APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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EDGE 850

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Date/Time: 12/10/2012 1:23:14 AM

Test Laboratory: RIM Testing Services

RightHandSide_DTM850_mid_chan_amb_temp_23.5C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.573 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.657 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.6690
SAR(1 g) = 0.540 mW/g; SAR(10 g) = 0.411 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.585 mW/g

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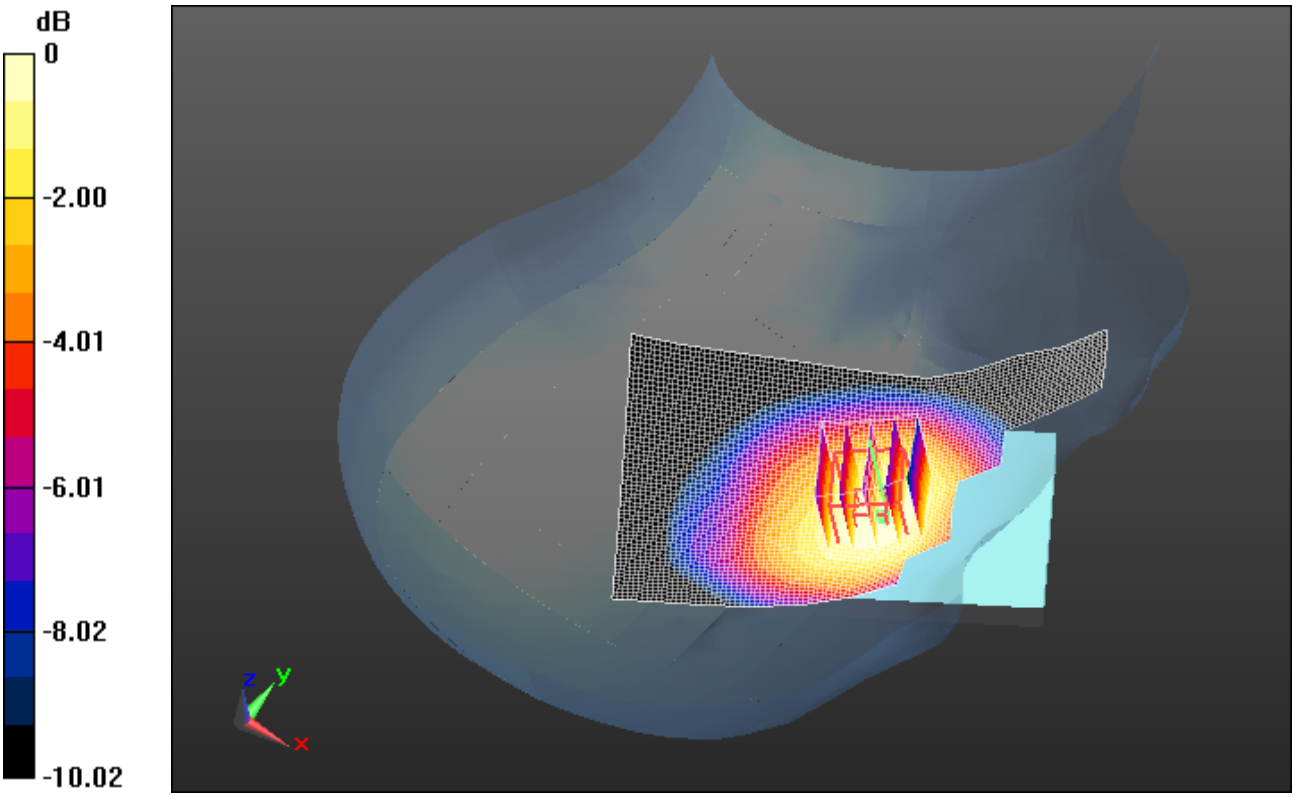

0 dB = 0.590mW/g = -4.58 dB mW/g

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Date/Time: 12/11/2012 7:14:47 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_DTM850

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/RightHandSide_Tilt_DTM850_mid_chan_amb_temp_23.1 C_liq_temp_21.7C/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 17.115 V/m; Power Drift = 0.40 dB
Fast SAR: SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.312 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.501 mW/g

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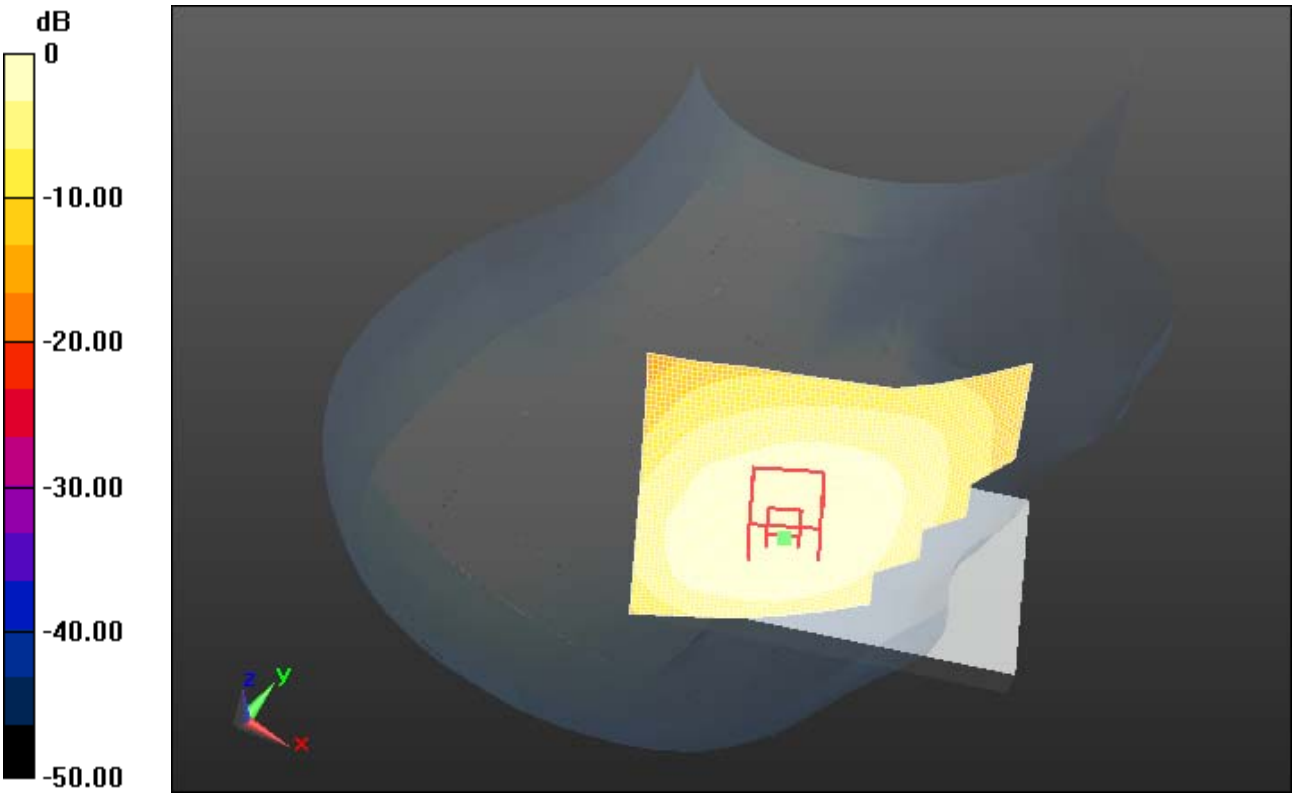

0 dB = 0.500mW/g = -6.02 dB mW/g

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Date/Time: 12/11/2012 6:38:04 AM

Test Laboratory: RIM Testing Services

RightHandSide_DTM850

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots), Communication System: GSM 850;
Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/RightHandSide_DTM850_mid_chan_amb_temp_23.1C_liq_temp_21.7C/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.296 V/m; Power Drift = -0.14 dB
Fast SAR: SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.382 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.611 mW/g

Configuration/RightHandSide_GSM850_mid_chan_amb_temp_23.1C_liq_temp_21.7C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 9.505 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.344 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.549 mW/g

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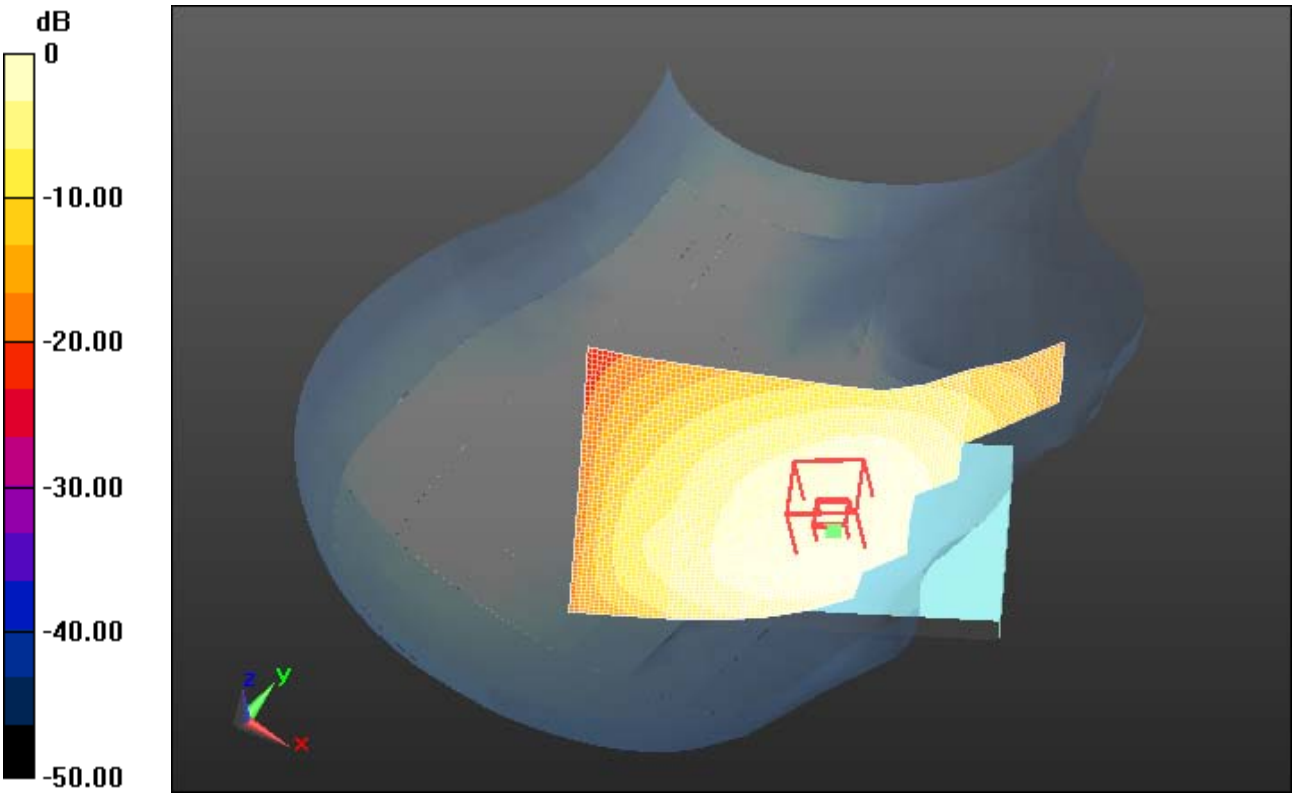

0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 12/11/2012 5:23:30 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM850

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots), Communication System: EDGE 850 (3 slots), Communication System: EDGE 850 (4 slots), Communication System: GSM 850; Frequency: 824.2 MHz, Frequency: 836.8 MHz, Frequency: 848.8 MHz
Medium parameters used: f = 825 MHz; σ = 0.877 mho/m; ε_r = 40.257; ρ = 1000 kg/m^3 , Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3 , Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.902 mho/m; ε_r = 39.967; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/LeftHandSide_DTM850_low_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.700 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.512 mW/g
Maximum value of SAR (interpolated) = 0.866 mW/g

Configuration/LeftHandSide_DTM850_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.424 V/m; Power Drift = 0.11 dB
Fast SAR: SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.532 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.907 mW/g

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Configuration/LeftHandSide_DTM850_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.424 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.0630
SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.564 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.906 mW/g

Configuration/LeftHandSide_DTM850_high_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.825 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.462 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.778 mW/g

Configuration/LeftHandSide_DTM850_3-Slots_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.643 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.520 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.873 mW/g

Configuration/LeftHandSide_DTM850_4-Slots_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x61x1):
Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.919 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.473 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.790 mW/g

Configuration/LeftHandSide_GSM850_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.035 V/m; Power Drift = 0.11 dB
Fast SAR: SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.447 mW/g

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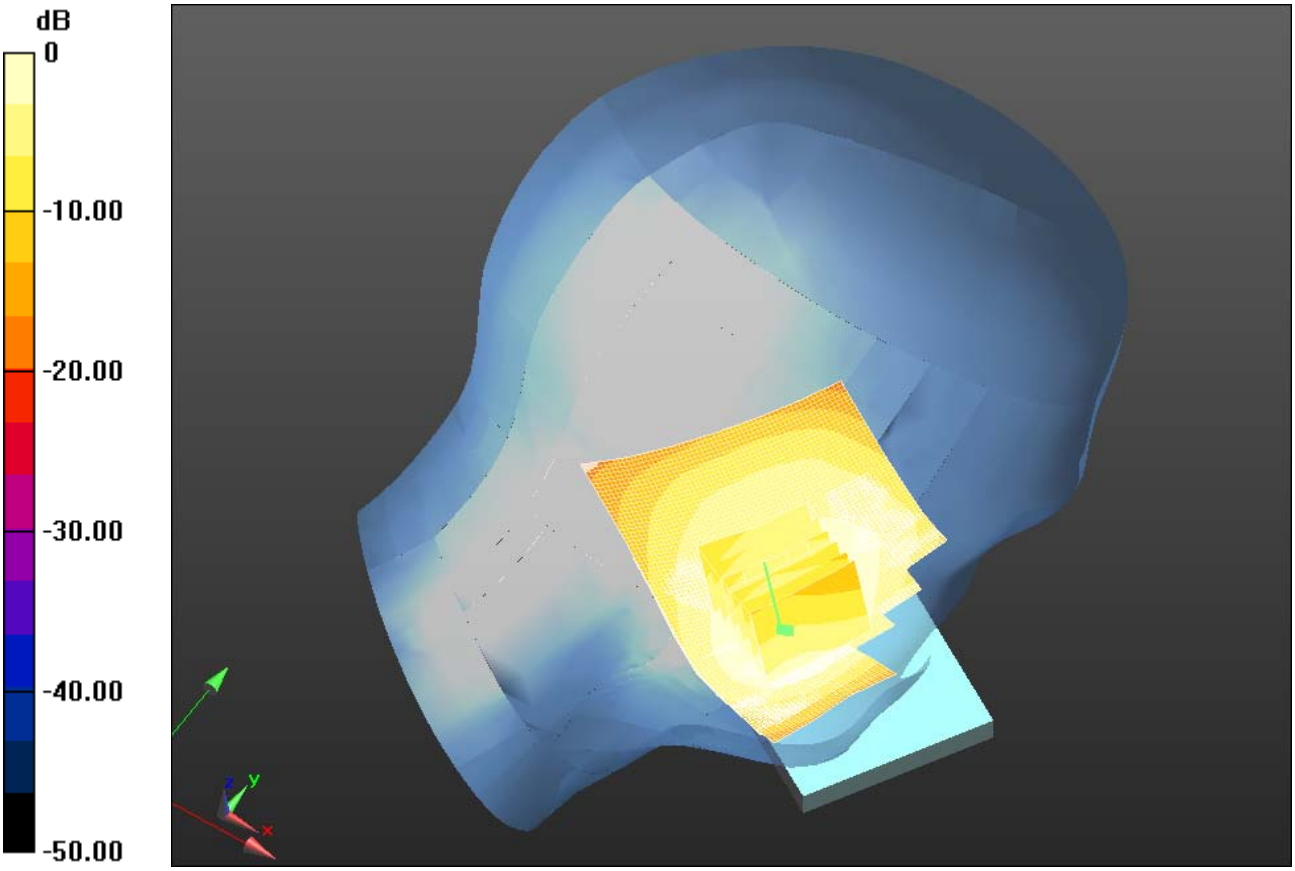
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.756 mW/g



0 dB = 0.760mW/g = -2.38 dB mW/g

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Date/Time: 12/11/2012 3:59:23 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_DTM850

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/LeftHandSide_Tilt_DTM850_mid_chan_amb_temp_23.2C_liq_temp_21.5C/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.098 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.302 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.486 mW/g

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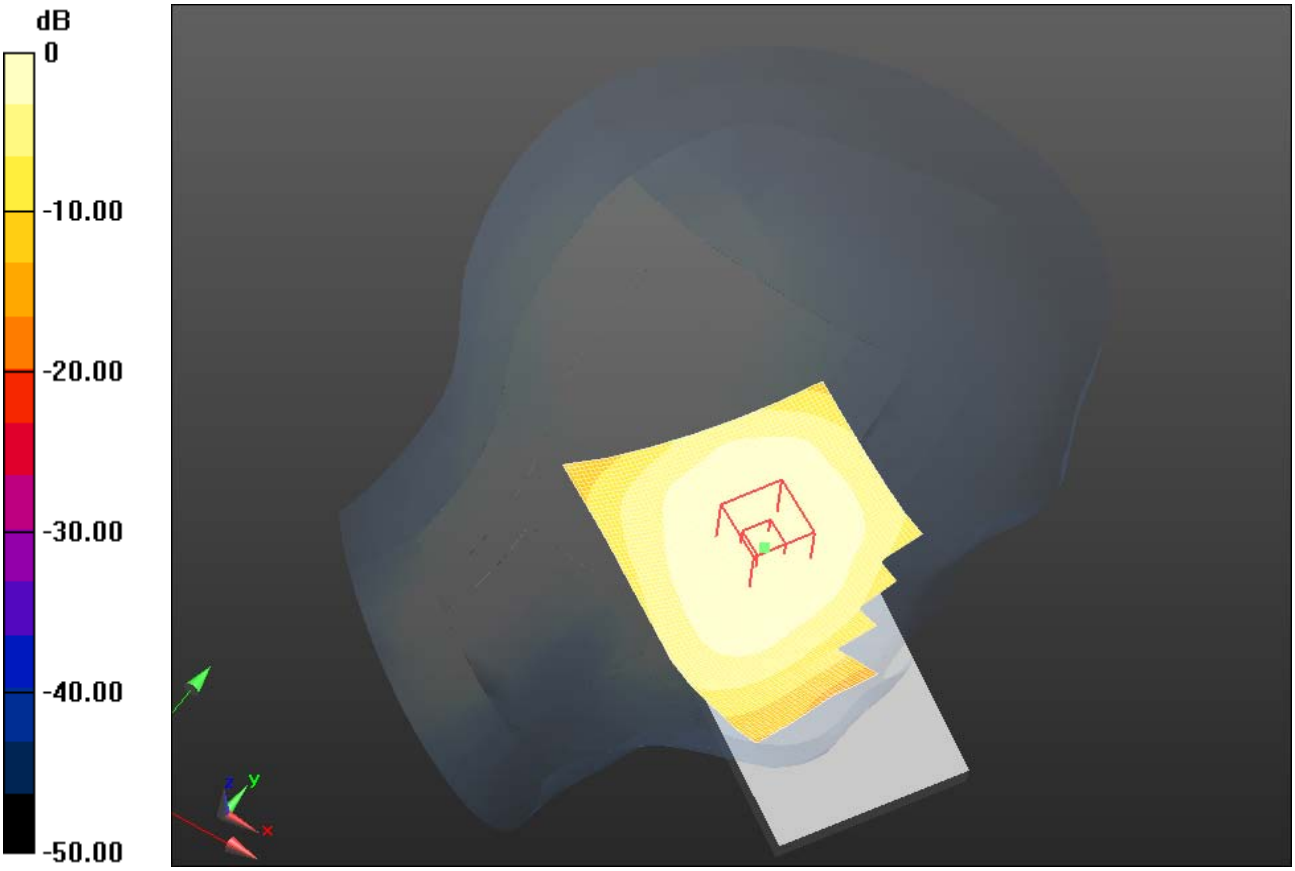

0 dB = 0.490mW/g = -6.20 dB mW/g

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Date/Time: 12/11/2012 2:51:24 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM850_2100mA_battery

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB; PMF: 2.04927
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/LeftHandSide_DTM850_mid_chan_amb_temp_23.5C_liq_temp_21.3C_2100mA_batt/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.093 V/m; Power Drift = -0.14 dB
Fast SAR: SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.495 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.820 mW/g

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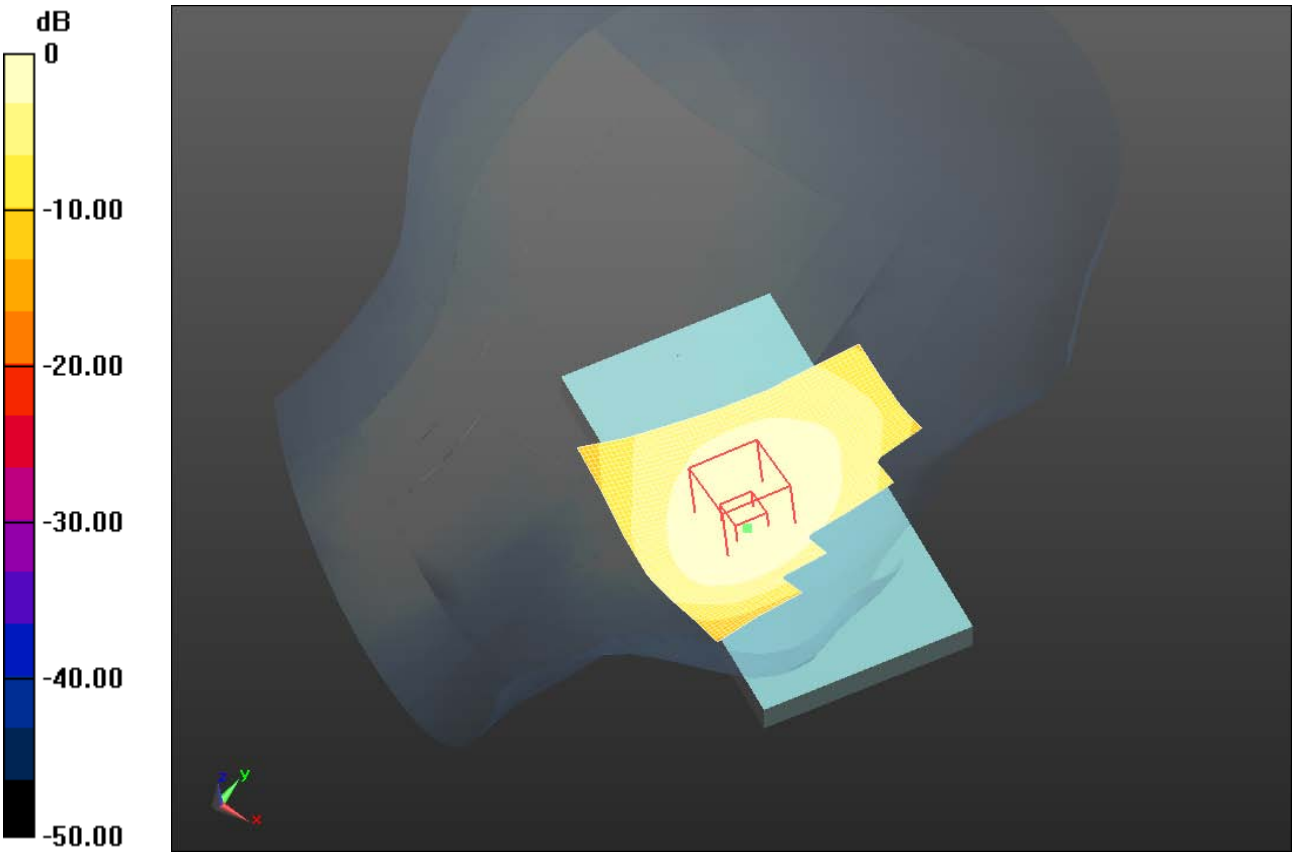

0 dB = 0.820mW/g = -1.72 dB mW/g

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UMTS Band V

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Date/Time: 12/9/2012 10:52:05 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_V_mid_chan_amb_temp_23.6C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 9.588 V/m; Power Drift = 0.22 dB
Fast SAR: SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.434 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.708 mW/g

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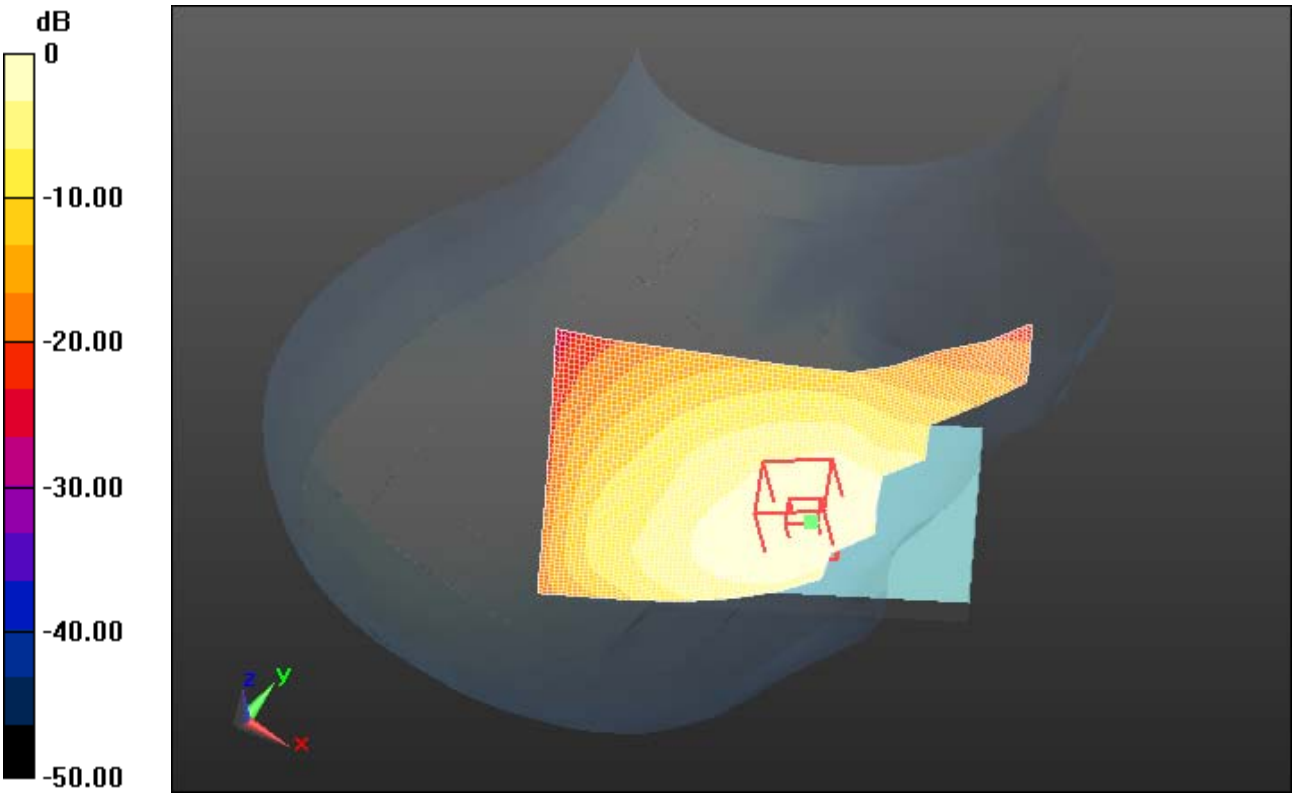

0 dB = 0.710mW/g = -2.97 dB mW/g

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Date/Time: 12/11/2012 8:06:42 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_Band_V

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/RightHandSide_Tilt_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq_temp_21.7C/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.552 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.319 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.504 mW/g

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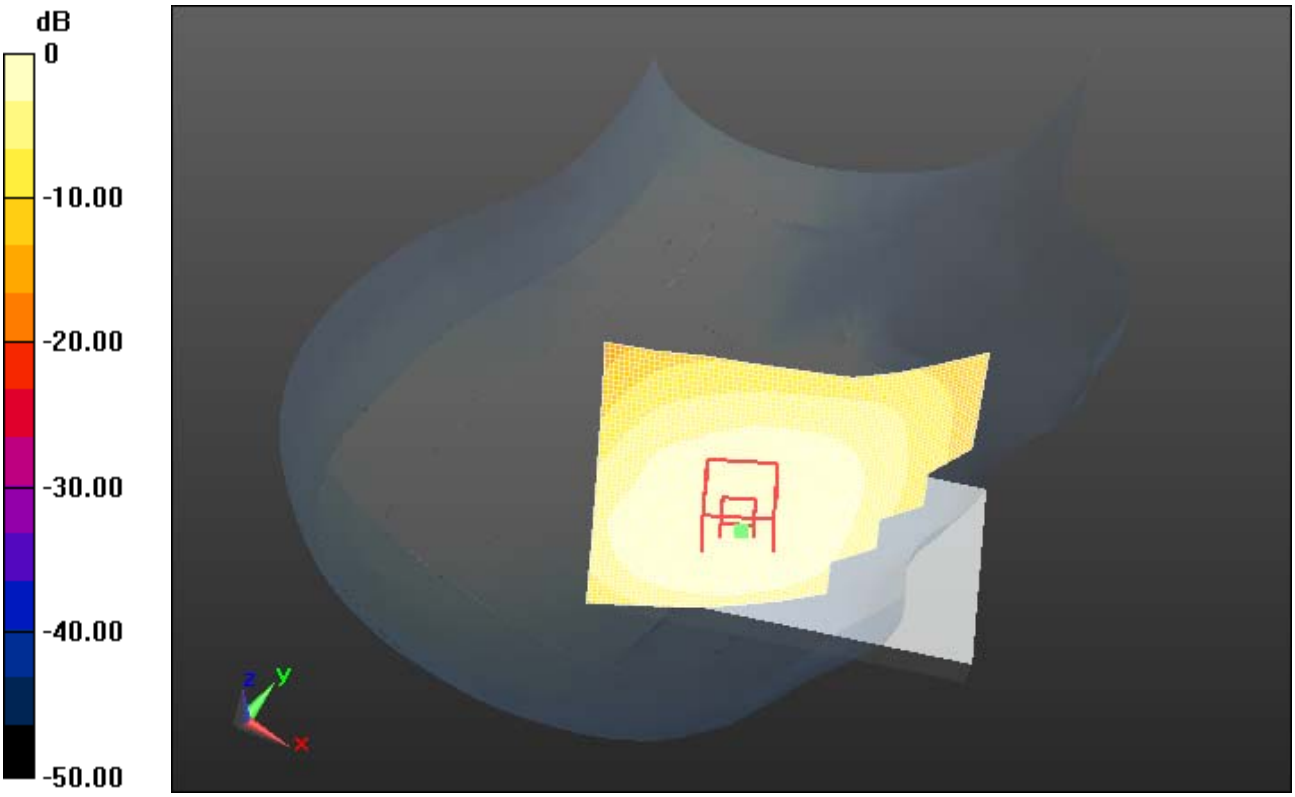

0 dB = 0.500mW/g = -6.02 dB mW/g

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Date/Time: 12/11/2012 11:45:44 AM

Test Laboratory: RIM Testing Services

Head_SAR_UMTS_Band_V_Left_Touch

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz, Frequency: 826.4 MHz, Frequency: 846.6 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3 , Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.879 mho/m; ε_r = 40.243; ρ = 1000 kg/m^3 , Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.9 mho/m; ε_r = 39.973; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/LeftHandSide_UMTS_Band_V_mid_chan_amb_temp_23.1 C_liq_temp_21.7C/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.294 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.573 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.946 mW/g

Configuration/LeftHandSide_UMTS_Band_V_low_chan_amb_temp_23.1 C_liq_temp_21.7C 2/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.107 V/m; Power Drift = -0.13 dB

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Fast SAR: SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.540 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.892 mW/g

Configuration/LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.0 C_liq_temp_21.5C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.163 V/m; Power Drift = 0.0042 dB
Fast SAR: SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.589 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.980 mW/g

Configuration/LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.0 C_liq_temp_21.5C/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.163 V/m; Power Drift = 0.0042 dB
Peak SAR (extrapolated) = 1.1700
SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.652 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.995 mW/g

Configuration/LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.0 C_liq_temp_21.4C_repeat/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 12.982 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 0.846 mW/g; SAR(10 g) = 0.582 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.965 mW/g

Configuration/LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.1 C_liq_temp_21.7C_2100mA_battery/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 12.453 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.574 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.954 mW/g

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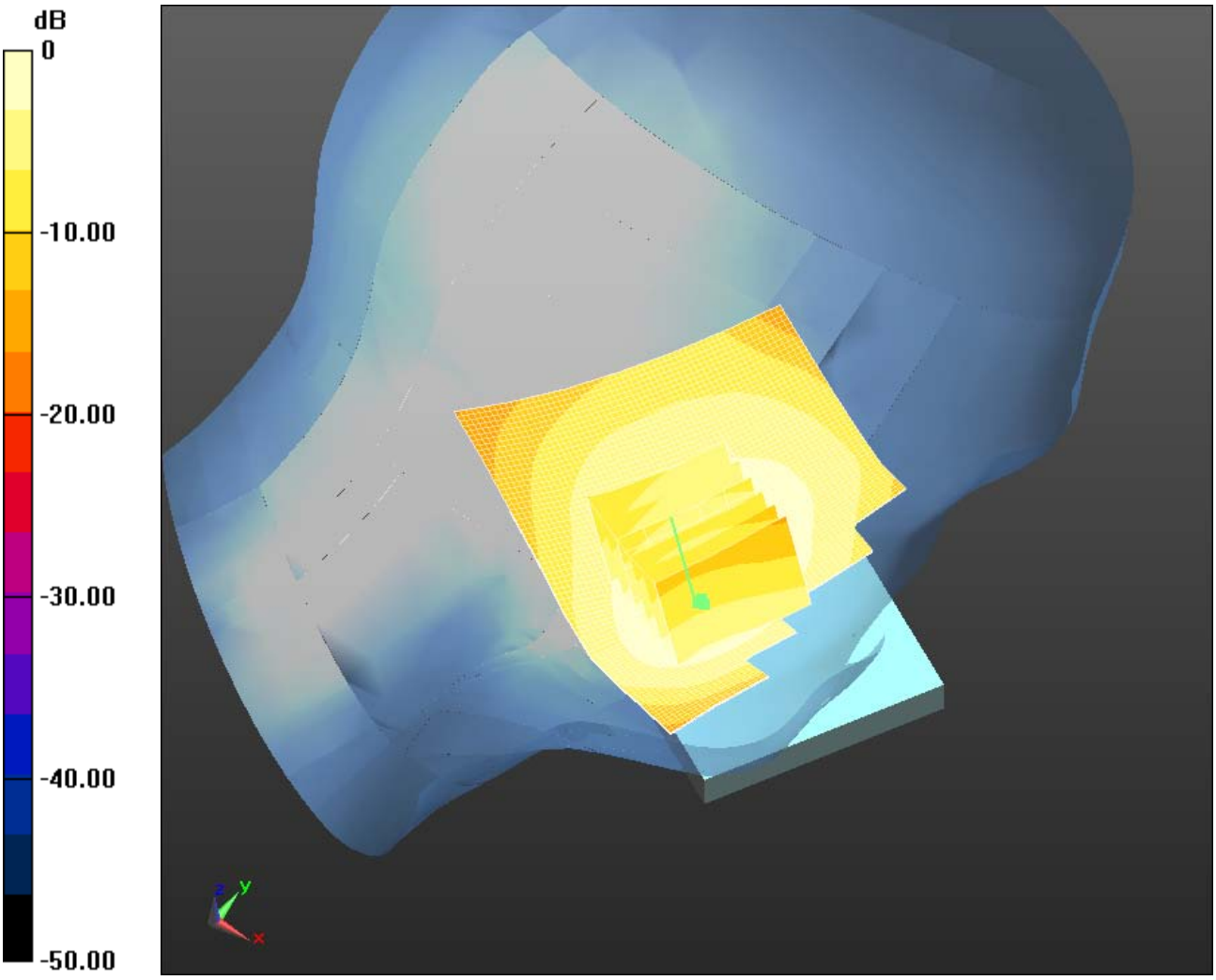

0 dB = 0.950mW/g = -0.45 dB mW/g

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Date/Time: 12/11/2012 12:36:20 PM

Test Laboratory: RIM Testing Services

Head_SAR_UMTS_Band_V_Left_Tilt

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/LeftHandSide_Tilt_UMTS_Band_V_mid_chan_amb_temp_23.0C_liq_temp_21.C 2/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.461 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.287 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.458 mW/g

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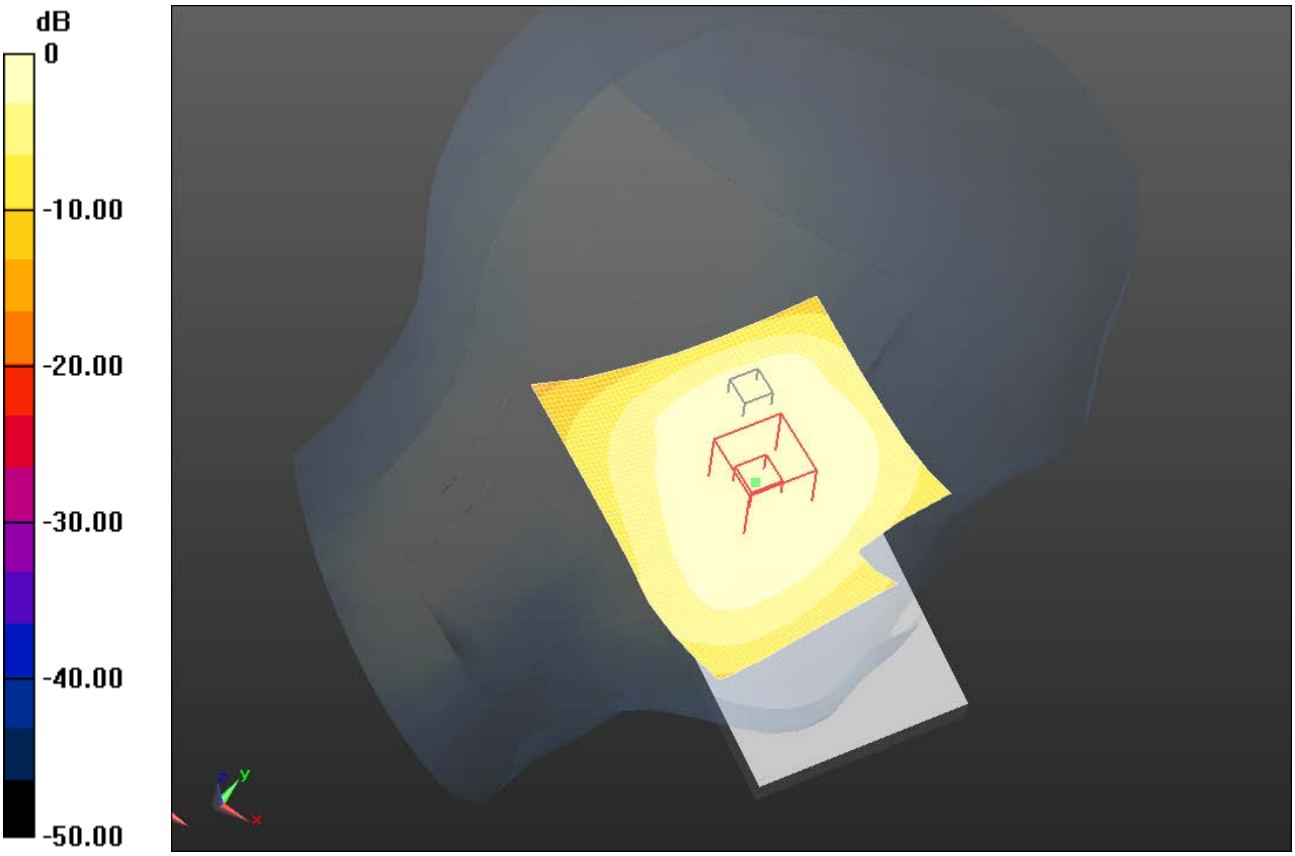

0 dB = 0.460mW/g = -6.74 dB mW/g

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EDGE 1900

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Date/Time: 11/27/2012 11:29:48 PM

Test Laboratory: RIM Testing Services

RightHandSide_DTM1900_mid_chan_amb_temp_24.1C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.709 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.623 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.8800
SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 0.683 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.623 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.6880
SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.270 mW/g
Maximum value of SAR (measured) = 0.522 mW/g

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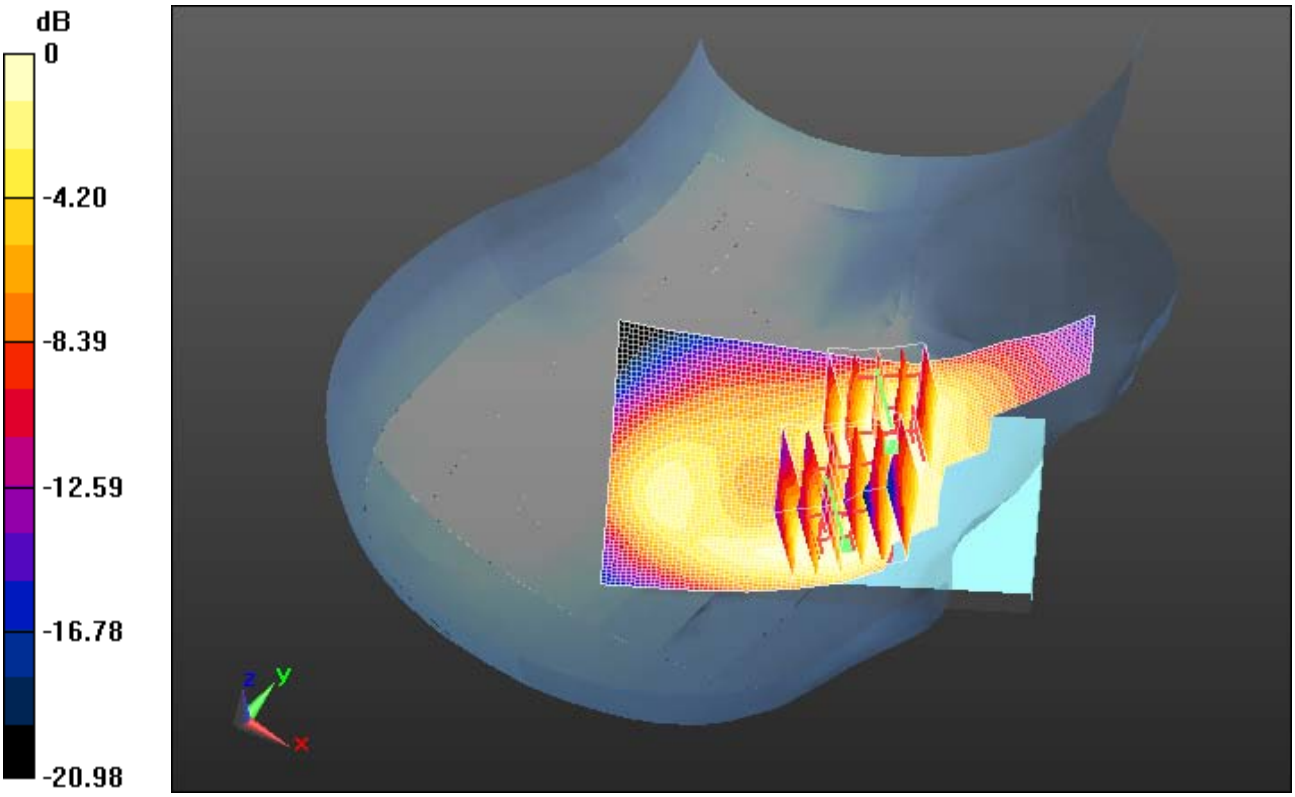

0 dB = 0.520mW/g = -5.68 dB mW/g

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Date/Time: 11/28/2012 12:00:13 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_DTM1900_mid_chan_amb_temp_24.1C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.537 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.456 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.6760
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.509 mW/g

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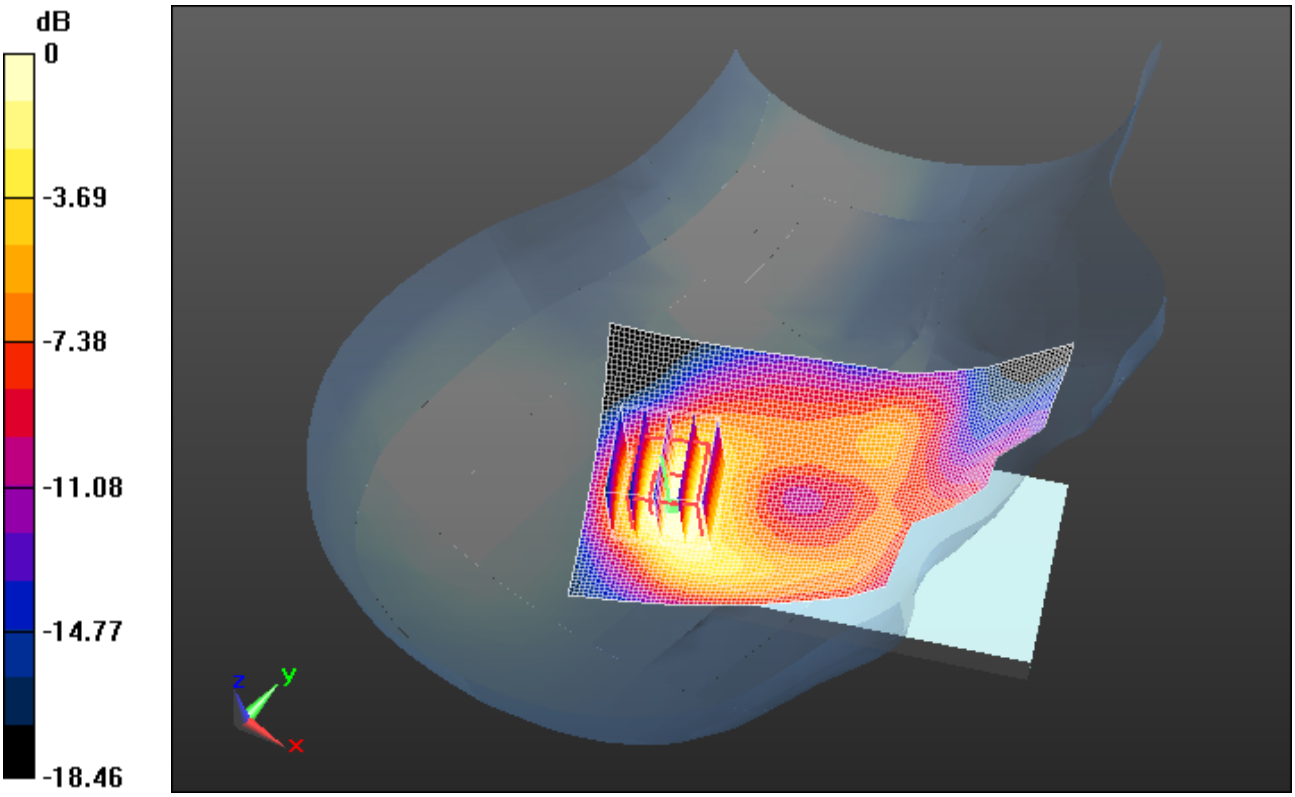

0 dB = 0.510mW/g = -5.85 dB mW/g

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Date/Time: 11/28/2012 12:43:15 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM1900_mid_chan_amb_temp_24.5C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: GSM 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.436 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.366 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.5310
SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.229 mW/g
Maximum value of SAR (measured) = 0.426 mW/g

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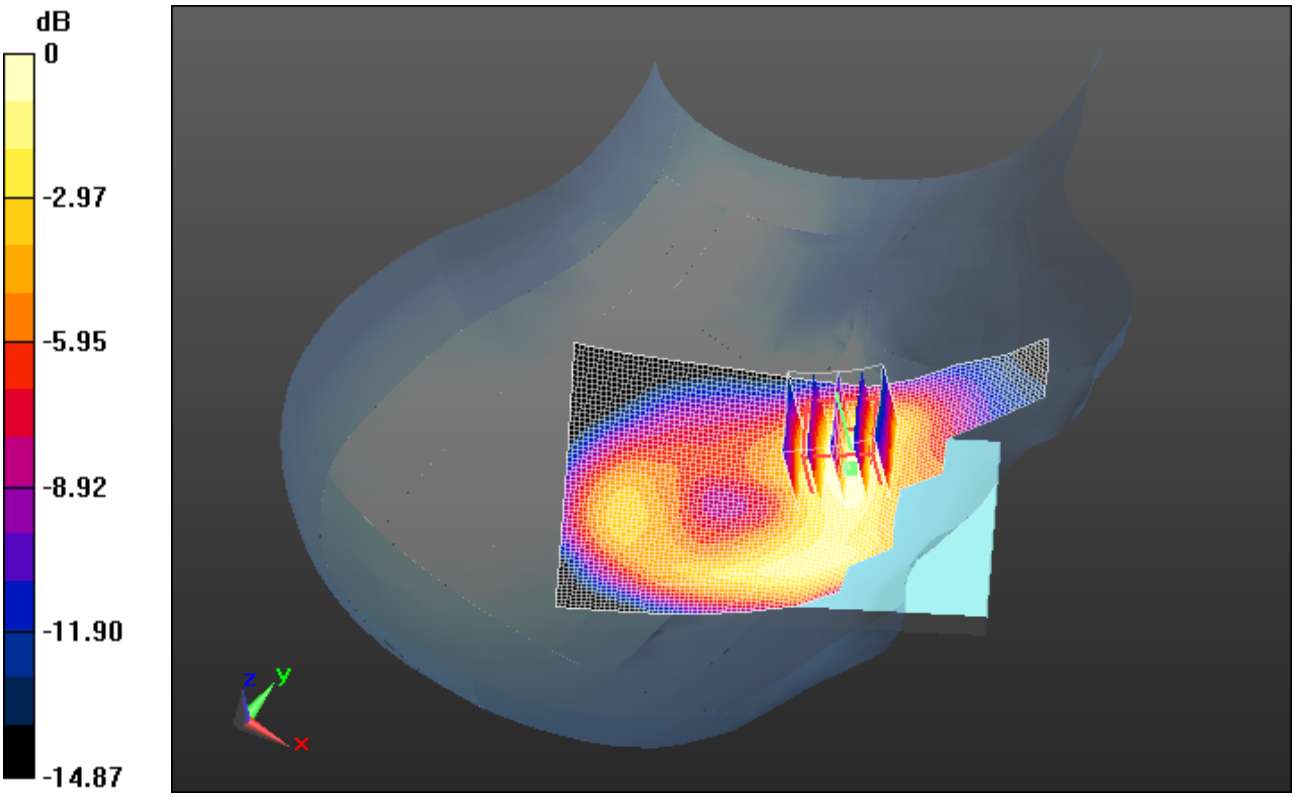

0 dB = 0.430mW/g = -7.33 dB mW/g

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Date/Time: 11/28/2012 10:08:01 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM1900_low_chan_amb_temp_25.0C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.339 mho/m; ε_r = 38.703; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.146 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.260 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.5190
SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.539 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.127 mW/g

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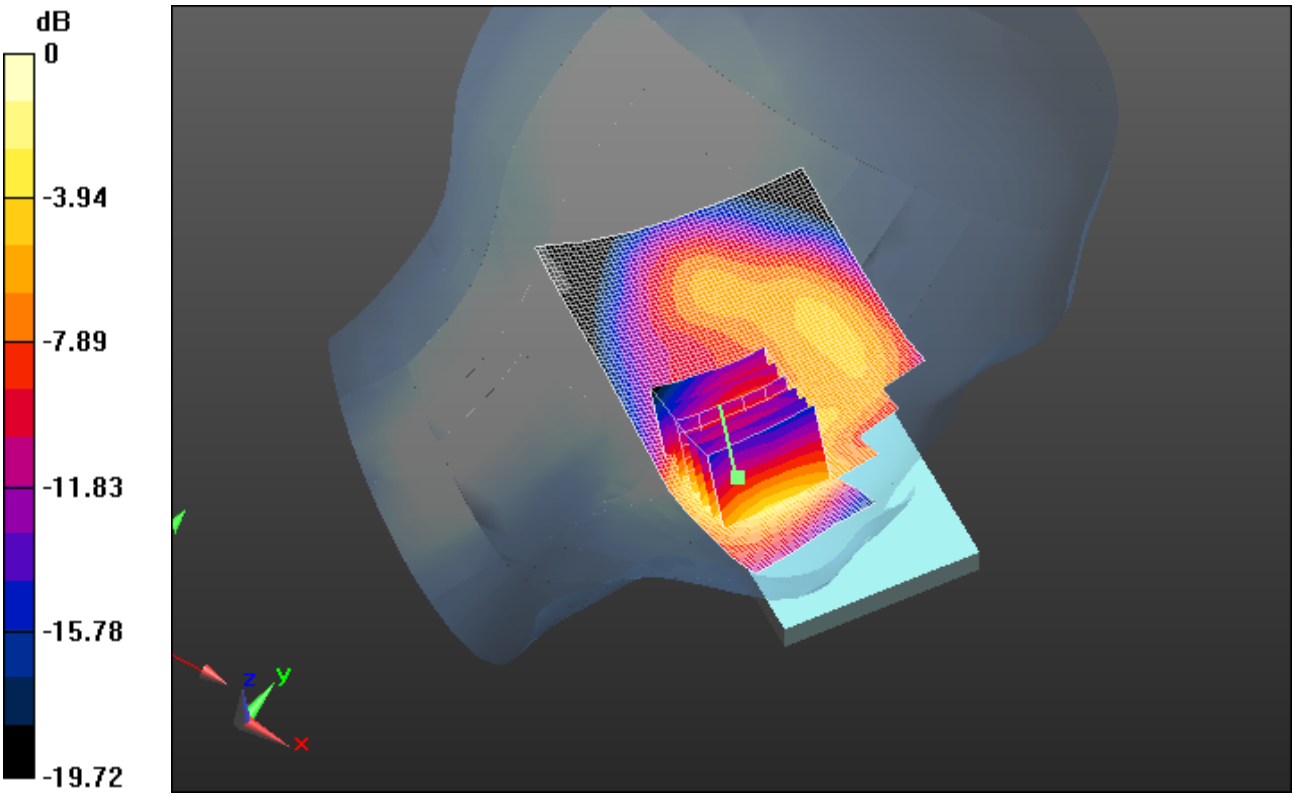

0 dB = 1.130mW/g = 1.06 dB mW/g

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Date/Time: 11/29/2012 1:52:33 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM1900_low_chan_2nd Scan_amb_temp_24.4C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.339 mho/m; ε_r = 38.703; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.126 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.163 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.4980
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.525 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.105 mW/g

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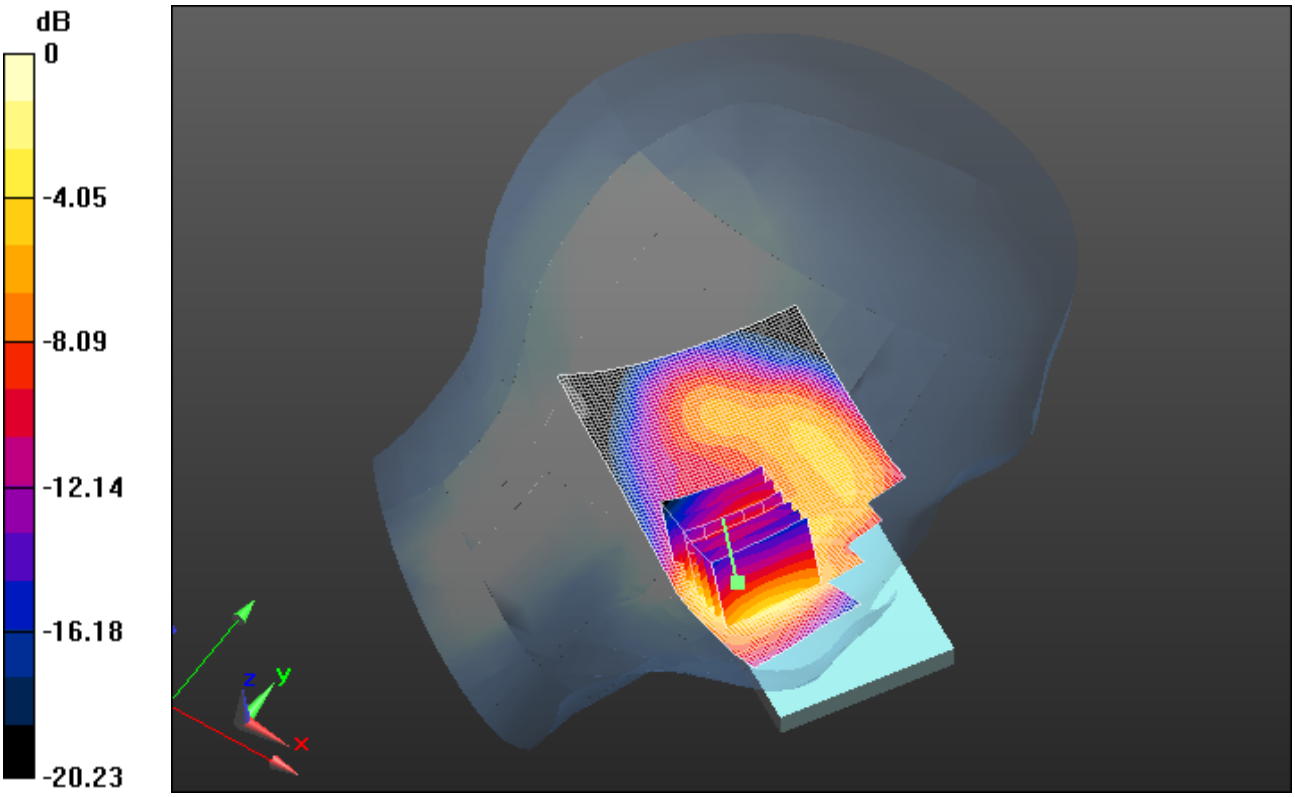

0 dB = 1.100mW/g = 0.83 dB mW/g

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Date/Time: 11/28/2012 9:46:58 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM1900_mid_chan_amb_temp_25.0C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.015 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.014 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.4160
SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.477 mW/g
Maximum value of SAR (measured) = 1.017 mW/g

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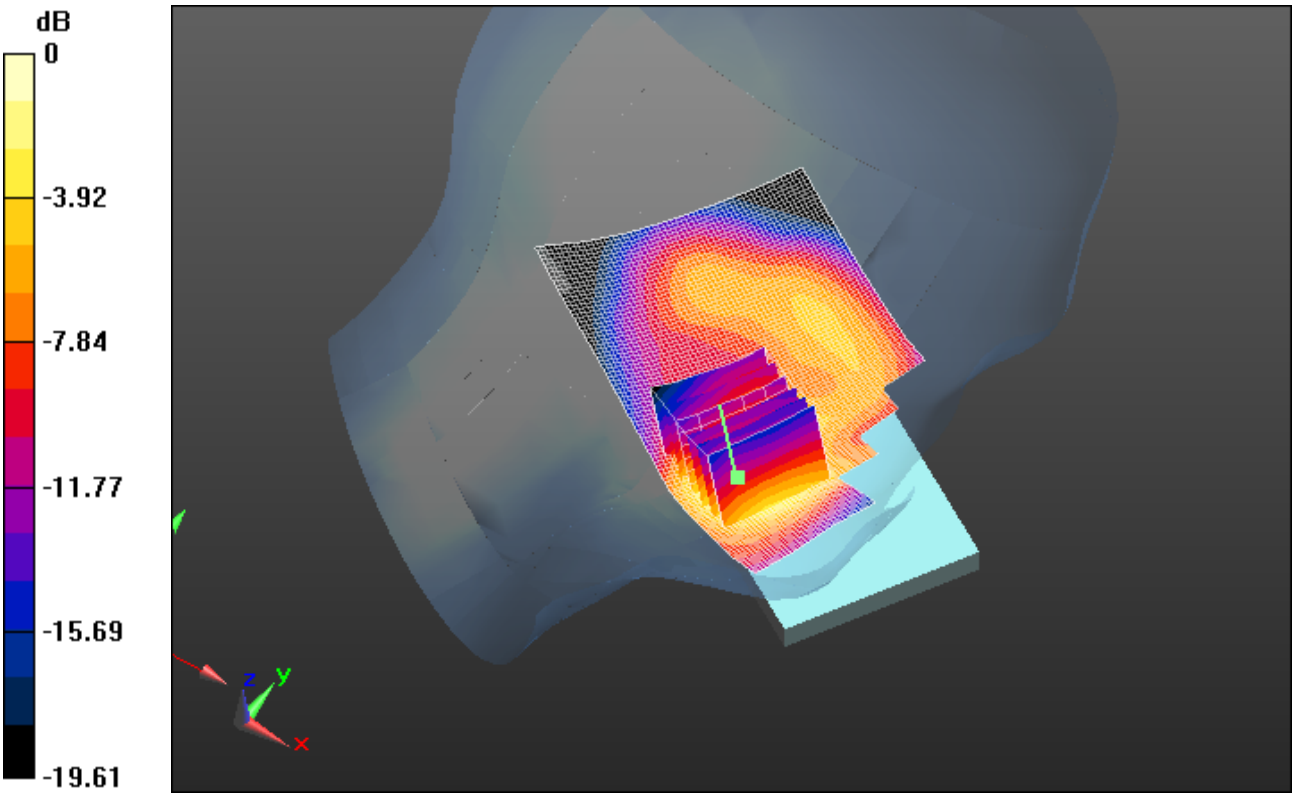

0 dB = 1.020mW/g = 0.17 dB mW/g

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Date/Time: 11/28/2012 10:28:44 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM1900_high_chan_amb_temp_25.0C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.397 mho/m; ε_r = 38.413; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.846 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.115 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.2120
SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.391 mW/g
Maximum value of SAR (measured) = 0.851 mW/g

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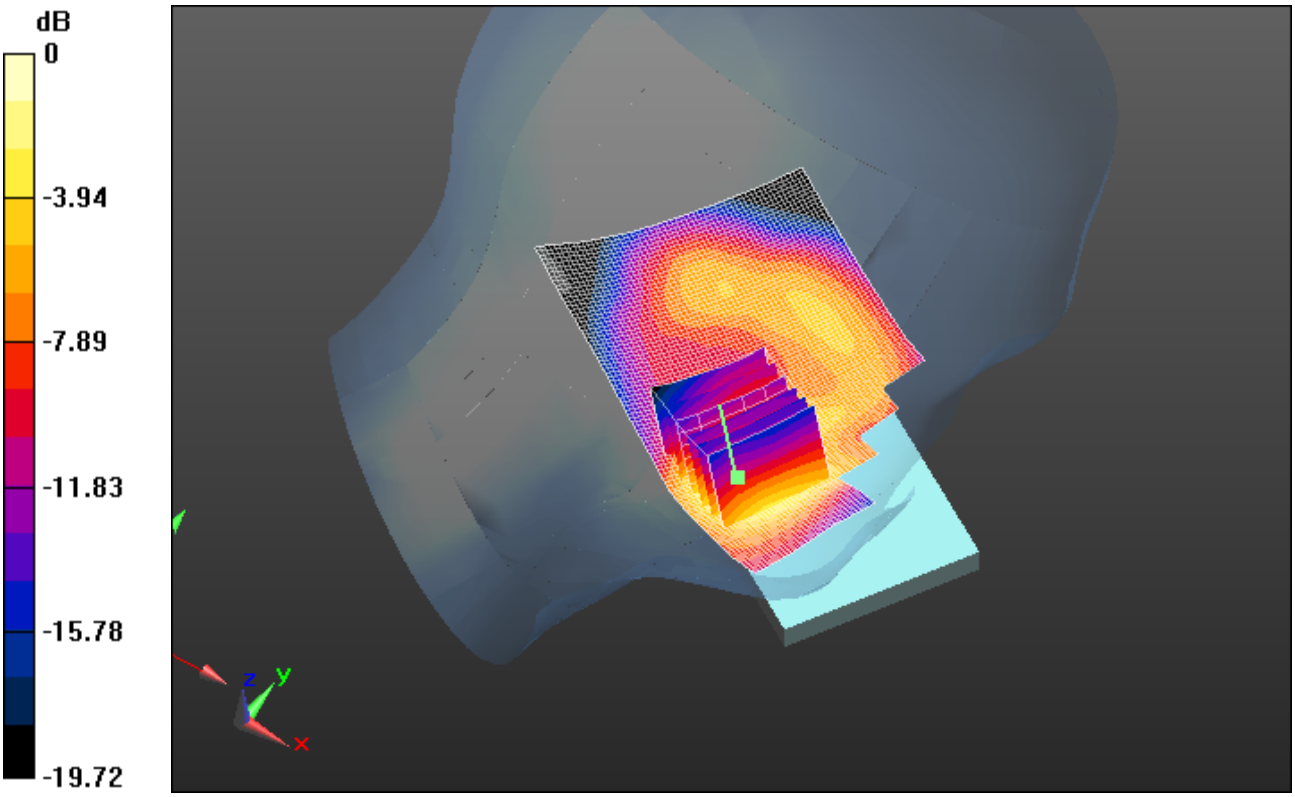

0 dB = 0.850mW/g = -1.41 dB mW/g

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Date/Time: 11/28/2012 11:07:10 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM1900_3slots_high_chan_amb_temp_24.2C_liq_temp _22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900(3 slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.339 mho/m; ε_r = 38.703; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.862 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.254 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.1560
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.405 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.845 mW/g

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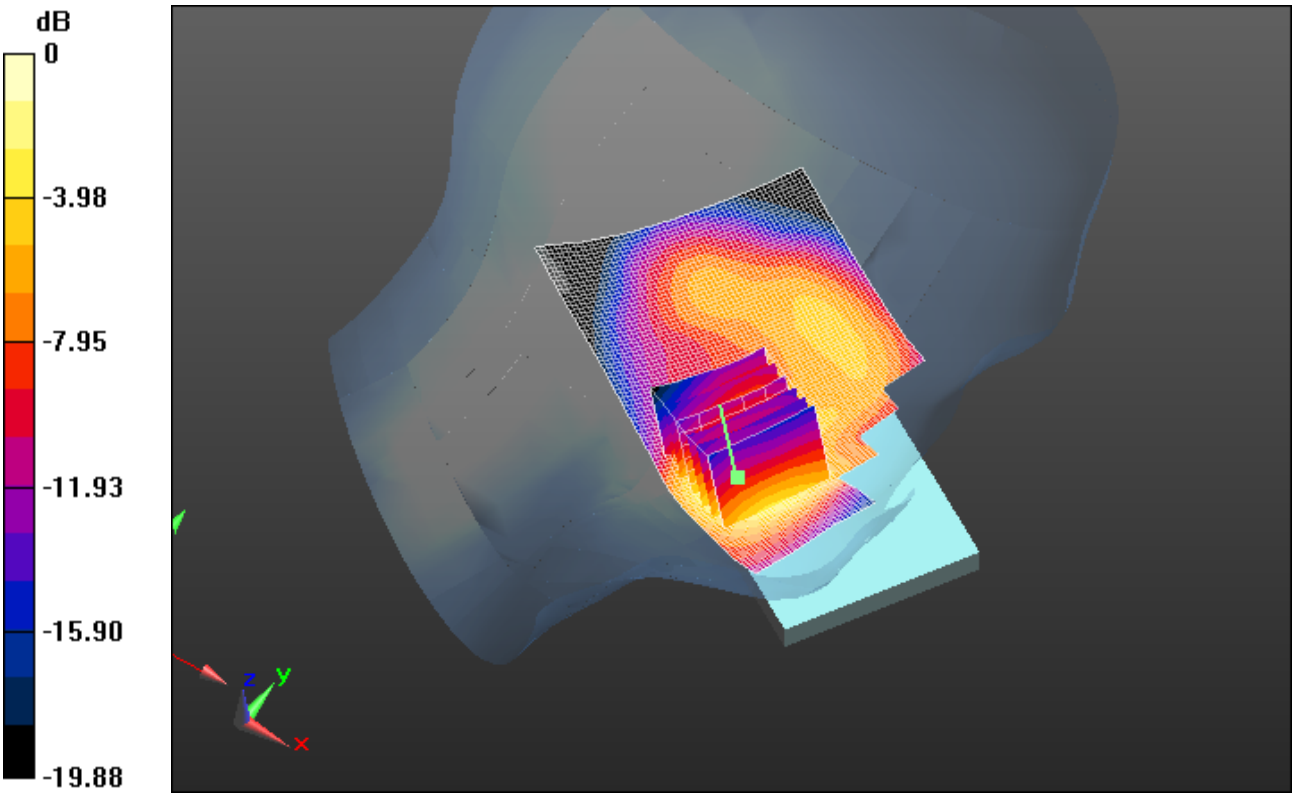

0 dB = 0.840mW/g = -1.51 dB mW/g

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Date/Time: 11/28/2012 11:25:44 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDHE1900_4slots_high_chan_amb_temp_24.2C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900(4 slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.339 mho/m; ε_r = 38.703; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.939 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.854 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.2890
SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.443 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.936 mW/g

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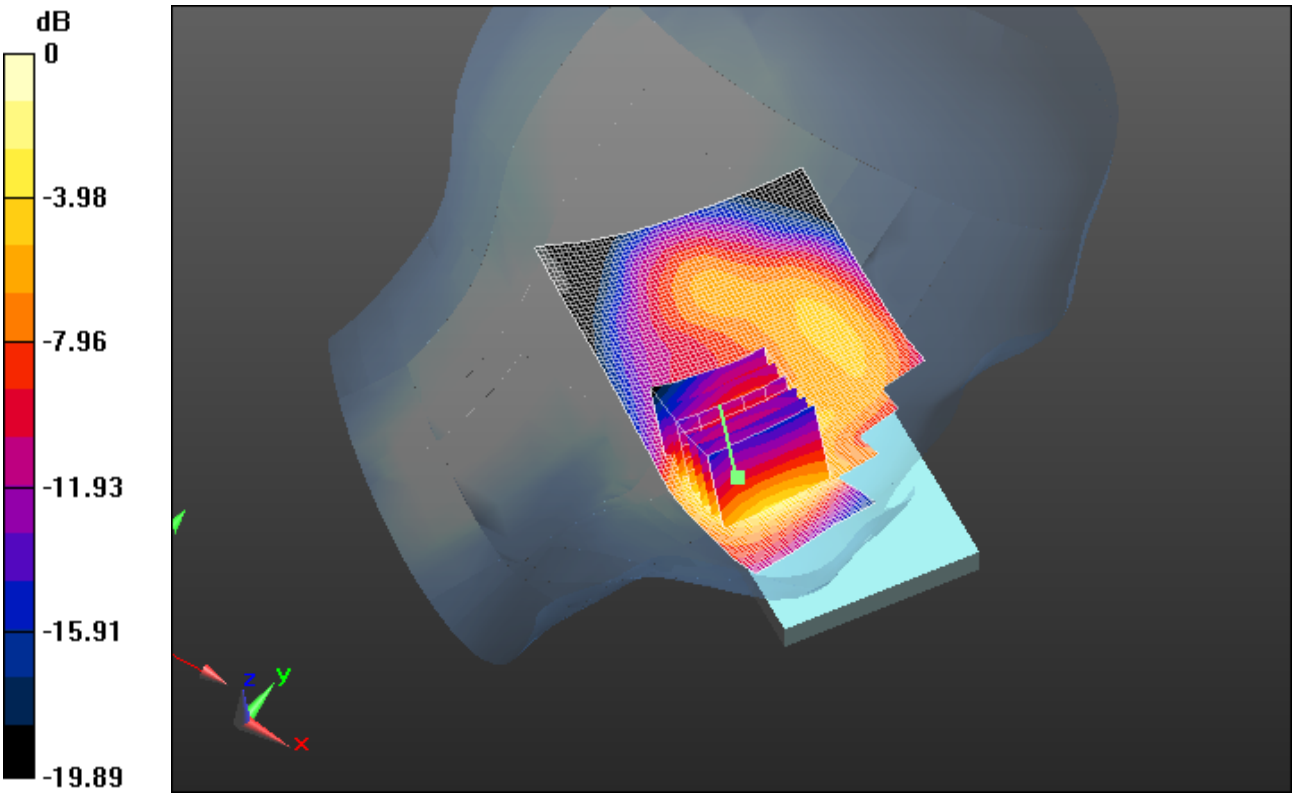

0 dB = 0.940mW/g = -0.54 dB mW/g

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Date/Time: 11/28/2012 11:46:12 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_DTM1900_mid_chan_amb_temp_24.0C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.586 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.162 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.7380
SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.252 mW/g
Maximum value of SAR (measured) = 0.552 mW/g

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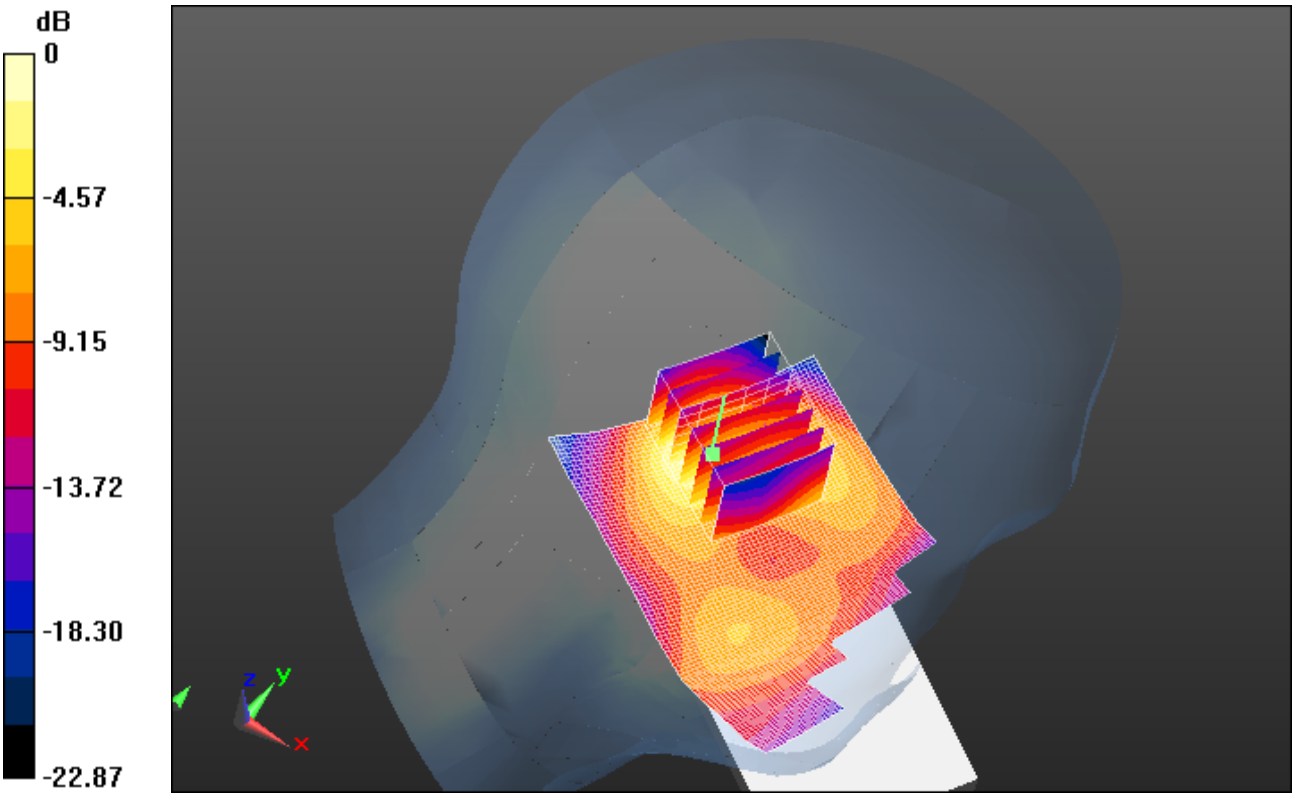

0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 11/28/2012 1:17:13 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_mid_chan_amb_temp_23.9C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: GSM 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.649 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.227 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.9130
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.660 mW/g

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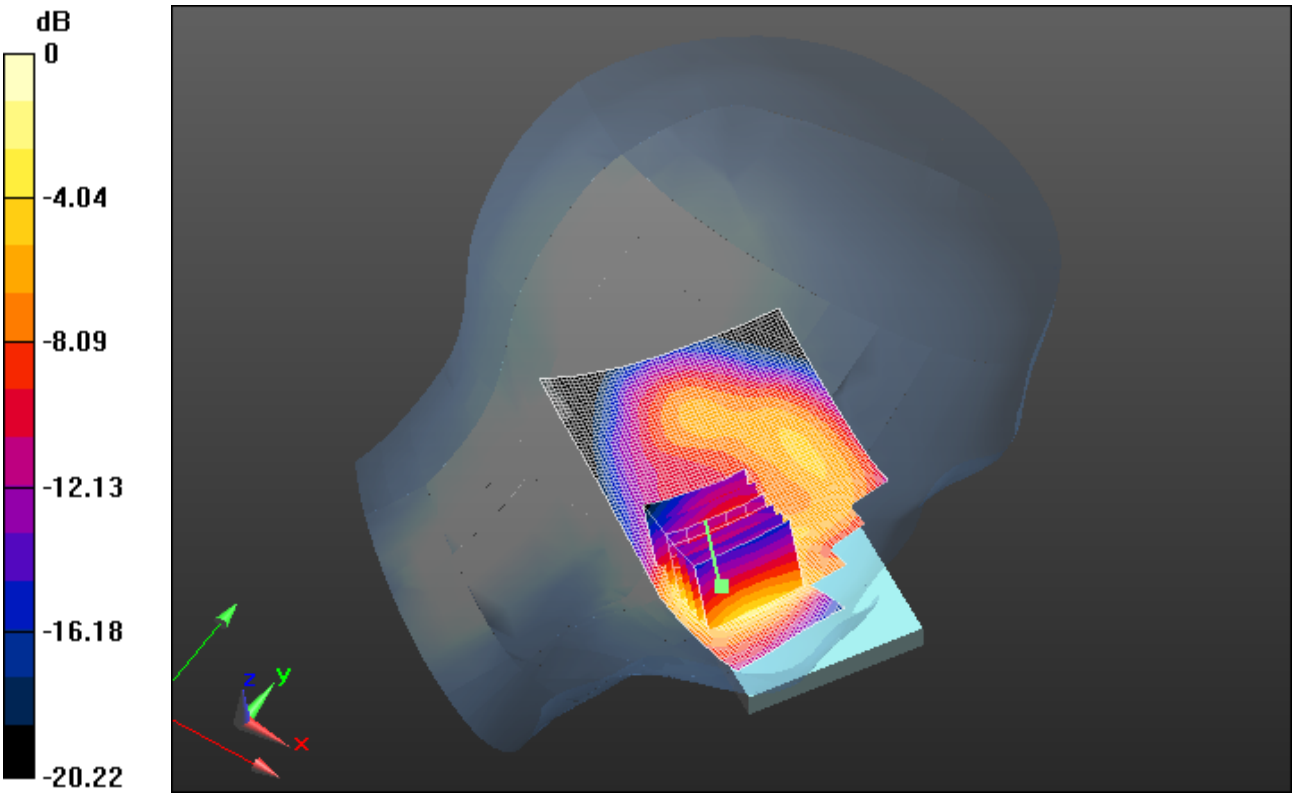

0 dB = 0.660mW/g = -3.61 dB mW/g

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UMTS Band II

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Date/Time: 11/28/2012 6:13:30 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_II_mid_chan_amb_temp_23.8C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.728 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.926 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.8470
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 0.650 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.926 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.6350
SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.258 mW/g
Maximum value of SAR (measured) = 0.487 mW/g

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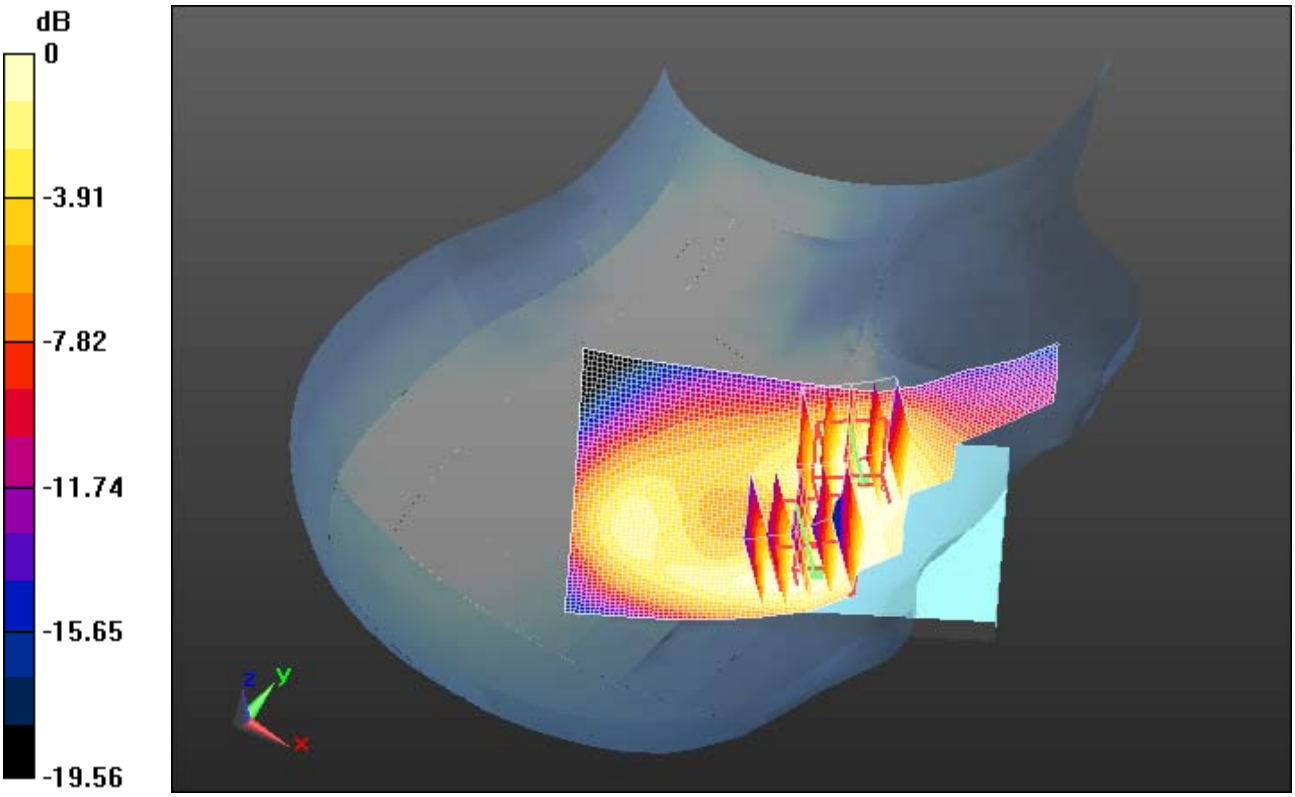

0 dB = 0.490mW/g = -6.20 dB mW/g

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Date/Time: 11/28/2012 7:31:02 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_Band_II_mid_chan_amb_temp_23.8C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.562 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.841 V/m; Power Drift = -0.0019 dB
Peak SAR (extrapolated) = 0.7240
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 0.536 mW/g

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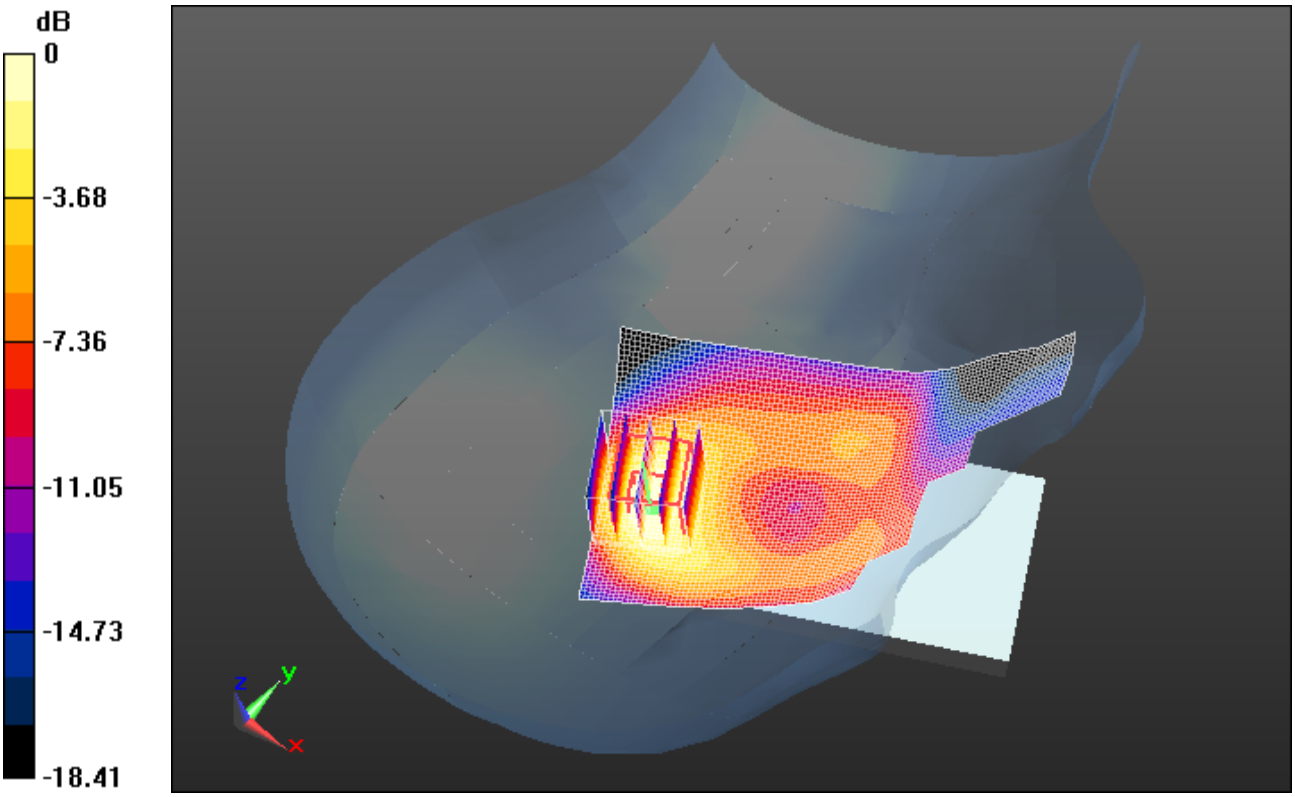

0 dB = 0.540mW/g = -5.35 dB mW/g

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Date/Time: 11/28/2012 2:12:34 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_low_chan_amb_temp_24.0C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.341 mho/m; ε_r = 38.692; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.051 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.414 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.4850
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.497 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.074 mW/g

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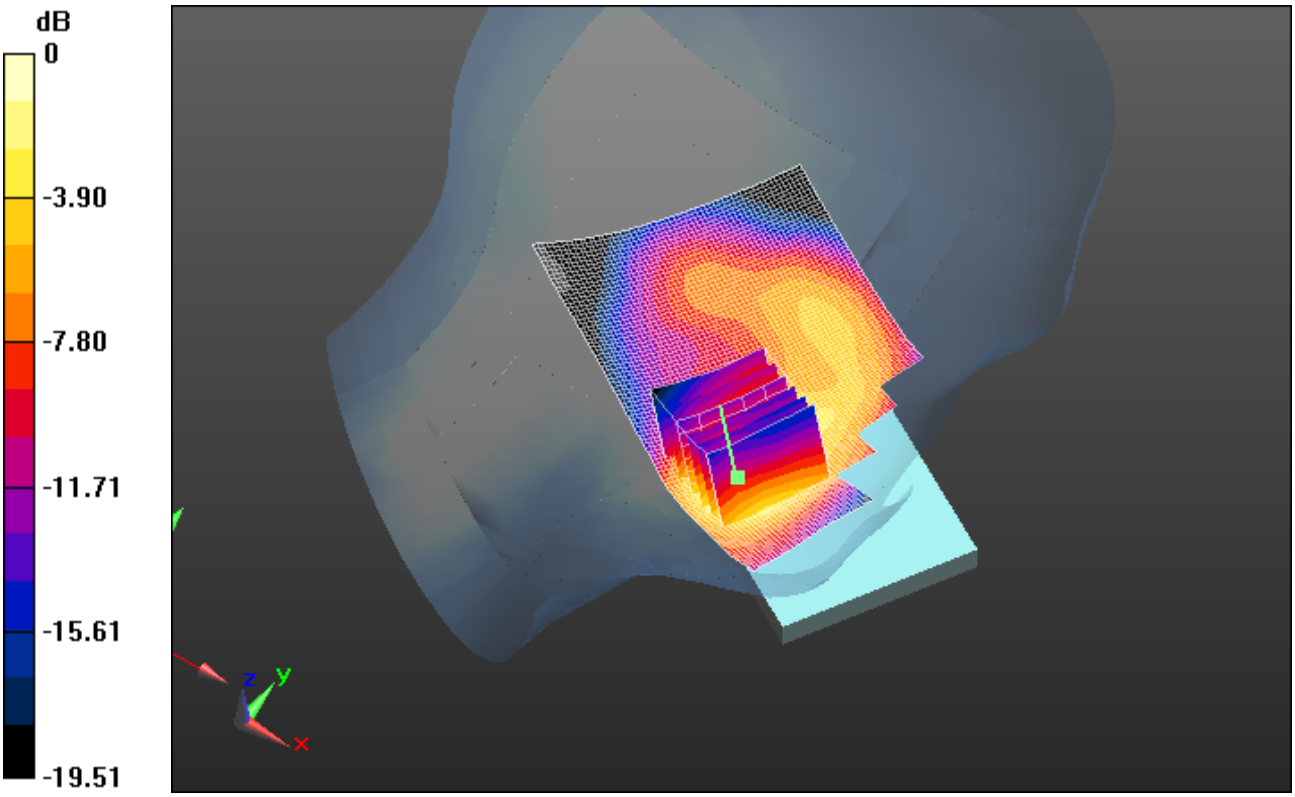

0 dB = 1.070mW/g = 0.59 dB mW/g

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Date/Time: 11/28/2012 1:53:14 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_mid_chan_amb_temp_25.0C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.116 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.972 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.6550
SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.534 mW/g
Maximum value of SAR (measured) = 1.182 mW/g

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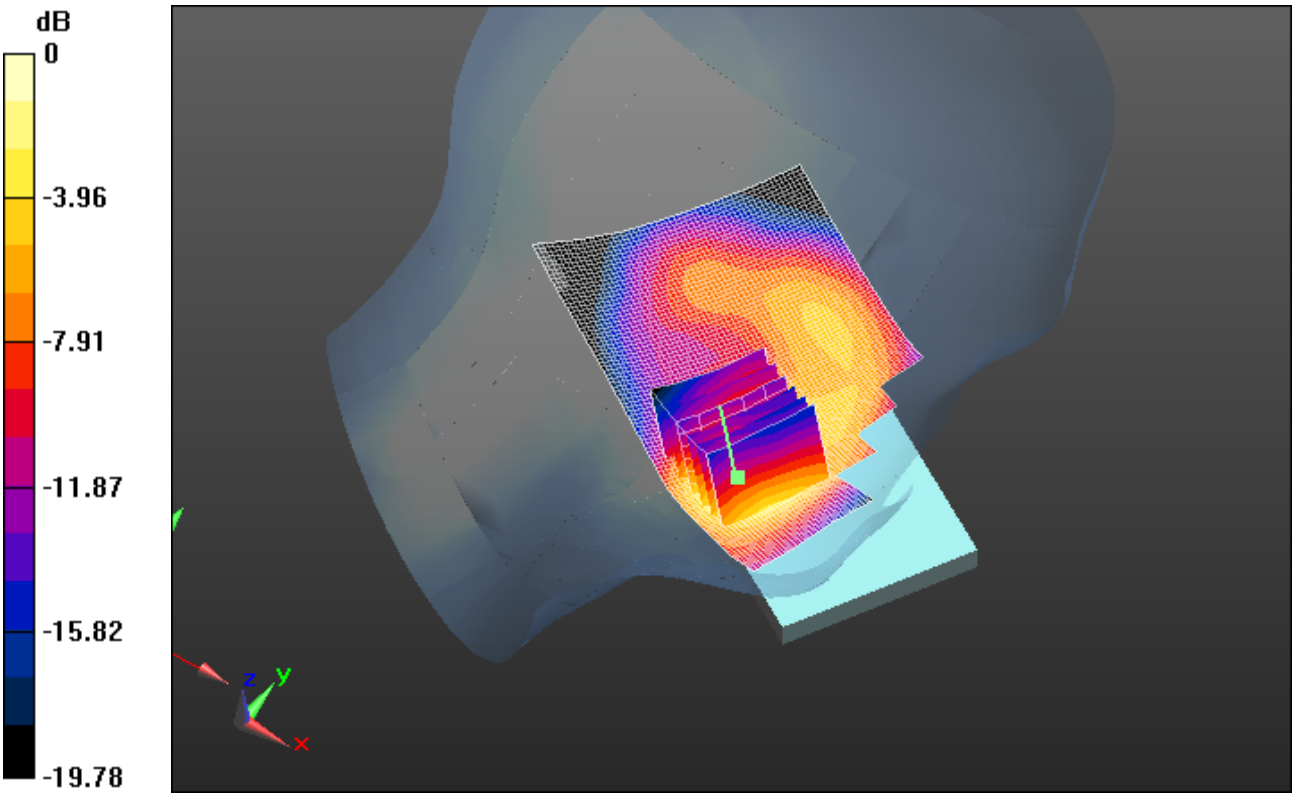

0 dB = 1.180mW/g = 1.44 dB mW/g

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Date/Time: 11/28/2012 2:34:25 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_24.3C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 38.416; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.305 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.668 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.8920
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.599 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.358 mW/g

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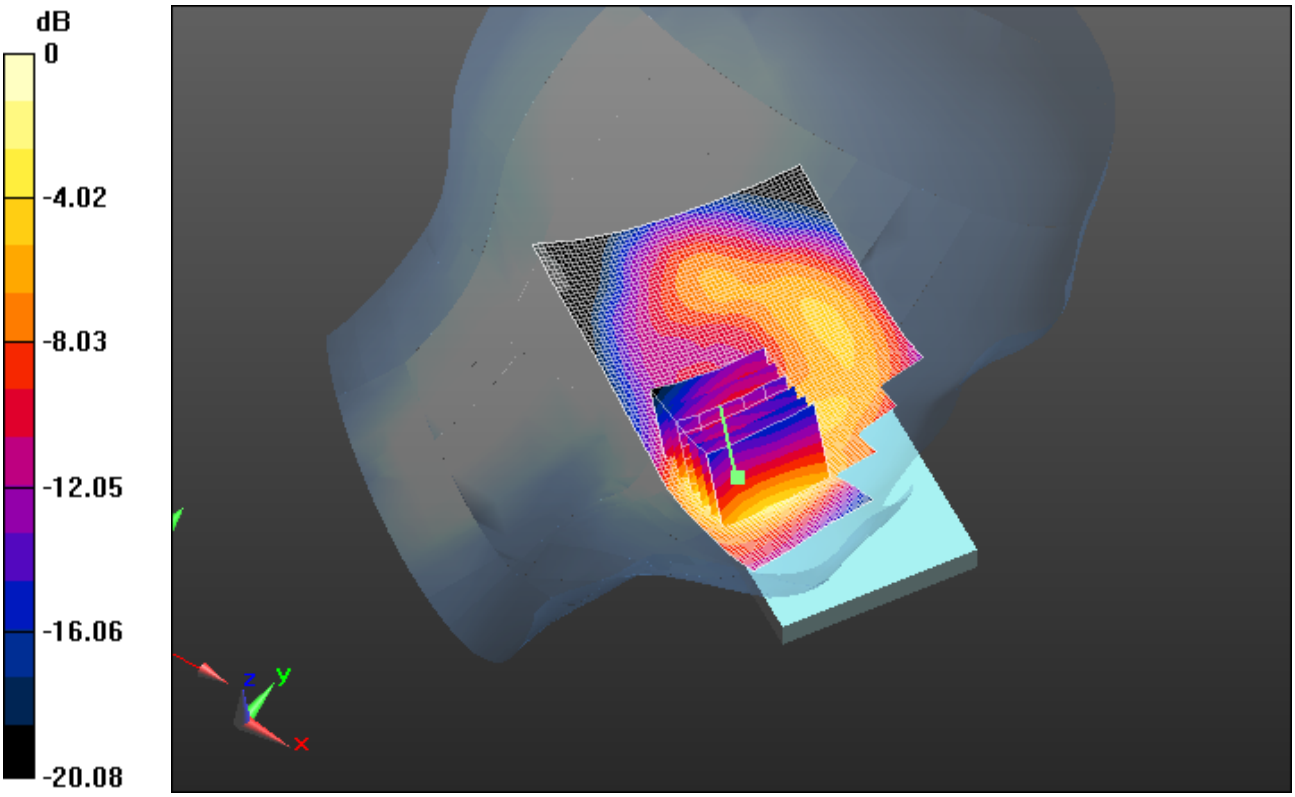

0 dB = 1.360mW/g = 2.67 dB mW/g

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Date/Time: 11/29/2012 1:18:19 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_2nd Scan_amb_temp_23.9C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 38.416; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.243 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.556 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.7830
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.564 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.235 mW/g

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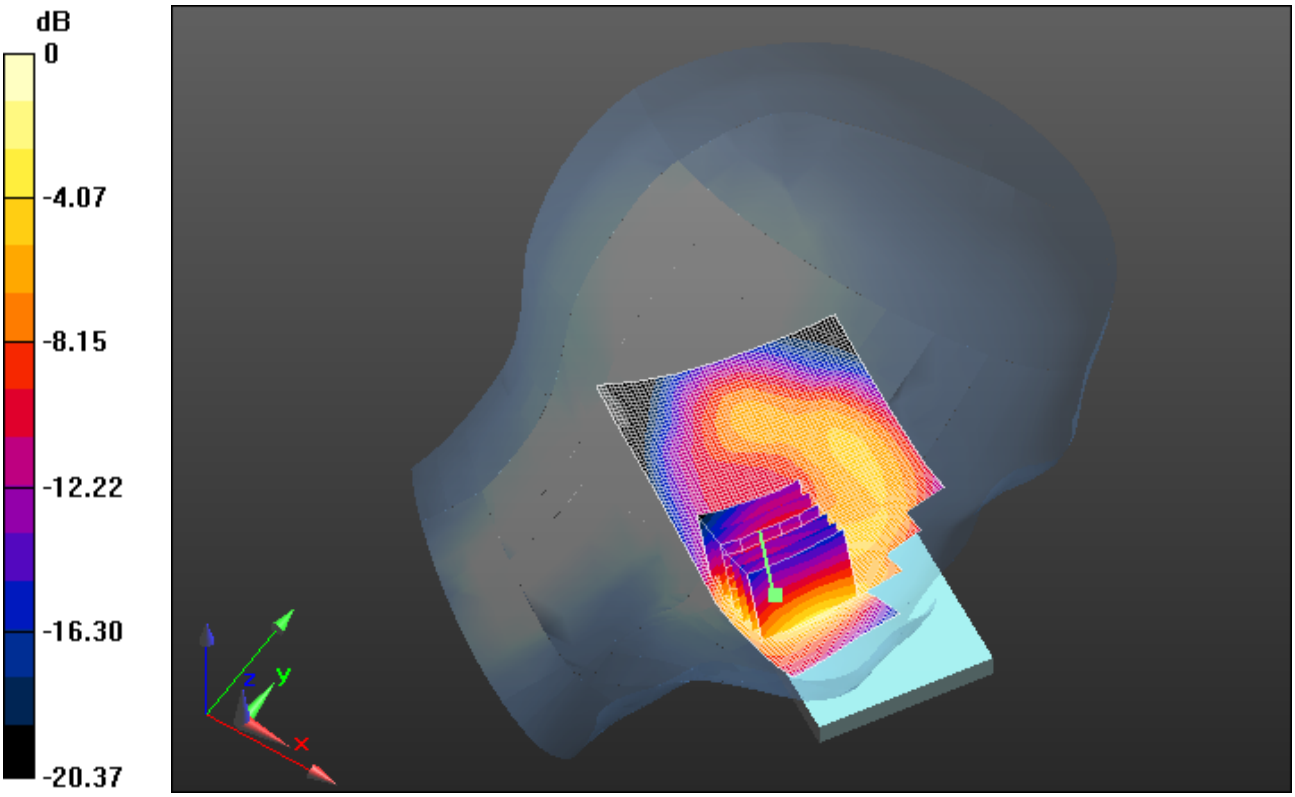

0 dB = 1.230mW/g = 1.80 dB mW/g

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Date/Time: 11/28/2012 1:30:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_Band_II_mid_chan_amb_temp_24.2C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.586 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.255 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.7440
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.554 mW/g

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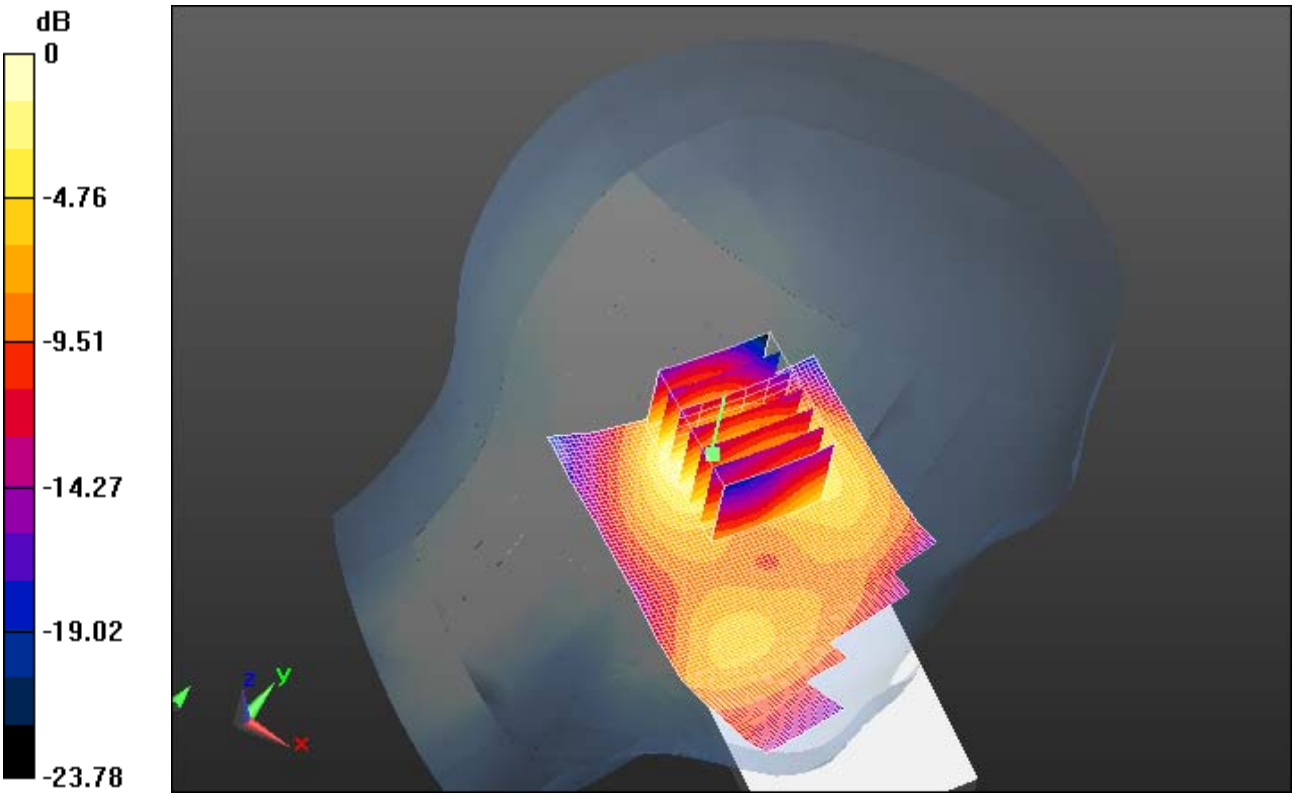

0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 11/30/2012 2:52:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_2100

DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0BA5

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.389 S/m; ε_r = 39.415; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012;
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.32 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.759 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.601 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.35 W/kg

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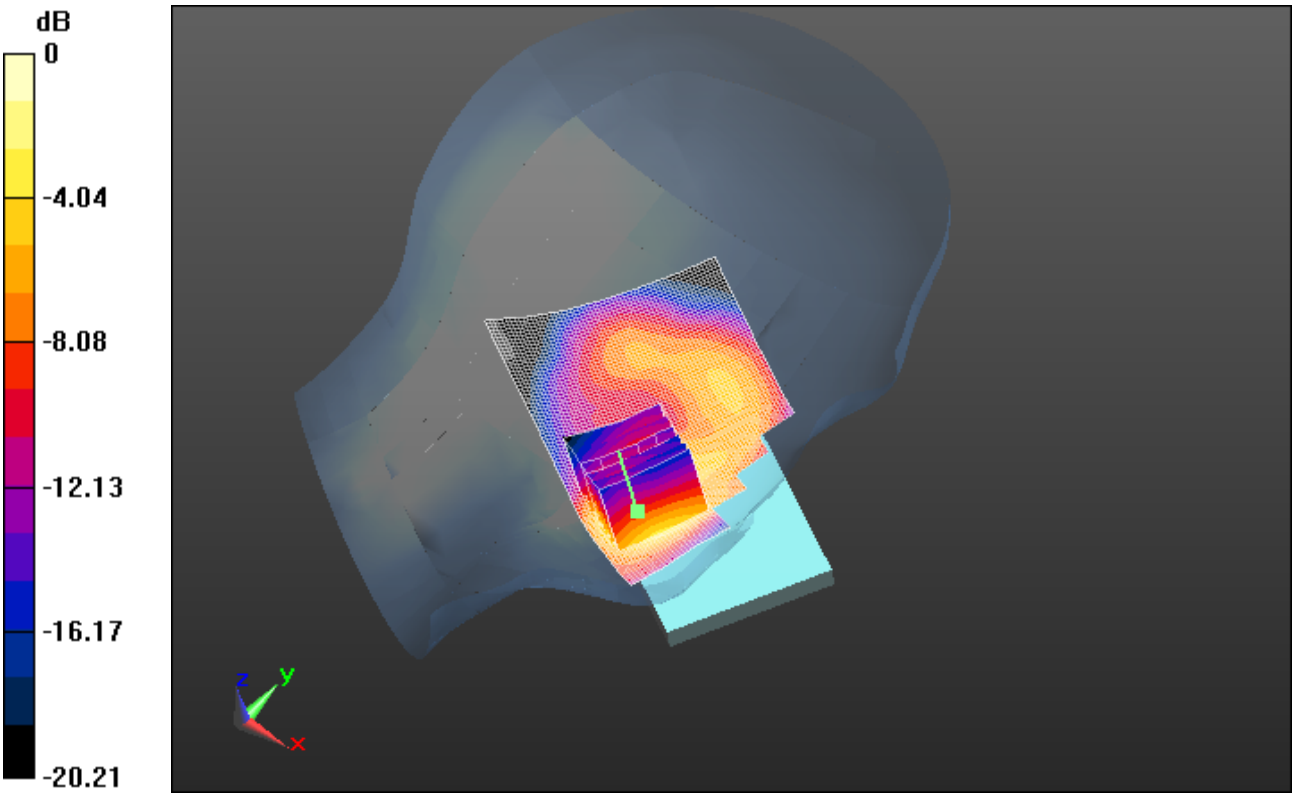

0 dB = 1.35 W/kg = 1.30 dBW/kg

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802.11b

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Date: 1/18/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Right-Hand-Side HSL

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;
Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; σ = 1.777 S/m; ε_r = 37.688; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.6,4.6,4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.9C_liq_temp_21.6C/Area Scan (81x121x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.457 W/kg

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.9C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 8.747 V/m; **Power Drift = -0.041 dB**

Averaged SAR: SAR(1g) = 0.403 W/kg; SAR(10g) = 0.191 W/kg
Maximum value of SAR (interpolated) = 0.987 W/kg

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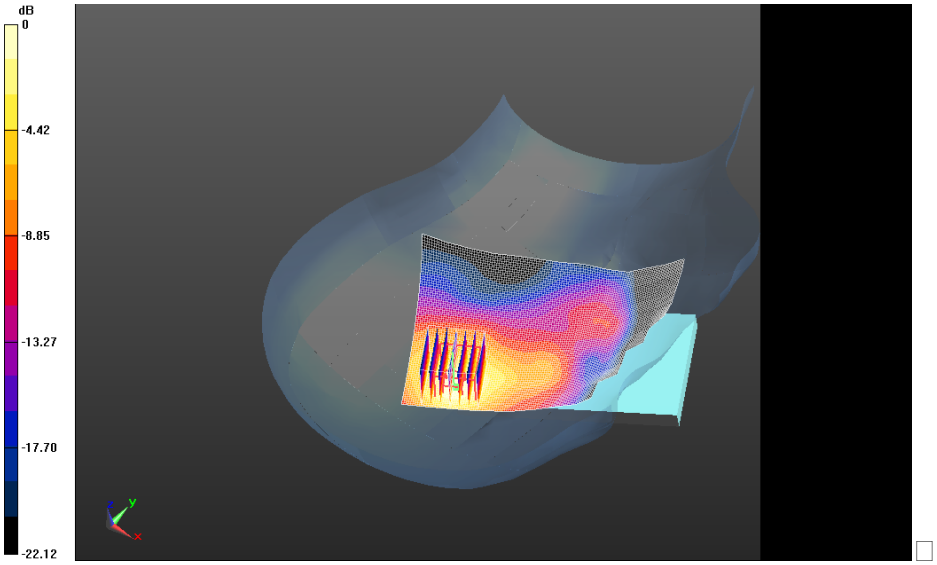

0 dB = 0.447 W/kg = -3.50 dBW/kg

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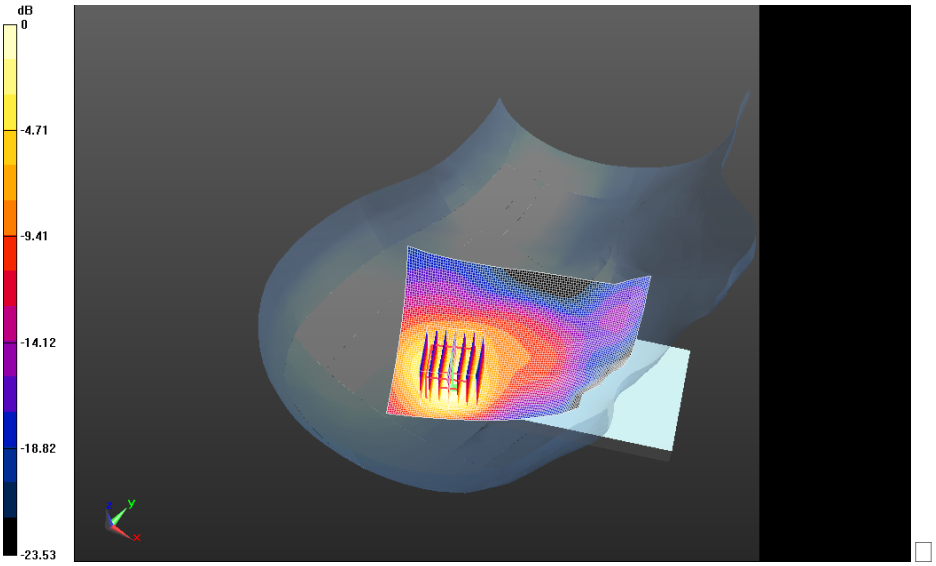
Right-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.69C_liq_temp_21.5C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.425 W/kg

Right-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.69C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 9.445 V/m; **Power Drift = -0.064 dB**

Averaged SAR: SAR(1g) = 0.404 W/kg; SAR(10g) = 0.186 W/kg
Maximum value of SAR (interpolated) = 1.03 W/kg



0 dB = 0.447 W/kg = -3.50 dBW/kg

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Date: 1/18/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Left-Hand-Side HSL

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; σ = 1.777 S/m; ε_r = 37.688; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.6,4.6,4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_24C_liq_temp_21.9C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Left-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_24C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 10.019 V/m; **Power Drift = 0.078 dB**

Averaged SAR: SAR(1g) = 0.188 W/kg; SAR(10g) = 0.107 W/kg
Maximum value of SAR (interpolated) = 0.349 W/kg

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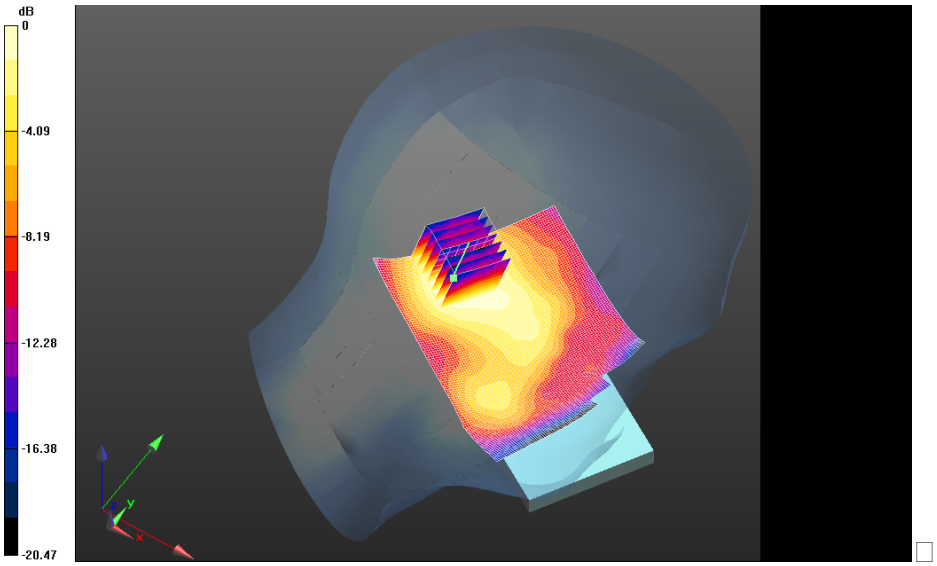

0 dB = 0.205 W/kg = -6.88 dBW/kg

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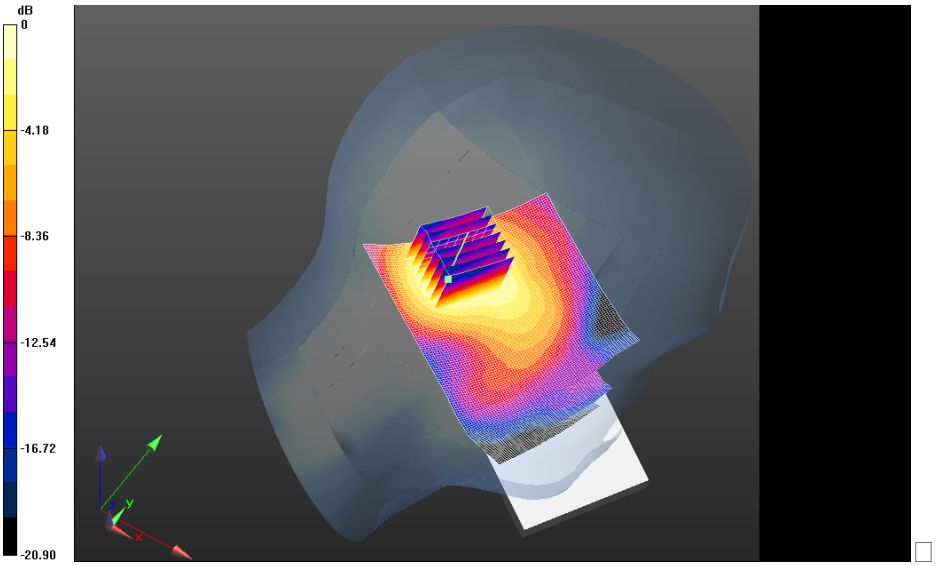
Left-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Area Scan (81x121x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.236 W/kg

Left-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Zoom Scan (36x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 9.815 V/m; **Power Drift = 0.068 dB**

Averaged SAR: SAR(1g) = 0.224 W/kg; SAR(10g) = 0.124 W/kg
Maximum value of SAR (interpolated) = 0.418 W/kg



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

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Date/Time: 1/18/2013 2:55:28 PM

Test Laboratory: RIM Testing Services

Head_SAR_802.11b_2100

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.777 S/m; ε_r = 37.688; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.6, 4.6, 4.6); Calibrated: 11/13/2012;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL/Touch Position - 802.11b_2100mA_mid_chan_amb_temp_23.9C_liq_temp_21.6C 2/Area Scan (81x121x1):

Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.427 W/kg

Right-Hand-Side HSL/Touch Position - 802.11b_2100mA_mid_chan_amb_temp_23.9C_liq_temp_21.6C 2/Zoom Scan (8x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.123 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.954 W/kg
SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.191 W/kg

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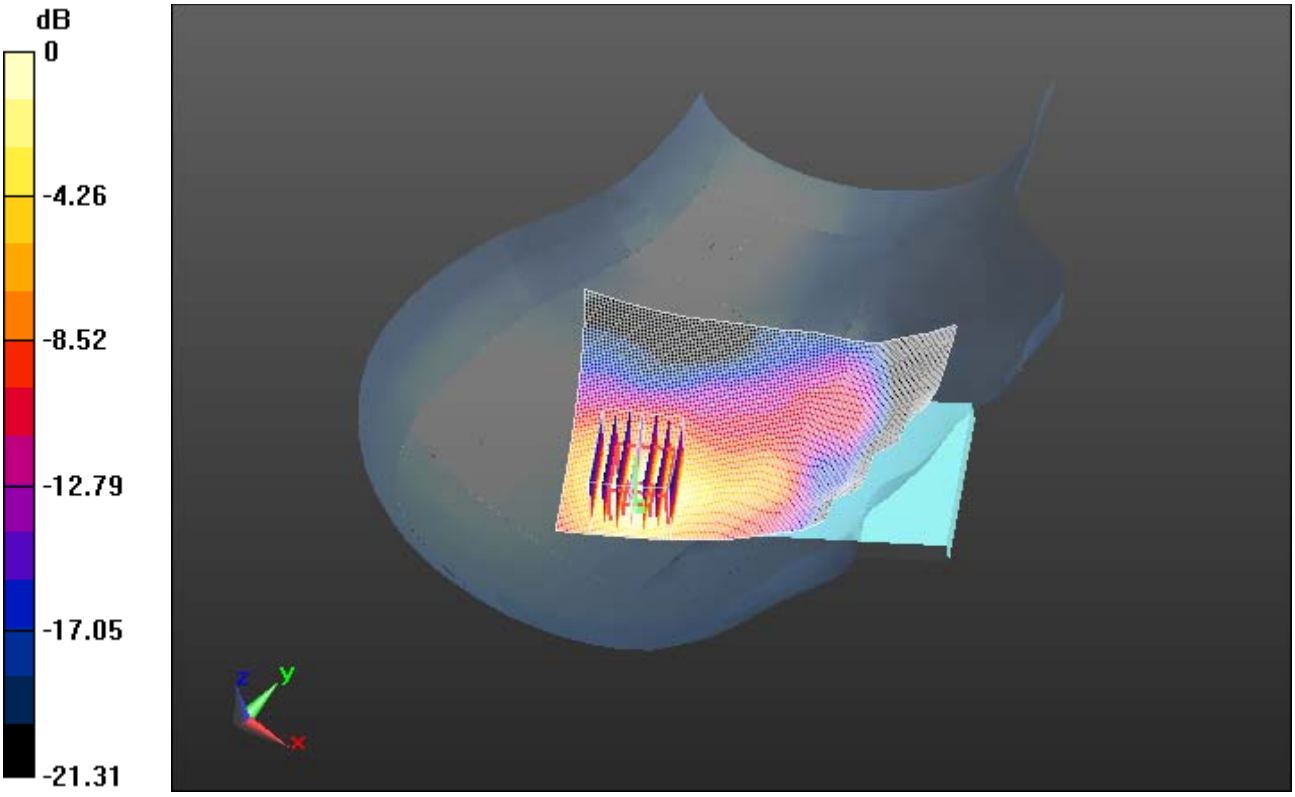
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

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Bluetooth

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Date: 1/22/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Right-Hand-Side HSL

Communication System: Bluetooth; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; σ = 1.750 S/m; ε_r = 37.398; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.6,4.6,4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x121x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00240 W/kg

Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (41x36x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.348 V/m; **Power Drift = 0.548 dB**

Averaged SAR: SAR(1g) = 0.00224 W/kg; SAR(10g) = 0.000800 W/kg
Maximum value of SAR (interpolated) = 0.00797 W/kg

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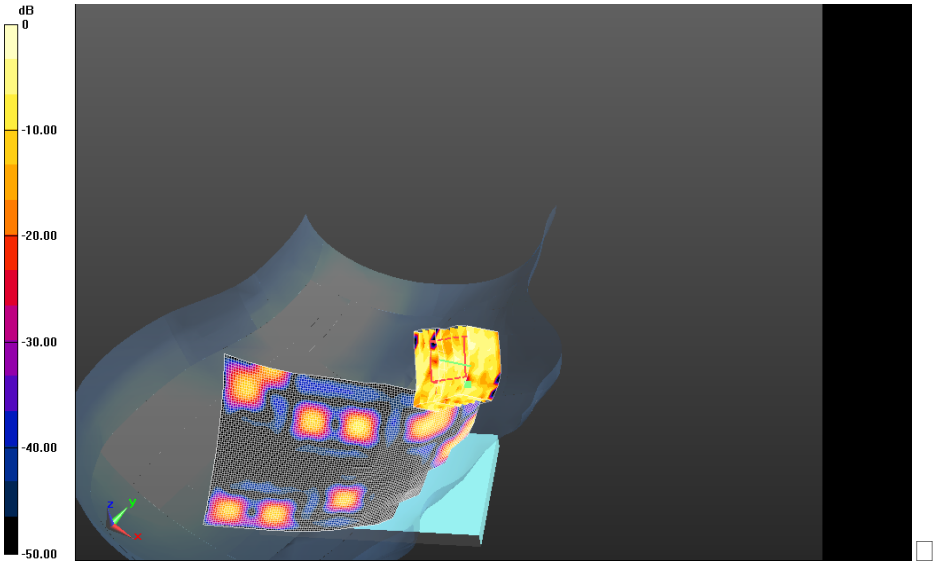

0 dB = 0.00659 W/kg = -21.81 dBW/kg

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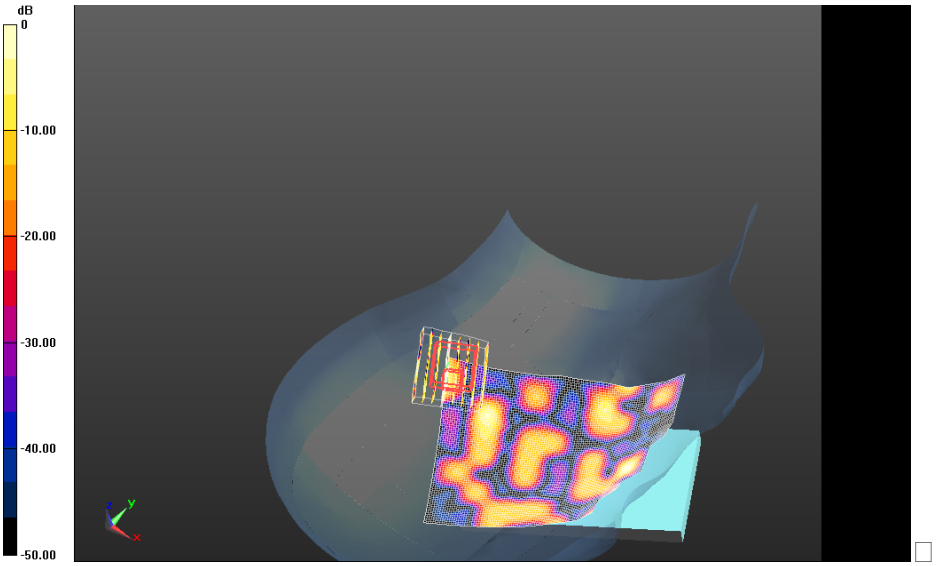
Right-Hand-Side HSL/Touch Position - Bluetooth_2100mA_mid_chan_amb_temp_23.4C_liq_temp_20.8/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00644 W/kg

Right-Hand-Side HSL/Touch Position - Bluetooth_2100mA_mid_chan_amb_temp_23.4C_liq_temp_20.8/Zoom Scan (36x36x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.355 V/m; **Power Drift = -0.053 dB**

Averaged SAR: SAR(1g) = 0.000720 W/kg; SAR(10g) = 0.000262 W/kg
Maximum value of SAR (interpolated) = 0.00548 W/kg



0 dB = 0.00659 W/kg = -21.81 dBW/kg

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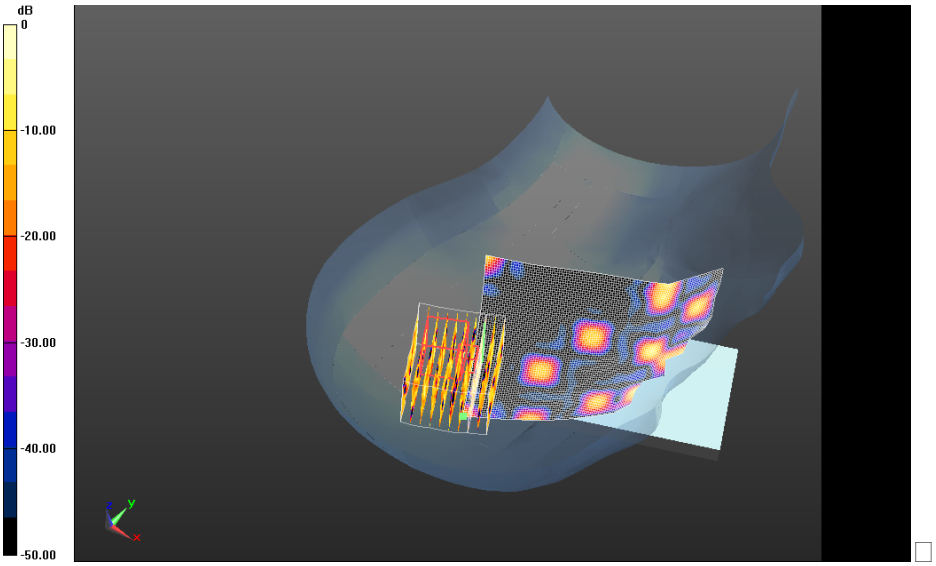
Right-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.5C_liq_temp_21.1C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00180 W/kg

Right-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.5C_liq_temp_21.1C/Zoom Scan (56x46x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.737 V/m; **Power Drift = 0.463 dB**

Averaged SAR: SAR(1g) = 0.000406 W/kg; SAR(10g) = 0.000143 W/kg
Maximum value of SAR (interpolated) = 0.00648 W/kg



0 dB = 0.00529 W/kg = -22.77 dBW/kg

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Date: 1/22/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Left-Hand-Side HSL

Communication System: Bluetooth; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; σ = 1.750 S/m; ε_r = 37.398; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.6,4.6,4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00470 W/kg

Left-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (36x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.406 V/m; **Power Drift = 0.227 dB**

Averaged SAR: SAR(1g) = 0.000290 W/kg; SAR(10g) = 0.0000660 W/kg
Maximum value of SAR (interpolated) = 0.00587 W/kg
Field decay constant of 3.3 mm.

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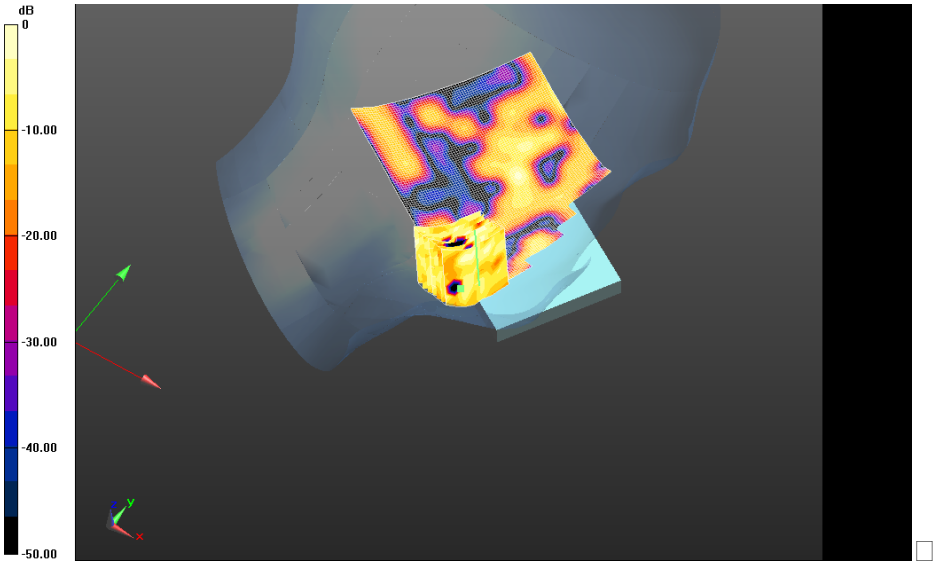

0 dB = 0.00587 W/kg = -22.31 dBW/kg

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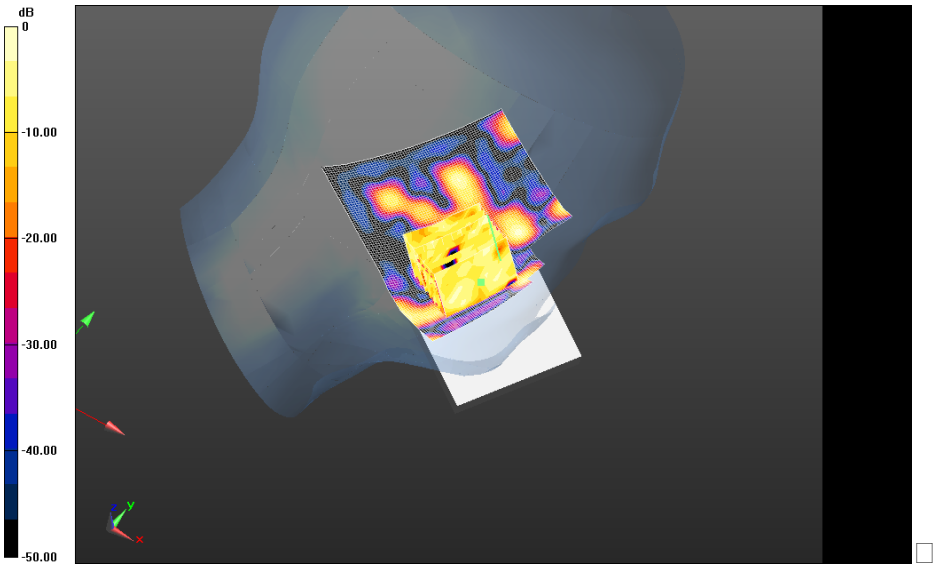
Left-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x101x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00881 W/kg

Left-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (41x36x36)/Cube 0: **Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm**
Reference Value = 0.341 V/m; **Power Drift = 0.439 dB**

Averaged SAR: SAR(1g) = 0.000448 W/kg; SAR(10g) = 0.000105 W/kg
Maximum value of SAR (interpolated) = 0.00755 W/kg



0 dB = 0.00587 W/kg = -22.31 dBW/kg

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Date: 2/28/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2AB01FAD

Configuration: Right-Hand-Side HSL 802.11b Rev3-02

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; σ = 1.767 S/m; ε_r = 37.742; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.65,4.65,4.65); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL 802.11b Rev3-02/Touch Position - 802.11b_mid_chan_amb_temp_23.2C_liq_temp_20.5C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.163 W/kg

Right-Hand-Side HSL 802.11b Rev3-02/Touch Position - 802.11b_mid_chan_amb_temp_23.2C_liq_temp_20.5C/Zoom Scan (36x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.193 V/m; **Power Drift = 0.449 dB**

Averaged SAR: SAR(1g) = 0.121 W/kg; SAR(10g) = 0.0587 W/kg
Maximum value of SAR (interpolated) = 0.278 W/kg

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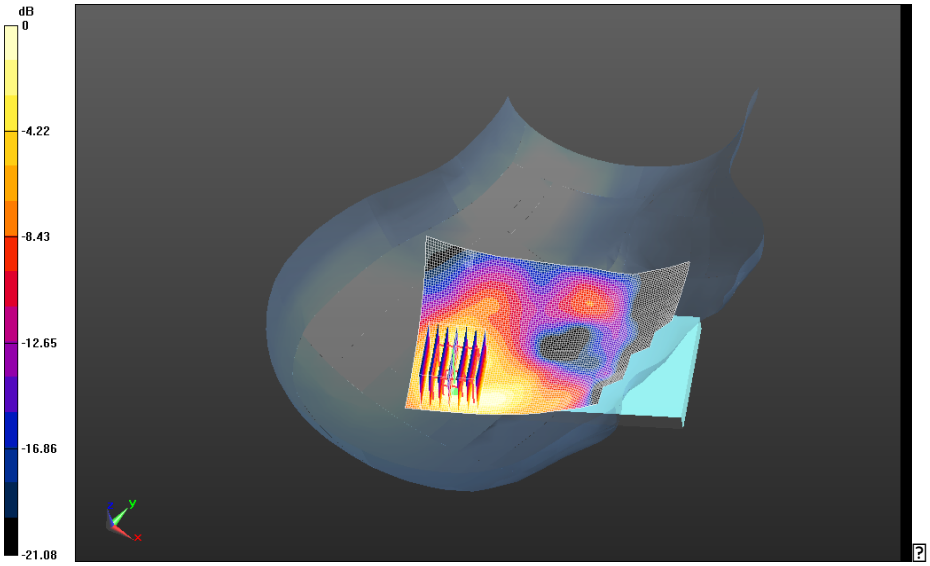

0 dB = 0.162 W/kg = -7.90 dBW/kg

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802.11a

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Date: 1/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Right-Hand-Side HSL 5200 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5240 MHz
Medium Parameters used: f=5240 MHz; σ = 4.727 S/m; ε_r = 34.212; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.73,4.73,4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_23.2C_liq_temp_21.3C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.430 W/kg

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_23.2C_liq_temp_21.3C/Zoom Scan (36x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 10.144 V/m; Power Drift = 0.139 dB

Averaged SAR: SAR(1g) = 0.207 W/kg; SAR(10g) = 0.0786 W/kg
Maximum value of SAR (interpolated) = 2.05 W/kg

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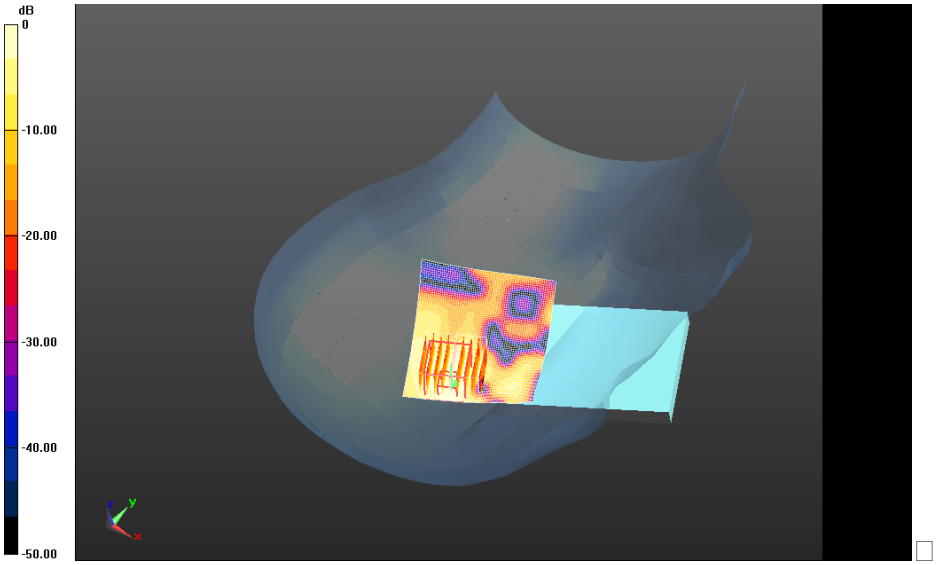

0 dB = 0.401 W/kg = -3.97 dBW/kg

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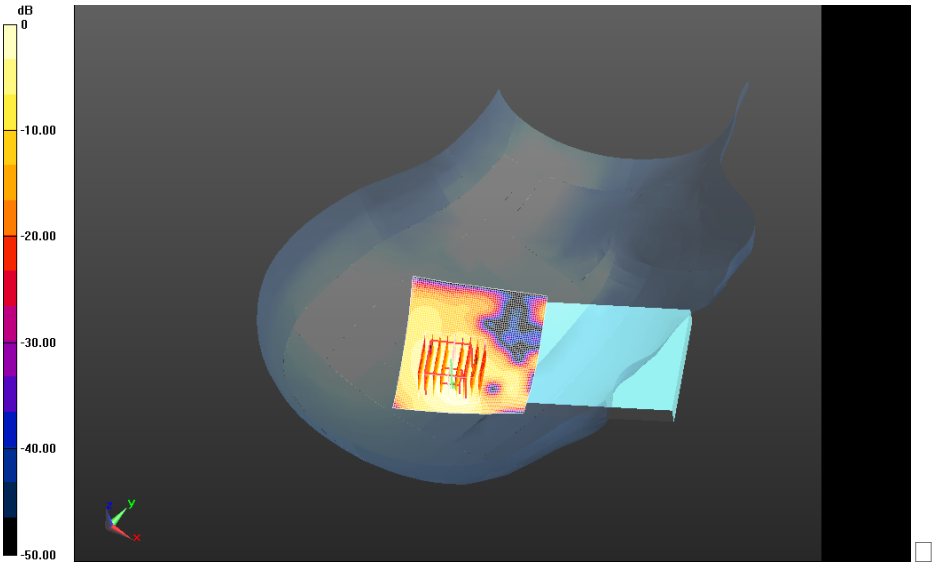
Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.454 W/kg

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (36x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 10.207 V/m; Power Drift = 0.225 dB

Averaged SAR: SAR(1g) = 0.232 W/kg; SAR(10g) = 0.0894 W/kg
Maximum value of SAR (interpolated) = 0.949 W/kg



0 dB = 0.401 W/kg = -3.97 dBW/kg

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Date: 1/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Right-Hand-Side HSL 5500 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.123 S/m; ε_r = 34.126; ρ = 1.000 g/cm^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.28,4.28,4.28); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.587 W/kg
10g avg. SAR maximum on border.

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 10.912 V/m; Power Drift = 0.144 dB

Averaged SAR: SAR(1g) = 0.245 W/kg; SAR(10g) = 0.0749 W/kg
Maximum value of SAR (interpolated) = 0.962 W/kg

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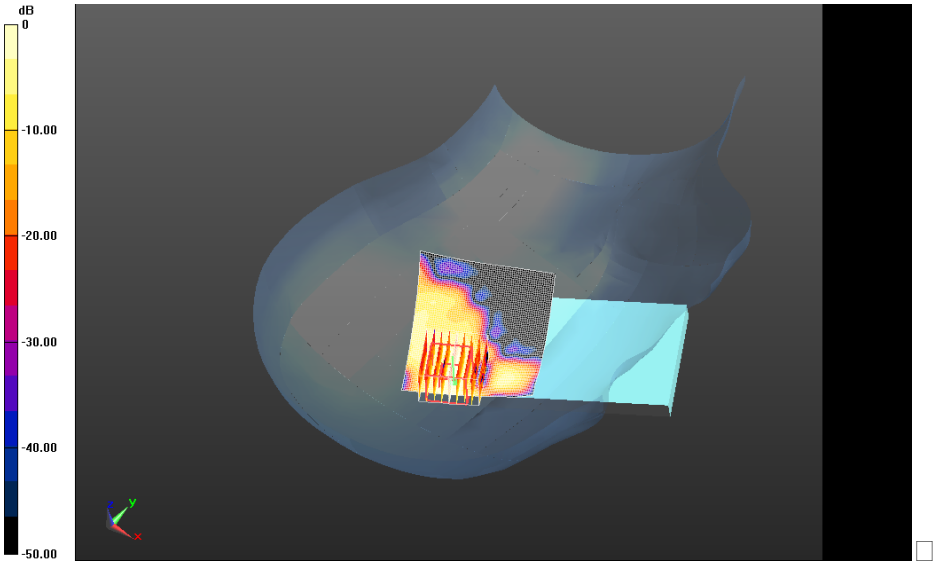

0 dB = 0.504 W/kg = -2.98 dBW/kg

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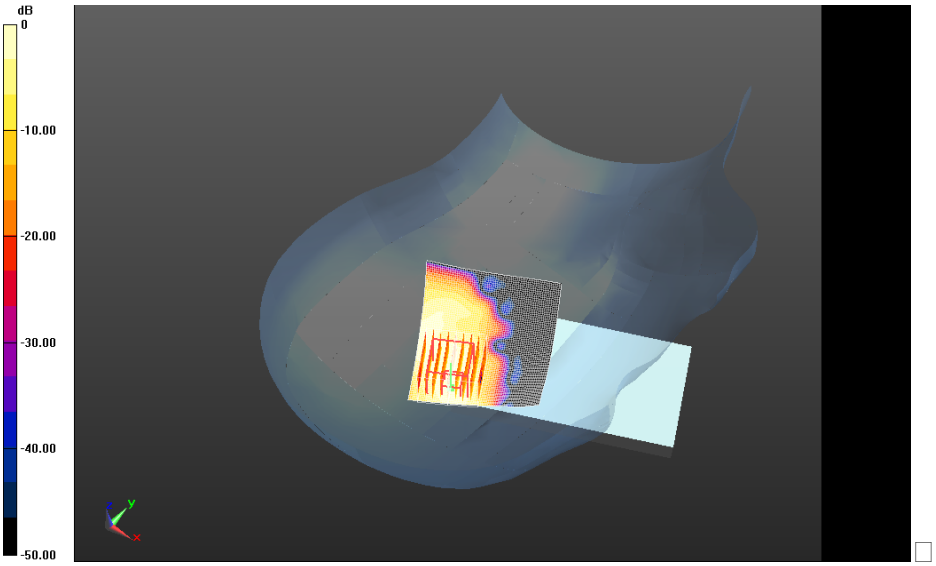
Right-Hand-Side HSL 5500 MHz/Tilt Position - 802.11a_chan104_upper_bandI_amb_temp_23.9C_liq_temp_21.4C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Right-Hand-Side HSL 5500 MHz/Tilt Position - 802.11a_chan104_upper_bandI_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 6.561 V/m; Power Drift = 0.451 dB

Averaged SAR: SAR(1g) = 0.188 W/kg; SAR(10g) = 0.0638 W/kg
Maximum value of SAR (interpolated) = 0.848 W/kg



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

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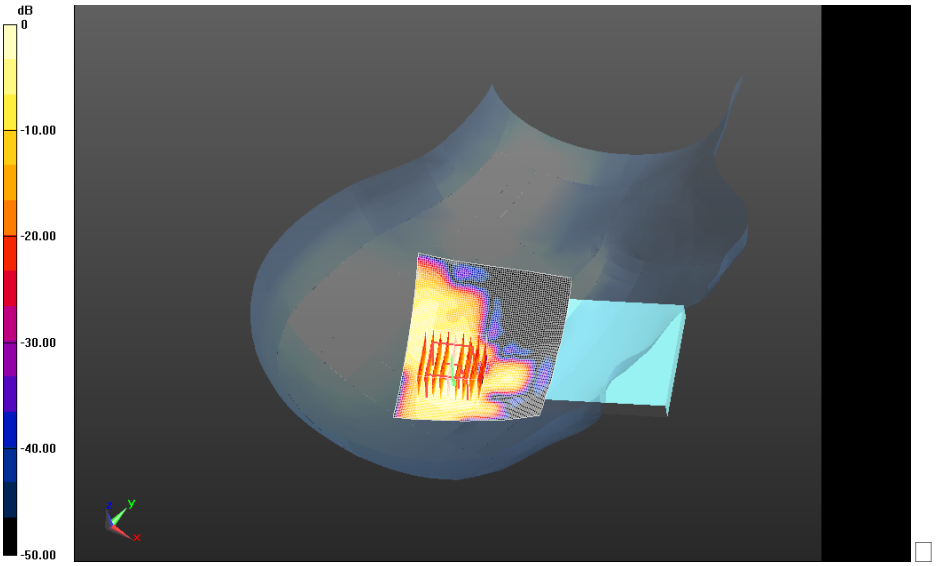
Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_2100mA_batt_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_21.4C/ Area Scan (101x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.538 W/kg

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_2100mA_batt_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_ 21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 9.756 V/m; Power Drift = 0.206 dB

Averaged SAR: SAR(1g) = 0.231 W/kg; SAR(10g) = 0.0695 W/kg
Maximum value of SAR (interpolated) = 0.942 W/kg



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

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Date/Time: 1/11/2013 1:42:53 PM

Test Laboratory: RIM Testing Services

RightHeadSide_802.11a_Chan149

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

Communication System: 802.11a ; Frequency: 5745 MHz
Medium parameters used: f = 5745 MHz; σ = 5.438 S/m; ε_r = 34.861; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.12, 4.12, 4.12); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.331 W/kg

Right-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C 2/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.800 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.035 W/kg
Maximum value of SAR (measured) = 0.213 W/kg

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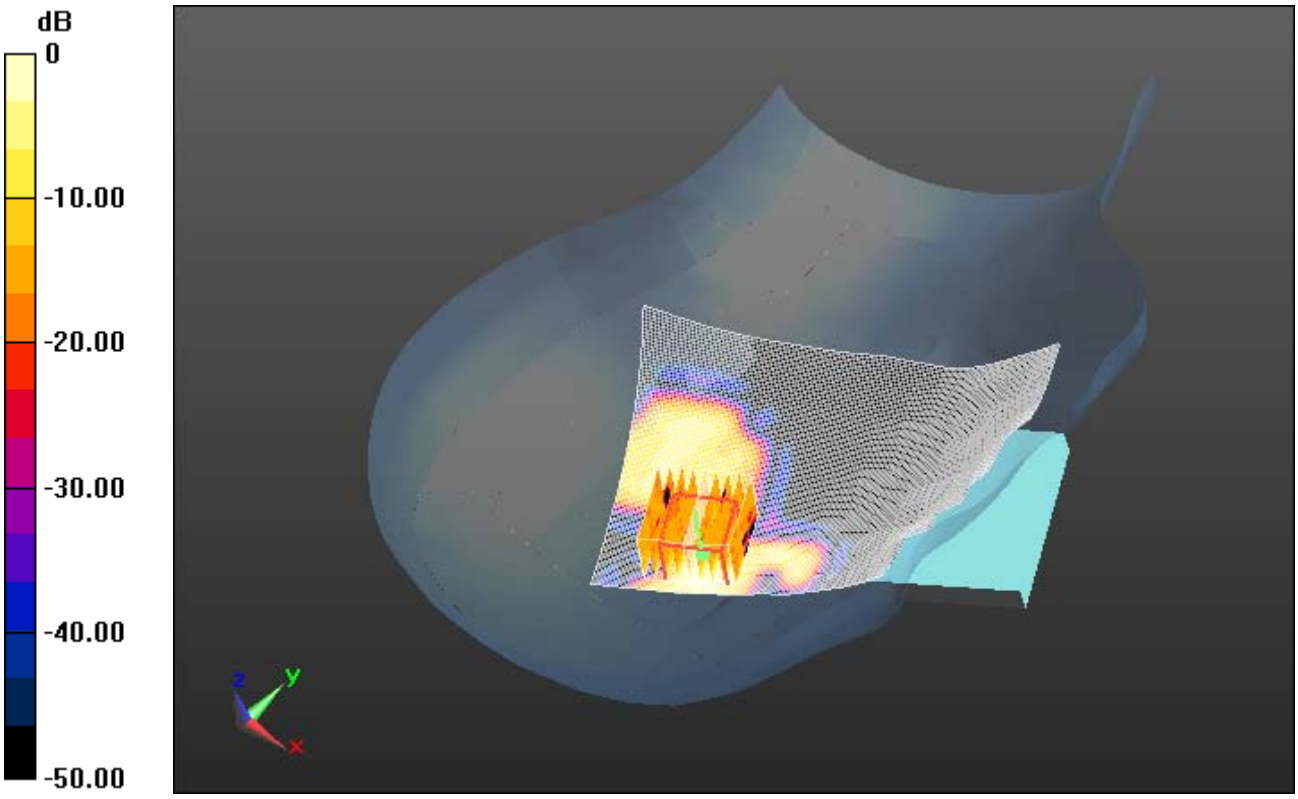

0 dB = 0.213 W/kg = -6.72 dBW/kg

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Date: 1/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Left-Hand-Side HSL 5200 MHz

Communication System: 802.11a ; Communication System Band: 802.11a 48;
Frequency: 5240 MHz
Medium Parameters used: f=5240 MHz; σ = 4.727 S/m; ε_r = 34.212; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.73,4.73,4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan44_low_band_amb_temp_23.4C_liq_temp_21.5C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.227 W/kg

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan44_low_band_amb_temp_23.4C_liq_temp_21.5C/Zoom Scan (36x41x61)/Cube 0: **Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm**
Reference Value = 7.014 V/m; Power Drift = -0.040 dB

Averaged SAR: SAR(1g) = 0.125 W/kg; SAR(10g) = 0.0465 W/kg
Maximum value of SAR (interpolated) = 0.404 W/kg

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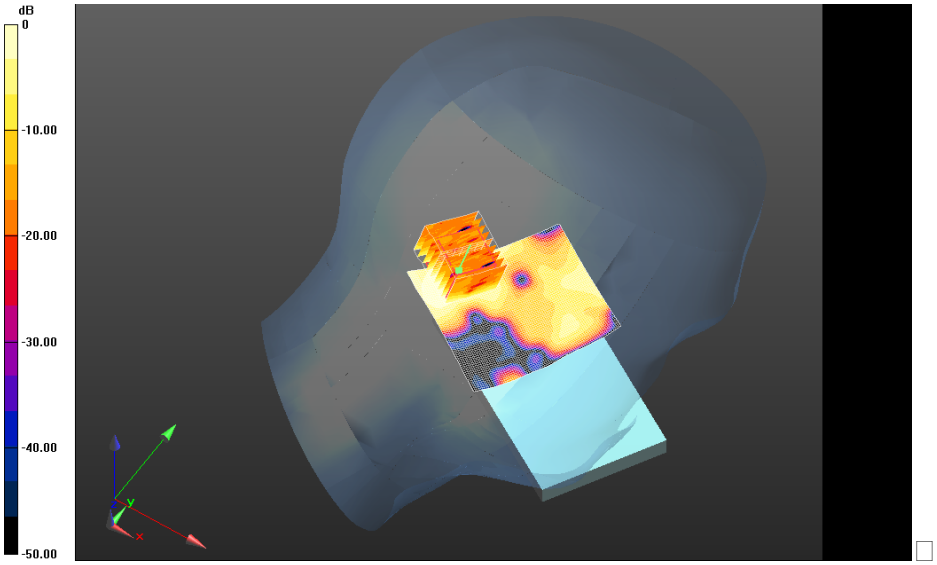

0 dB = 0.230 W/kg = -6.38 dBW/kg

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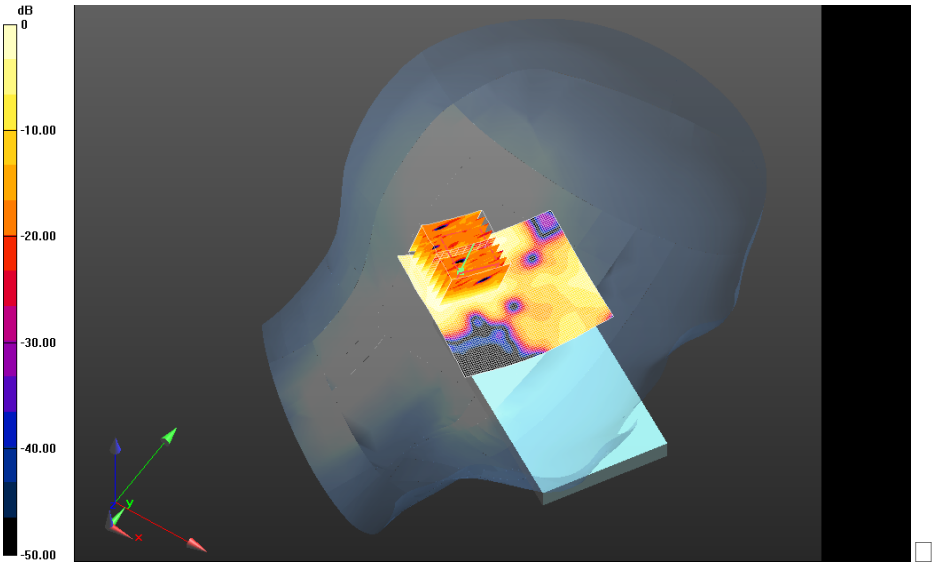
Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_mid_band_amb_temp_23.3C_liq_temp_21.4C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.272 W/kg

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_mid_band_amb_temp_23.3C_liq_temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 7.135 V/m; Power Drift = 0.306 dB

Averaged SAR: SAR(1g) = 0.148 W/kg; SAR(10g) = 0.0550 W/kg
Maximum value of SAR (interpolated) = 0.529 W/kg



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

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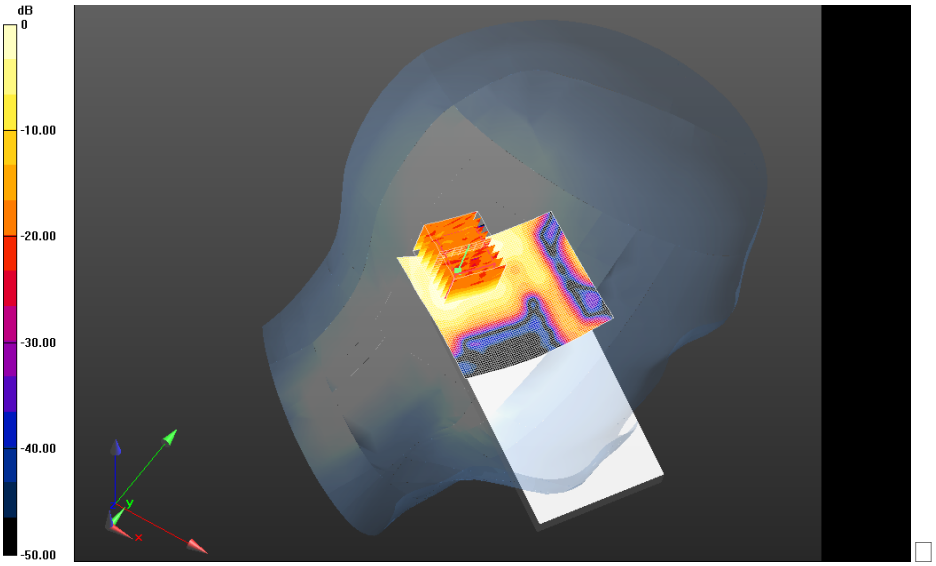
Left-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C 2/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.314 W/kg

Left-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C 2/Zoom Scan (36x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 8.546 V/m; Power Drift = 0.179 dB

Averaged SAR: SAR(1g) = 0.179 W/kg; SAR(10g) = 0.0695 W/kg
Maximum value of SAR (interpolated) = 0.585 W/kg



0 dB = 0.264 W/kg = -5.78 dBW/kg

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Date: 1/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Left-Hand-Side HSL 5500 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.123 S/m; ε_r = 34.126; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.28,4.28,4.28); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_21.3C 2/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.235 W/kg

Left-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.3C_liq_temp_21.3C 2/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 7.174 V/m; Power Drift = -0.060 dB

Averaged SAR: SAR(1g) = 0.116 W/kg; SAR(10g) = 0.0438 W/kg
Maximum value of SAR (interpolated) = 0.397 W/kg

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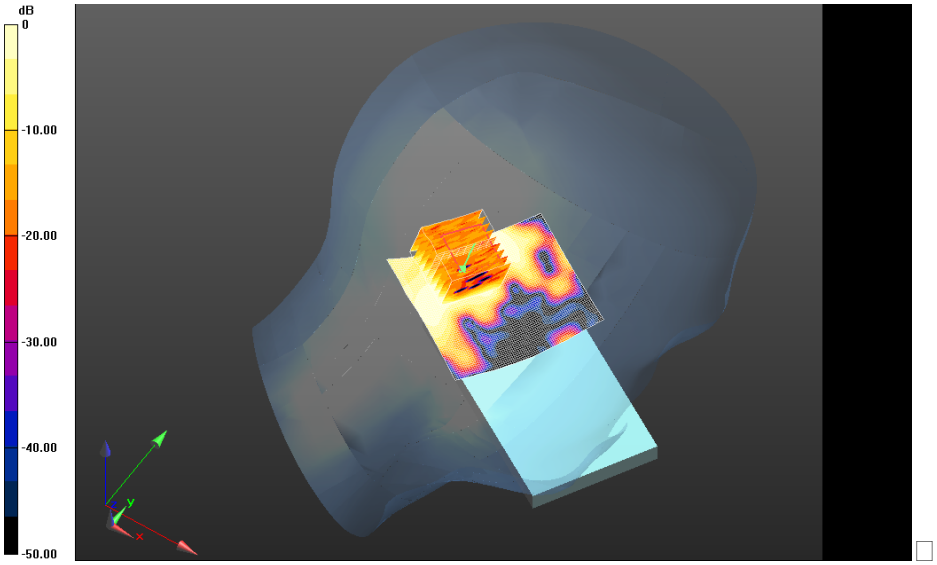

0 dB = 0.224 W/kg = -6.50 dBW/kg

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Date/Time: 1/14/2013 11:32:11 AM

Test Laboratory: RIM Testing Services

LeftHeadSide_802.11a_Chan149

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

Communication System: 802.11a ; Frequency: 5745 MHz
Medium parameters used: f = 5745 MHz; σ = 5.438 S/m; ε_r = 34.861; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.12, 4.12, 4.12); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Left-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.7C_liq_temp_23C/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.204 W/kg

Left-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C 2/Zoom Scan (11x15x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.311 V/m; Power Drift = 1.03 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0907 W/kg

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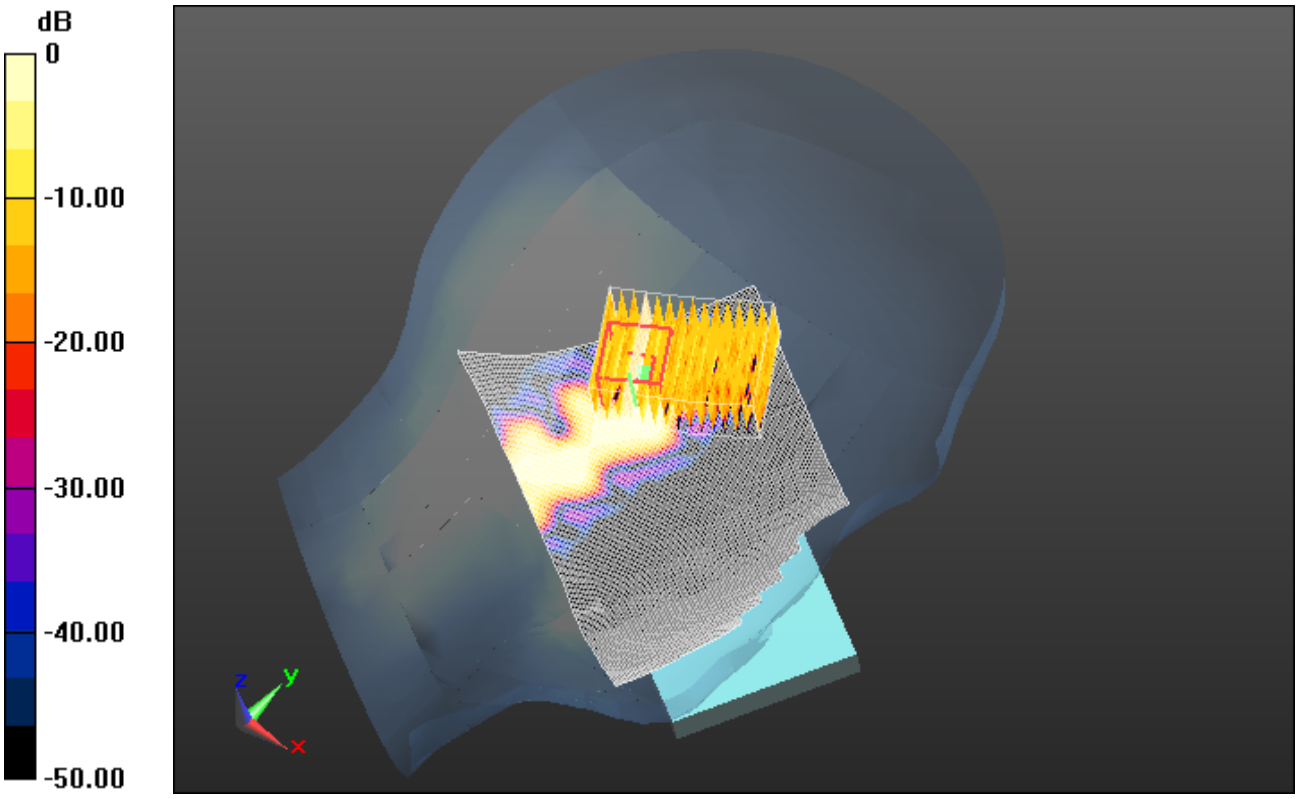

0 dB = 0.0907 W/kg = -10.42 dBW/kg

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Date/Time: 2/27/2013 2:52:04 PM

Test Laboratory: RIM Testing Services

Head_SAR_802.11a_Rev3_02

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0AD9

Communication System: 802.11a ; Frequency: 5520 MHz
Medium parameters used: f = 5520 MHz; σ = 5.123 S/m; ε_r = 34.126; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.28, 4.28, 4.28); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.132 W/kg

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.619 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0753 W/kg

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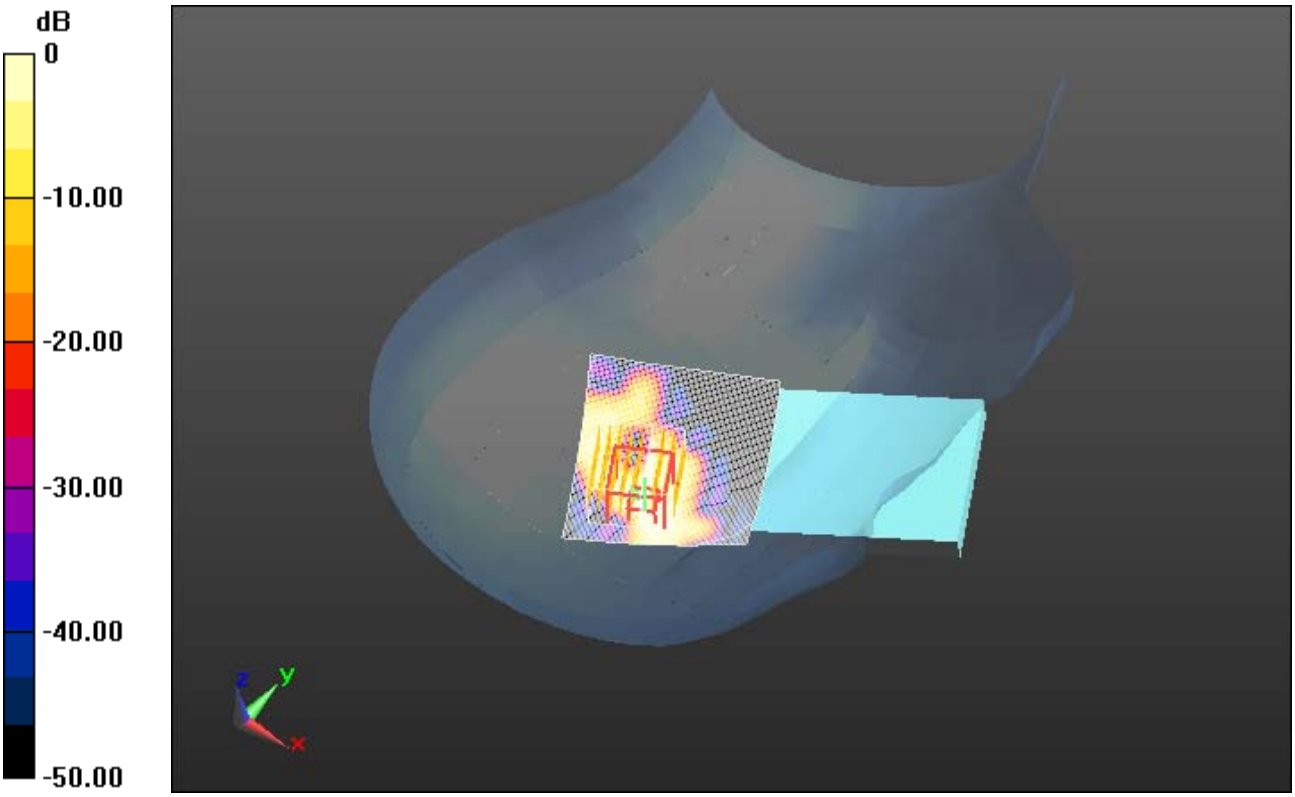

0 dB = 0.0753 W/kg = -11.23 dBW/kg

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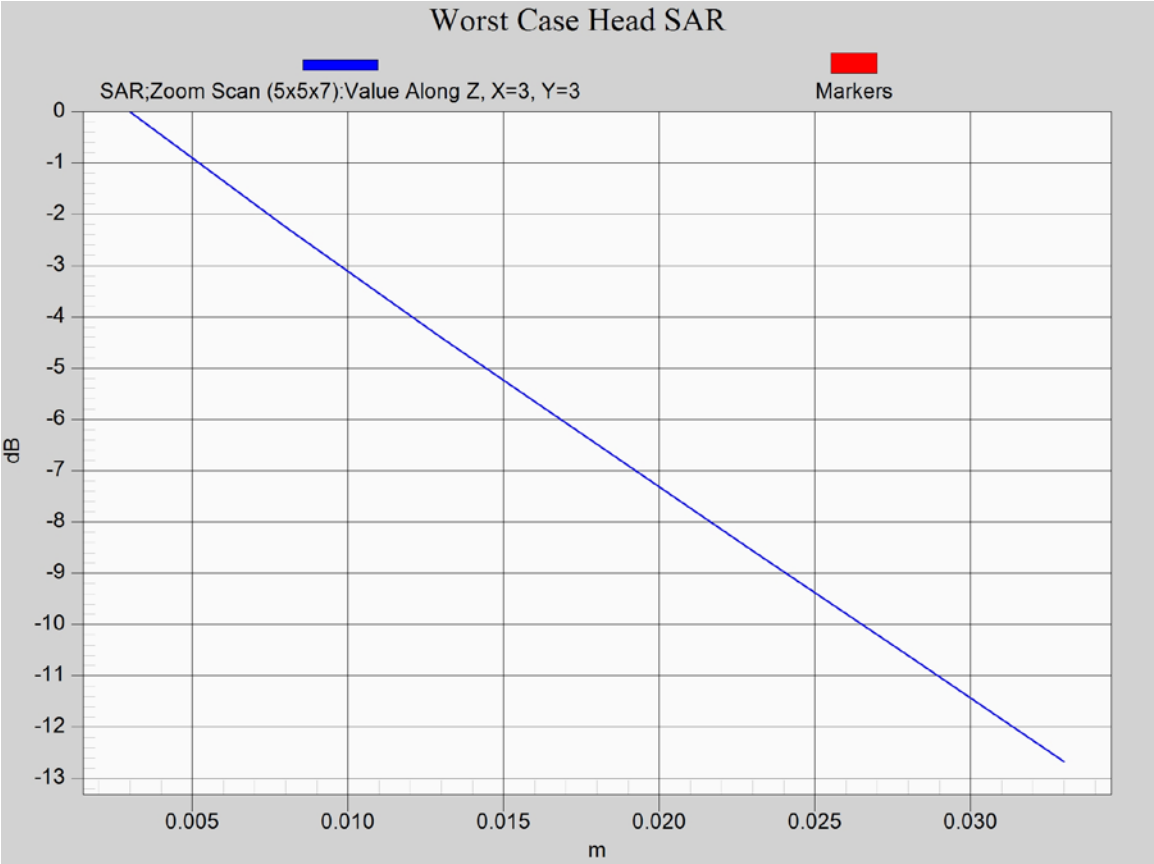
Z axis plot for the worst case head configuration



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