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APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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LTE Band 17

Date: 11/19/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Right-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; $\sigma = 0.875$ S/m; $\epsilon_r = 42.717$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - LTE Band 17/Touch Position - LTE band

17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_22.0C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.556 V/m; **Power Drift = -0.012 dB**

Fast SAR: SAR(1g) = 0.304 W/kg; SAR(10g) = 0.211 W/kg

Maximum value of SAR (interpolated) = 0.340 W/kg

Right-Hand-Side HSL - LTE Band 17/Touch Position - LTE band

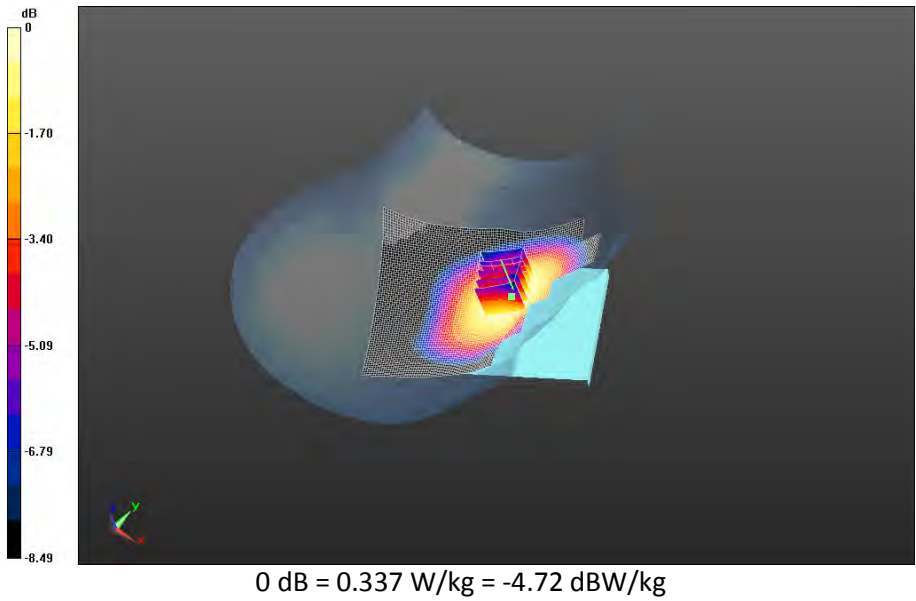
17_chan23780_10MHz_BW_RB1_Offset_High_amb_temp_23.9C_liq_temp_22.0C/Zoom Scan

(21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 6.556 V/m; **Power Drift = -0.012 dB**

Averaged SAR: SAR(1g) = 0.315 W/kg; SAR(10g) = 0.243 W/kg

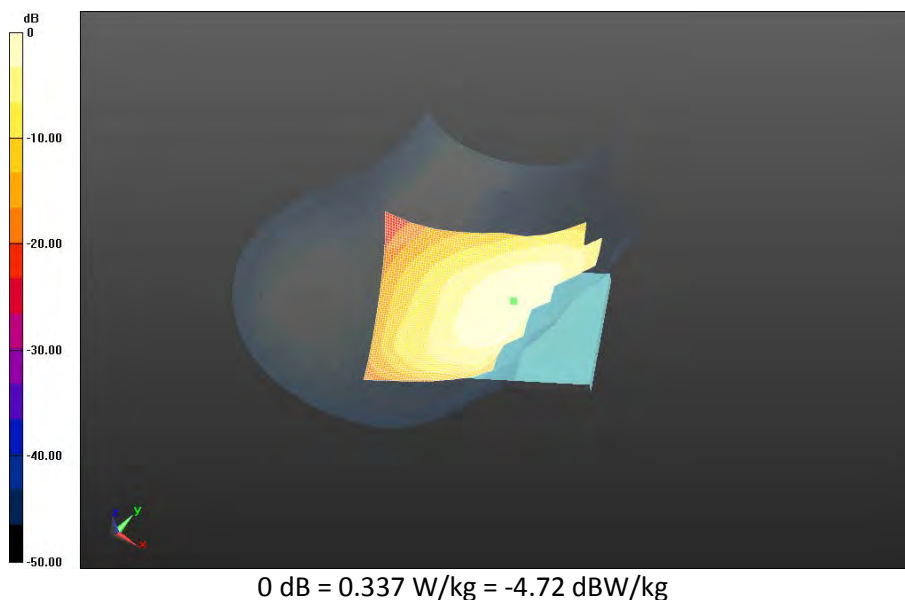
Maximum value of SAR (interpolated) = 0.383 W/kg



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Right-Hand-Side HSL - LTE Band 17/Touch Position - LTE band 17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_22.0C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.694 V/m; **Power Drift = -0.081 dB**

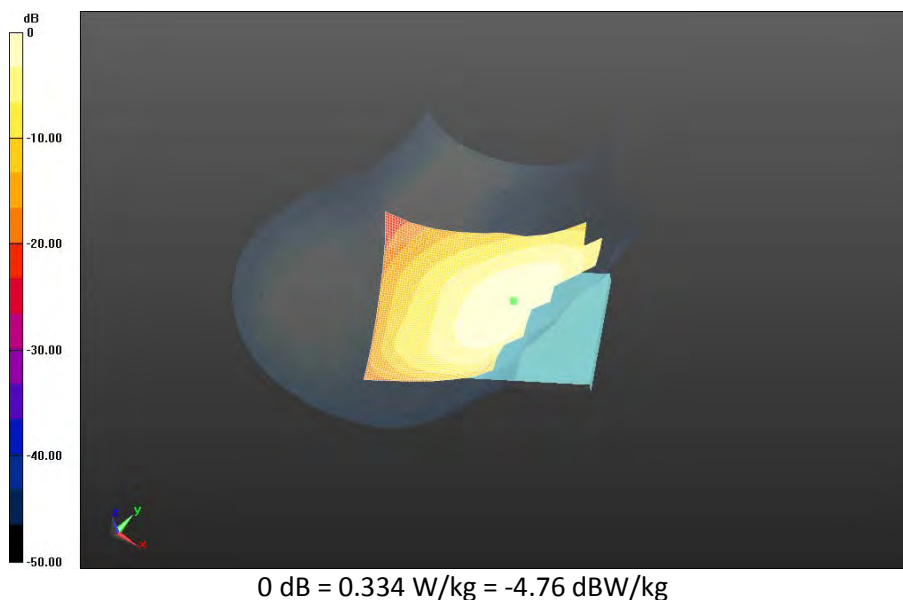
Fast SAR: SAR(1g) = 0.301 W/kg; SAR(10g) = 0.209 W/kg
Maximum value of SAR (interpolated) = 0.337 W/kg



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**Right-Hand-Side HSL - LTE Band 17/Touch Position - LTE band
17_chan23800_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.9C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.516 V/m; **Power Drift = 0.155 dB**

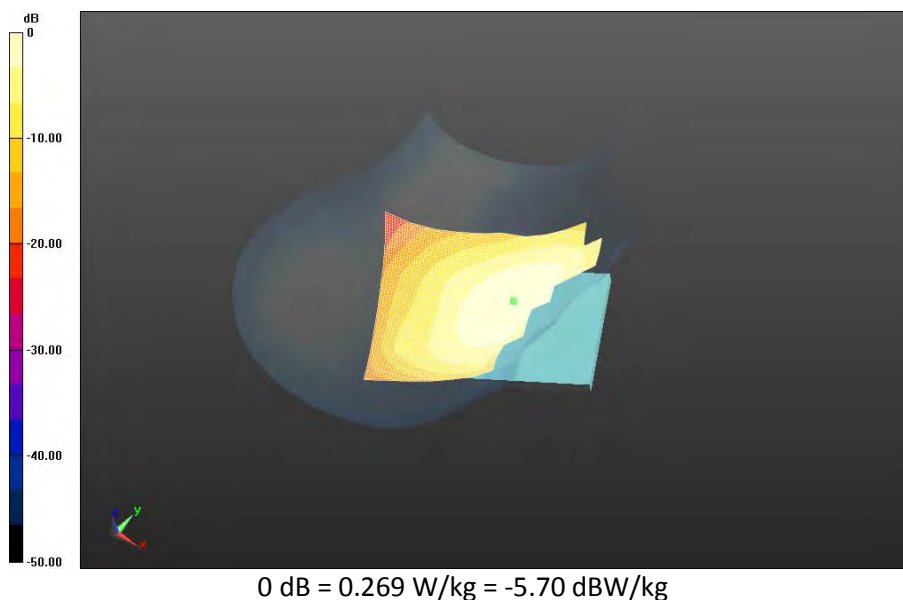
Fast SAR: SAR(1g) = 0.298 W/kg; SAR(10g) = 0.207 W/kg
Maximum value of SAR (interpolated) = 0.334 W/kg



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**Right-Hand-Side HSL - LTE Band 17/Touch Position - LTE band
17_chan23800_10MHz_BW_RB25_Offset_High_amb_temp_23.8C_liq_temp_21.9C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.824 V/m; **Power Drift = 0.058 dB**

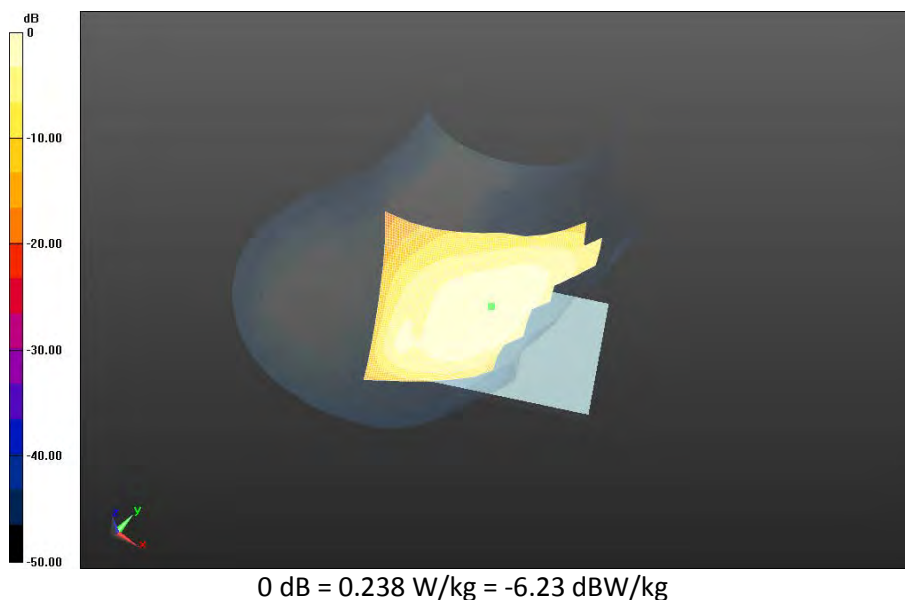
Fast SAR: SAR(1g) = 0.240 W/kg; SAR(10g) = 0.166 W/kg
Maximum value of SAR (interpolated) = 0.269 W/kg



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**Right-Hand-Side HSL - LTE Band 17/Tilt Position - LTE band
17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.8C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.325 V/m; **Power Drift = 0.144 dB**

Fast SAR: SAR(1g) = 0.214 W/kg; SAR(10g) = 0.151 W/kg
Maximum value of SAR (interpolated) = 0.238 W/kg



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Date: 11/19/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 710 MHz

Medium Parameters used: $f=710$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 42.702$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE Band 17/Touch Position - LTE band

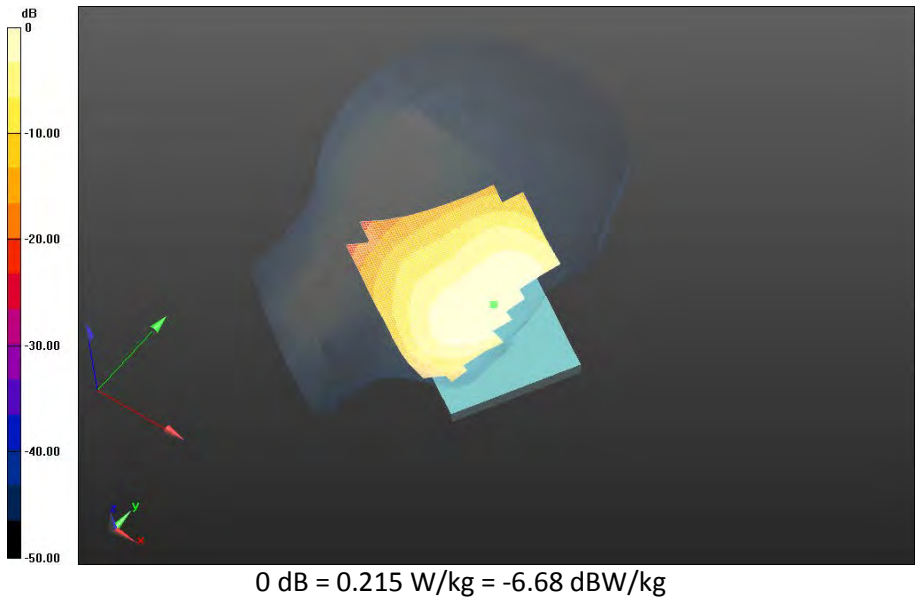
17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.7C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.359 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.191 W/kg; SAR(10g) = 0.134 W/kg

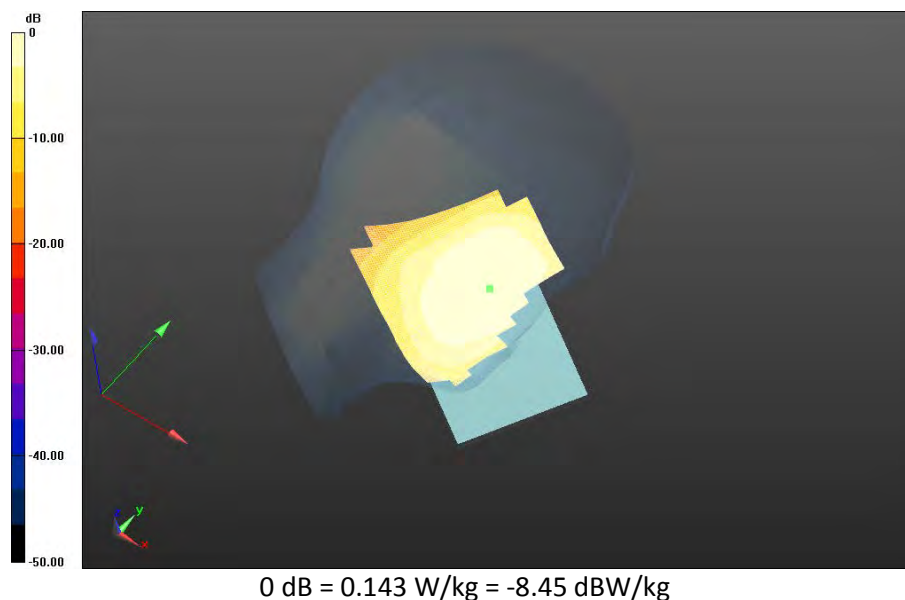
Maximum value of SAR (interpolated) = 0.215 W/kg



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**Left-Hand-Side HSL - LTE Band 17/Tilt Position - LTE band
17_chan23790_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.6C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.662 V/m; **Power Drift = 0.047 dB**

Fast SAR: SAR(1g) = 0.129 W/kg; SAR(10g) = 0.0914 W/kg
Maximum value of SAR (interpolated) = 0.143 W/kg



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LTE Band 5

Date: 11/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 0.873$ S/m; $\epsilon_r = 41.029$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - LTE Band 5/Touch Position - LTE band

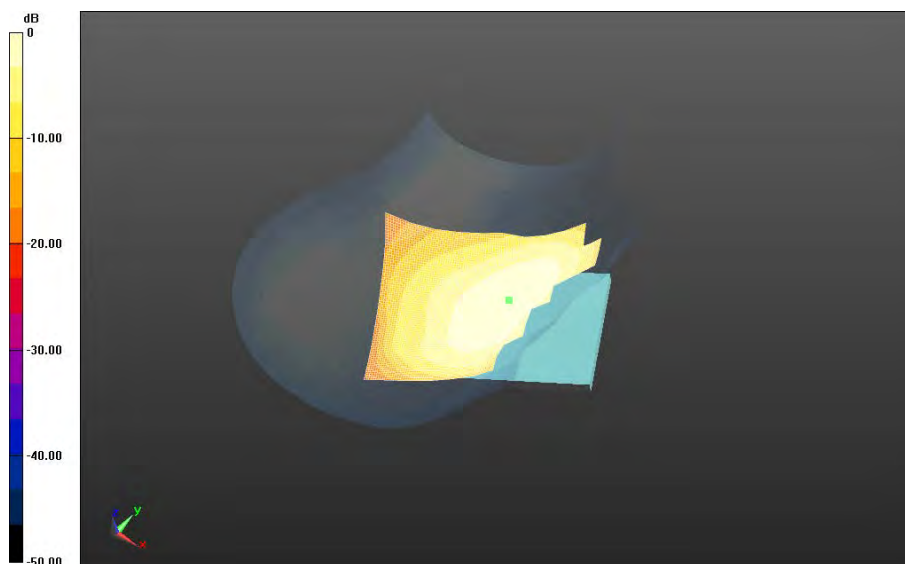
5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.5C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.227 V/m; **Power Drift = -0.059 dB**

Fast SAR: SAR(1g) = 0.310 W/kg; SAR(10g) = 0.213 W/kg

Maximum value of SAR (interpolated) = 0.345 W/kg



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0 dB = 0.345 W/kg = -4.62 dBW/kg

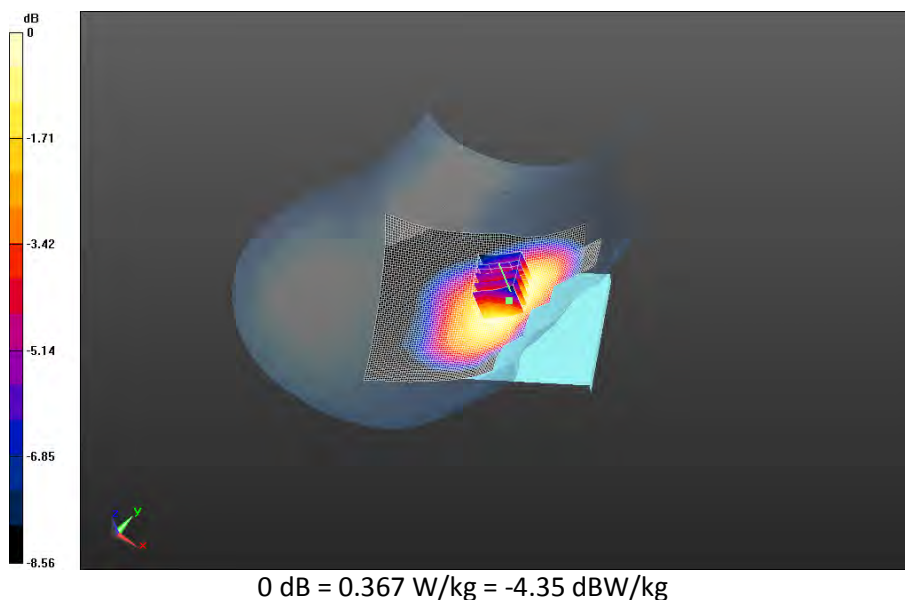
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**Right-Hand-Side HSL - LTE Band 5/Touch Position - LTE band
5_chan20525_10MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.5C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.128 V/m; **Power Drift = 0.086 dB**

Fast SAR: SAR(1g) = 0.325 W/kg; SAR(10g) = 0.223 W/kg
Maximum value of SAR (interpolated) = 0.364 W/kg

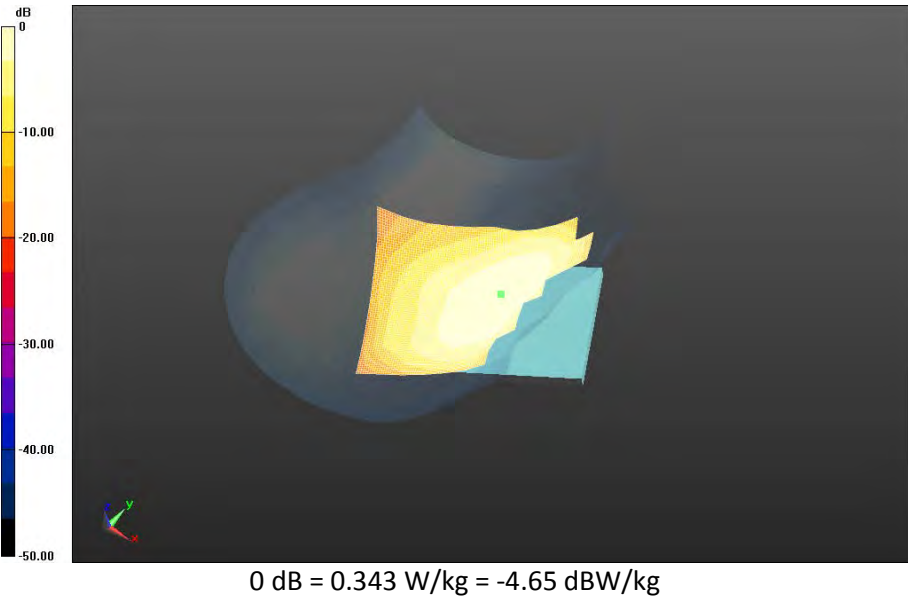
**Right-Hand-Side HSL - LTE Band 5/Touch Position - LTE band
5_chan20525_10MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.5C/Zoom Scan
(21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.128 V/m; **Power Drift = 0.086 dB**

Averaged SAR: SAR(1g) = 0.341 W/kg; SAR(10g) = 0.261 W/kg
Maximum value of SAR (interpolated) = 0.422 W/kg



Right-Hand-Side HSL - LTE Band 5/Touch Position - LTE band
5_chan20600_10MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.6C/Area Scan
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.924 V/m; **Power Drift = 0.038 dB**

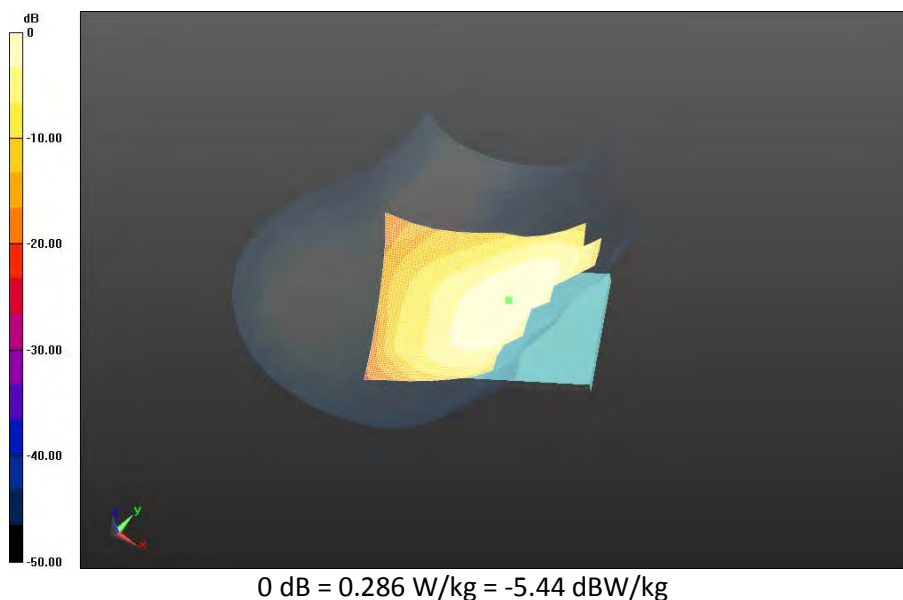
Fast SAR: SAR(1g) = 0.306 W/kg; SAR(10g) = 0.210 W/kg
Maximum value of SAR (interpolated) = 0.343 W/kg



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**Right-Hand-Side HSL - LTE Band 5/Touch Position - LTE band
5_chan20450_10MHz_BW_RB25_Offset_High_amb_temp_23.7C_liq_temp_21.6C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.814 V/m; **Power Drift = 0.181 dB**

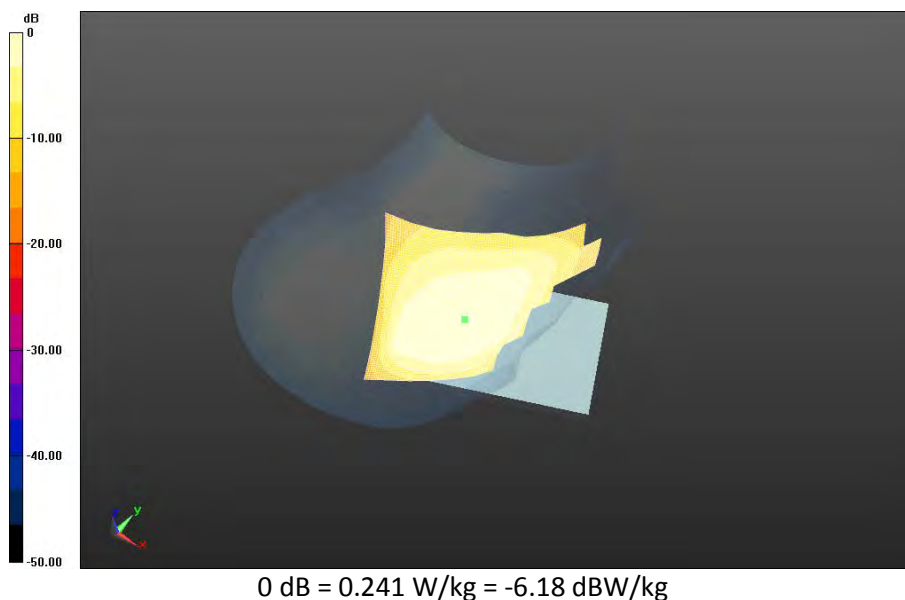
Fast SAR: SAR(1g) = 0.257 W/kg; SAR(10g) = 0.176 W/kg
Maximum value of SAR (interpolated) = 0.286 W/kg



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Right-Hand-Side HSL - LTE Band 5/Tilt Position - LTE band
5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_21.6C/Area Scan
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.689 V/m; **Power Drift = -0.028 dB**

Fast SAR: SAR(1g) = 0.216 W/kg; SAR(10g) = 0.150 W/kg
Maximum value of SAR (interpolated) = 0.241 W/kg



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Date: 11/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 0.873$ S/m; $\epsilon_r = 41.029$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE Band 5/Touch Position -LTE band

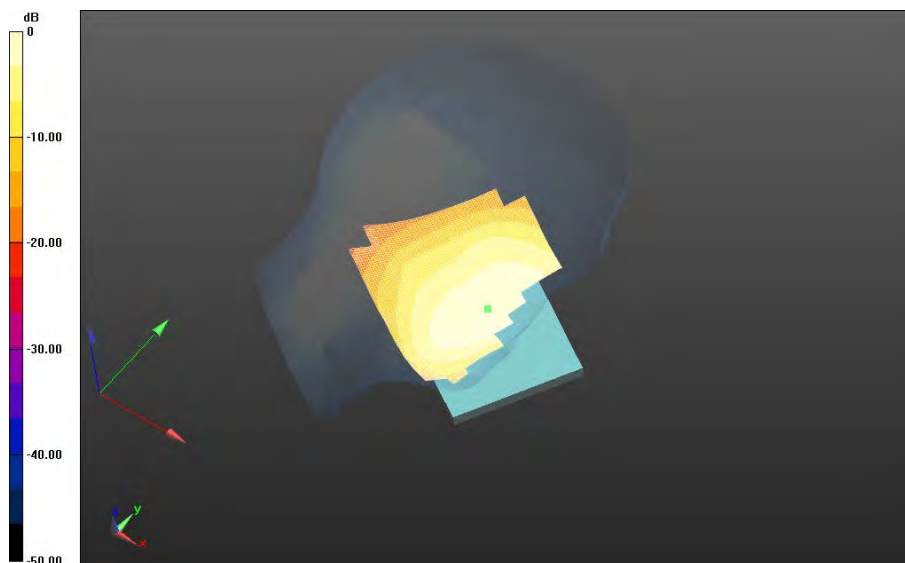
5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.5C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.576 V/m; **Power Drift = 0.124 dB**

Fast SAR: SAR(1g) = 0.217 W/kg; SAR(10g) = 0.150 W/kg

Maximum value of SAR (interpolated) = 0.245 W/kg



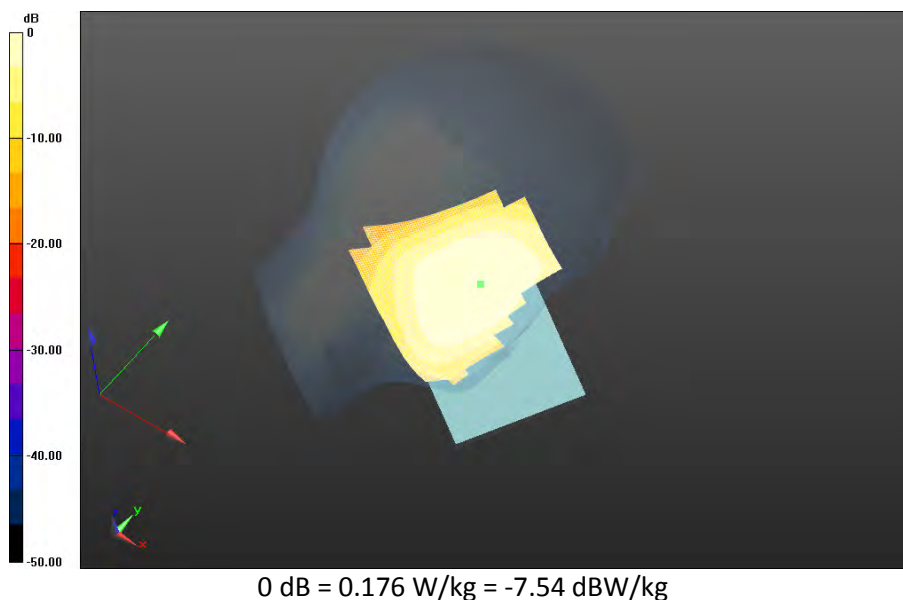
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0 dB = 0.245 W/kg = -6.11 dBW/kg

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**Left-Hand-Side HSL - LTE Band 5/Tilt Position - LTE band
5_chan20450_10MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.5C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.271 V/m; **Power Drift = -0.074 dB**

Fast SAR: SAR(1g) = 0.158 W/kg; SAR(10g) = 0.111 W/kg
Maximum value of SAR (interpolated) = 0.176 W/kg



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GSM 850

Date: 11/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Right-Hand-Side HSL - DTM 850

Communication System: DTM 850 (3 slots) (0); Communication System Band: DTM 850 (3 slots);

Frequency: 824.2 MHz

Medium Parameters used: $f=825$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.088$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-

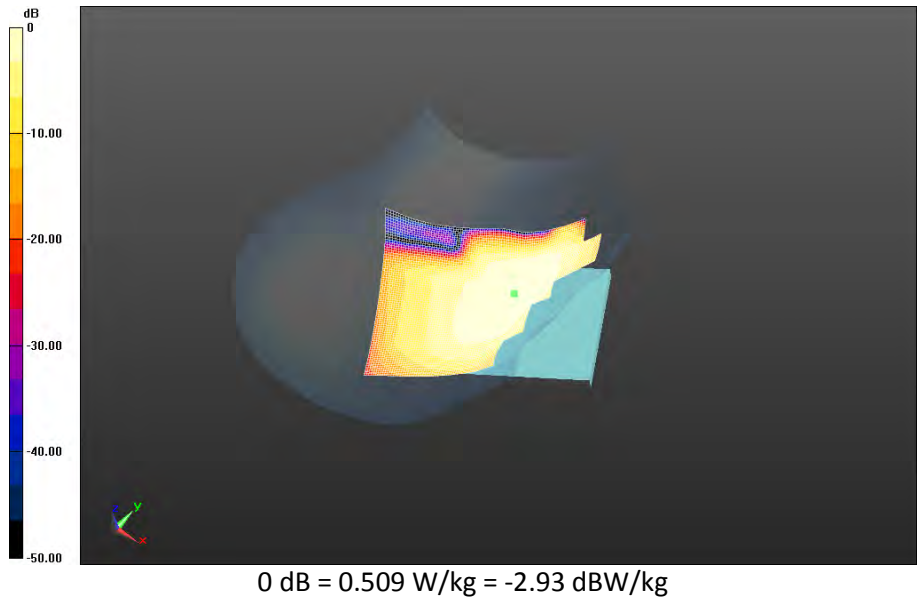
slots_chan128_amb_temp_23.0C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 9.376 V/m; **Power Drift = 0.081 dB**

Fast SAR: SAR(1g) = 0.452 W/kg; SAR(10g) = 0.310 W/kg

Maximum value of SAR (interpolated) = 0.509 W/kg



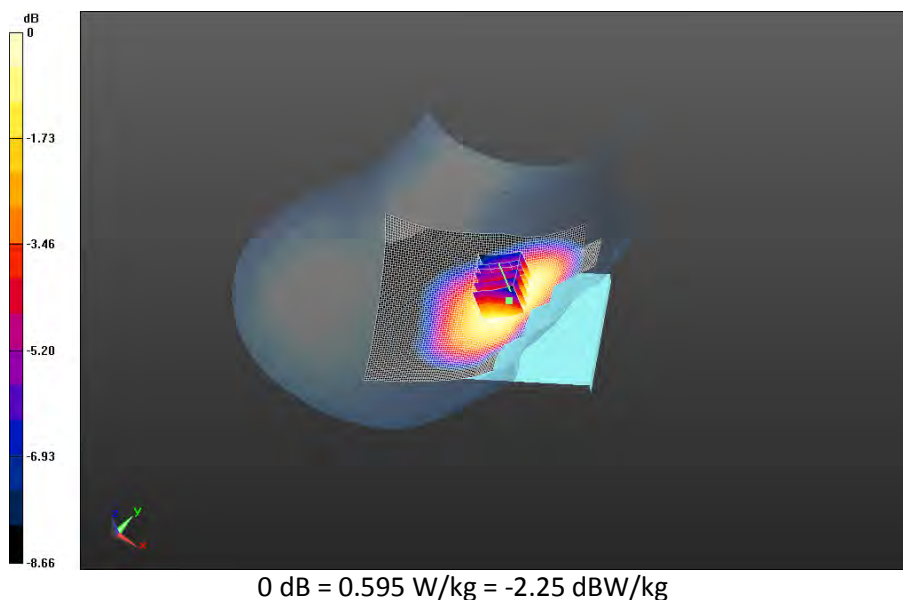
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Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slots_chan190_amb_temp_23.3C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.778 V/m; **Power Drift = 0.145 dB**

Fast SAR: SAR(1g) = 0.539 W/kg; SAR(10g) = 0.370 W/kg
Maximum value of SAR (interpolated) = 0.604 W/kg

Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slots_chan190_amb_temp_23.3C_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.778 V/m; **Power Drift = 0.145 dB**

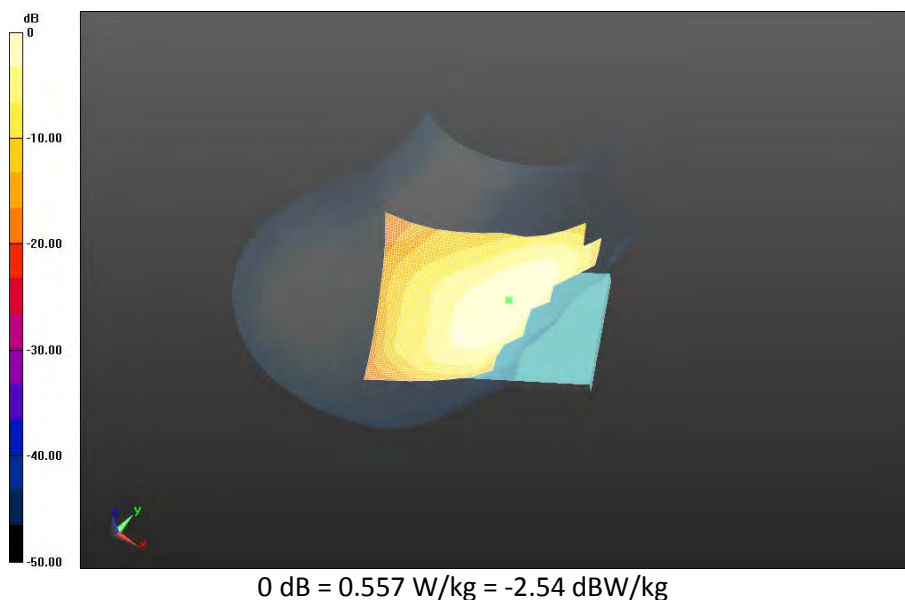
Averaged SAR: SAR(1g) = 0.552 W/kg; SAR(10g) = 0.421 W/kg
Maximum value of SAR (interpolated) = 0.698 W/kg



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Right-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-slots_chan251_amb_temp_23.3C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.864 V/m; **Power Drift = -0.101 dB**

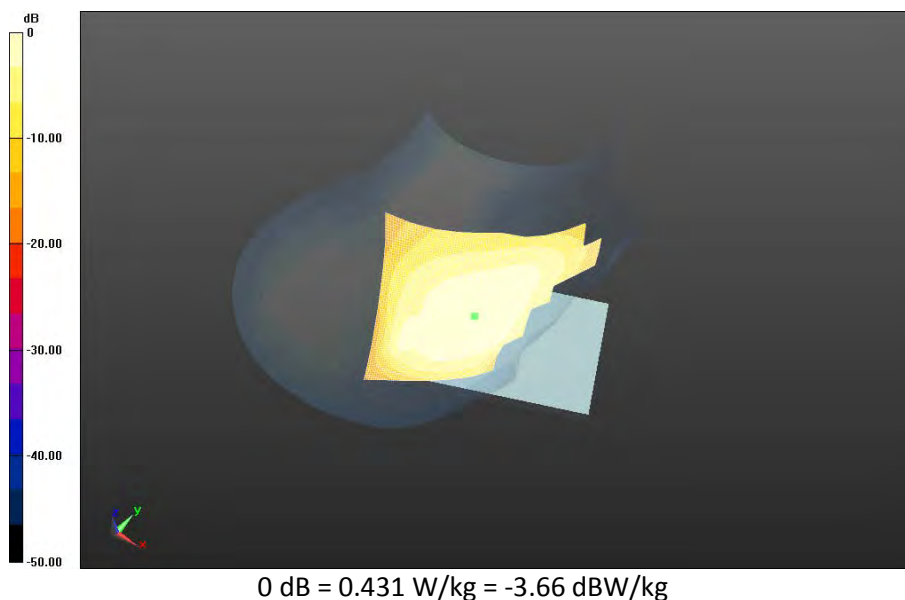
Fast SAR: SAR(1g) = 0.497 W/kg; SAR(10g) = 0.340 W/kg
Maximum value of SAR (interpolated) = 0.557 W/kg



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Right-Hand-Side HSL - DTM 850/Tilt Position - DTM850_3-slots_chan190_amb_temp_23.5C_liq_temp_21.4C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 14.984 V/m; **Power Drift = 0.034 dB**

Fast SAR: SAR(1g) = 0.385 W/kg; SAR(10g) = 0.268 W/kg
Maximum value of SAR (interpolated) = 0.431 W/kg



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Date: 11/18/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Left-Hand-Side HSL - DTM 850

Communication System: DTM 850 (3 slots) (0); Communication System Band: DTM 850 (3 slots);
Frequency: 836.8 MHz

Medium Parameters used: $f=836.8$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 40.950$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

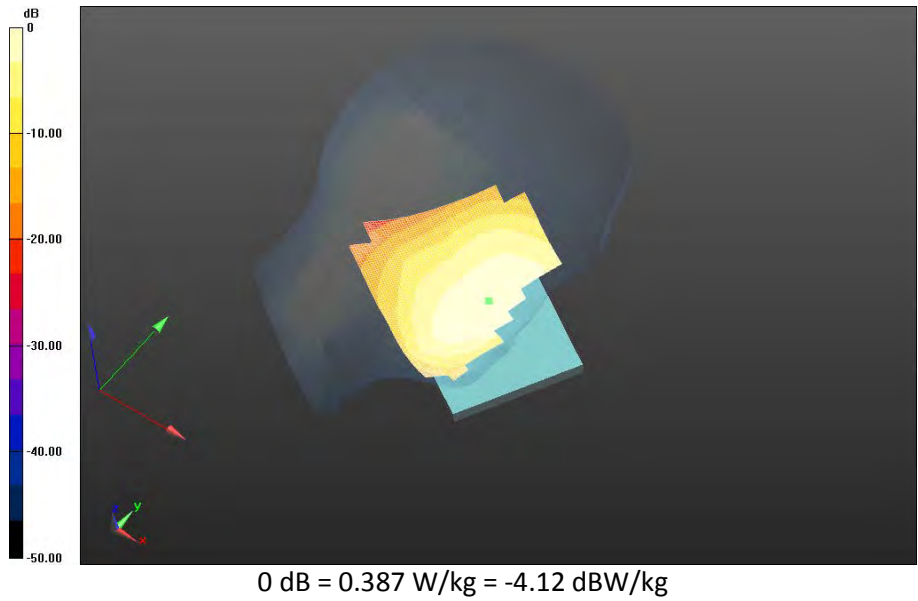
Left-Hand-Side HSL - DTM 850/Touch Position - DTM850_3-

slots_chan190_amb_temp_23.5C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Reference Value = 7.966 V/m; **Power Drift = -0.051 dB**

Fast SAR: SAR(1g) = 0.341 W/kg; SAR(10g) = 0.237 W/kg

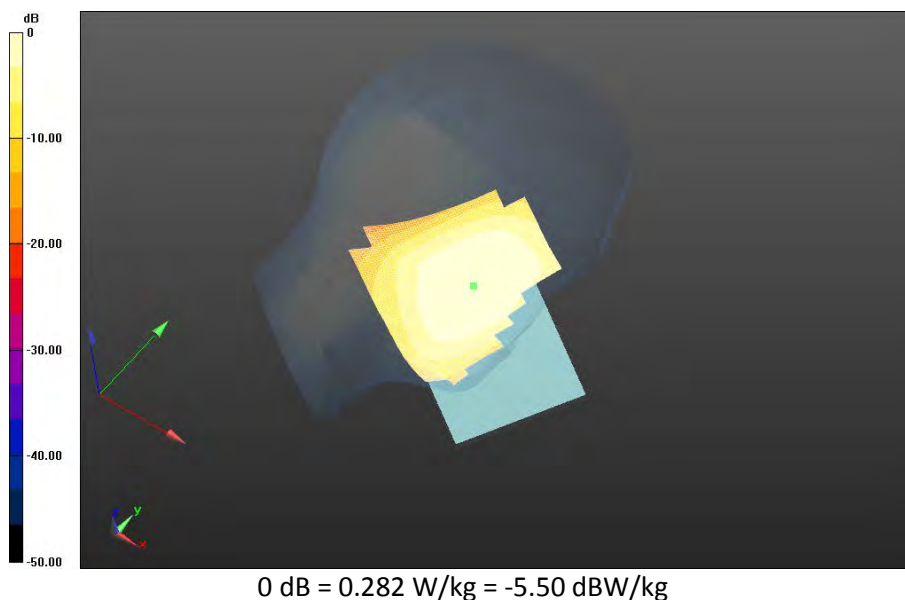
Maximum value of SAR (interpolated) = 0.387 W/kg



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Left-Hand-Side HSL - DTM 850/Tilt Position - DTM850_3-slots_chan190_amb_temp_23.5C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 13.789 V/m; **Power Drift = 0.027 dB**

Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.176 W/kg
Maximum value of SAR (interpolated) = 0.282 W/kg



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UMTS Band V

Date: 11/17/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Right-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; $\sigma = 0.870$ S/m; $\epsilon_r = 41.068$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (,,); 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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - UMTS Band V/Touch Position - UMTS band

V_chan4132_amb_temp_23.5C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 9.974 V/m; **Power Drift = 0.147 dB**

Fast SAR: SAR(1g) = 0.439 W/kg; SAR(10g) = 0.302 W/kg

Maximum value of SAR (interpolated) = 0.489 W/kg

Right-Hand-Side HSL - UMTS Band V/Touch Position - UMTS band

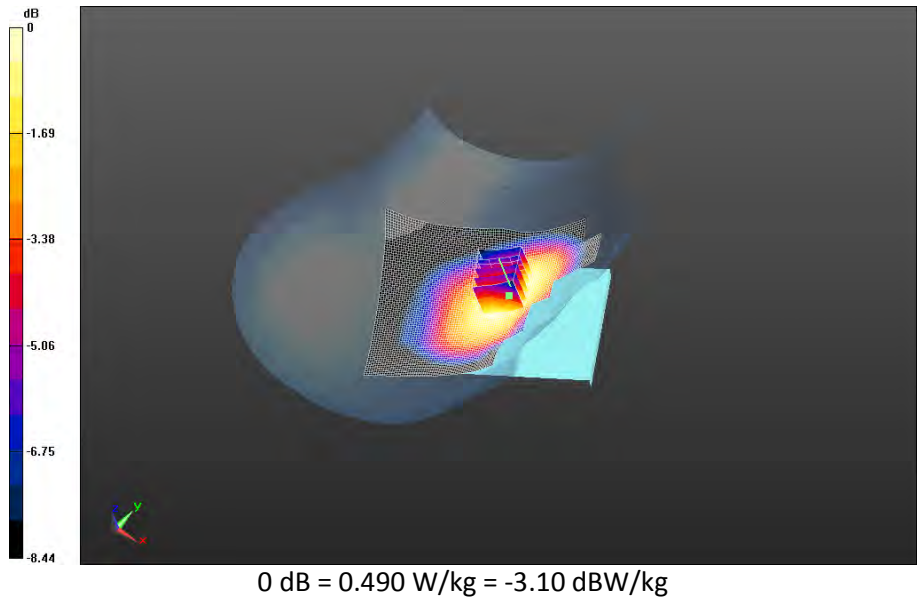
V_chan4132_amb_temp_23.5C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 9.974 V/m; **Power Drift = 0.147 dB**

Averaged SAR: SAR(1g) = 0.459 W/kg; SAR(10g) = 0.353 W/kg

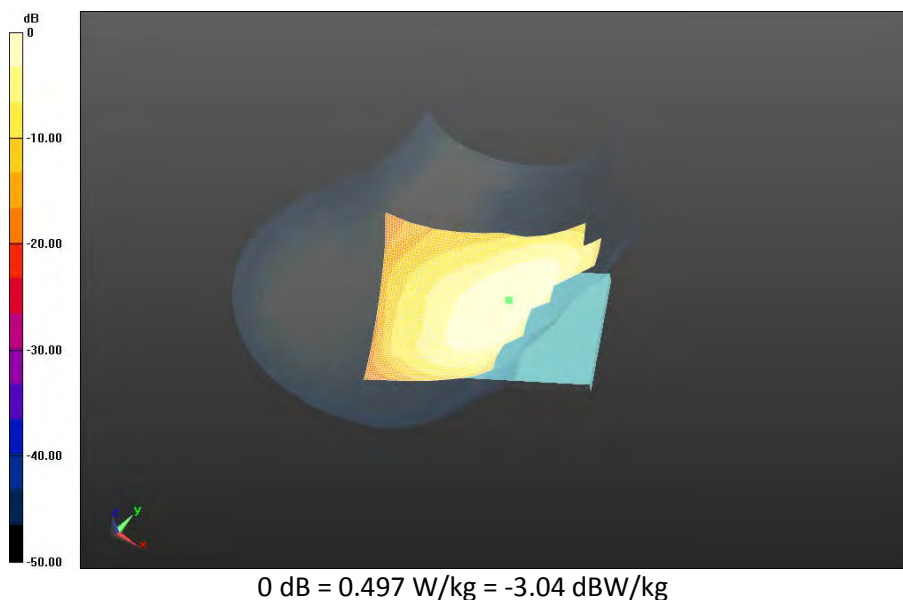
Maximum value of SAR (interpolated) = 0.561 W/kg



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Right-Hand-Side HSL - UMTS Band V/Touch Position - UMTS band V_chan4182_amb_temp_23.4C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.846 V/m; **Power Drift = 0.036 dB**

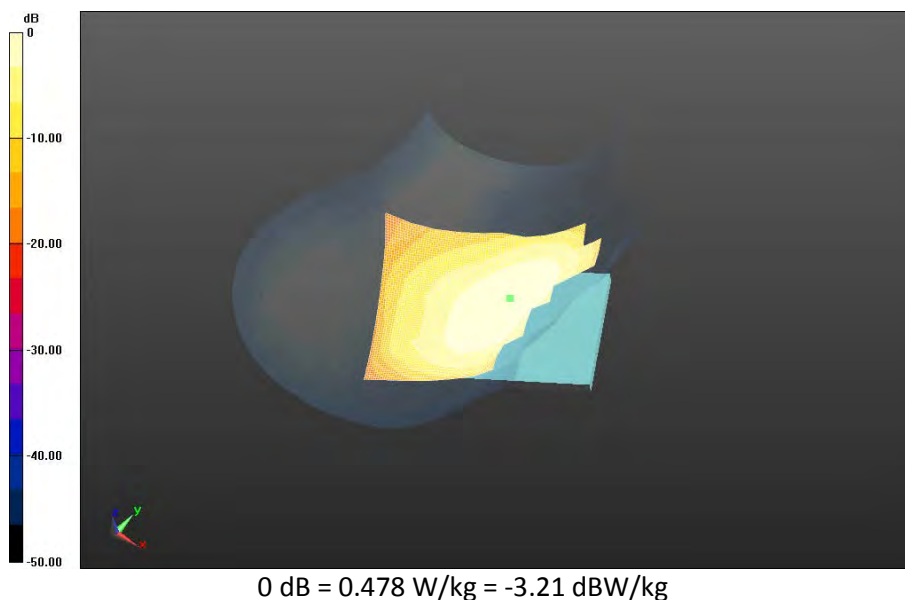
Fast SAR: SAR(1g) = 0.444 W/kg; SAR(10g) = 0.305 W/kg
Maximum value of SAR (interpolated) = 0.497 W/kg



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Right-Hand-Side HSL - UMTS Band V/Touch Position - UMTS band V_chan4233_amb_temp_23.4C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.812 V/m; **Power Drift = 0.00546 dB**

Fast SAR: SAR(1g) = 0.427 W/kg; SAR(10g) = 0.294 W/kg
Maximum value of SAR (interpolated) = 0.478 W/kg



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Right-Hand-Side HSL - UMTS Band V/Tilt Position - UMTS band

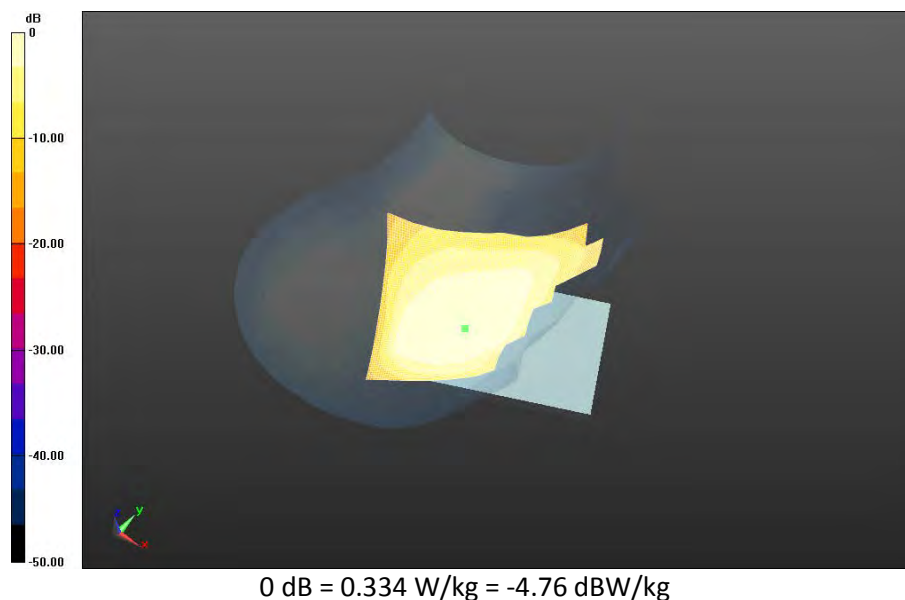
V_chan4182_amb_temp_23.3C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 15.001 V/m; **Power Drift = 0.029 dB**

Fast SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.209 W/kg

Maximum value of SAR (interpolated) = 0.334 W/kg



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Date: 11/17/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Left-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; $\sigma = 0.880$ S/m; $\epsilon_r = 40.956$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - UMTS Band V/Touch Position - UMTS band

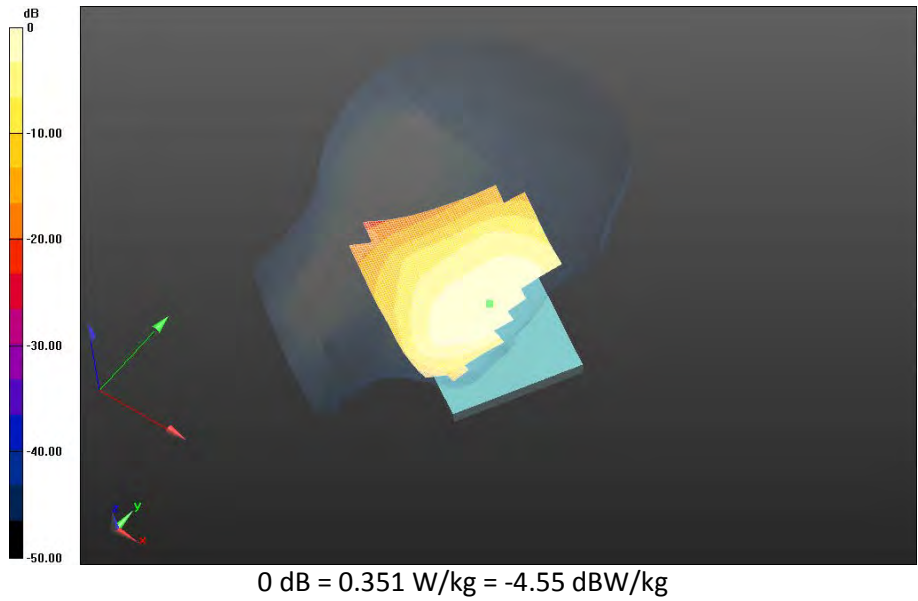
V_chan4182_amb_temp_23.5C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 8.161 V/m; **Power Drift = 0.040 dB**

Fast SAR: SAR(1g) = 0.310 W/kg; SAR(10g) = 0.214 W/kg

Maximum value of SAR (interpolated) = 0.351 W/kg



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Left-Hand-Side HSL - UMTS Band V/Tilt Position - UMTS band

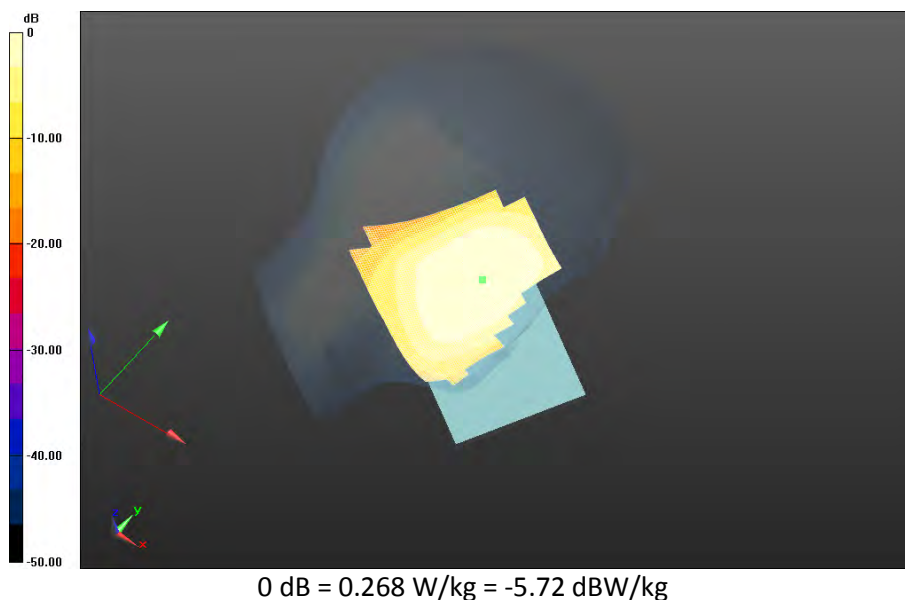
V_chan4182_amb_temp_23.5C_liq_temp_21.8C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 14.053 V/m; **Power Drift = 0.036 dB**

Fast SAR: SAR(1g) = 0.240 W/kg; SAR(10g) = 0.169 W/kg

Maximum value of SAR (interpolated) = 0.268 W/kg



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LTE Band 4

Date: 11/13/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 1.371$ S/m; $\epsilon_r = 38.529$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band

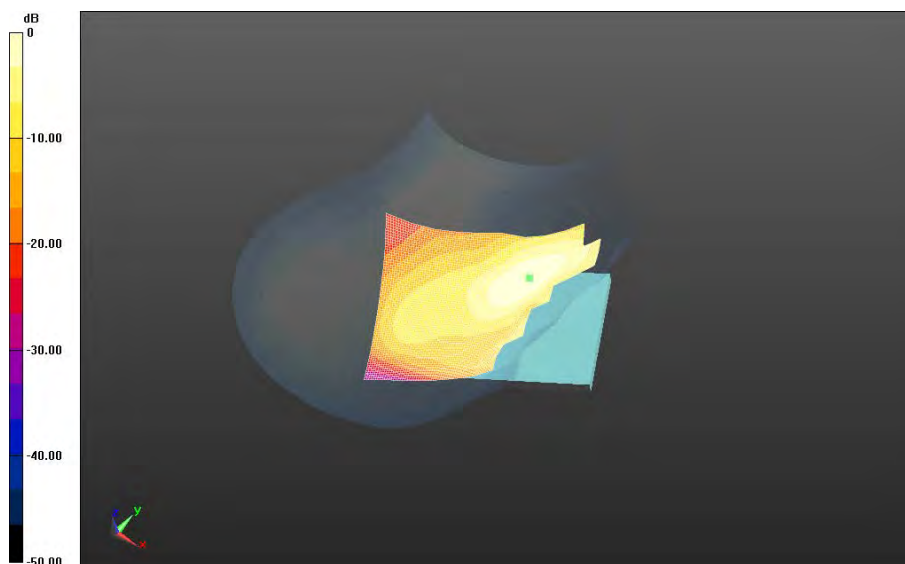
4_chan20050_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_22.5C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.988 V/m; **Power Drift = 0.208 dB**

Fast SAR: SAR(1g) = 0.583 W/kg; SAR(10g) = 0.337 W/kg

Maximum value of SAR (interpolated) = 0.723 W/kg



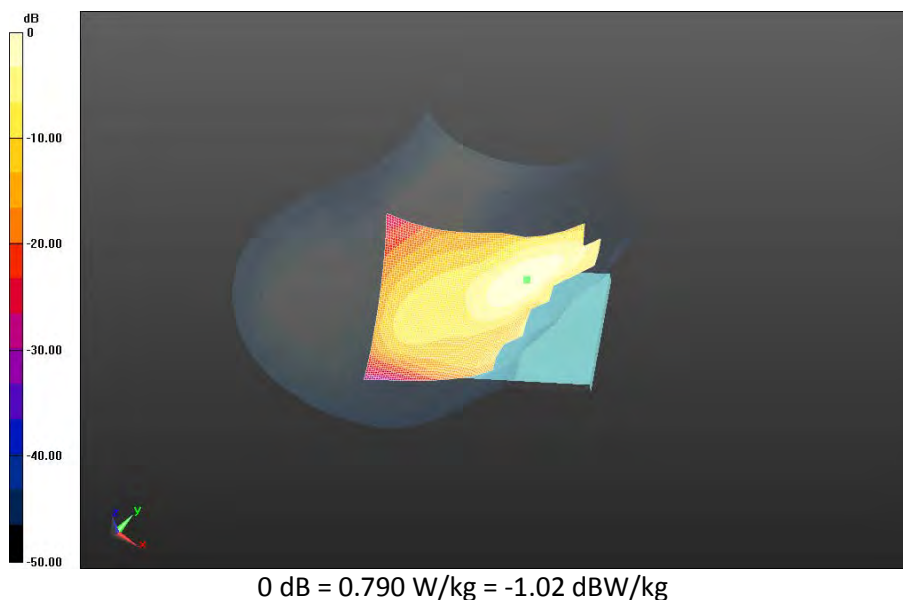
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0 dB = 0.723 W/kg = -1.41 dBW/kg

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**Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band
4_chan20175_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_22.5C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.436 V/m; **Power Drift = 0.033 dB**

Fast SAR: SAR(1g) = 0.643 W/kg; SAR(10g) = 0.373 W/kg
Maximum value of SAR (interpolated) = 0.790 W/kg



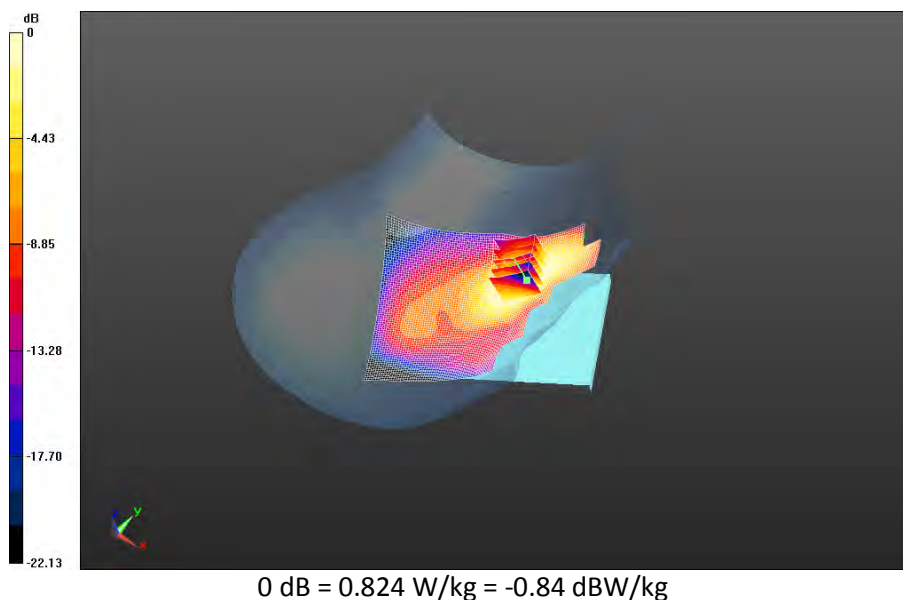
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**Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band
4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_22.5C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.876 V/m; **Power Drift = -0.020 dB**

Fast SAR: SAR(1g) = 0.732 W/kg; SAR(10g) = 0.423 W/kg
Maximum value of SAR (interpolated) = 0.902 W/kg

**Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band
4_chan20300_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_22.5C/Zoom Scan
(21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.876 V/m; **Power Drift = -0.020 dB**

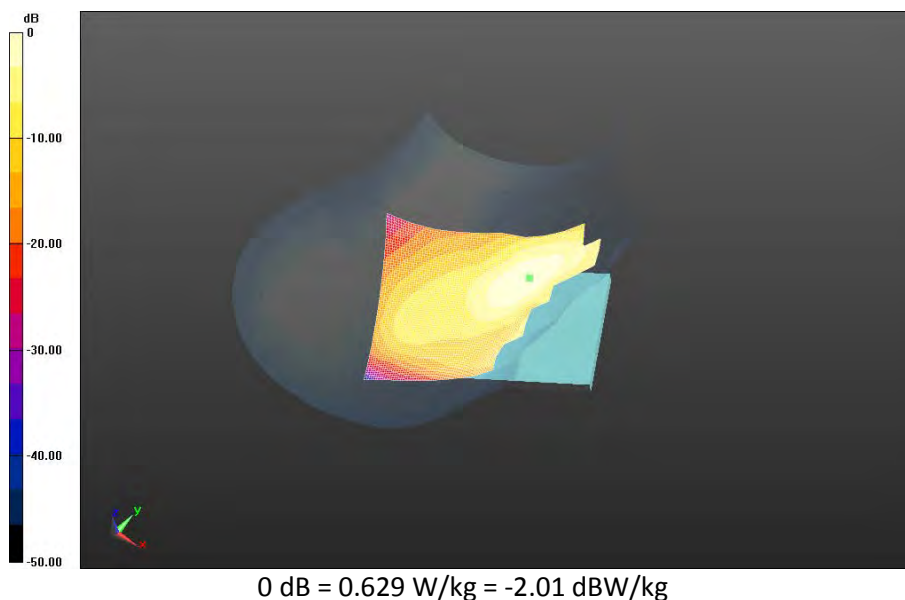
Averaged SAR: SAR(1g) = 0.730 W/kg; SAR(10g) = 0.465 W/kg
Maximum value of SAR (interpolated) = 1.03 W/kg



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Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band 4_chan20175_20MHz_BW_RB50_Offset_High_amb_temp_23.7C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.521 V/m; **Power Drift = -0.042 dB**

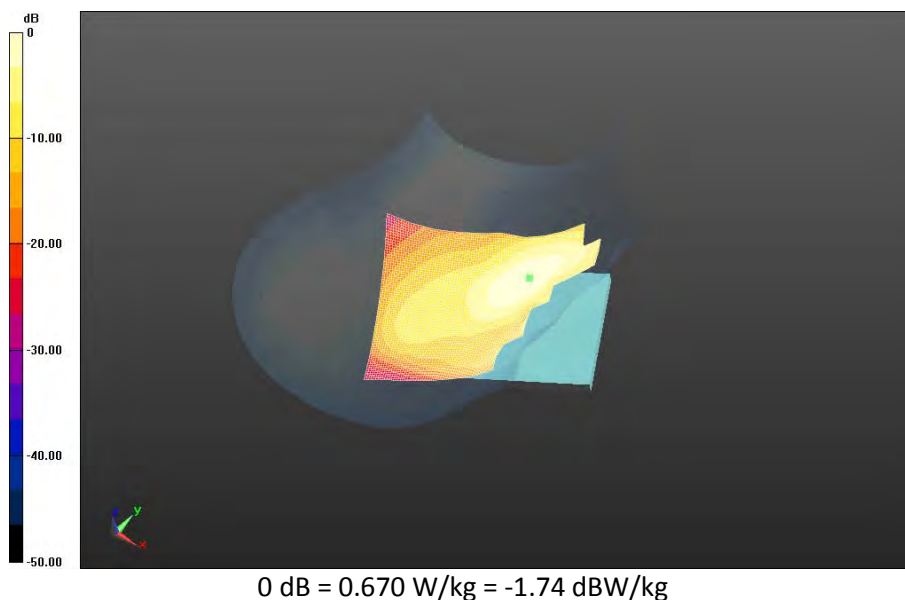
Fast SAR: SAR(1g) = 0.510 W/kg; SAR(10g) = 0.295 W/kg
Maximum value of SAR (interpolated) = 0.629 W/kg



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**Right-Hand-Side HSL - LTE Band 4/Touch Position - LTE band
4_chan20300_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_22.4C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.477 V/m; **Power Drift = 0.017 dB**

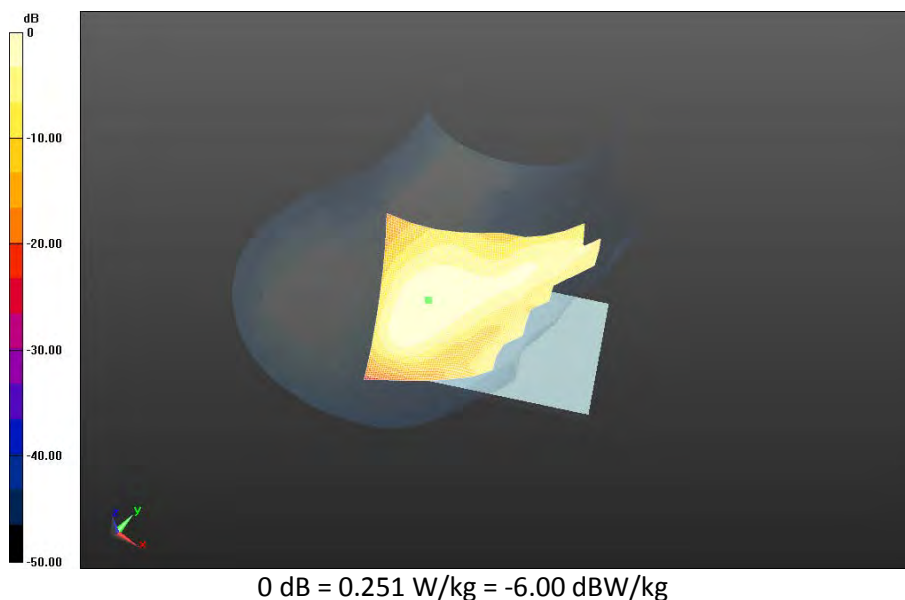
Fast SAR: SAR(1g) = 0.543 W/kg; SAR(10g) = 0.314 W/kg
Maximum value of SAR (interpolated) = 0.670 W/kg



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**Right-Hand-Side HSL - LTE Band 4/Tilt Position - LTE band
4_chan20175_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_22.3C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.894 V/m; **Power Drift = 0.113 dB**

Fast SAR: SAR(1g) = 0.211 W/kg; SAR(10g) = 0.131 W/kg
Maximum value of SAR (interpolated) = 0.251 W/kg



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Date: 11/13/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1732.5 MHz

Medium Parameters used: $f=1732.5$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 38.440$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE band

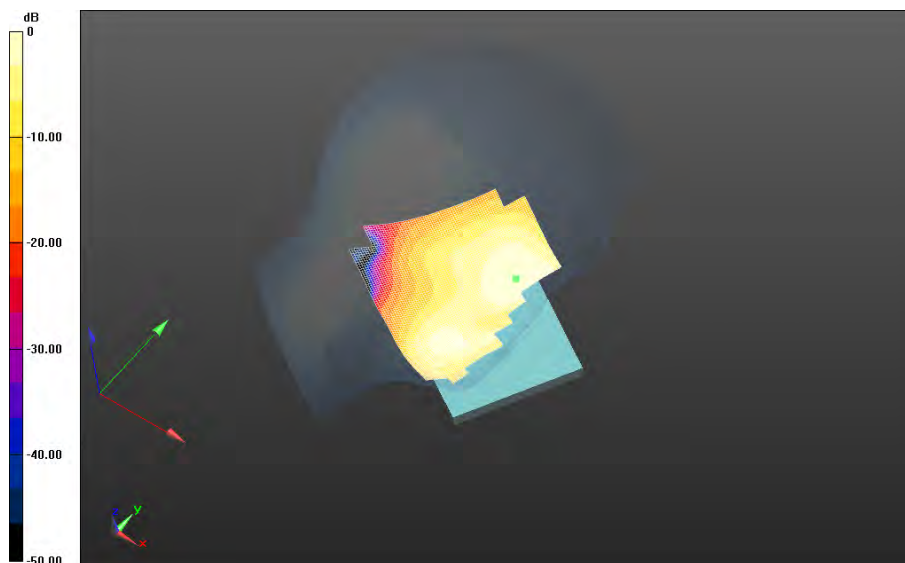
4_chan20175_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_22.3C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.517 V/m; **Power Drift = -0.088 dB**

Fast SAR: SAR(1g) = 0.291 W/kg; SAR(10g) = 0.176 W/kg

Maximum value of SAR (interpolated) = 0.351 W/kg



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

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Left-Hand-Side HSL - LTE Band 4/Tilt Position - LTE band

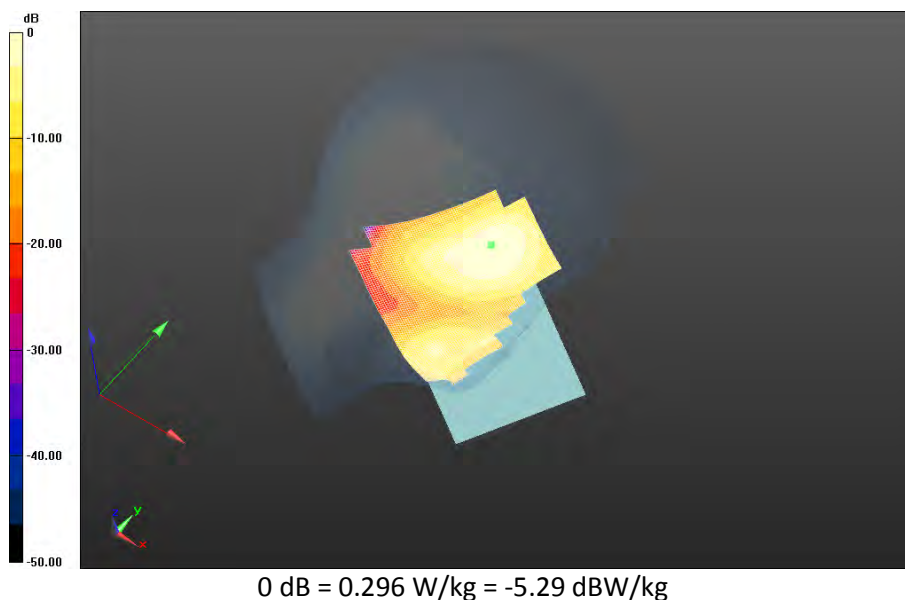
4_chan20175_20MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_22.2C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 9.978 V/m; **Power Drift = 0.039 dB**

Fast SAR: SAR(1g) = 0.233 W/kg; SAR(10g) = 0.141 W/kg

Maximum value of SAR (interpolated) = 0.296 W/kg



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UMTS Band IV

Date: 11/14/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

Configuration: Right-Hand-Side HSL - UMTS Band IV

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1712.4 MHz

Medium Parameters used: $f=1712.4$ MHz; $\sigma = 1.362$ S/m; $\epsilon_r = 38.549$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS band

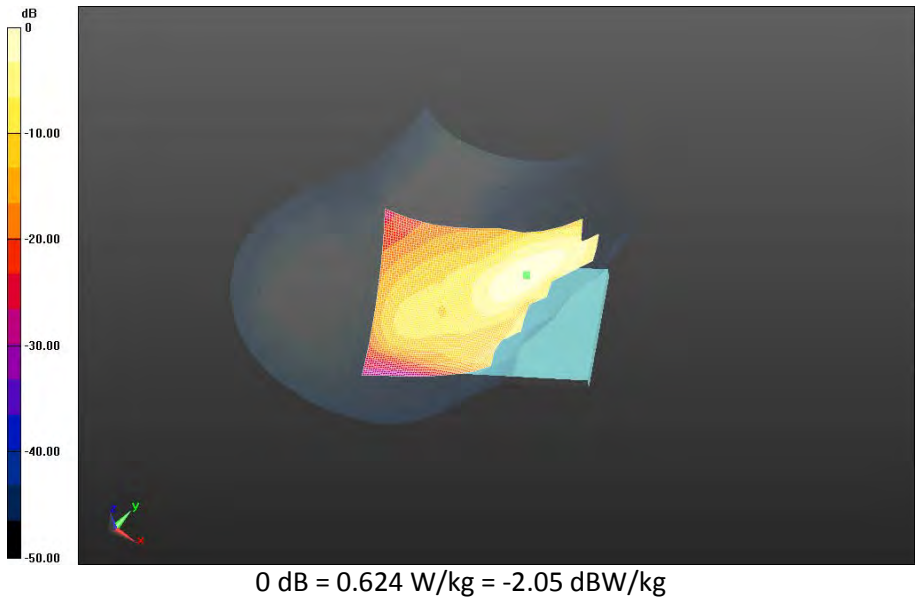
IV_chan1312_amb_temp_23.3C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 7.896 V/m; **Power Drift = 0.056 dB**

Fast SAR: SAR(1g) = 0.500 W/kg; SAR(10g) = 0.286 W/kg

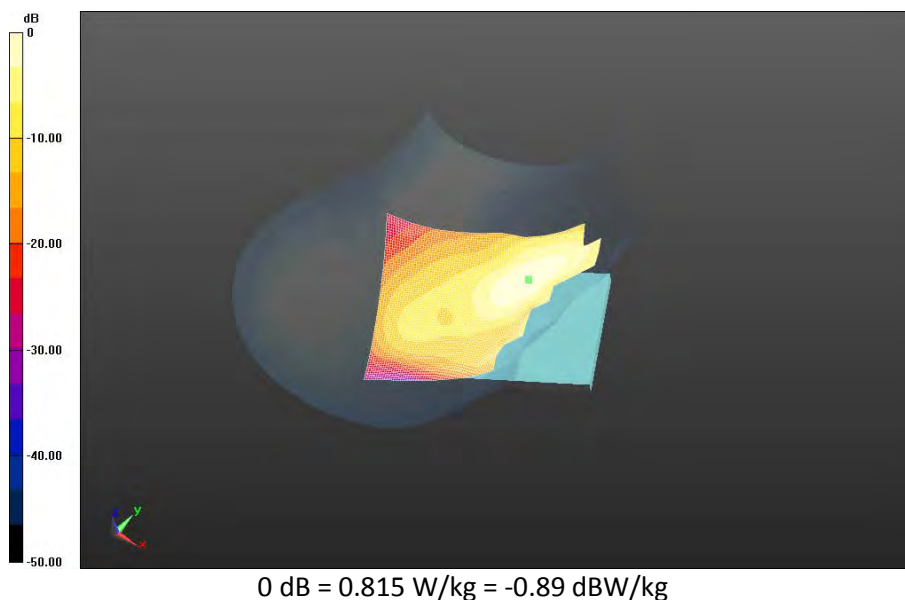
Maximum value of SAR (interpolated) = 0.624 W/kg



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**Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS band
IV_chan1413_amb_temp_23.2C_liq_temp_21.6C/Area Scan (121x171x1):** Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.884 V/m; **Power Drift = 0.043 dB**

Fast SAR: SAR(1g) = 0.653 W/kg; SAR(10g) = 0.374 W/kg
Maximum value of SAR (interpolated) = 0.815 W/kg



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Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS band

IV_chan1513_amb_temp_23.5C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 10.069 V/m; **Power Drift = 0.023 dB**

Fast SAR: SAR(1g) = 0.807 W/kg; SAR(10g) = 0.465 W/kg

Maximum value of SAR (interpolated) = 0.977 W/kg

Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS band

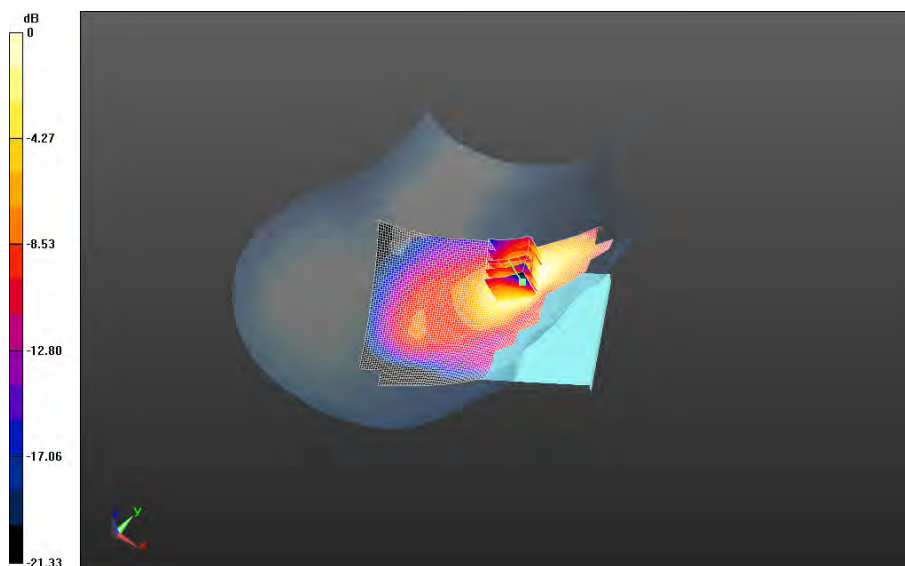
IV_chan1513_amb_temp_23.5C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 10.069 V/m; **Power Drift = 0.023 dB**

Averaged SAR: SAR(1g) = 0.807 W/kg; SAR(10g) = 0.509 W/kg

Maximum value of SAR (interpolated) = 1.13 W/kg



0 dB = 0.912 W/kg = -0.40 dBW/kg

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Right-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS band

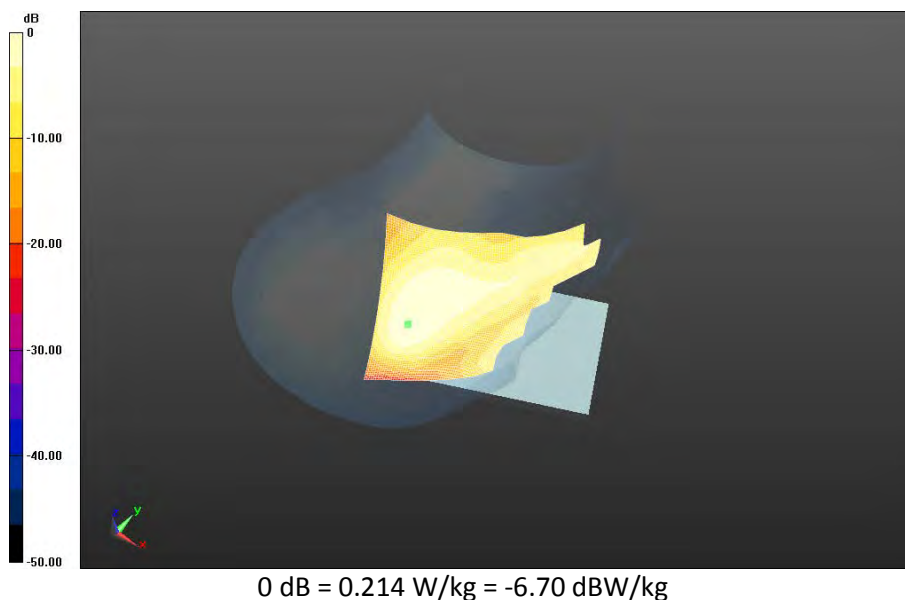
IV_chan1413_amb_temp_23.3C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.115 V/m; **Power Drift = -0.00704 dB**

Fast SAR: SAR(1g) = 0.177 W/kg; SAR(10g) = 0.110 W/kg

Maximum value of SAR (interpolated) = 0.214 W/kg



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Date: 11/14/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1732.6 MHz

Medium Parameters used: $f=1732.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 38.437$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS band

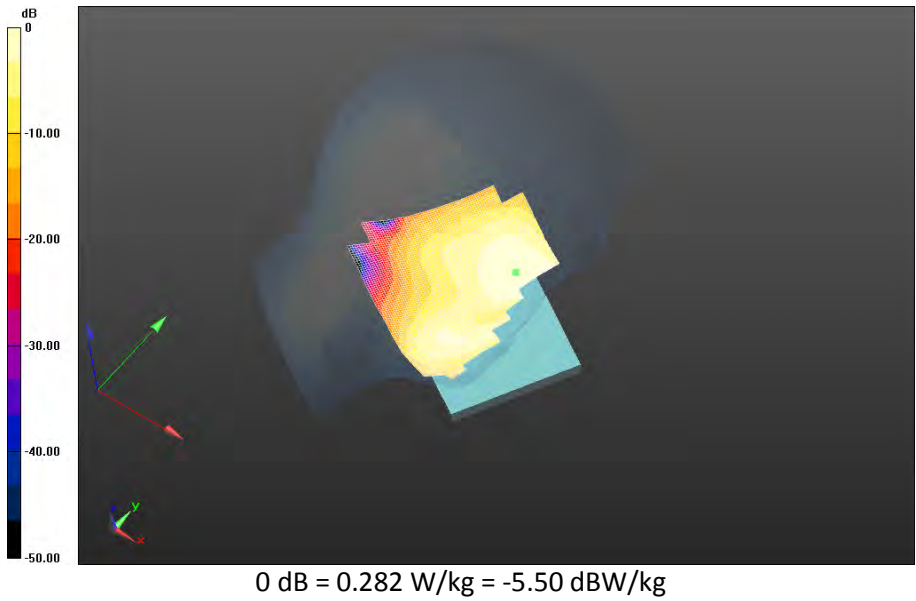
IV_chan1413_amb_temp_23.5C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 6.488 V/m; **Power Drift = 0.072 dB**

Fast SAR: SAR(1g) = 0.234 W/kg; SAR(10g) = 0.144 W/kg

Maximum value of SAR (interpolated) = 0.282 W/kg



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Left-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS band

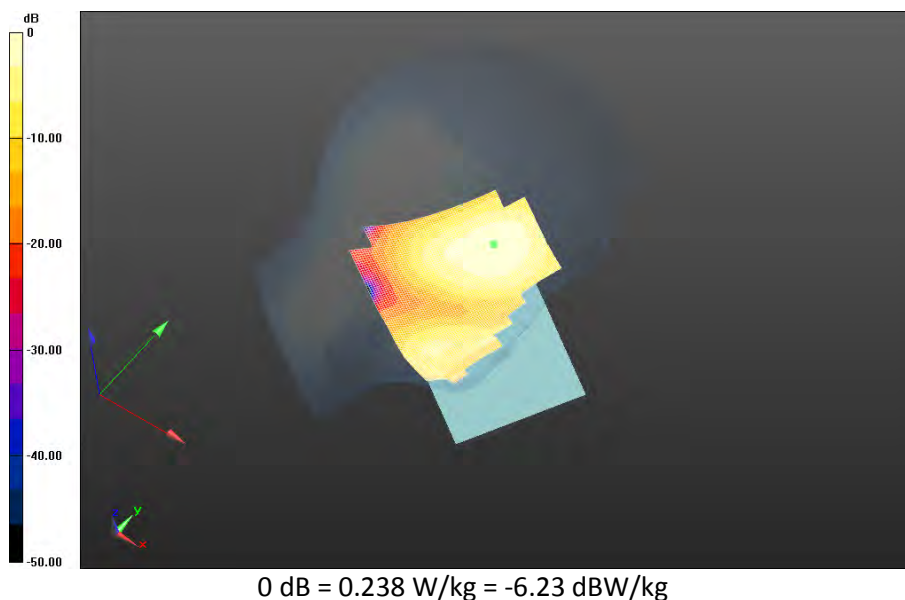
IV_chan1413_amb_temp_23.3C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 9.316 V/m; **Power Drift = 0.065 dB**

Fast SAR: SAR(1g) = 0.191 W/kg; SAR(10g) = 0.117 W/kg

Maximum value of SAR (interpolated) = 0.238 W/kg



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LTE Band 2

Date: 11/12/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 1.380$ S/m; $\epsilon_r = 39.083$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band

2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.216 V/m; **Power Drift = -0.0072 dB**

Fast SAR: SAR(1g) = 1.05 W/kg; SAR(10g) = 0.595 W/kg

Maximum value of SAR (interpolated) = 1.28 W/kg

Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band

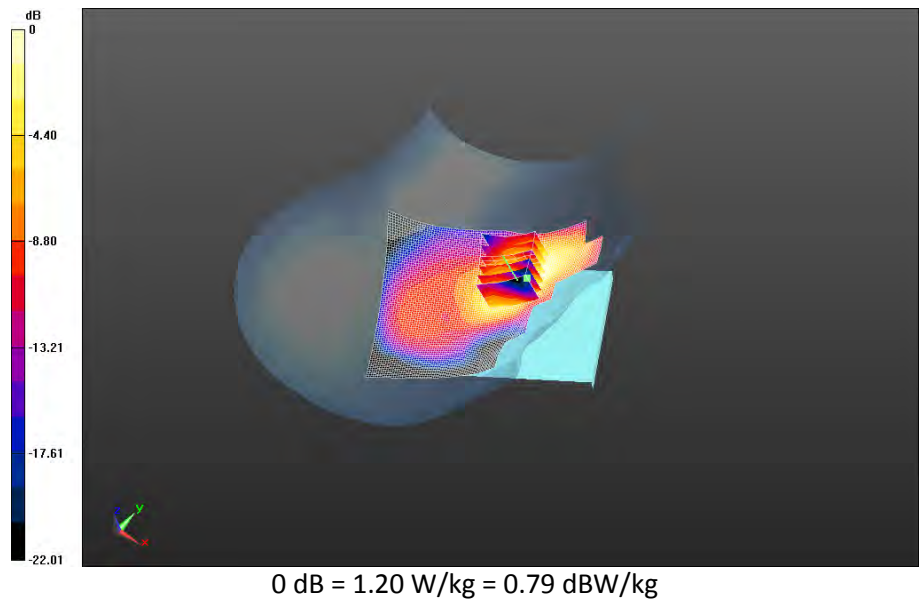
2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Zoom Scan

(26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 11.216 V/m; **Power Drift = -0.0072 dB**

Averaged SAR: SAR(1g) = 1.08 W/kg; SAR(10g) = 0.686 W/kg

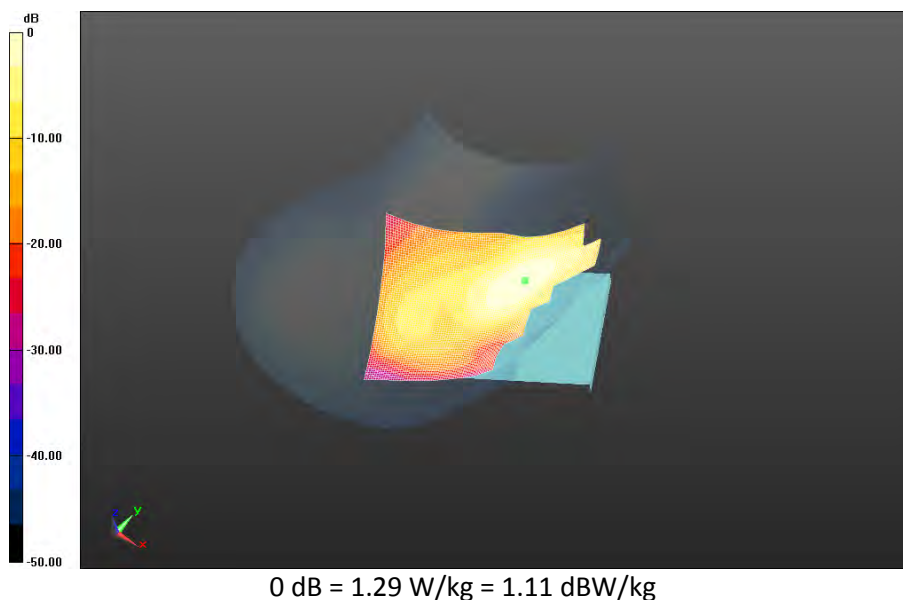
Maximum value of SAR (interpolated) = 1.53 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan18900_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.9C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.758 V/m; **Power Drift = -0.063 dB**

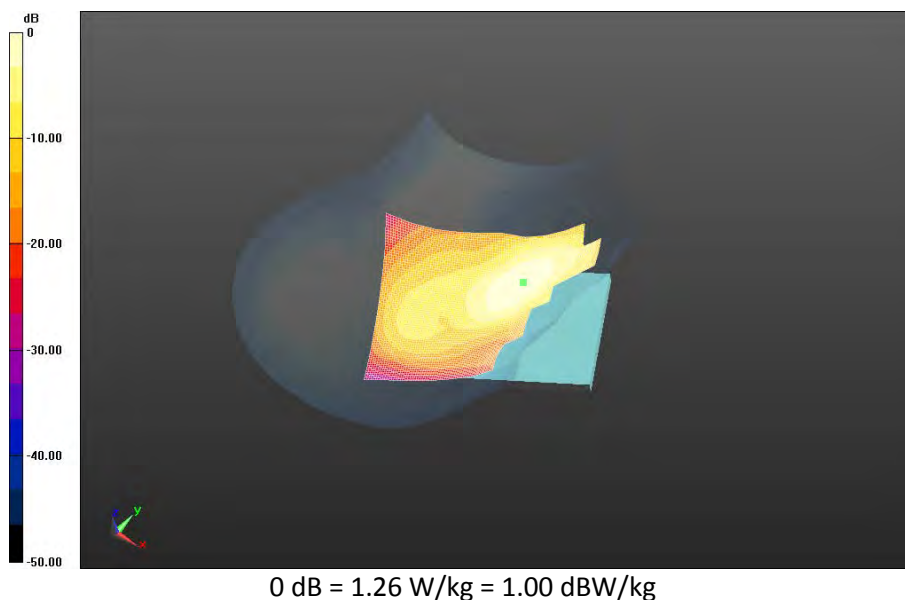
Fast SAR: SAR(1g) = 1.05 W/kg; SAR(10g) = 0.596 W/kg
Maximum value of SAR (interpolated) = 1.29 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.9C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.380 V/m; **Power Drift = 0.125 dB**

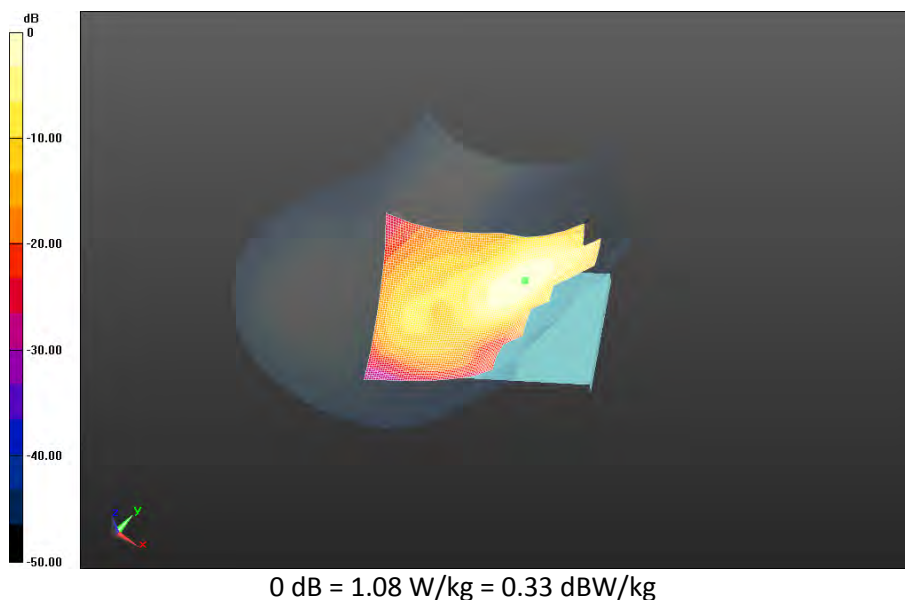
Fast SAR: SAR(1g) = 1.03 W/kg; SAR(10g) = 0.580 W/kg
Maximum value of SAR (interpolated) = 1.26 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan18700_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_21.7C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.065 V/m; **Power Drift = 0.059 dB**

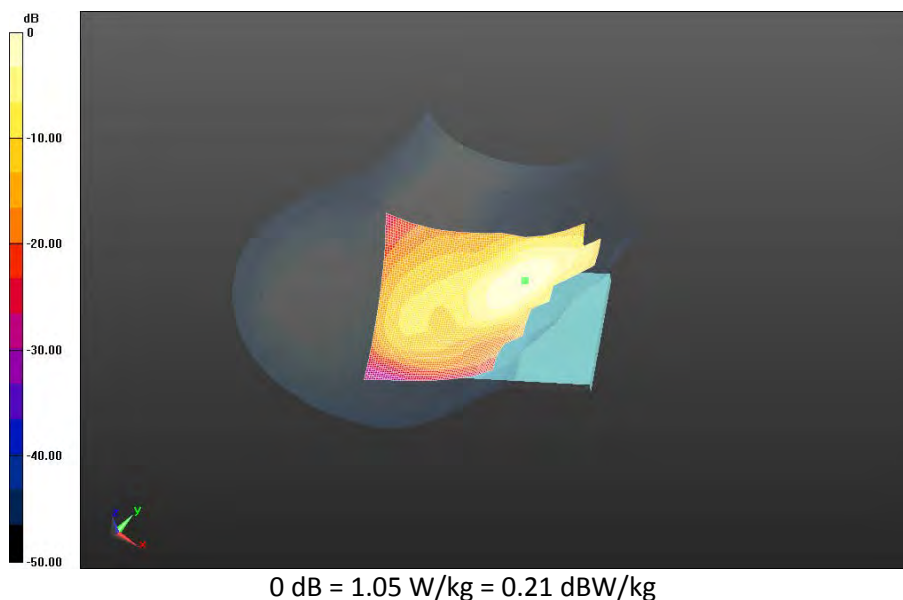
Fast SAR: SAR(1g) = 0.883 W/kg; SAR(10g) = 0.500 W/kg
Maximum value of SAR (interpolated) = 1.08 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan18900_20MHz_BW_RB50_Offset_High_amb_temp_23.7C_liq_temp_21.7C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.928 V/m; **Power Drift = 0.030 dB**

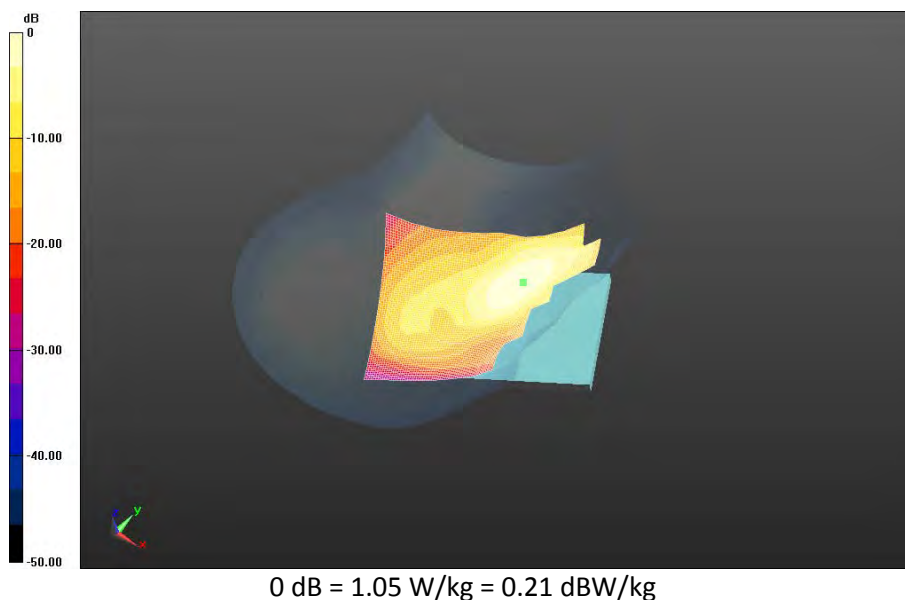
Fast SAR: SAR(1g) = 0.859 W/kg; SAR(10g) = 0.486 W/kg
Maximum value of SAR (interpolated) = 1.05 W/kg



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Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan19100_20MHz_BW_RB50_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Area Scan
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.817 V/m; **Power Drift = 0.100 dB**

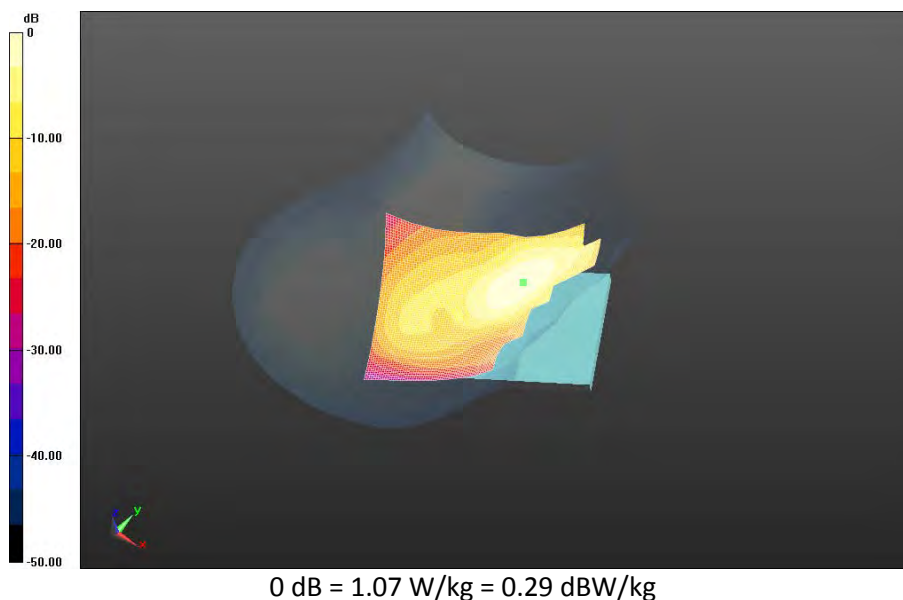
Fast SAR: SAR(1g) = 0.854 W/kg; SAR(10g) = 0.481 W/kg
Maximum value of SAR (interpolated) = 1.05 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Touch Position - LTE band
2_chan19100_20MHz_BW_RB100_Offset_Low_amb_temp_23.7C_liq_temp_21.7C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.979 V/m; **Power Drift = 0.014 dB**

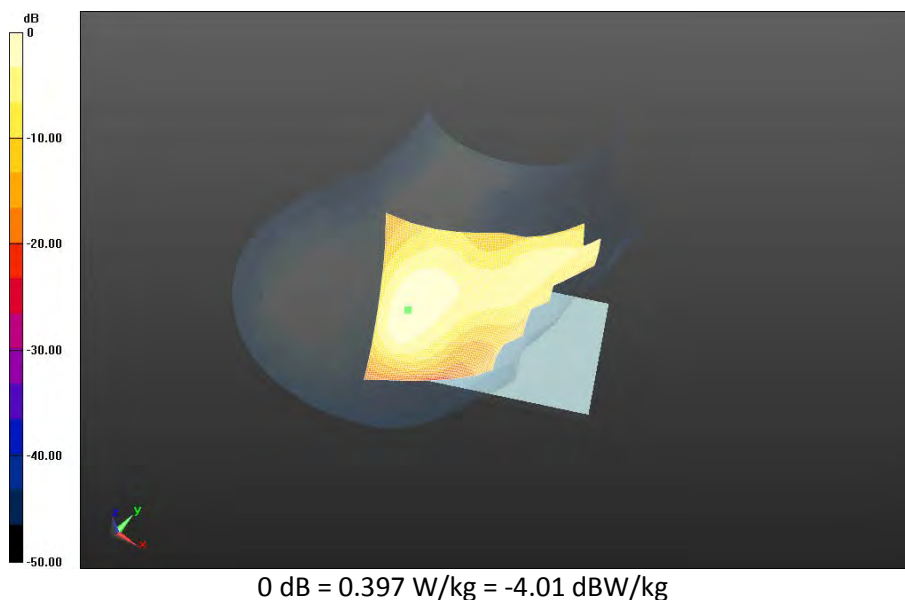
Fast SAR: SAR(1g) = 0.872 W/kg; SAR(10g) = 0.492 W/kg
Maximum value of SAR (interpolated) = 1.07 W/kg



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**Right-Hand-Side HSL - LTE Band 2/Tilt Position - LTE band
2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.7C_liq_temp_21.6C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.766 V/m; **Power Drift = 0.068 dB**

Fast SAR: SAR(1g) = 0.320 W/kg; SAR(10g) = 0.186 W/kg
Maximum value of SAR (interpolated) = 0.397 W/kg



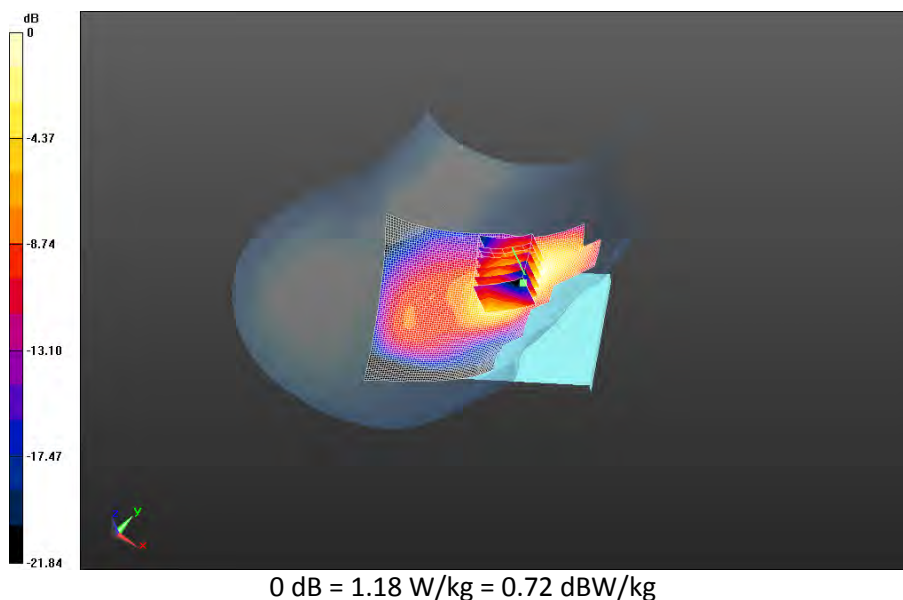
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**Right-Hand-Side HSL - LTE Band 2/2nd Scan Touch Position - LTE band
2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_liq_temp_21.8C/Area Scan
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.492 V/m; **Power Drift = 0.049 dB**

Fast SAR: SAR(1g) = 1.06 W/kg; SAR(10g) = 0.599 W/kg
Maximum value of SAR (interpolated) = 1.28 W/kg

**Right-Hand-Side HSL - LTE Band 2/2nd Scan Touch Position - LTE band
2_chan18700_20MHz_BW_RB1_Offset_Low_amb_temp_23.7C_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 = 11.492 V/m; **Power Drift = 0.049 dB**

Averaged SAR: SAR(1g) = 1.06 W/kg; SAR(10g) = 0.672 W/kg
Maximum value of SAR (interpolated) = 1.52 W/kg



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Date: 11/12/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1900 MHz

Medium Parameters used: $f=1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 38.864$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - LTE Band 2/Touch Position - LTE band

2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_21.7C/Area Scan

(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.810 V/m; **Power Drift = 0.025 dB**

Fast SAR: SAR(1g) = 0.409 W/kg; SAR(10g) = 0.239 W/kg

Maximum value of SAR (interpolated) = 0.500 W/kg

Left-Hand-Side HSL - LTE Band 2/Touch Position - LTE band

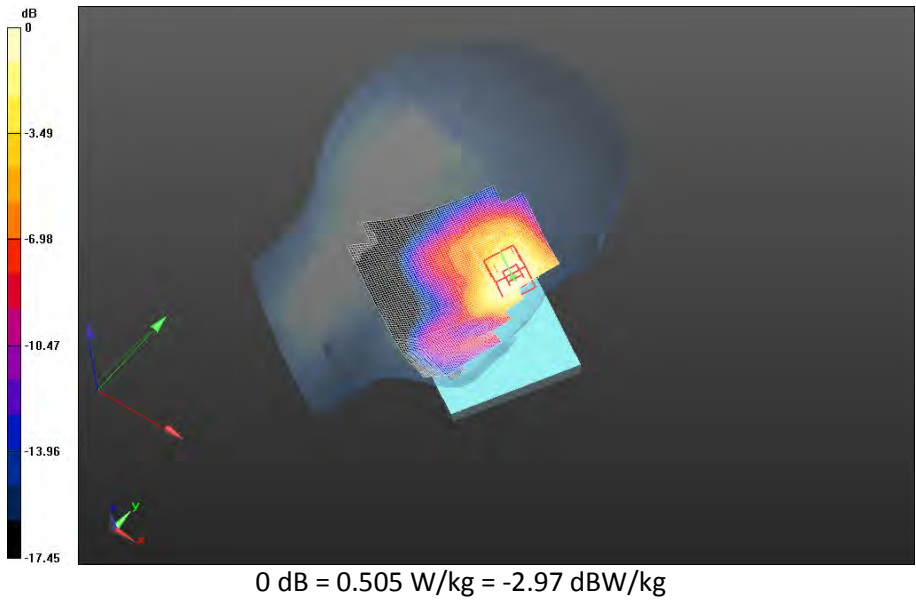
2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.8C_liq_temp_21.7C/Zoom Scan

(21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 7.810 V/m; **Power Drift = 0.025 dB**

Averaged SAR: SAR(1g) = 0.436 W/kg; SAR(10g) = 0.276 W/kg

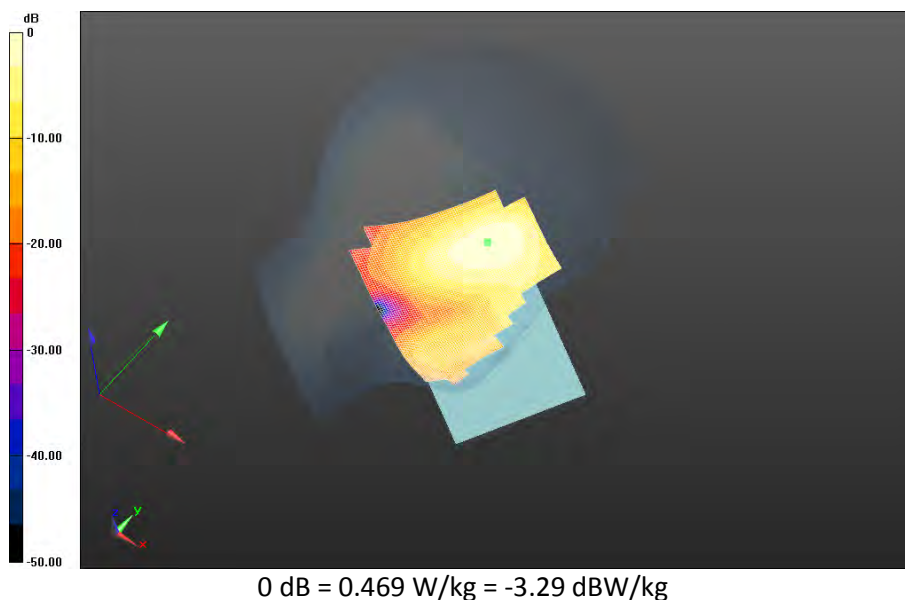
Maximum value of SAR (interpolated) = 0.640 W/kg



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Left-Hand-Side HSL - LTE Band 2/Tilt Position - LTE band
2_chan19100_20MHz_BW_RB1_Offset_High_amb_temp_23.6C_liq_temp_21.7C/Area Scan
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.655 V/m; **Power Drift = -0.110 dB**

Fast SAR: SAR(1g) = 0.356 W/kg; SAR(10g) = 0.210 W/kg
Maximum value of SAR (interpolated) = 0.469 W/kg



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GSM 1900

Date: 11/12/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Right-Hand-Side HSL - DTM 1900

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1850.2 MHz

Medium Parameters used: $f=1850.2$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 39.132$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-

slots_chan512_amb_temp_23.3C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 9.120 V/m; **Power Drift = -0.051 dB**

Fast SAR: SAR(1g) = 0.686 W/kg; SAR(10g) = 0.394 W/kg

Maximum value of SAR (interpolated) = 0.830 W/kg

Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-

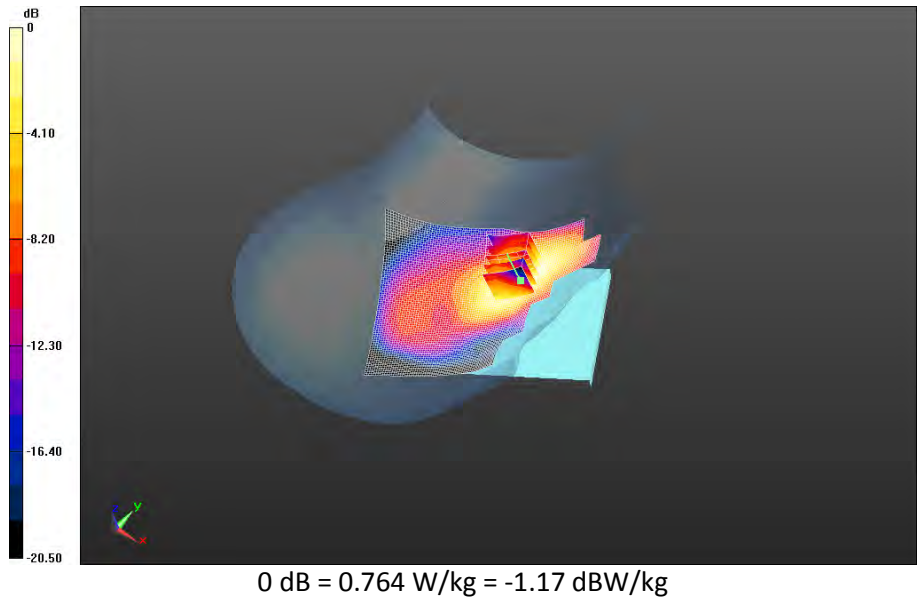
slots_chan512_amb_temp_23.3C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0:

Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 9.120 V/m; **Power Drift = -0.051 dB**

Averaged SAR: SAR(1g) = 0.694 W/kg; SAR(10g) = 0.451 W/kg

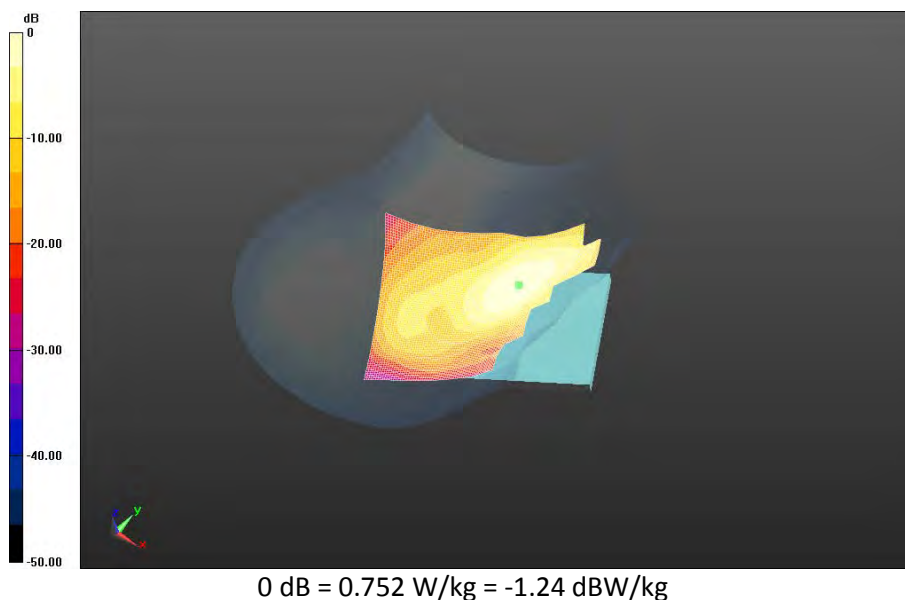
Maximum value of SAR (interpolated) = 0.965 W/kg



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Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slots_chan661_amb_temp_23.4C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.439 V/m; **Power Drift = 0.132 dB**

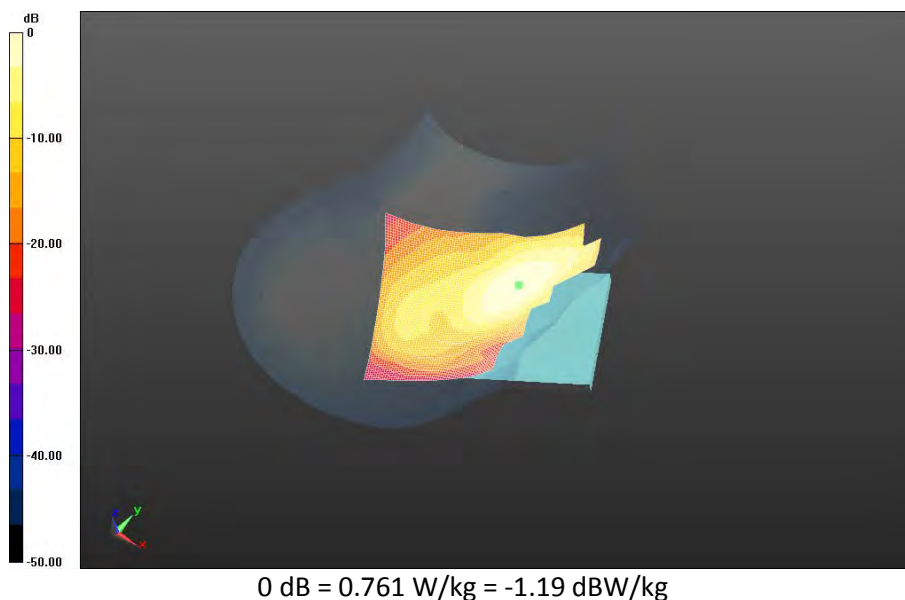
Fast SAR: SAR(1g) = 0.614 W/kg; SAR(10g) = 0.351 W/kg
Maximum value of SAR (interpolated) = 0.752 W/kg



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Right-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-slots_chan810_amb_temp_23.3C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.747 V/m; **Power Drift = -0.020 dB**

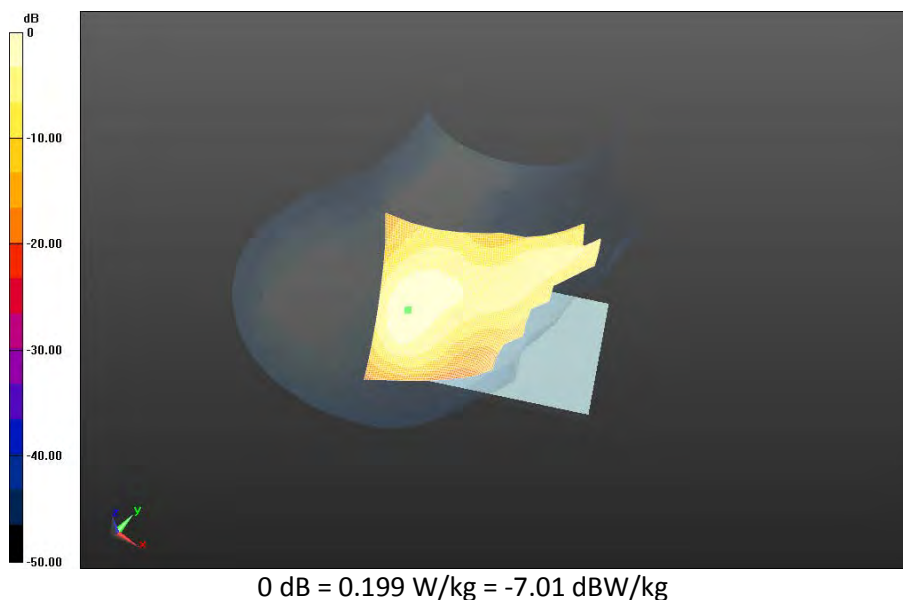
Fast SAR: SAR(1g) = 0.621 W/kg; SAR(10g) = 0.355 W/kg
Maximum value of SAR (interpolated) = 0.761 W/kg



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Right-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-slots_chan661_amb_temp_23.5C_liq_temp_21.5C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 12.018 V/m; **Power Drift = 0.065 dB**

Fast SAR: SAR(1g) = 0.160 W/kg; SAR(10g) = 0.0930 W/kg
Maximum value of SAR (interpolated) = 0.199 W/kg



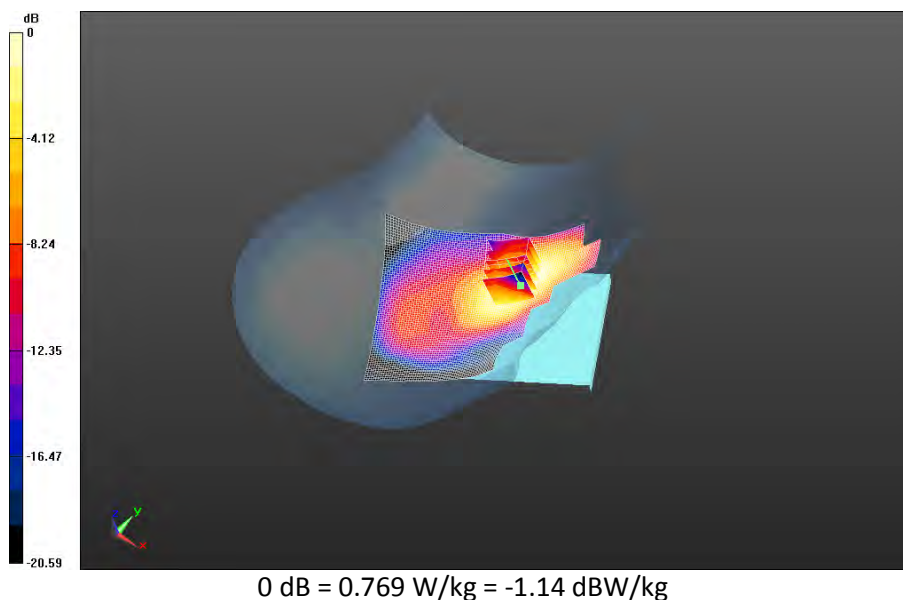
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Right-Hand-Side HSL - DTM 1900/Touch Position- 2nd Scan - DTM1900_2-slots_chan512_amb_temp_23.3C_liq_temp_21.7C 2/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 9.103 V/m; **Power Drift = 0.032 dB**

Fast SAR: SAR(1g) = 0.689 W/kg; SAR(10g) = 0.394 W/kg
Maximum value of SAR (interpolated) = 0.837 W/kg

Right-Hand-Side HSL - DTM 1900/Touch Position- 2nd Scan - DTM1900_2-slots_chan512_amb_temp_23.3C_liq_temp_21.7C 2/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.103 V/m; **Power Drift = 0.032 dB**

Averaged SAR: SAR(1g) = 0.696 W/kg; SAR(10g) = 0.452 W/kg
Maximum value of SAR (interpolated) = 0.945 W/kg



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Date: 11/12/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Left-Hand-Side HSL - DTM 1900

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 38.994$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - DTM 1900/Touch Position - DTM1900_2-

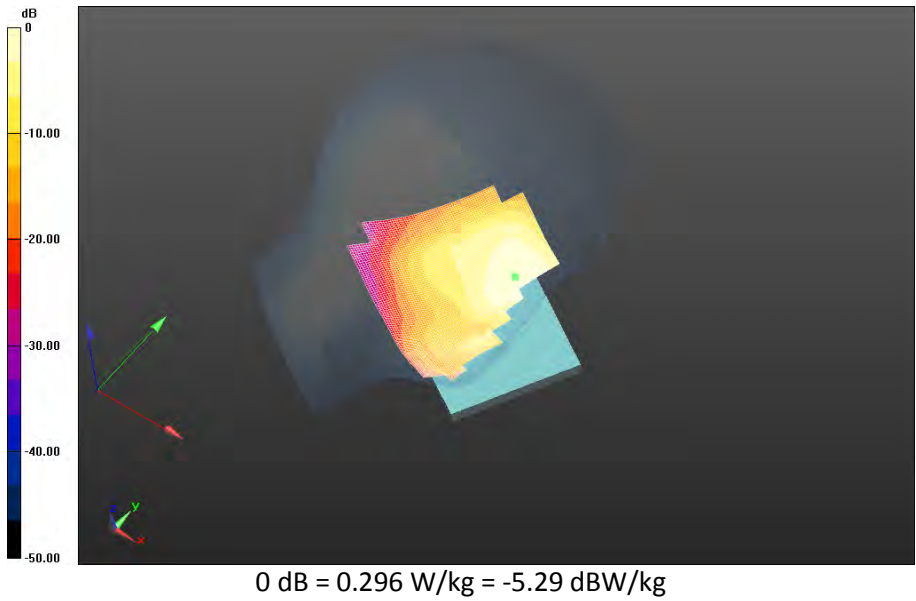
slots_chan661_amb_temp_23.3C_liq_temp_21.6C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 5.421 V/m; **Power Drift = 0.772 dB**

Fast SAR: SAR(1g) = 0.244 W/kg; SAR(10g) = 0.144 W/kg

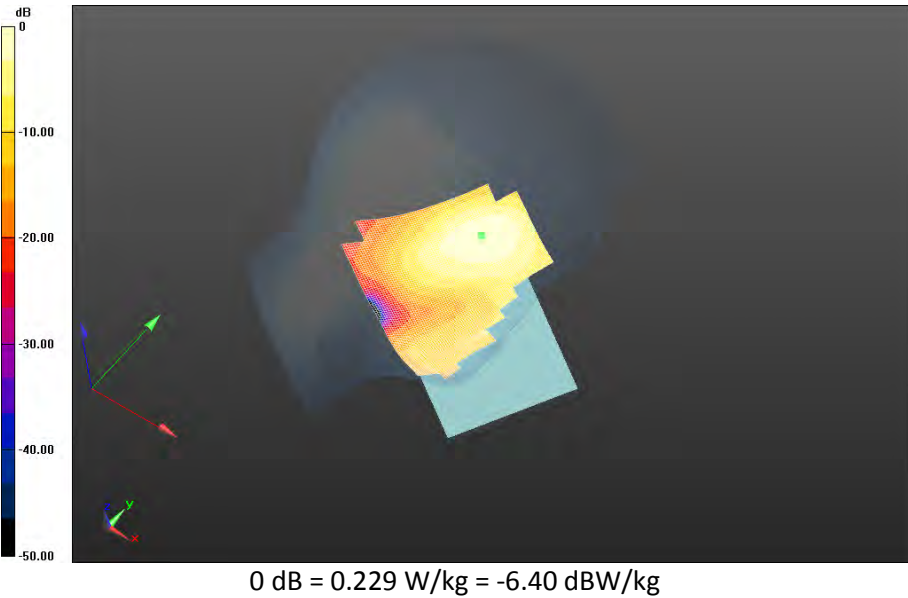
Maximum value of SAR (interpolated) = 0.296 W/kg



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Left-Hand-Side HSL - DTM 1900/Tilt Position - DTM1900_2-slots_chan661_amb_temp_23.8C_liq_temp_21.7C/Area Scan (121x171x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Reference Value = 8.690 V/m; **Power Drift = 0.456 dB**

Fast SAR: SAR(1g) = 0.177 W/kg; SAR(10g) = 0.104 W/kg
Maximum value of SAR (interpolated) = 0.229 W/kg



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UMTS Band II

Date: 11/11/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Right-Hand-Side HSL - UMTS II

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

Frequency: 1852.4 MHz

Medium Parameters used: $f=1852.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.123$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS

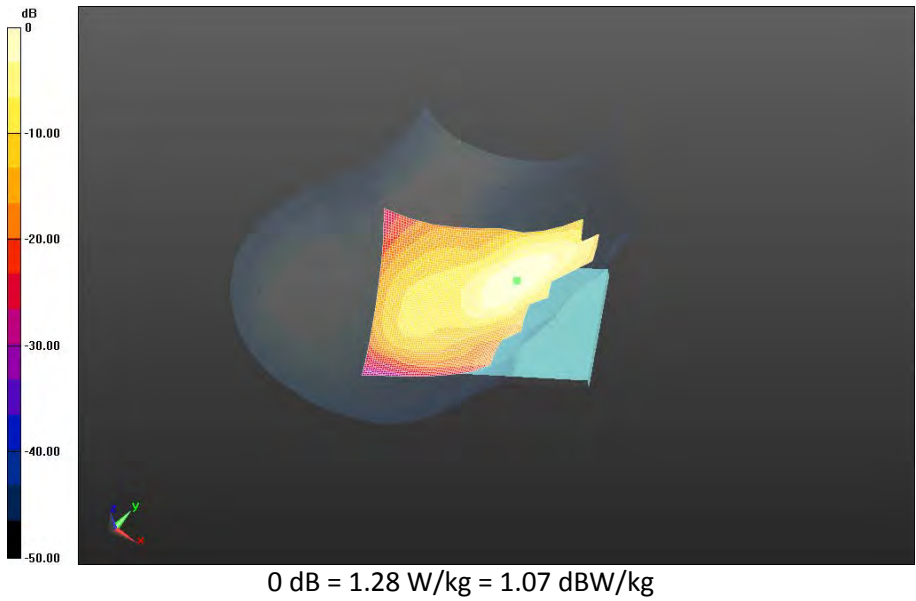
II_chan9262_amb_temp_24.1C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 11.363 V/m; **Power Drift = -0.053 dB**

Fast SAR: SAR(1g) = 1.05 W/kg; SAR(10g) = 0.596 W/kg

Maximum value of SAR (interpolated) = 1.28 W/kg



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Right-Hand-Side HSL - UMTS II/Touch Position -UMTS

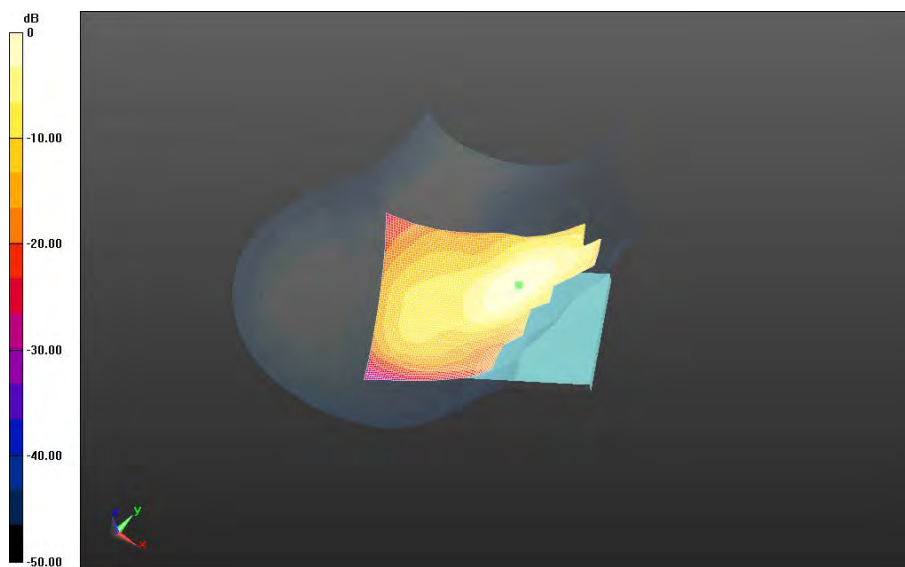
II_chan9400_amb_temp_24.1C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 11.847 V/m; **Power Drift = -0.052 dB**

Fast SAR: SAR(1g) = 1.09 W/kg; SAR(10g) = 0.617 W/kg

Maximum value of SAR (interpolated) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

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Right-Hand-Side HSL - UMTS II/Touch Position -UMTS

II_chan9538_amb_temp_24.1C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 12.036 V/m; **Power Drift = -0.021 dB**

Fast SAR: SAR(1g) = 1.13 W/kg; SAR(10g) = 0.637 W/kg

Maximum value of SAR (interpolated) = 1.39 W/kg

Right-Hand-Side HSL - UMTS II/Touch Position -UMTS

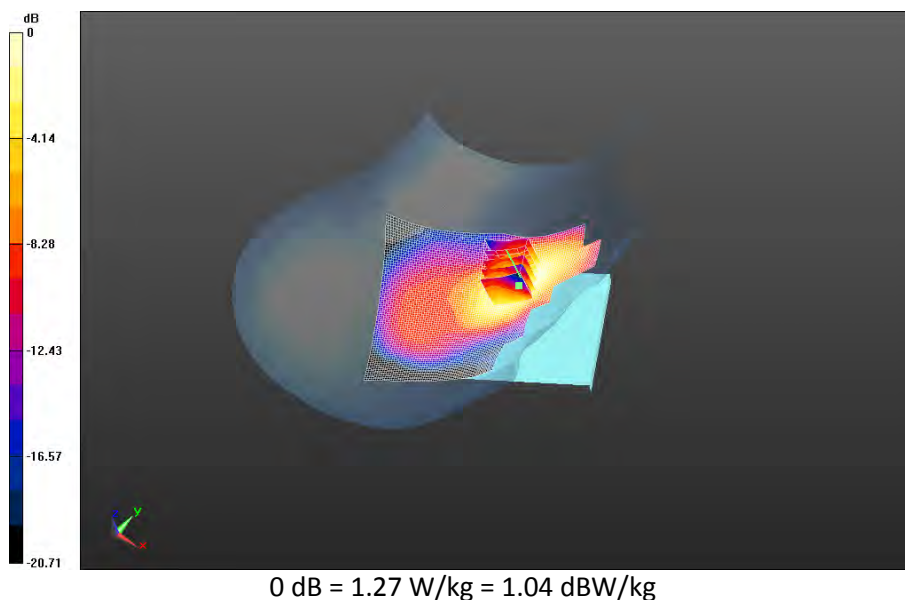
II_chan9538_amb_temp_24.1C_liq_temp_22.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 12.036 V/m; **Power Drift = -0.021 dB**

Averaged SAR: SAR(1g) = 1.13 W/kg; SAR(10g) = 0.723 W/kg

Maximum value of SAR (interpolated) = 1.61 W/kg



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Right-Hand-Side HSL - UMTS II/Tilt Position -UMTS

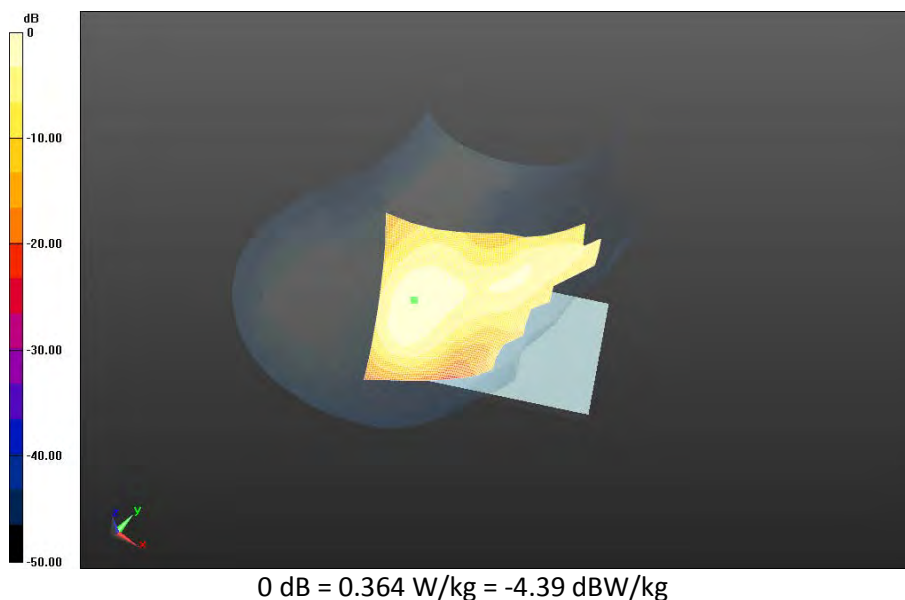
II_chan9400_amb_temp_24.3C_liq_temp_22.5C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 16.164 V/m; **Power Drift = -0.111 dB**

Fast SAR: SAR(1g) = 0.299 W/kg; SAR(10g) = 0.179 W/kg

Maximum value of SAR (interpolated) = 0.364 W/kg



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Right-Hand-Side HSL - UMTS II/Touch Position_2nd Scan -UMTS

II_chan9538_amb_temp_24.3C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 12.120 V/m; **Power Drift = 0.036 dB**

Fast SAR: SAR(1g) = 1.13 W/kg; SAR(10g) = 0.642 W/kg

Maximum value of SAR (interpolated) = 1.39 W/kg

Right-Hand-Side HSL - UMTS II/Touch Position_2nd Scan -UMTS

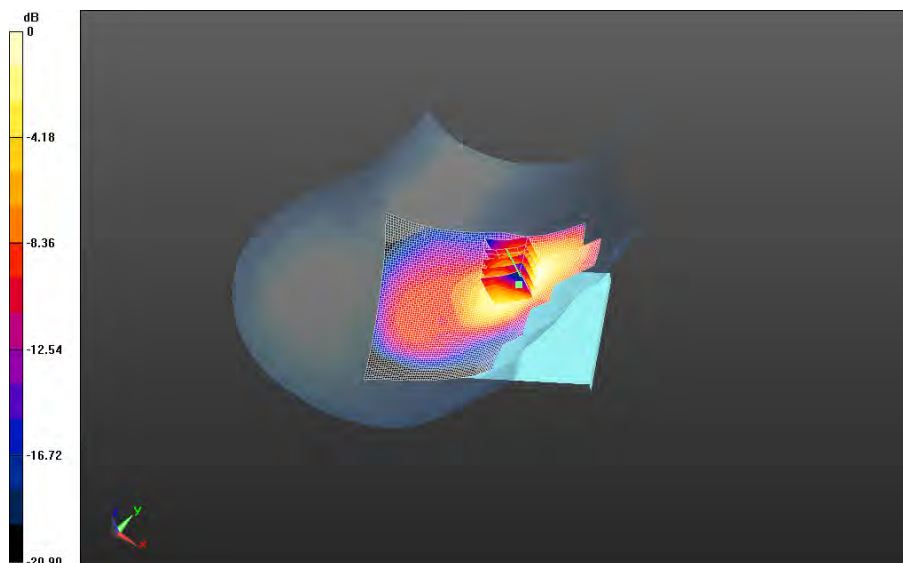
II_chan9538_amb_temp_24.3C_liq_temp_22.4C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 12.120 V/m; **Power Drift = 0.036 dB**

Averaged SAR: SAR(1g) = 1.15 W/kg; SAR(10g) = 0.731 W/kg

Maximum value of SAR (interpolated) = 1.63 W/kg



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

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Date: 11/11/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Left-Hand-Side HSL - UMTS II

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

Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 38.994$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS

II_chan9400_amb_temp_24.2C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 6.696 V/m; **Power Drift = 0.055 dB**

Fast SAR: SAR(1g) = 0.445 W/kg; SAR(10g) = 0.259 W/kg

Maximum value of SAR (interpolated) = 0.545 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS

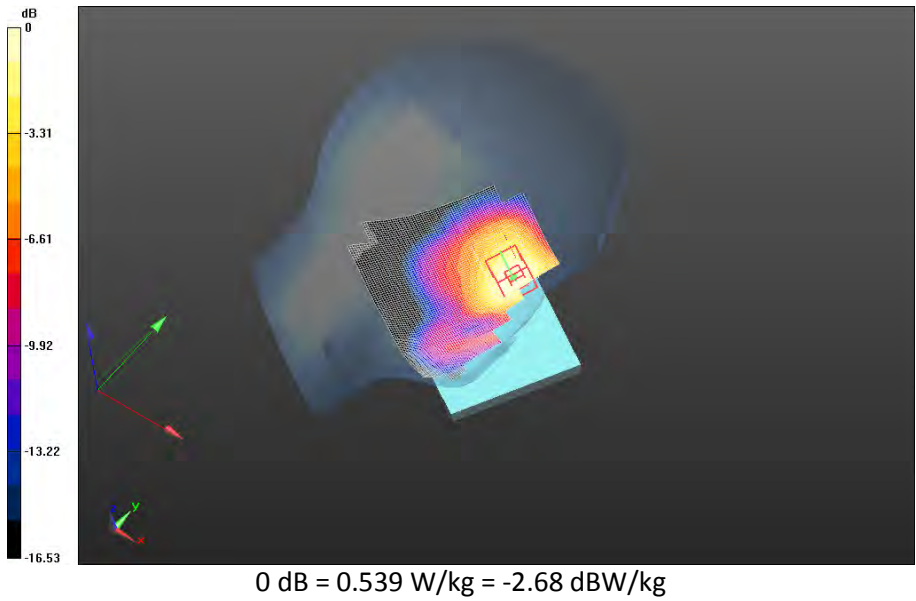
II_chan9400_amb_temp_24.2C_liq_temp_22.4C/Zoom Scan (21x21x36)/Cube 0: Interpolated

grid: $dx=1.500$ mm, $dy=1.500$ mm, $dz=1.000$ mm

Reference Value = 6.696 V/m; **Power Drift = 0.055 dB**

Averaged SAR: SAR(1g) = 0.472 W/kg; SAR(10g) = 0.301 W/kg

Maximum value of SAR (interpolated) = 0.686 W/kg



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Left-Hand-Side HSL - UMTS II/Tilt Position - UMTS

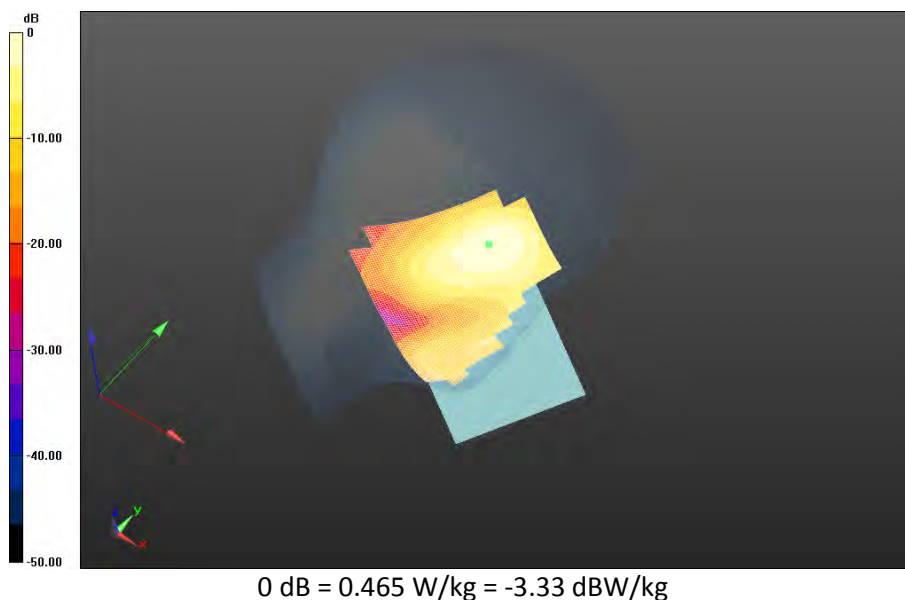
II_chan9400_amb_temp_24.3C_liq_temp_22.4C/Area Scan (121x171x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 11.849 V/m; **Power Drift = -0.111 dB**

Fast SAR: SAR(1g) = 0.342 W/kg; SAR(10g) = 0.203 W/kg

Maximum value of SAR (interpolated) = 0.465 W/kg



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802.11b/g

Date: 11/21/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Right-Hand-Side HSL - 802.11bg

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;

Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.840$ S/m; $\epsilon_r = 38.314$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - 802.11bg/Touch Position -

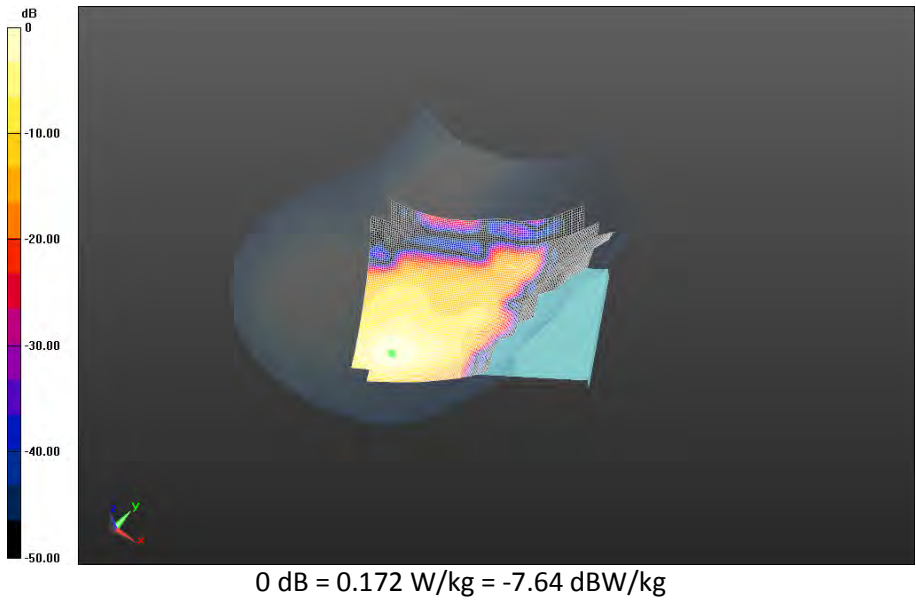
802.11g_chan6_amb_temp_23.8C_liq_temp_21.9C/Area Scan (151x181x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 4.286 V/m; **Power Drift = 0.332 dB**

Fast SAR: SAR(1g) = 0.129 W/kg; SAR(10g) = 0.0637 W/kg

Maximum value of SAR (interpolated) = 0.172 W/kg



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Right-Hand-Side HSL - 802.11bg/Tilt Position -

802.11g_chan6_amb_temp_23.6C_liq_temp_21.8C/Area Scan (121x81x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 5.265 V/m; **Power Drift = 0.019 dB**

Fast SAR: SAR(1g) = 0.147 W/kg; SAR(10g) = 0.0726 W/kg

Maximum value of SAR (interpolated) = 0.199 W/kg

Right-Hand-Side HSL - 802.11bg/Tilt Position -

802.11g_chan6_amb_temp_23.6C_liq_temp_21.8C/Zoom Scan (36x36x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 5.265 V/m; **Power Drift = 0.019 dB**

Averaged SAR: SAR(1g) = 0.139 W/kg; SAR(10g) = 0.0682 W/kg

Maximum value of SAR (interpolated) = 0.297 W/kg

Right-Hand-Side HSL - 802.11bg/Tilt Position -

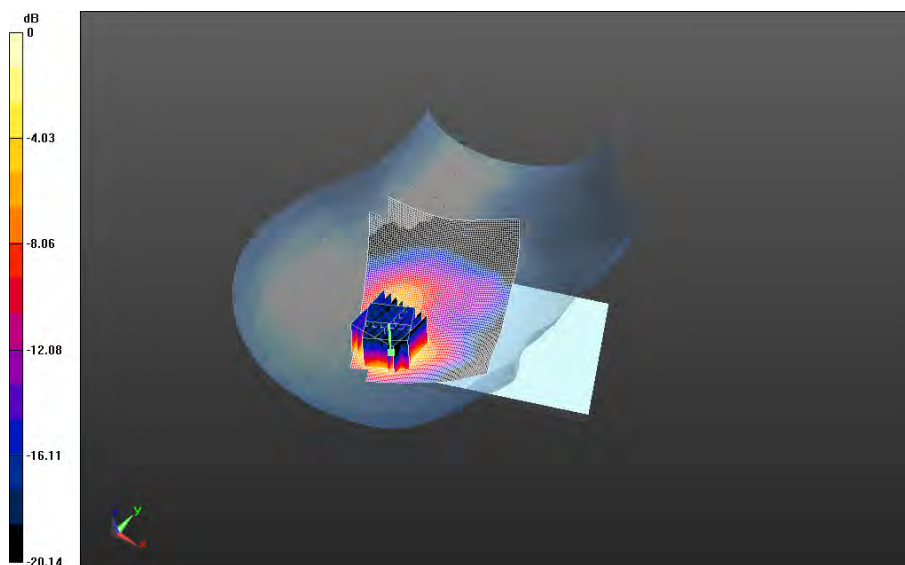
802.11g_chan6_amb_temp_23.6C_liq_temp_21.8C/Zoom Scan 2 (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 5.265 V/m; **Power Drift = -0.00991 dB**

Averaged SAR: SAR(1g) = 0.144 W/kg; SAR(10g) = 0.0700 W/kg

Maximum value of SAR (interpolated) = 0.310 W/kg



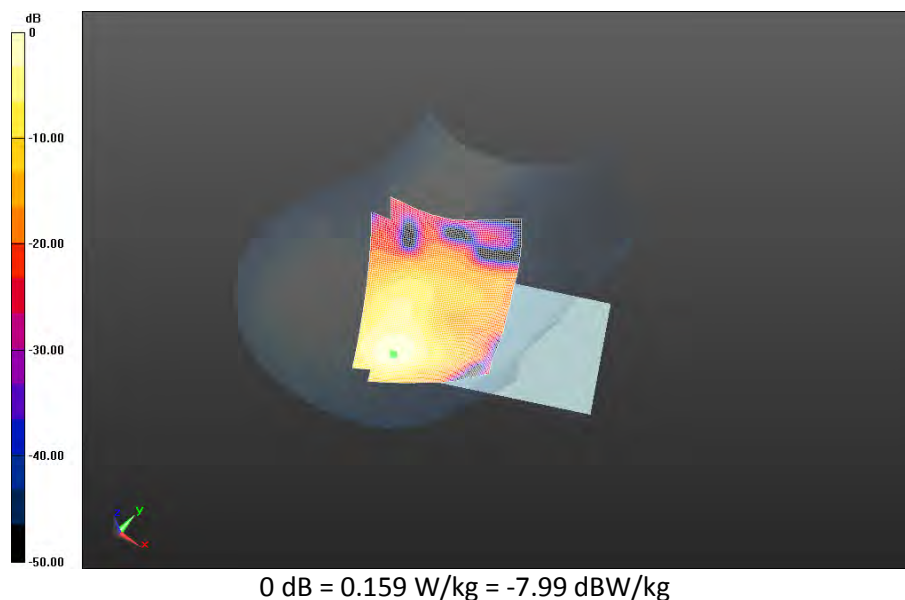
0 dB = 0.186 W/kg = -7.30 dBW/kg

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Right-Hand-Side HSL - 802.11bg/Tilt Position -
802.11b_chan1_amb_temp_23.7C_liq_temp_21.8C/Area Scan (121x81x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 4.725 V/m; **Power Drift = 0.134 dB**

Fast SAR: SAR(1g) = 0.117 W/kg; SAR(10g) = 0.0570 W/kg
Maximum value of SAR (interpolated) = 0.159 W/kg



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Right-Hand-Side HSL - 802.11bg/Tilt Position -

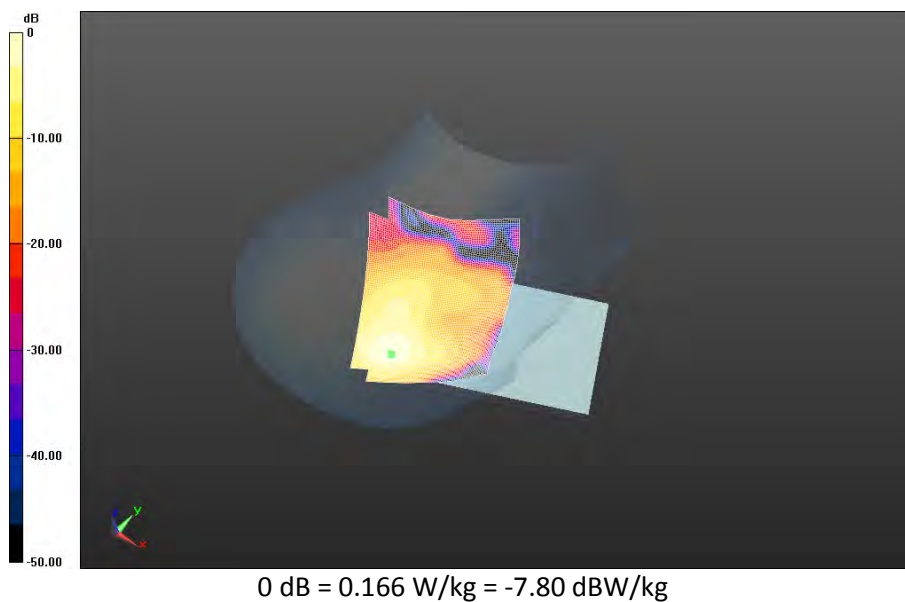
802.11b_chan6_amb_temp_23.6C_liq_temp_21.8C/Area Scan (121x81x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 4.692 V/m; **Power Drift = 0.062 dB**

Fast SAR: SAR(1g) = 0.121 W/kg; SAR(10g) = 0.0591 W/kg

Maximum value of SAR (interpolated) = 0.166 W/kg



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Right-Hand-Side HSL - 802.11bg/Tilt Position -

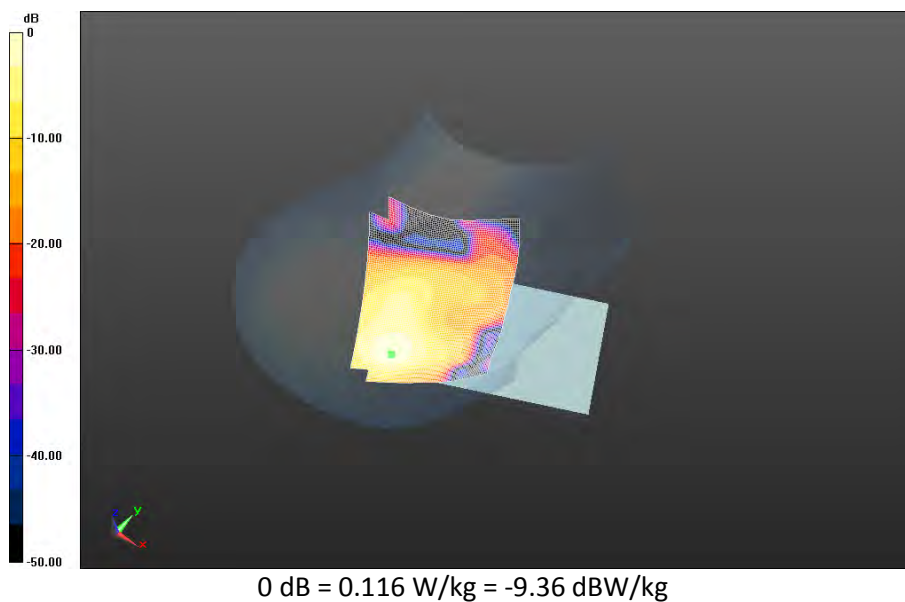
802.11b_chan11_amb_temp_23.6C_liq_temp_21.8C/Area Scan (121x81x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 4.262 V/m; **Power Drift = 0.108 dB**

Fast SAR: SAR(1g) = 0.0837 W/kg; SAR(10g) = 0.0411 W/kg

Maximum value of SAR (interpolated) = 0.116 W/kg



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Date: 11/21/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

Configuration: Left-Hand-Side HSL - 802.11bg

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;

Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.840$ S/m; $\epsilon_r = 38.314$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - 802.11bg/Touch Position -

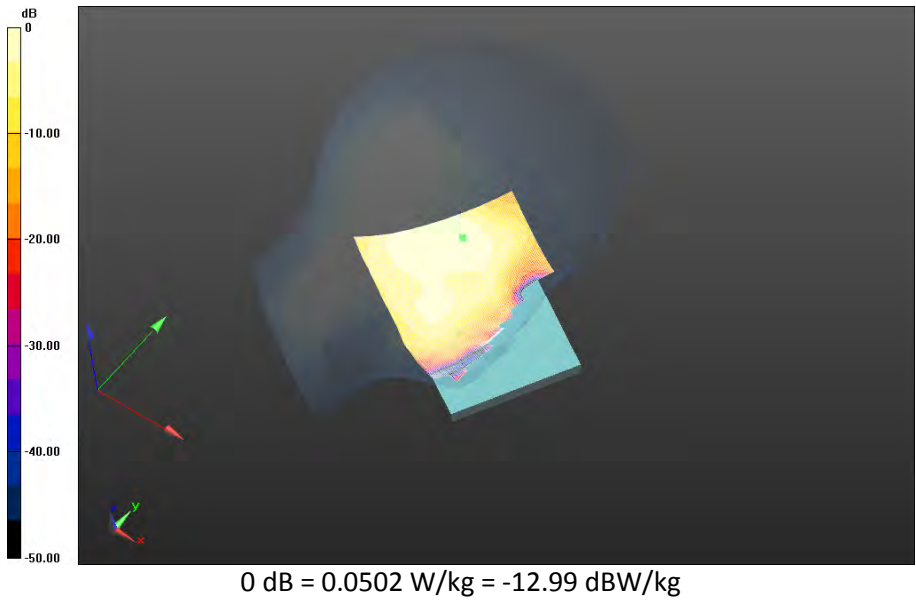
802.11g_chan6_amb_temp_23.6C_liq_temp_20.7C/Area Scan (151x181x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 5.500 V/m; **Power Drift = 0.081 dB**

Fast SAR: SAR(1g) = 0.0395 W/kg; SAR(10g) = 0.0222 W/kg

Maximum value of SAR (interpolated) = 0.0502 W/kg



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Left-Hand-Side HSL - 802.11bg/Tilt Position -

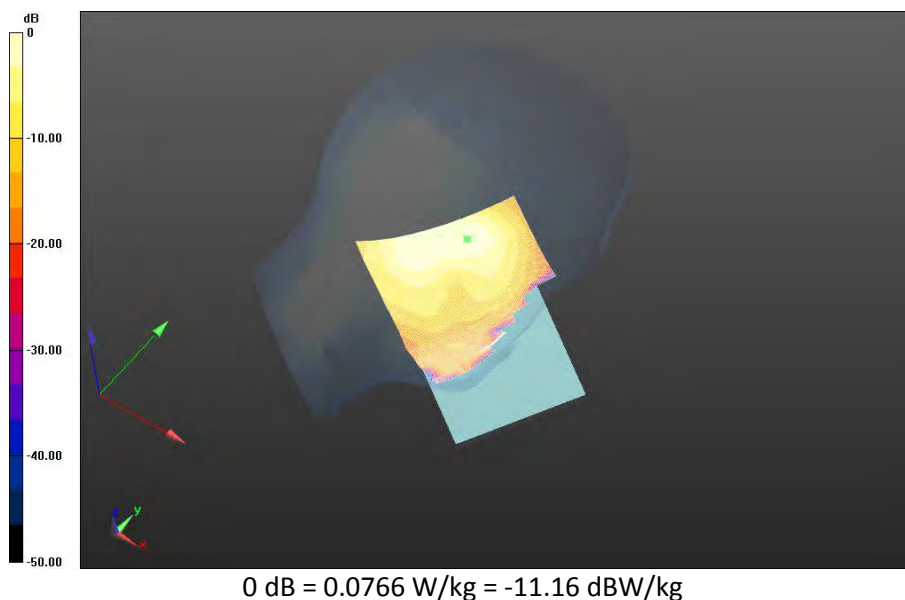
802.11g_chan6_amb_temp_23.5C_liq_temp_20.8C/Area Scan (151x181x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 6.211 V/m; **Power Drift = -0.037 dB**

Fast SAR: SAR(1g) = 0.0570 W/kg; SAR(10g) = 0.0306 W/kg

Maximum value of SAR (interpolated) = 0.0766 W/kg



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Bluetooth

Date: 11/20/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 1.842$ S/m; $\epsilon_r = 38.287$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

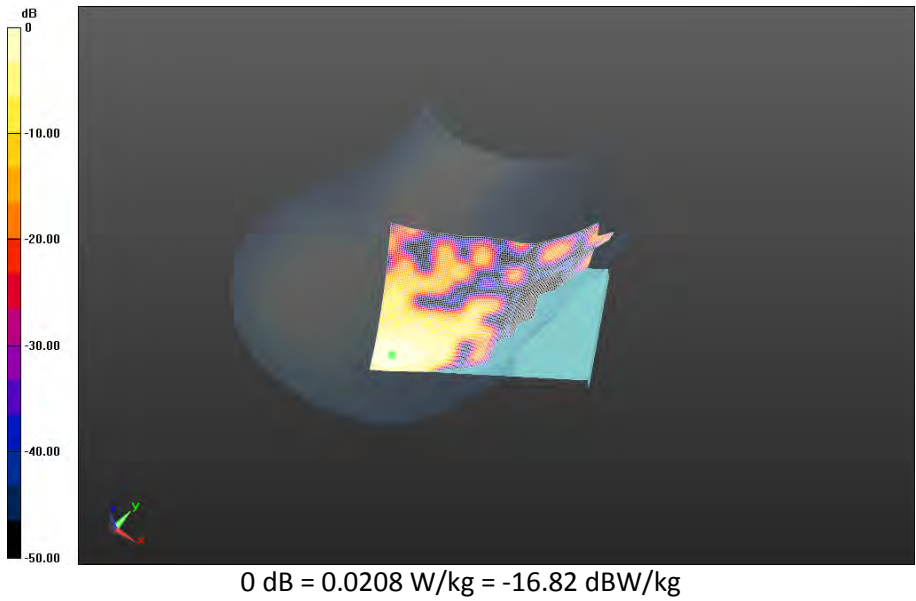
Right-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.3C_liq_temp_22.0C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.363 V/m; **Power Drift = 0.097 dB**

Fast SAR: SAR(1g) = 0.0157 W/kg; SAR(10g) = 0.00774 W/kg

Maximum value of SAR (interpolated) = 0.0208 W/kg



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Right-Hand-Side HSL - BT/Tilt Position -

Bluetooth_chan39_amb_temp_23.2C_liq_temp_21.9C/Area Scan (121x81x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.727 V/m; **Power Drift = 1.047 dB**

Fast SAR: SAR(1g) = 0.0185 W/kg; SAR(10g) = 0.00907 W/kg

Maximum value of SAR (interpolated) = 0.0245 W/kg

Right-Hand-Side HSL - BT/Tilt Position -

Bluetooth_chan39_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (36x36x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 1.727 V/m; **Power Drift = 1.047 dB**

Averaged SAR: SAR(1g) = 0.0165 W/kg; SAR(10g) = 0.00746 W/kg

Maximum value of SAR (interpolated) = 0.0337 W/kg

Right-Hand-Side HSL - BT/Tilt Position -

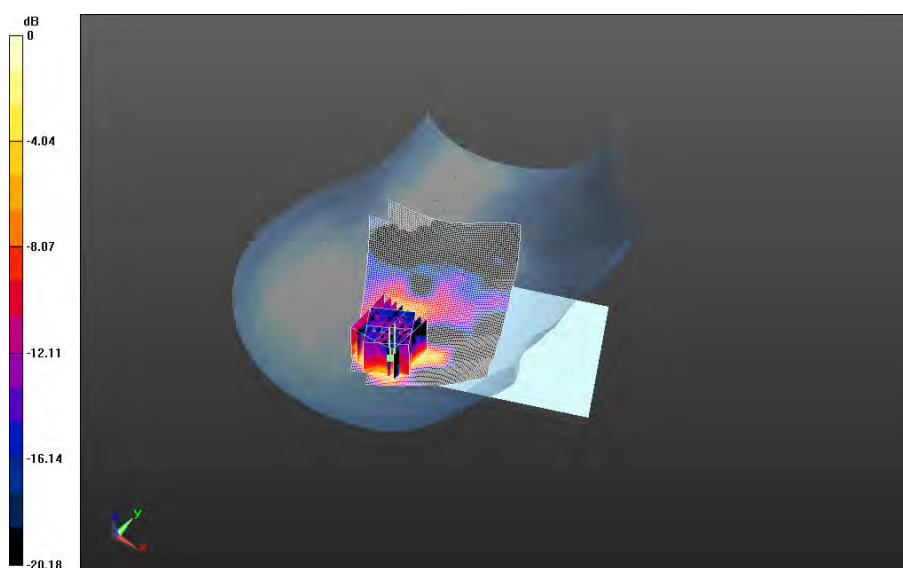
Bluetooth_chan39_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan 2 (31x31x36)/Cube 0:

Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 1.727 V/m; **Power Drift = 0.661 dB**

Averaged SAR: SAR(1g) = 0.0177 W/kg; SAR(10g) = 0.00874 W/kg

Maximum value of SAR (interpolated) = 0.0351 W/kg



0 dB = 0.0228 W/kg = -16.42 dBW/kg

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Date: 11/20/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D

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; $\sigma = 1.842$ S/m; $\epsilon_r = 38.287$; $\rho = 1.000$ g/cm³

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 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

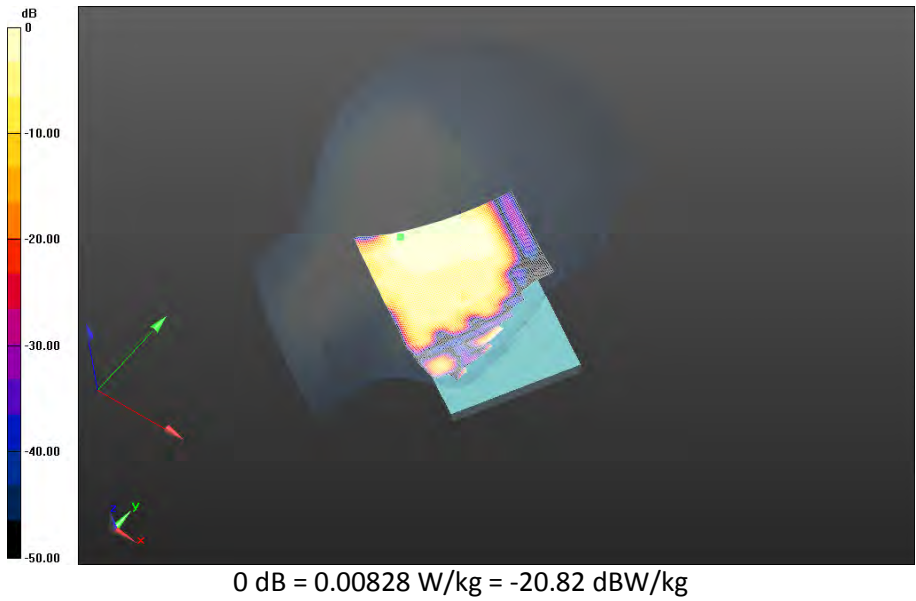
Left-Hand-Side HSL - BT/Touch Position -

Bluetooth_chan39_amb_temp_23.0C_liq_temp_21.8C/Area Scan (151x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.251 V/m; **Power Drift = 0.254 dB**

Fast SAR: SAR(1g) = 0.00579 W/kg; SAR(10g) = 0.00319 W/kg

Maximum value of SAR (interpolated) = 0.00828 W/kg



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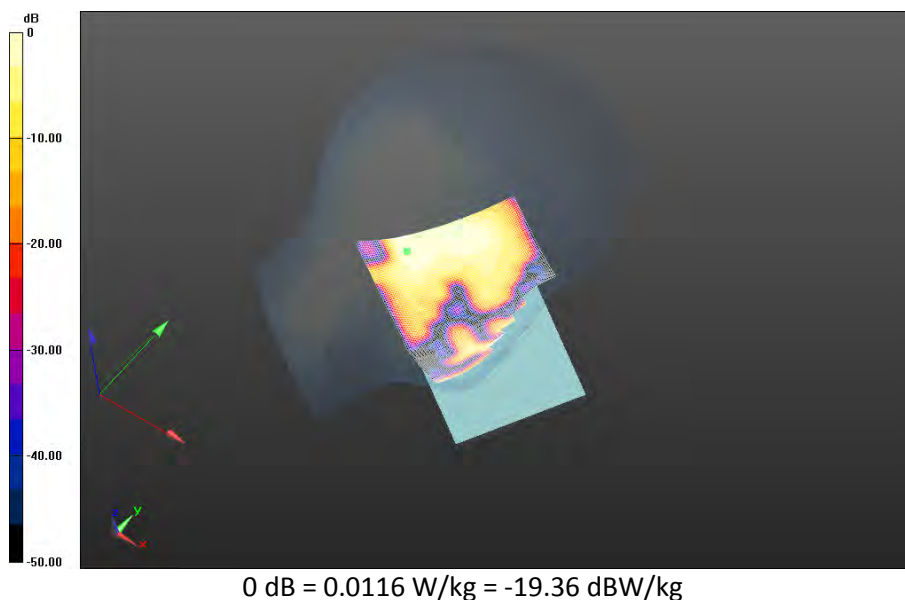
Left-Hand-Side HSL - BT/Tilt Position -

Bluetooth_chan39_amb_temp_23.0C_liq_temp_21.8C/Area Scan (151x181x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.383 V/m; **Power Drift = 0.430 dB**

Fast SAR: SAR(1g) = 0.00787 W/kg; SAR(10g) = 0.00415 W/kg

Maximum value of SAR (interpolated) = 0.0116 W/kg



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802.11a

Date: 11/24/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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; $\sigma = 4.700$ S/m; $\epsilon_r = 35.030$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan36_low_band_amb_temp_24.3C_liq_temp_22.1C/Area Scan (181x221x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 1.588 V/m; **Power Drift = 0.036 dB**

Right-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

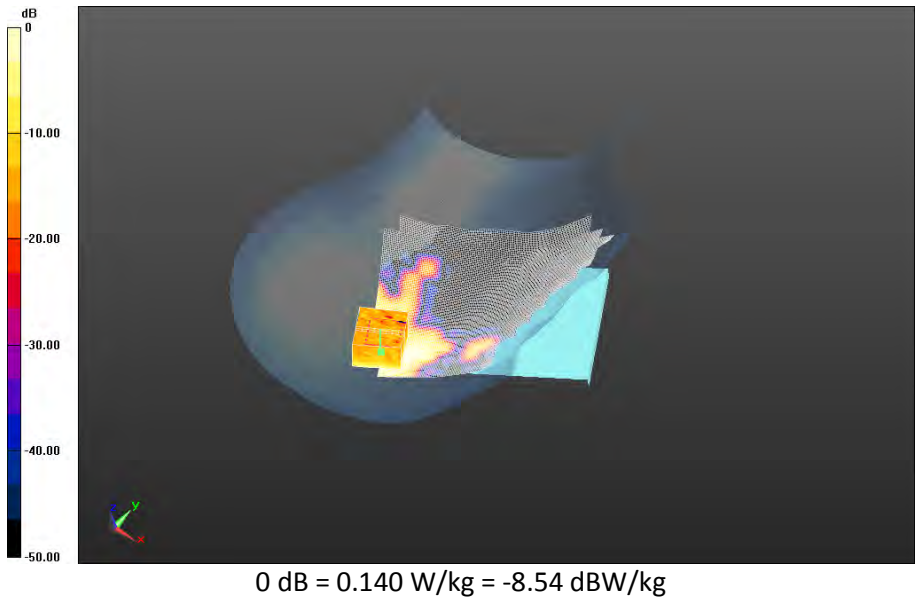
802.11a_chan36_low_band_amb_temp_24.3C_liq_temp_22.1C/Zoom Scan (41x41x61)/Cube

0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 1.588 V/m; **Power Drift = 0.036 dB**

Averaged SAR: SAR(1g) = 0.0739 W/kg; SAR(10g) = 0.0279 W/kg

Maximum value of SAR (interpolated) = 0.247 W/kg



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Date: 11/24/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5260 MHz

Medium Parameters used: $f=5260$ MHz; $\sigma = 4.787$ S/m; $\epsilon_r = 34.875$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL -802.11a 5200 MHz/Touch Position -

802.11a_chan52_Mid_band_amb_temp_23.8C_liq_temp_22.0C/Area Scan (121x101x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 3.212 V/m; **Power Drift = -0.088 dB**

Right-Hand-Side HSL -802.11a 5200 MHz/Touch Position -

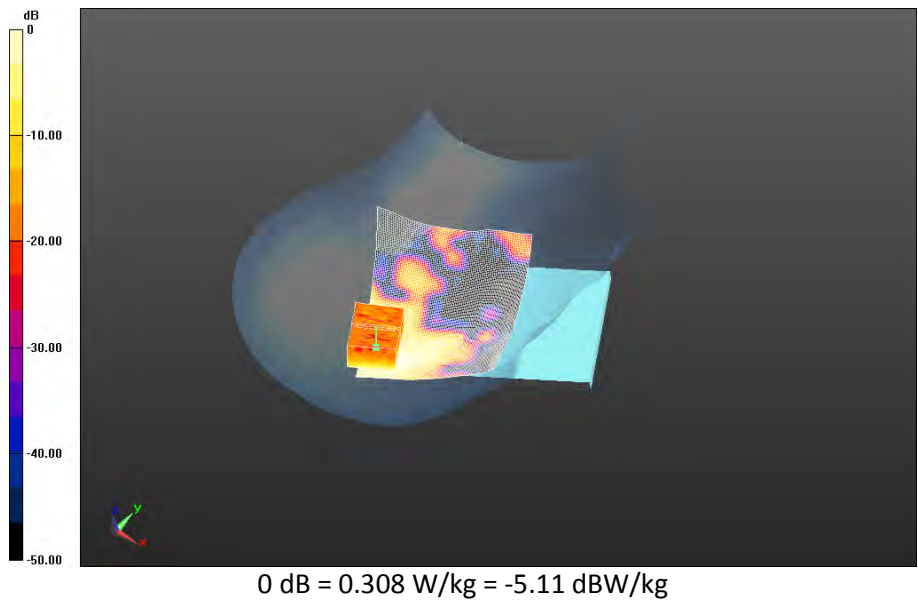
802.11a_chan52_Mid_band_amb_temp_23.8C_liq_temp_22.0C/Zoom Scan (46x41x61)/Cube

0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.212 V/m; **Power Drift = -0.088 dB**

Averaged SAR: SAR(1g) = 0.167 W/kg; SAR(10g) = 0.0658 W/kg

Maximum value of SAR (interpolated) = 0.621 W/kg



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Date: 11/24/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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; $\sigma = 5.126$ S/m; $\epsilon_r = 34.573$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_bandl_amb_temp_23.5C_liq_temp_22.1C/Area Scan (121x101x1):

Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 1.663 V/m; **Power Drift = 0.236 dB**

Right-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

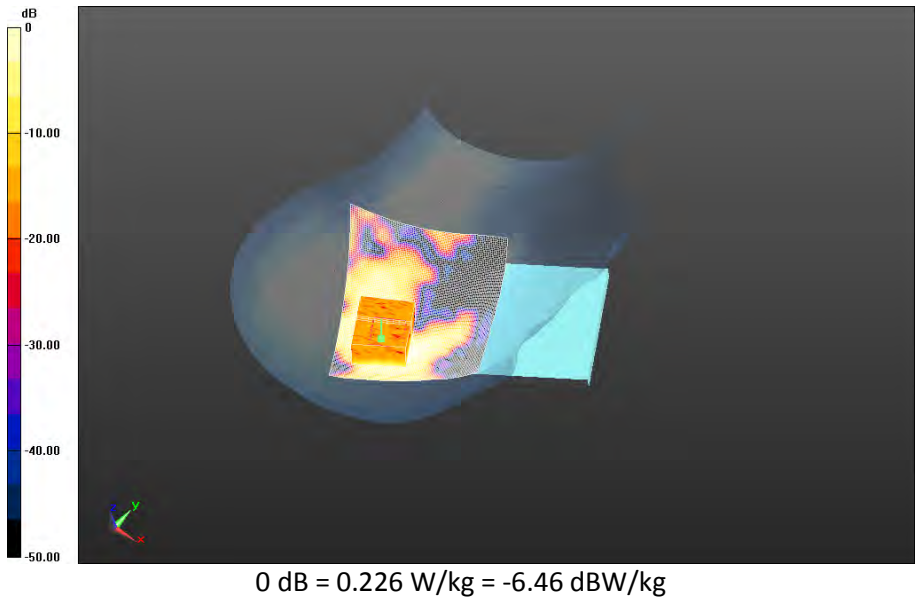
802.11a_chan104_Upper_bandl_amb_temp_23.5C_liq_temp_22.1C/Zoom Scan

(51x46x61)/Cube 0: Interpolated grid: $dx=0.800$ mm, $dy=0.800$ mm, $dz=0.400$ mm

Reference Value = 1.663 V/m; **Power Drift = 0.236 dB**

Averaged SAR: SAR(1g) = 0.110 W/kg; SAR(10g) = 0.0431 W/kg

Maximum value of SAR (interpolated) = 0.433 W/kg



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Date: 11/24/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5785 MHz

Medium Parameters used: $f=5785$ MHz; $\sigma = 5.445$ S/m; $\epsilon_r = 33.739$; $\rho = 1.000$ g/cm³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan157_Upper_bandII_amb_temp_23.4C_liq_temp_22.2C/Area Scan (121x101x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 6.485 V/m; **Power Drift = 0.705 dB**

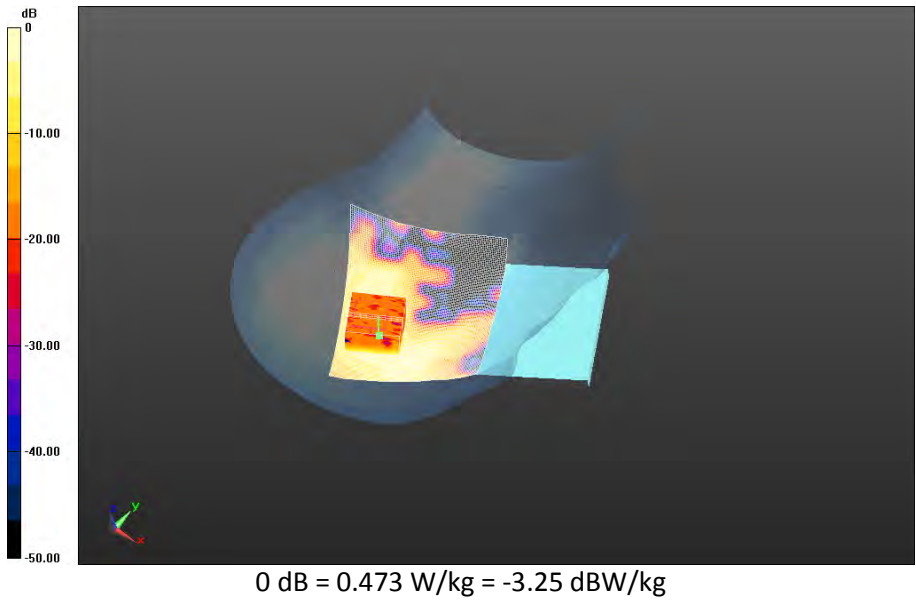
Right-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan157_Upper_bandII_amb_temp_23.4C_liq_temp_22.2C/Zoom Scan (41x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 6.485 V/m; **Power Drift = 0.705 dB**

Averaged SAR: SAR(1g) = 0.249 W/kg; SAR(10g) = 0.0819 W/kg

Maximum value of SAR (interpolated) = 1.14 W/kg

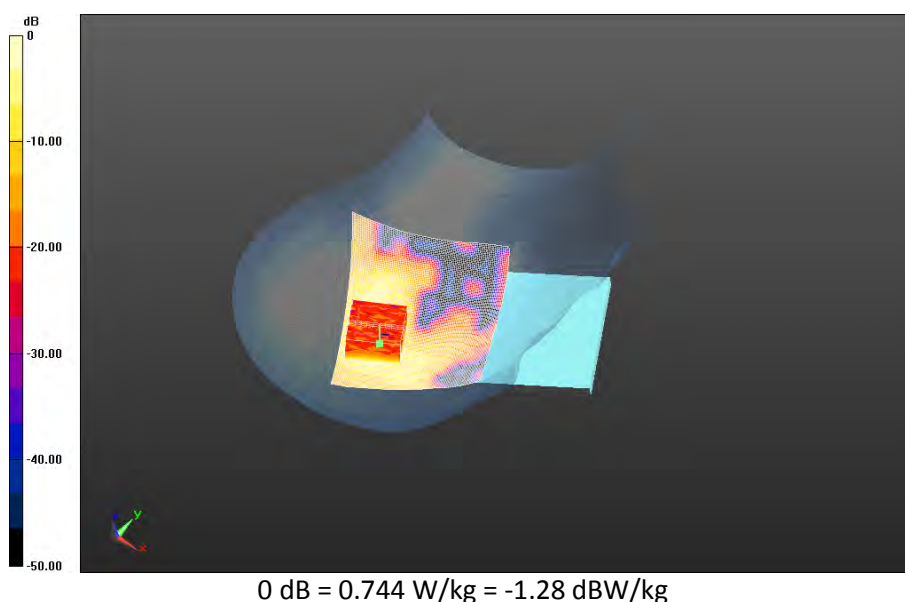


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Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position -
802.11a_chan157_Upper_bandII_amb_temp_23.7C_liq_temp_22.3C/Area Scan (121x101x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 6.221 V/m; **Power Drift = -0.068 dB**

Right-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position -
802.11a_chan157_Upper_bandII_amb_temp_23.7C_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 = 6.221 V/m; **Power Drift = -0.068 dB**

Averaged SAR: SAR(1g) = 0.376 W/kg; SAR(10g) = 0.124 W/kg
Maximum value of SAR (interpolated) = 1.62 W/kg



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Date: 11/25/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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; $\sigma = 4.700$ S/m; $\epsilon_r = 35.030$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.63,4.63,4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan36_low_band_amb_temp_23.2C_liq_temp_21.8C/Area Scan (101x101x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 3.203 V/m; **Power Drift = -0.032 dB**

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

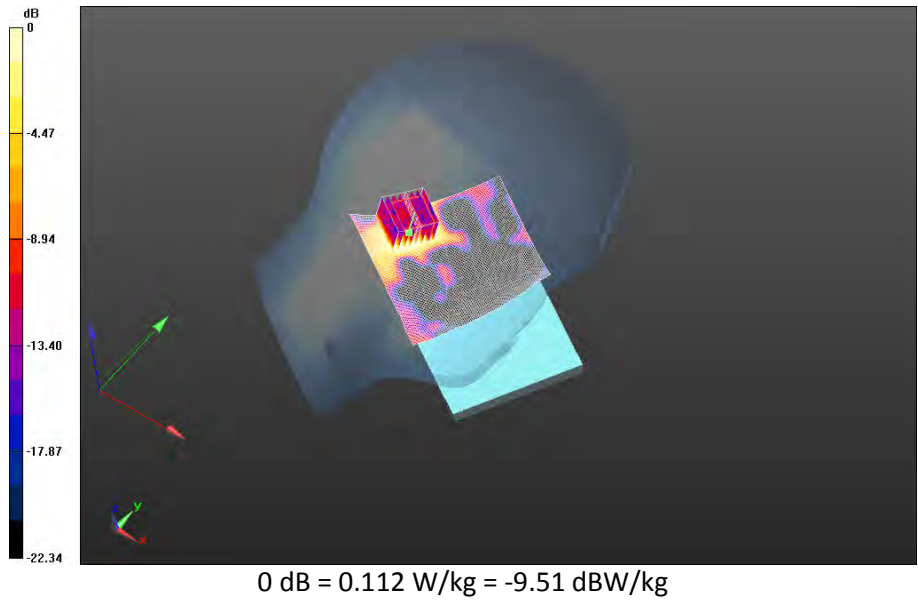
802.11a_chan36_low_band_amb_temp_23.2C_liq_temp_21.8C/Zoom Scan (36x36x61)/Cube

0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.203 V/m; **Power Drift = -0.032 dB**

Averaged SAR: SAR(1g) = 0.0644 W/kg; SAR(10g) = 0.0279 W/kg

Maximum value of SAR (interpolated) = 0.205 W/kg



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Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

802.11a_chan52_low_band_amb_temp_23.6C_liq_temp_21.9C/Area Scan (101x101x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 3.488 V/m; **Power Drift = -0.041 dB**

Left-Hand-Side HSL - 802.11a 5200 MHz/Touch Position -

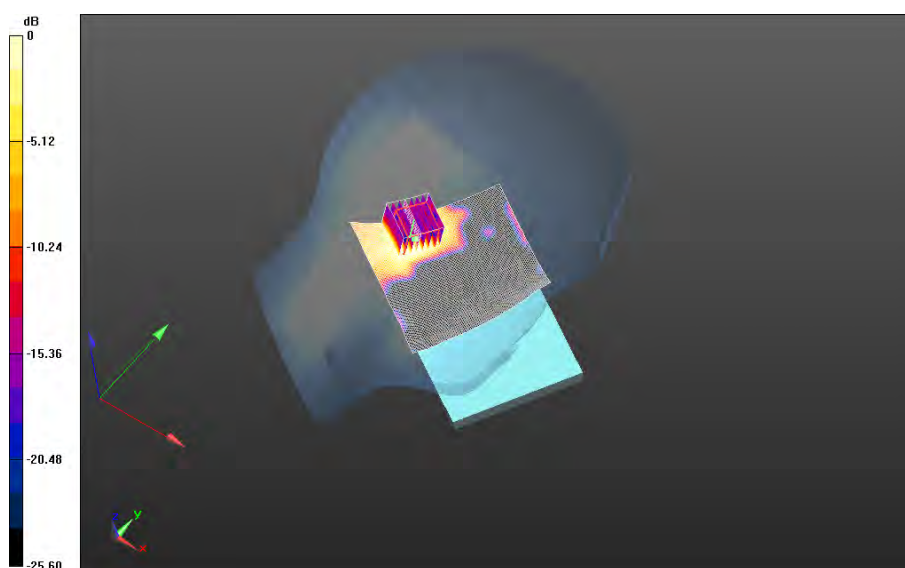
802.11a_chan52_low_band_amb_temp_23.6C_liq_temp_21.9C/Zoom Scan (36x36x61)/Cube

0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.488 V/m; **Power Drift = -0.041 dB**

Averaged SAR: SAR(1g) = 0.123 W/kg; SAR(10g) = 0.0483 W/kg

Maximum value of SAR (interpolated) = 0.463 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

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Date: 11/25/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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; $\sigma = 5.126$ S/m; $\epsilon_r = 34.573$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.2,4.2,4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

802.11a_chan104_Upper_bandl_amb_temp_23.6C_liq_temp_21.8C/Area Scan (101x101x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 3.208 V/m; **Power Drift = -0.018 dB**

Left-Hand-Side HSL - 802.11a 5500 MHz/Touch Position -

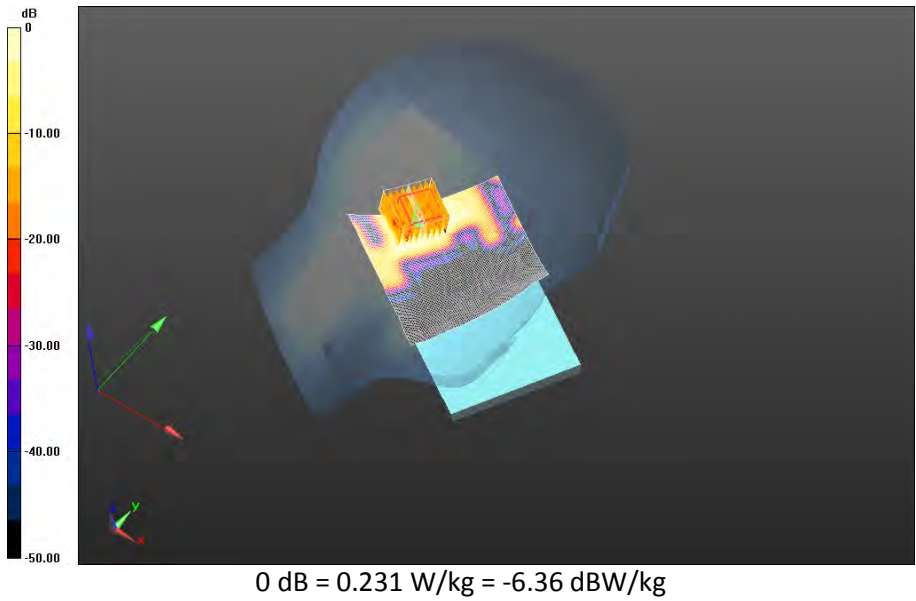
802.11a_chan104_Upper_bandl_amb_temp_23.6C_liq_temp_21.8C/Zoom Scan

(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.208 V/m; **Power Drift = -0.018 dB**

Averaged SAR: SAR(1g) = 0.127 W/kg; SAR(10g) = 0.0461 W/kg

Maximum value of SAR (interpolated) = 0.632 W/kg



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Date: 11/25/2014

Test Lab: BlackBerry RTS

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03

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

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5785 MHz

Medium Parameters used: $f=5785$ MHz; $\sigma = 5.445$ S/m; $\epsilon_r = 33.739$; $\rho = 1.000$ g/cm³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.34,4.34,4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

802.11a_chan157_Upper_bandII_amb_temp_23.9C_liq_temp_22.3C/Area Scan (101x151x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 3.020 V/m; **Power Drift = 0.269 dB**

Left-Hand-Side HSL - 802.11a 5800 MHz/Touch Position -

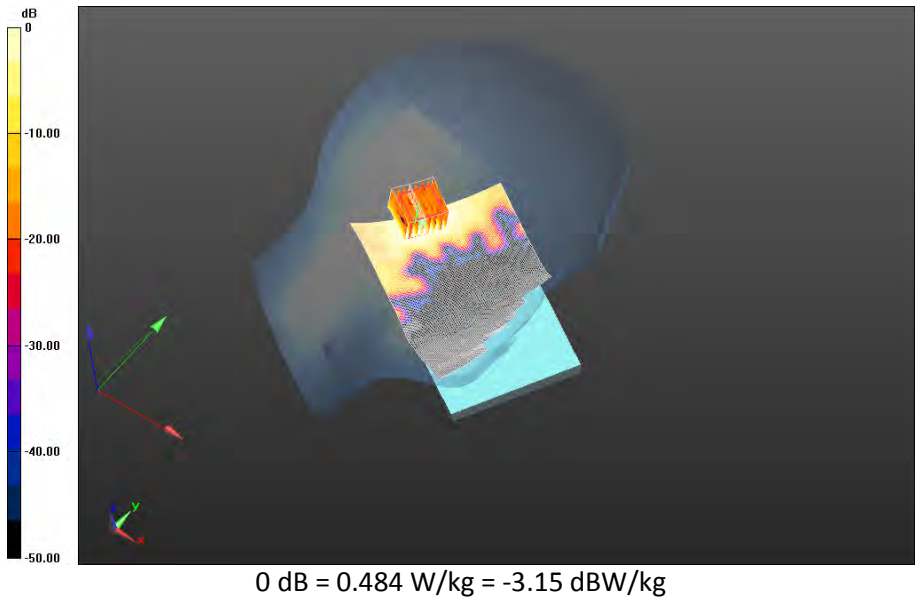
802.11a_chan157_Upper_bandII_amb_temp_23.9C_liq_temp_22.3C/Zoom Scan

(36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.020 V/m; **Power Drift = 0.269 dB**

Averaged SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.100 W/kg

Maximum value of SAR (interpolated) = 0.897 W/kg



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Left-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position -
802.11a_chan157_Upper_bandII_amb_temp_23.7C_liq_temp_22.4C/Area Scan (101x101x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 2.605 V/m; **Power Drift = 0.048 dB**

Left-Hand-Side HSL - 802.11a 5800 MHz/Tilt Position -
802.11a_chan157_Upper_bandII_amb_temp_23.7C_liq_temp_22.4C/Zoom Scan
(36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.605 V/m; **Power Drift = 0.048 dB**

Averaged SAR: SAR(1g) = 0.328 W/kg; SAR(10g) = 0.124 W/kg
Maximum value of SAR (interpolated) = 1.28 W/kg

