APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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Date/Time: 6/6/2011 9:57:53 PM, Date/Time: 6/6/2011 10:06:09 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_4_Slots_mid_chan_amb_temp_23.2_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (4 slots); Communication System Band: EDGE (4 slots); Frequency: 836.8 MHz;Communication System PAR: 3.222 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.839 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.901 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.008 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.586 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.858 mW/g

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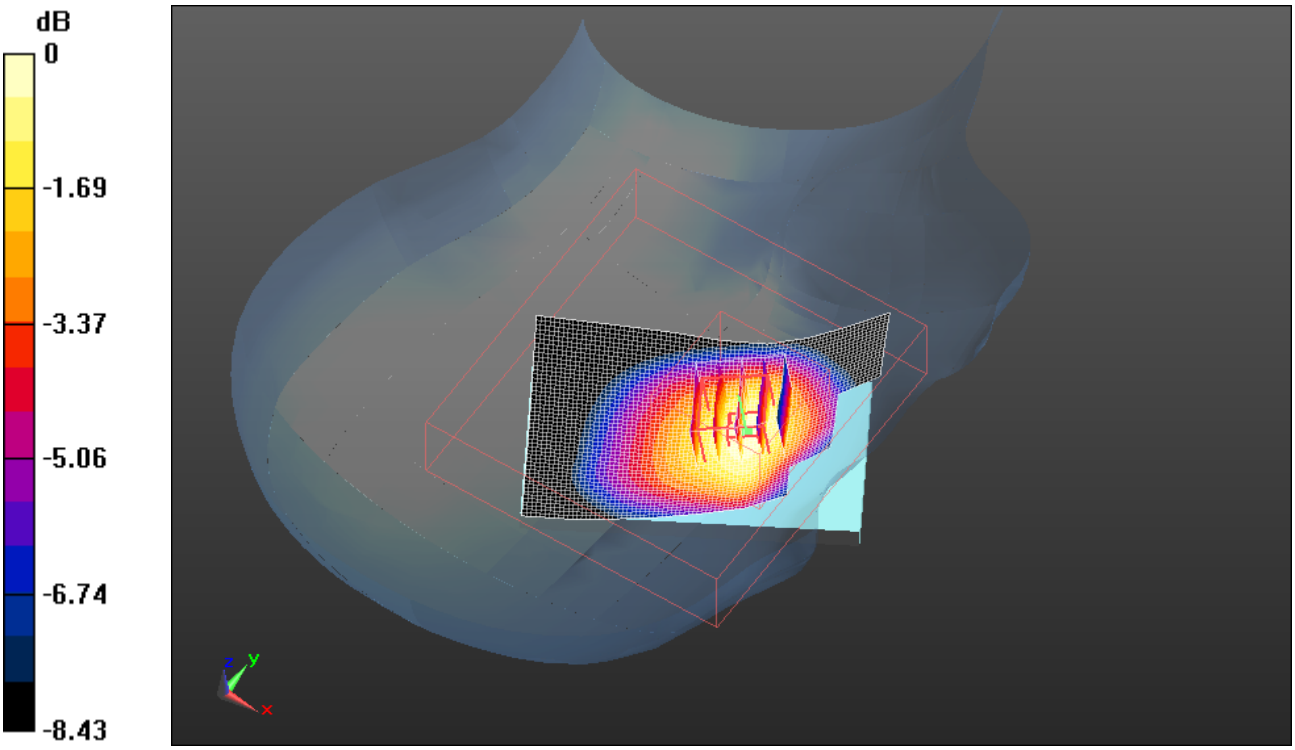

0 dB = 0.860mW/g

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Date/Time: 6/6/2011 9:36:17 PM, Date/Time: 6/6/2011 9:42:20 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_3_Slots_mid_chan_amb_temp_23.1_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (3 slots); Communication System Band: EDGE 850 (3 slots); Frequency: 836.8 MHz;Communication System PAR: 4.472 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.846 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.639 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 0.982 W/kg
SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.537 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.816 mW/g

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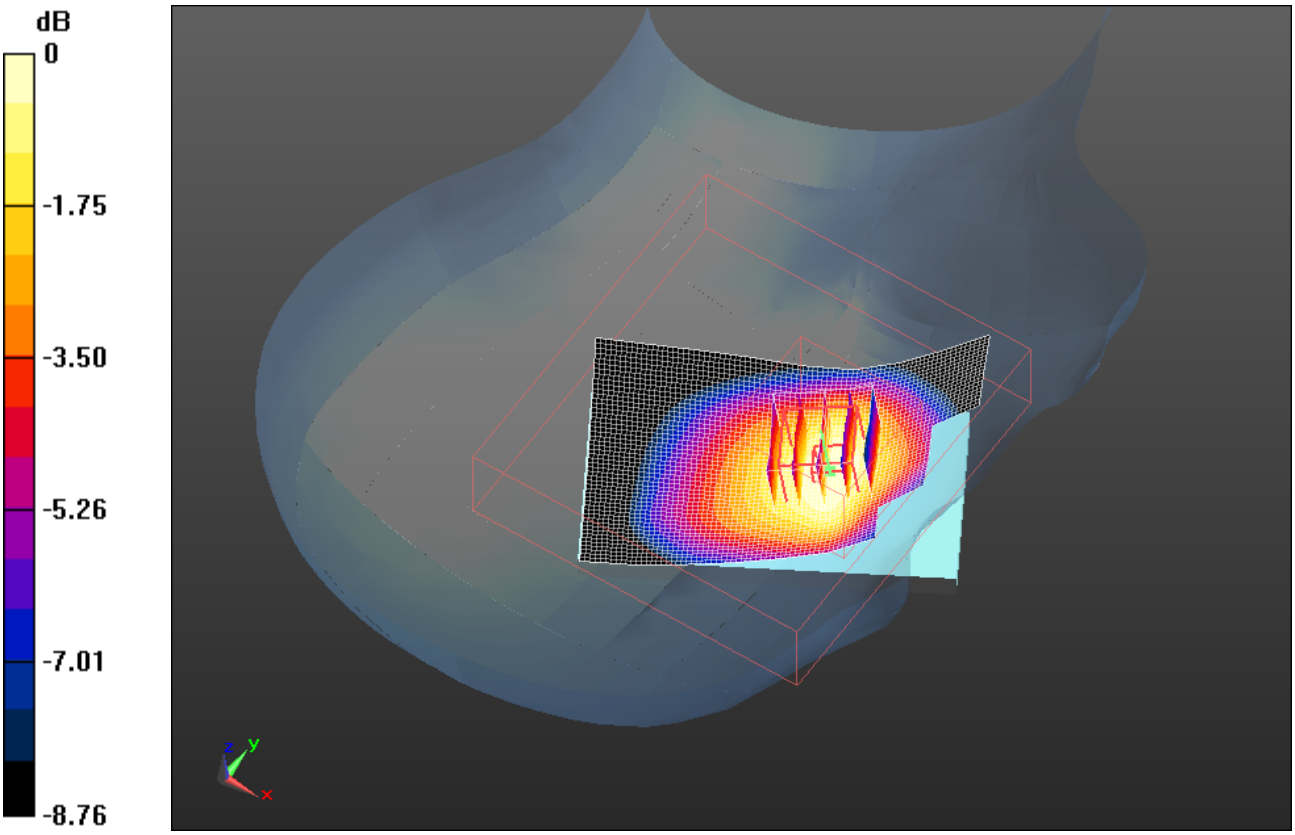

0 dB = 0.820mW/g

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Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_low_chan_amb_temp_23.4_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850;
Frequency: 824.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.299; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.930 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.133 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.046 W/kg
SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.597 mW/g
Maximum value of SAR (measured) = 0.886 mW/g

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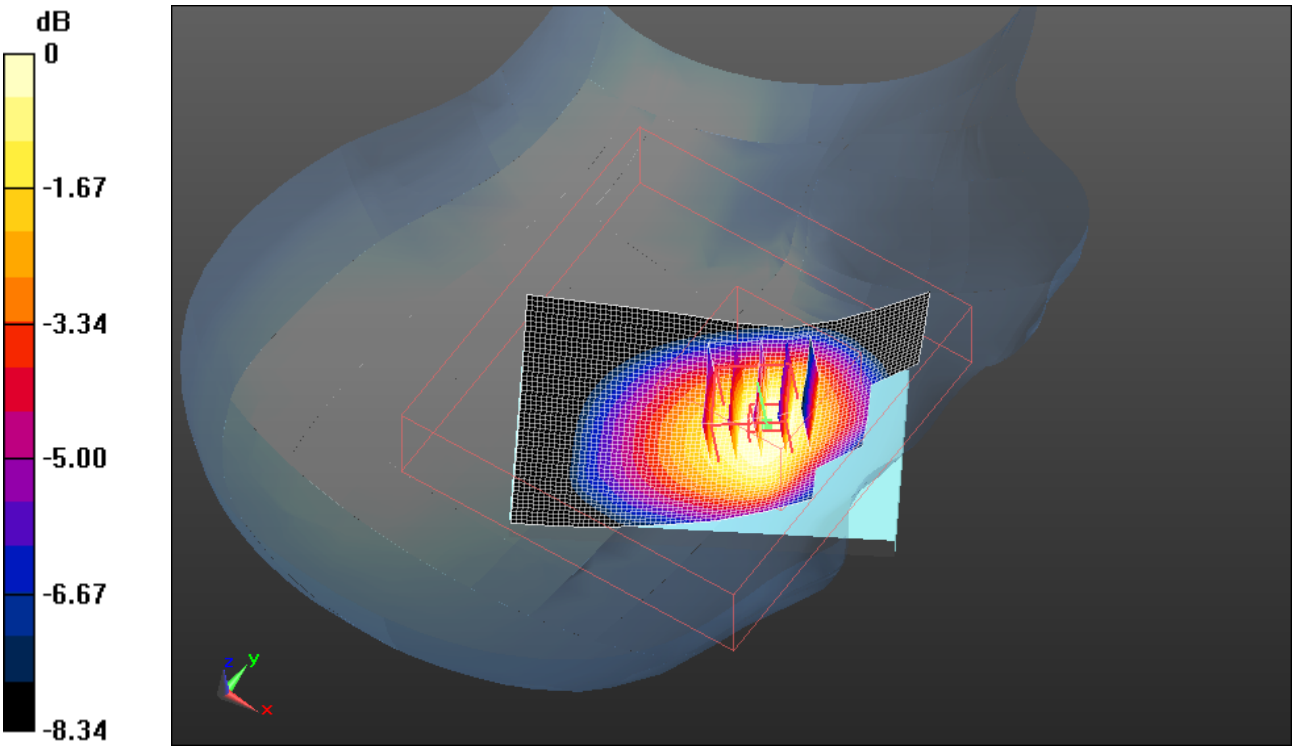

0 dB = 0.890mW/g

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Date/Time: 6/6/2011 7:21:43 PM, Date/Time: 6/6/2011 7:26:52 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_23.4_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.951 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.301 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 1.061 W/kg
SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.609 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.880 mW/g

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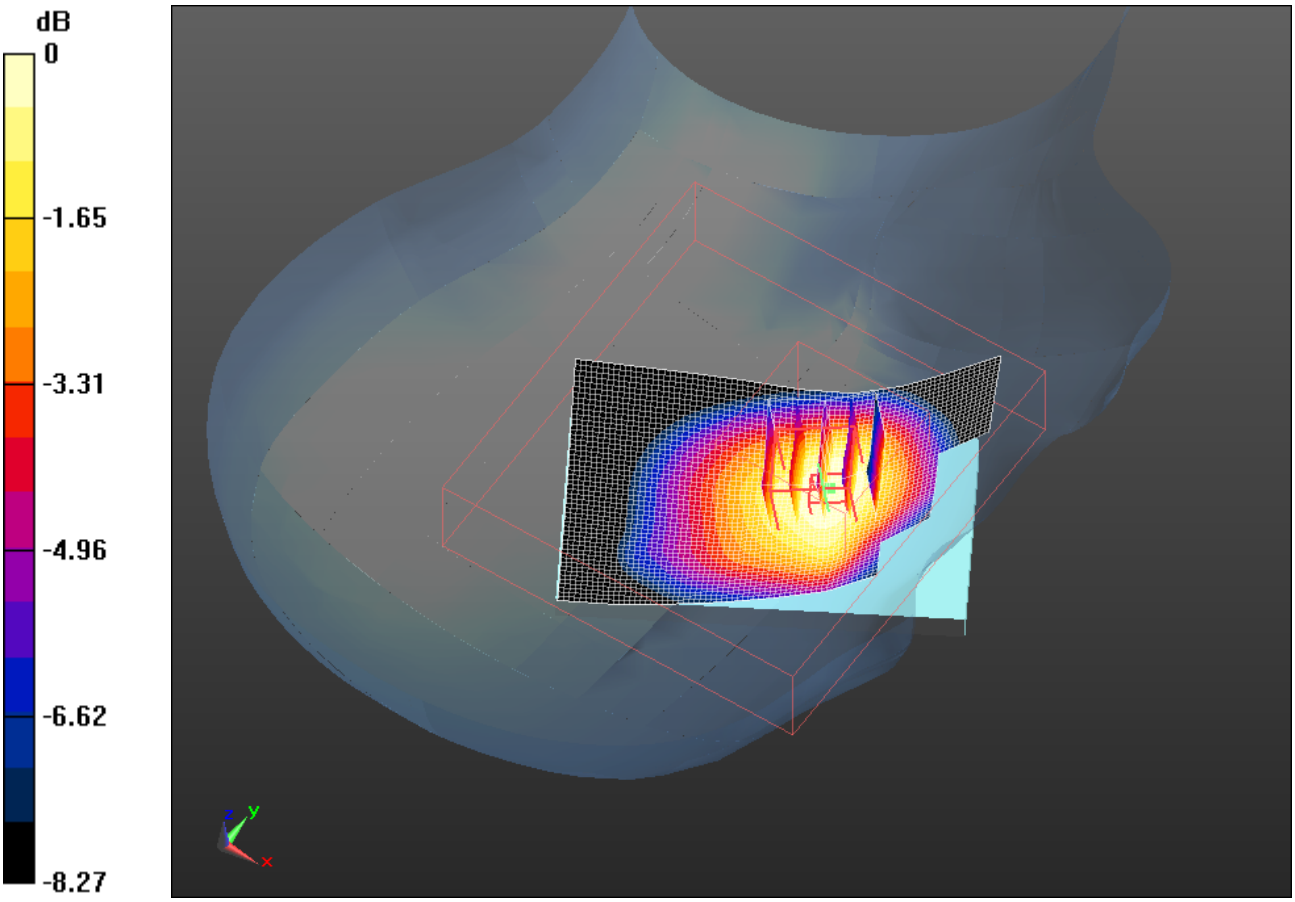

0 dB = 0.880mW/g

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Date/Time: 6/6/2011 7:33:30 PM, Date/Time: 6/6/2011 7:38:40 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_high_chan_amb_temp_23.4_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.906 mho/m; ε_r = 39.971; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.651 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.361 V/m; Power Drift = -0.0043 dB
Peak SAR (extrapolated) = 0.730 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.422 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.620 mW/g

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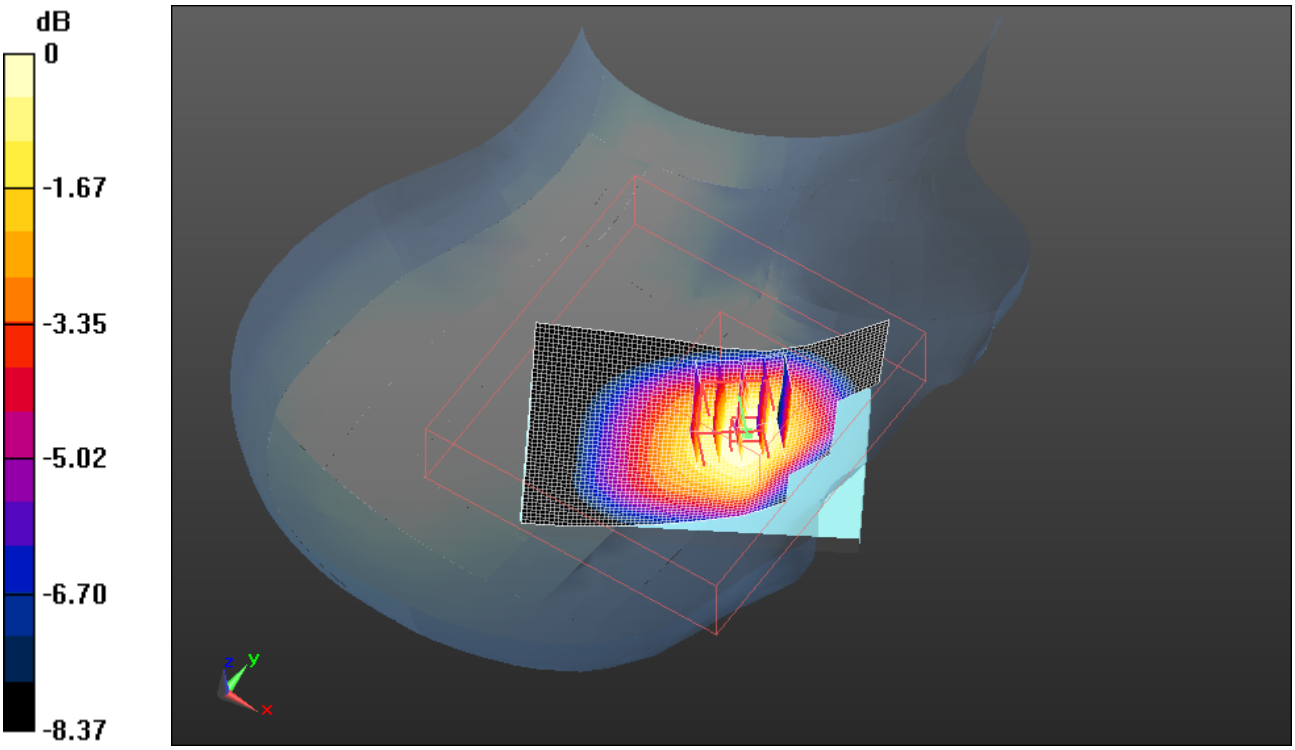

0 dB = 0.620mW/g

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Date/Time: 6/6/2011 10:14:27 PM, Date/Time: 6/6/2011 10:19:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_23.2_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: GSM 850; Communication System Band: GSM 850;
Frequency: 836.8 MHz;Communication System PAR: 9.191 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.596 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.981 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.402 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.593 mW/g

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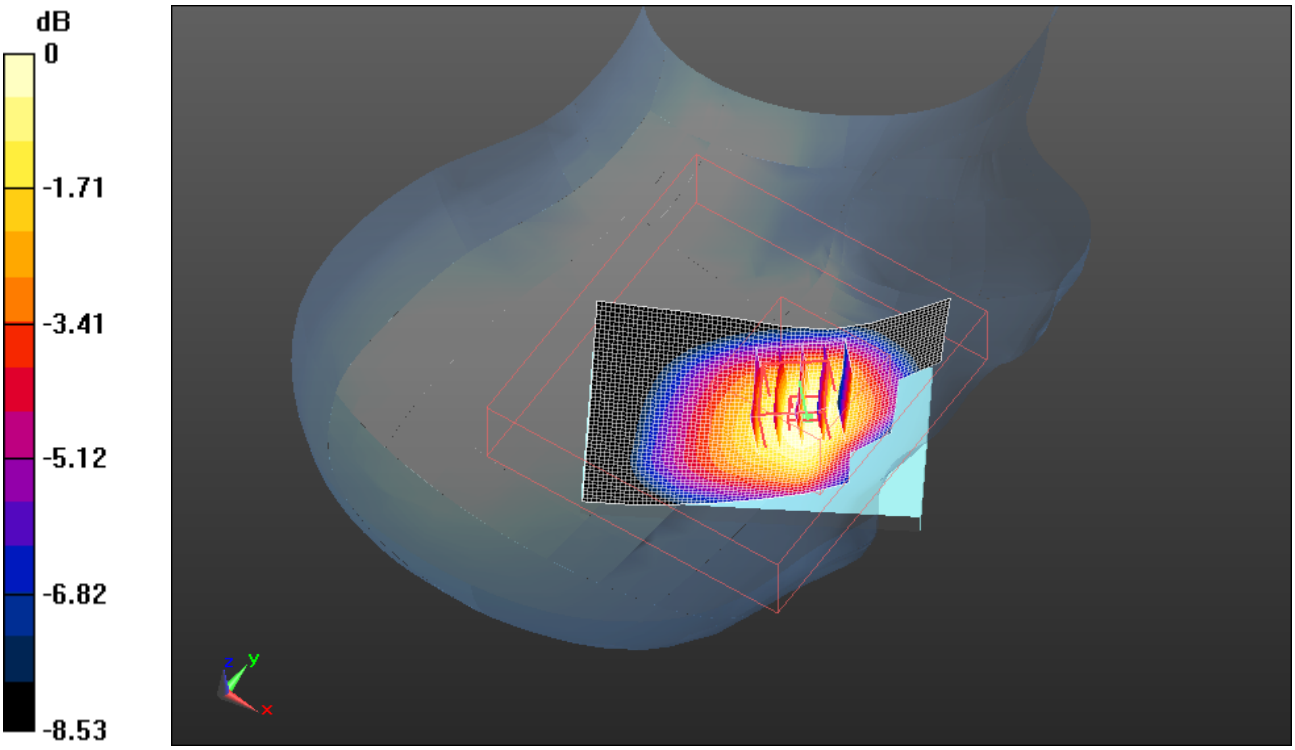

0 dB = 0.590mW/g

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Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.567 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.769 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.404 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.555 mW/g

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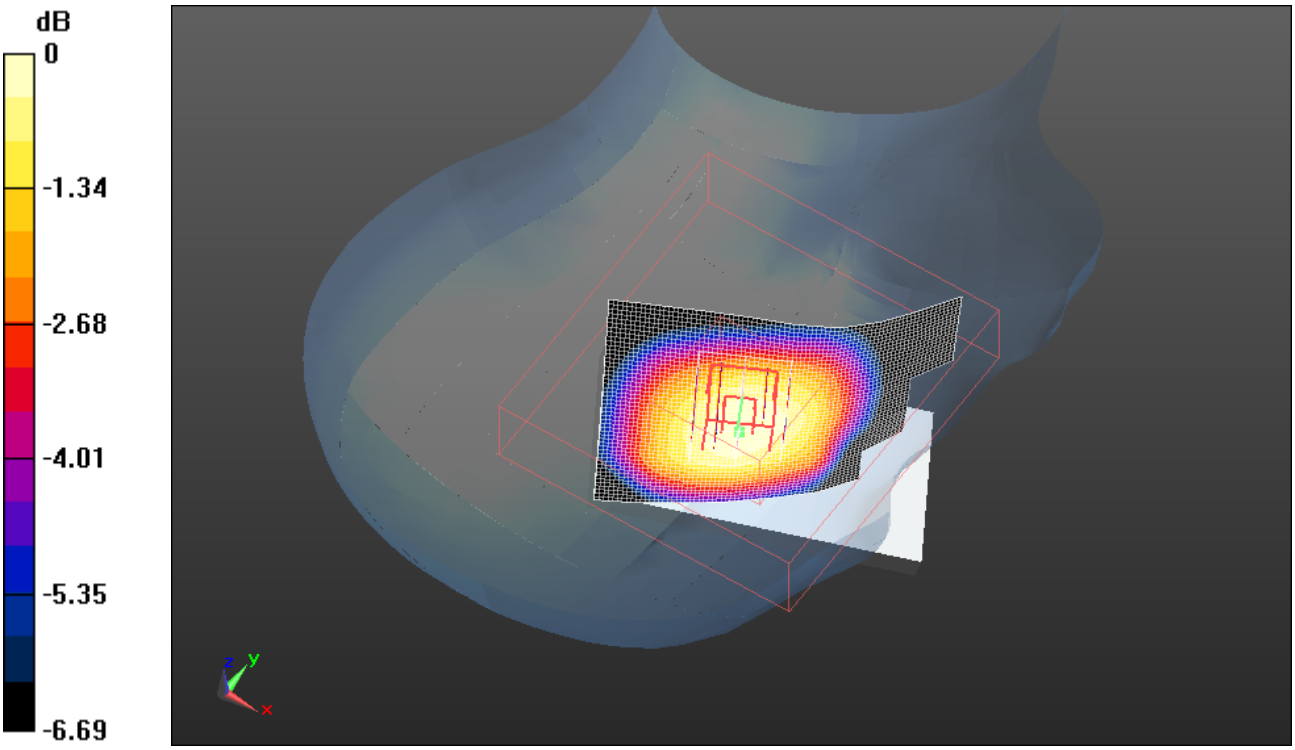

0 dB = 0.560mW/g

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Date/Time: 6/6/2011 8:08:29 PM, Date/Time: 6/6/2011 8:13:34 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_low_chan_amb_temp_23.4_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850;
Frequency: 824.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.299; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.918 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.793 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.154 W/kg
SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.556 mW/g
Maximum value of SAR (measured) = 0.852 mW/g

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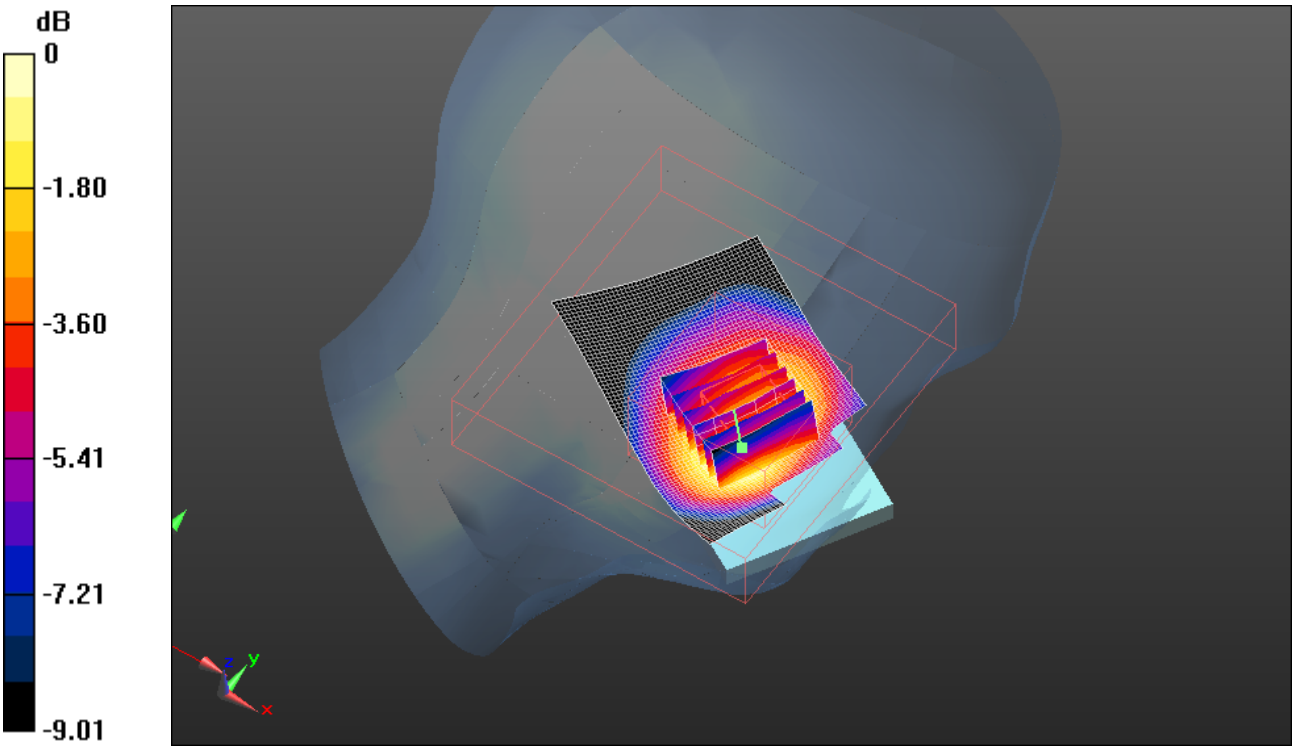

0 dB = 0.850mW/g

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Date/Time: 6/6/2011 8:22:07 PM, Date/Time: 6/6/2011 8:28:36 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_mid_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.809 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.267 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.011 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.509 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.791 mW/g

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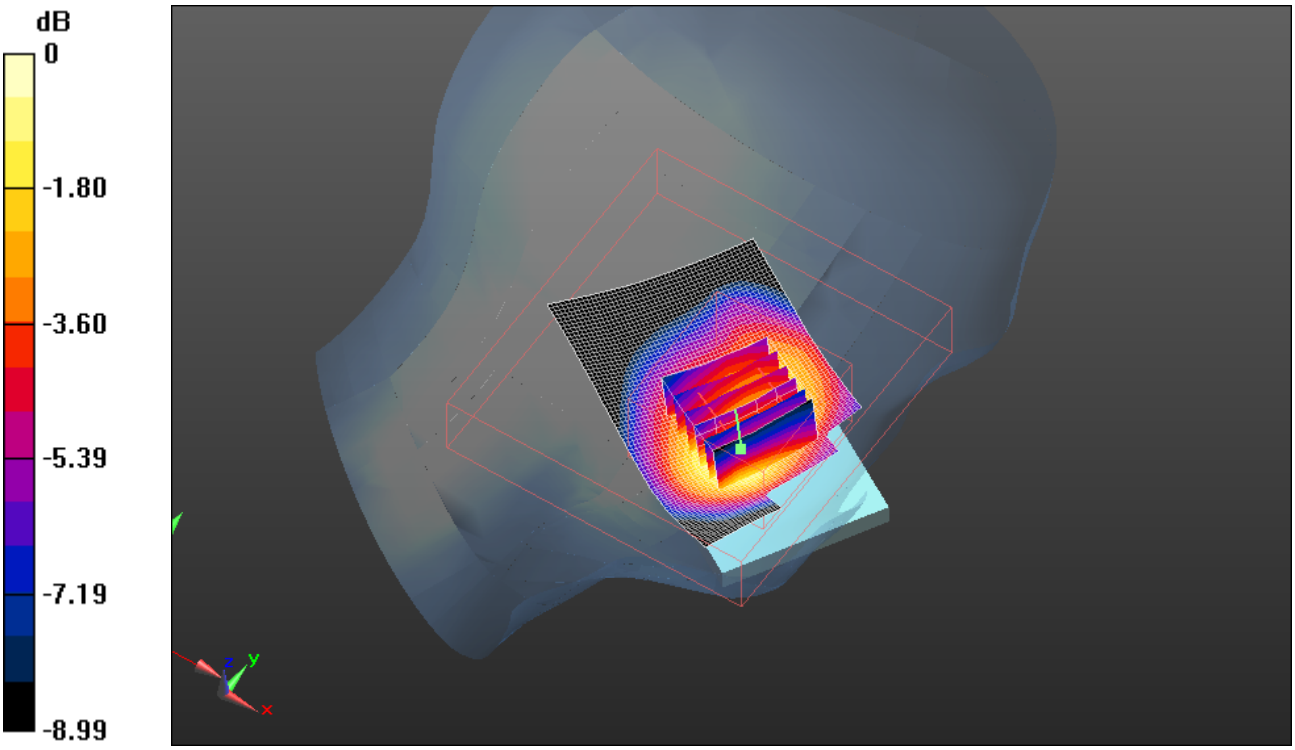

0 dB = 0.790mW/g

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Date/Time: 6/6/2011 8:37:51 PM, Date/Time: 6/6/2011 8:42:55 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_high_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.906 mho/m; ε_r = 39.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.561 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.066 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.730 W/kg
SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.359 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.548 mW/g

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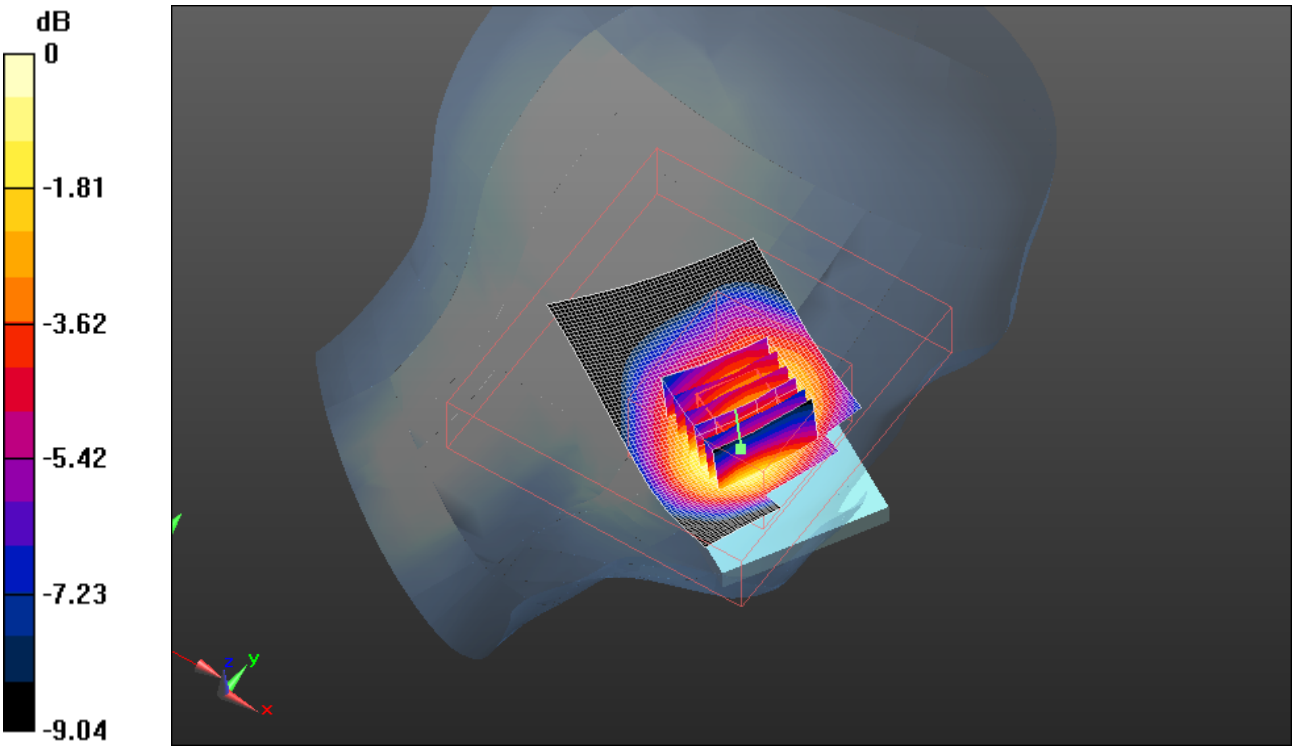

0 dB = 0.550mW/g

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Date/Time: 6/6/2011 8:56:54 PM, Date/Time: 6/6/2011 9:01:58 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.3_liq_temp_22.2 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.896 mho/m; ε_r = 40.137; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.589 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.994 V/m; Power Drift = 0.27 dB
Peak SAR (extrapolated) = 0.659 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.402 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.561 mW/g

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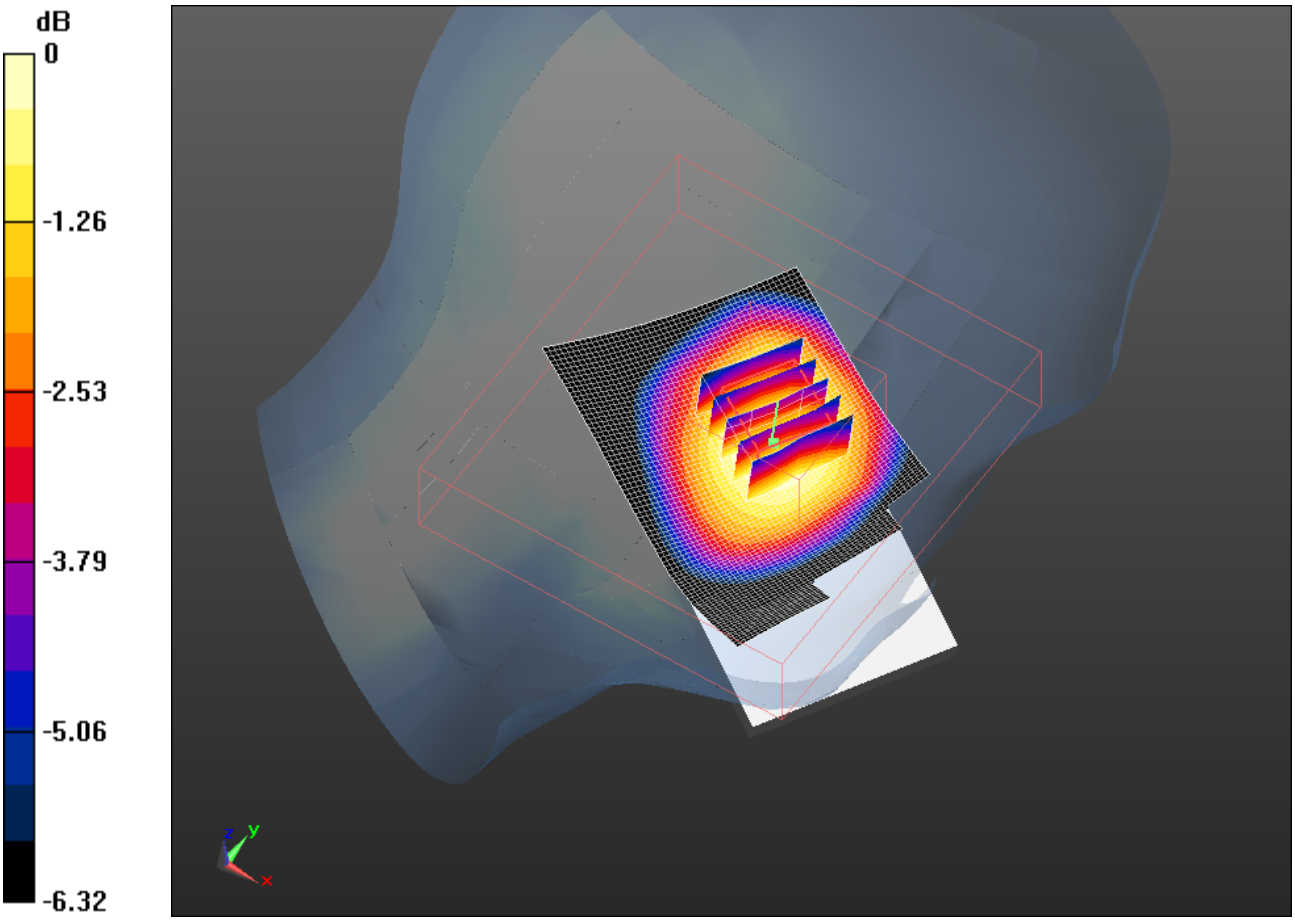

0 dB = 0.560mW/g

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Date/Time: 5/3/2011 3:50:09 PM, Date/Time: 5/3/2011 3:55:29 PM, Date/Time: 5/3/2011 4:14:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1850.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.304 mho/m; ε_r = 38.282; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.940 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.479 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.287 W/kg
SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.517 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.910 mW/g

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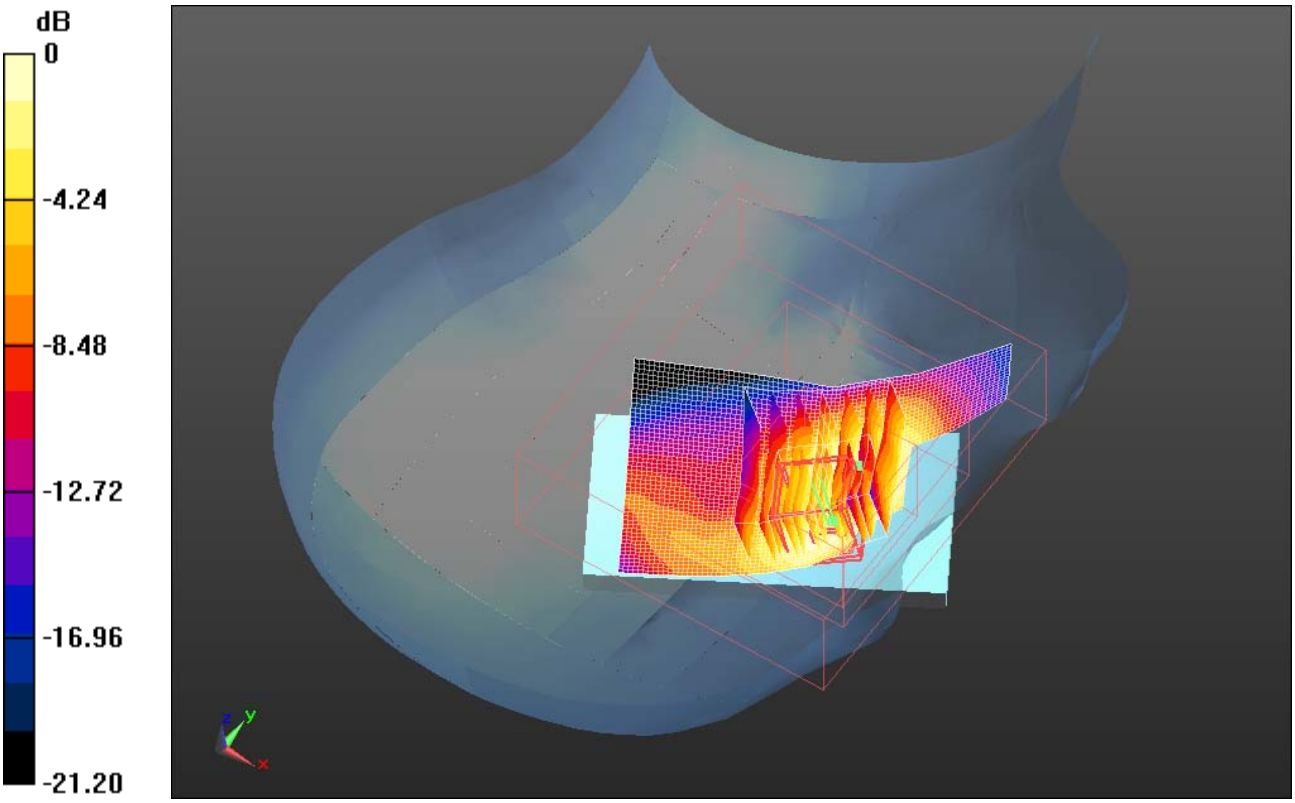
Configuration/Touch position -/Zoom Scan (5x5x7) 2 (8x7x5)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.479 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.306 W/kg
SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.522 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.878 mW/g



0 dB = 0.880mW/g

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Date/Time: 5/3/2011 3:18:20 PM, Date/Time: 5/3/2011 3:29:22 PM, Date/Time: 5/3/2011 3:36:45 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_23.1_liq_temp_22.1 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.335 mho/m; ε_r = 38.14; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.853 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.693 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 1.282 W/kg
SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.488 mW/g
Maximum value of SAR (measured) = 0.831 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (8x7x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.693 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 1.190 W/kg

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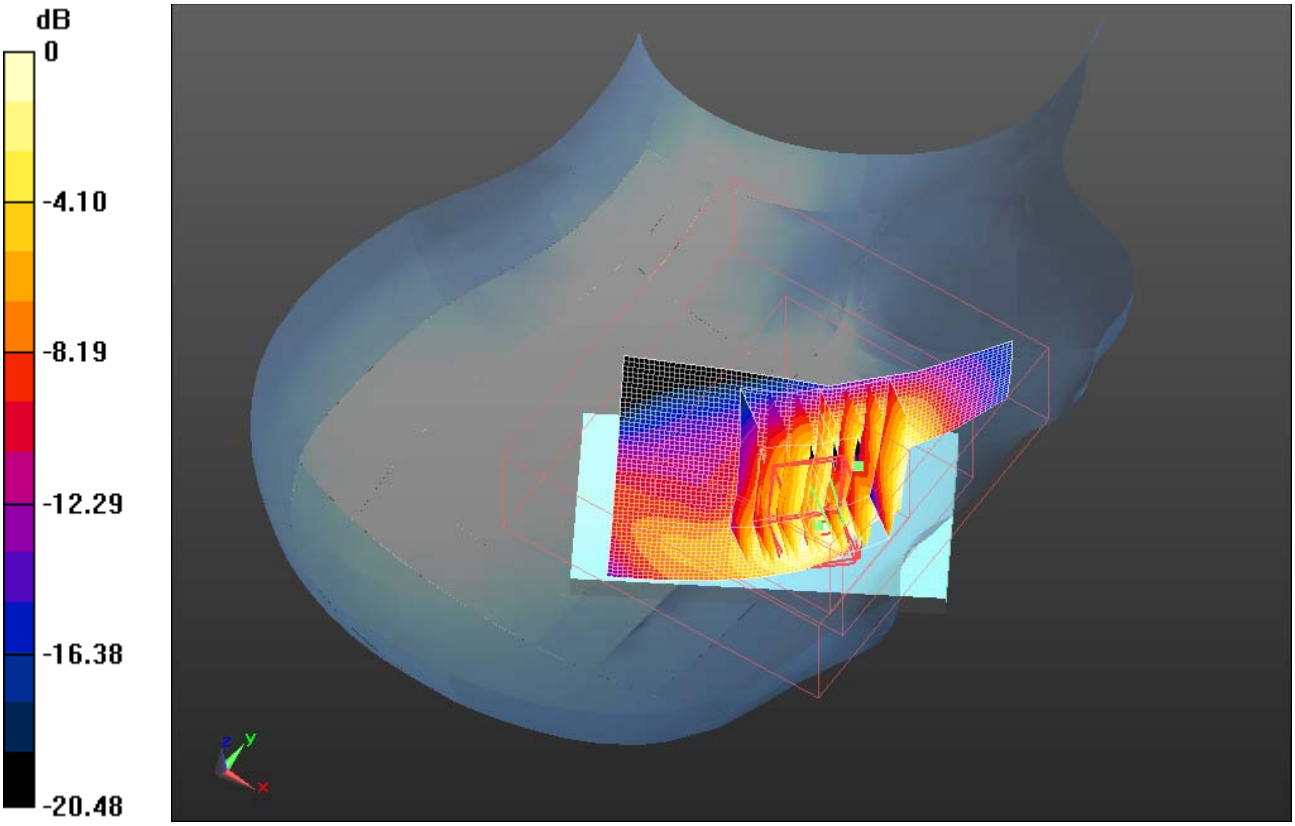
SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.488 mW/g
Maximum value of SAR (measured) = 0.854 mW/g



0 dB = 0.850mW/g

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Date/Time: 5/3/2011 4:27:46 PM, Date/Time: 5/3/2011 4:33:05 PM, Date/Time: 5/3/2011 4:38:20 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.3_liq_temp_22.3 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.364 mho/m; ε_r = 38.041; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.759 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.331 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.129 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.440 mW/g
Maximum value of SAR (measured) = 0.751 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (7x7x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.331 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.088 W/kg

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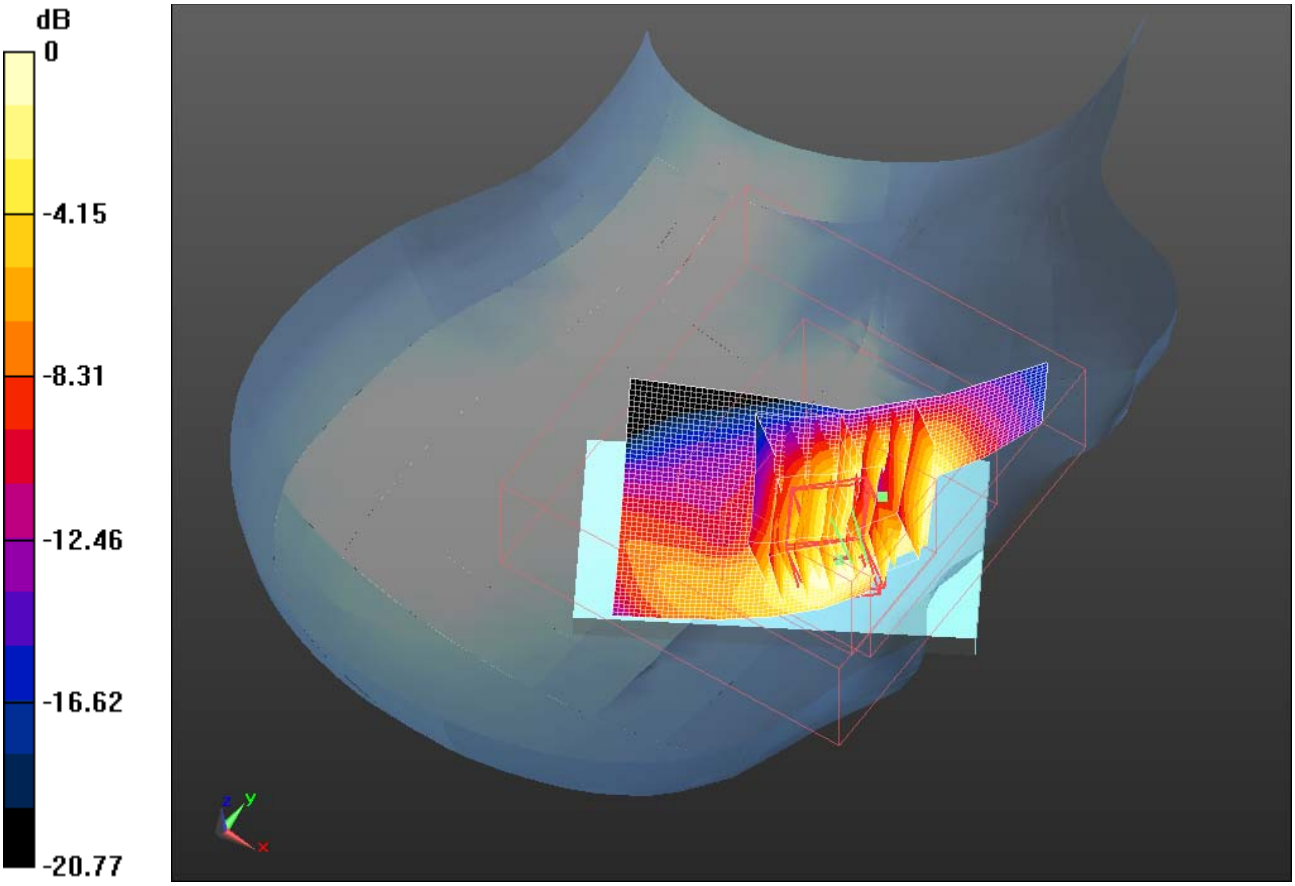
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.440 mW/g
Maximum value of SAR (measured) = 0.771 mW/g



0 dB = 0.770mW/g

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Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.335 mho/m; ε_r = 38.14; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.320 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.333 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.296 mW/g

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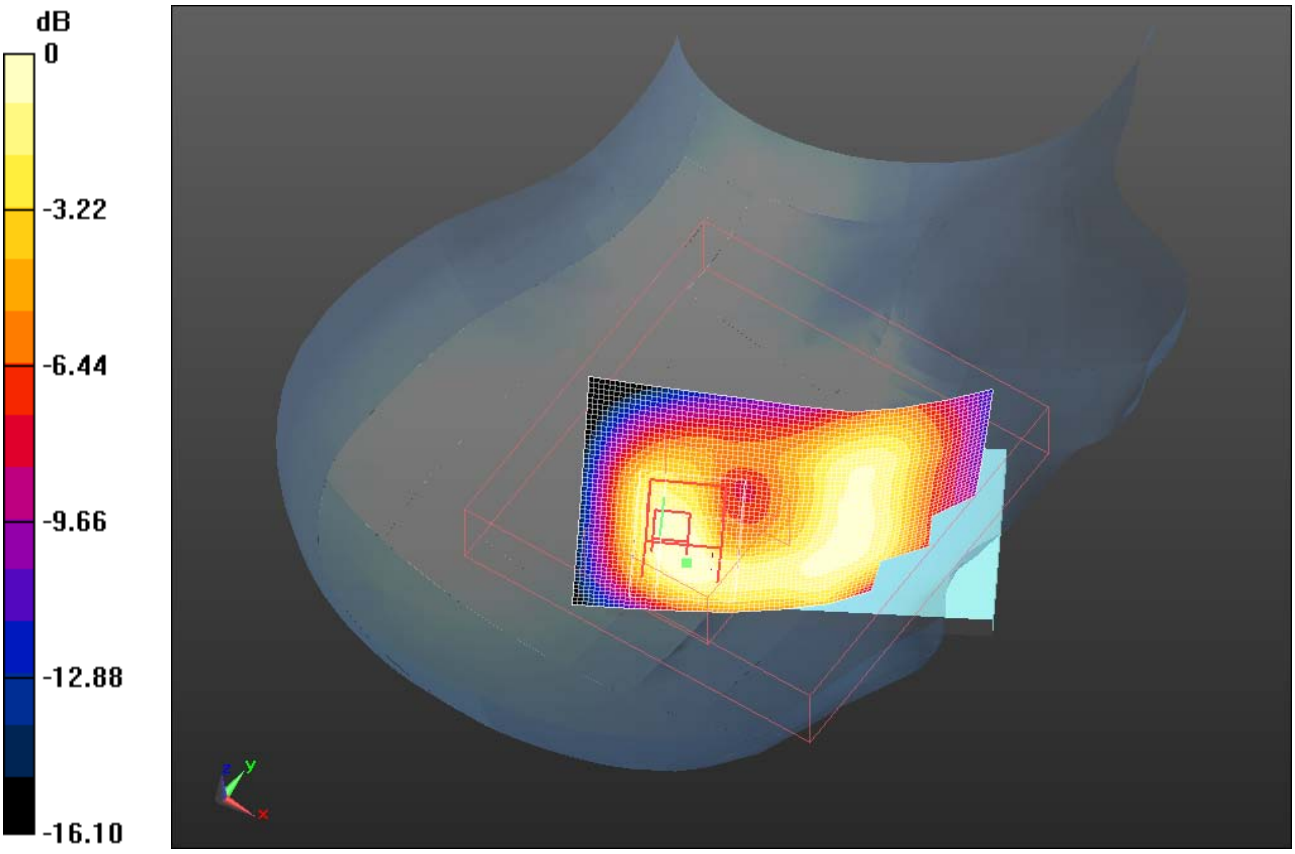

0 dB = 0.300mW/g

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Date/Time: 6/11/2011 9:36:35 AM, Date/Time: 6/11/2011 9:49:12 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_4_Slots_low_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: EDGE 1900(4 slots); Communication System Band: EDGE 1900 (4slots); Frequency: 1850.2 MHz;Communication System PAR: 3.222 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.293 mho/m; ε_r = 38.24; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.016 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.133 V/m; Power Drift = 0.69 dB
Peak SAR (extrapolated) = 1.865 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.718 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.298 mW/g

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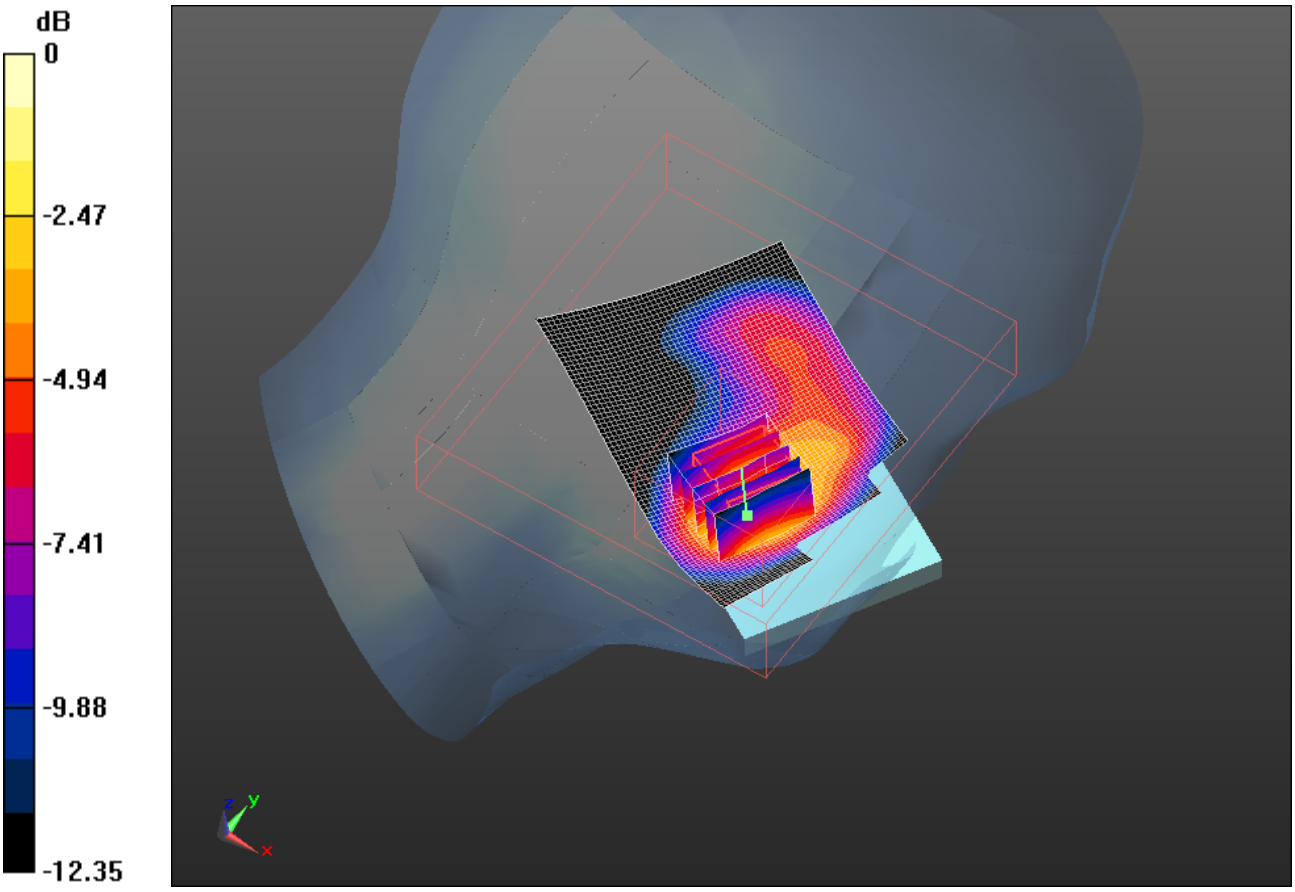

0 dB = 1.300mW/g

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Date/Time: 5/4/2011 9:53:11 AM, Date/Time: 5/4/2011 9:58:15 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_3_Slots_low_chan_amb_temp_23.0_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900(3 slots); Frequency: 1850.2 MHz;Communication System PAR: 4.472 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.304 mho/m; ε_r = 38.282; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.185 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.310 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 1.709 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.624 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.221 mW/g

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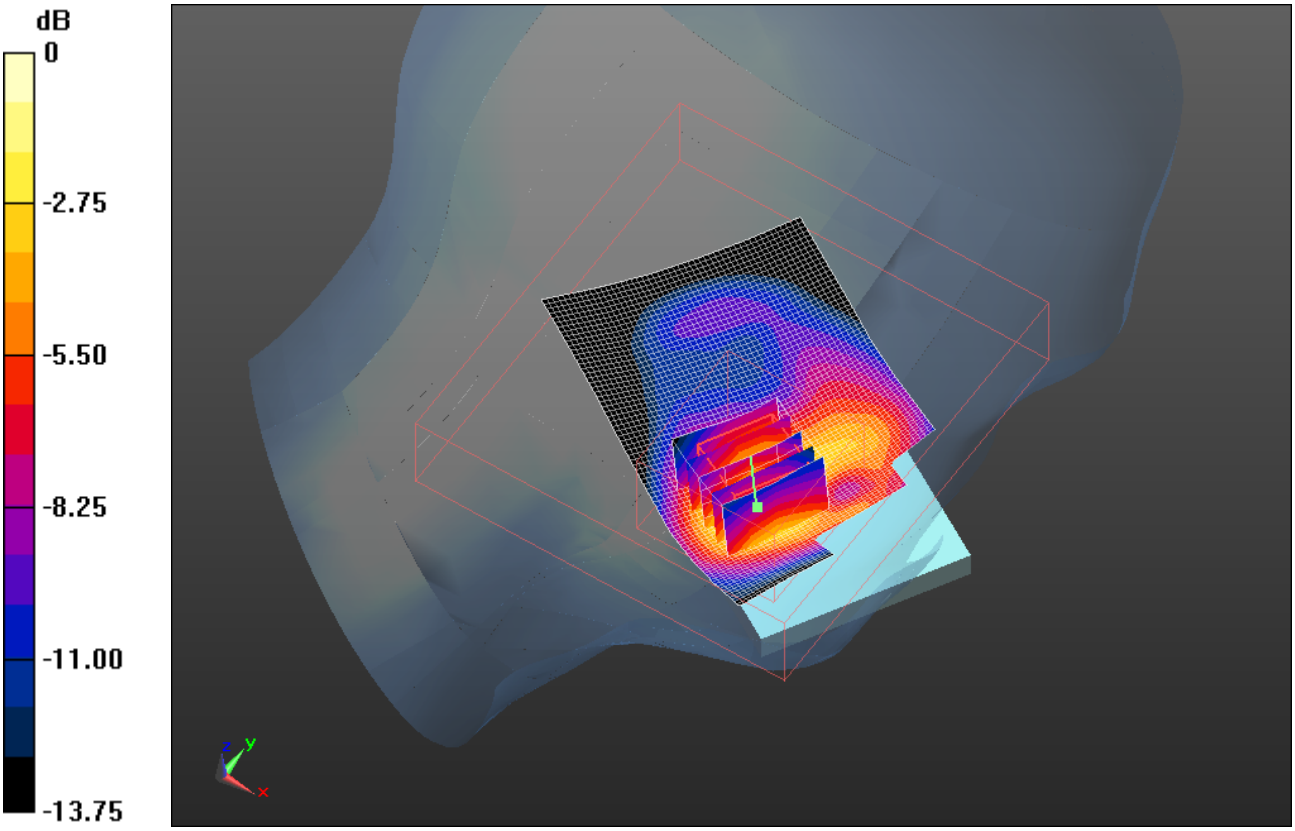

0 dB = 1.220mW/g

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Date/Time: 5/3/2011 5:20:21 PM, Date/Time: 5/3/2011 5:25:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_low_chan_amb_temp_23.3_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1850.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.304 mho/m; ε_r = 38.282; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.299 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.801 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 1.885 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.674 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.310 mW/g

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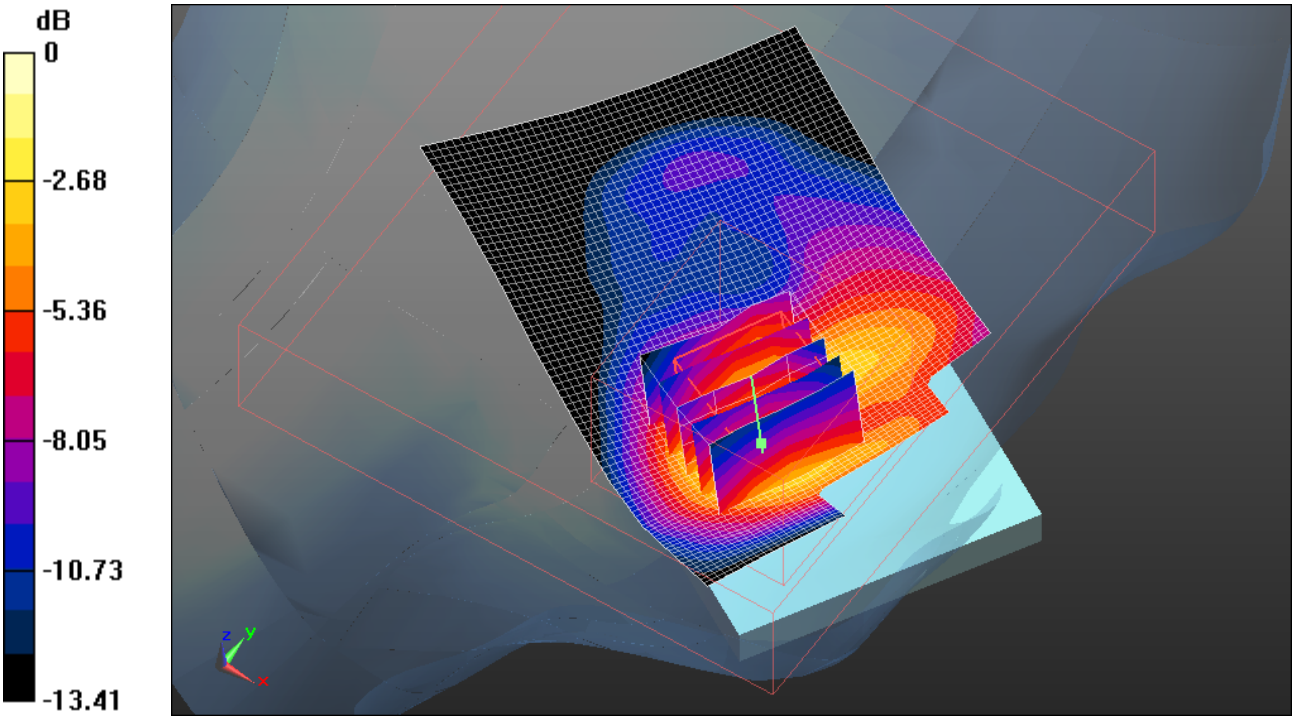

0 dB = 1.310mW/g

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Date/Time: 5/3/2011 5:08:23 PM, Date/Time: 5/3/2011 5:13:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_23.2_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.335 mho/m; ε_r = 38.14; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.235 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.799 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.802 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.636 mW/g
Maximum value of SAR (measured) = 1.257 mW/g

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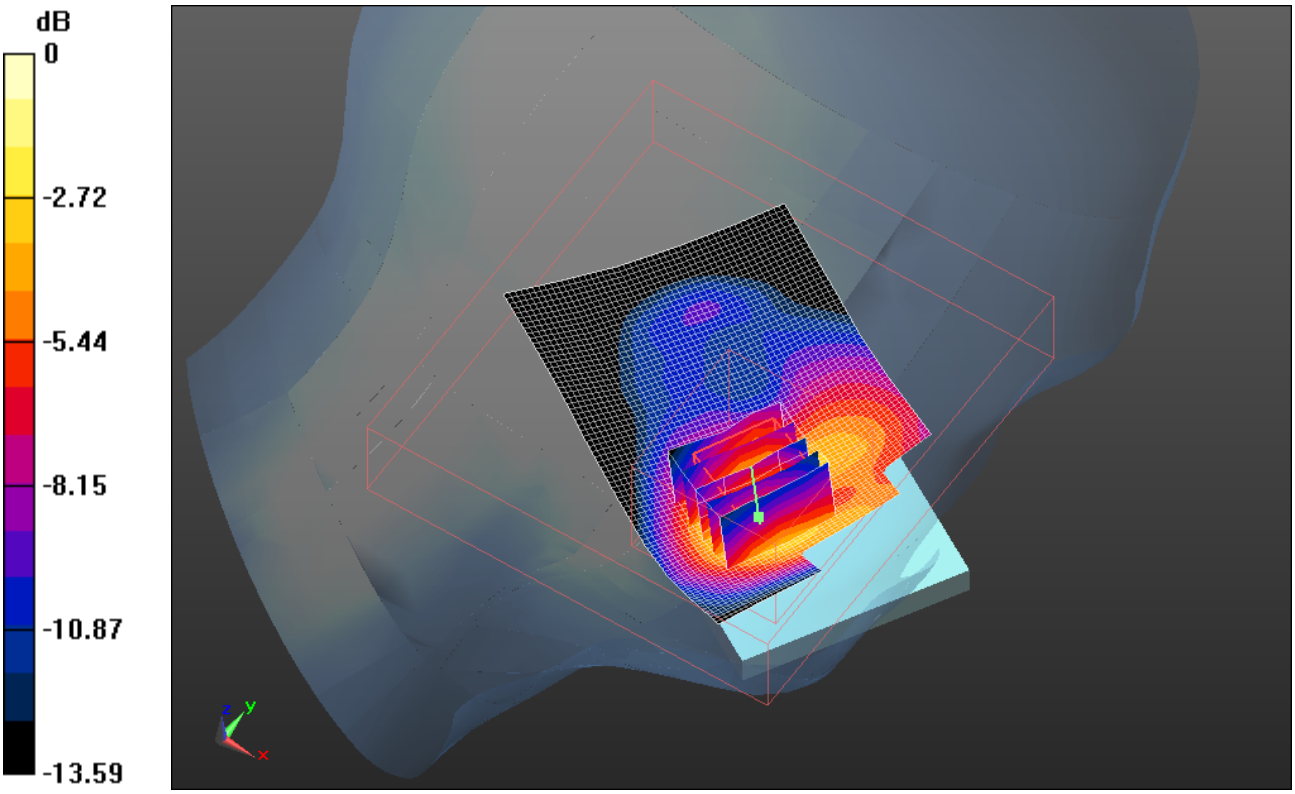

0 dB = 1.260mW/g

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Date/Time: 5/3/2011 5:31:39 PM, Date/Time: 5/3/2011 5:36:43 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_high_chan_amb_temp_23.3_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.364 mho/m; ε_r = 38.041; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.158 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.645 V/m; Power Drift = 0.0022 dB
Peak SAR (extrapolated) = 1.742 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.607 mW/g
Maximum value of SAR (measured) = 1.203 mW/g

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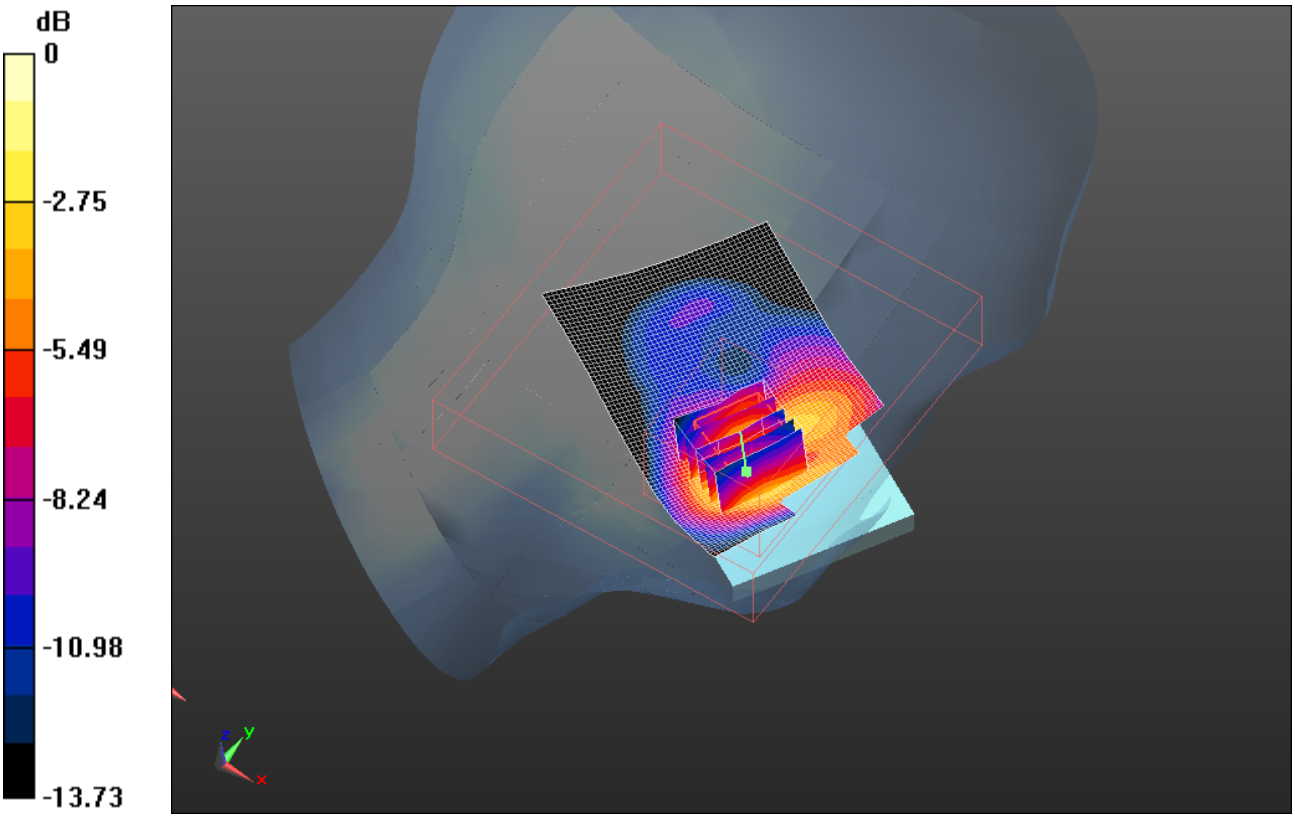

0 dB = 1.200mW/g

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Date/Time: 5/4/2011 10:22:37 AM, Date/Time: 5/4/2011 10:27:39 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_low_chan_amb_temp_23.2_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: GSM 1900; Frequency: 1850.2 MHz;Communication System PAR: 9.191 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.304 mho/m; ε_r = 38.282; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.940 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.086 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 1.364 W/kg
SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.504 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.973 mW/g

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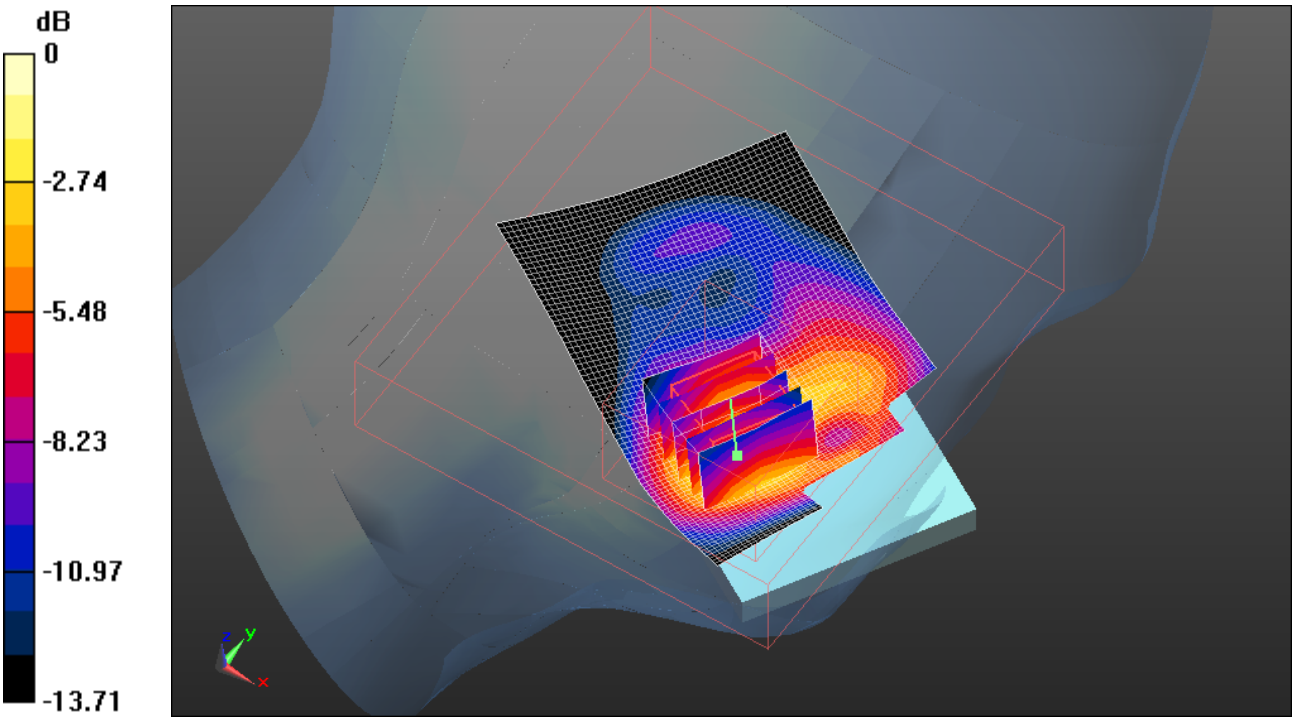

0 dB = 0.970mW/g

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Date/Time: 5/4/2011 9:27:43 AM, Date/Time: 5/4/2011 9:32:45 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.2_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.335 mho/m; ε_r = 38.14; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.291 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.023 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.305 mW/g

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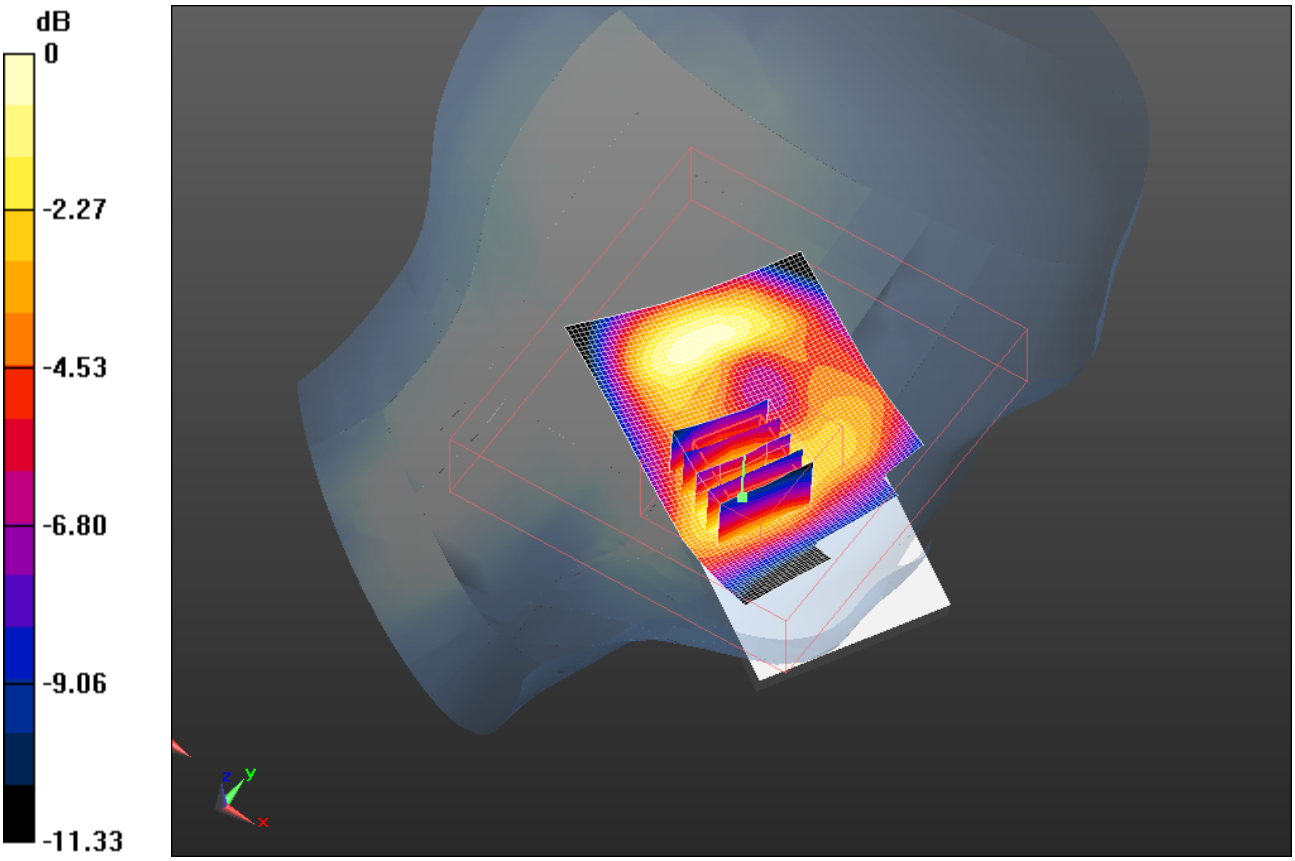

0 dB = 0.300mW/g

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Date/Time: 5/30/2011 6:47:09 PM, Date/Time: 5/30/2011 6:52:18 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_low_chan_amb_temp_23.9_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 824.7 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.924; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.935 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.049 V/m; Power Drift = -0.0068 dB
Peak SAR (extrapolated) = 1.120 W/kg
SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 0.904 mW/g

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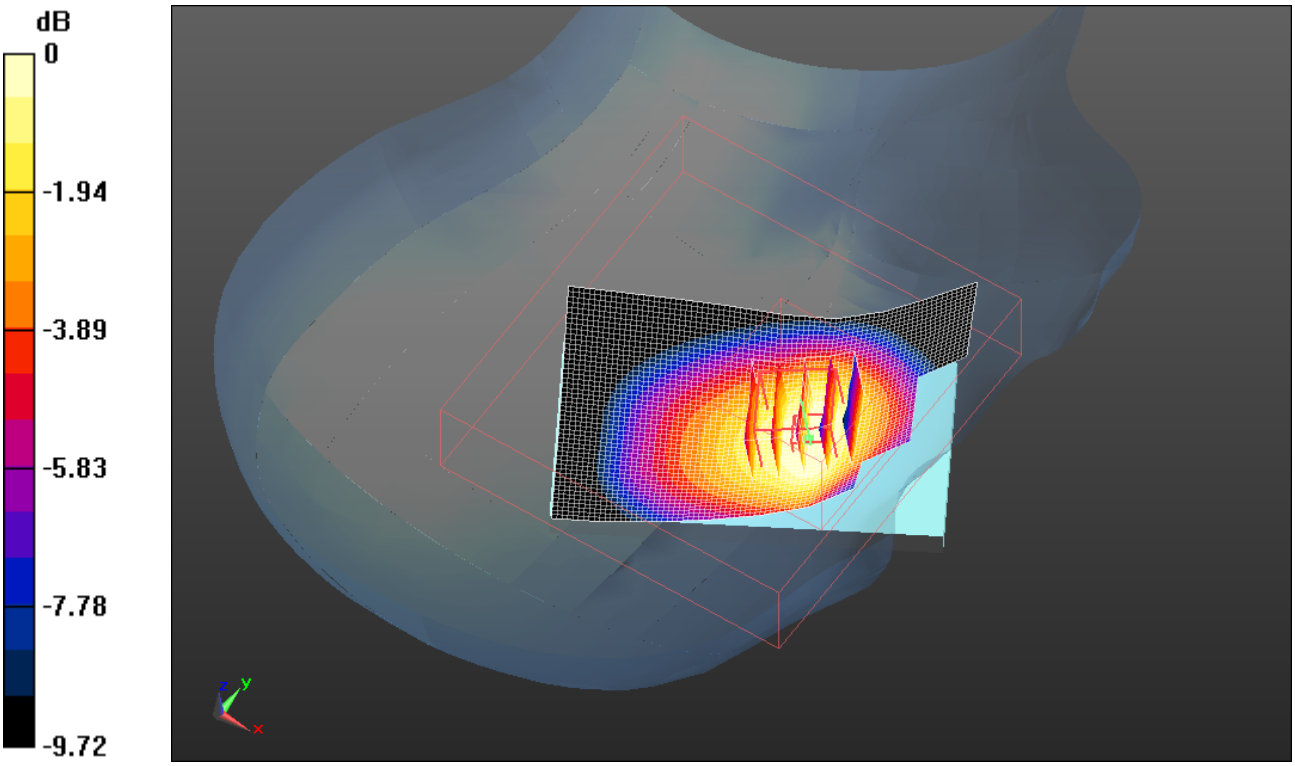

0 dB = 0.900mW/g

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Date/Time: 5/30/2011 6:07:25 PM, Date/Time: 5/30/2011 6:12:34 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_mid_chan_amb_temp_23.8_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.895 mho/m; ε_r = 40.789; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.901 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.467 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 1.060 W/kg
SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.580 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.841 mW/g

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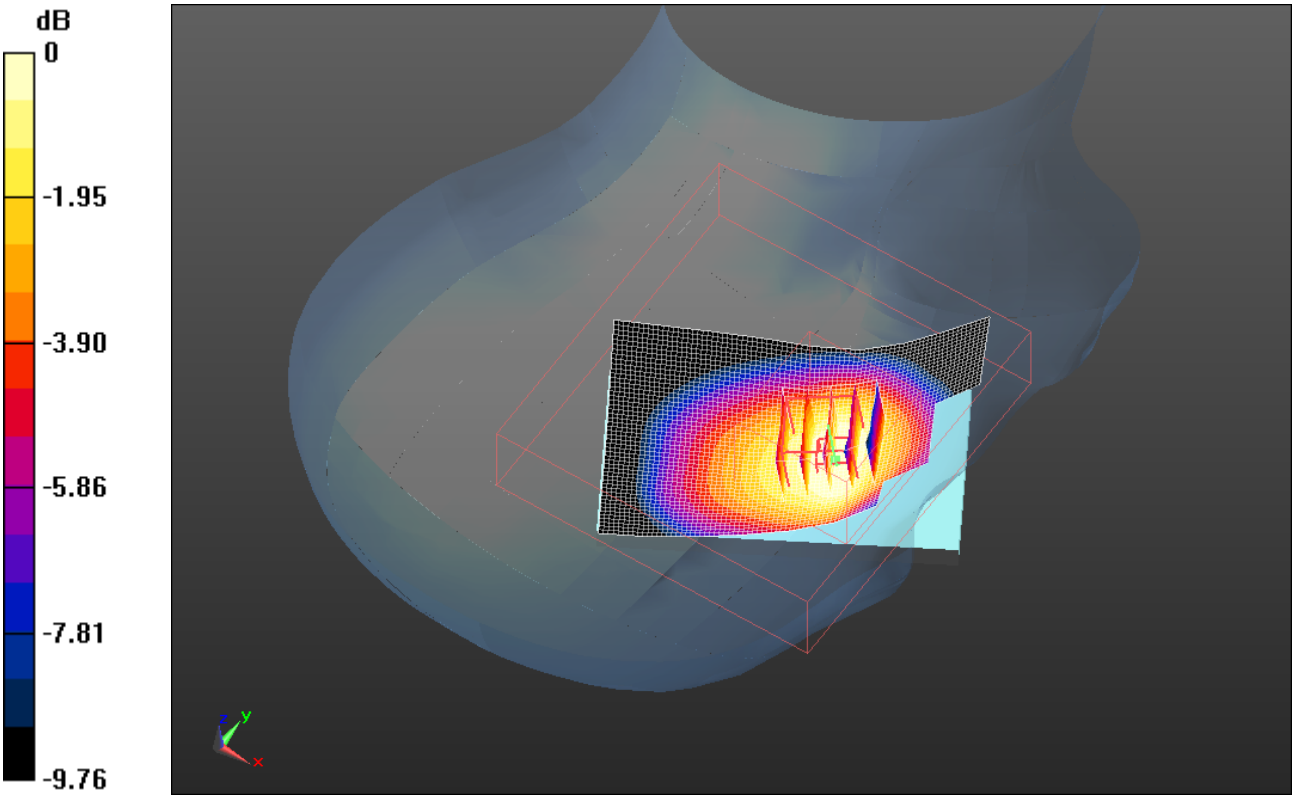

0 dB = 0.840mW/g

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Date/Time: 5/30/2011 6:58:58 PM, Date/Time: 5/30/2011 7:04:06 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_high_chan_amb_temp_23.9_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 848.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 848.52 MHz; σ = 0.905 mho/m; ε_r = 40.648; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.822 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.903 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.546 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.805 mW/g

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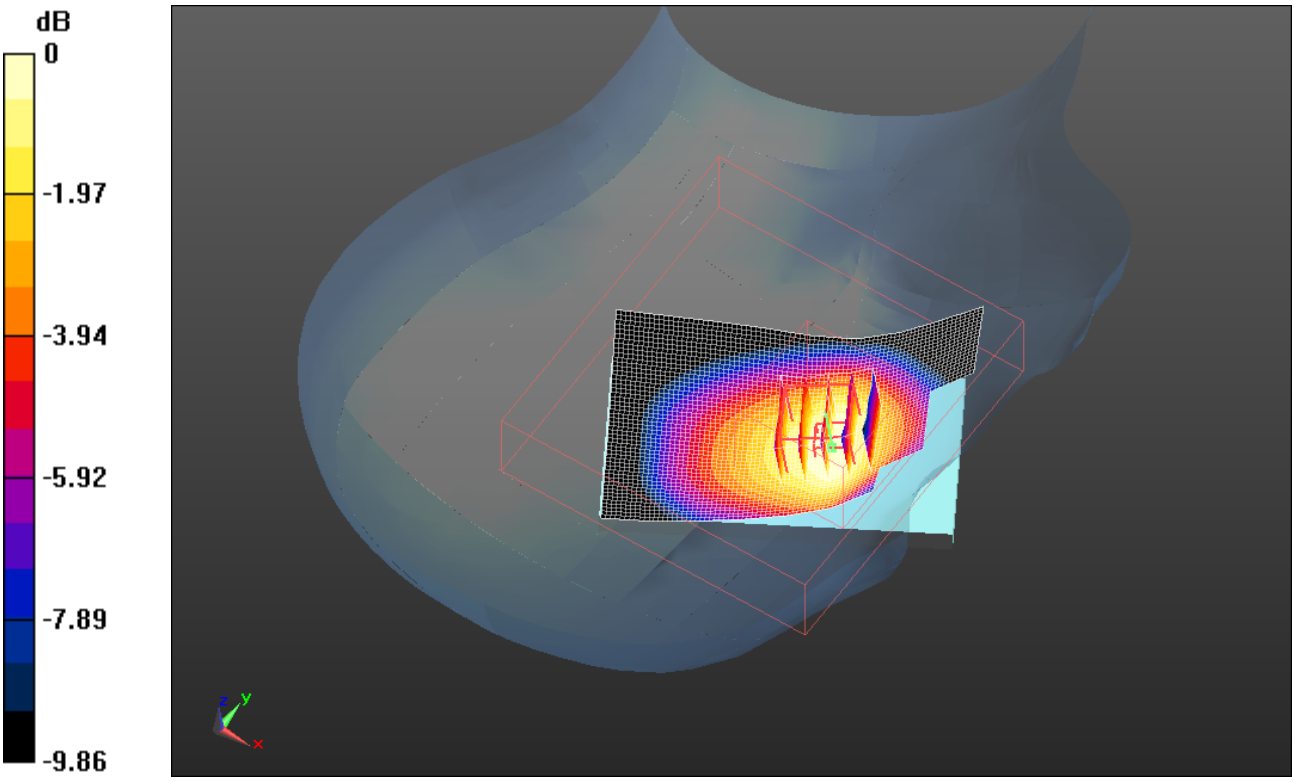

0 dB = 0.810mW/g

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Date/Time: 5/30/2011 7:12:38 PM, Date/Time: 5/30/2011 7:17:47 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA850_mid_chan_amb_temp_24.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.895 mho/m; ε_r = 40.789; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.621 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.916 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.446 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.631 mW/g

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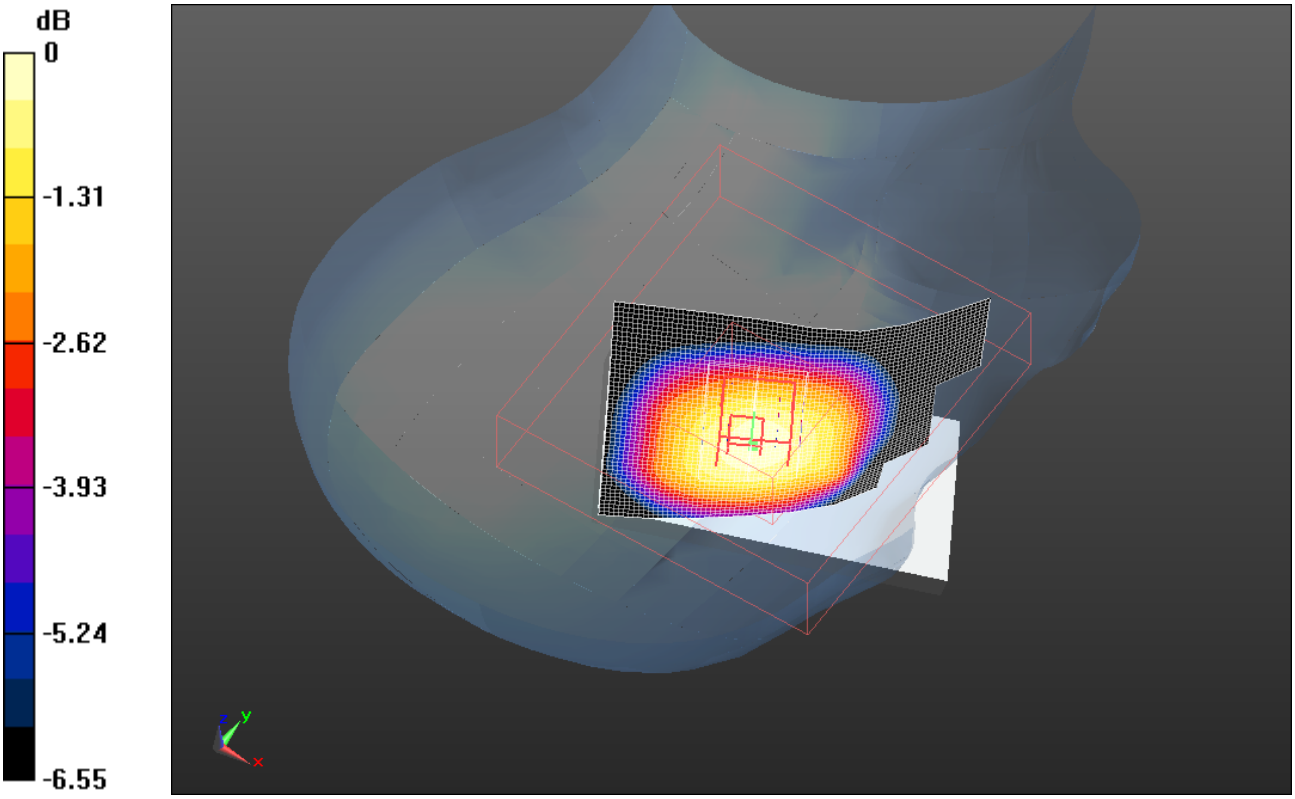

0 dB = 0.630mW/g

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Date/Time: 5/30/2011 8:02:55 PM, Date/Time: 5/30/2011 8:07:59 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_low_chan_amb_temp_23.7_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 824.7 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.924; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.956 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.323 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.297 W/kg
SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.599 mW/g
Maximum value of SAR (measured) = 0.951 mW/g

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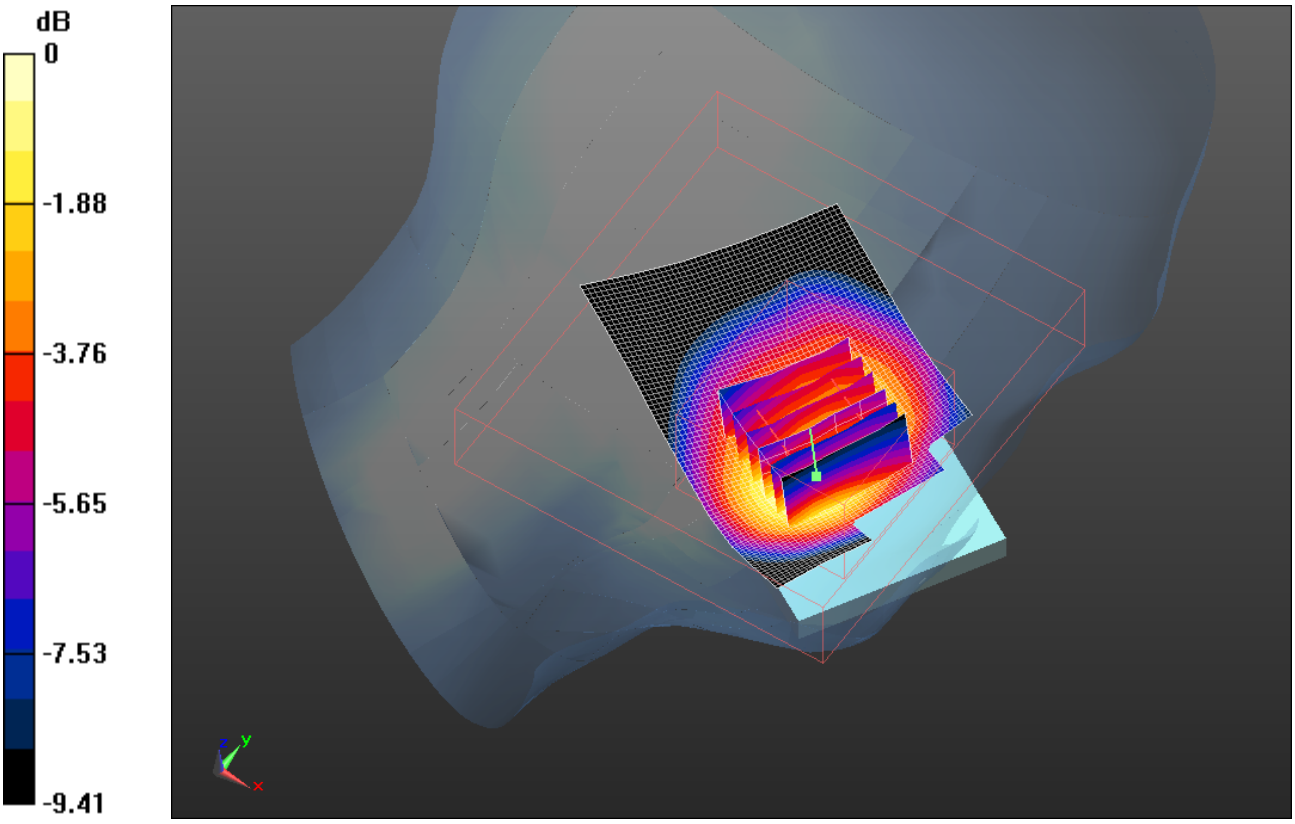

0 dB = 0.950mW/g

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Date/Time: 5/30/2011 7:50:56 PM, Date/Time: 5/30/2011 7:56:00 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_mid_chan_amb_temp_23.8_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.895 mho/m; ε_r = 40.789; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): 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) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.320 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.278 W/kg
SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.590 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.929 mW/g

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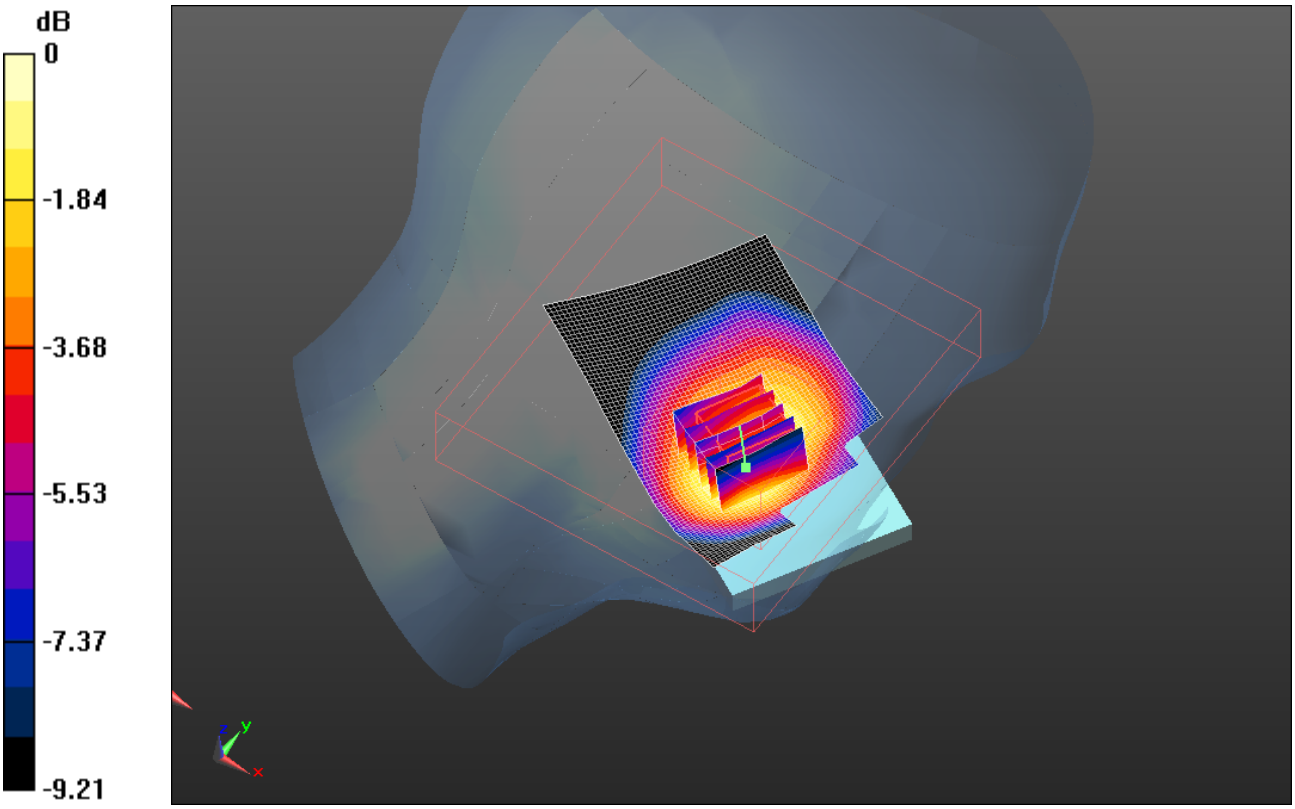

0 dB = 0.930mW/g

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Date/Time: 5/30/2011 8:17:22 PM, Date/Time: 5/30/2011 8:22:25 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_high_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 848.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 848.52 MHz; σ = 0.905 mho/m; ε_r = 40.648; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.846 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.772 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.191 W/kg
SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.529 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.844 mW/g

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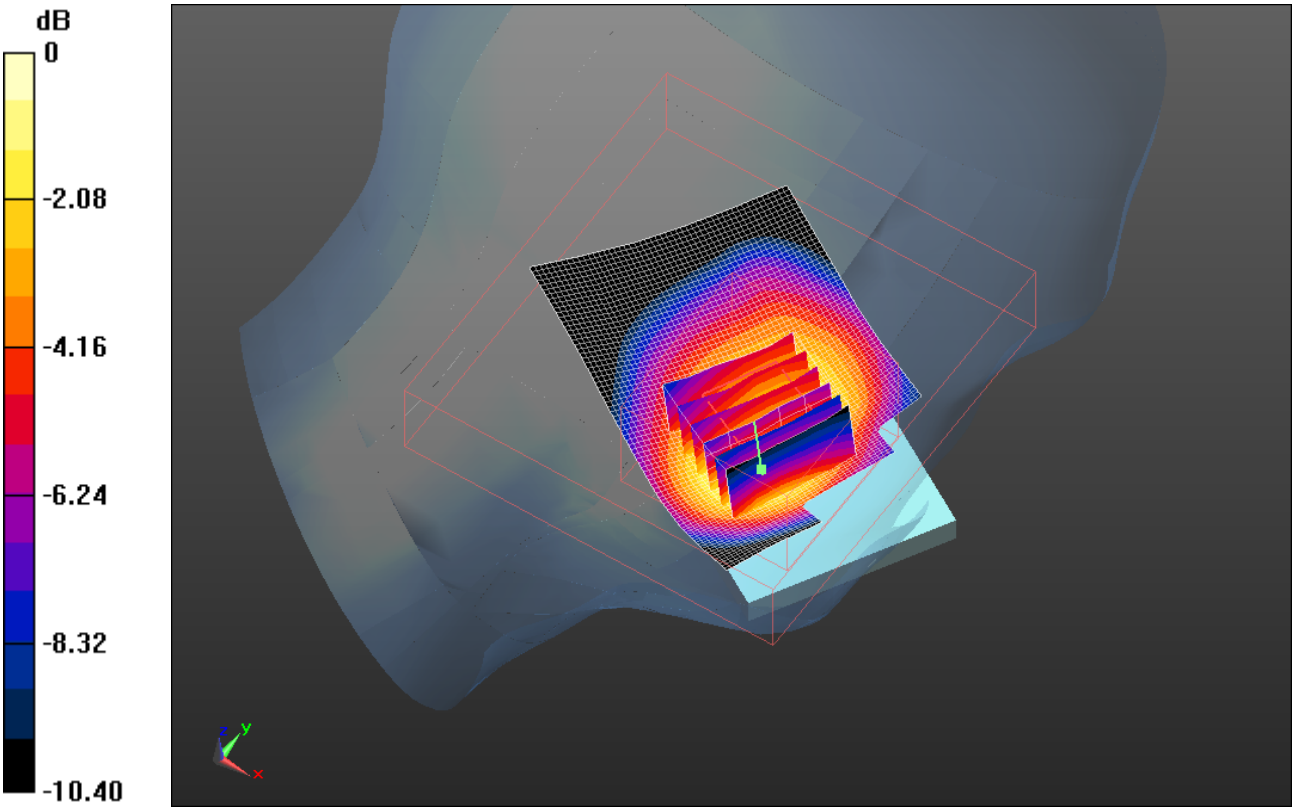

0 dB = 0.840mW/g

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Date/Time: 5/30/2011 9:03:46 PM, Date/Time: 5/30/2011 9:08:49 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA850_mid_chan_amb_temp_23.5_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DEC7

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.895 mho/m; ε_r = 40.789; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.352 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.700 W/kg
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.425 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.595 mW/g

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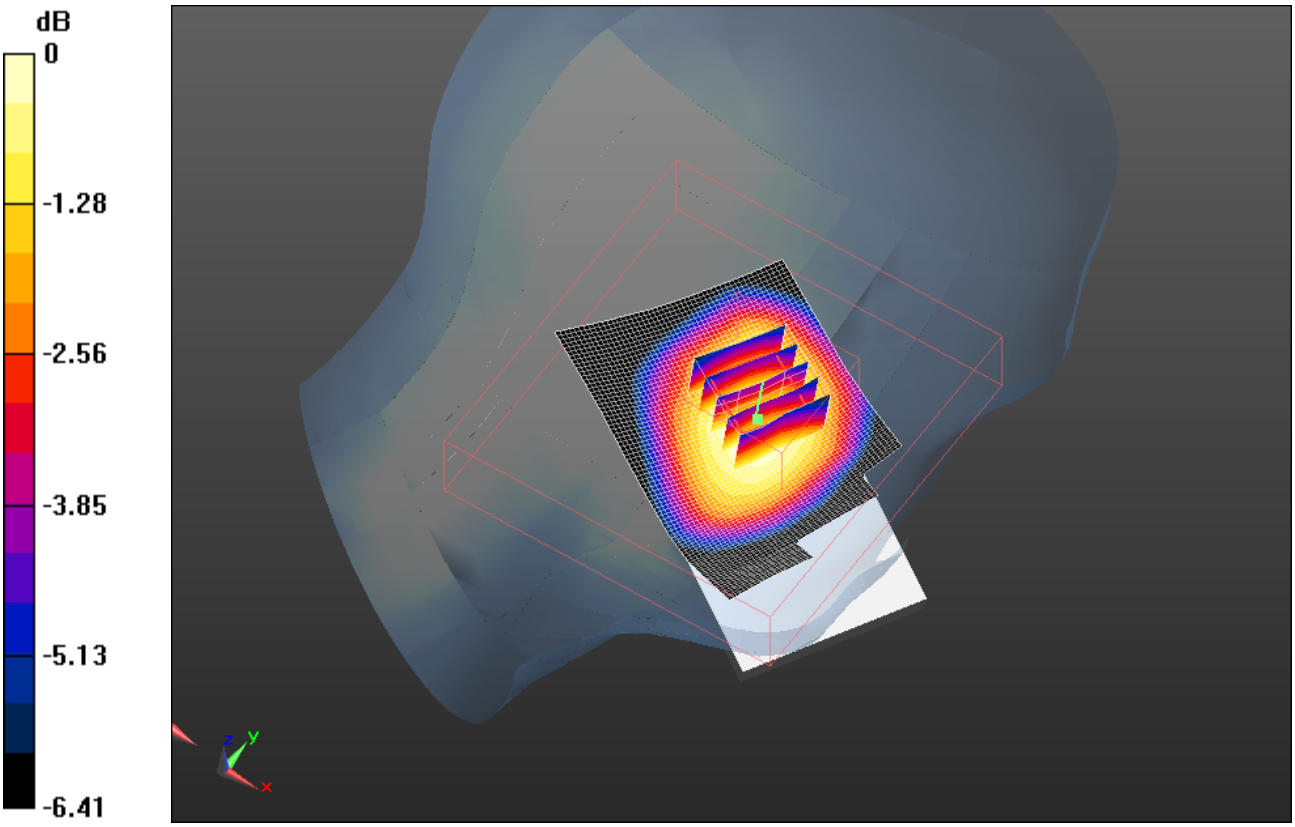

0 dB = 0.600mW/g

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Date/Time: 6/6/2011 6:01:25 PM, Date/Time: 6/6/2011 6:06:42 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_low_chan_amb_temp_23.1_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 824.7 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.299; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.702 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.939 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.808 W/kg
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.467 mW/g
Maximum value of SAR (measured) = 0.672 mW/g

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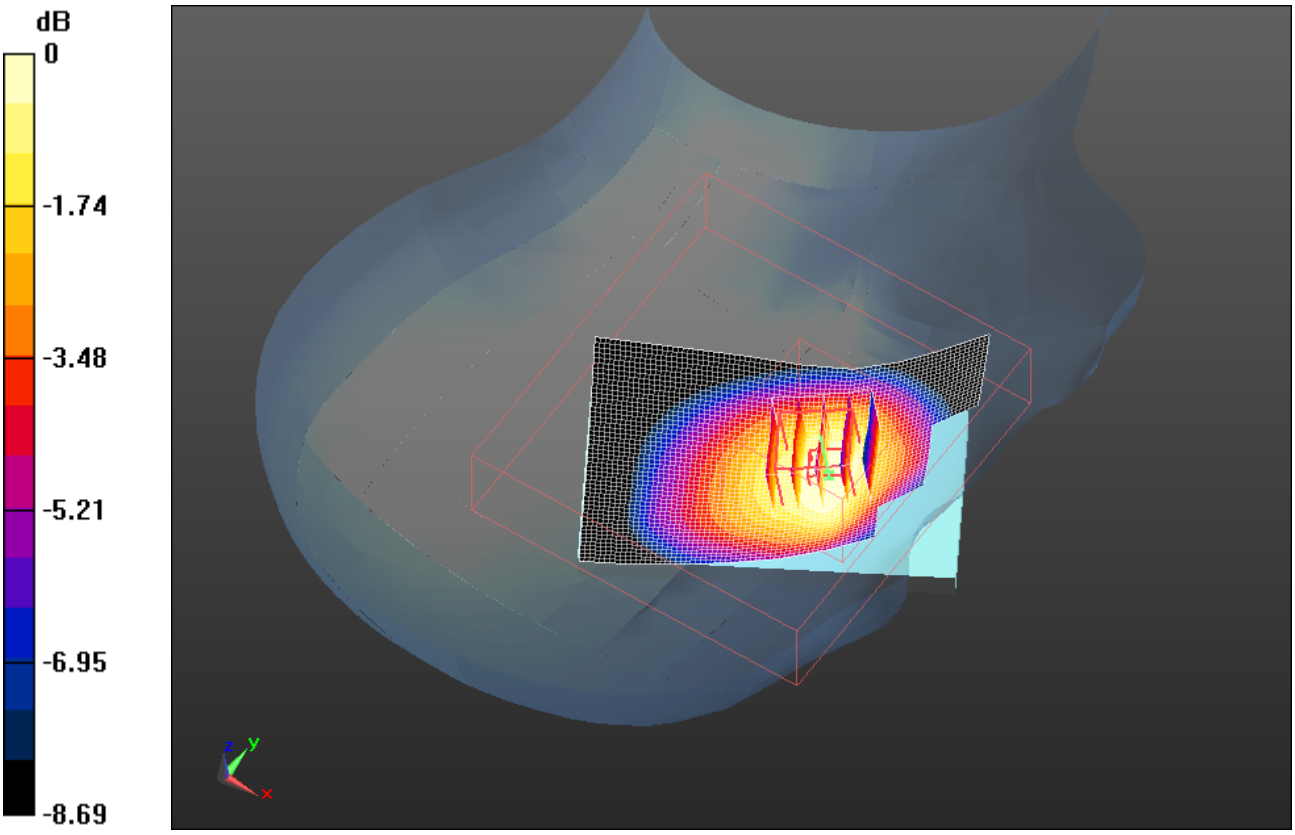

0 dB = 0.670mW/g

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Date/Time: 6/6/2011 2:22:58 PM, Date/Time: 6/6/2011 2:28:02 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_low_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular; Frequency: 824.7 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 825 MHz; σ = 0.884 mho/m; ε_r = 40.299; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.687 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.266 V/m; Power Drift = -0.0056 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.424 mW/g
Maximum value of SAR (measured) = 0.657 mW/g

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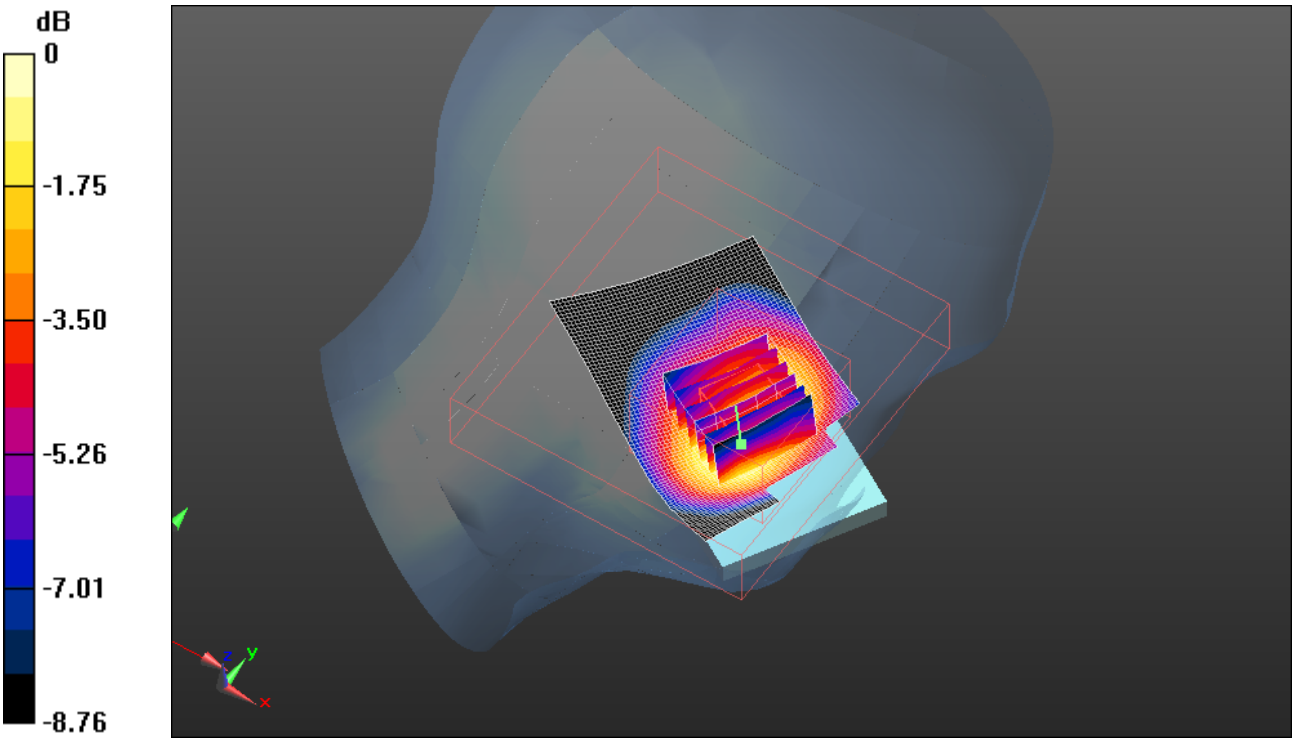

0 dB = 0.660mW/g

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Date/Time: 6/10/2011 8:54:01 PM, Date/Time: 6/10/2011 8:59:14 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_low_chan_amb_temp_23.1_liq_temp_22.2 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1851.25 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.294 mho/m; ε_r = 38.241; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.453 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.359 W/kg
SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.631 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.021 mW/g

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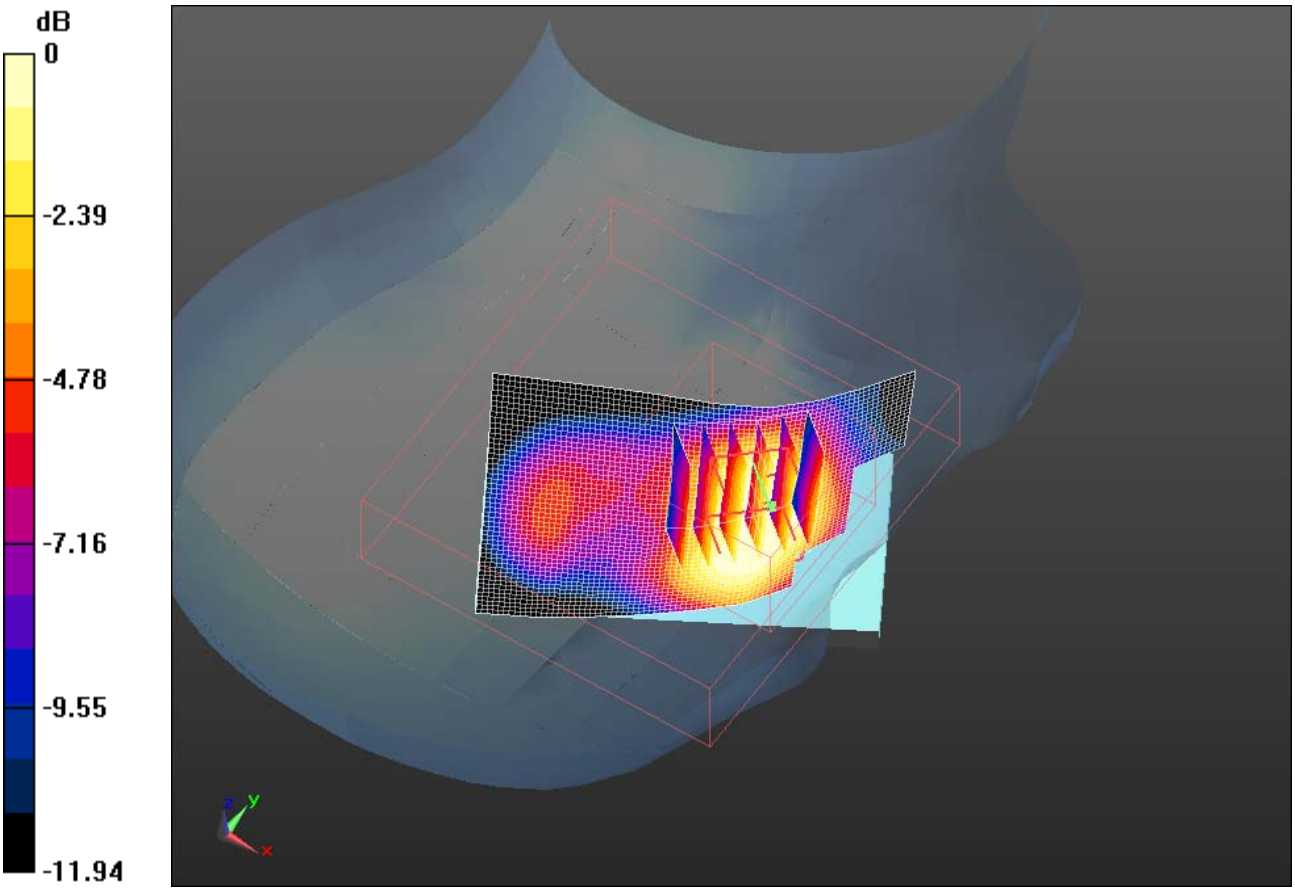

0 dB = 1.020mW/g

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Date/Time: 6/10/2011 8:42:41 PM, Date/Time: 6/10/2011 8:47:53 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_mid_chan_amb_temp_23.1_liq_temp_22.2 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.323 mho/m; ε_r = 38.213; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.047 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.227 V/m; Power Drift = 0.53 dB
Peak SAR (extrapolated) = 1.372 W/kg
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 1.000 mW/g

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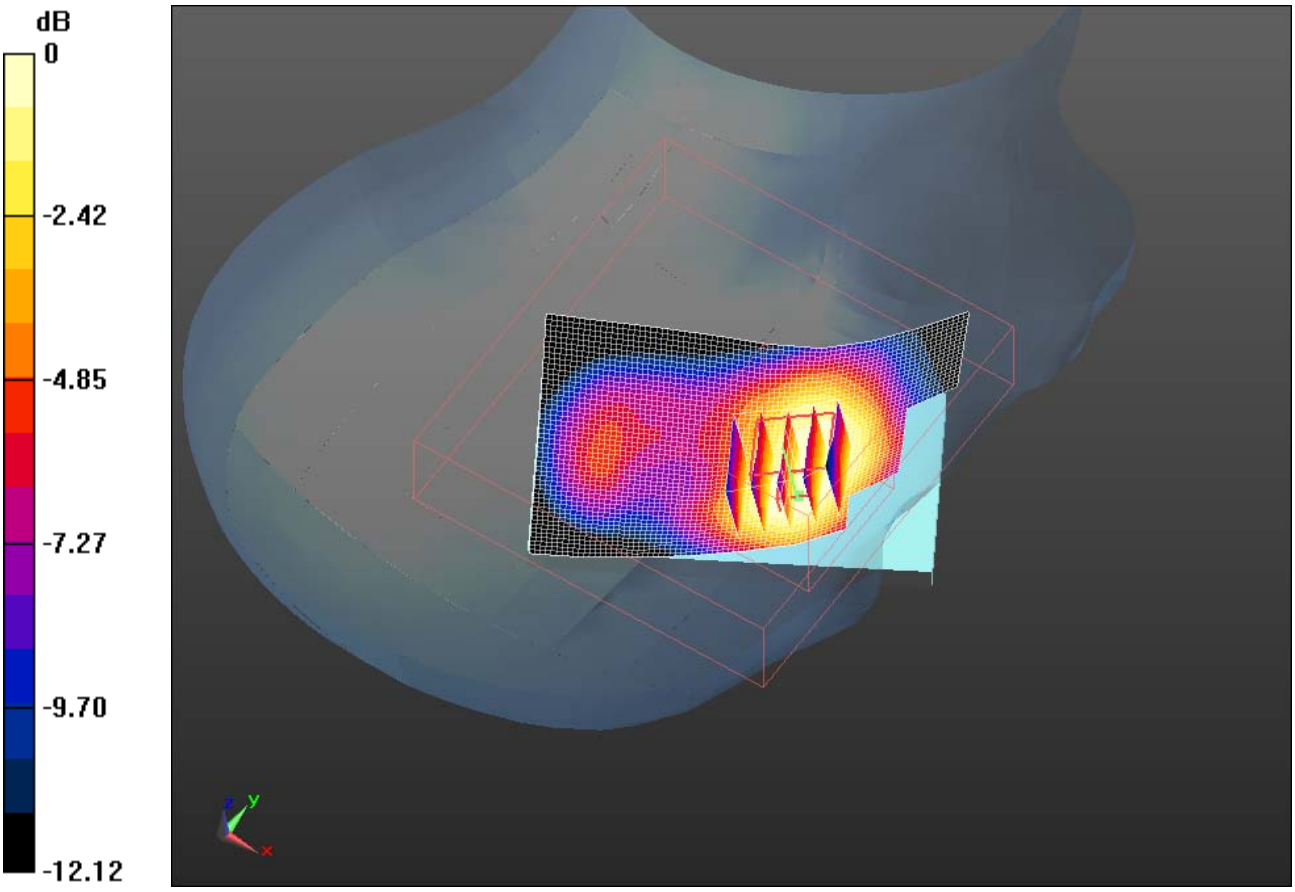

0 dB = 1.000mW/g

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Date/Time: 6/10/2011 9:07:57 PM, Date/Time: 6/10/2011 9:13:09 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_high_chan_amb_temp_23.4_liq_temp_22.3 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1908.5 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.349 mho/m; ε_r = 38.076; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.957 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.401 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.158 W/kg
SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.521 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.860 mW/g

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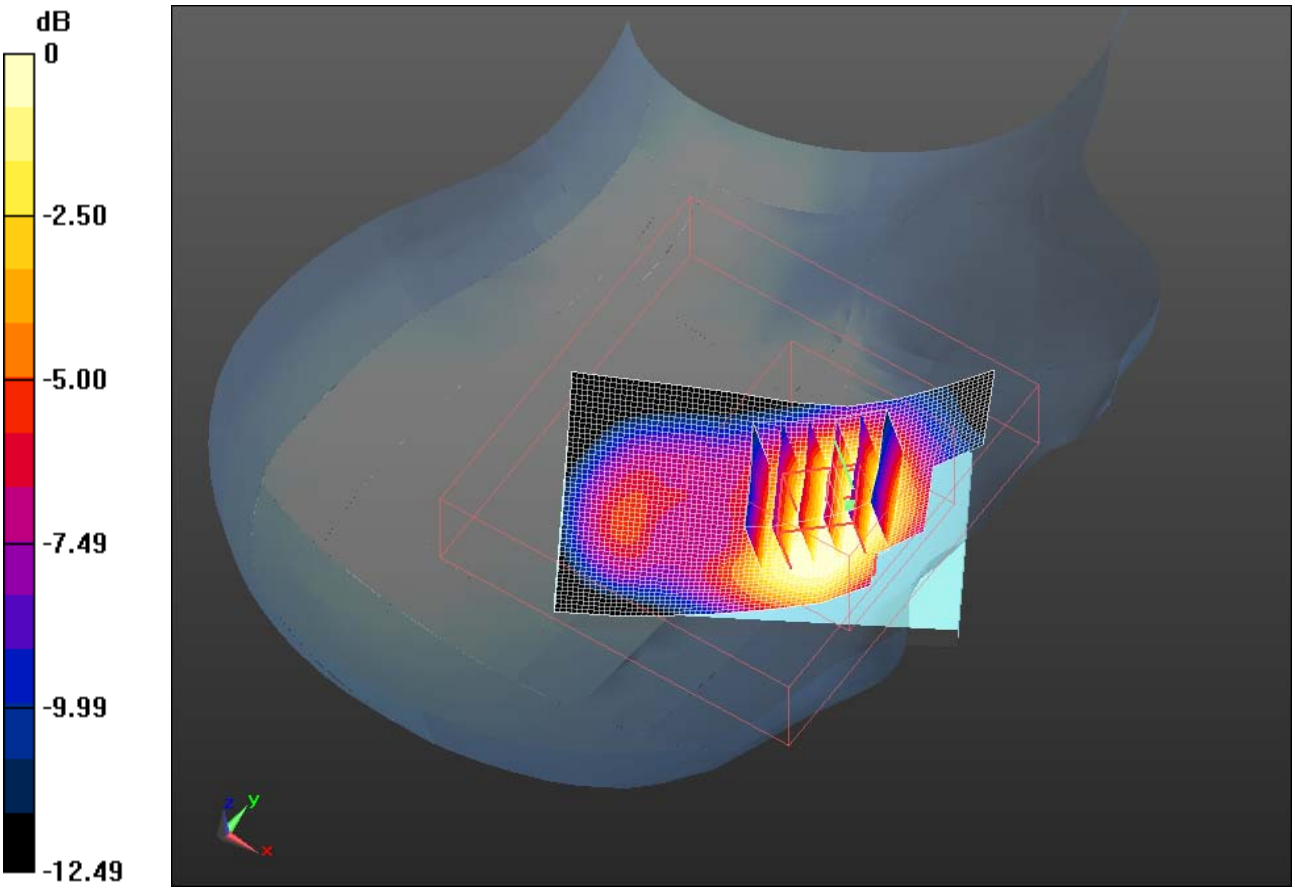

0 dB = 0.860mW/g

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Date/Time: 6/10/2011 9:22:04 PM, Date/Time: 6/10/2011 9:27:18 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.4_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.323 mho/m; ε_r = 38.213; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.582 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.802 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.799 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 0.550 mW/g

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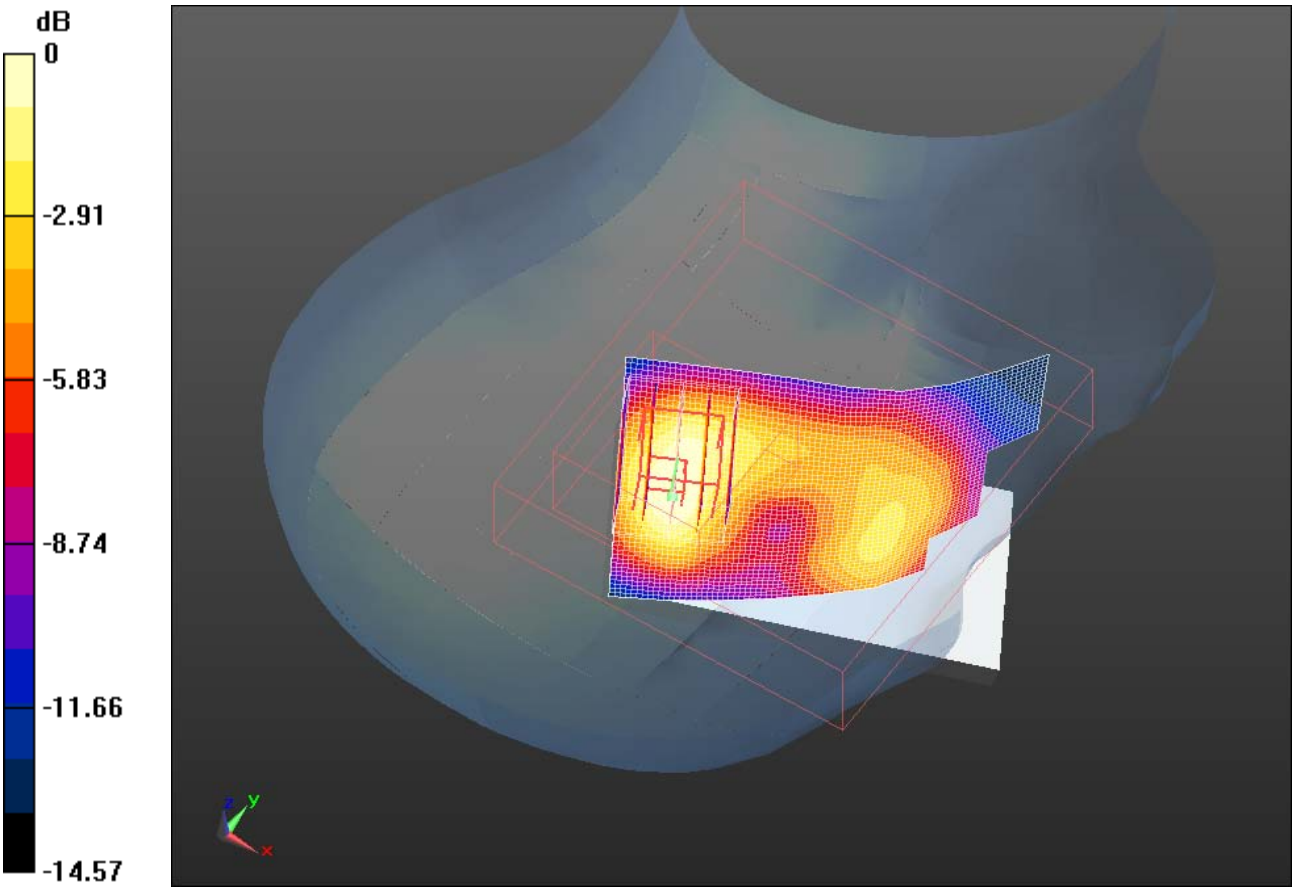

0 dB = 0.550mW/g

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Date/Time: 6/10/2011 9:53:40 PM, Date/Time: 6/10/2011 9:58:49 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_low_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1851.25 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.294 mho/m; ε_r = 38.241; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.566 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.356 V/m; Power Drift = -7.1e-005 dB
Peak SAR (extrapolated) = 2.373 W/kg
SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.890 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.630 mW/g

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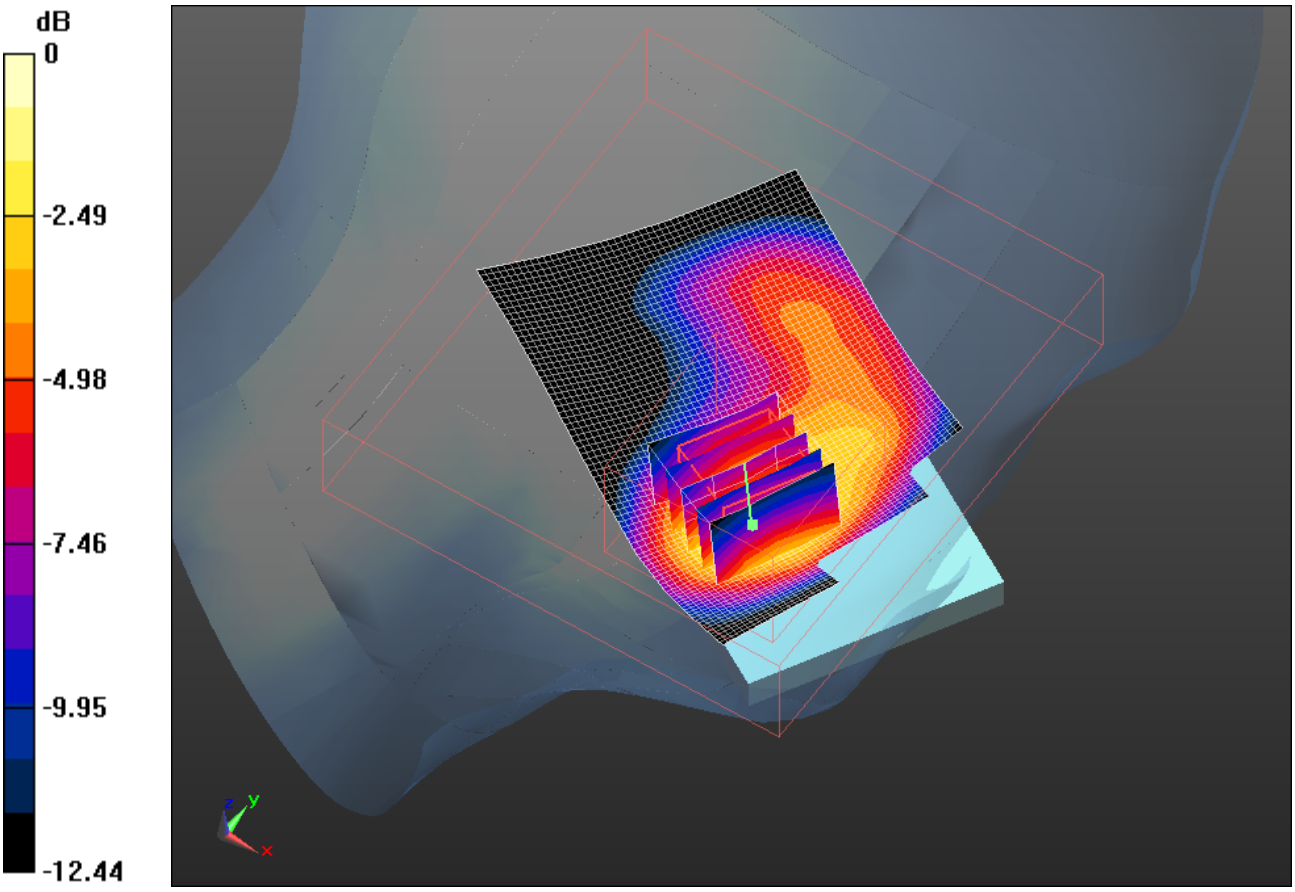

0 dB = 1.630mW/g

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Date/Time: 6/10/2011 9:41:26 PM, Date/Time: 6/10/2011 9:46:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.0_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.323 mho/m; ε_r = 38.213; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.487 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.842 V/m; Power Drift = 0.0046 dB
Peak SAR (extrapolated) = 2.261 W/kg
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.830 mW/g
Maximum value of SAR (measured) = 1.523 mW/g

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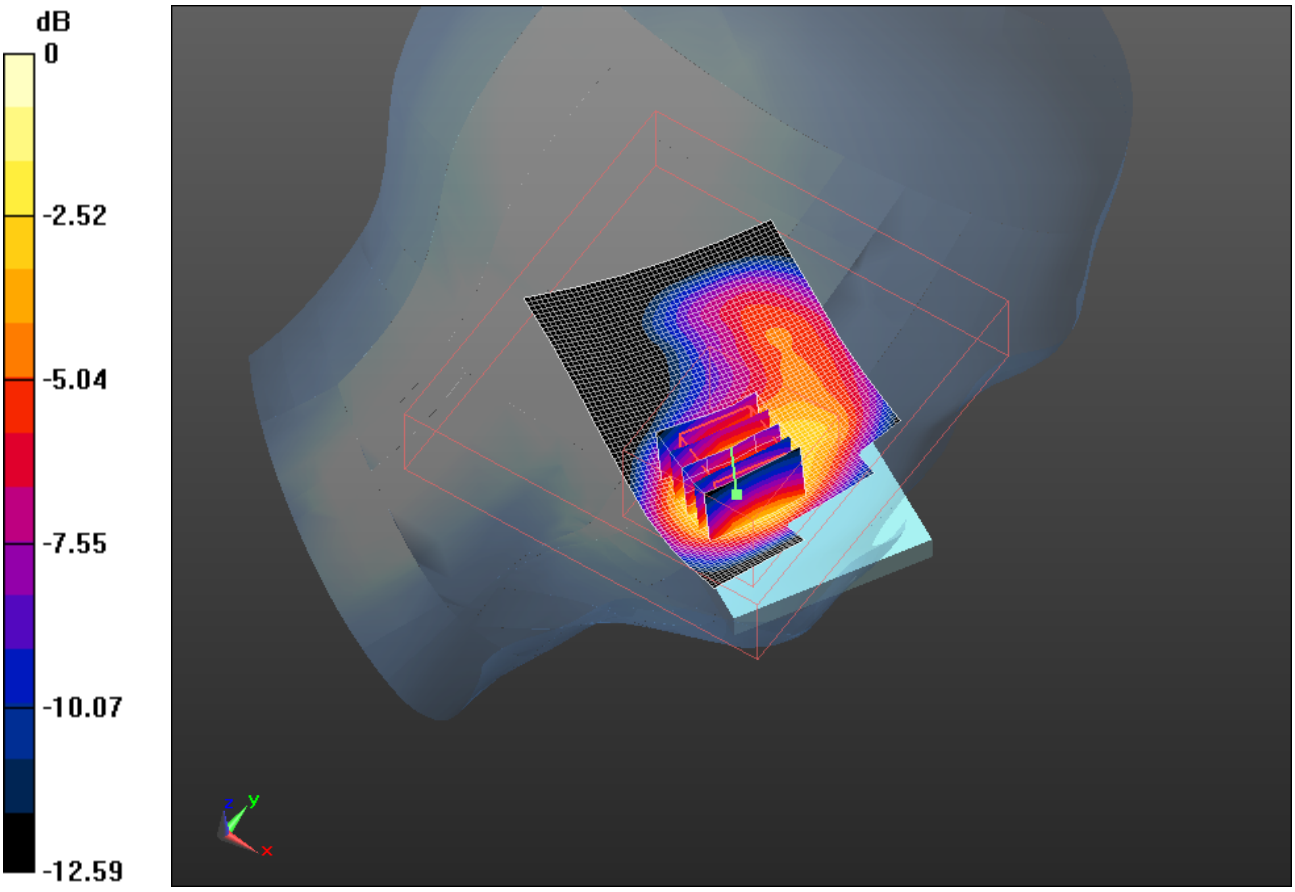

0 dB = 1.520mW/g

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Date/Time: 6/10/2011 10:05:26 PM, Date/Time: 6/10/2011 10:10:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_high_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1908.5 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.349 mho/m; ε_r = 38.076; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.306 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.991 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.913 W/kg
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.707 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.337 mW/g

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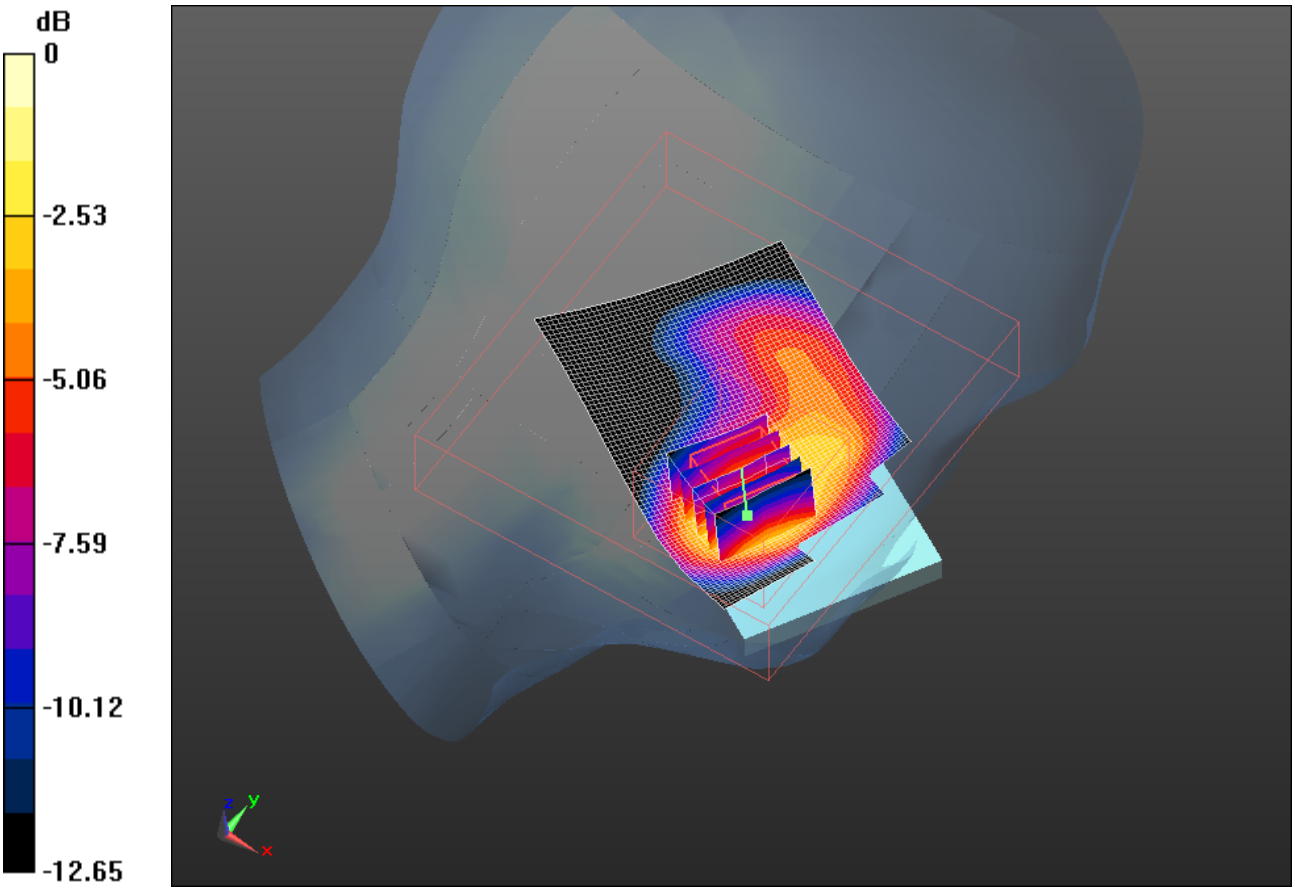

0 dB = 1.340mW/g

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Date/Time: 6/10/2011 10:17:06 PM, Date/Time: 6/10/2011 10:22:14 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.323 mho/m; ε_r = 38.213; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.789 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.784 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.936 W/kg
SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.379 mW/g
Maximum value of SAR (measured) = 0.684 mW/g

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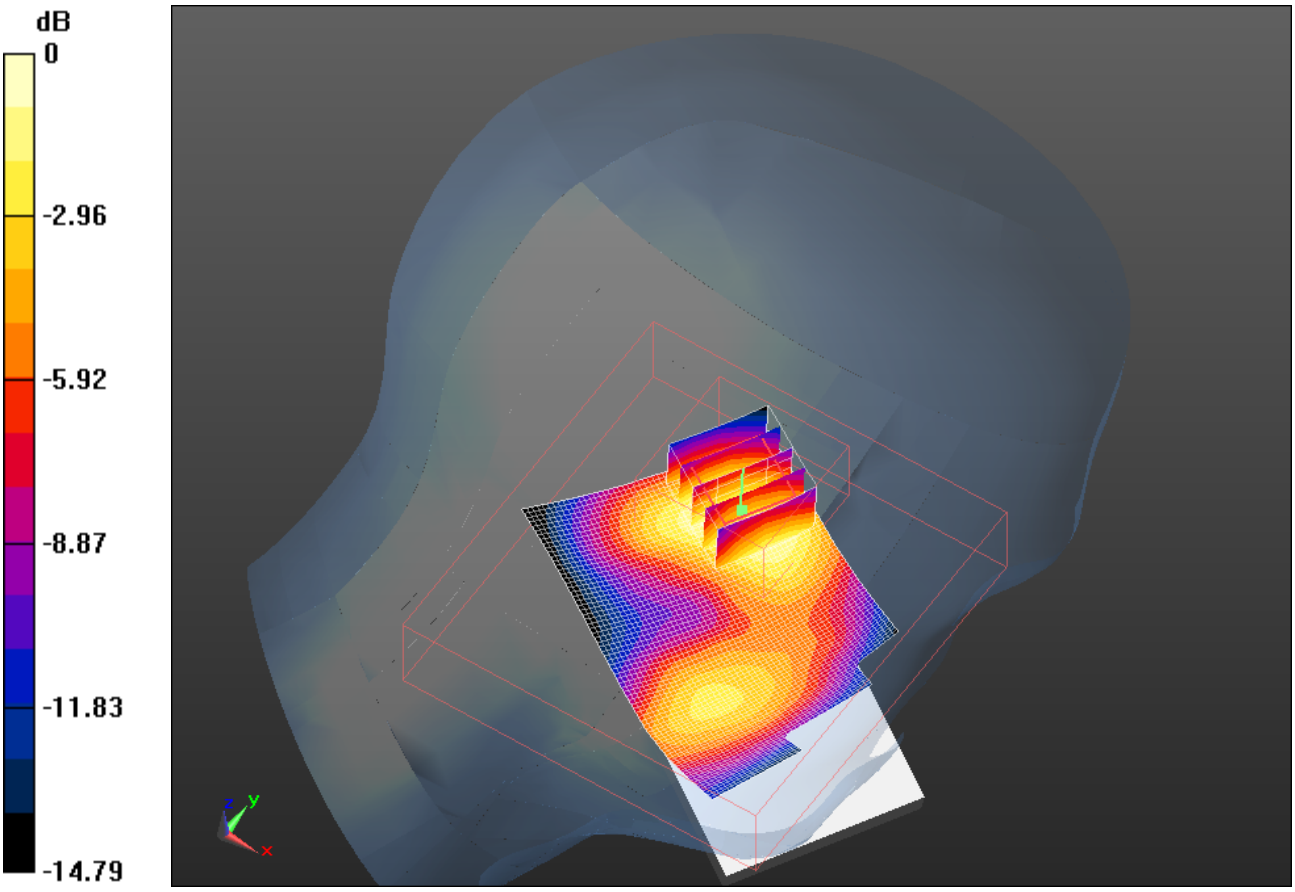

0 dB = 0.680mW/g

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Date/Time: 6/24/2011 7:58:18 PM, Date/Time: 6/24/2011 8:03:38 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_high_chan_amb_temp_23.0_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;
Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.829 mho/m; ε_r = 37.695; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.174 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.059 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.347 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.066 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.170 mW/g

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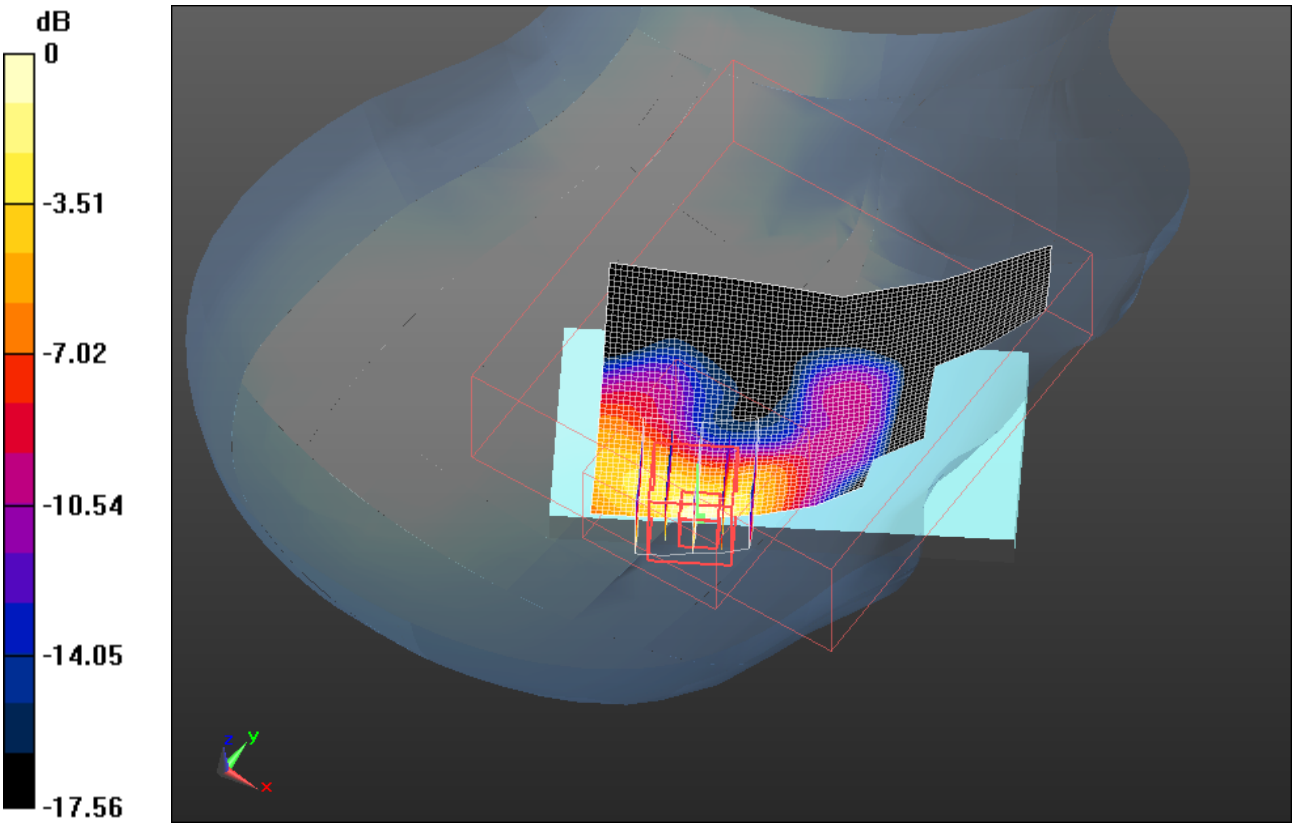

0 dB = 0.170mW/g

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Date/Time: 6/24/2011 8:11:48 PM, Date/Time: 6/24/2011 8:16:53 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_high_chan_amb_temp_23.0_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.829 mho/m; ε_r = 37.695; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.107 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.140 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.198 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.041 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.107 mW/g

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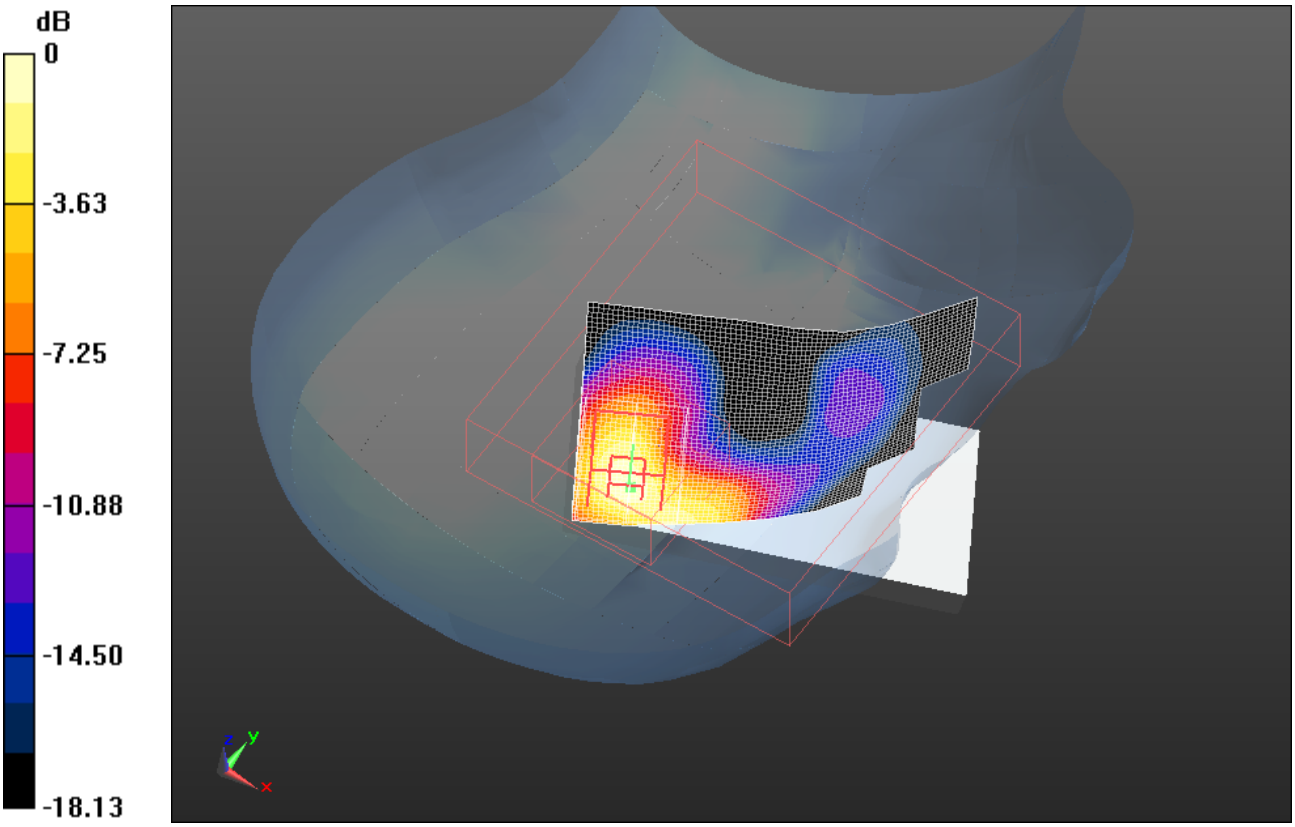

0 dB = 0.110mW/g

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Date/Time: 6/24/2011 7:02:54 PM, Date/Time: 6/24/2011 7:07:54 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.829 mho/m; ε_r = 37.695; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.062 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.644 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.110 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.029 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.062 mW/g

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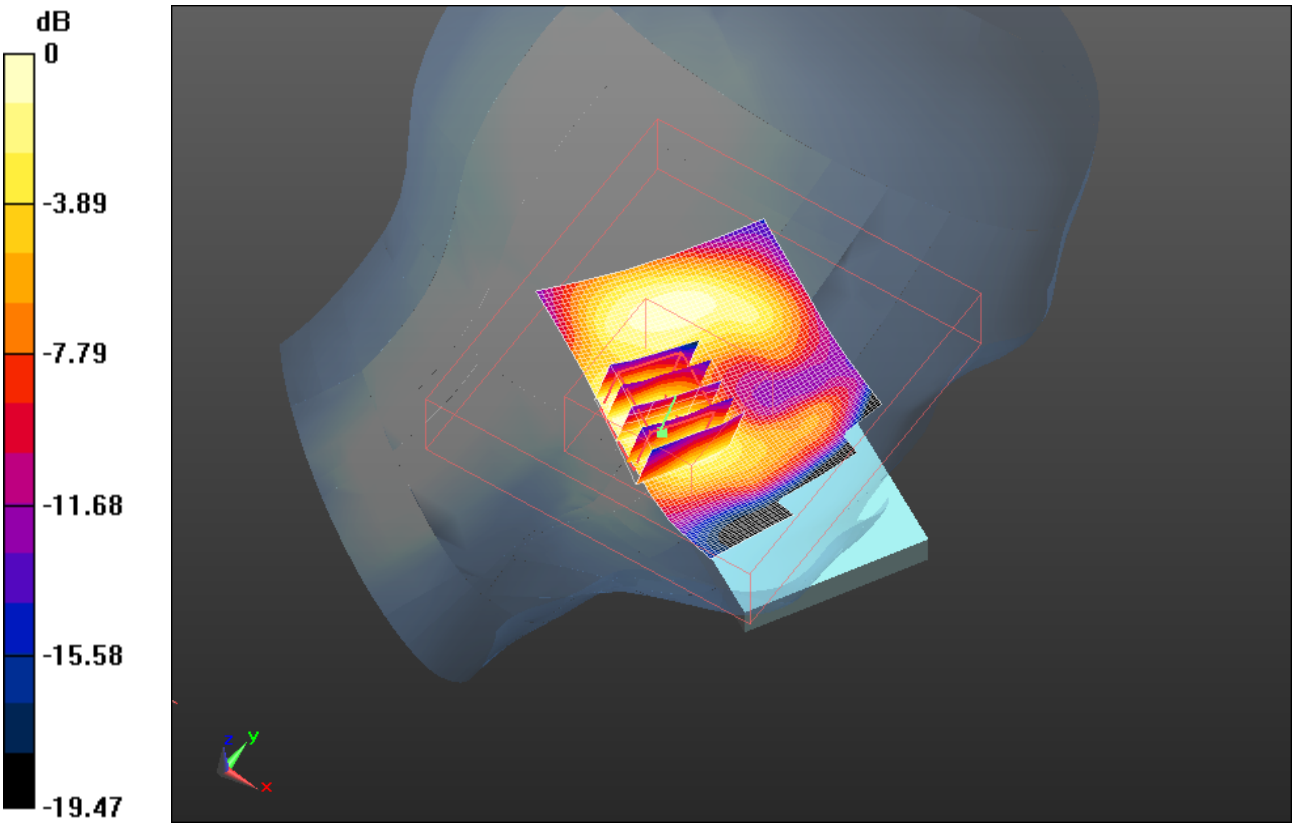

0 dB = 0.060mW/g

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Date/Time: 6/24/2011 7:32:46 PM, Date/Time: 6/24/2011 7:37:47 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_high_chan_amb_temp_23.1_liq_temp_22.0 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.829 mho/m; ε_r = 37.695; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.057 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.521 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.093 W/kg
SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.025 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.058 mW/g

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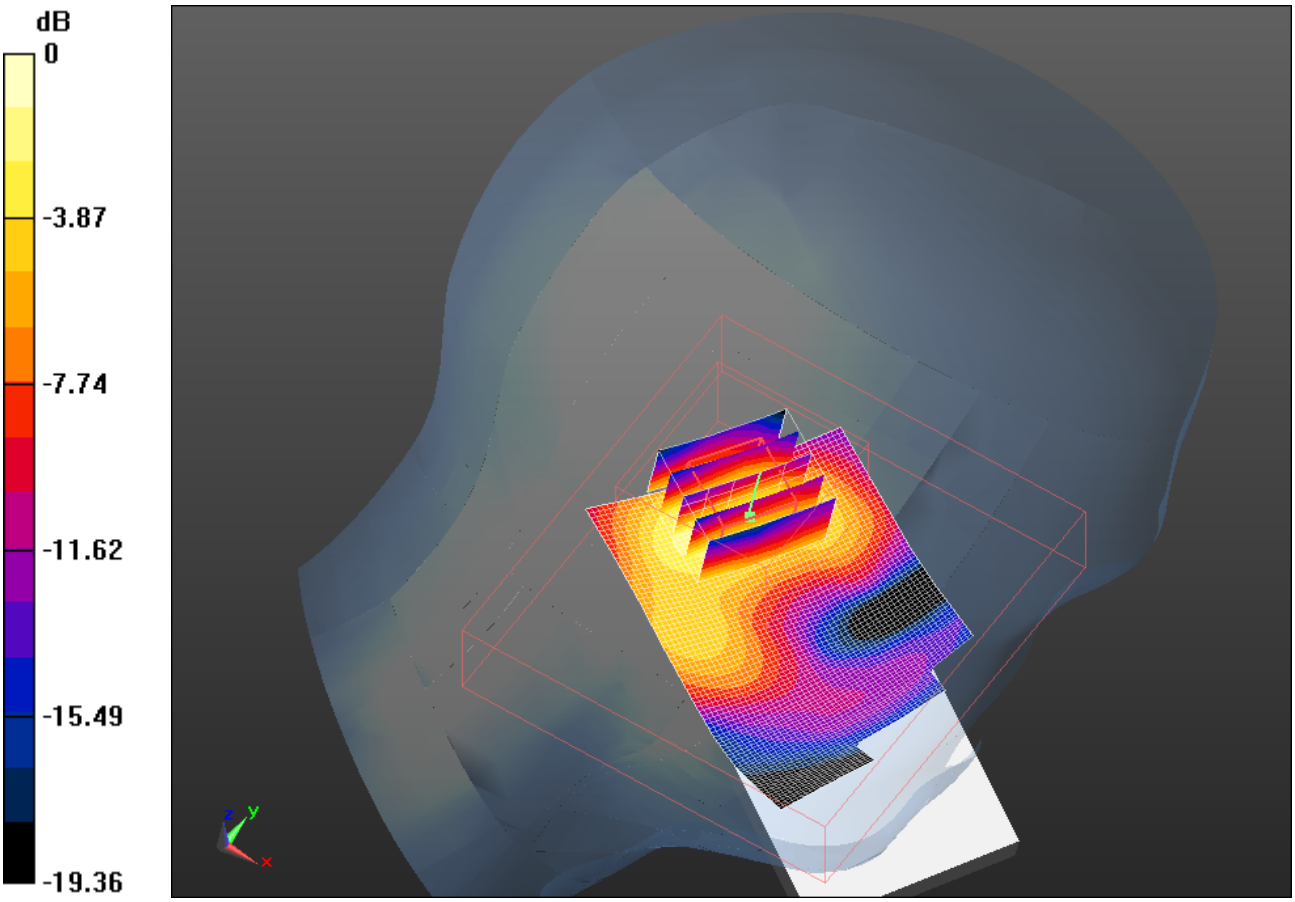

0 dB = 0.060mW/g

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Date/Time: 6/15/2011 10:11:58 PM, Date/Time: 6/15/2011 10:17:19 PM

Test Laboratory: RIM Testing Services

RightHandSide_Bluetooth_mid_chan_amb_temp_23.8_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: Bluetooth; Frequency: 2441 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.883 mho/m; ε_r = 40.624; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.0097 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.548 V/m; Power Drift = 4.09 dB
Peak SAR (extrapolated) = 0.020 W/kg
SAR(1 g) = 0.00813 mW/g; SAR(10 g) = 0.00376 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.00861 mW/g

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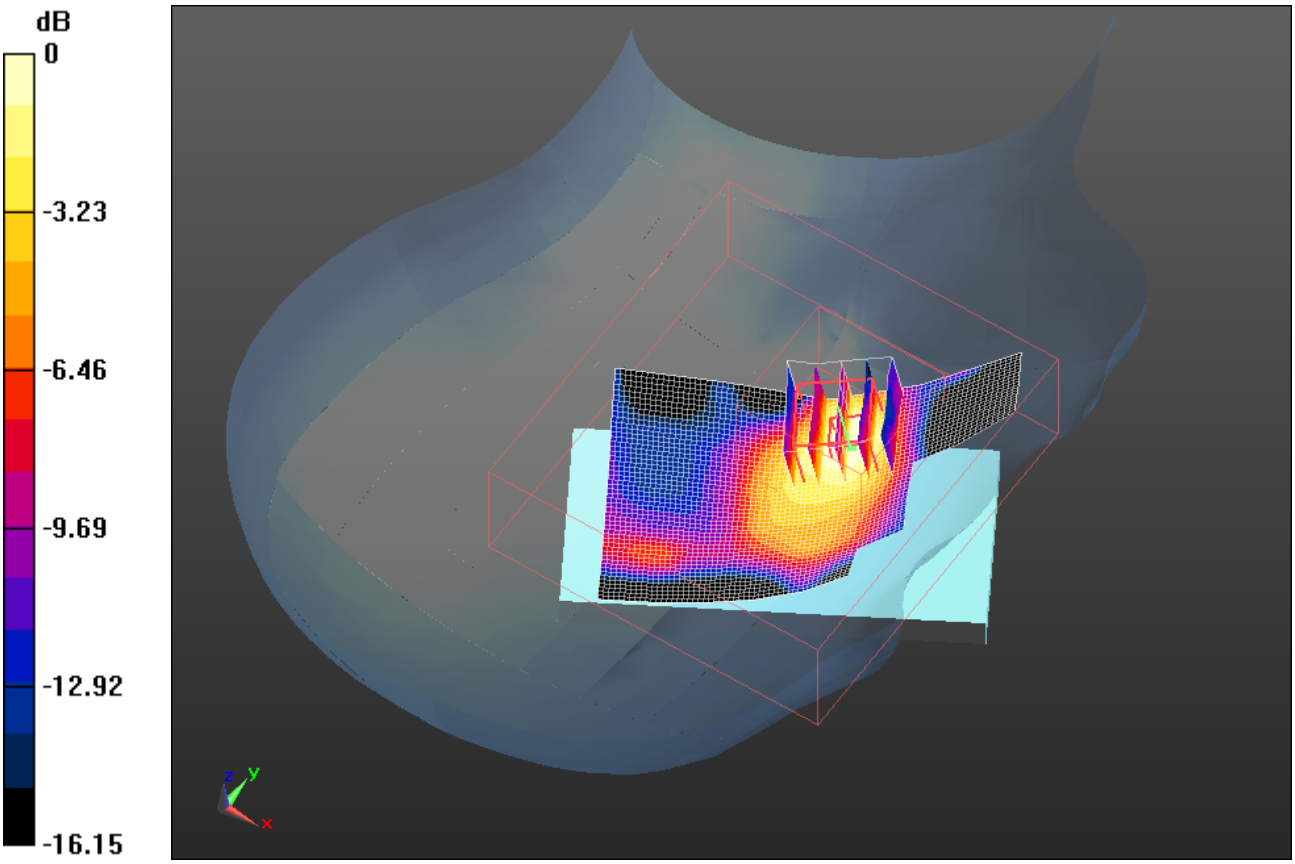

0 dB = 0.0086mW/g

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Date/Time: 6/15/2011 10:25:16 PM, Date/Time: 6/15/2011 10:30:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_Bluetooth_mid_chan_amb_temp_23.7_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: Bluetooth; Frequency: 2441 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.883 mho/m; ε_r = 40.624; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.00289 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.137 V/m; Power Drift = 0.69 dB
Peak SAR (extrapolated) = 0.00395 W/kg
SAR(1 g) = 0.00158 mW/g; SAR(10 g) = 0.000651 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.0018 mW/g

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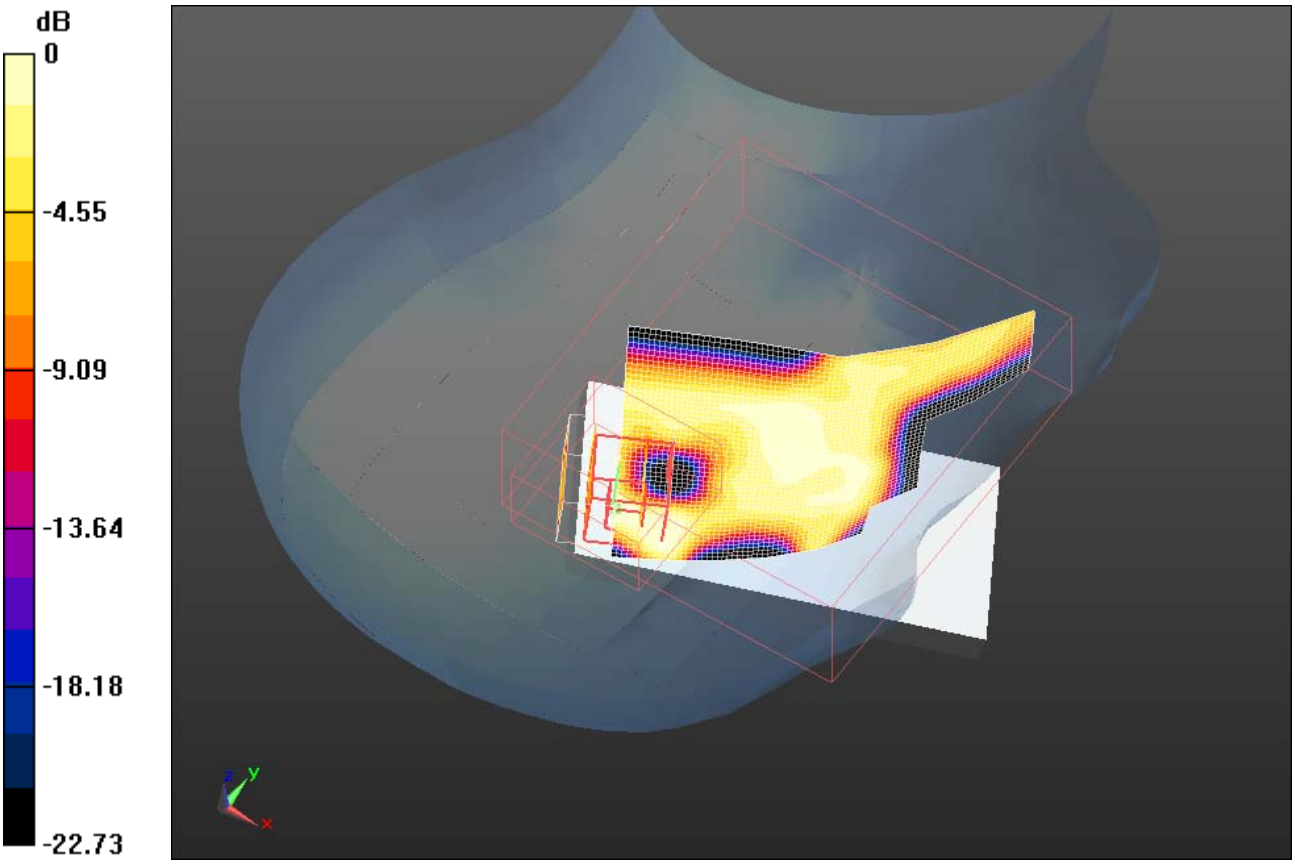

0 dB = 0.0018mW/g

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Date/Time: 6/15/2011 10:38:08 PM, Date/Time: 6/15/2011 10:43:11 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Bluetooth_mid_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD945

Communication System: Bluetooth; Frequency: 2441 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.883 mho/m; ε_r = 40.624; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.00536 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.906 V/m; Power Drift = 1.55 dB
Peak SAR (extrapolated) = 0.00687 W/kg
SAR(1 g) = 0.00338 mW/g; SAR(10 g) = 0.00198 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.00361 mW/g

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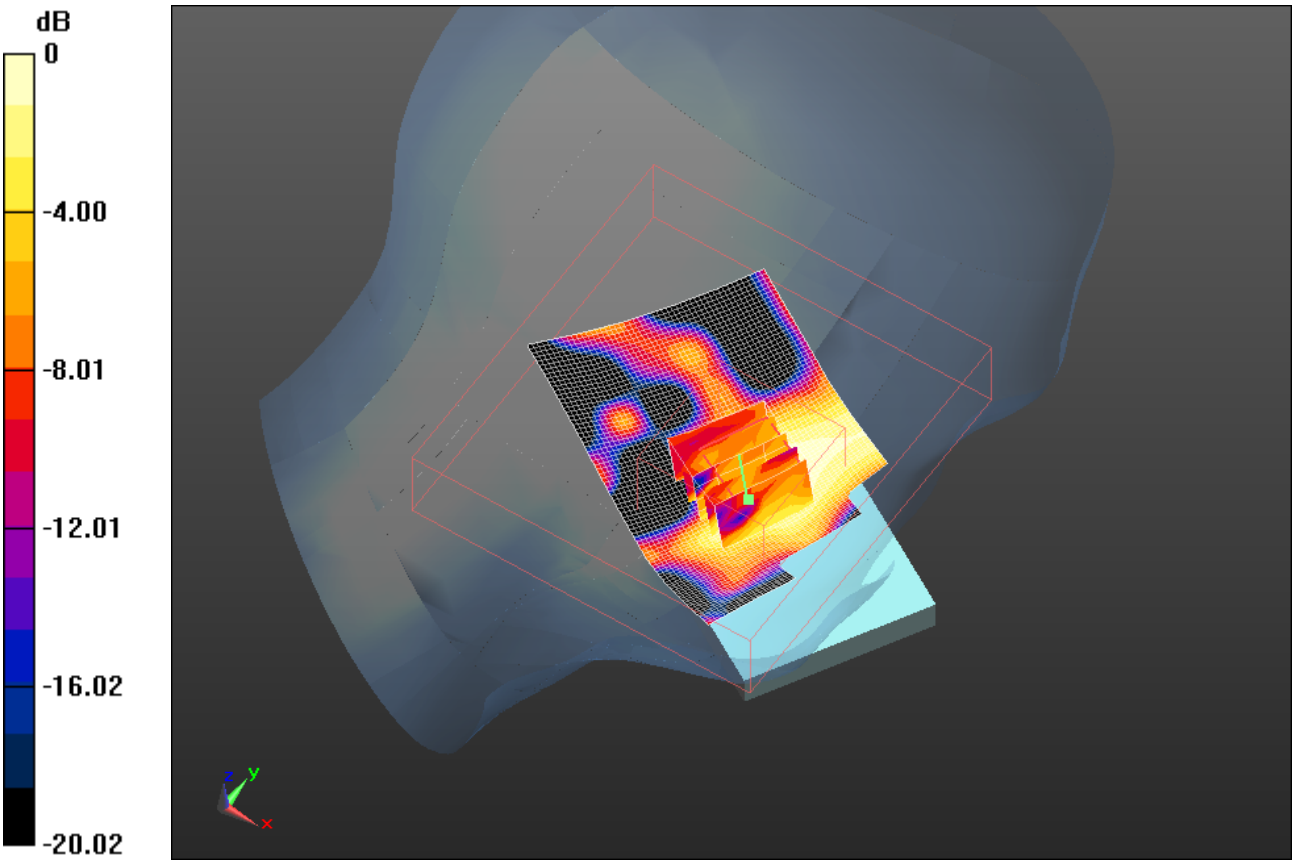

0 dB = 0.0036mW/g

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Z axis plot for the worst case head configuration:

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