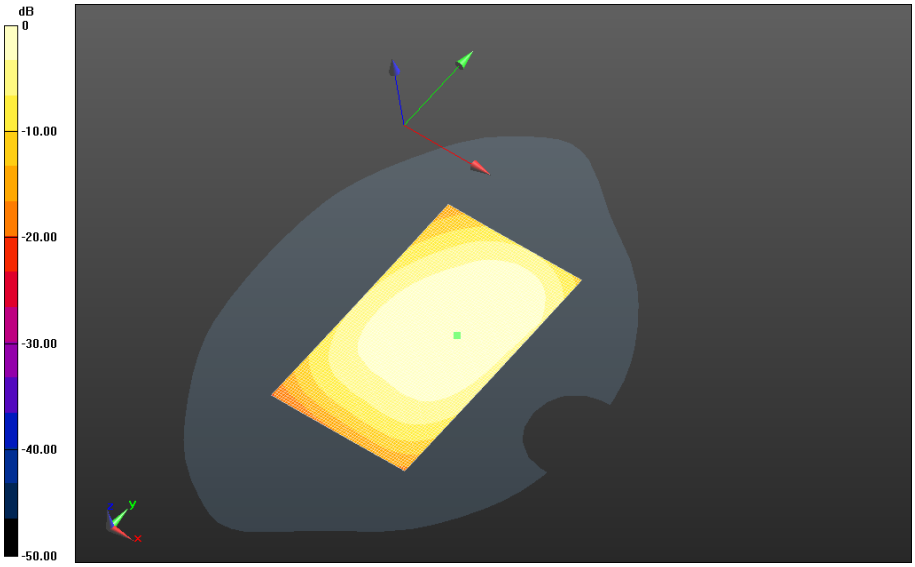
Fast SAR: SAR(1g) = 0.321 W/kg; SAR(10g) = 0.222 W/kg
Maximum value of SAR (interpolated) = 0.367 W/kg



0 dB = 0.383 W/kg = -4.17 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Front - 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 = 16.190 V/m; **Power Drift = 0.062 dB**

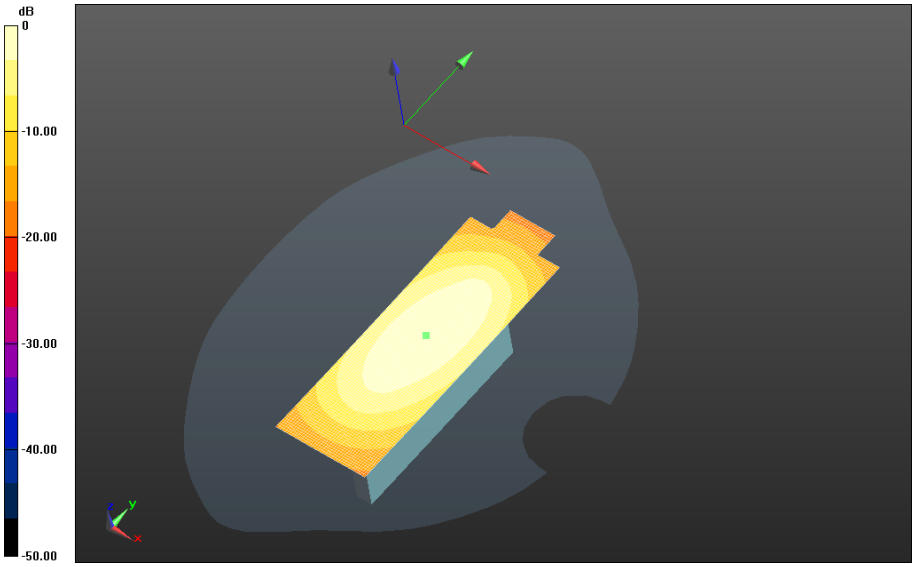
Fast SAR: SAR(1g) = 0.246 W/kg; SAR(10g) = 0.173 W/kg
Maximum value of SAR (interpolated) = 0.279 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Left - UMTS band V_chan4182_amb_temp_23.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.762 V/m; **Power Drift = 0.078 dB**

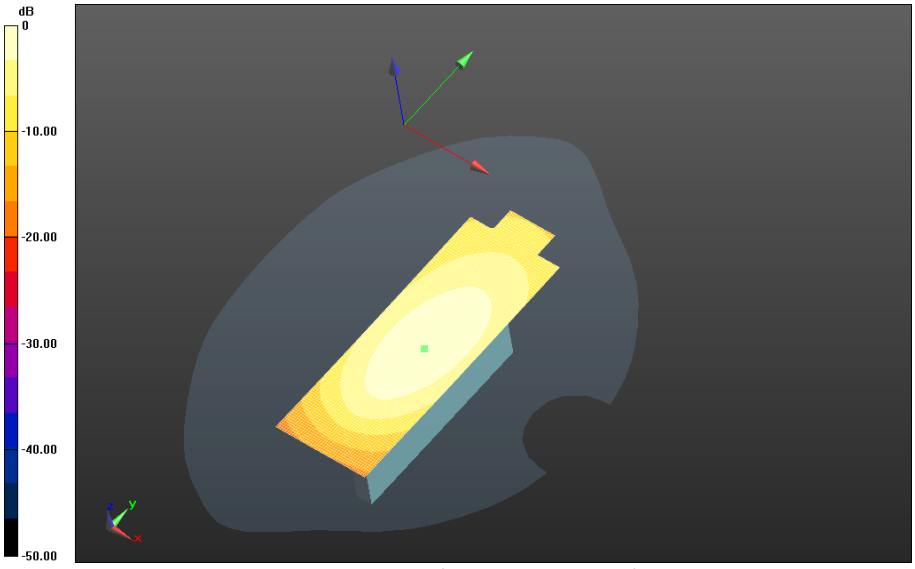
Fast SAR: SAR(1g) = 0.363 W/kg; SAR(10g) = 0.242 W/kg
Maximum value of SAR (interpolated) = 0.419 W/kg



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

Mobile Hot Spot MSL - UMTS band V/10mm Device Right -UMTS band V_chan4182_amb_temp_23.9C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.430 V/m; **Power Drift = 0.00558 dB**

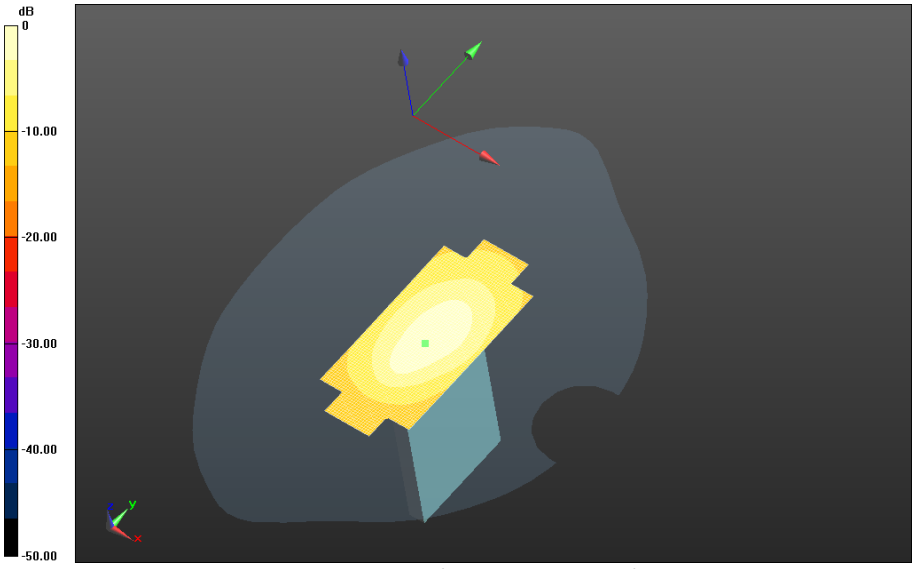
Fast SAR: SAR(1g) = 0.147 W/kg; SAR(10g) = 0.0989 W/kg
Maximum value of SAR (interpolated) = 0.170 W/kg



0 dB = 0.419 W/kg = -3.78 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Bottom -UMTS band V_chan4182amb_temp_23.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.018 V/m; **Power Drift = 0.028 dB**

Fast SAR: SAR(1g) = 0.125 W/kg; SAR(10g) = 0.0767 W/kg
Maximum value of SAR (interpolated) = 0.151 W/kg



0 dB = 0.170 W/kg = -7.70 dBW/kg

UMTS Band V Rev 2

Date: 7/25/2014

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

Configuration: Mobile Hot Spot MSL - UMTS band V

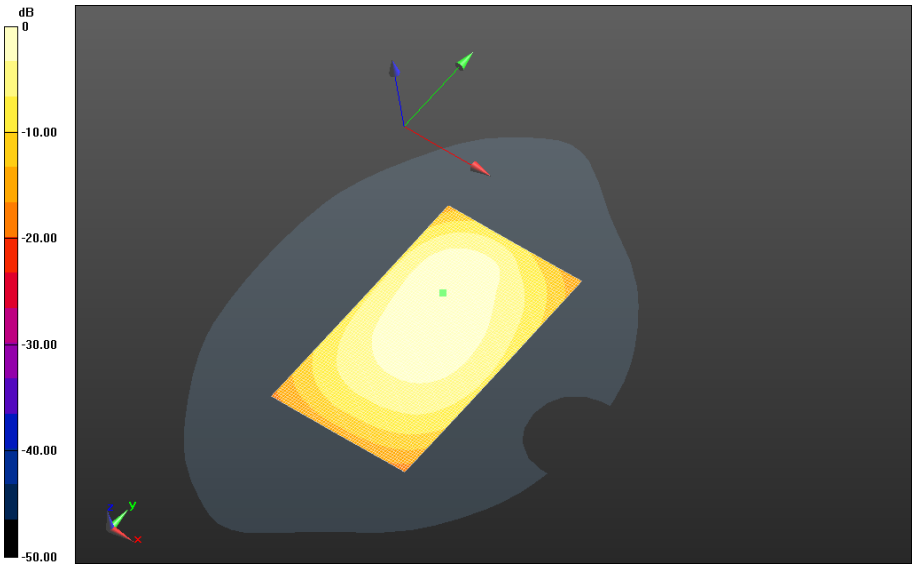
Communication System: WCDMA FDD V (0); Communication System Band: UMTS band V;
Frequency: 826.4 MHz
Medium Parameters used: f=826.4 MHz; σ = 0.973 S/m; ε_r = 53.680; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

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

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4132_amb_temp_22.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 29.119 V/m; **Power Drift = 0.010 dB**

Fast SAR: SAR(1g) = 0.863 W/kg; SAR(10g) = 0.589 W/kg
Maximum value of SAR (interpolated) = 0.995 W/kg



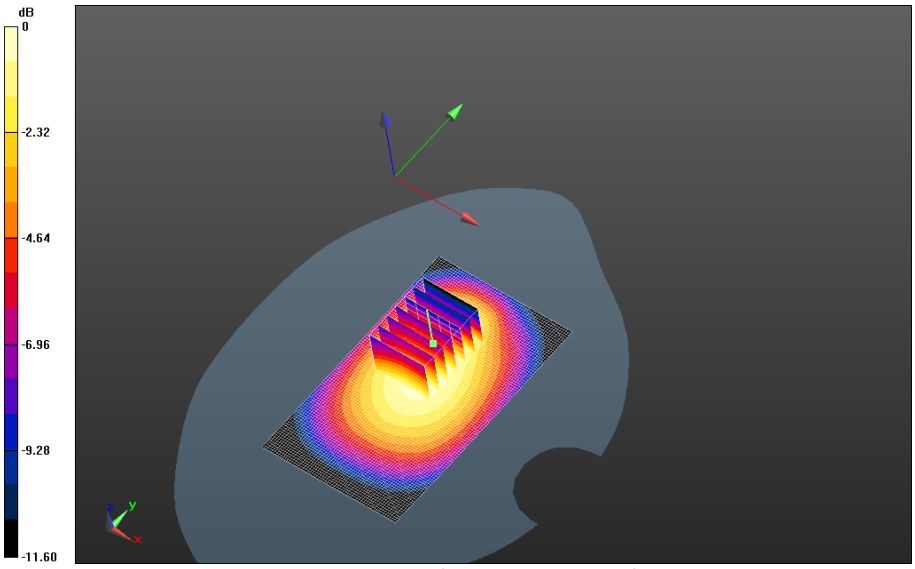
0 dB = 0.995 W/kg = -0.02 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4182_amb_temp_22.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 30.348 V/m; **Power Drift = -0.00532 dB**

Fast SAR: SAR(1g) = 0.877 W/kg; SAR(10g) = 0.604 W/kg
Maximum value of SAR (interpolated) = 1.00 W/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4182_amb_temp_22.8C_liq_temp_21.8C/Zoom Scan (26x31x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 30.348 V/m; **Power Drift = -0.00532 dB**

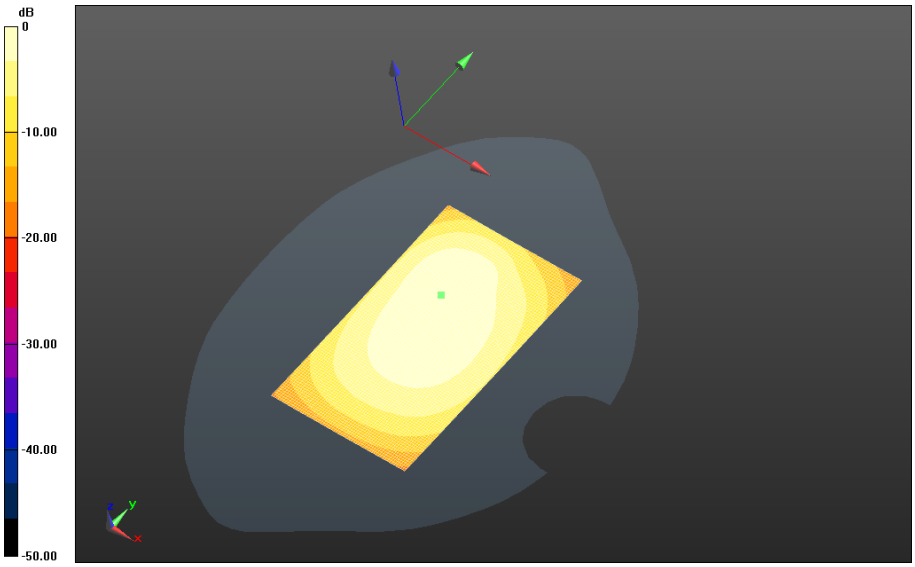
Averaged SAR: SAR(1g) = 0.852 W/kg; SAR(10g) = 0.613 W/kg
Maximum value of SAR (interpolated) = 1.29 W/kg



0 dB = 0.995 W/kg = -0.02 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS band V_chan4233_amb_temp_22.8C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 28.779 V/m; **Power Drift = -0.000967 dB**

Fast SAR: SAR(1g) = 0.805 W/kg; SAR(10g) = 0.552 W/kg
Maximum value of SAR (interpolated) = 0.925 W/kg



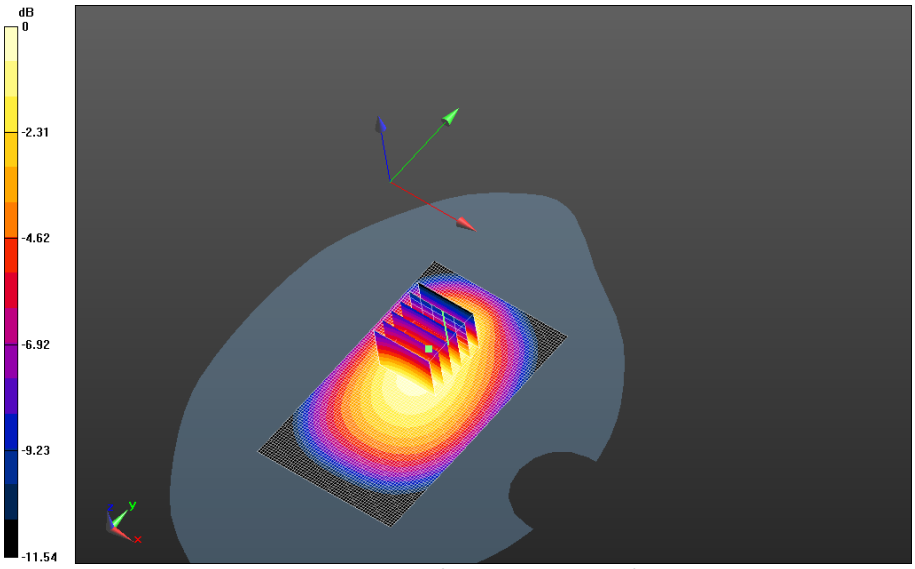
0 dB = 0.973 W/kg = -0.12 dBW/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back 2nd Scan - UMTS band V_chan4132_amb_temp_22.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 28.823 V/m; **Power Drift = -0.00255 dB**

Fast SAR: SAR(1g) = 0.839 W/kg; SAR(10g) = 0.576 W/kg
Maximum value of SAR (interpolated) = 0.961 W/kg

Mobile Hot Spot MSL - UMTS band V/10mm Device Back 2nd Scan - UMTS band V_chan4132_amb_temp_22.8C_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 = 28.823 V/m; **Power Drift = -0.00255 dB**

Averaged SAR: SAR(1g) = 0.829 W/kg; SAR(10g) = 0.584 W/kg
Maximum value of SAR (interpolated) = 1.32 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

GPRS 1900

Date: 7/10/2014

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

Configuration: Mobile Hot Spot MSL - GPRS 1900

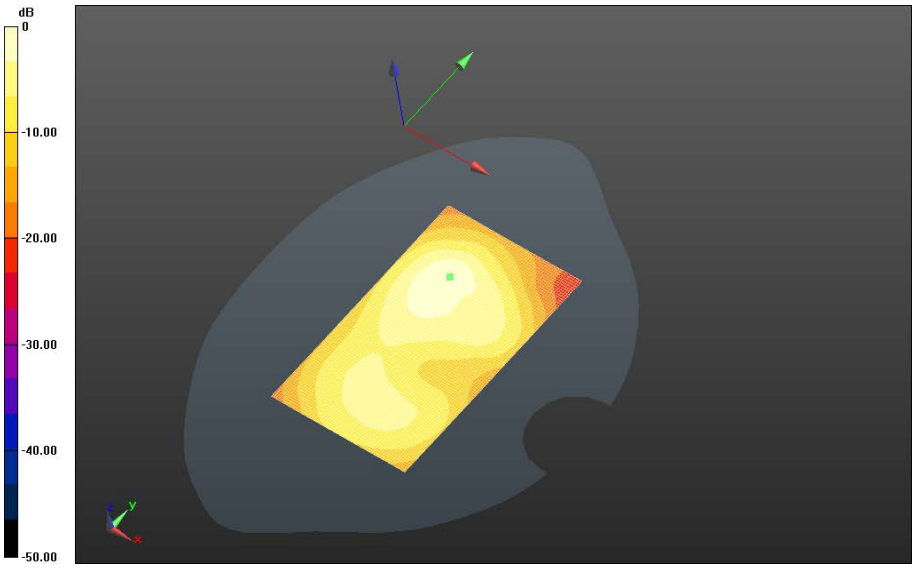
Communication System: GSM 1900 (0); Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.496 S/m; ε_r = 50.779; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

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

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_1-slot _chan661_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.698 V/m; **Power Drift = -0.082 dB**

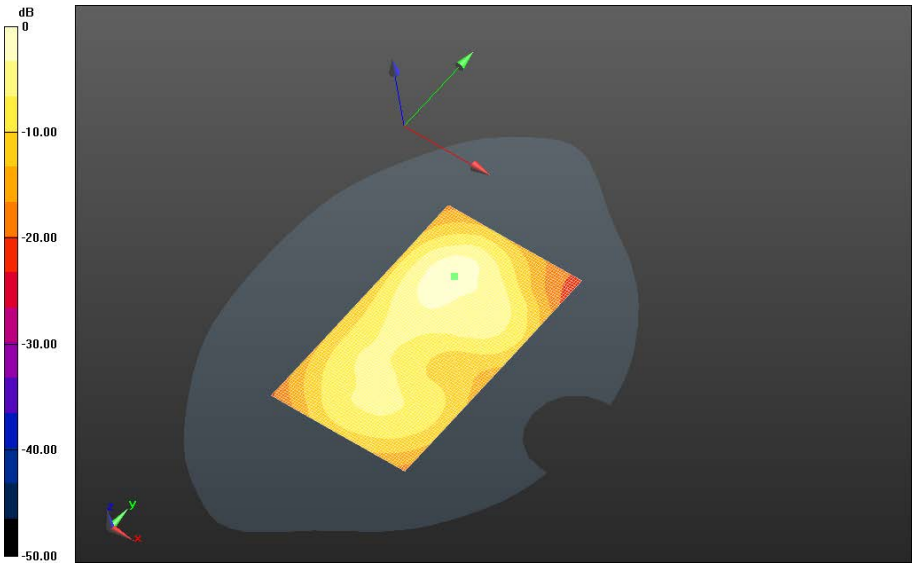
Fast SAR: SAR(1g) = 0.432 W/kg; SAR(10g) = 0.242 W/kg
Maximum value of SAR (interpolated) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_2-slot _chan512_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.523 V/m; **Power Drift = 0.037 dB**

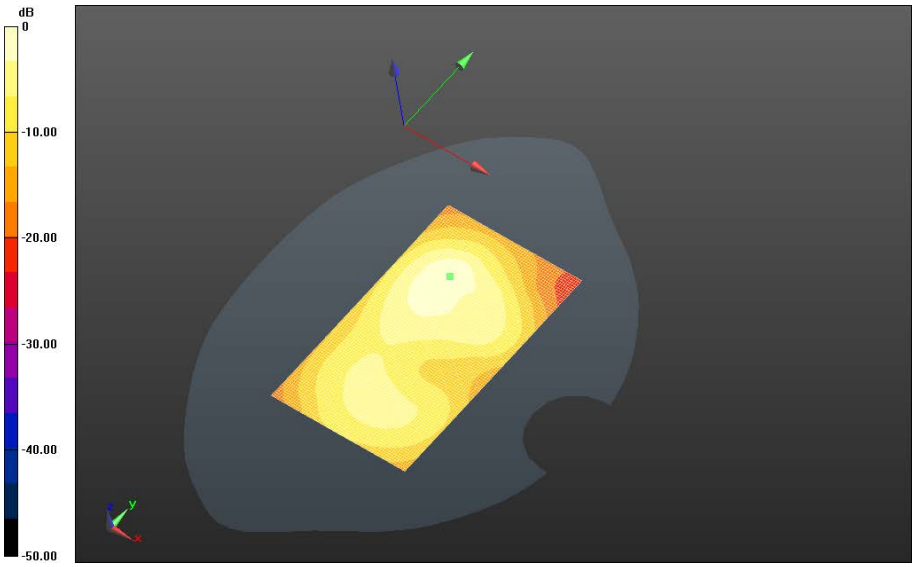
Fast SAR: SAR(1g) = 0.841 W/kg; SAR(10g) = 0.446 W/kg
Maximum value of SAR (interpolated) = 1.10 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_2-slot _chan661_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.793 V/m; **Power Drift = -0.244 dB**

Fast SAR: SAR(1g) = 0.785 W/kg; SAR(10g) = 0.438 W/kg
Maximum value of SAR (interpolated) = 1.04 W/kg



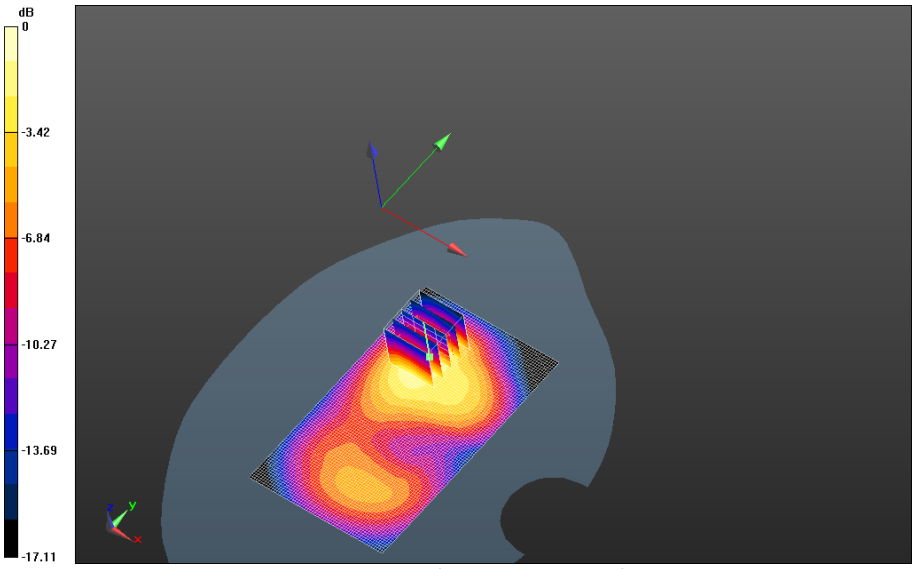
0 dB = 1.10 W/kg = 0.41 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_2-slot _chan810_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.183 V/m; **Power Drift = -0.049 dB**

Fast SAR: SAR(1g) = 0.906 W/kg; SAR(10g) = 0.482 W/kg
Maximum value of SAR (interpolated) = 1.19 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_2-slot _chan810_amb_temp_22.8C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.183 V/m; **Power Drift = -0.049 dB**

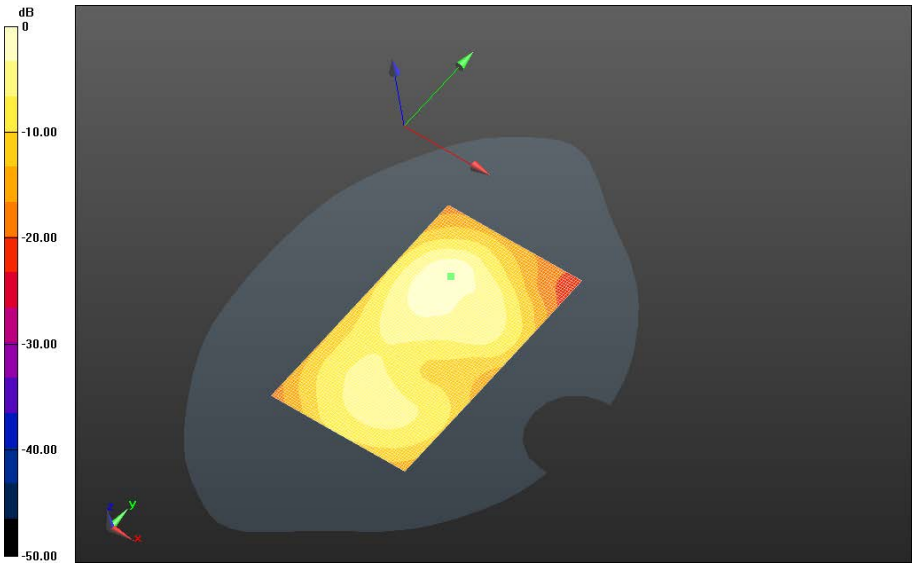
Averaged SAR: SAR(1g) = 0.857 W/kg; SAR(10g) = 0.461 W/kg
Maximum value of SAR (interpolated) = 1.58 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_3-slot _chan661_amb_temp_22.9C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.231 V/m; **Power Drift = -0.190 dB**

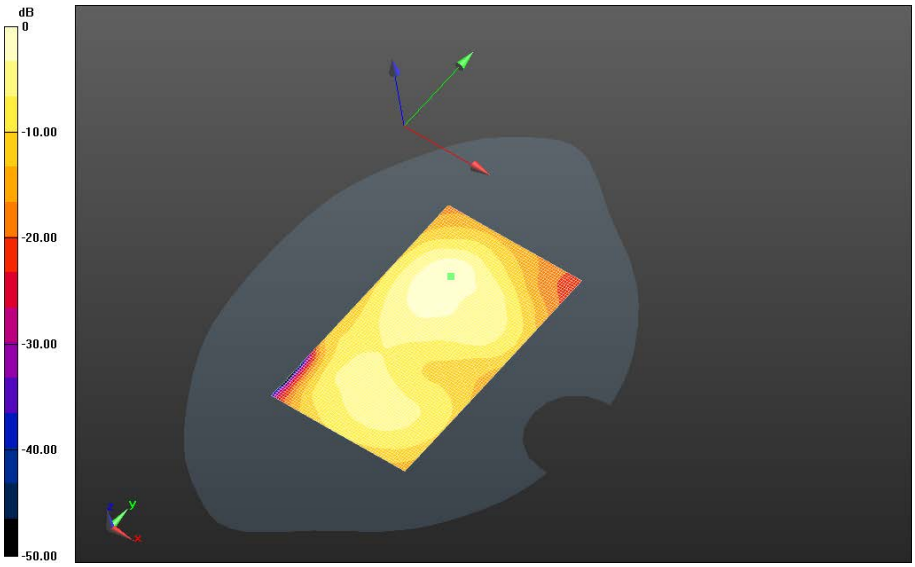
Fast SAR: SAR(1g) = 0.592 W/kg; SAR(10g) = 0.331 W/kg
Maximum value of SAR (interpolated) = 0.781 W/kg



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

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS 1900_4-slot _chan661_amb_temp_22.8C_liq_temp_22.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.679 V/m; **Power Drift = 0.104 dB**

Fast SAR: SAR(1g) = 0.631 W/kg; SAR(10g) = 0.354 W/kg
Maximum value of SAR (interpolated) = 0.824 W/kg



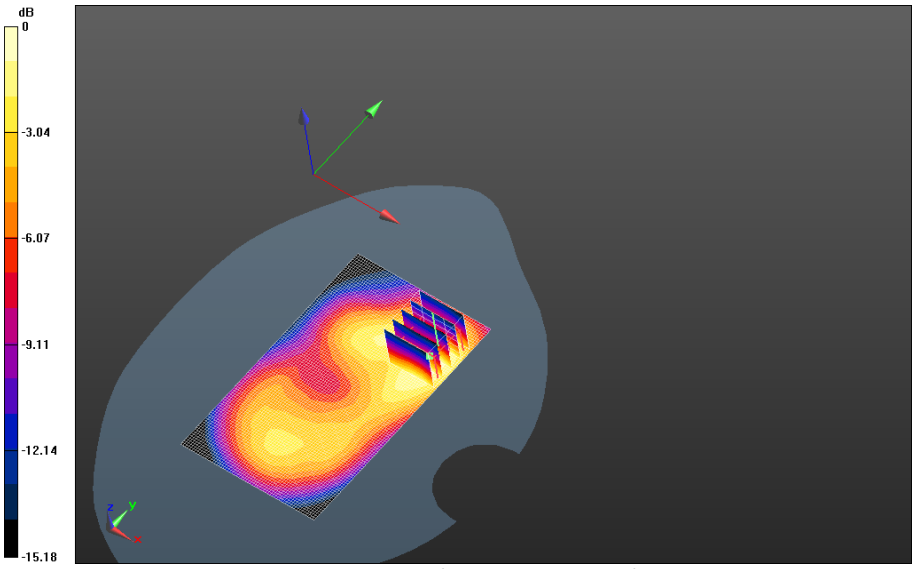
0 dB = 0.781 W/kg = -1.07 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Front - GPRS 1900_2-slot _chan190_amb_temp_22.8C_liq_temp_21.9/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.851 V/m; **Power Drift = 0.123 dB**

Fast SAR: SAR(1g) = 0.451 W/kg; SAR(10g) = 0.260 W/kg
Maximum value of SAR (interpolated) = 0.555 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Front - GPRS 1900_2-slot _chan190_amb_temp_22.8C_liq_temp_21.9/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.851 V/m; **Power Drift = 0.123 dB**

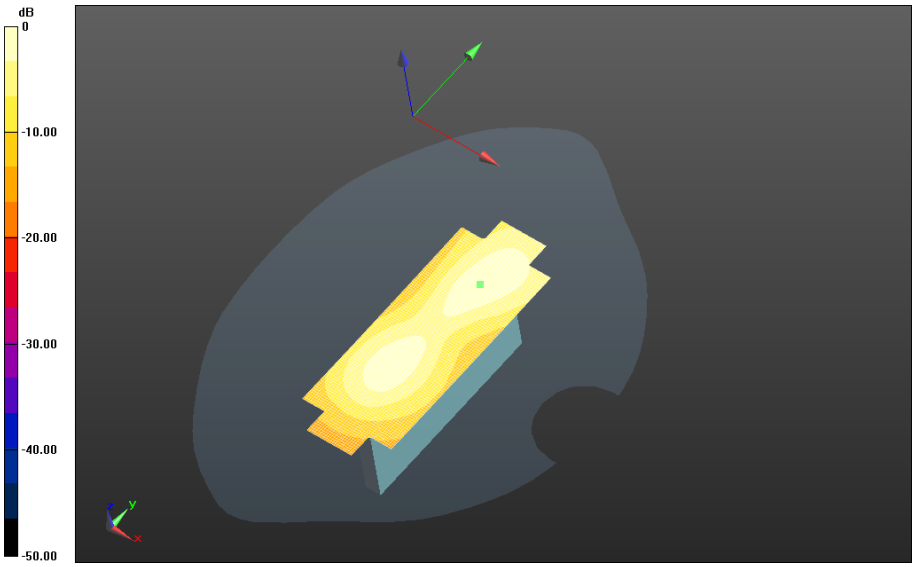
Averaged SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.258 W/kg
Maximum value of SAR (interpolated) = 0.798 W/kg



0 dB = 0.824 W/kg = -0.84 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Left - GPRS 1900_2-slot _chan661_amb_temp_22.8C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.536 V/m; **Power Drift = 0.00151 dB**

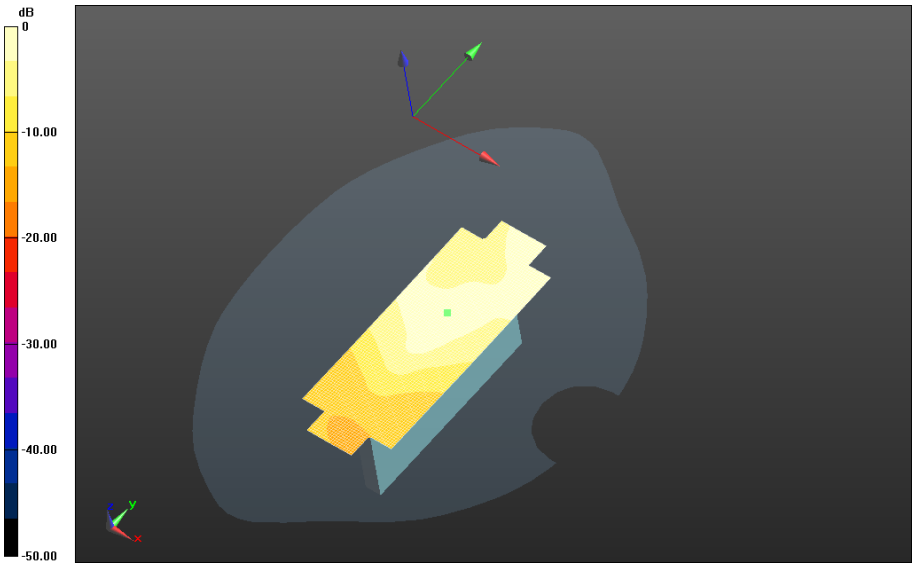
Fast SAR: SAR(1g) = 0.241 W/kg; SAR(10g) = 0.133 W/kg
Maximum value of SAR (interpolated) = 0.306 W/kg



0 dB = 0.545 W/kg = -2.64 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Right -GPRS 1900_2-slot _chan661_amb_temp_22.8C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.879 V/m; **Power Drift = -0.120 dB**

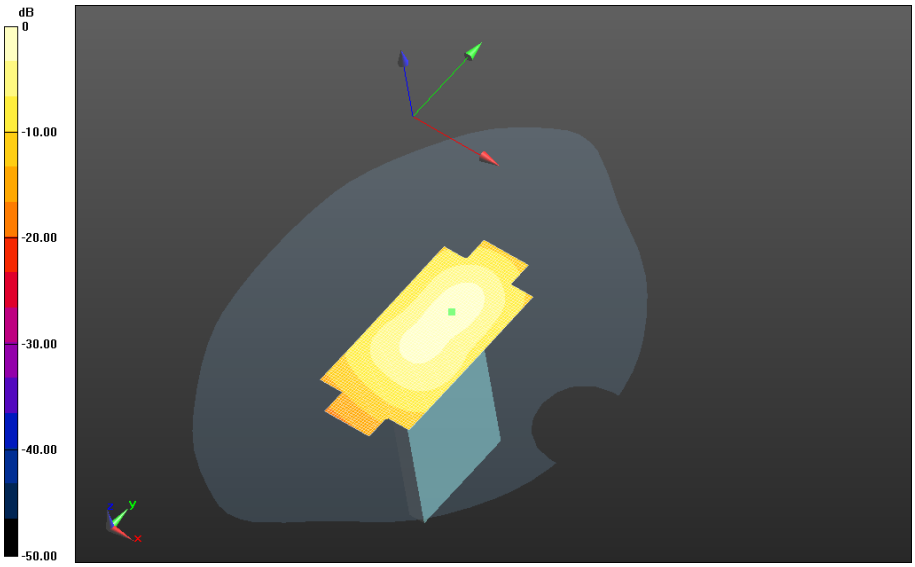
Fast SAR: SAR(1g) = 0.0354 W/kg; SAR(10g) = 0.0198 W/kg
Maximum value of SAR (interpolated) = 0.0439 W/kg



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

Mobile Hot Spot MSL - GPRS 1900/10mm Device Bottom -GPRS 1900_2-slot _chan661_amb_temp_22.8C_liq_temp_21.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.020 V/m; **Power Drift = 0.00312 dB**

Fast SAR: SAR(1g) = 0.288 W/kg; SAR(10g) = 0.154 W/kg
Maximum value of SAR (interpolated) = 0.366 W/kg



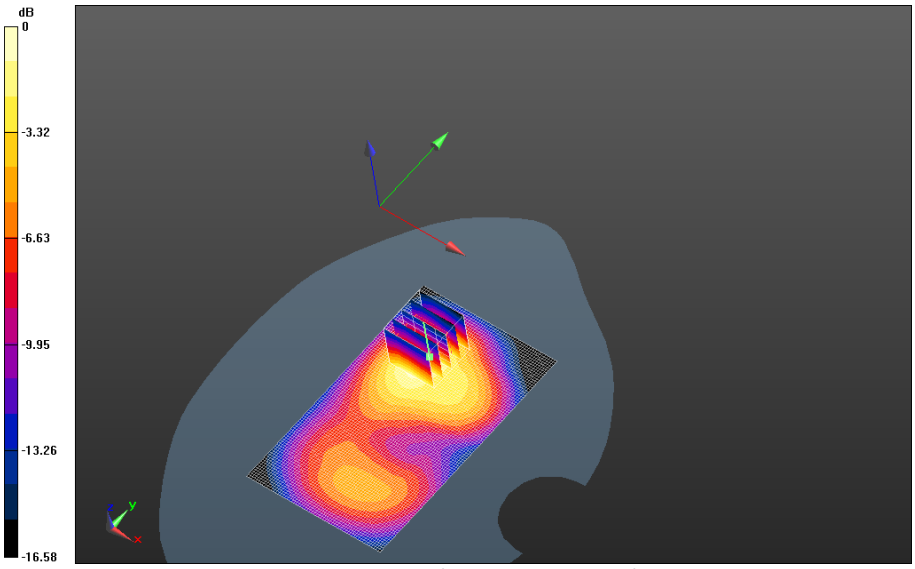
0 dB = 0.0439 W/kg = -13.58 dBW/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back 2nd scan - GPRS 1900_2-slot _chan810_amb_temp_22.9C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.204 V/m; **Power Drift = -0.134 dB**

Fast SAR: SAR(1g) = 0.895 W/kg; SAR(10g) = 0.478 W/kg
Maximum value of SAR (interpolated) = 1.18 W/kg

Mobile Hot Spot MSL - GPRS 1900/10mm Device Back 2nd scan - GPRS 1900_2-slot _chan810_amb_temp_22.9C_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 = 11.204 V/m; **Power Drift = -0.134 dB**

Averaged SAR: SAR(1g) = 0.852 W/kg; SAR(10g) = 0.458 W/kg
Maximum value of SAR (interpolated) = 1.56 W/kg



0 dB = 0.366 W/kg = -4.37 dBW/kg

UMTS Band II

Date: 7/9/2014

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

Configuration: Mobile Hot Spot MSL - UMTS Band II

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

DASY Configuration:

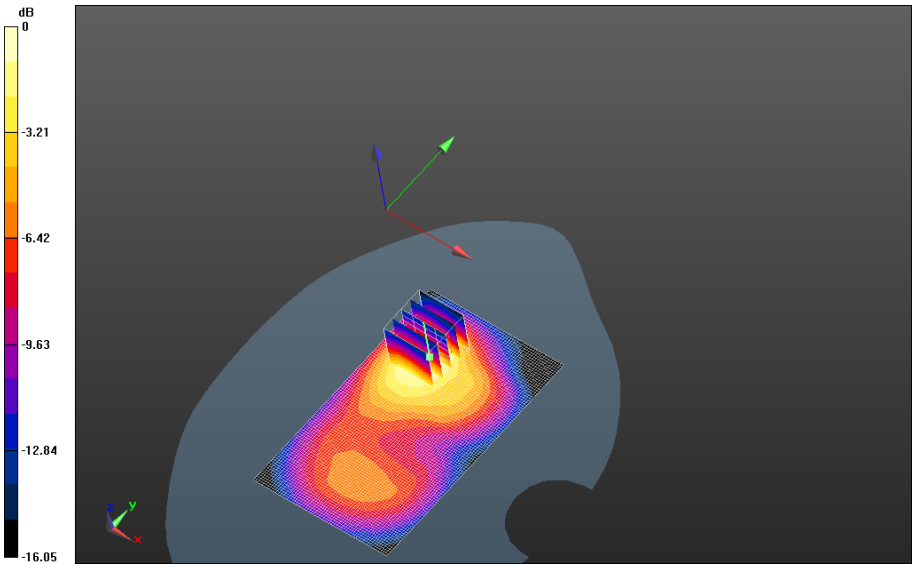
- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back -UMTS Band II_chan9262_amb_temp_22.9C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.183 V/m; **Power Drift = 0.075 dB**

Fast SAR: SAR(1g) = 1.20 W/kg; SAR(10g) = 0.673 W/kg
Maximum value of SAR (interpolated) = 1.51 W/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back -UMTS Band II_chan9262_amb_temp_22.9C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.183 V/m; **Power Drift = 0.075 dB**

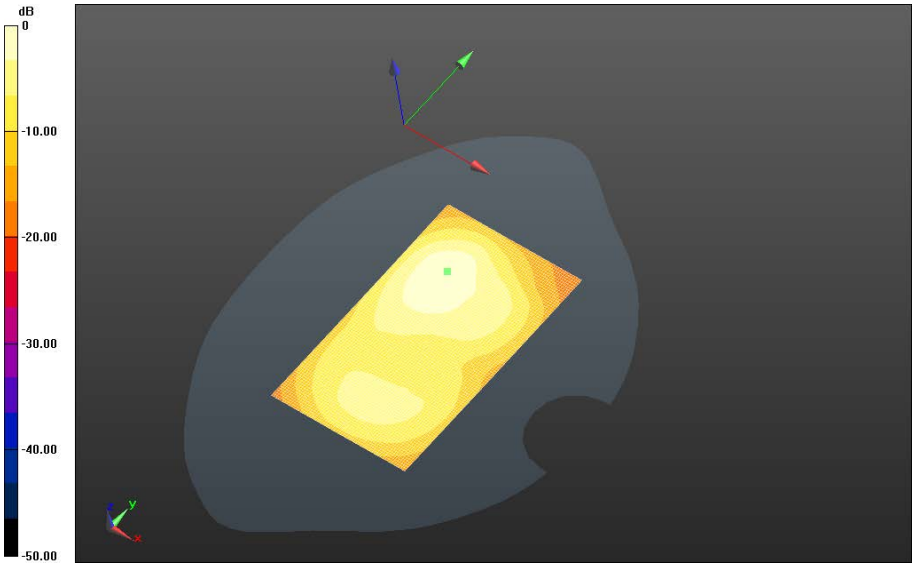
Averaged SAR: SAR(1g) = 1.18 W/kg; SAR(10g) = 0.650 W/kg
Maximum value of SAR (interpolated) = 2.04 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back -UMTS Band II_chan9400_amb_temp_22.9C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.328 V/m; **Power Drift = 0.023 dB**

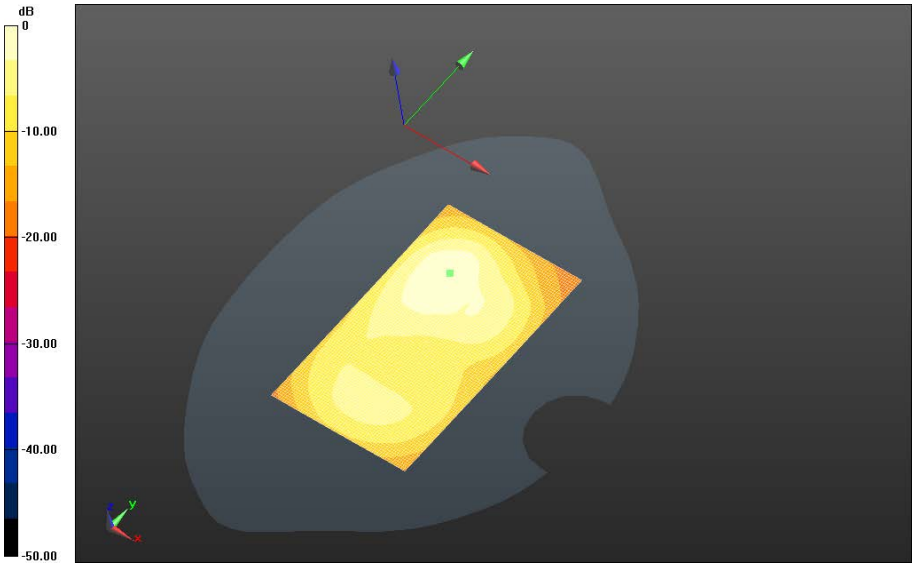
Fast SAR: SAR(1g) = 1.09 W/kg; SAR(10g) = 0.618 W/kg
Maximum value of SAR (interpolated) = 1.38 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back -UMTS Band II_chan9538_amb_temp_22.9C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.374 V/m; **Power Drift = 0.092 dB**

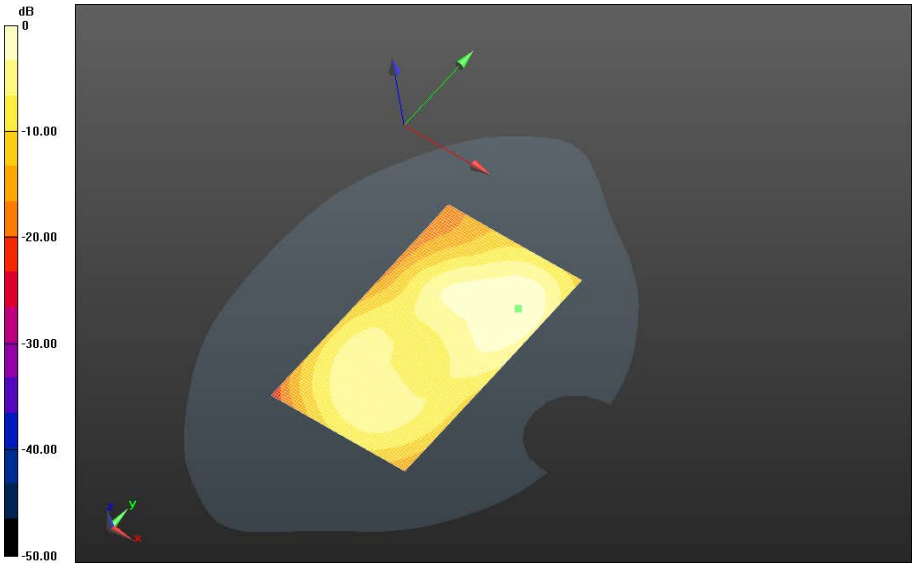
Fast SAR: SAR(1g) = 1.16 W/kg; SAR(10g) = 0.655 W/kg
Maximum value of SAR (interpolated) = 1.47 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Front -UMTS Band II_chan9400_amb_temp_22.8C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.611 V/m; **Power Drift = 0.012 dB**

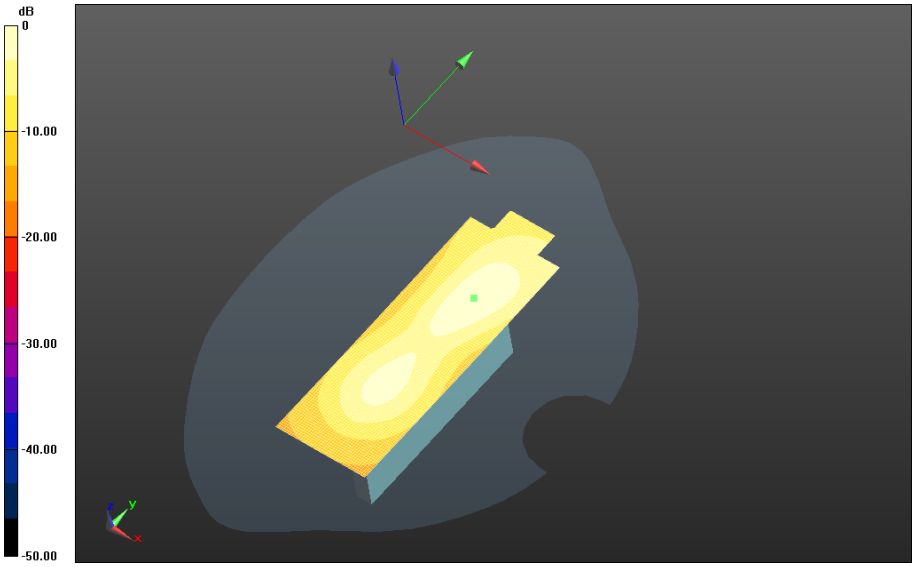
Fast SAR: SAR(1g) = 0.889 W/kg; SAR(10g) = 0.494 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 1.12 W/kg



0 dB = 1.47 W/kg = 1.67 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Left -UMTS Band II_chan9400_amb_temp_23.4C_liq_temp_21.2C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.222 V/m; **Power Drift = -0.020 dB**

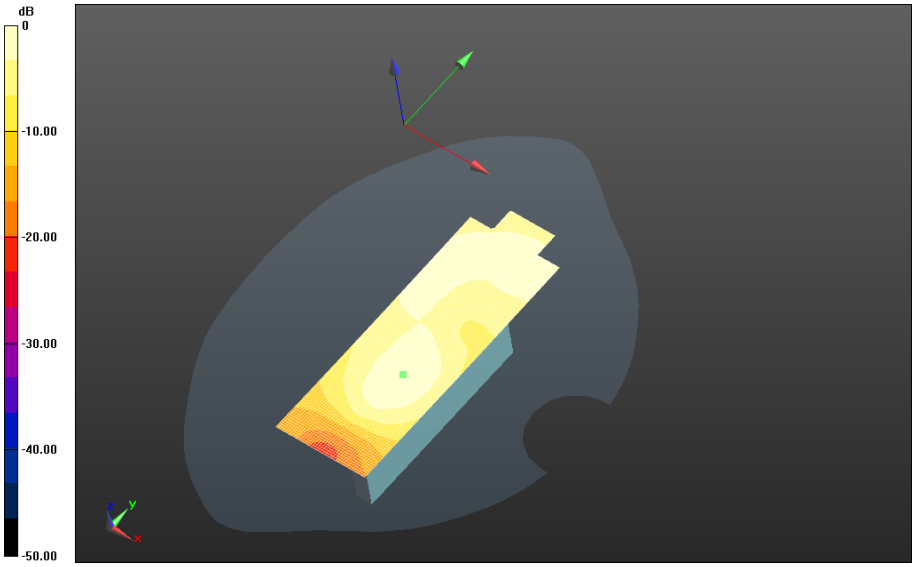
Fast SAR: SAR(1g) = 0.303 W/kg; SAR(10g) = 0.174 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 0.409 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Right -UMTS Band II_chan9400_amb_temp_23.1C_liq_temp_22.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.901 V/m; **Power Drift = 0.016 dB**

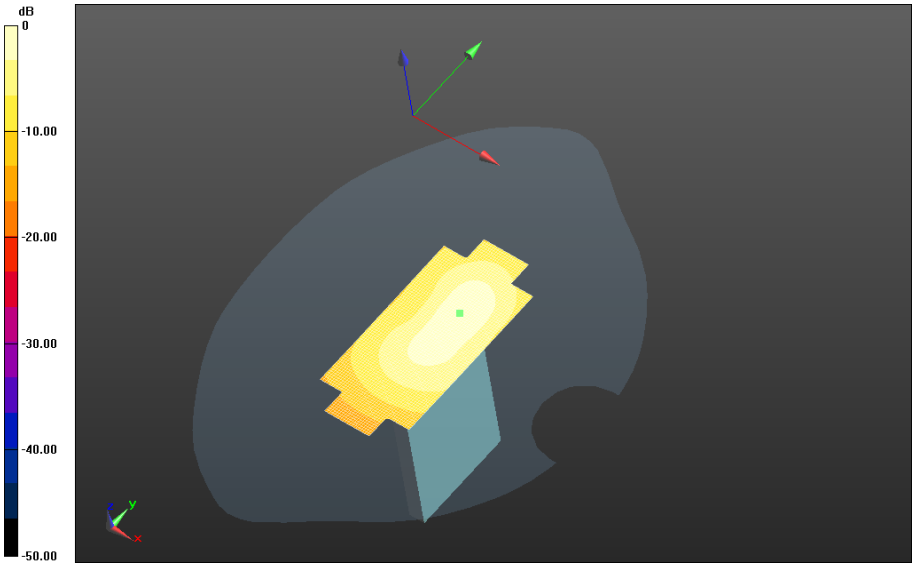
Fast SAR: SAR(1g) = 0.0770 W/kg; SAR(10g) = 0.0451 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 0.0980 W/kg



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

Mobile Hot Spot MSL - UMTS Band II/10mm Device Bottom -UMTS Band II_chan9400_amb_temp_23.0C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.377 V/m; **Power Drift = 0.165 dB**

Fast SAR: SAR(1g) = 0.510 W/kg; SAR(10g) = 0.283 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 0.649 W/kg



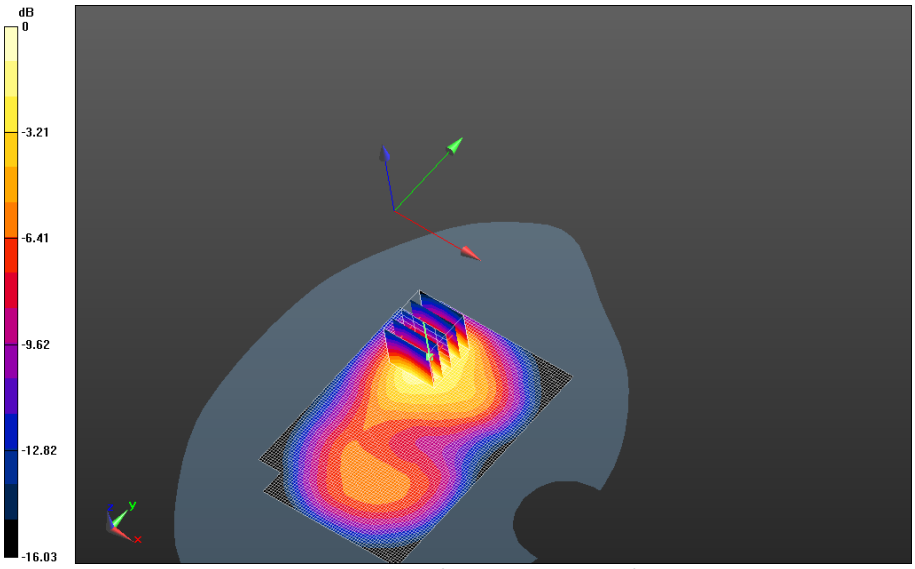
0 dB = 0.0980 W/kg = -10.09 dBW/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back 2nd Scan -UMTS Band II_chan9262_amb_temp_23.1C_liq_temp_21.1C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.355 V/m; **Power Drift = 0.064 dB**

Fast SAR: SAR(1g) = 1.15 W/kg; SAR(10g) = 0.622 W/kg; Secondary SAR(1g) = 0.566 W/kg
Maximum value of SAR (interpolated) = 1.47 W/kg

Mobile Hot Spot MSL - UMTS Band II/10mm Device Back 2nd Scan -UMTS Band II_chan9262_amb_temp_23.1C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.355 V/m; **Power Drift = 0.064 dB**

Averaged SAR: SAR(1g) = 1.16 W/kg; SAR(10g) = 0.647 W/kg
Maximum value of SAR (interpolated) = 2.00 W/kg



0 dB = 0.649 W/kg = -1.88 dBW/kg

Date: 7/29/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEB30D

Configuration: Mobile Hot Spot MSL - UMTS Band II (2)

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz

Medium Parameters used: f=1852.4 MHz; σ = 1.475 S/m; ε_r = 50.859; ρ = 1.000 g/cm^3

Phantom section: Flat Section

DASY Configuration:

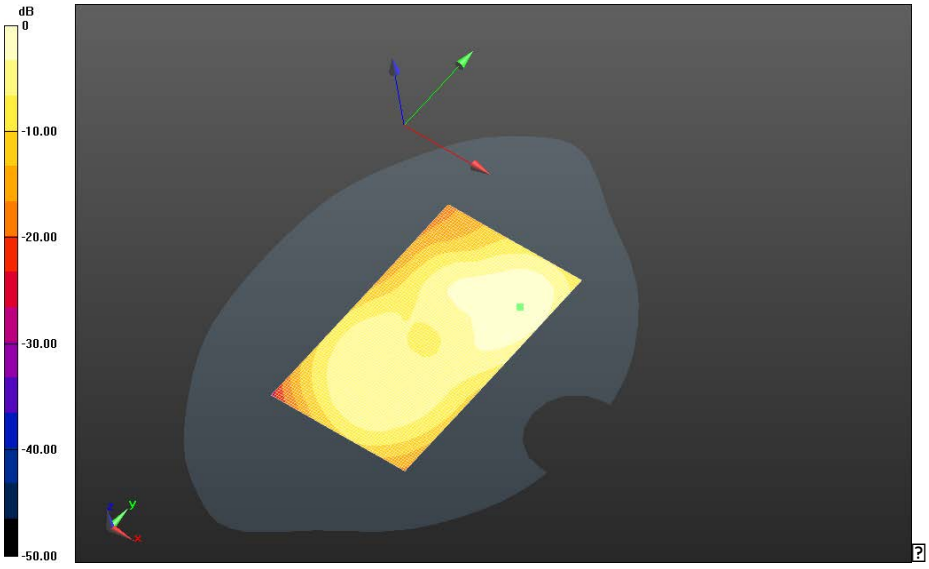
- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Mobile Hot Spot MSL - UMTS Band II (2)/10mm Device Front -UMTS Band II_chan9262_amb_temp_23.7C_liq_temp_22.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.221 V/m; **Power Drift = 0.126 dB**

Fast SAR: SAR(1g) = 0.771 W/kg; SAR(10g) = 0.437 W/kg

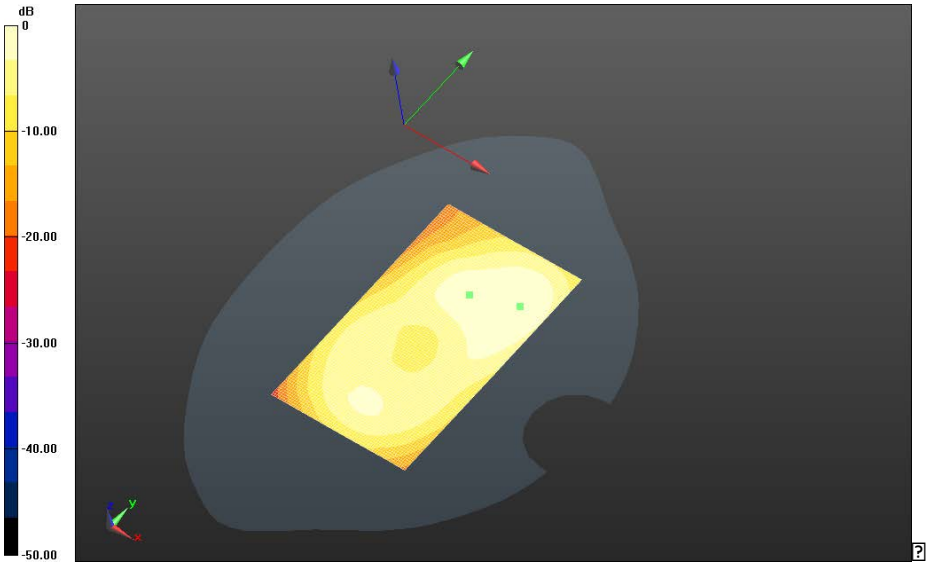
Maximum value of SAR (interpolated) = 0.949 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

Mobile Hot Spot MSL - UMTS Band II (2)/10mm Device Front -UMTS Band II_chan9538_amb_temp_23.7C_liq_temp_22.9C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.531 V/m; **Power Drift = 0.139 dB**

Fast SAR: SAR(1g) = 0.738 W/kg; SAR(10g) = 0.420 W/kg; Secondary SAR(1g) = 0.531 W/kg
Maximum value of SAR (interpolated) = 0.918 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

802.11b

Date: 7/18/2014

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

Configuration: Mobile Hot Spot MSL - 802.11b

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

DASY Configuration:

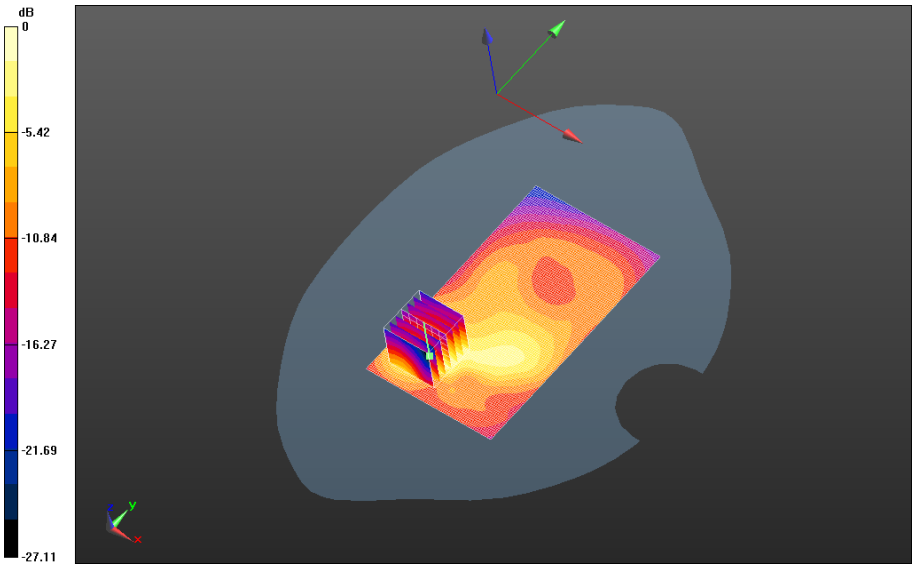
- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.7(1137); SEMCAD X Version 14.6.10 (7164)

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan1_amb_temp_24.2C_liq_temp_22.8C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.544 V/m; **Power Drift = 0.028 dB**

Fast SAR: SAR(1g) = 0.298 W/kg; SAR(10g) = 0.135 W/kg
Maximum value of SAR (interpolated) = 0.432 W/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan1_amb_temp_24.2C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.544 V/m; **Power Drift = 0.028 dB**

Averaged SAR: SAR(1g) = 0.307 W/kg; SAR(10g) = 0.142 W/kg
Maximum value of SAR (interpolated) = 0.638 W/kg



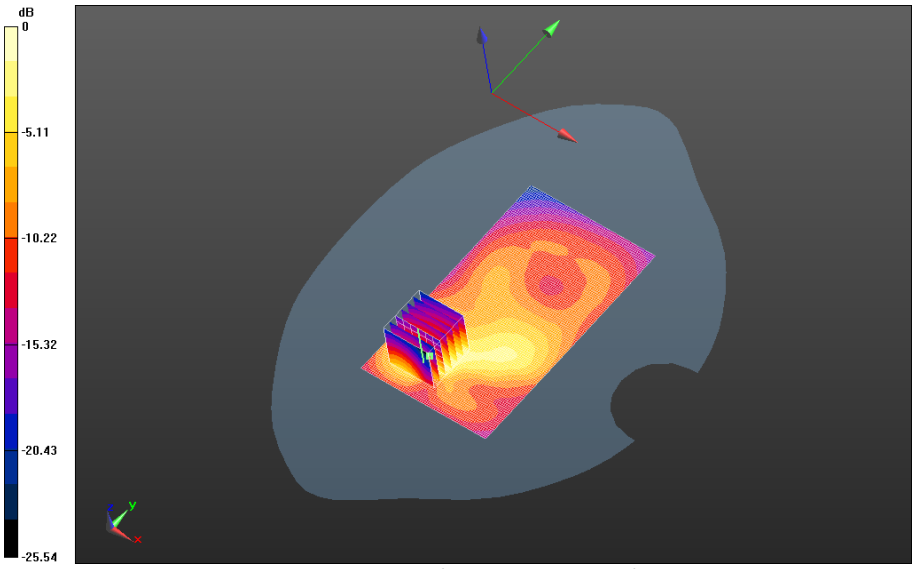
0 dB = 0.404 W/kg = -3.94 dBW/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan6_amb_temp_24.2C_liq_temp_22.8C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.975 V/m; **Power Drift = 0.059 dB**

Fast SAR: SAR(1g) = 0.365 W/kg; SAR(10g) = 0.167 W/kg
Maximum value of SAR (interpolated) = 0.519 W/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan6_amb_temp_24.2C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 6.975 V/m; **Power Drift = 0.059 dB**

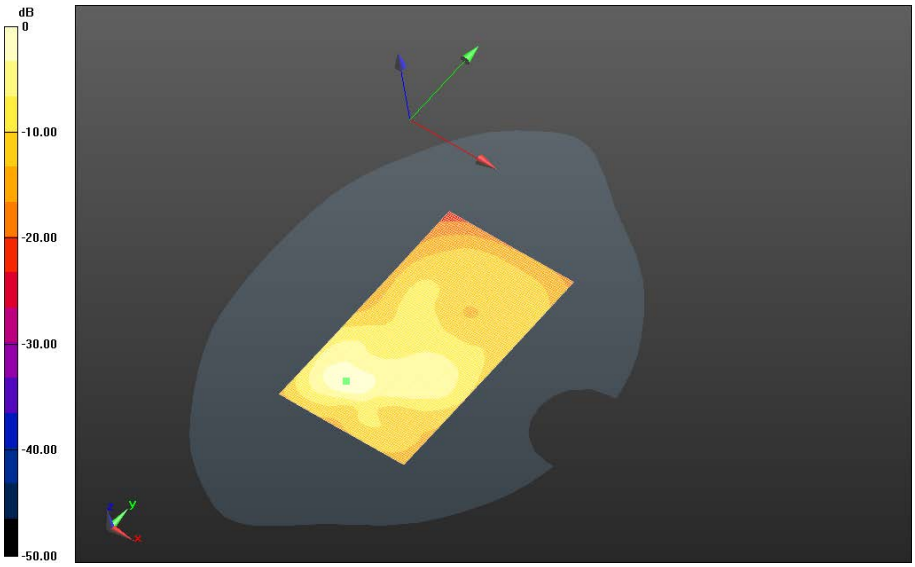
Averaged SAR: SAR(1g) = 0.380 W/kg; SAR(10g) = 0.176 W/kg
Maximum value of SAR (interpolated) = 0.794 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan11_amb_temp_24.2C_liq_temp_22.8C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.698 V/m; **Power Drift = 0.012 dB**

Fast SAR: SAR(1g) = 0.362 W/kg; SAR(10g) = 0.163 W/kg
Maximum value of SAR (interpolated) = 0.535 W/kg



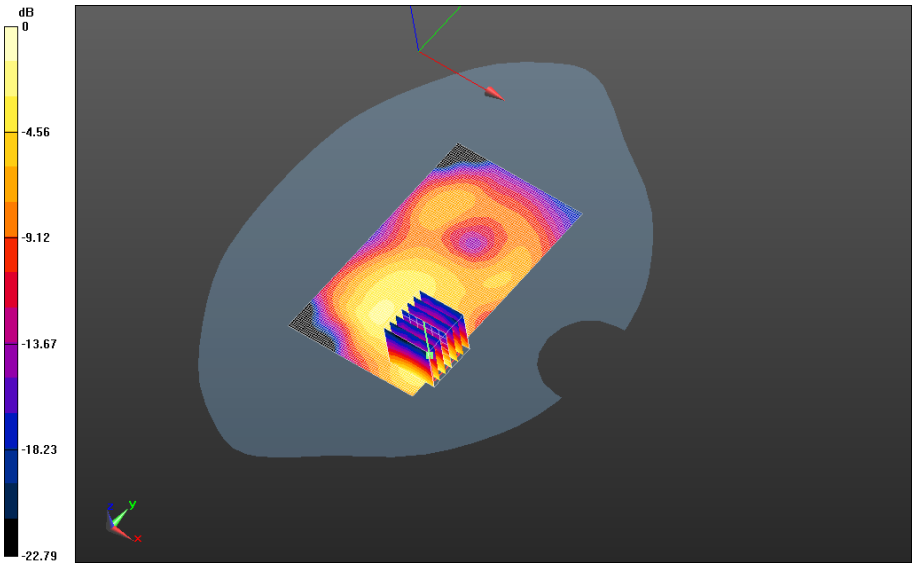
0 dB = 0.483 W/kg = -3.16 dBW/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Front - 802.11b_chan6_amb_temp_24.1C_liq_temp_22.8C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.416 V/m; **Power Drift = 0.117 dB**

Fast SAR: SAR(1g) = 0.0895 W/kg; SAR(10g) = 0.0444 W/kg
Maximum value of SAR (interpolated) = 0.116 W/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Front - 802.11b_chan6_amb_temp_24.1C_liq_temp_22.8C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=**1.000** mm, dy=**1.000** mm, dz=**1.000** mm
Reference Value = 4.416 V/m; **Power Drift = 0.117 dB**

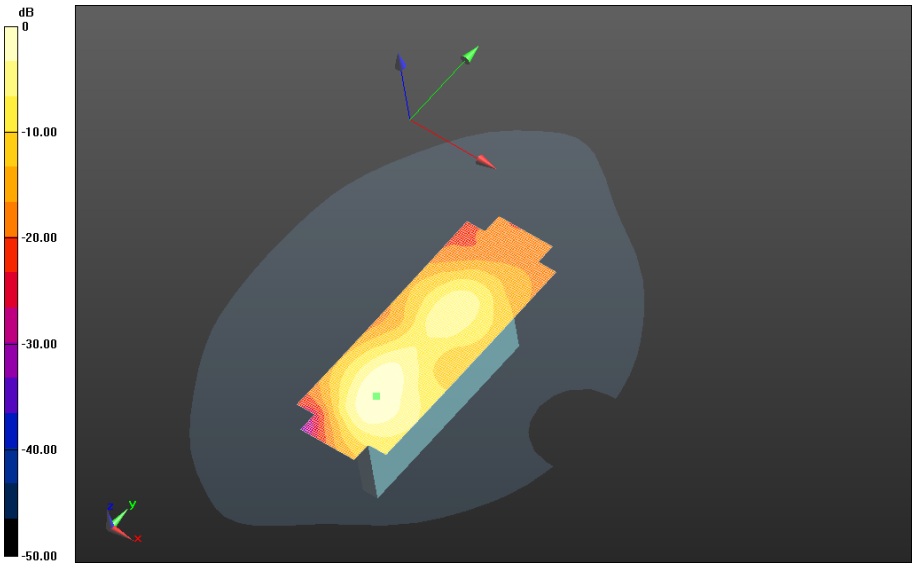
Averaged SAR: SAR(1g) = 0.0907 W/kg; SAR(10g) = 0.0445 W/kg
Maximum value of SAR (interpolated) = 0.187 W/kg



0 dB = 0.535 W/kg = -2.72 dBW/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Left - 802.11b_chan6_amb_temp_24.1C_liq_temp_23.0C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.900 V/m; **Power Drift = 0.00475 dB**

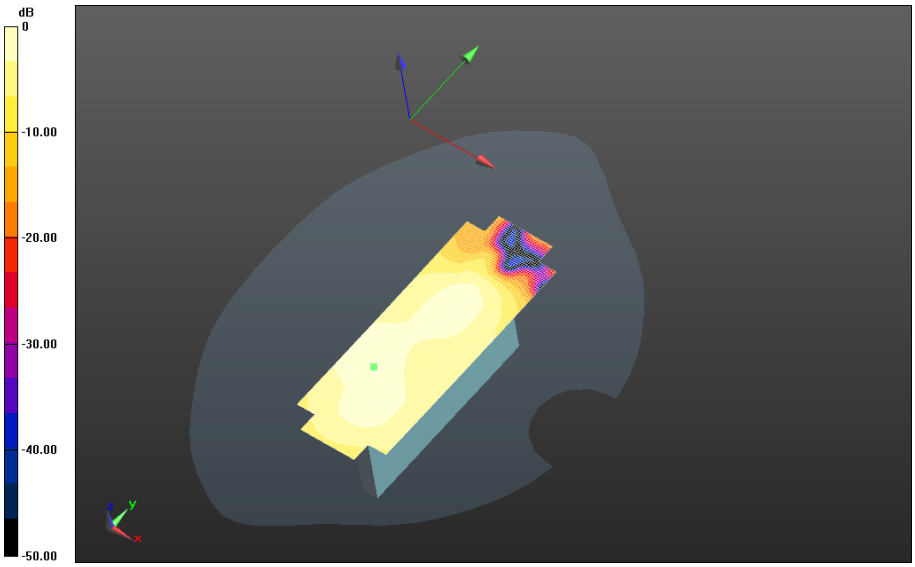
Fast SAR: SAR(1g) = 0.154 W/kg; SAR(10g) = 0.0781 W/kg
Maximum value of SAR (interpolated) = 0.205 W/kg



0 dB = 0.118 W/kg = -9.28 dBW/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Right - 802.11b_chan6_amb_temp_24.0C_liq_temp_22.7C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.719 V/m; **Power Drift = 0.065 dB**

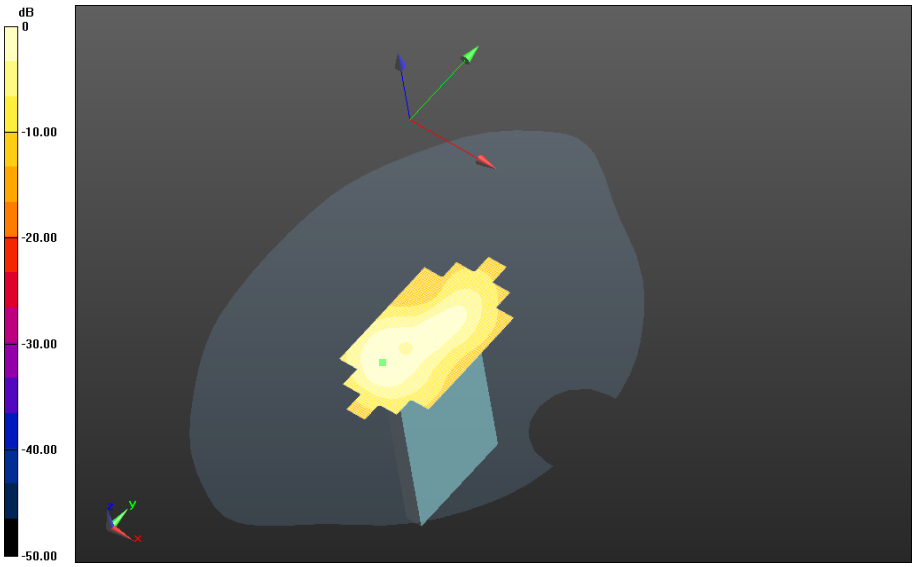
Fast SAR: SAR(1g) = 0.0212 W/kg; SAR(10g) = 0.0120 W/kg
Maximum value of SAR (interpolated) = 0.0265 W/kg



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

Mobile Hot Spot MSL - 802.11b/10mm Device Top - 802.11b_chan6_amb_temp_24.0C_liq_temp_22.7C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.593 V/m; **Power Drift = 0.027 dB**

Fast SAR: SAR(1g) = 0.144 W/kg; SAR(10g) = 0.0732 W/kg
Maximum value of SAR (interpolated) = 0.187 W/kg



0 dB = 0.0265 W/kg = -15.77 dBW/kg

802.11b Spot Check

Date: 7/18/2014

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

Configuration: Mobile Hot Spot MSL - 802.11b

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

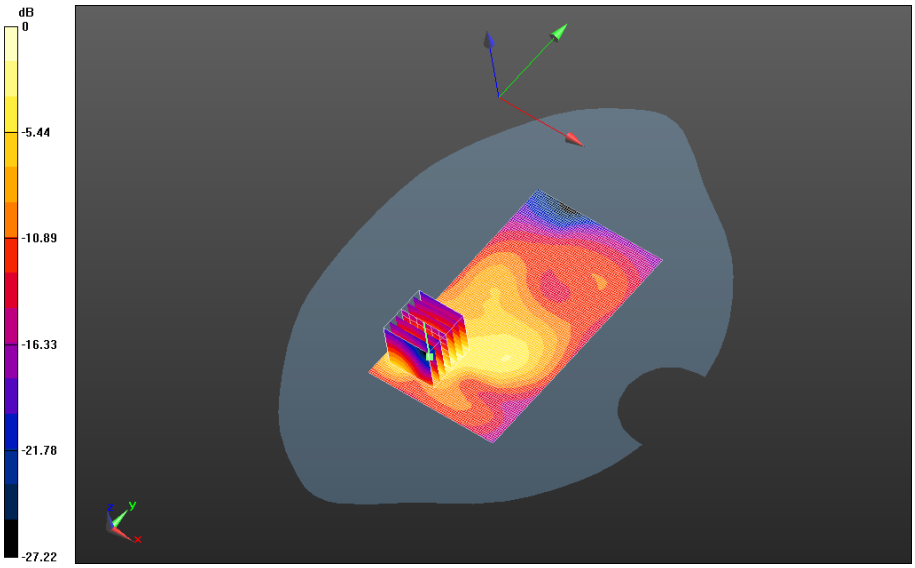
DASY Configuration:

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

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_22.7C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.530 W/kg

Mobile Hot Spot MSL - 802.11b/10mm Device Back - 802.11b_chan6_amb_temp_23.2C_liq_temp_22.7C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 7.305 V/m; Power Drift = -0.087 dB

Averaged SAR: SAR(1g) = 0.401 W/kg; SAR(10g) = 0.188 W/kg
Maximum value of SAR (interpolated) = 0.830 W/kg



0 dB = 0.512 W/kg = -2.91 dBW/kg

Bluetooth

Date: 7/18/2014

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

Configuration: Mobile Hot Spot MSL - BT

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

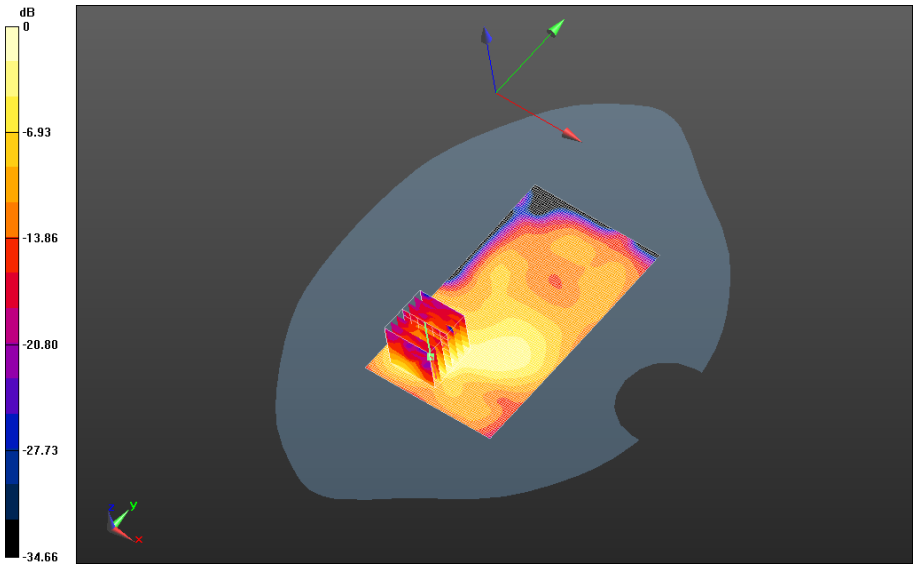
DASY Configuration:

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

Mobile Hot Spot MSL - BT/10mm Device Back - Bluetooth_chan39_amb_temp_23.1C_liq_temp_22.0C/Area Scan (151x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0388 W/kg

Mobile Hot Spot MSL - BT/10mm Device Back - Bluetooth_chan39_amb_temp_23.1C_liq_temp_22.0C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.546 V/m; **Power Drift = -0.122 dB**

Averaged SAR: SAR(1g) = 0.0282 W/kg; SAR(10g) = 0.0129 W/kg
Maximum value of SAR (interpolated) = 0.0589 W/kg



0 dB = 0.0374 W/kg = -14.27 dBW/kg

802.11a

Date: 8/1/2014

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

Configuration: Mobile Hot Spot MSL - 802.11a 5200 MHz

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

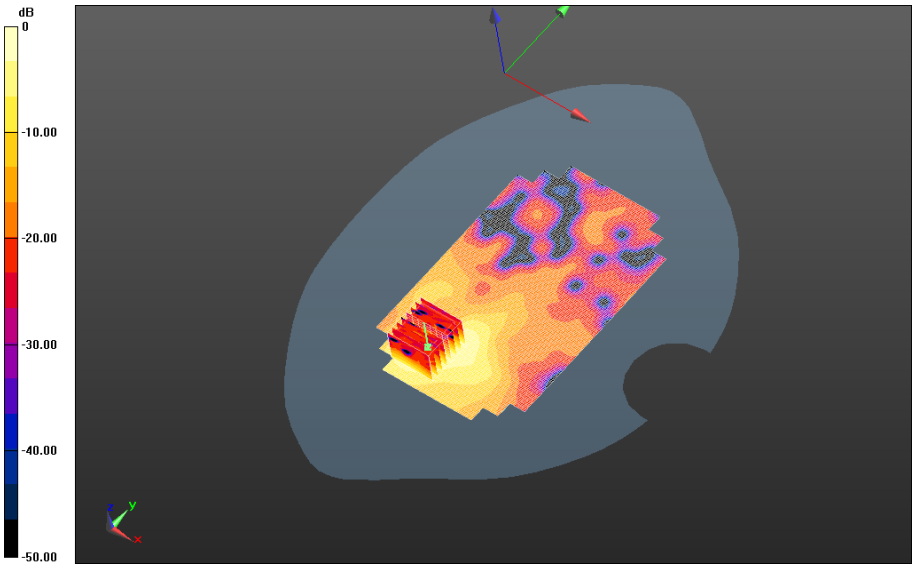
DASY Configuration:

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

Mobile Hot Spot MSL - 802.11a 5200 MHz/10mm Device Back - 802.11a_chan36_low_band_Amb_Temp_23.1C_Liquid_Temp_22.1C/Area Scan (181x241x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.702 W/kg

Mobile Hot Spot MSL - 802.11a 5200 MHz/10mm Device Back - 802.11a_chan36_low_band_Amb_Temp_23.1C_Liquid_Temp_22.1C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.884 V/m; **Power Drift = 0.132 dB**

Averaged SAR: SAR(1g) = 0.385 W/kg; SAR(10g) = 0.130 W/kg
Maximum value of SAR (interpolated) = 1.58 W/kg



0 dB = 0.746 W/kg = -1.27 dBW/kg

Date: 8/1/2014

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

Configuration: Mobile Hot Spot MSL - 802.11a 5800 MHz

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

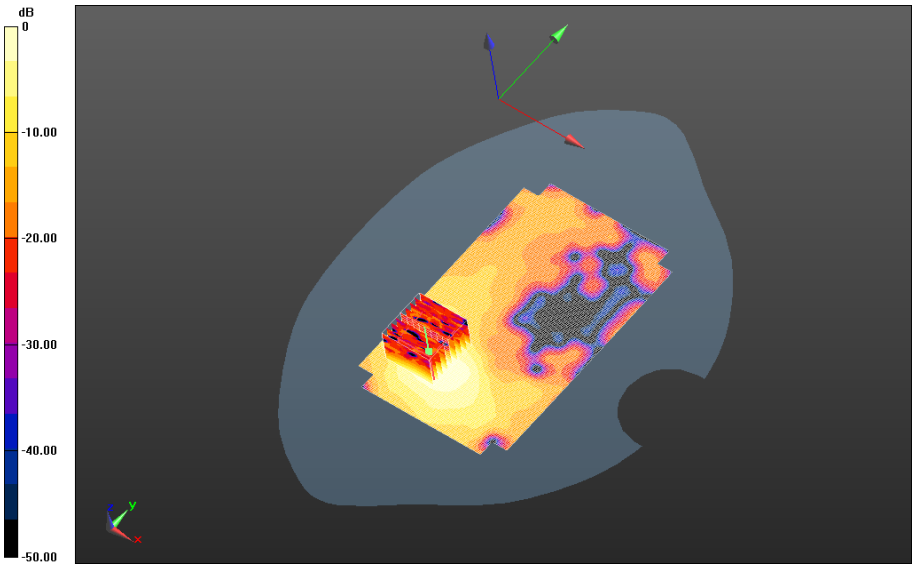
DASY Configuration:

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

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan149_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.1C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.524 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan149_upper_bandII_Amb_Temp_23.0C_Liquid_Temp_22.1C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.109 V/m; **Power Drift = 0.180 dB**

Averaged SAR: SAR(1g) = 0.275 W/kg; SAR(10g) = 0.105 W/kg
Maximum value of SAR (interpolated) = 1.07 W/kg

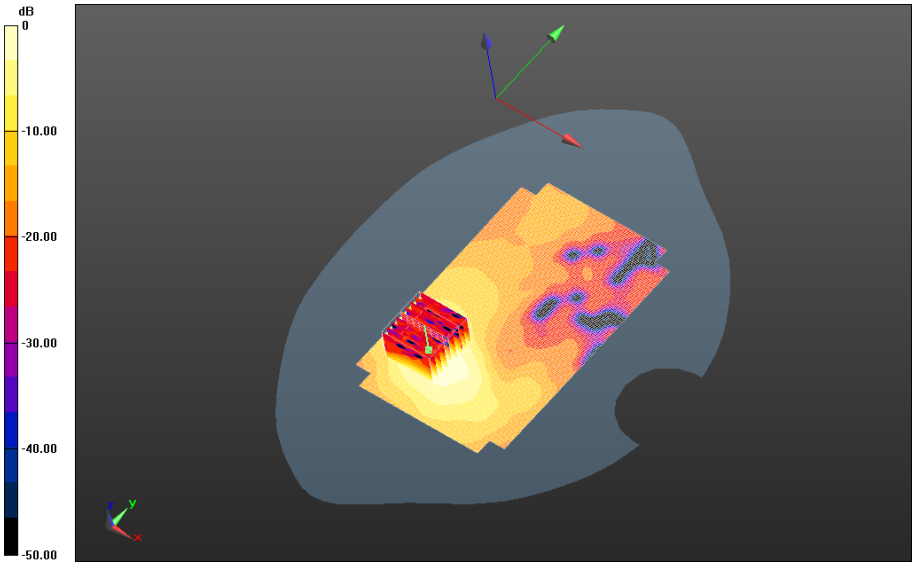


0 dB = 0.525 W/kg = -2.80 dBW/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan157_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.2C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.908 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan157_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.2C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.965 V/m; **Power Drift = 0.026 dB**

Averaged SAR: SAR(1g) = 0.490 W/kg; SAR(10g) = 0.190 W/kg
Maximum value of SAR (interpolated) = 1.86 W/kg

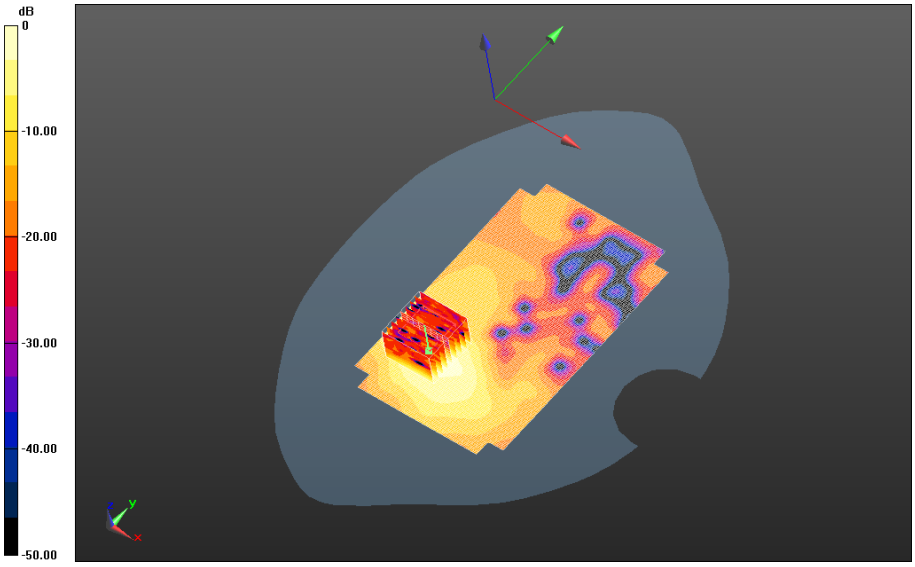


0 dB = 0.525 W/kg = -2.80 dBW/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan165_upper_bandII_Amb_Temp_22.8C_Liquid_Temp_22.2C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.570 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Back - 802.11a_chan165_upper_bandII_Amb_Temp_22.8C_Liquid_Temp_22.2C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.981 V/m; **Power Drift = 0.154 dB**

Averaged SAR: SAR(1g) = 0.303 W/kg; SAR(10g) = 0.114 W/kg
Maximum value of SAR (interpolated) = 1.21 W/kg

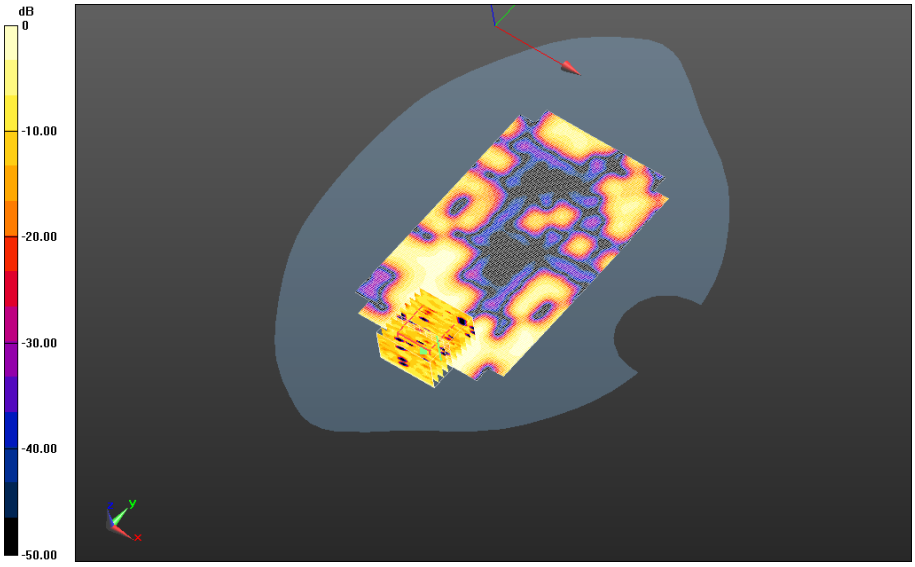


0 dB = 0.901 W/kg = -0.45 dBW/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Front - 802.11a_chan157_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0681 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Front - 802.11a_chan157_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Zoom Scan (46x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.850 V/m; **Power Drift = -0.112 dB**

Averaged SAR: SAR(1g) = 0.0203 W/kg; SAR(10g) = 0.00864 W/kg
Maximum value of SAR (interpolated) = 0.229 W/kg

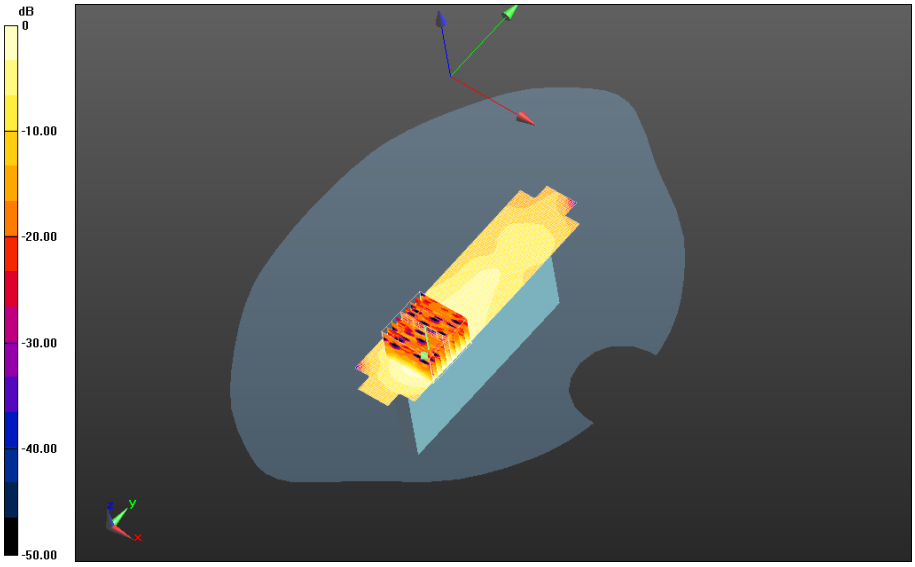


0 dB = 0.584 W/kg = -2.34 dBW/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Left - 802.11a_chan157_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.251 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Left - 802.11a_chan157_upper_bandII_Amb_Temp_22.9C_Liquid_Temp_22.0C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.371 V/m; **Power Drift = -0.108 dB**

Averaged SAR: SAR(1g) = 0.134 W/kg; SAR(10g) = 0.0540 W/kg
Maximum value of SAR (interpolated) = 0.503 W/kg

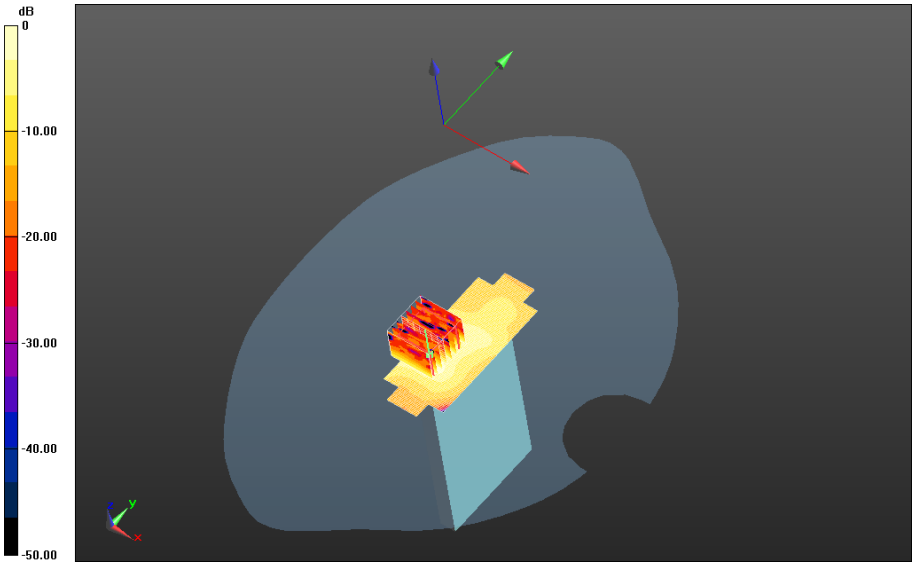


0 dB = 0.0486 W/kg = -13.13 dBW/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Top - 802.11a_chan157_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.0C/Area Scan (181x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.431 W/kg

Mobile Hot Spot MSL - 802.11a 5800 MHz/10mm Device Top - 802.11a_chan157_upper_bandII_Amb_Temp_23.1C_Liquid_Temp_22.0C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 6.010 V/m; **Power Drift = 0.359 dB**

Averaged SAR: SAR(1g) = 0.233 W/kg; SAR(10g) = 0.0777 W/kg
Maximum value of SAR (interpolated) = 0.998 W/kg



0 dB = 0.0608 W/kg = -12.16 dBW/kg