APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/28/2011 10:34:00 PM, Date/Time: 7/28/2011 10:39:08 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_23.0_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

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 = 0.898 mho/m; ε_r = 39.868; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

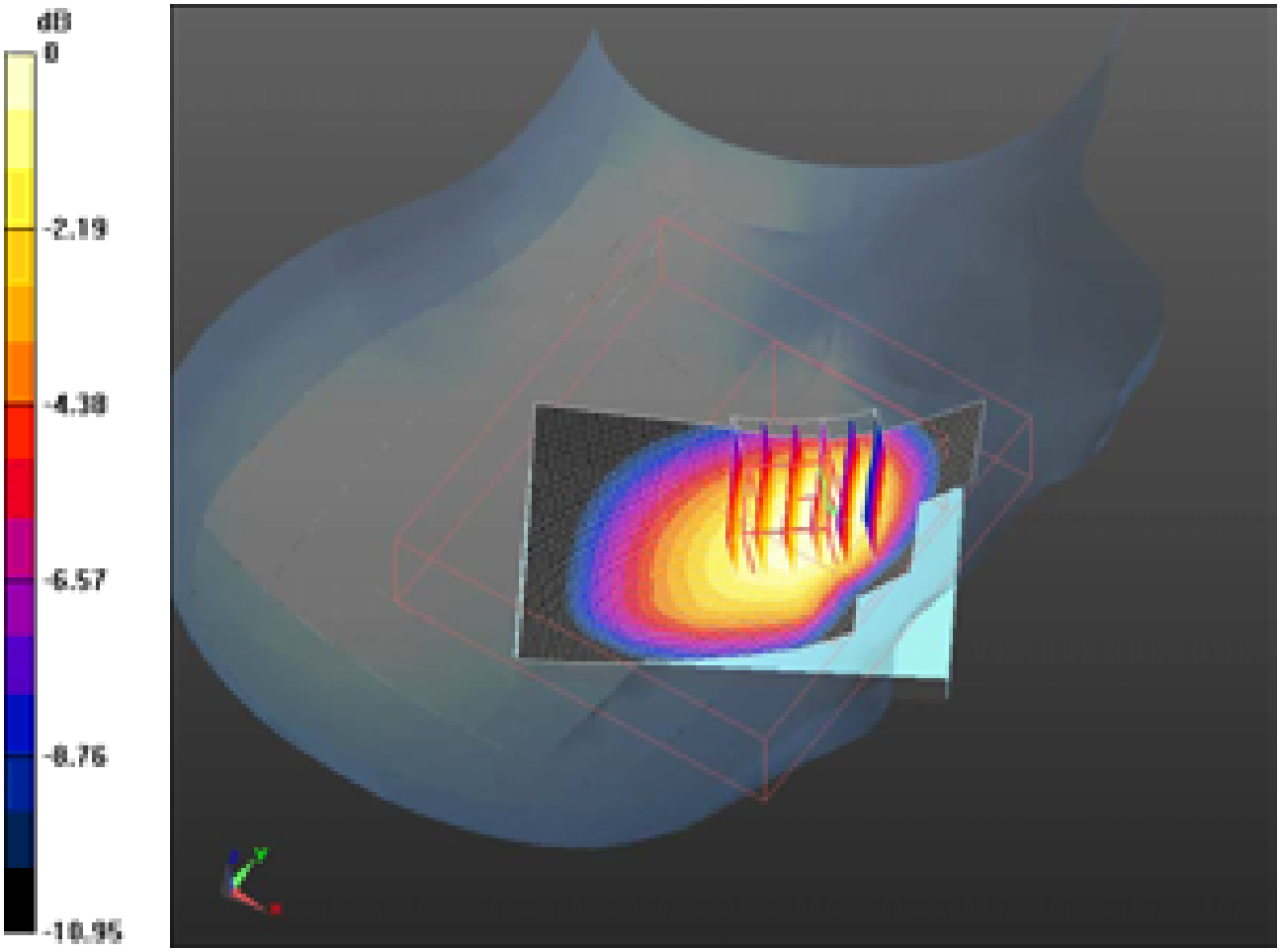
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.828 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.119 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.111 W/kg
SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.524 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.807 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.810mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/28/2011 11:39:55 PM, Date/Time: 7/28/2011 11:45:09 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.0_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

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 = 0.898 mho/m; ε_r = 39.868; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

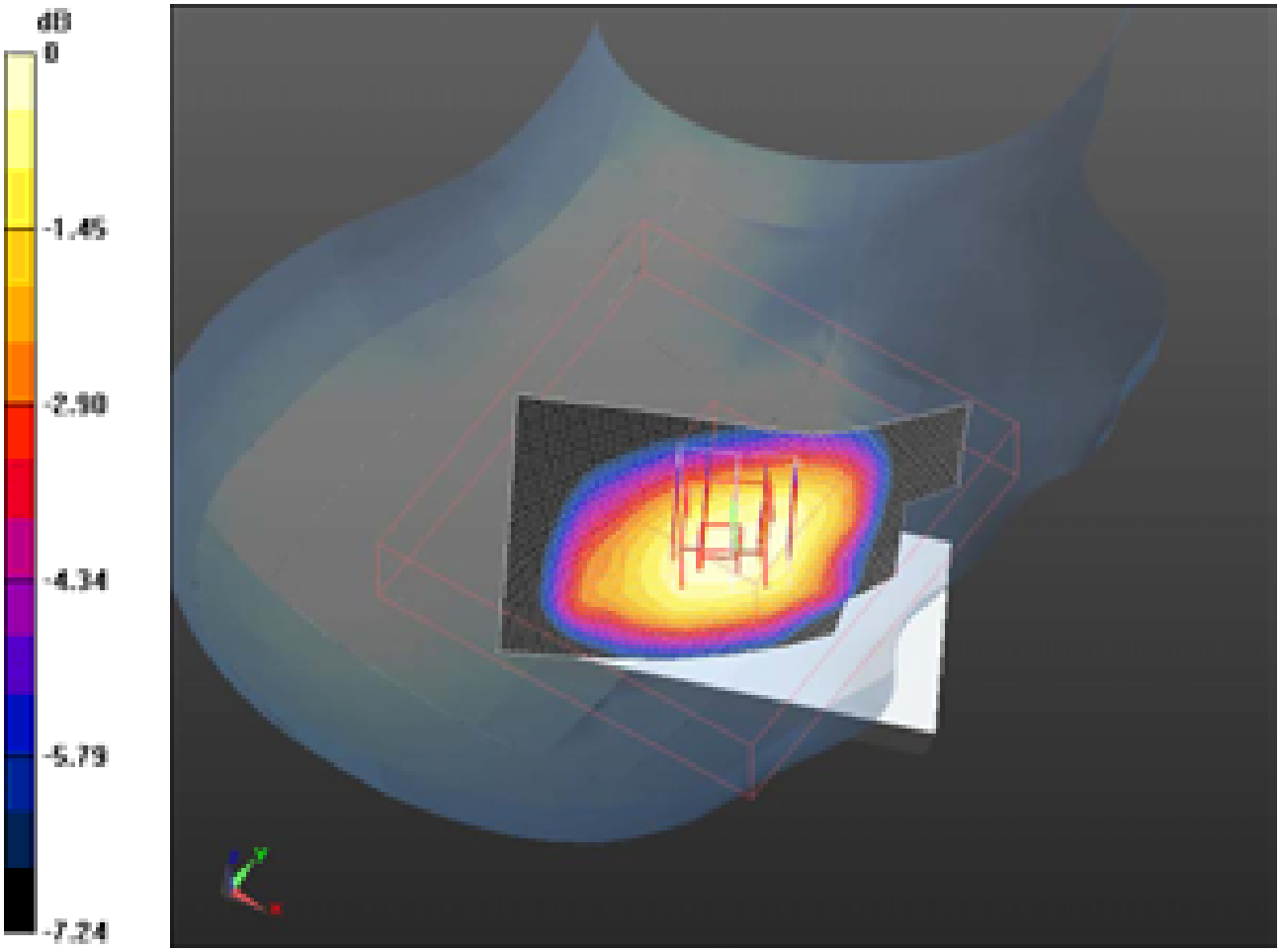
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.447 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.214 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.325 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.460 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.460mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/28/2011 11:20:14 PM, Date/Time: 7/28/2011 11:25:22 PM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_23.0_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

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 = 0.898 mho/m; ε_r = 39.868; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

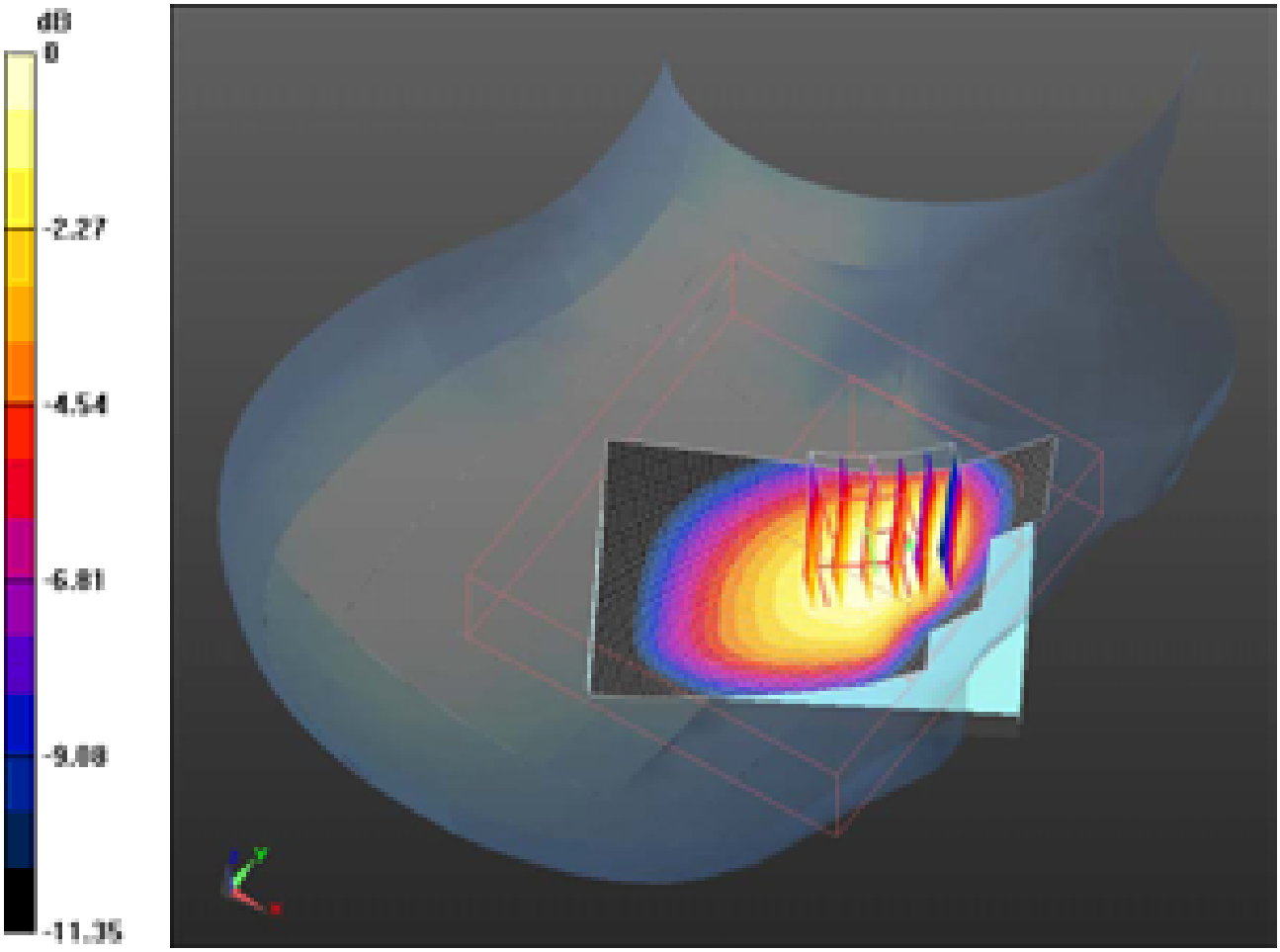
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.670 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.134 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.423 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.654 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.650mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/28/2011 9:44:42 PM, Date/Time: 7/28/2011 9:49:55 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_mid_chan_amb_temp_23.4_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

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 = 0.898 mho/m; ε_r = 39.868; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

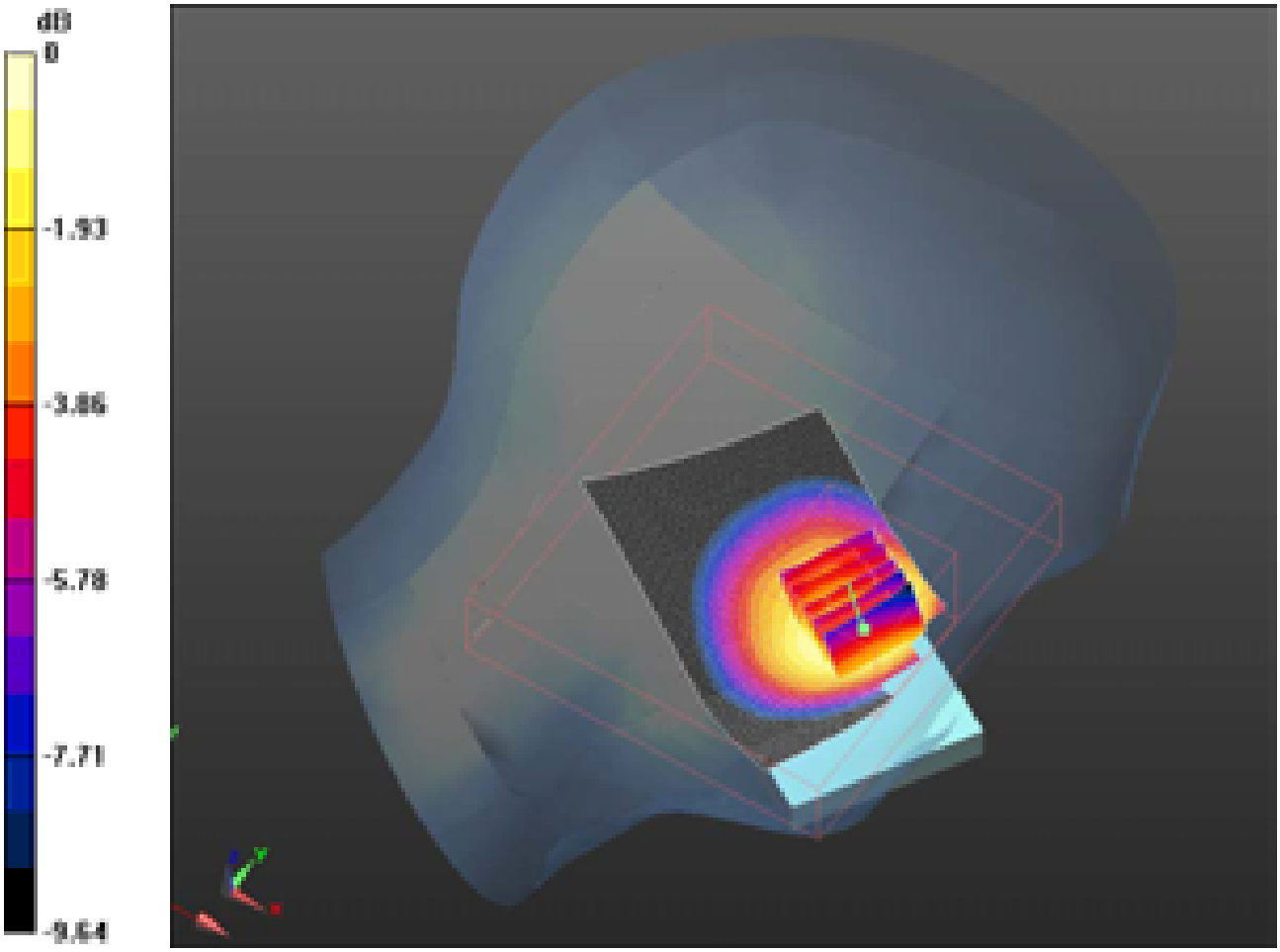
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.579 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.473 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.374 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.558 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.560mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/28/2011 10:05:30 PM, Date/Time: 7/28/2011 10:10:40 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.3_liq_temp_23.0 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

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 = 0.898 mho/m; ε_r = 39.868; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

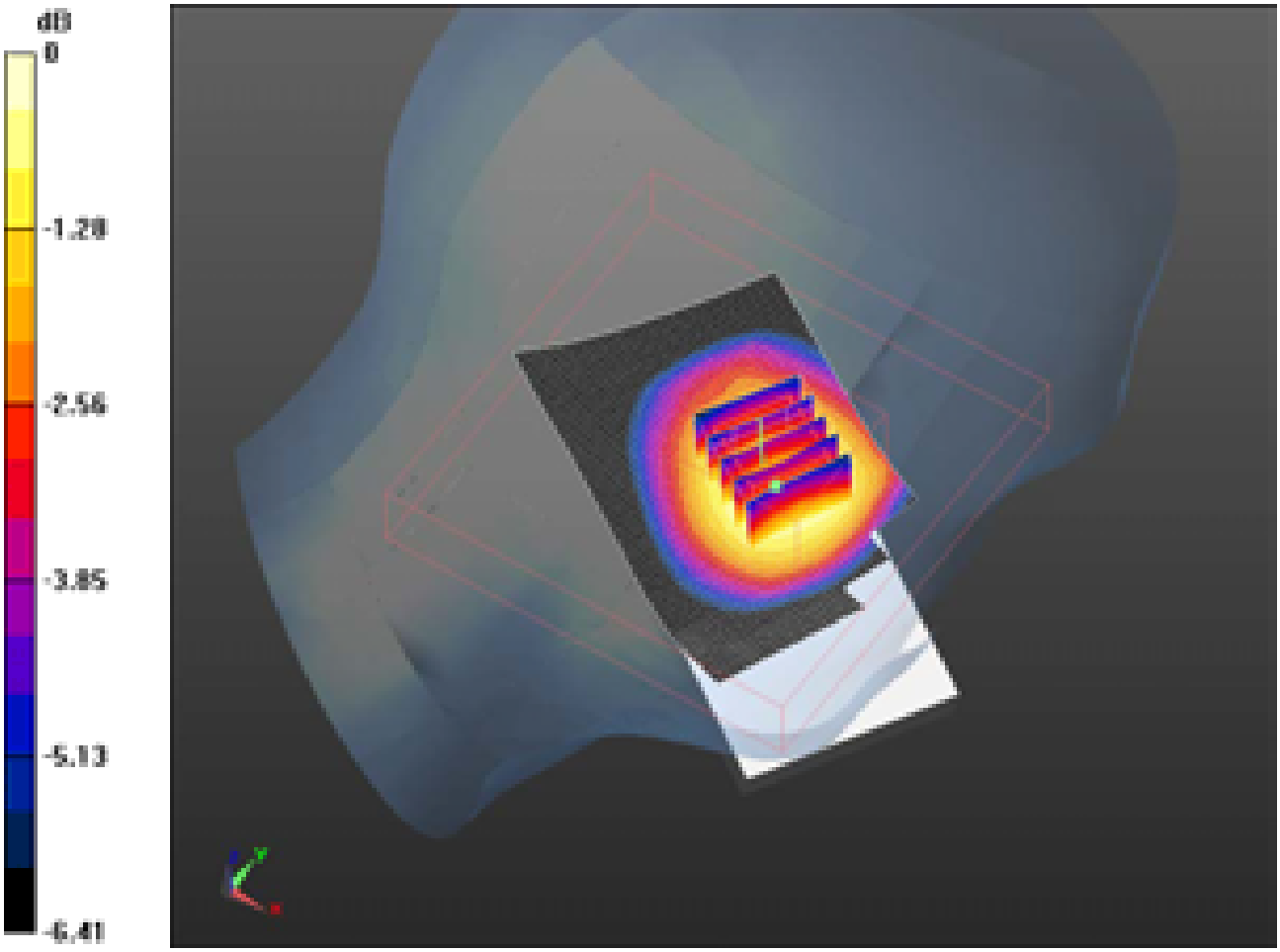
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.361 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.923 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.261 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.364 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.360mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 11:38:12 AM, Date/Time: 7/29/2011 11:43:20 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_low_chan_amb_temp_23.3_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 826.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.9 mho/m; ε_r = 40.051; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

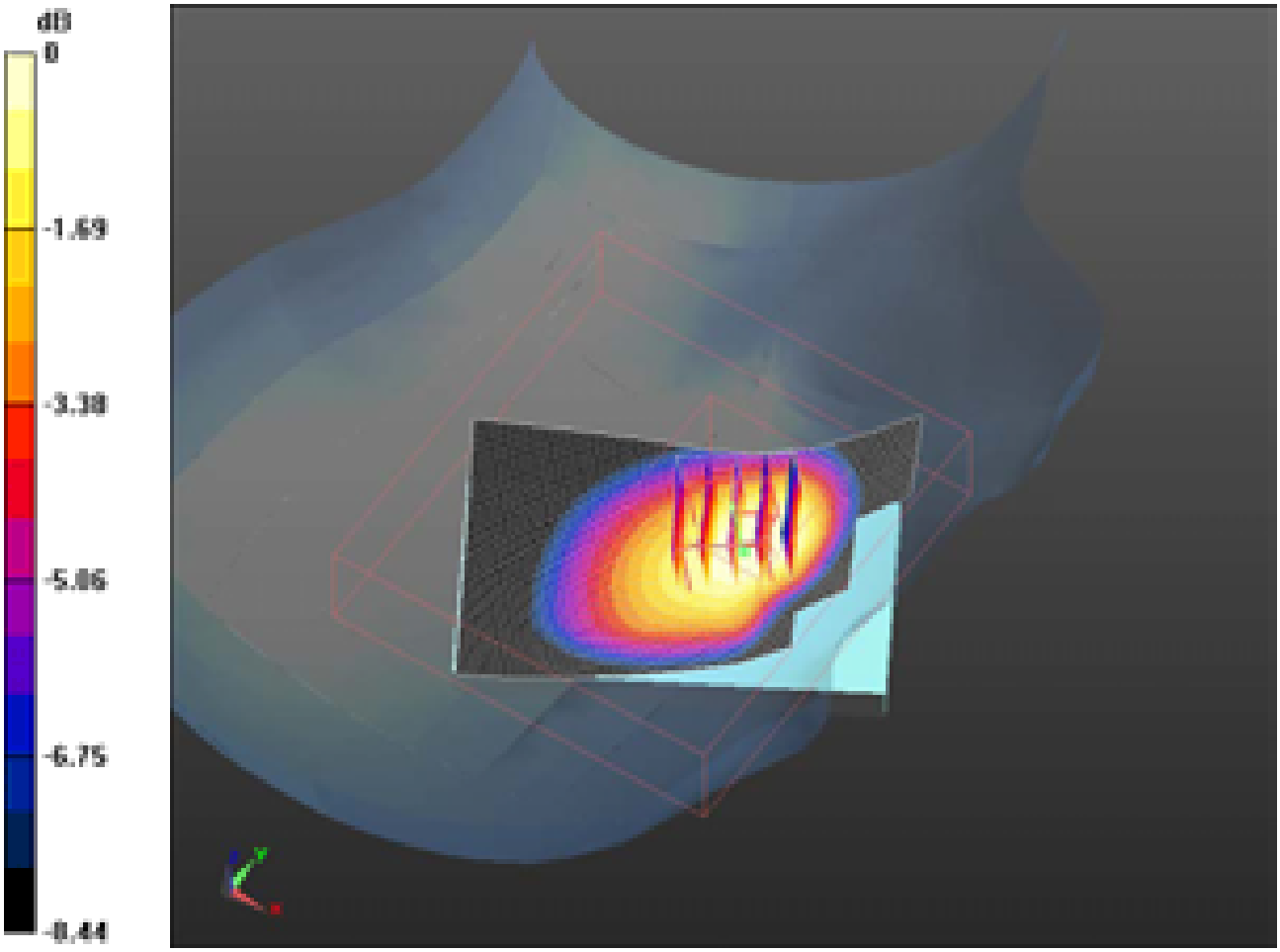
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.050 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.025 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.389 W/kg
SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.662 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.024 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.020mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 11:07:38 AM, Date/Time: 7/29/2011 11:12:45 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_mid_chan_amb_temp_23.4_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.898 mho/m; ε_r = 39.873; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

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

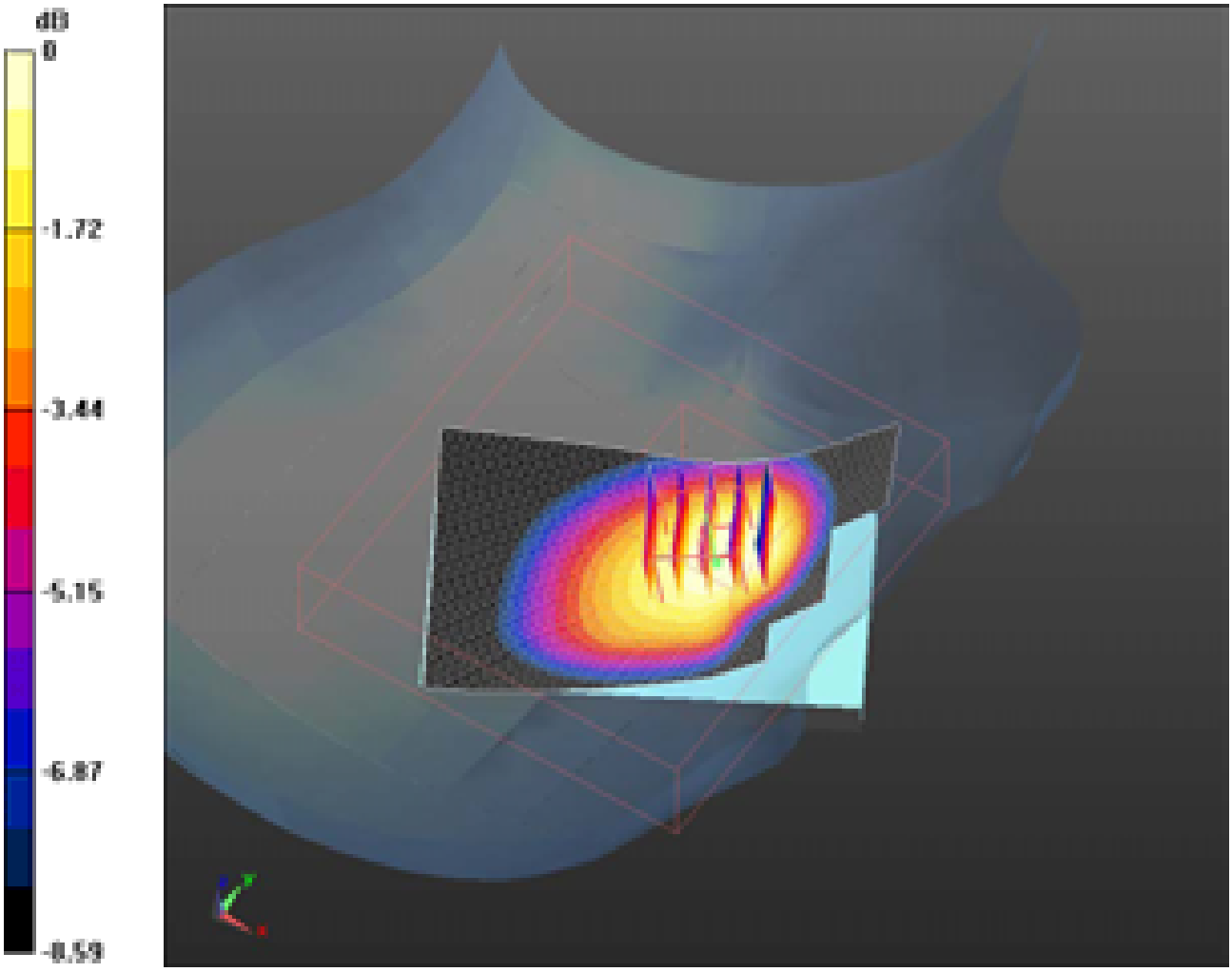
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.183 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.796 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.558 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.742 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.155 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.160mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 2:20:02 PM, Date/Time: 7/29/2011 2:25:07 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_high_chan_amb_temp_23.3_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.898 mho/m; ε_r = 39.767; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.11, 6.11, 6.11); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

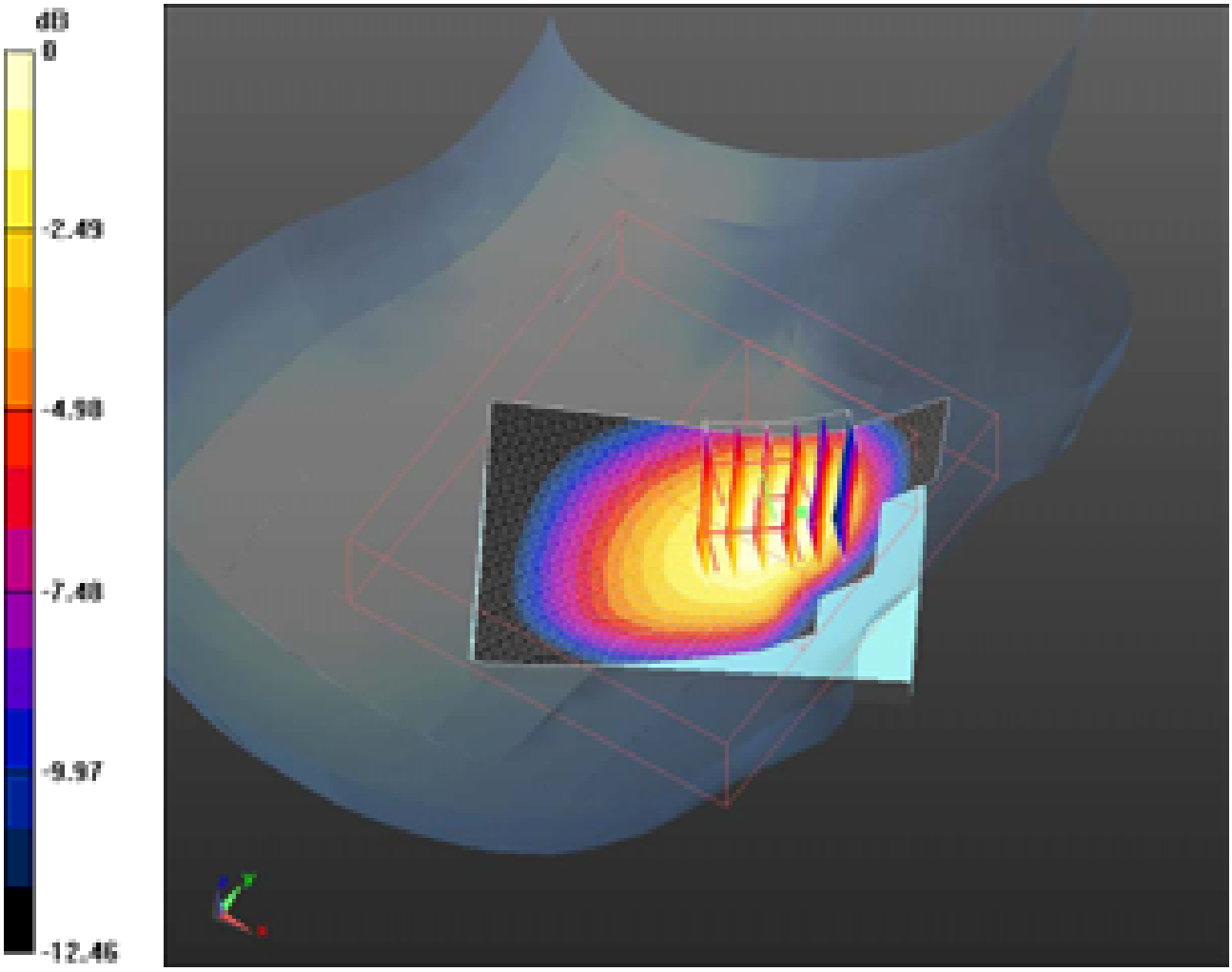
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.137 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.142 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.549 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.700 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.107 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.110mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 2:34:19 PM, Date/Time: 7/29/2011 2:39:39 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_23.2_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.898 mho/m; ε_r = 39.873; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

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

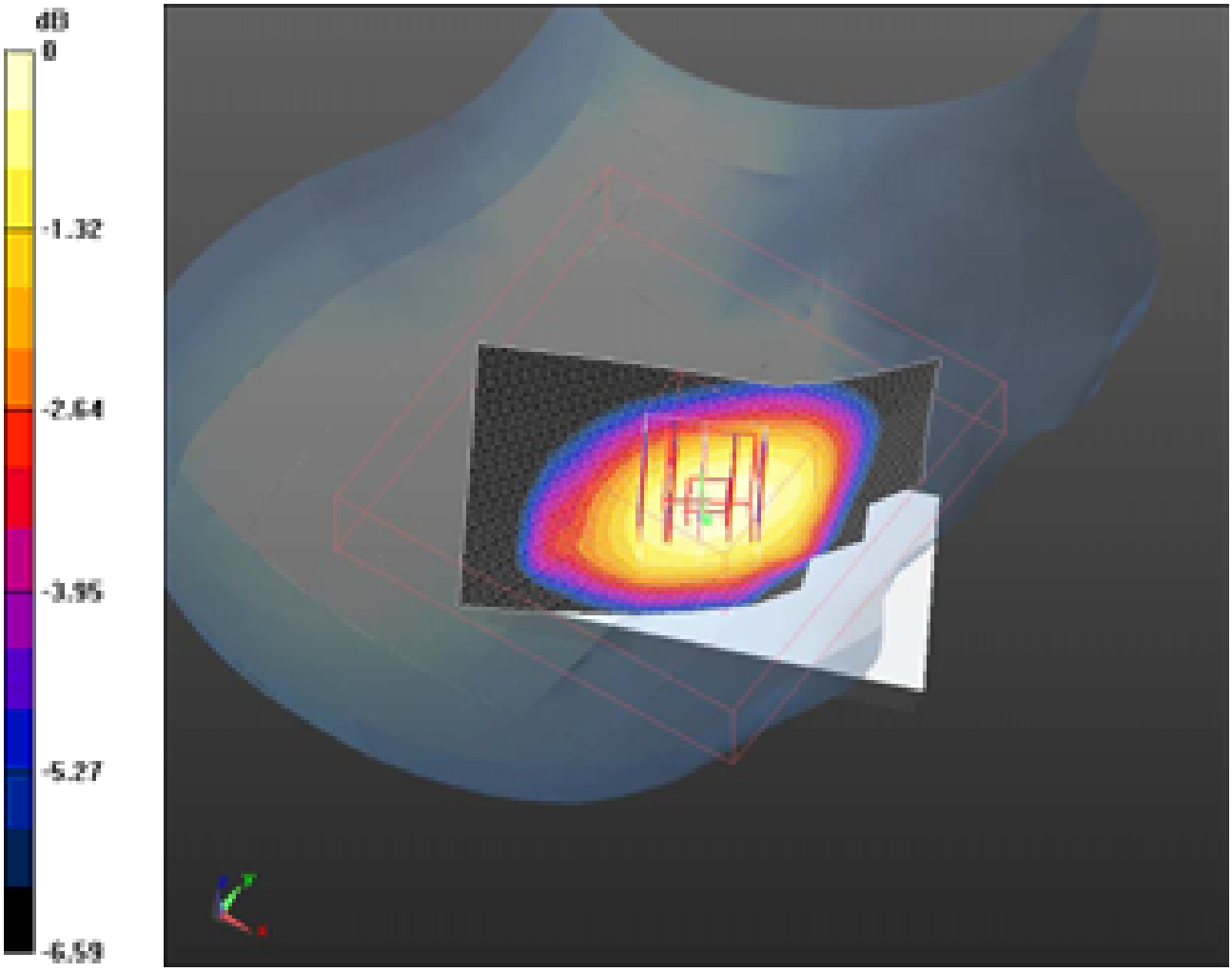
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.035 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.696 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.422 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.588 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.590mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/15/2011 2:06:29 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_UMTS_band_V_mid_chan_amb_temp_24.1_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.939 mho/m; ε_r = 39.875; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.11, 6.11, 6.11); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

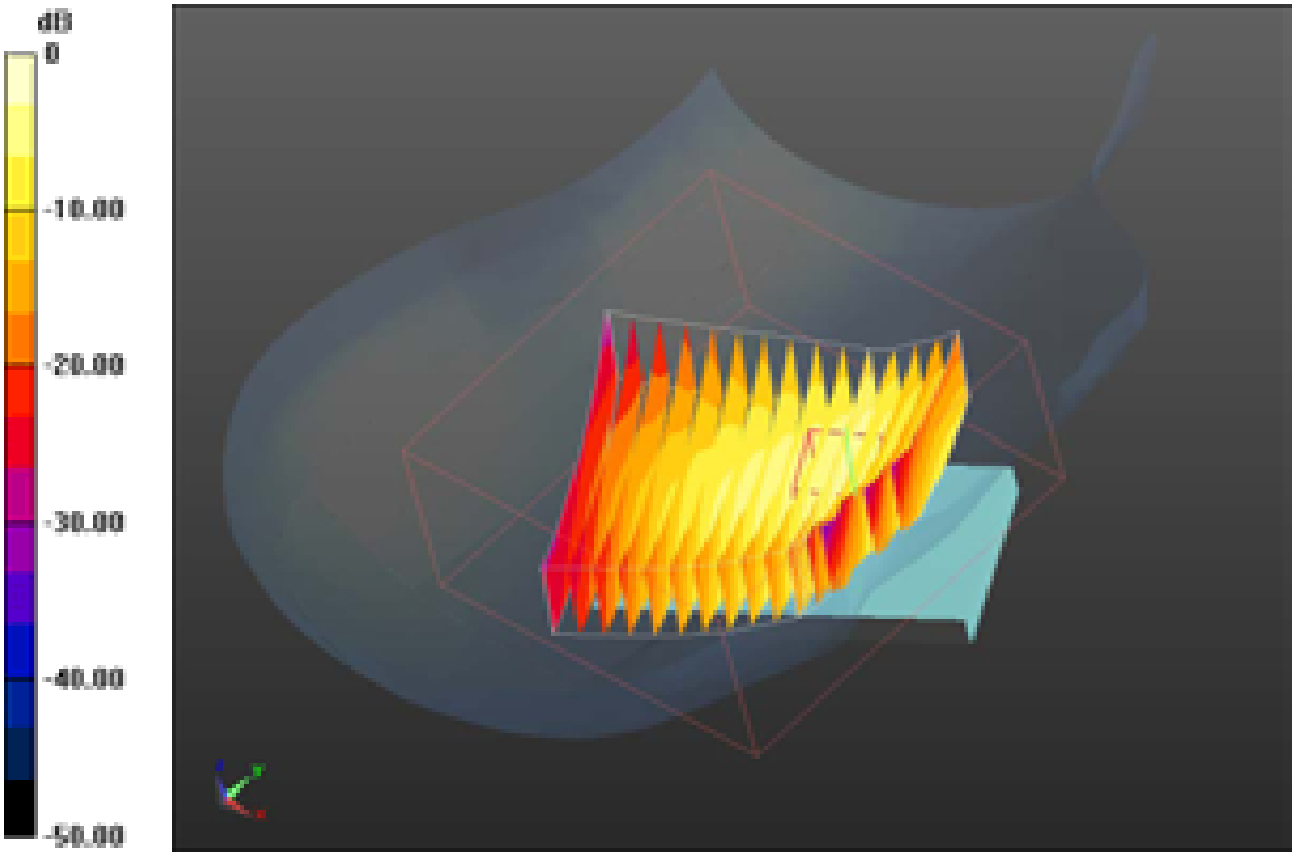
Configuration/Touch position - 2/Volume Scan (13x15x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.940 V/m; Power Drift = -0.63 dB
Peak SAR (extrapolated) = 1.706 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.800 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.324 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.320mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 3:22:49 PM, Date/Time: 7/29/2011 3:28:00 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_low_chan_amb_temp_23.1_liq_temp_23.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.9 mho/m; ε_r = 40.051; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

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

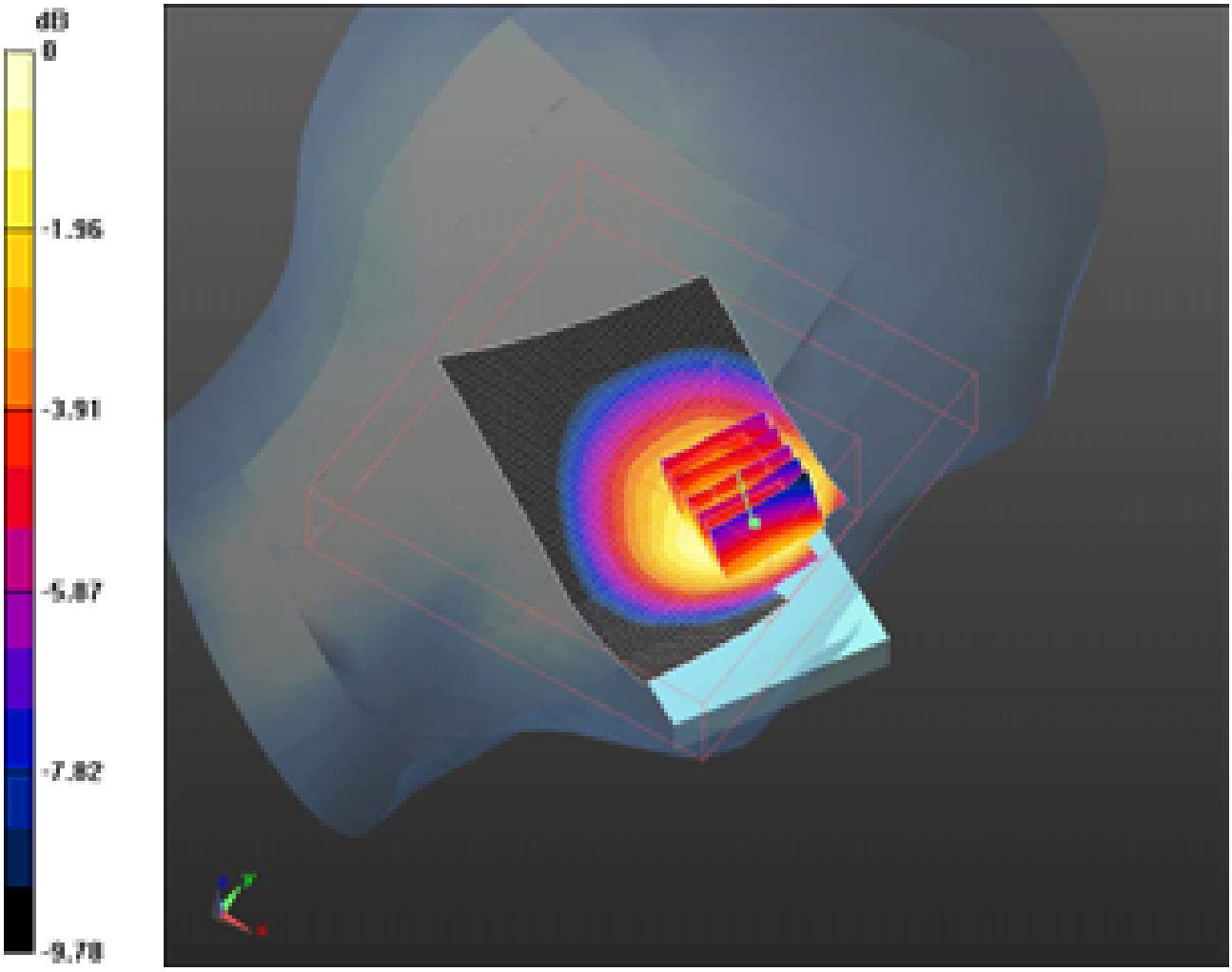
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.802 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.715 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.986 W/kg
SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.514 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.767 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.770mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 3:04:01 PM, Date/Time: 7/29/2011 3:09:13 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_mid_chan_amb_temp_23.1_liq_temp_23.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.898 mho/m; ε_r = 39.873; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

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

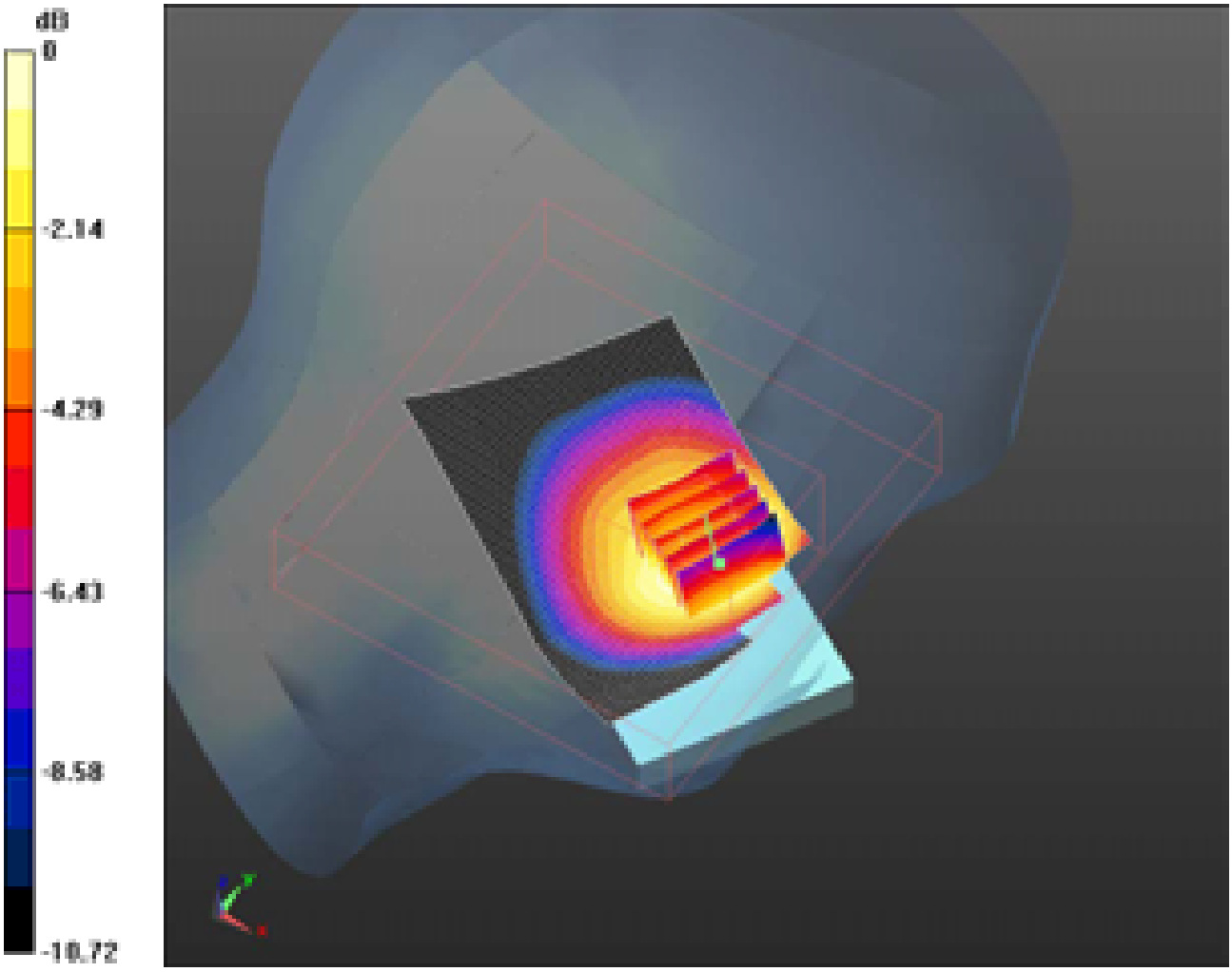
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.918 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.601 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.123 W/kg
SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.588 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.882 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.880mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 7/29/2011 3:34:46 PM, Date/Time: 7/29/2011 3:39:58 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_high_chan_amb_temp_23.2_liq_temp_23.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.898 mho/m; ε_r = 39.767; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.11, 6.11, 6.11); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

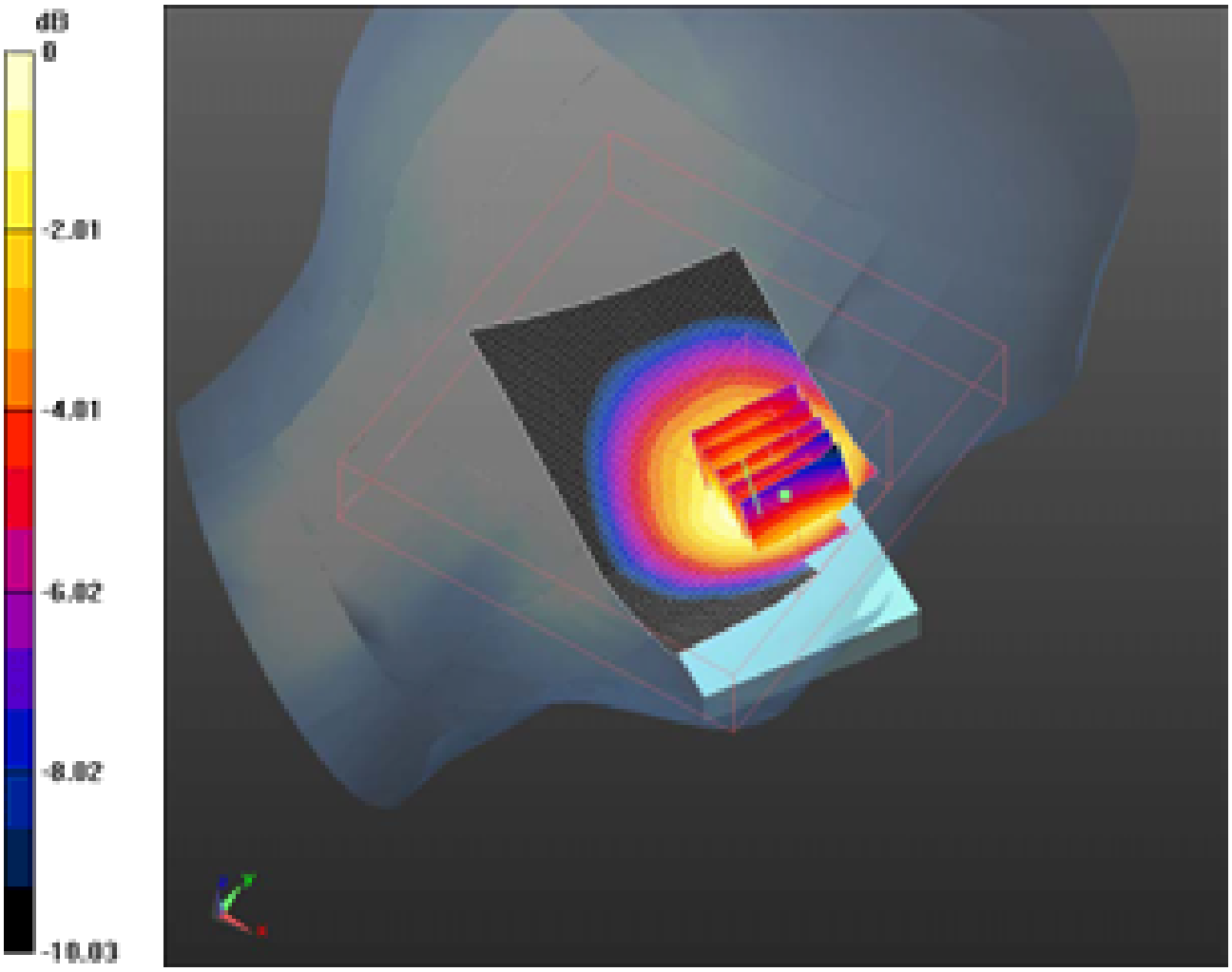
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.788 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.655 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.973 W/kg
SAR(1 g) = 0.721 mW/g; SAR(10 g) = 0.508 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.754 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.750mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/2/2011 11:27:51 PM, Date/Time: 8/2/2011 11:33:01 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_22.6_liq_temp _22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.873 mho/m; ε_r = 41.546; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

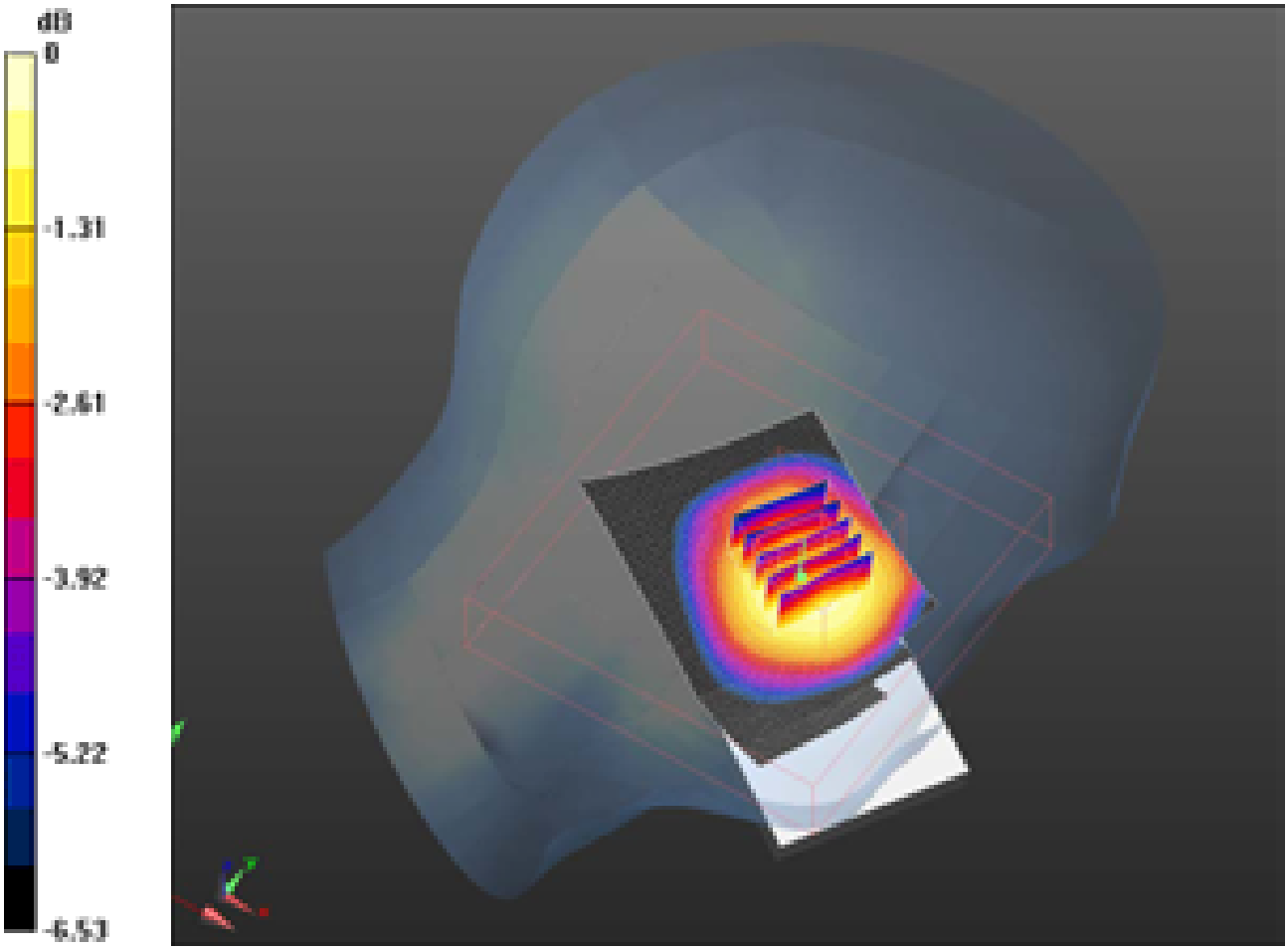
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.471 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.681 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.334 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.474 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.470mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 11:20:16 PM, Date/Time: 8/11/2011 11:25:20 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_low_chan_amb_temp_23.3_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1850.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.317 mho/m; ε_r = 38.56; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

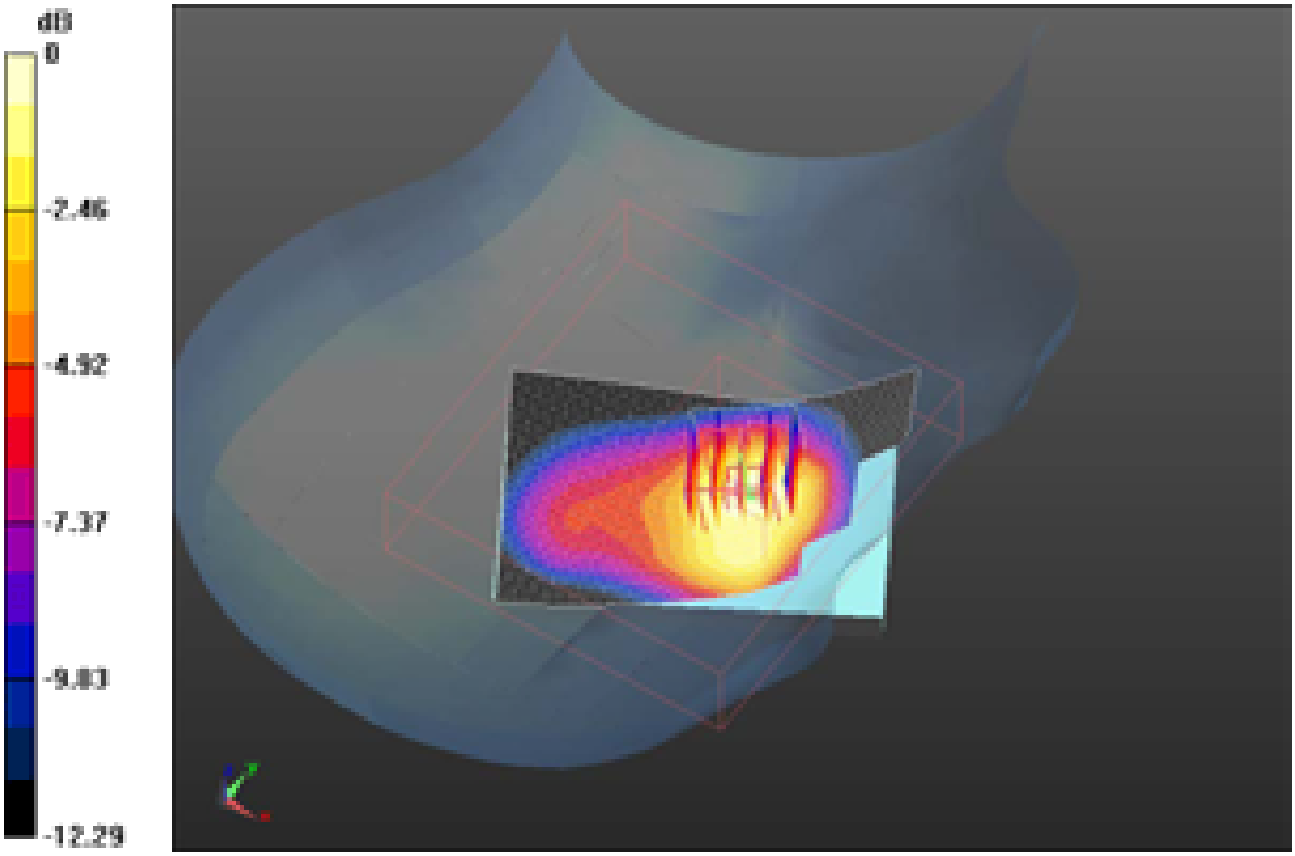
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.042 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.280 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.195 W/kg
SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.535 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.002 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.000mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 10:33:37 PM, Date/Time: 8/11/2011 10:38:42 PM, Date/Time: 8/11/2011 10:43:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_22.4_liq_temp_22.2 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.348 mho/m; ε_r = 38.449; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

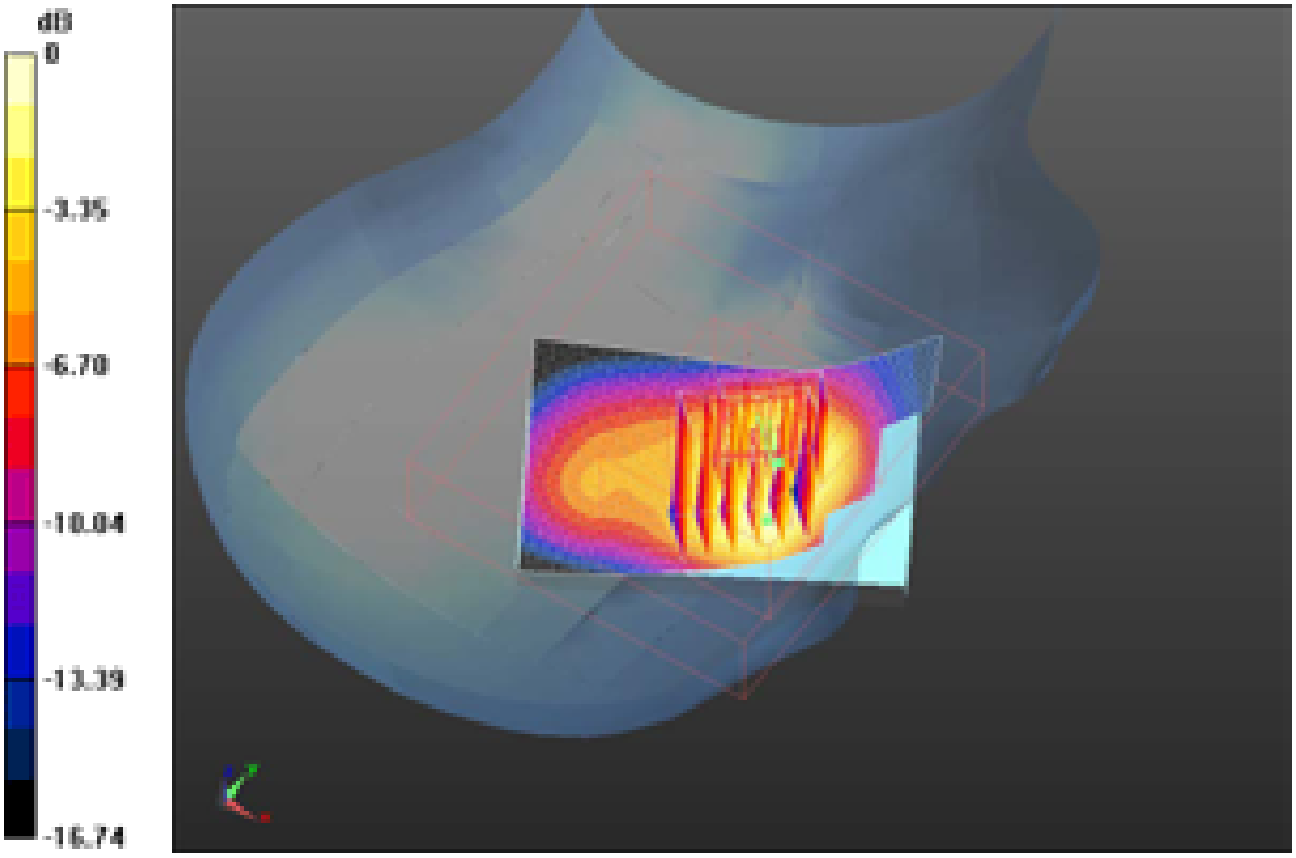
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.093 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.601 V/m; Power Drift = 0.0098 dB
Peak SAR (extrapolated) = 1.305 W/kg
SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.576 mW/g
Maximum value of SAR (measured) = 1.049 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.601 V/m; Power Drift = 0.03 dB

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Peak SAR (extrapolated) = 1.305 W/kg
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.570 mW/g
Maximum value of SAR (measured) = 1.059 mW/g



0 dB = 1.060mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 11:37:42 PM, Date/Time: 8/11/2011 11:42:46 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.3_liq_temp_22.5 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.39 mho/m; ε_r = 38.299; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

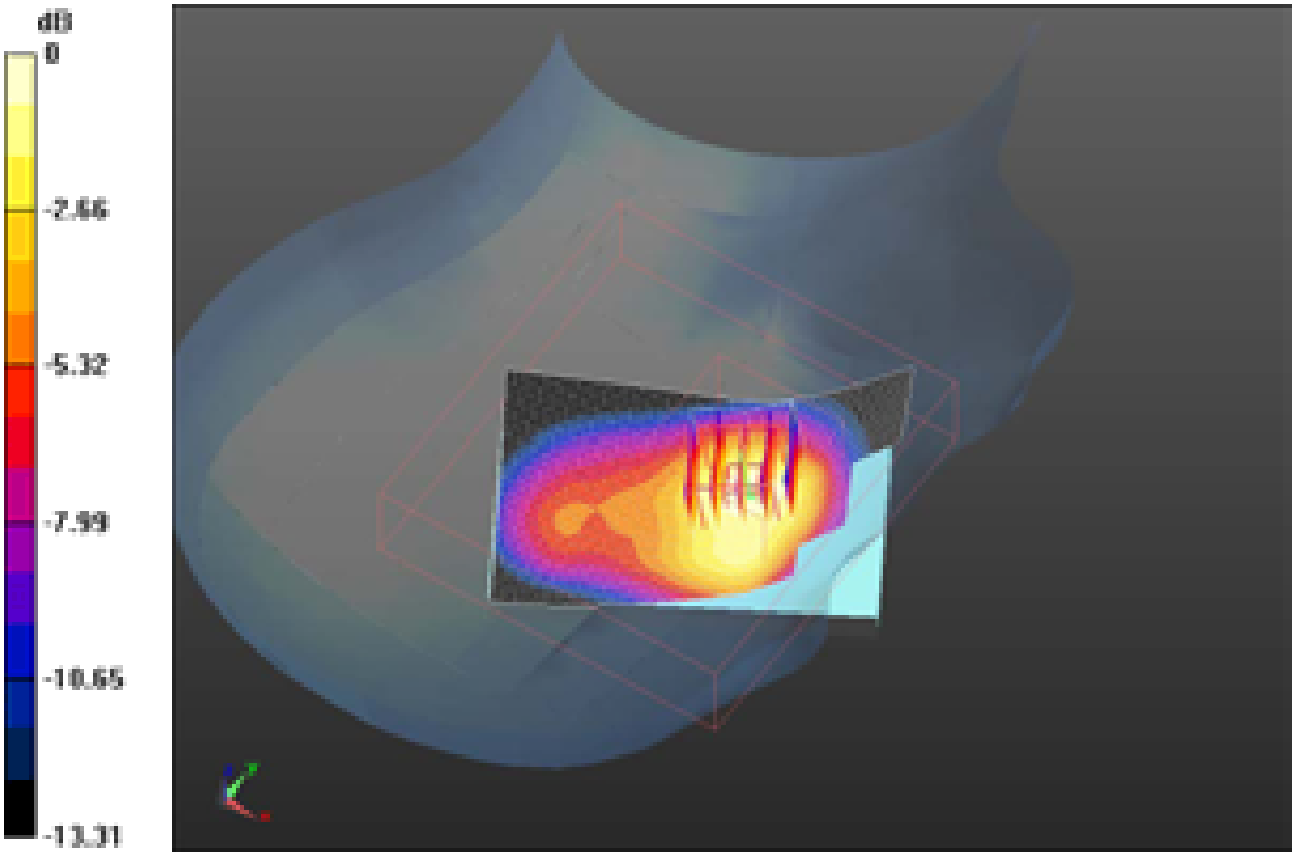
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.336 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.287 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.564 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.668 mW/g
Maximum value of SAR (measured) = 1.271 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.270mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 11:54:40 PM, Date/Time: 8/11/2011 11:59:45 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE1900_mid_chan_amb_temp_22.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.348 mho/m; ε_r = 38.449; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

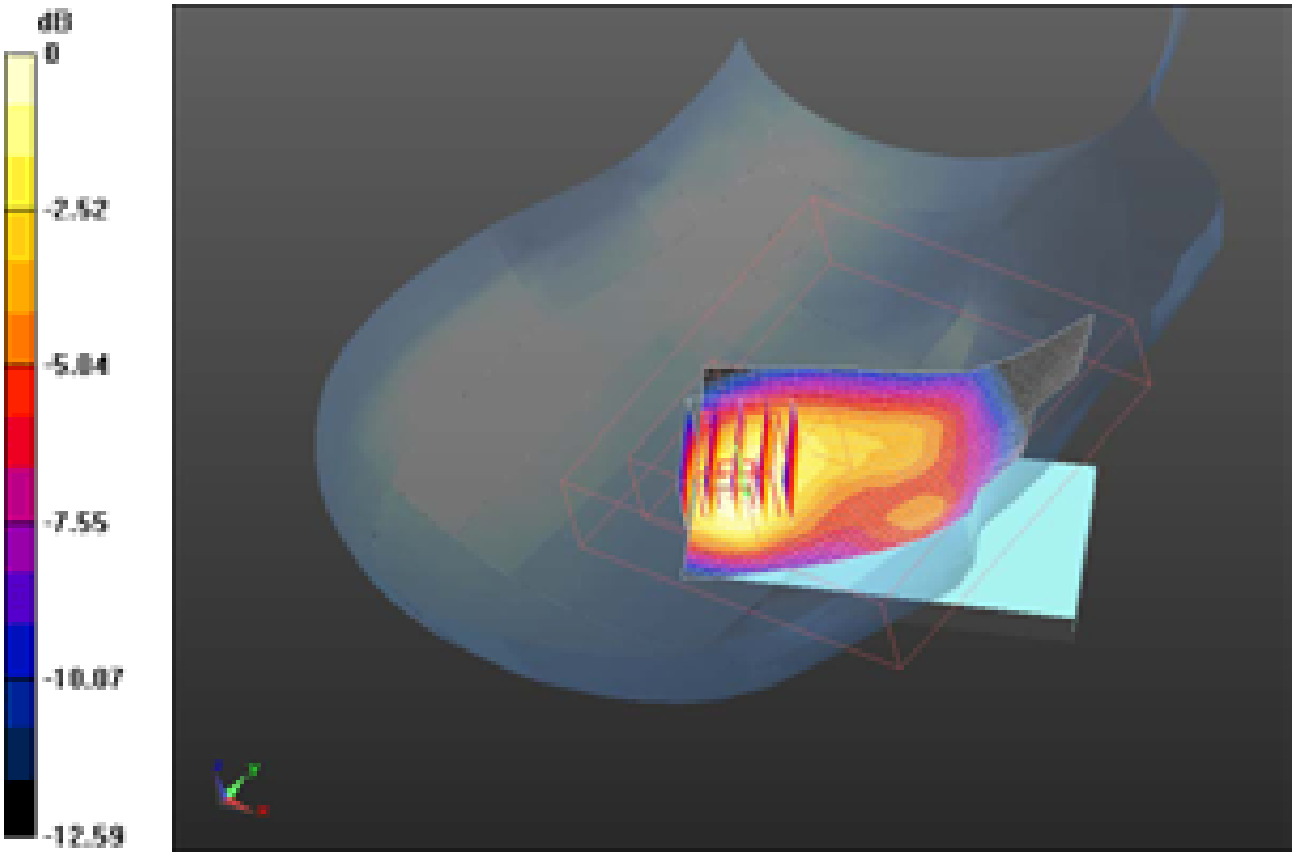
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 0.444 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.252 V/m; Power Drift = 0.0036 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.436 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.440mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 8:10:33 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_EDGE1900_high_chan_amb_temp_23.2 _liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

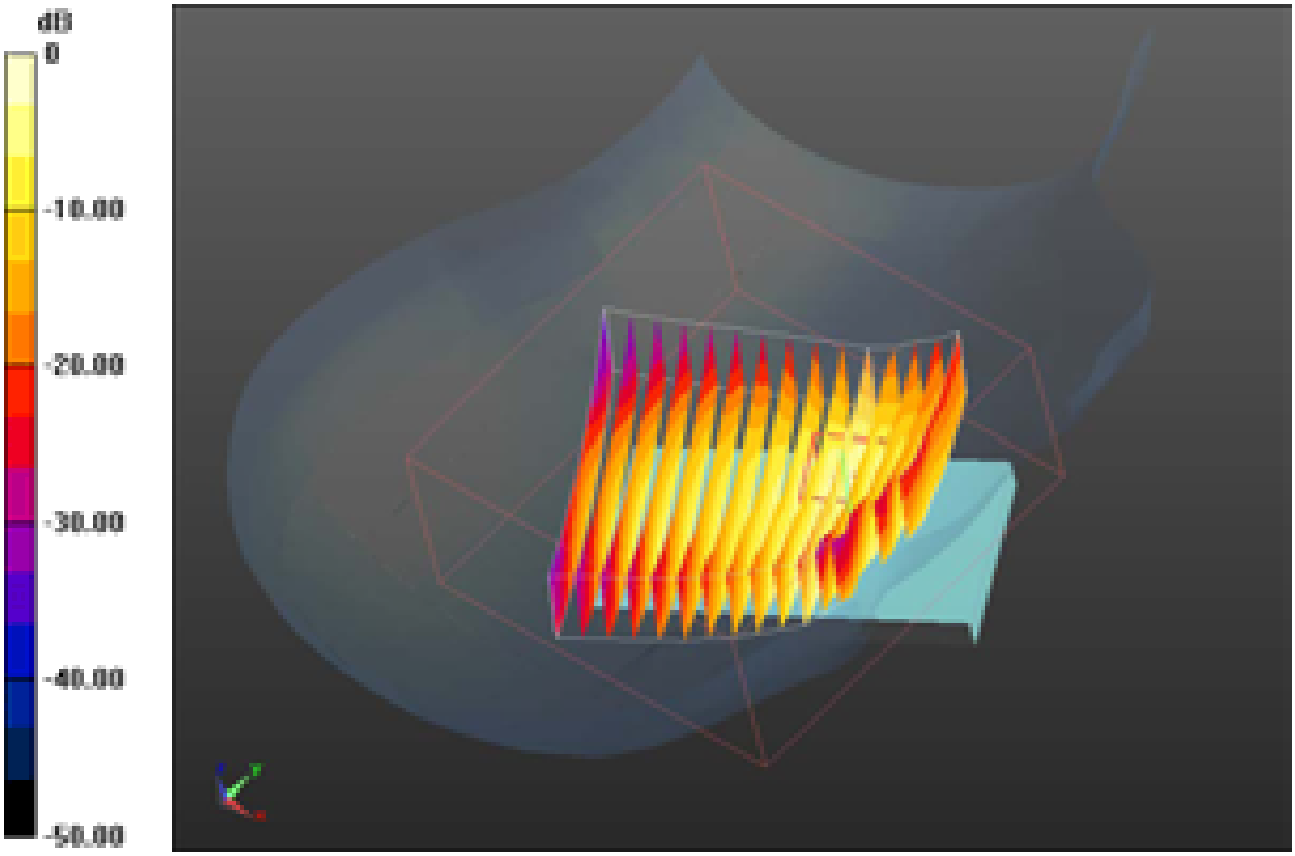
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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 - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.846 V/m; Power Drift = 0.0046 dB
Peak SAR (extrapolated) = 1.483 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.625 mW/g

Maximum value of SAR (measured) = 1.177 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.180mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 9:32:47 PM, Date/Time: 8/11/2011 9:37:56 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_low_chan_amb_temp_22.6_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1850.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.317 mho/m; ε_r = 38.56; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

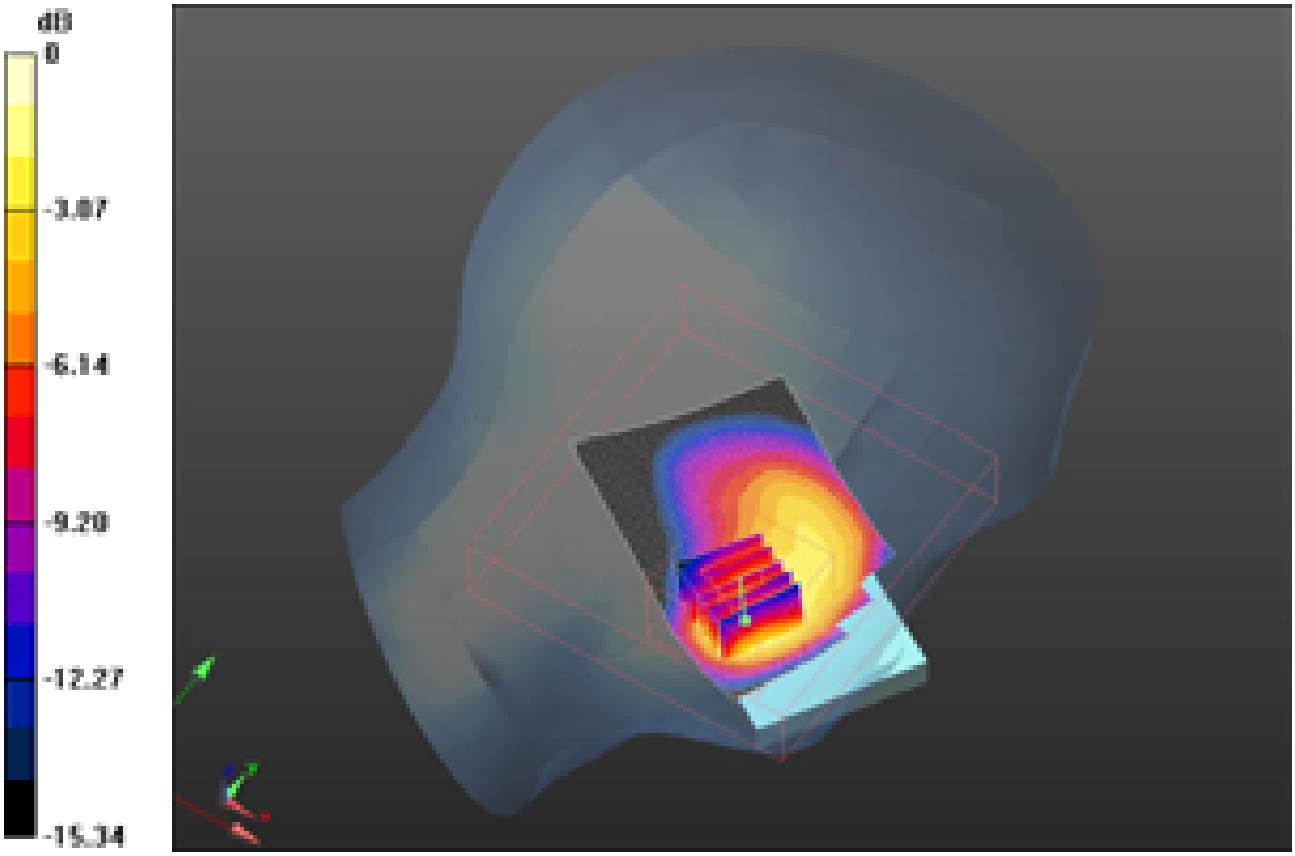
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.180 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.046 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.618 W/kg
SAR(1 g) = 0.967 mW/g; SAR(10 g) = 0.535 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.193 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.190mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 9:11:08 PM, Date/Time: 8/11/2011 9:16:15 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_22.9_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.348 mho/m; ε_r = 38.449; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

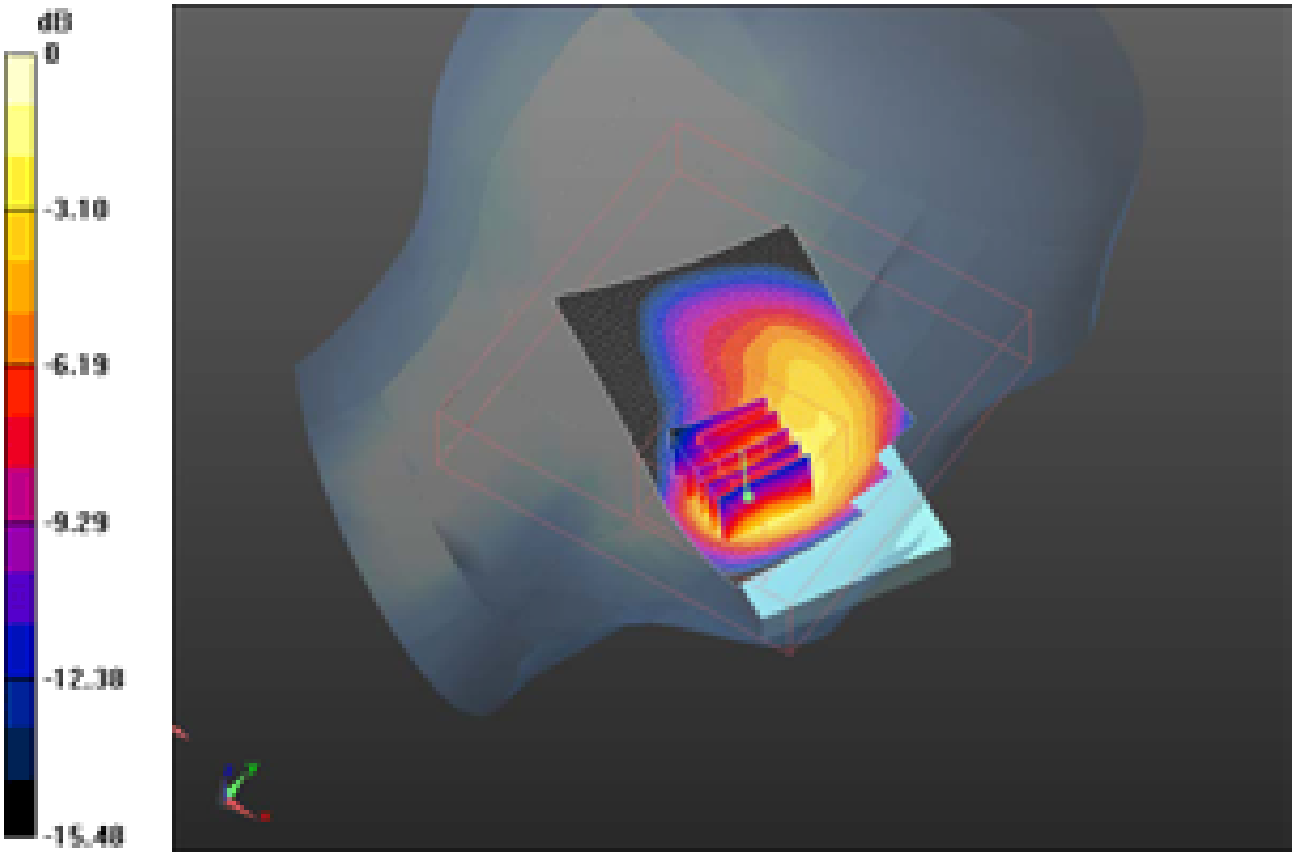
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.458 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.442 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.023 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.655 mW/g
Maximum value of SAR (measured) = 1.473 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.470mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 9:49:00 PM, Date/Time: 8/11/2011 9:54:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_high_chan_amb_temp_22.4_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.39 mho/m; ε_r = 38.299; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

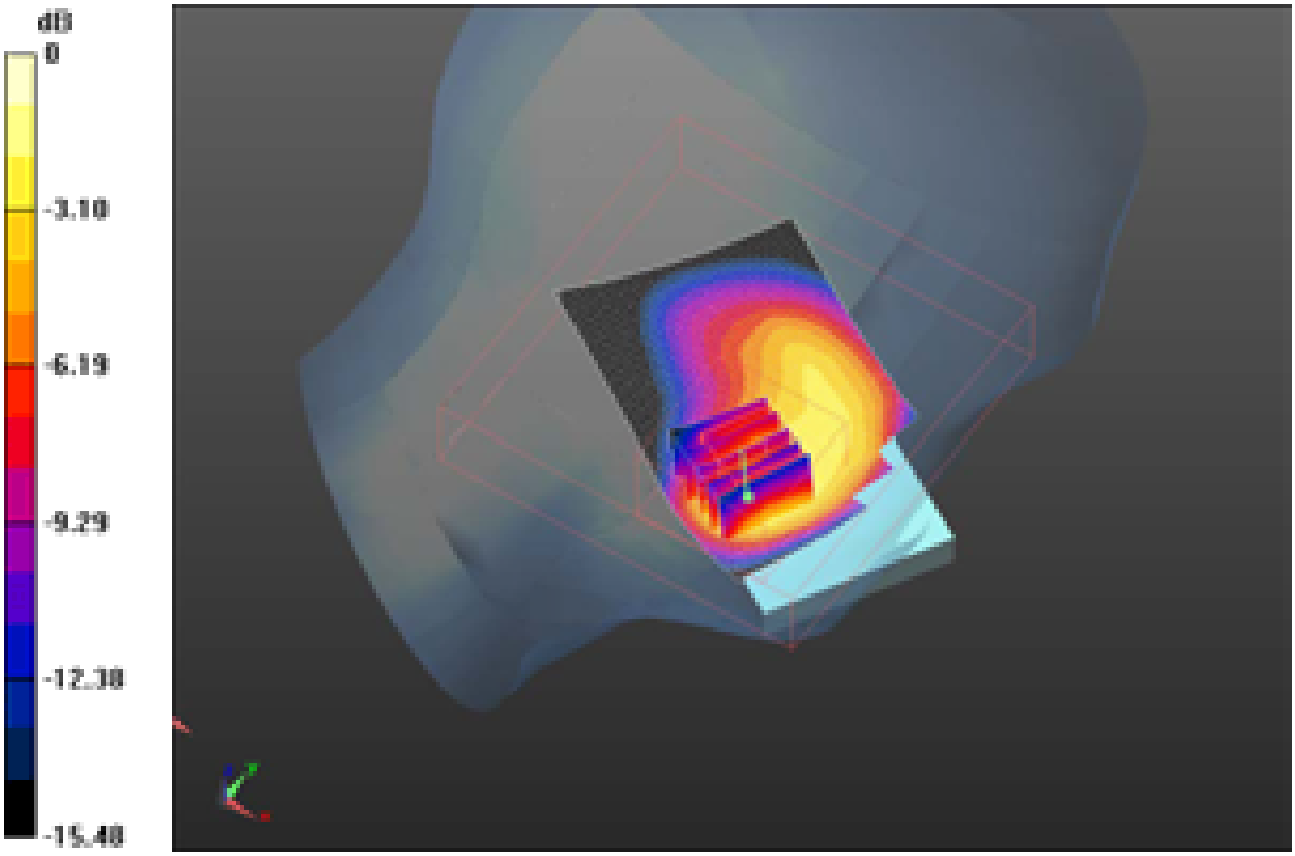
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.625 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.162 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.264 W/kg
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.732 mW/g
Maximum value of SAR (measured) = 1.626 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.630mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/11/2011 10:10:39 PM, Date/Time: 8/11/2011 10:15:46 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.8_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.348 mho/m; ε_r = 38.449; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

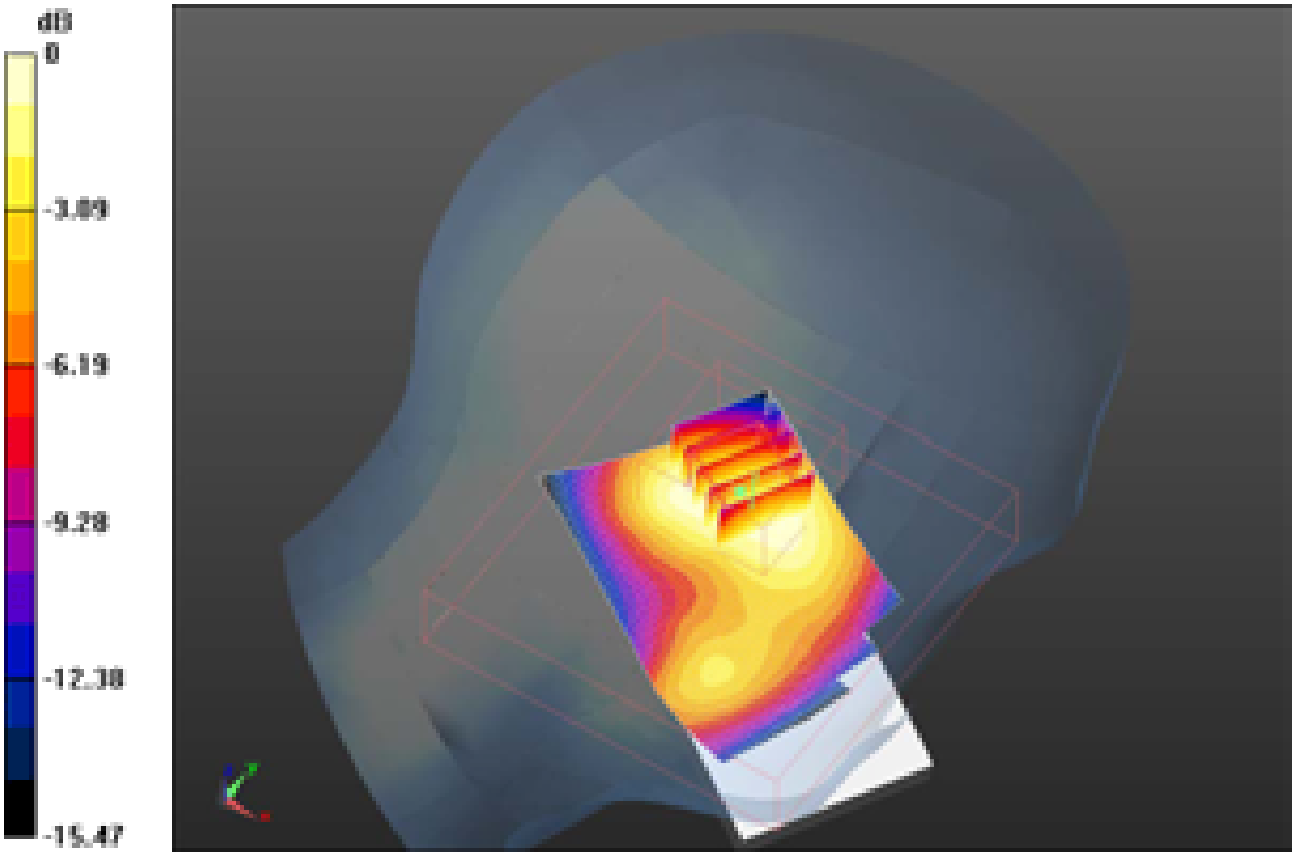
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 0.467 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.522 V/m; Power Drift = 0.0018 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.427 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.430mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/12/2011 12:43:28 AM, Date/Time: 8/12/2011 12:48:37 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_high_chan_amb_temp_22.5_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27DD7A26

Communication System: GSM 1900; Communication System Band: GSM 1900;
Frequency: 1909.8 MHz;Communication System PAR: 9.191 dB
Medium parameters used: f = 1910 MHz; σ = 1.39 mho/m; ε_r = 38.299; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

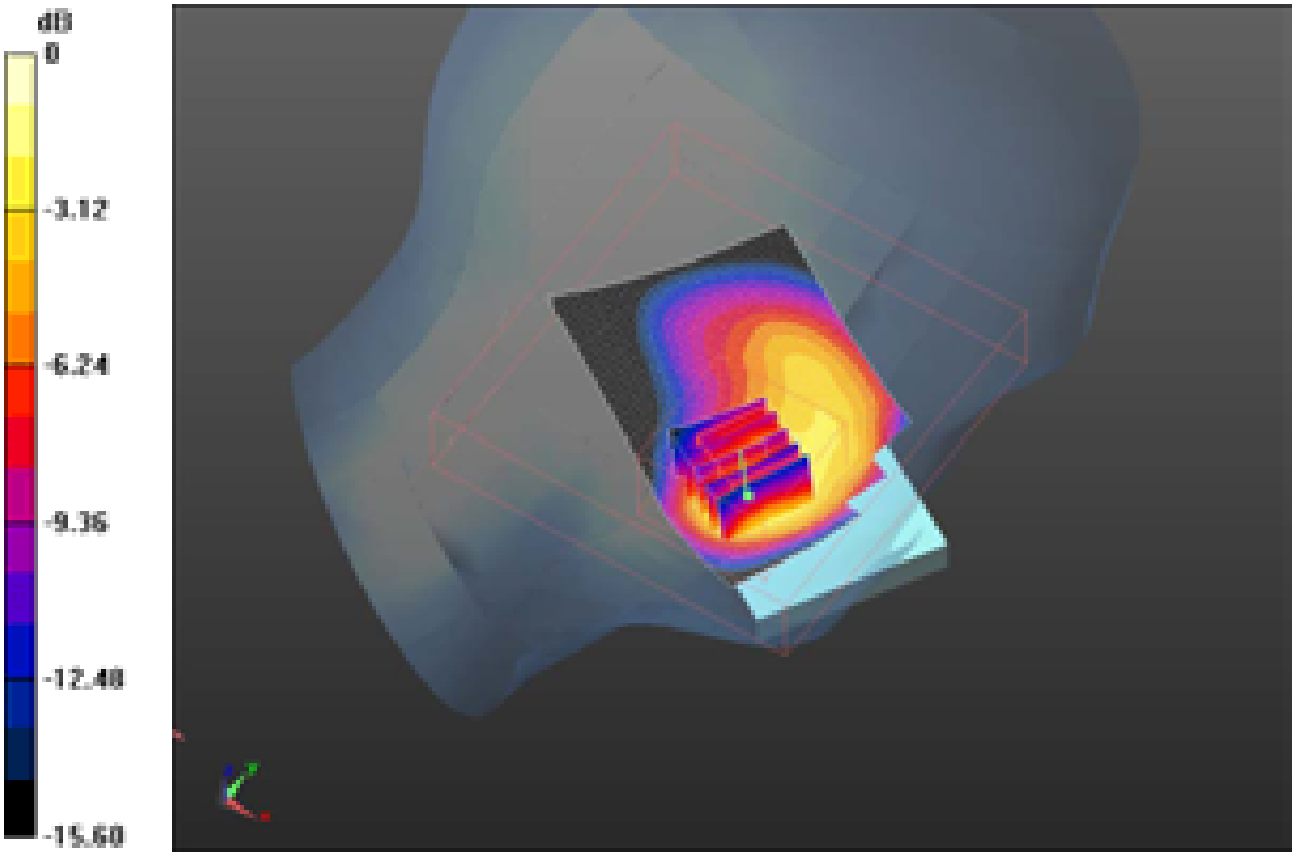
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.508 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.793 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.163 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.680 mW/g
Maximum value of SAR (measured) = 1.566 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.570mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 9:43:51 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_EDGE1900_high_chan_amb_temp_23.5_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

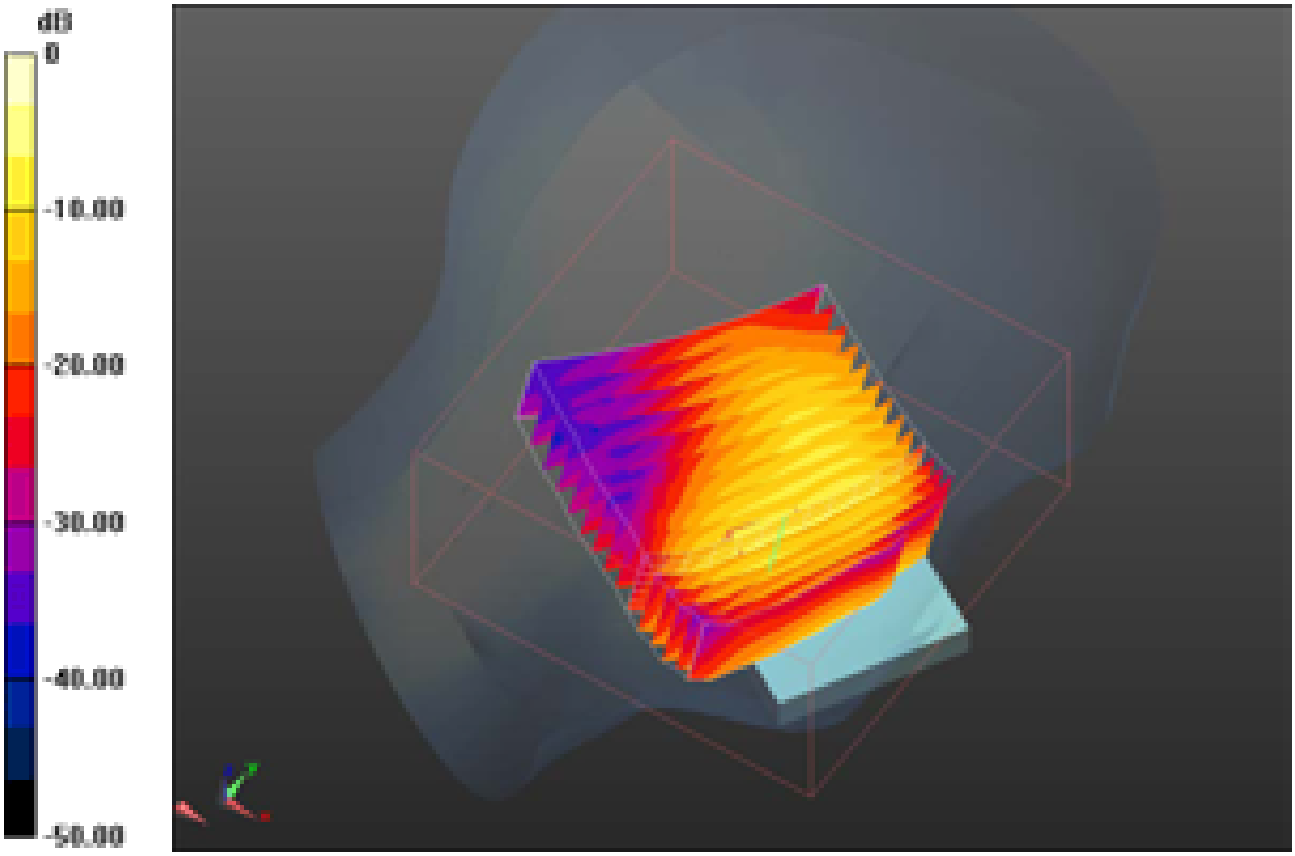
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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 - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.149 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.140 W/kg
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.677 mW/g

Maximum value of SAR (measured) = 1.472 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.470mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 7:40:03 PM, Date/Time: 9/13/2011 7:45:06 PM, Date/Time: 9/13/2011 7:51:12 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.2_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

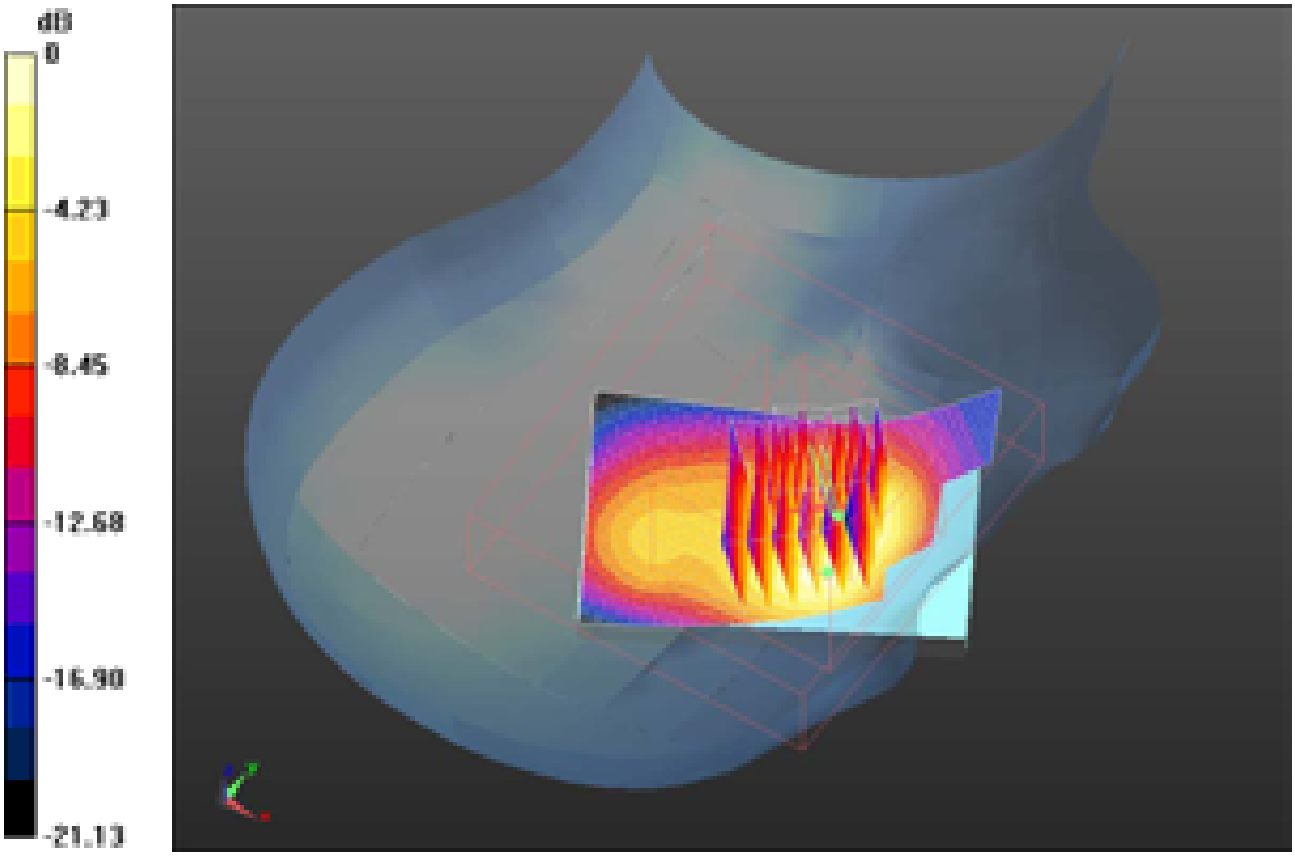
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.234 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.726 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.506 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.624 mW/g
Maximum value of SAR (measured) = 1.189 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.726 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.483 W/kg

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.620 mW/g
Maximum value of SAR (measured) = 1.198 mW/g



0 dB = 1.200mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 9:06:32 PM, Date/Time: 9/13/2011 9:11:38 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_high_chan_amb_temp_23.5_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

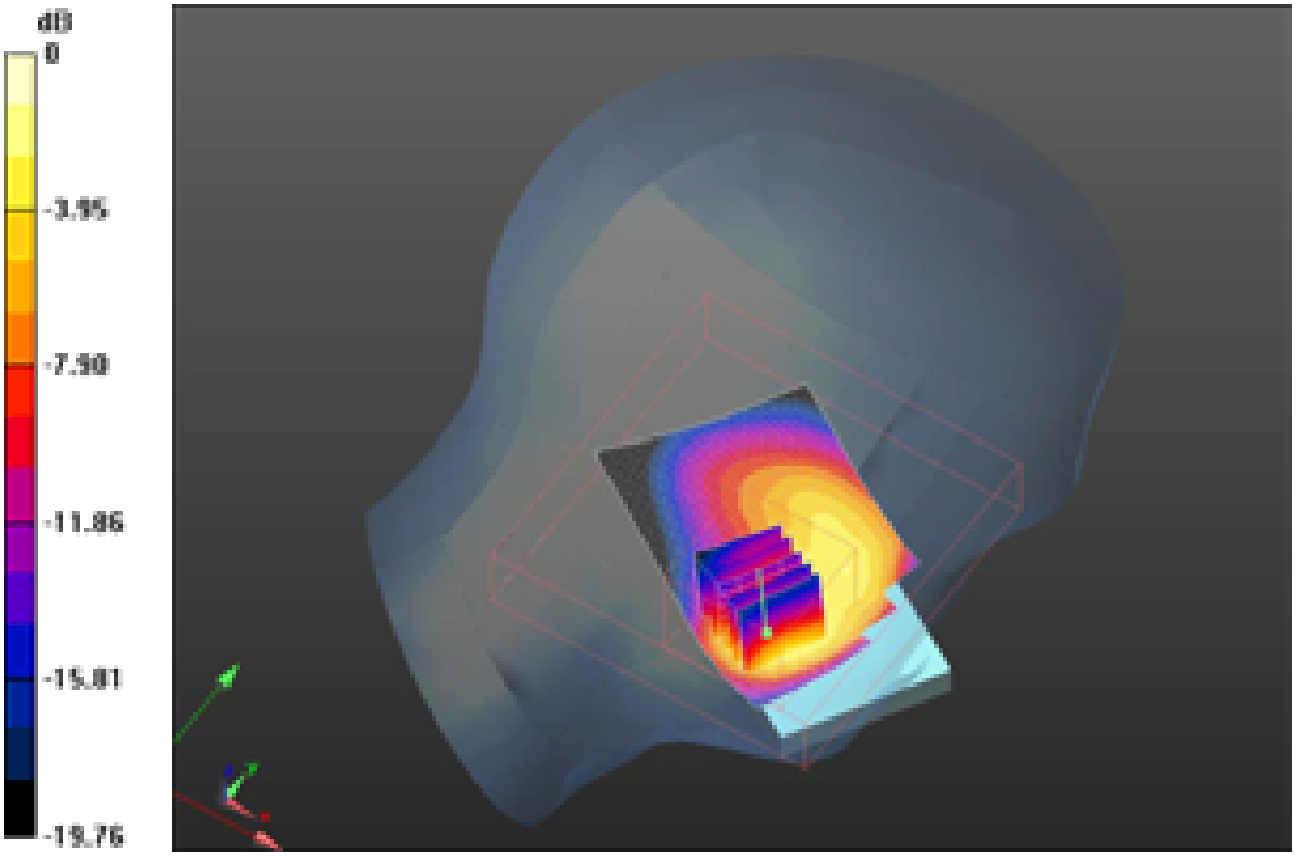
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.555 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.788 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.256 W/kg
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.699 mW/g
Maximum value of SAR (measured) = 1.592 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.590mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 3:23:20 PM, Date/Time: 9/13/2011 3:28:28 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_II_low_chan_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.342 mho/m; ε_r = 39.277; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

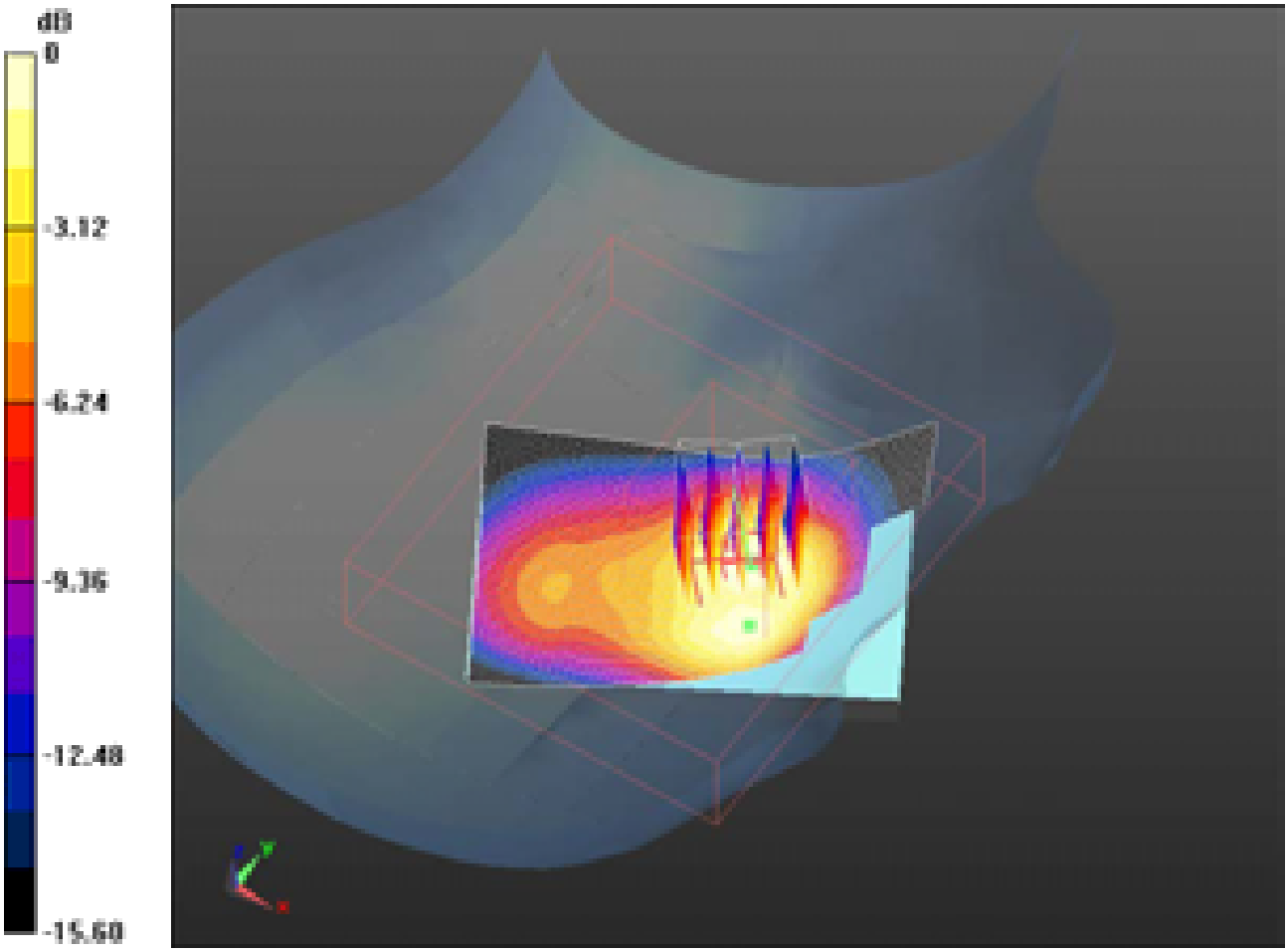
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.155 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.478 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.363 W/kg
SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.598 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.128 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.130mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 3:40:20 PM, Date/Time: 9/13/2011 3:45:29 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_II_mid_chan_amb_temp_22.6_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.369 mho/m; ε_r = 39.156; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

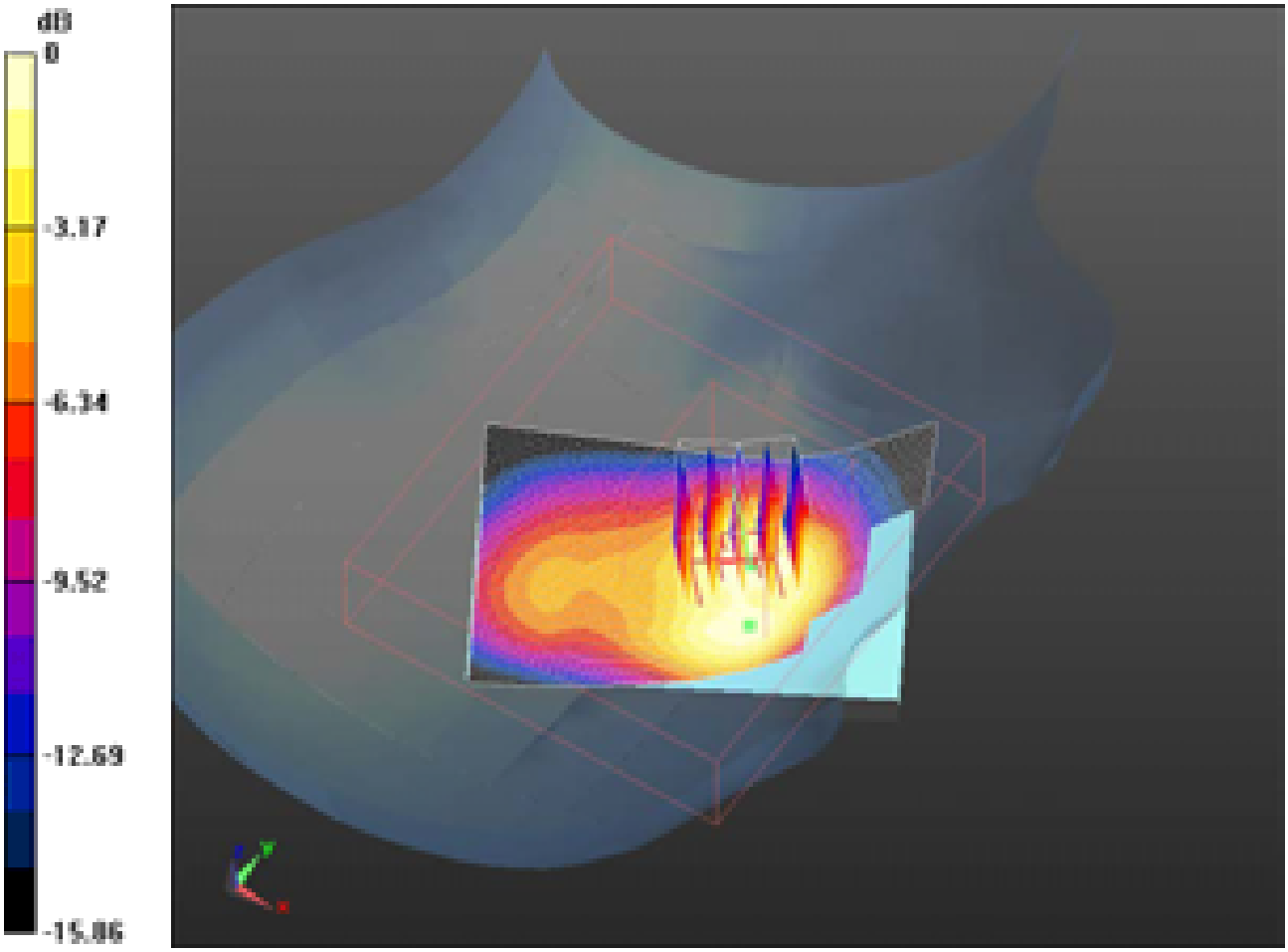
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.283 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.884 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.529 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.663 mW/g
Maximum value of SAR (measured) = 1.252 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.250mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 5:33:08 PM, Date/Time: 9/13/2011 5:38:12 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_II_high_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

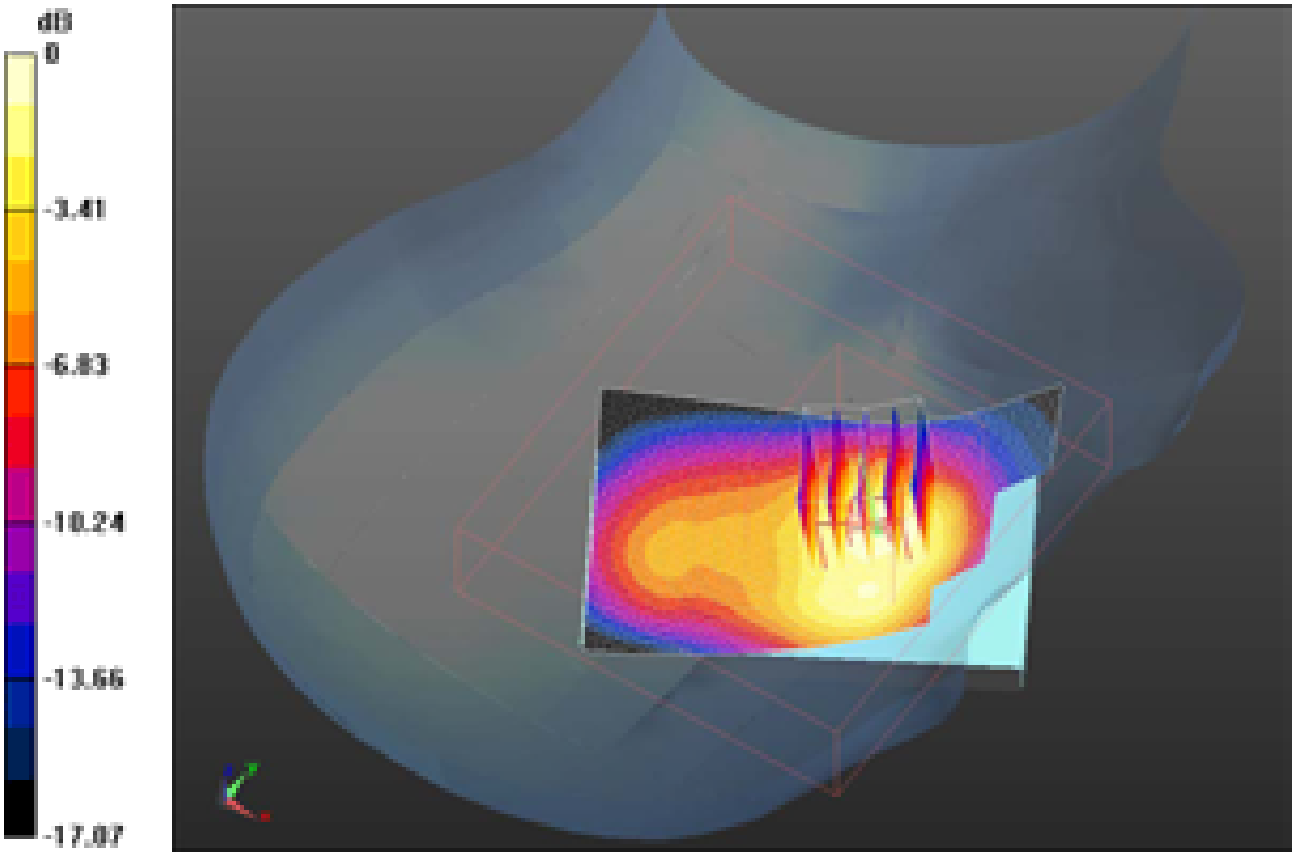
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.429 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.344 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.697 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.709 mW/g

Maximum value of SAR (measured) = 1.368 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.370mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 6:42:35 PM, Date/Time: 9/13/2011 6:47:38 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_II_mid_chan_amb_temp_23.2_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.369 mho/m; ε_r = 39.156; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

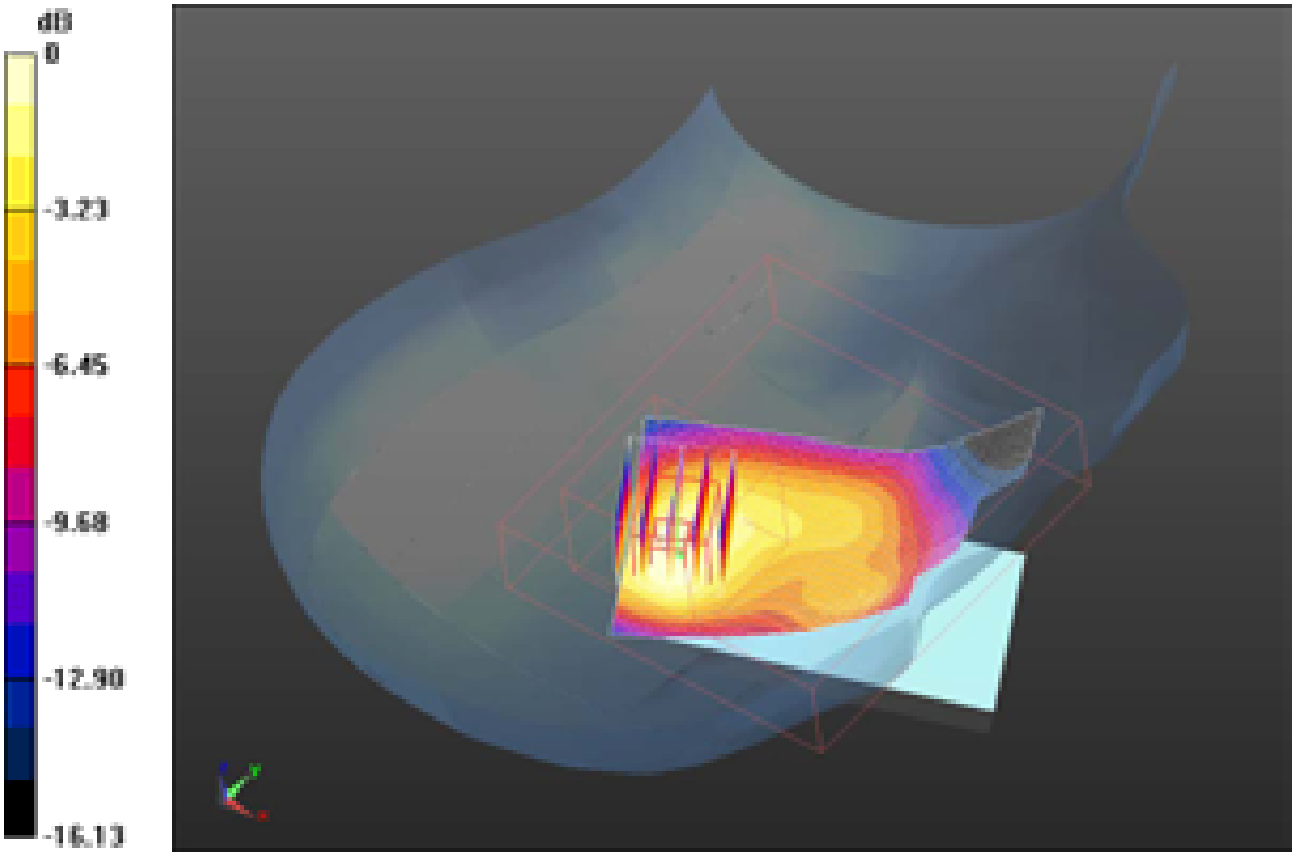
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 0.512 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.254 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.648 W/kg
SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 0.500 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.500mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 5:51:12 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_UMTS_band_II_high_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

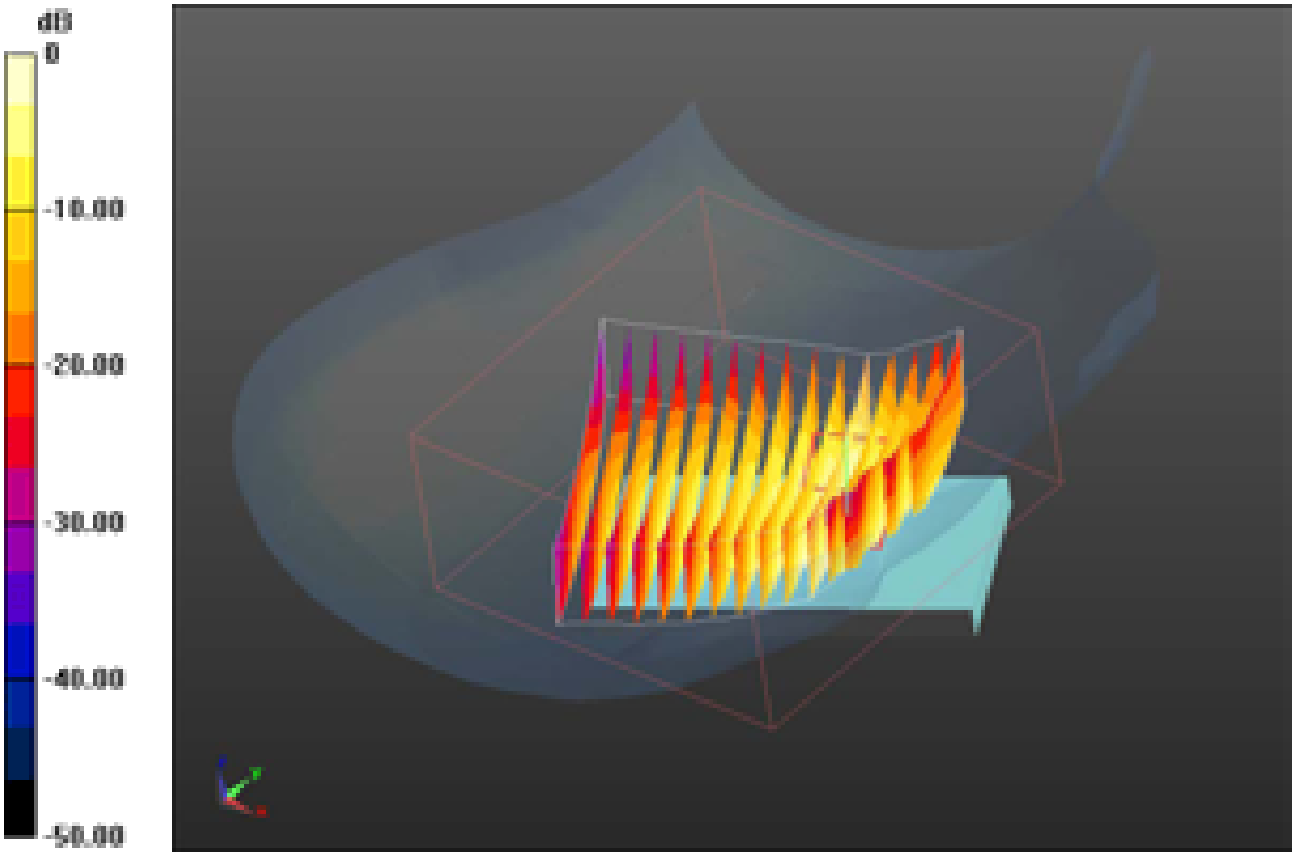
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position - Volume Scan/Volume Scan (5x5x7) (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.182 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.659 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.693 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.319 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.320mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 1:00:55 PM, Date/Time: 9/13/2011 1:06:01 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_low_chan_amb_temp_23.3_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.342 mho/m; ε_r = 39.277; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

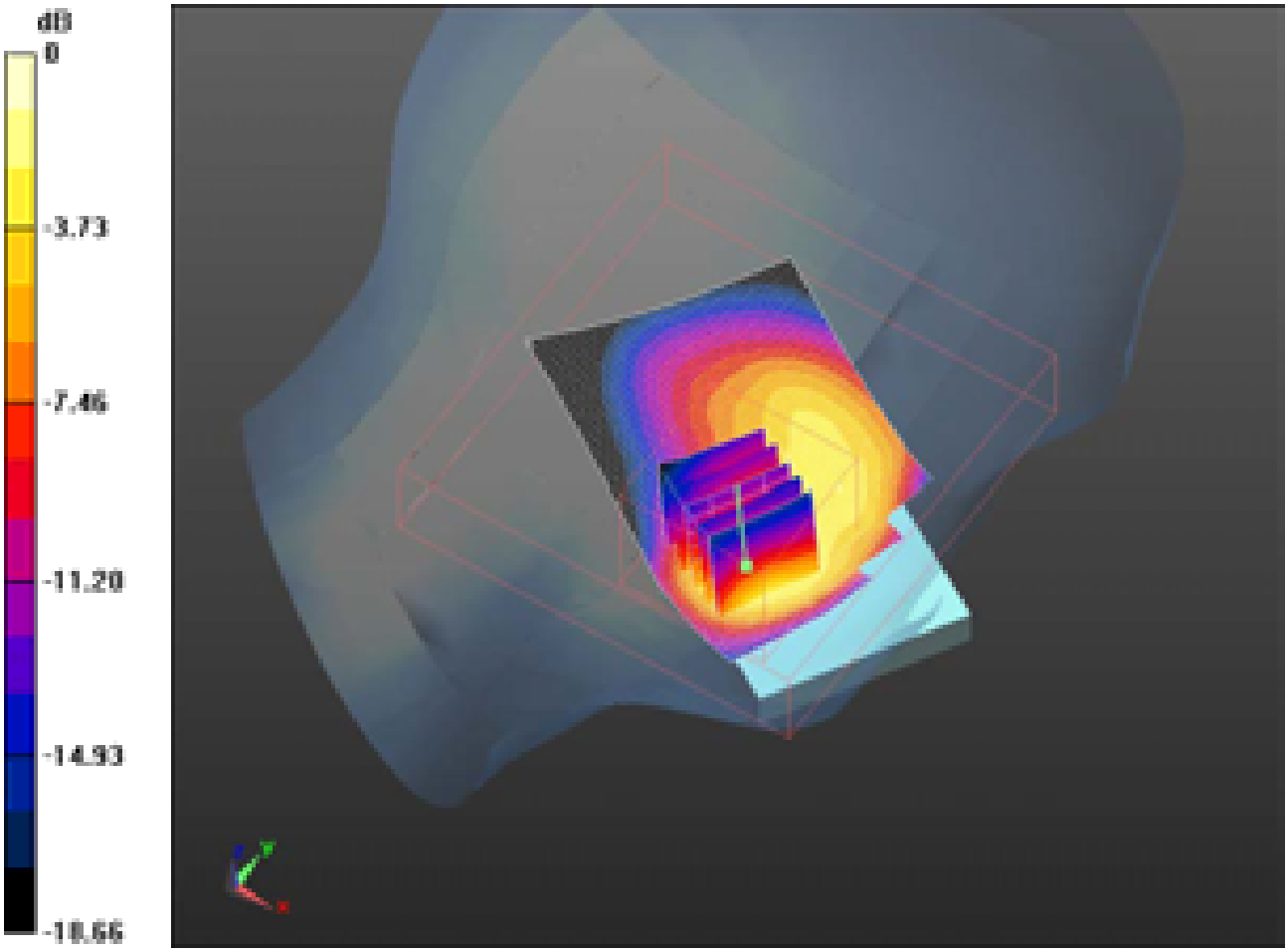
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.265 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.446 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 1.765 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.590 mW/g

Maximum value of SAR (measured) = 1.307 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.310mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 1:32:31 PM, Date/Time: 9/13/2011 1:37:37 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_mid_chan_amb_temp_23.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.369 mho/m; ε_r = 39.156; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

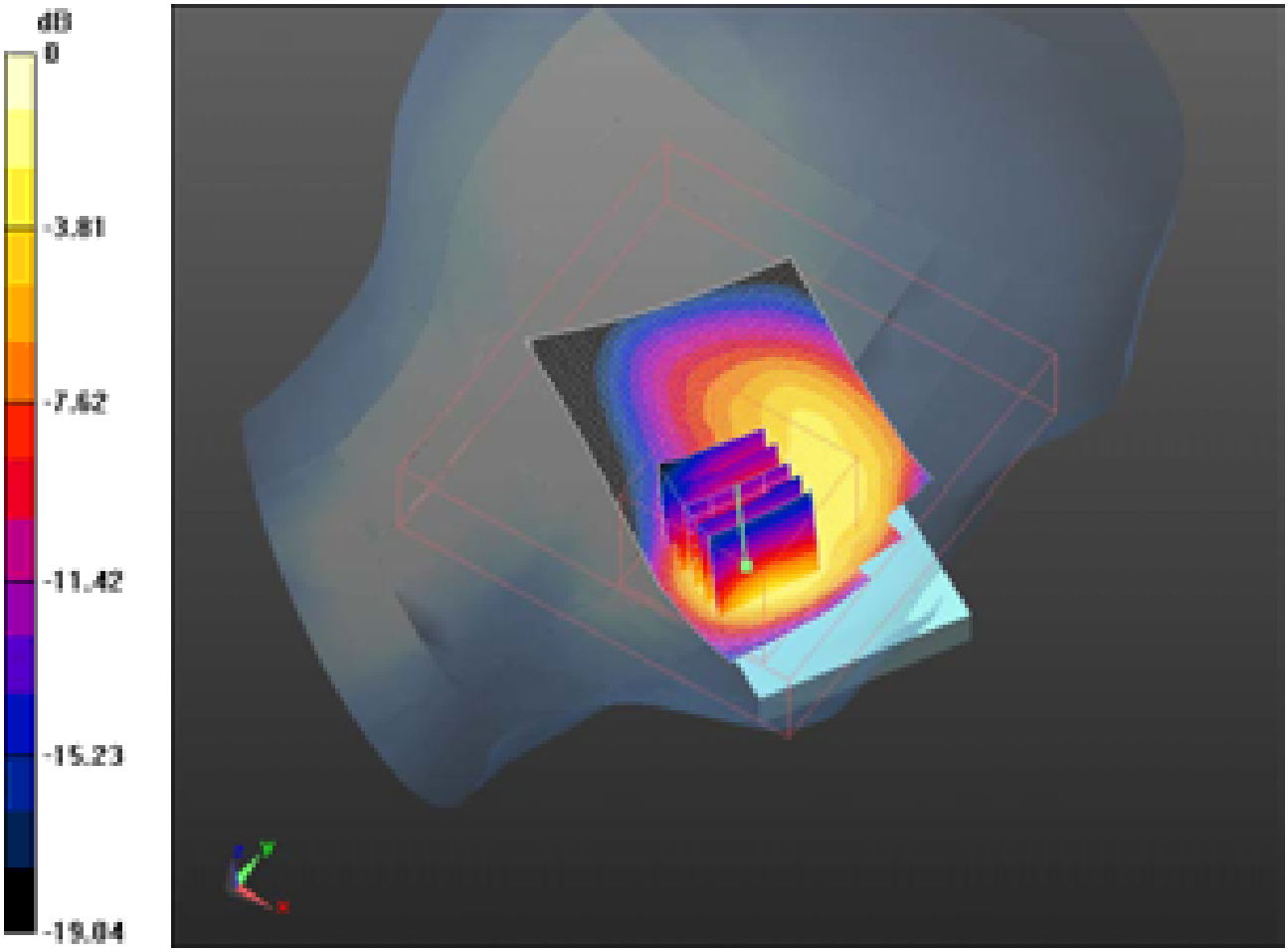
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 1.491 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.319 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.080 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.689 mW/g
Maximum value of SAR (measured) = 1.543 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.540mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 1:51:58 PM, Date/Time: 9/13/2011 1:57:03 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_high_chan_amb_temp_23.0_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

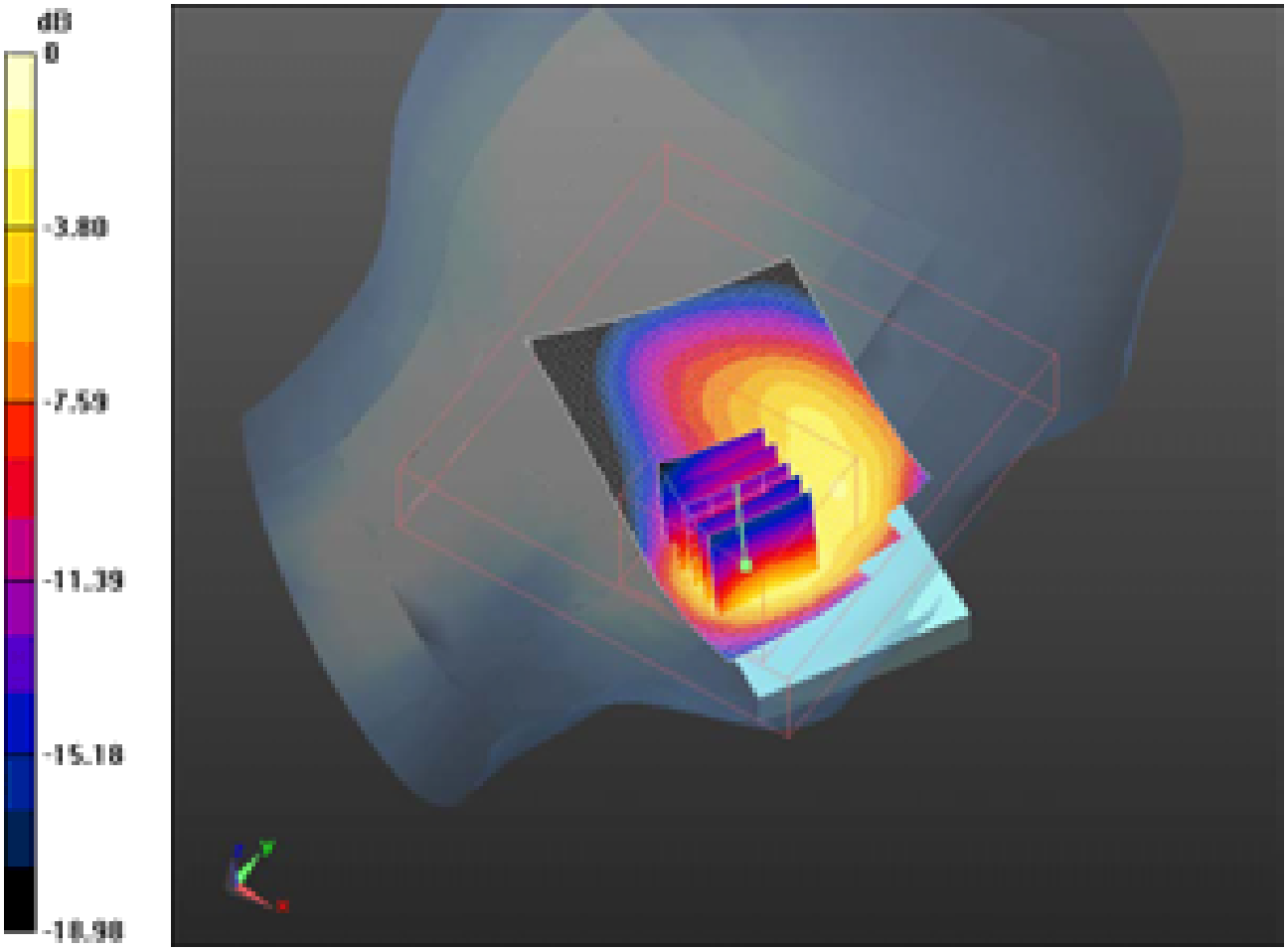
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.583 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.947 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.196 W/kg
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.725 mW/g

Maximum value of SAR (measured) = 1.624 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.620mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 3:02:00 PM, Date/Time: 9/13/2011 3:07:07 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_II_high_chan_amb_temp_22.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

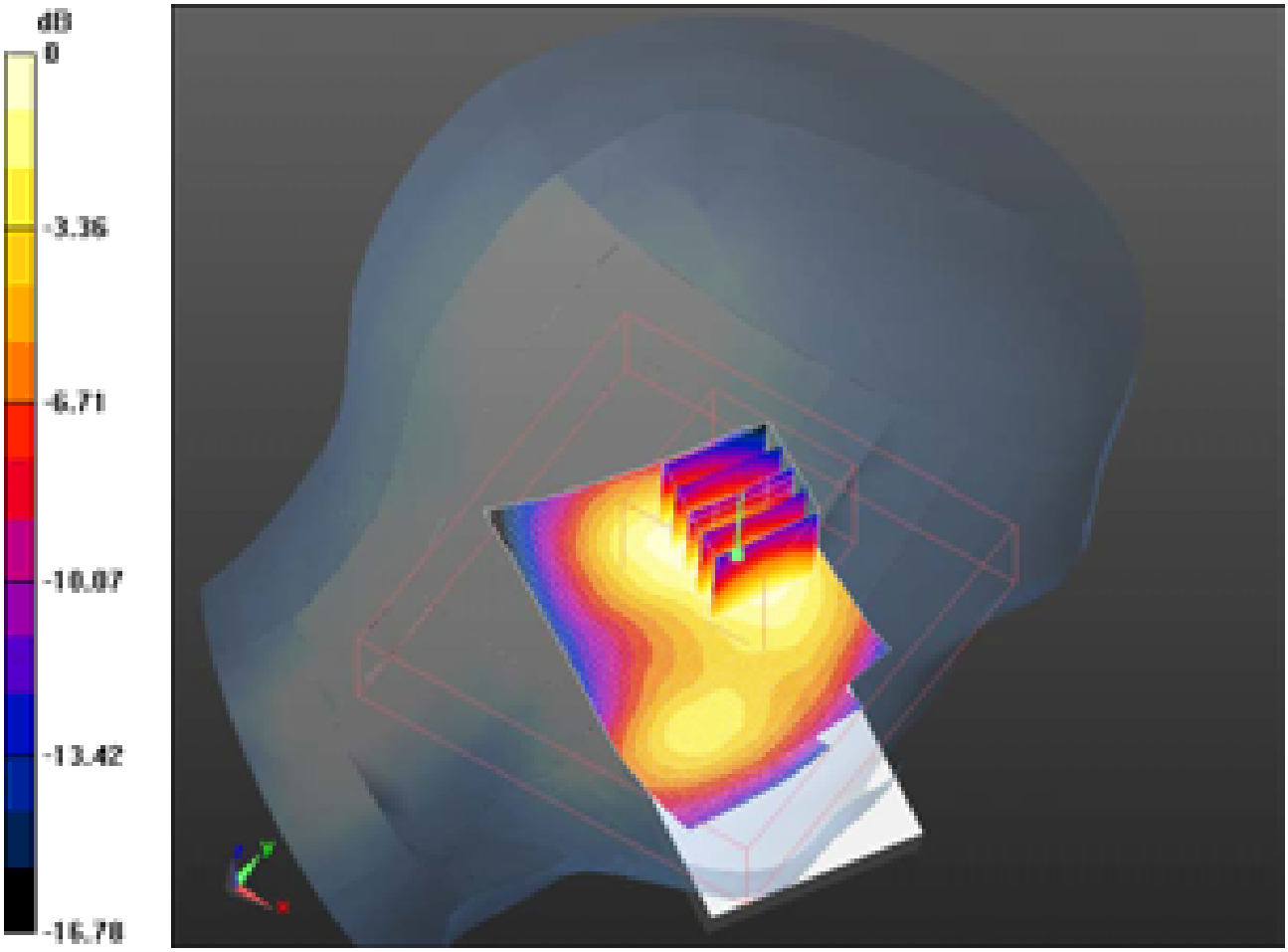
Configuration/Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.645 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.235 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.770 W/kg
SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.326 mW/g

.
Maximum value of SAR (measured) = 0.595 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.590mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/13/2011 2:13:41 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_UMTS_band_II_high_chan_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

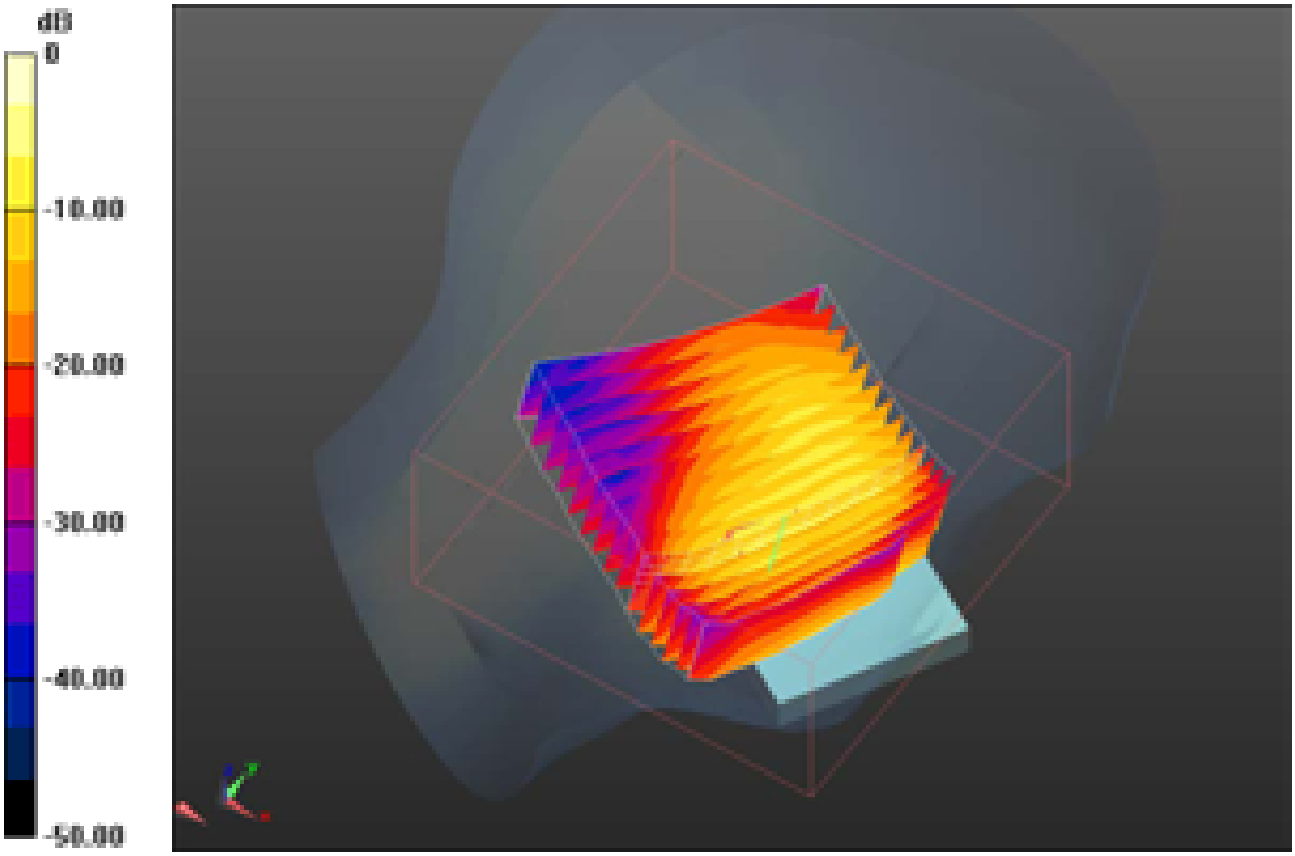
Configuration/Touch position - 2/Volume Scan (13x15x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.119 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.142 W/kg
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.710 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.531 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 1.530mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 12:54:55 PM, Date/Time: 8/19/2011 1:00:09 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_low_chan_amb_temp_23.3_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;
Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.813 mho/m; ε_r = 37.84; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

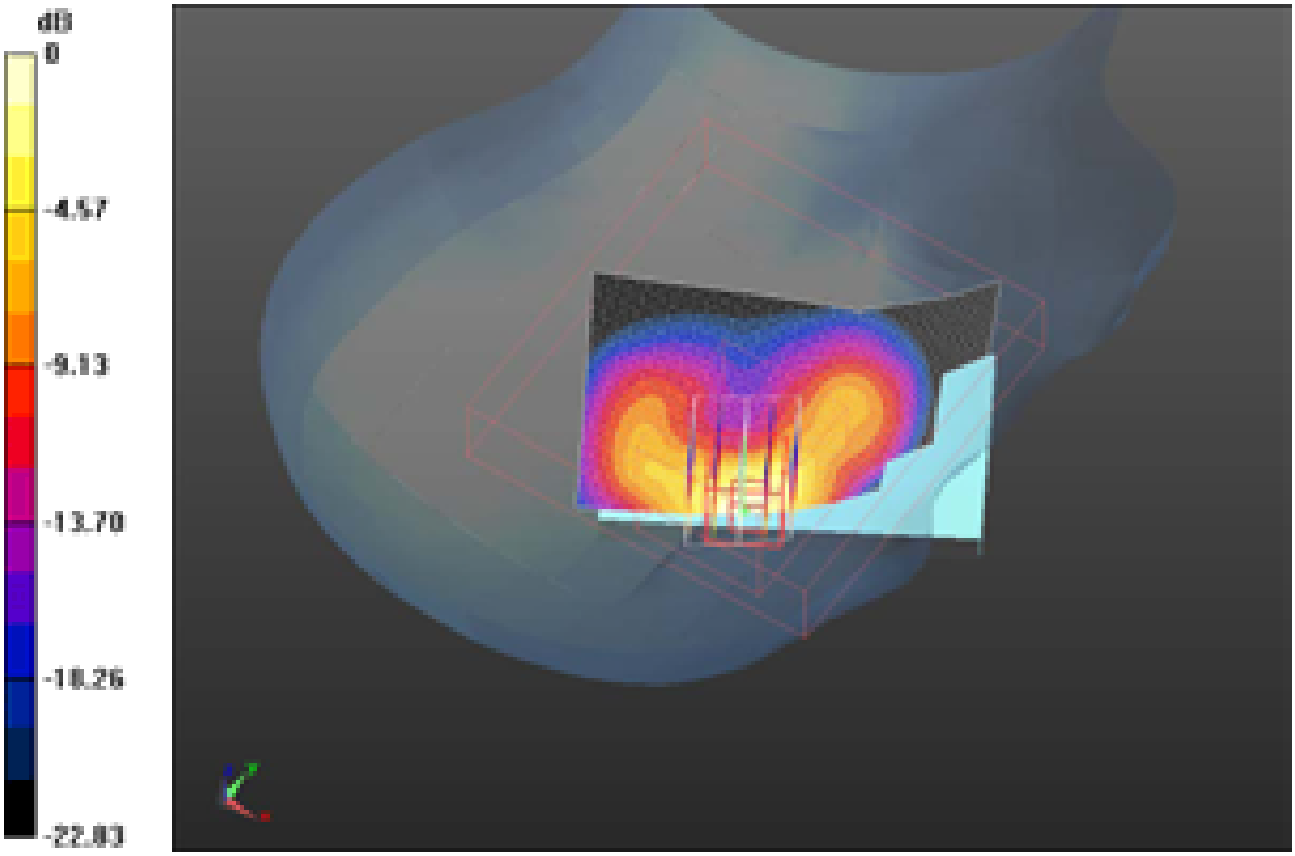
Configuration/Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.494 mW/g

Configuration/Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.955 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.172 W/kg
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.216 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.544 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.540mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 1:35:16 PM, Date/Time: 8/19/2011 1:40:29 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_mid_chan_amb_temp_23.4_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Communication System PAR: 1.872 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 37.743; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

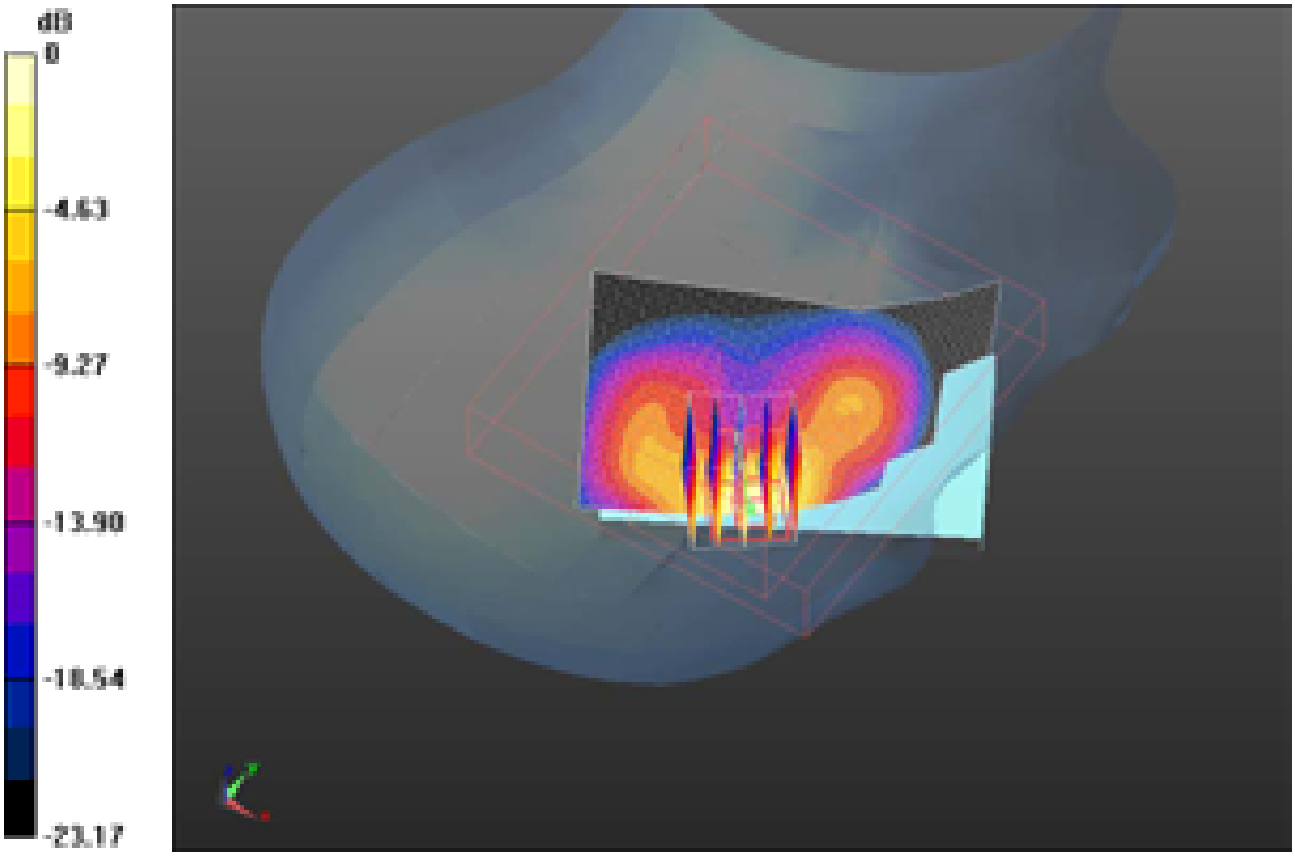
Configuration/Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.615 mW/g

Configuration/Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.603 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.410 W/kg
SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.269 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.785 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.790mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 1:17:42 PM, Date/Time: 8/19/2011 1:22:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_high_chan_amb_temp_23.3_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

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 = 1.867 mho/m; ε_r = 37.661; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

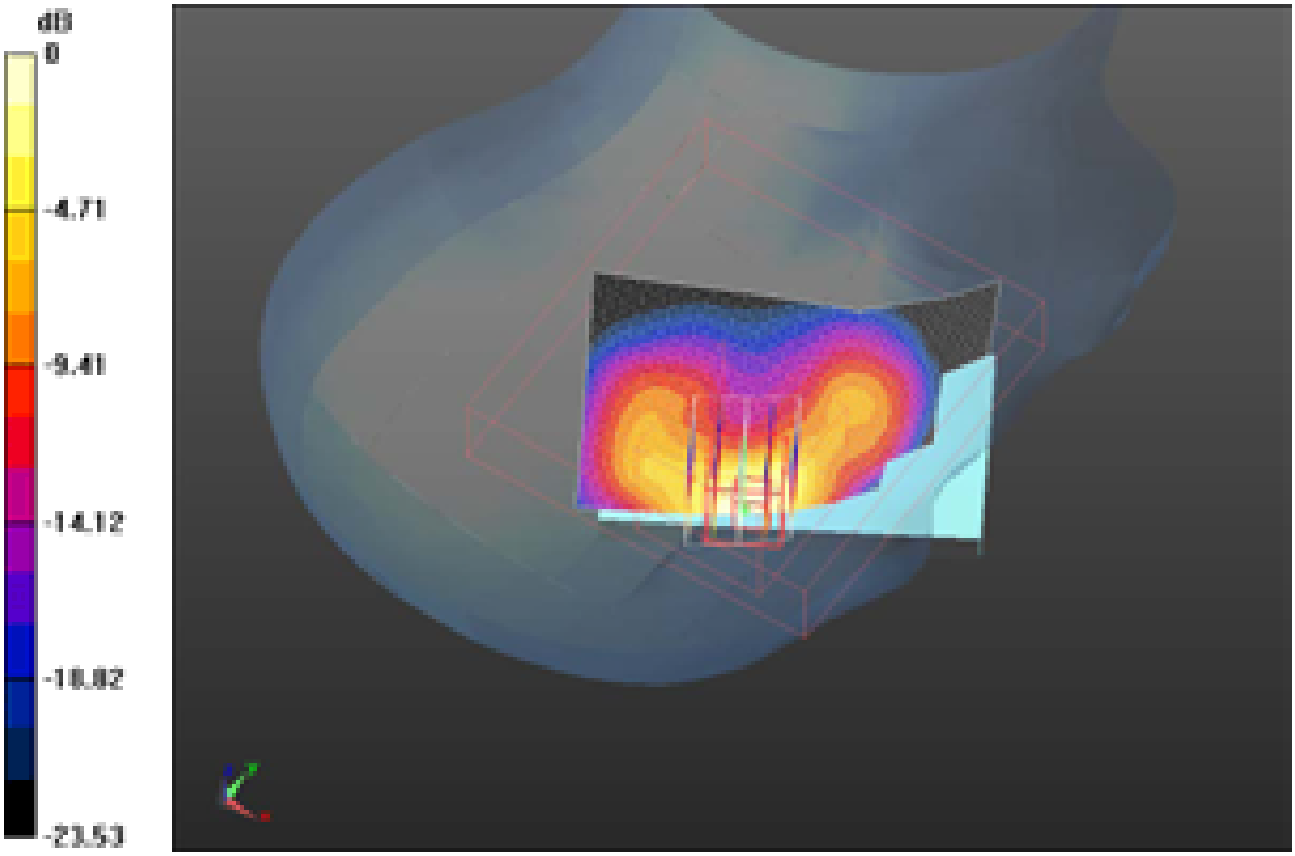
Configuration/Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.430 mW/g

Configuration/Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.368 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.030 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.187 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.462 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.460mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 1:50:02 PM, Date/Time: 8/19/2011 1:55:14 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_mid_chan_amb_temp_23.4_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Communication System PAR: 1.872 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 37.743; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

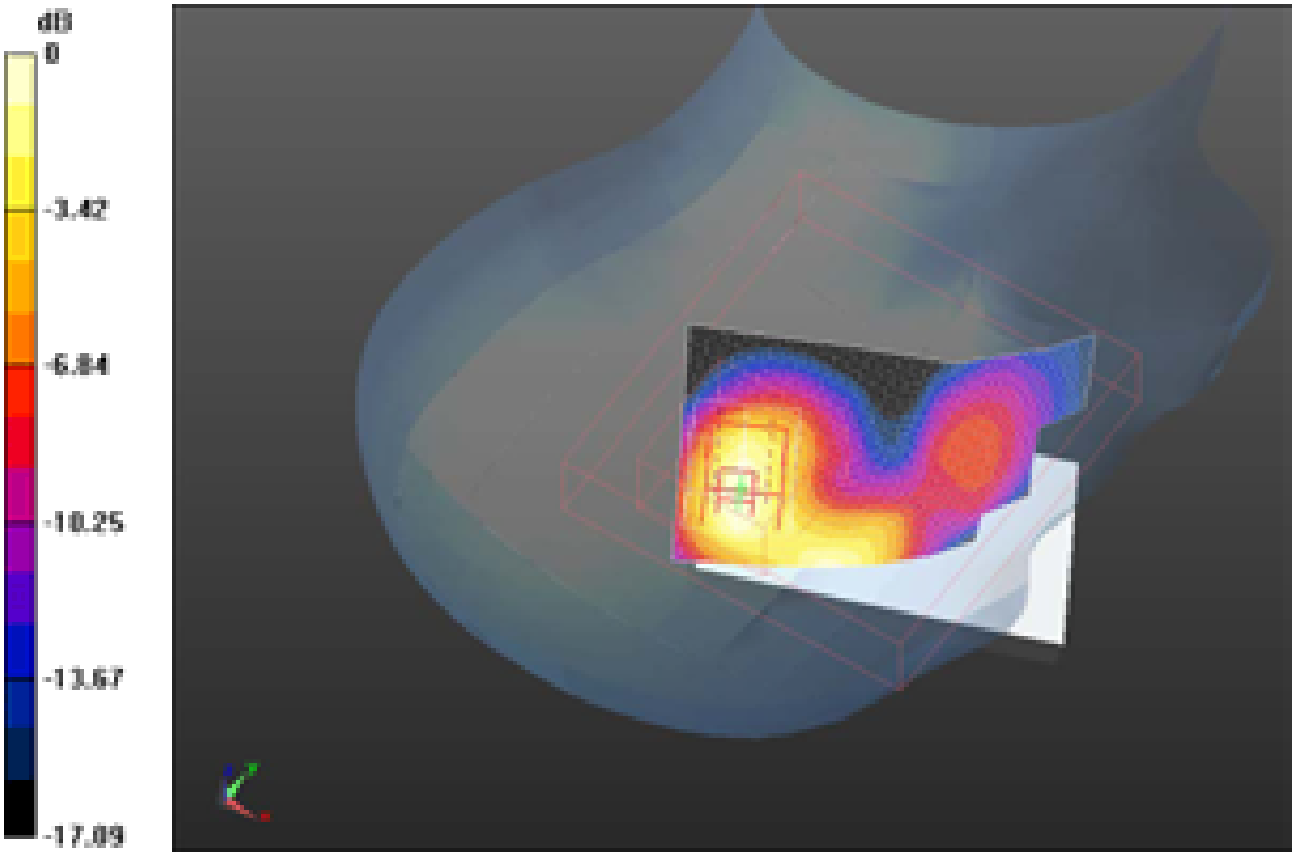
Configuration/Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.197 mW/g

Configuration/Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.577 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.084 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.200mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/7/2011 10:54:50 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_802.11b_mid_chan_amb_temp_23.5_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

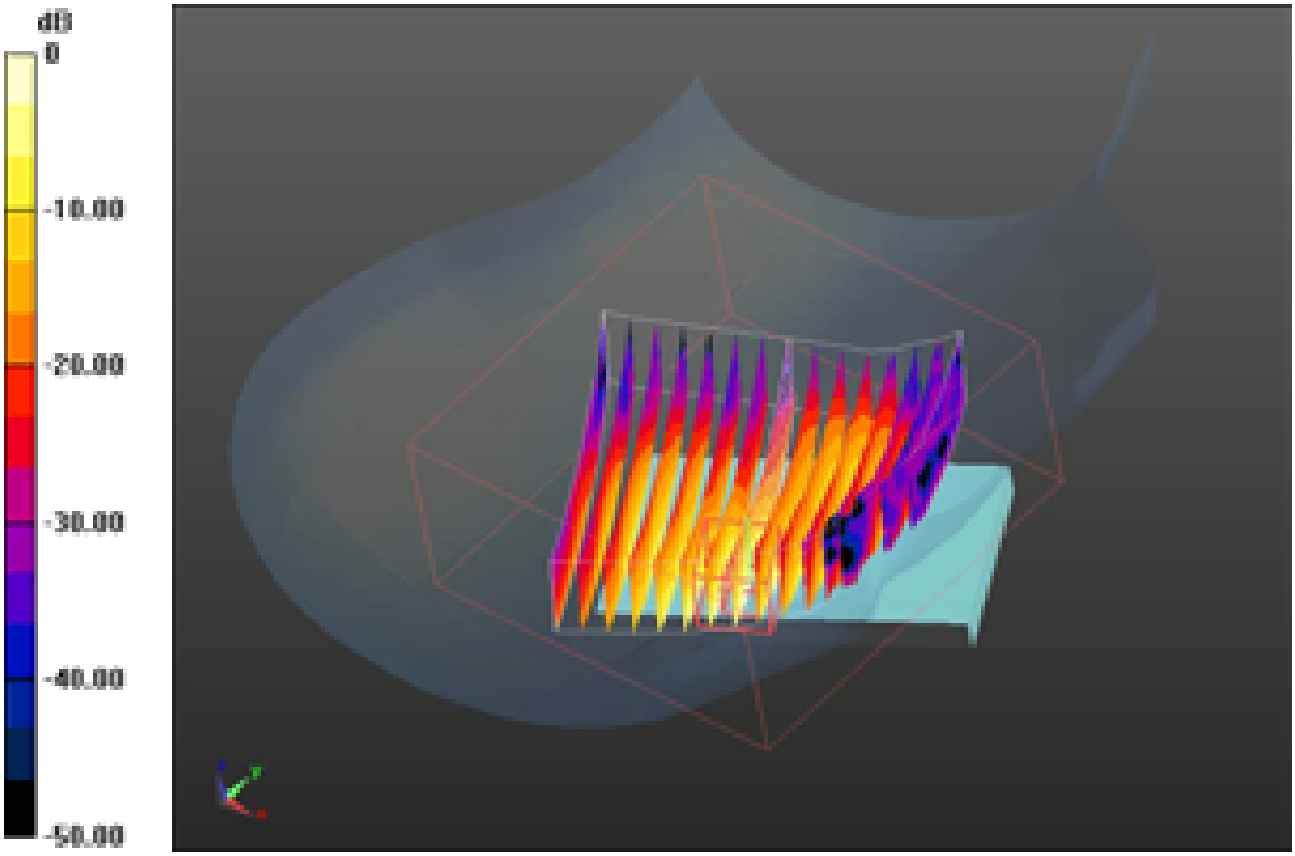
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.537 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.276 W/kg
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.236 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.692 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.690mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 11:16:30 AM, Date/Time: 8/19/2011 11:22:17 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_low_chan_amb_temp_23.5_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.813 mho/m; ε_r = 37.84; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

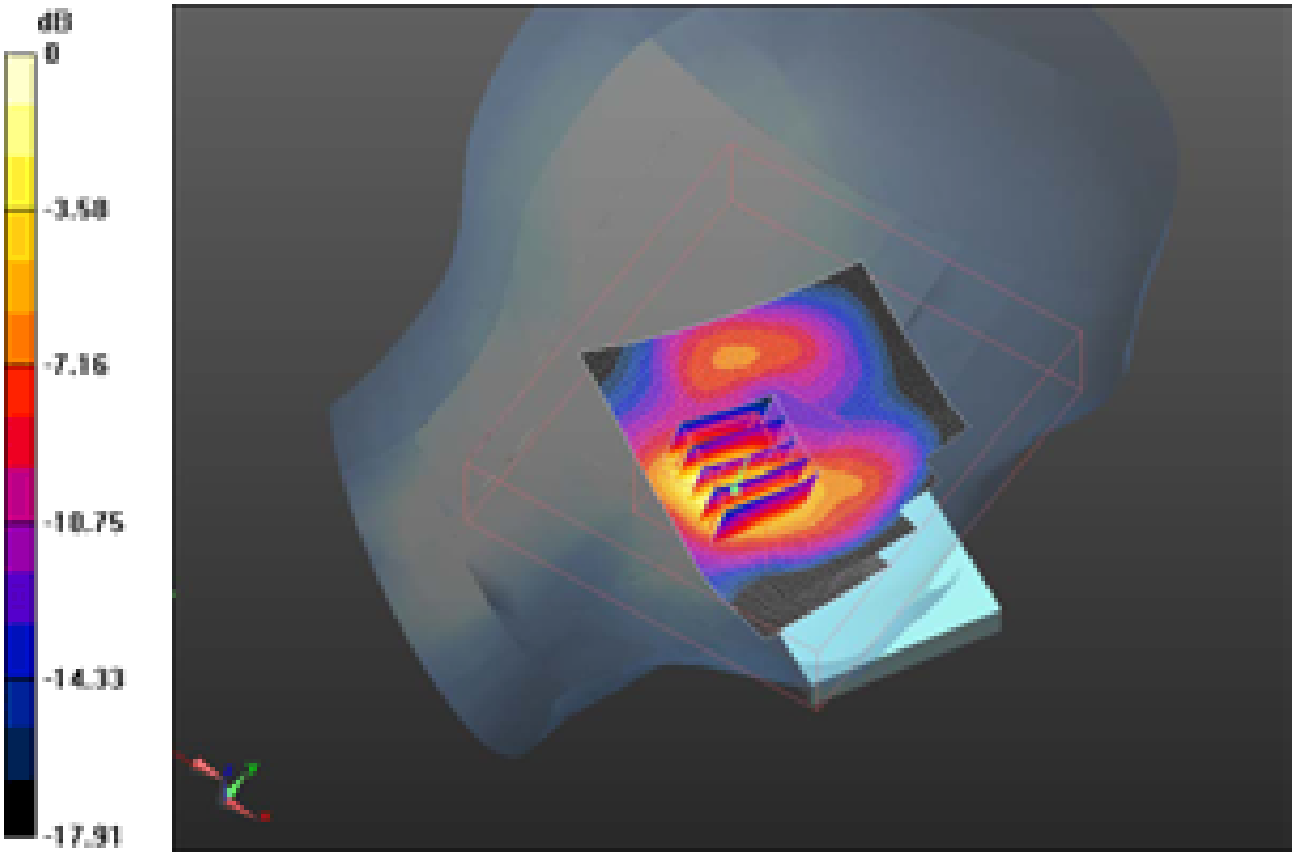
Configuration/Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.282 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.481 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.118 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.340 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.340mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 10:58:55 AM, Date/Time: 8/19/2011 11:07:00 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_mid_chan_amb_temp_23.5_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Communication System PAR: 1.872 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 37.743; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

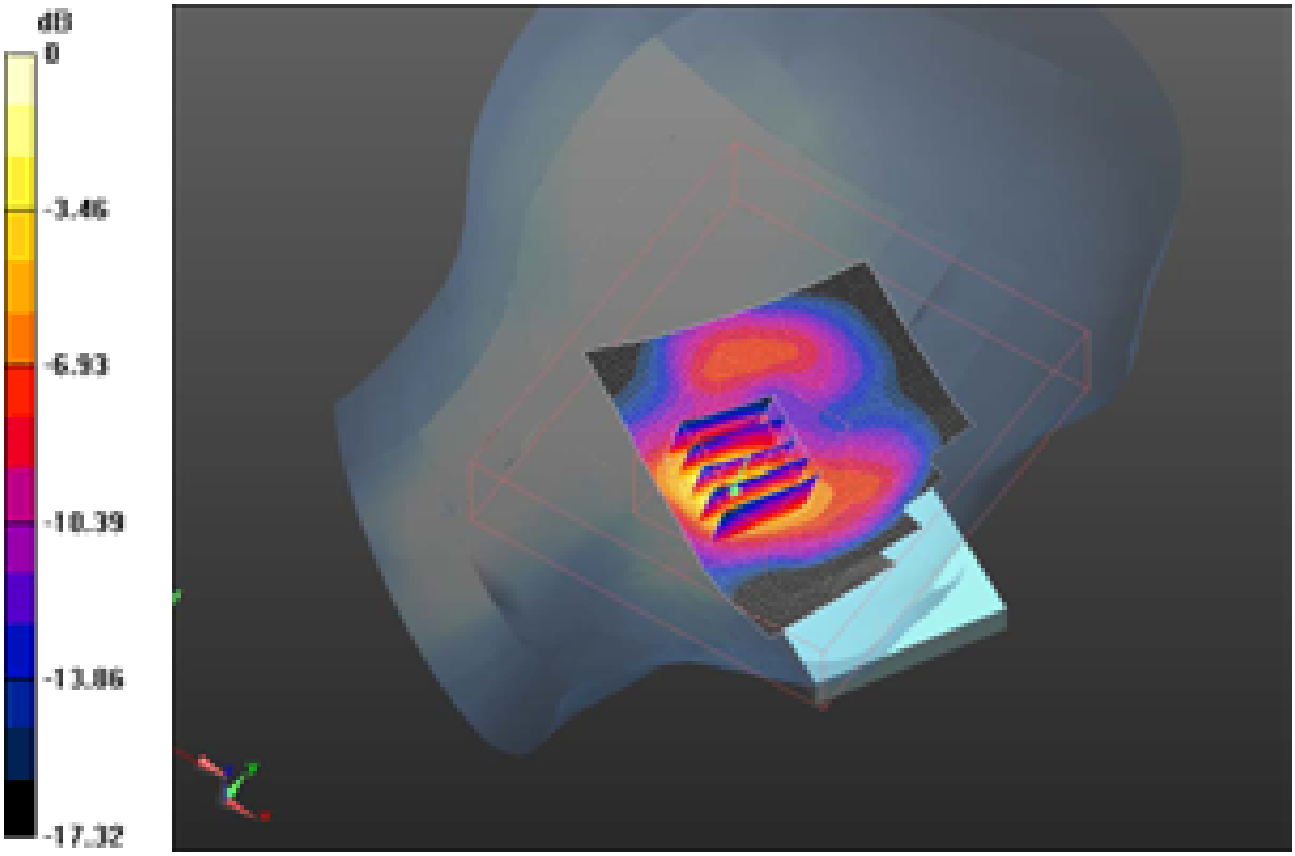
Configuration/Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.410 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.445 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.167 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.495 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.500mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 11:36:08 AM, Date/Time: 8/19/2011 11:41:56 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_23.4_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

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 = 1.867 mho/m; ε_r = 37.661; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

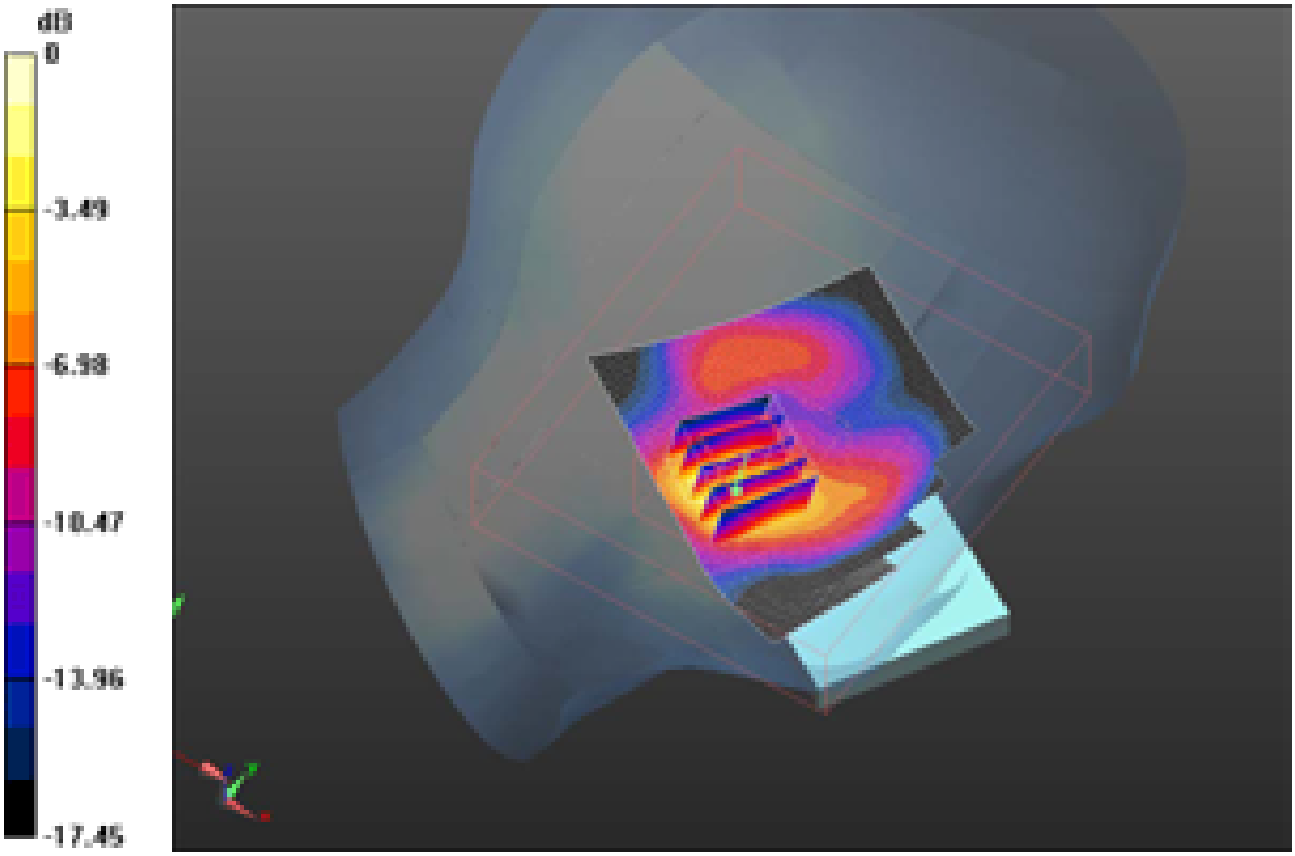
Configuration/Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.249 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.024 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.103 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.304 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.300mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/19/2011 12:08:45 PM, Date/Time: 8/19/2011 12:14:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_mid_chan_amb_temp_23.4_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.84 mho/m; ε_r = 37.743; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (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)

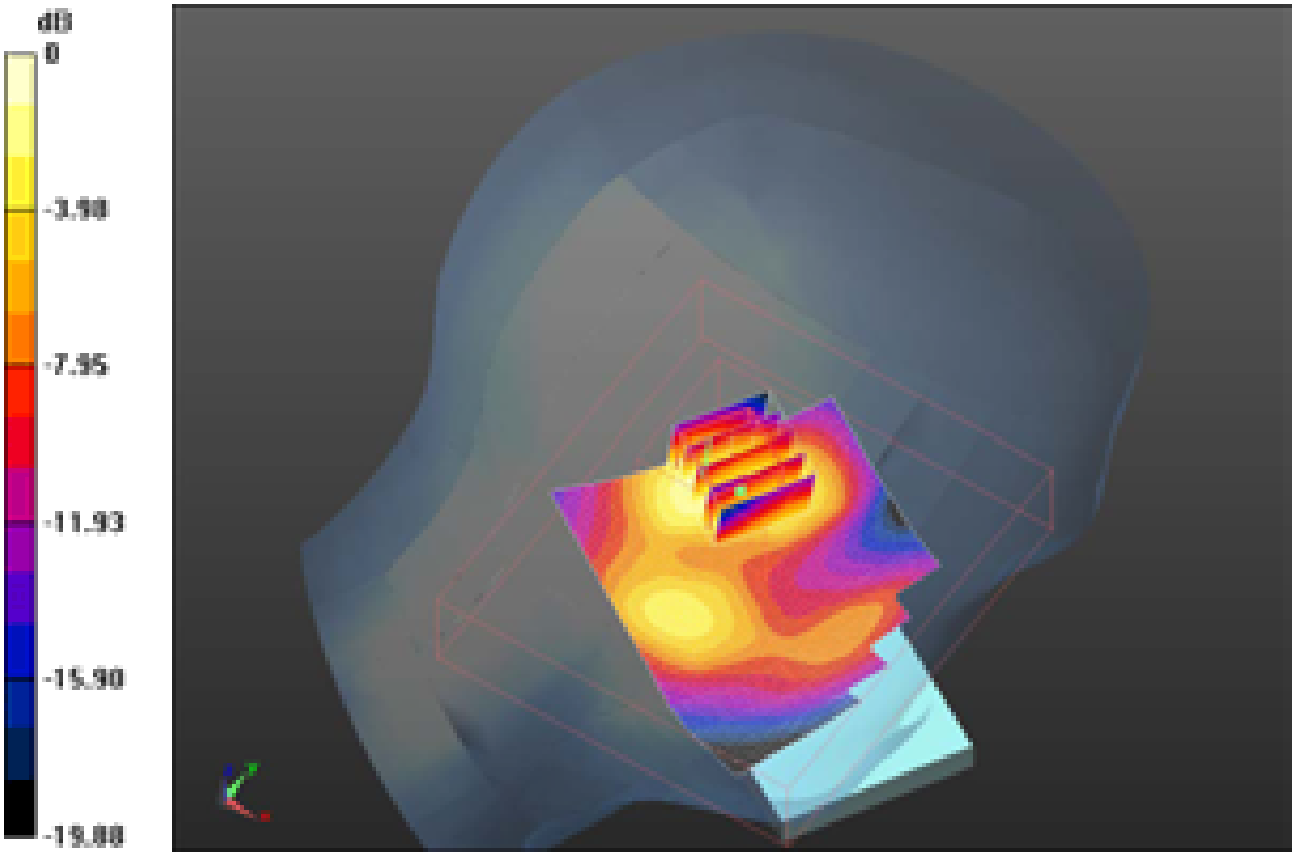
Configuration/Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.125 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.803 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.061 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.145 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.150mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/7/2011 7:44:27 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_802.11b_mid_chan_amb_temp_23.8_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

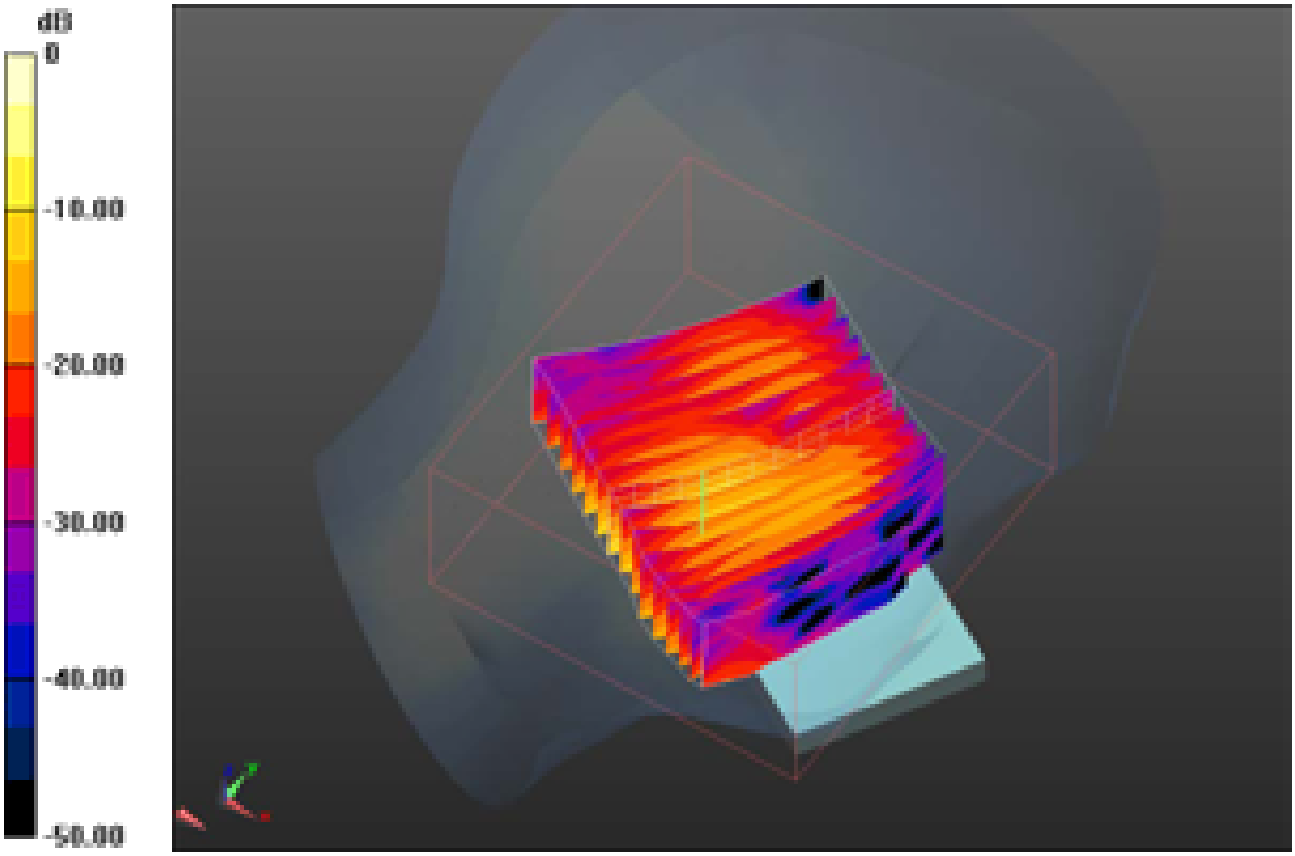
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.544 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.806 W/kg
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.170 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.457 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.460mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/23/2011 12:13:12 AM, Date/Time: 8/23/2011 12:18:22 AM

Test Laboratory: RIM Testing Services

RightHandSide_Bluetooth_high_chan_amb_temp_23.2_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2480 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 2480 MHz; σ = 1.917 mho/m; ε_r = 37.382; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

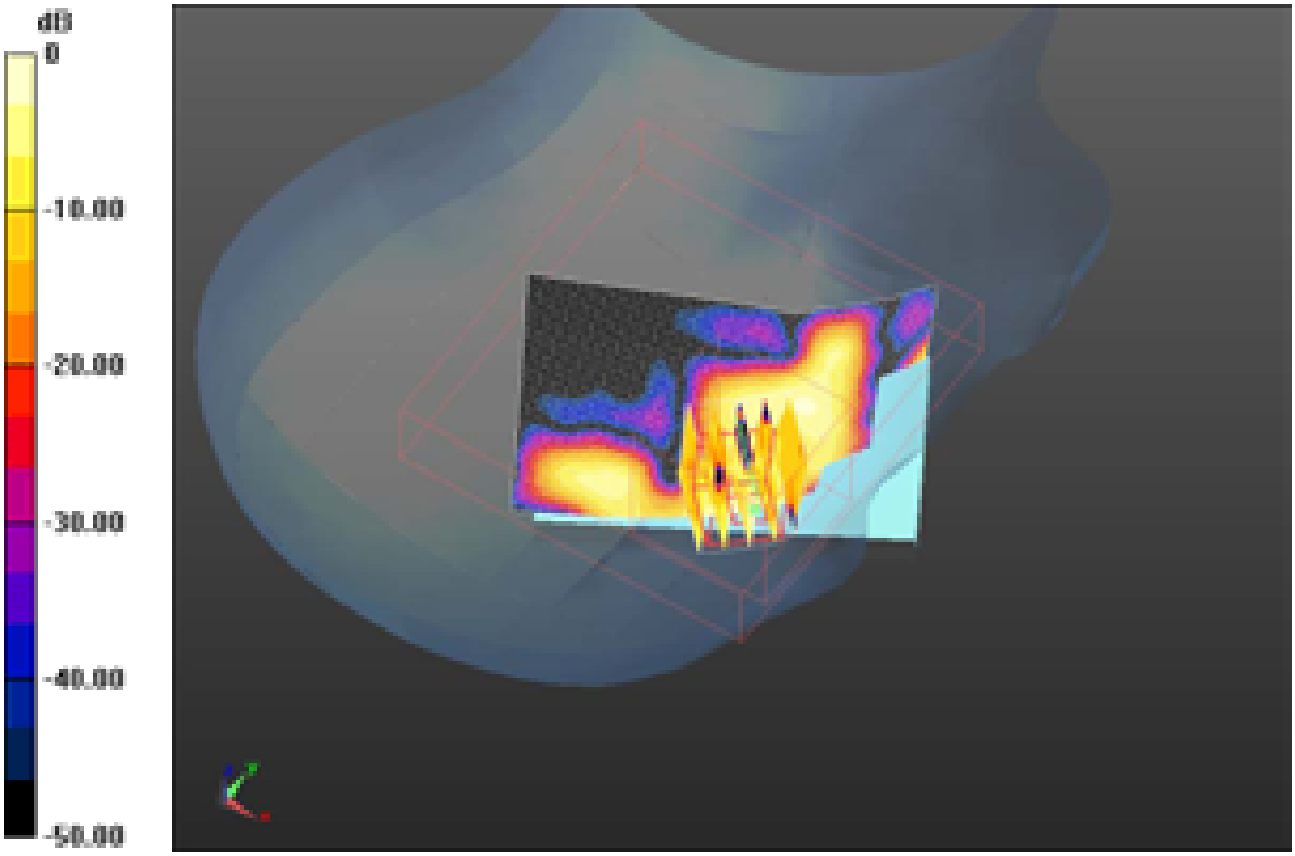
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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) = 0.006 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.063 V/m; Power Drift = 0.39 dB
Peak SAR (extrapolated) = 0.017 W/kg
SAR(1 g) = 0.00304 mW/g; SAR(10 g) = 0.000971 mW/g
Maximum value of SAR (measured) = 0.00448 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.0045mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/22/2011 11:50:46 PM, Date/Time: 8/22/2011 11:56:30 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Bluetooth_high_chan_amb_temp_23.2_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2480 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 2480 MHz; σ = 1.917 mho/m; ε_r = 37.382; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

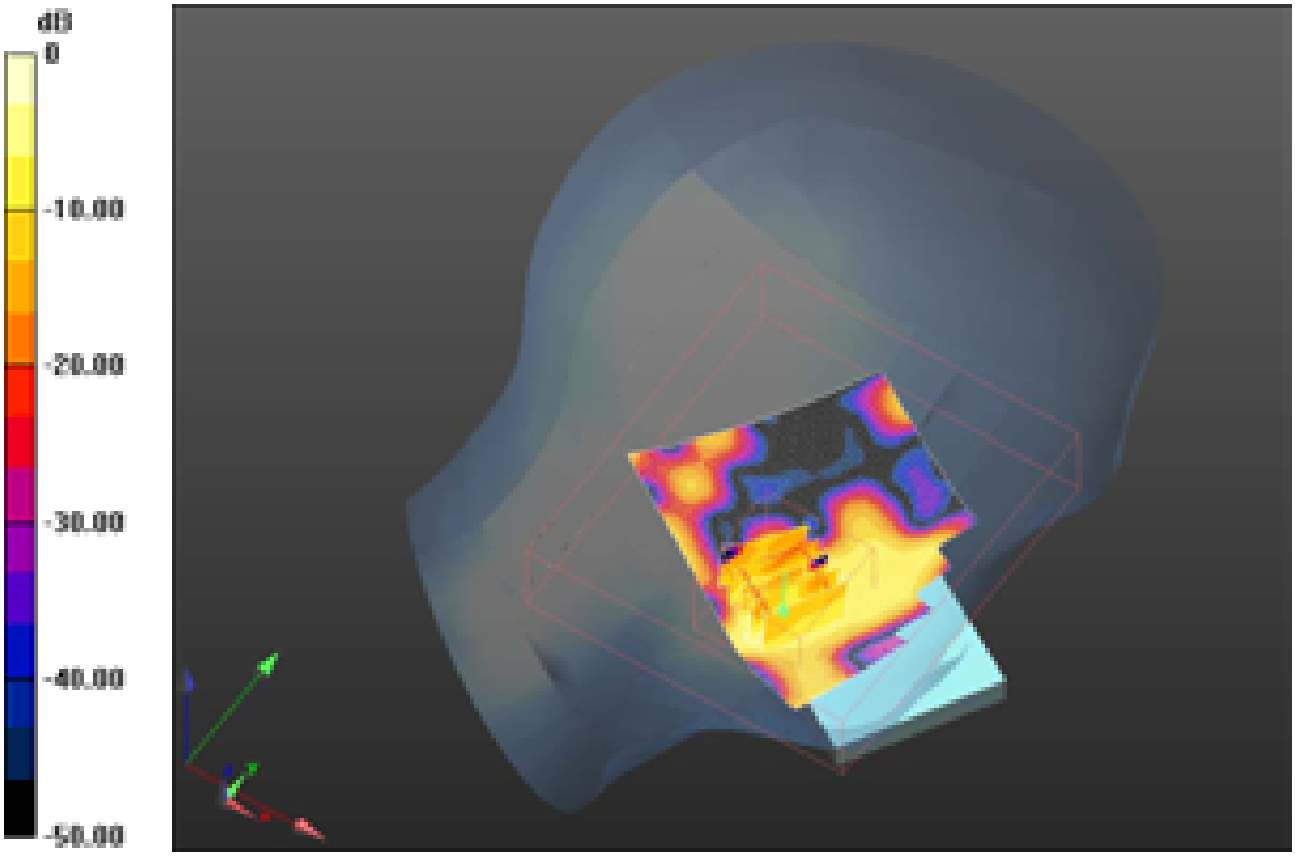
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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 (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.011 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.601 V/m; Power Drift = 5.02 dB
Peak SAR (extrapolated) = 0.013 W/kg
SAR(1 g) = 0.00578 mW/g; SAR(10 g) = 0.00223 mW/g
Maximum value of SAR (measured) = 0.00933 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.0093mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 9/8/2011 12:39:33 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2480 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

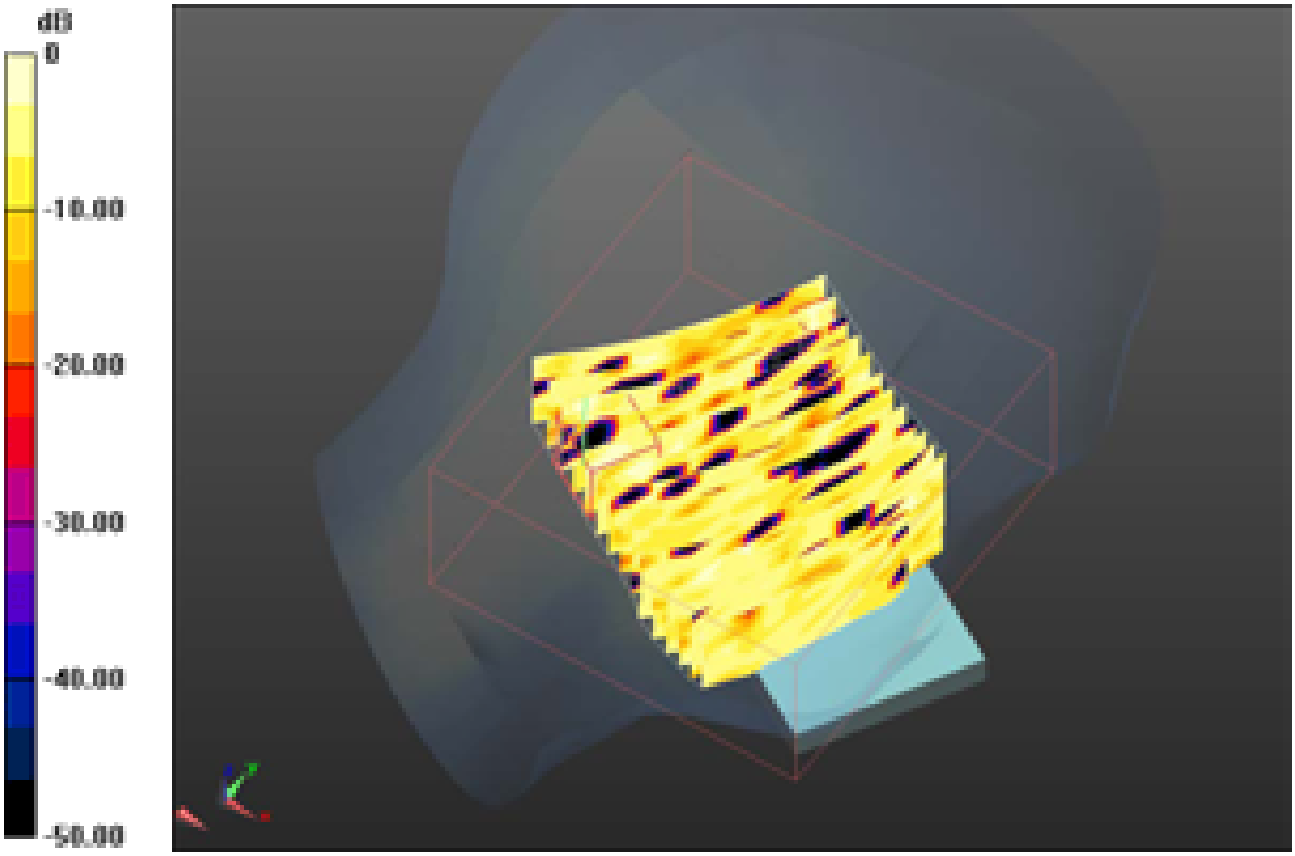
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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 Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.680 V/m; Power Drift = 1.56 dB
Peak SAR (extrapolated) = 0.002 W/kg
SAR(1 g) = 0.000316 mW/g; SAR(10 g) = 8.58e-005 mW/g

Maximum value of SAR (measured) = 0.0011 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.0011mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 9:38:20 AM, Date/Time: 8/18/2011 9:49:42 AM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_low_band_chan_36_amb_temp_23.9_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5180 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5180 MHz; σ = 4.643 mho/m; ε_r = 34.433; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

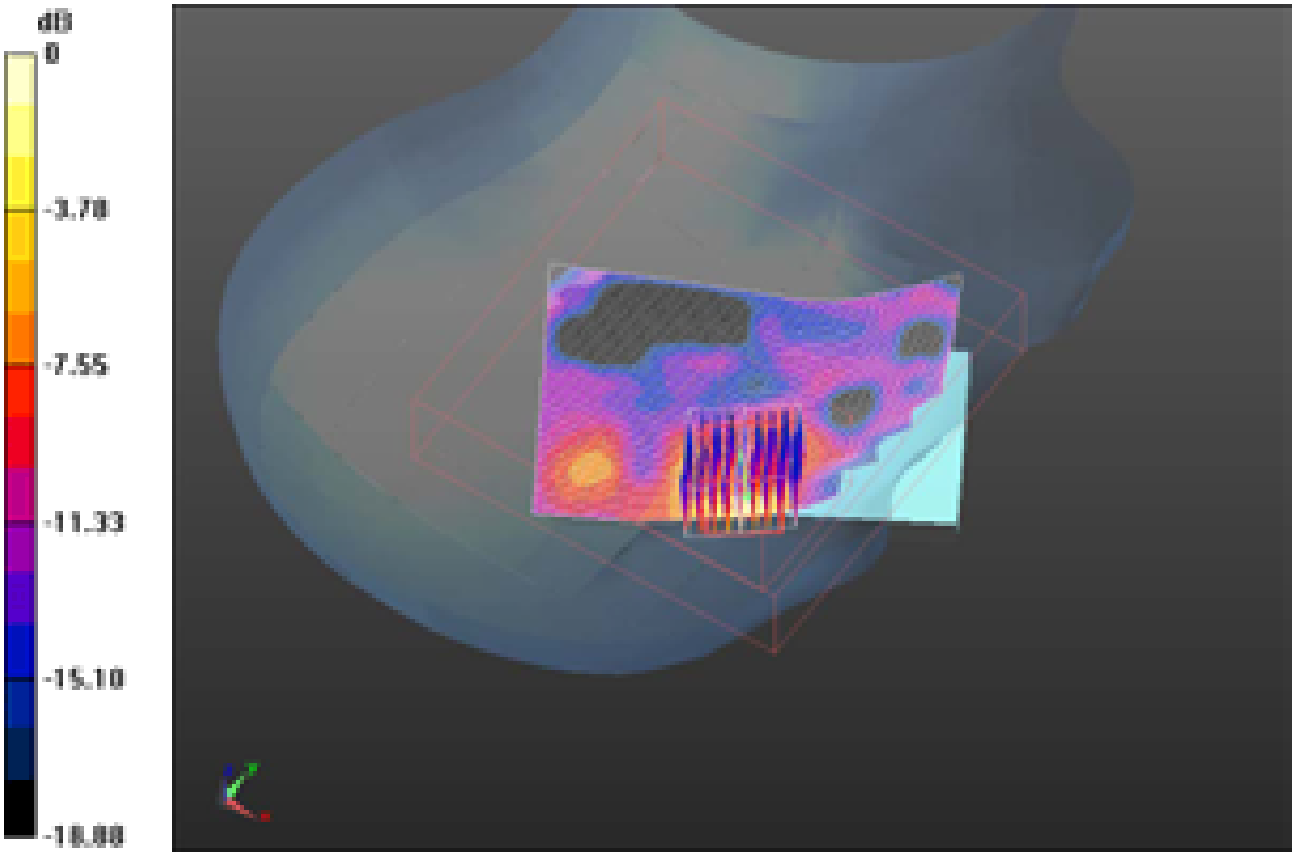
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.212 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5, graded), dist=2mm (9x9x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.486 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.217 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.220mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 10:11:33 AM, Date/Time: 8/18/2011 10:22:55 AM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_low_band_chan_56_amb_temp_23.8_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5280 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5280 MHz; σ = 4.769 mho/m; ε_r = 34.217; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

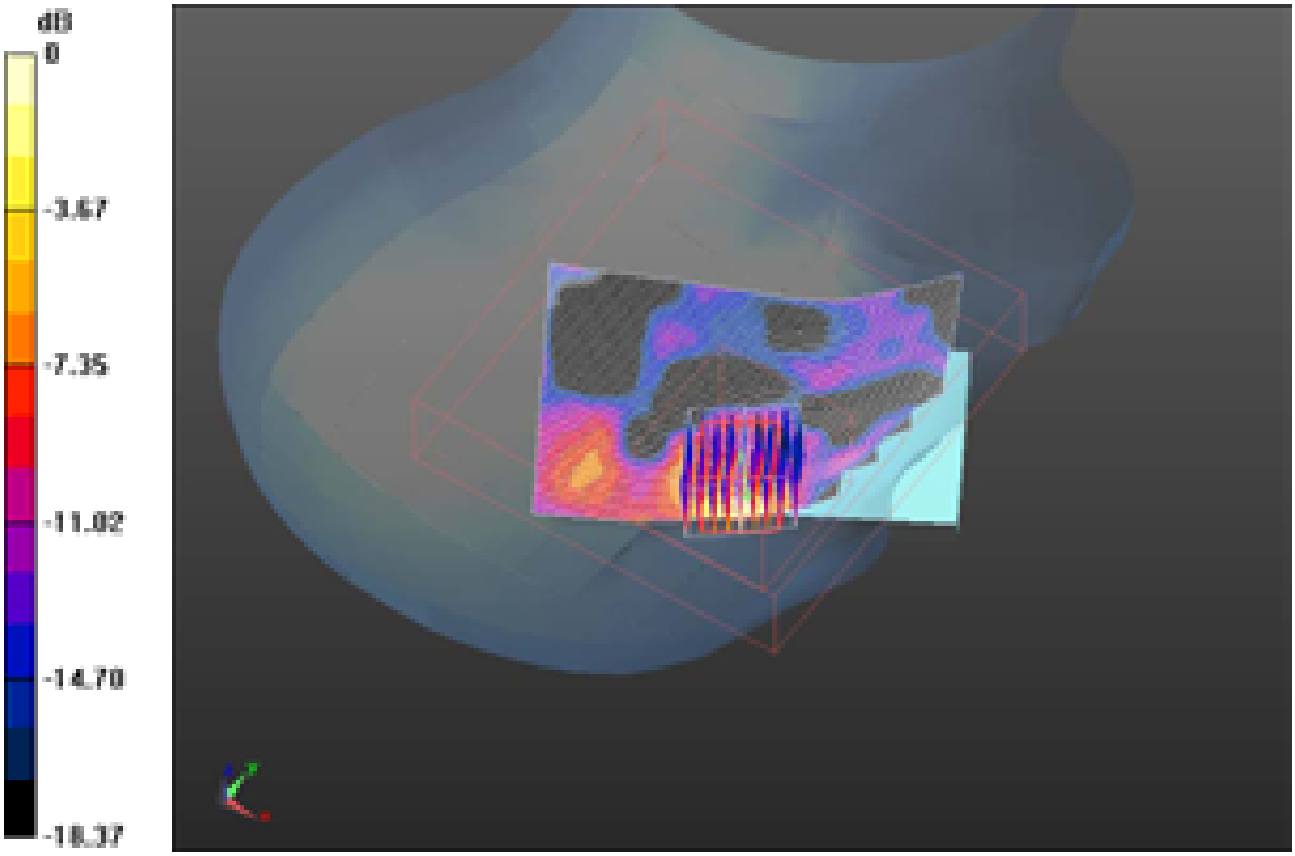
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.213 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (9x9x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.628 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.228 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.230mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 10:11:33 AM, Date/Time: 9/16/2011 2:41:24 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_low_band_chan_56_amb_temp_23.9_liq_temp _23.0C_Nongraded

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Frequency: 5280 MHz
Medium parameters used: f = 5280 MHz; σ = 4.794 mho/m; ε_r = 34.69; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

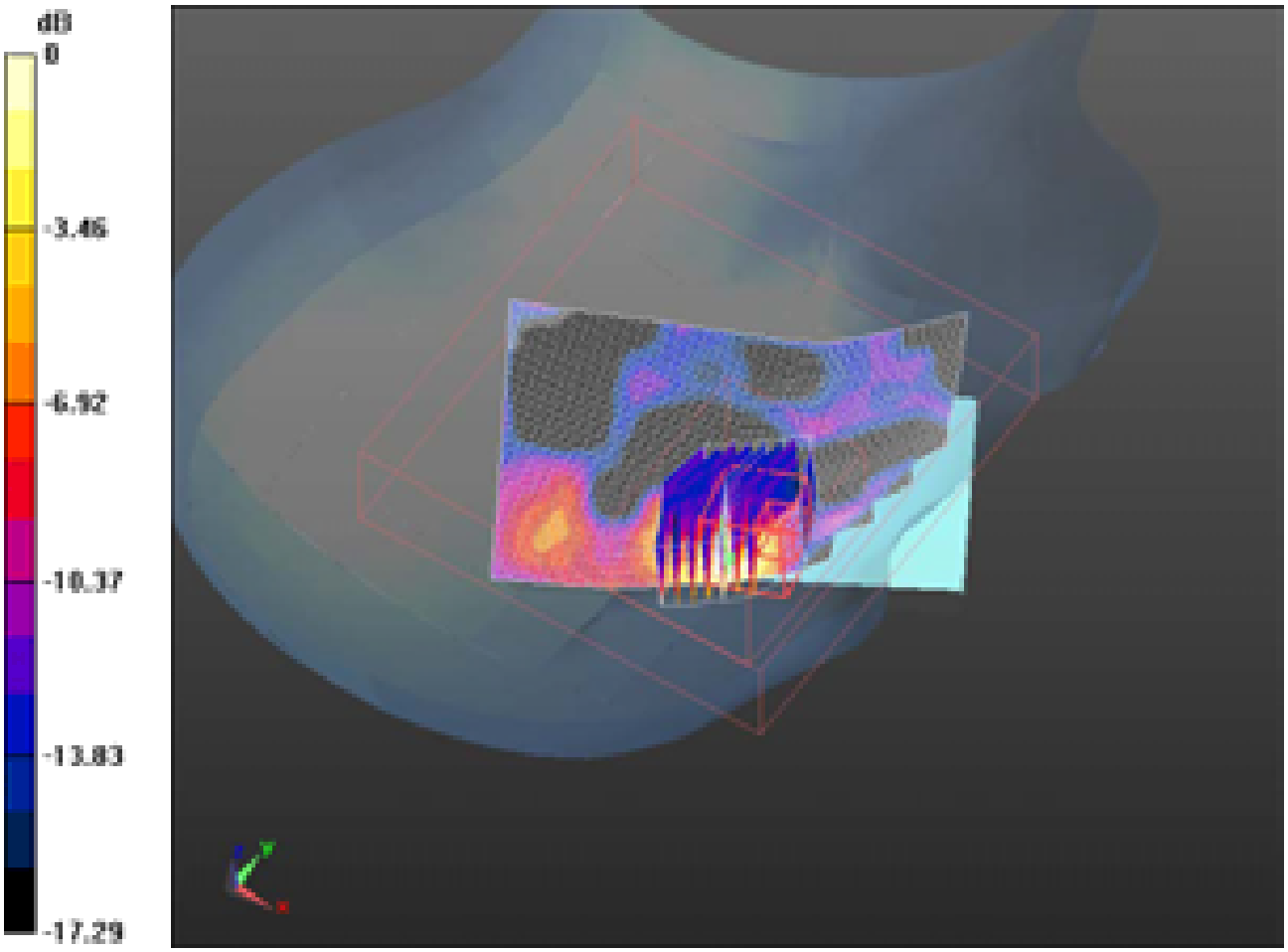
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.215 mW/g

Configuration/Touch position -_/Zoom Scan (4x4x2.5mm) (8x8x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 7.133 V/m; Power Drift = 0.34 dB
Peak SAR (extrapolated) = 1.529 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.211 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.210mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 10:54:58 AM, Date/Time: 8/18/2011 11:06:18 AM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_l_chan_124_amb_temp_23.7_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5620 MHz;Communication System PAR: 0 dB
Medium parameters used (extrapolated): f = 5620 MHz; σ = 5.285 mho/m; ε_r = 35.238; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.25, 4.25, 4.25); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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)

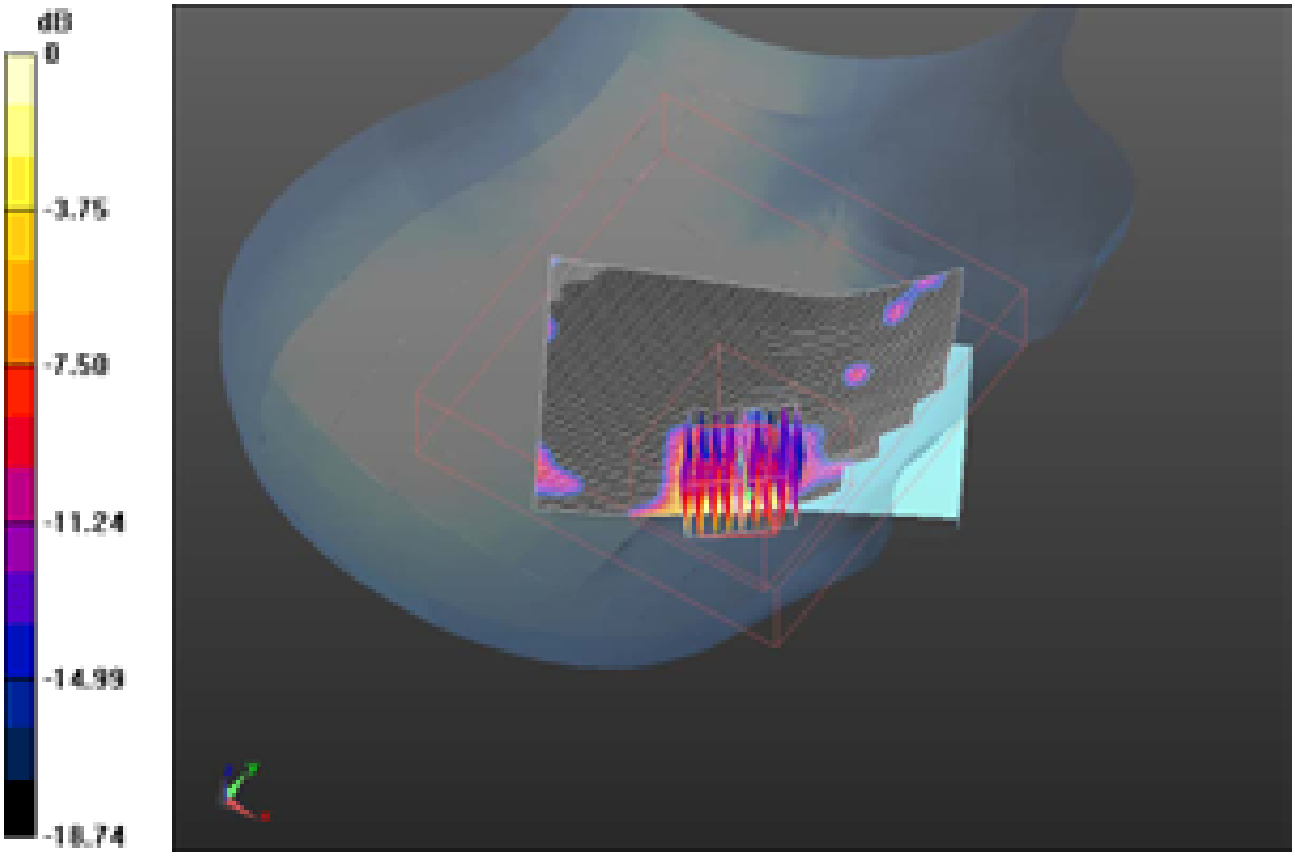
Configuration/Touch position - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.171 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (9x9x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.606 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.172 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.170mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 11:59:53 AM, Date/Time: 8/18/2011 12:11:11 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_II_chan_149_amb_temp_23.7_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5745 MHz; σ = 5.235 mho/m; ε_r = 34.003; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

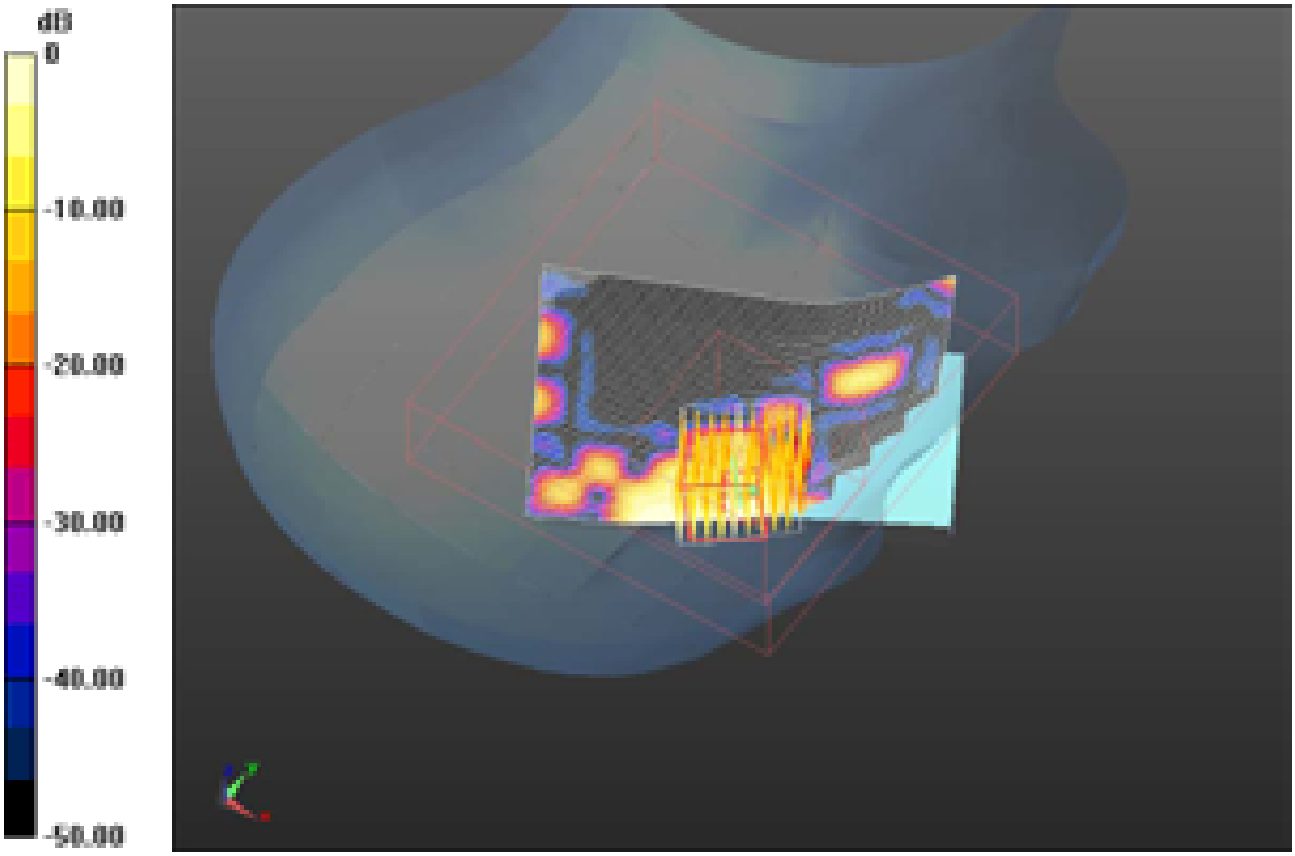
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.148 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (10x10x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 6.246 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.156 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.160mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 2:14:37 PM, Date/Time: 8/18/2011 2:25:59 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11a_low_band_chan_56_amb_temp_23.8_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5280 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5280 MHz; σ = 4.769 mho/m; ε_r = 34.217; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

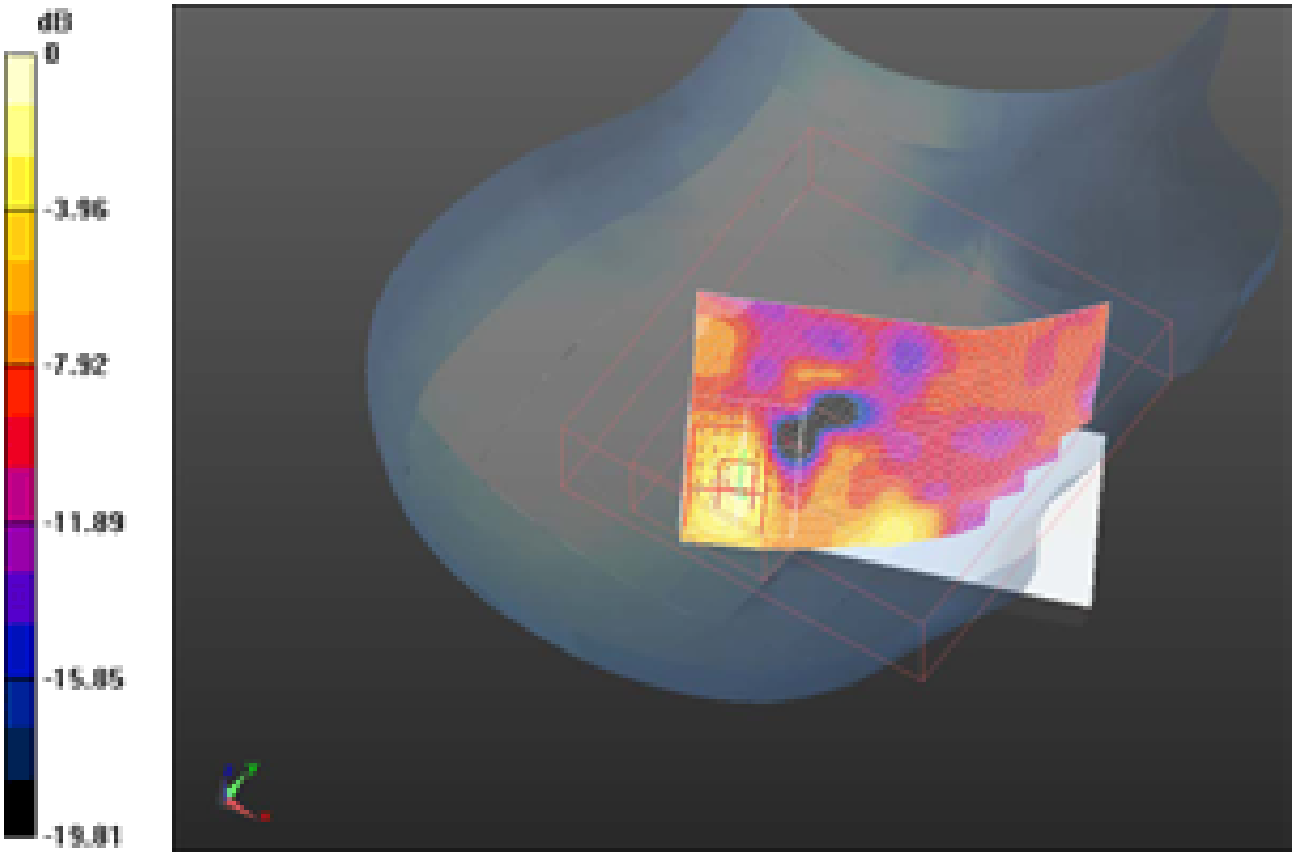
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.076 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (9x9x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.683 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.097 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.100mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/17/2011 7:50:18 PM, Date/Time: 8/17/2011 8:02:30 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_36_amb_temp_23.4_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5180 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5180 MHz; σ = 4.643 mho/m; ε_r = 34.433; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

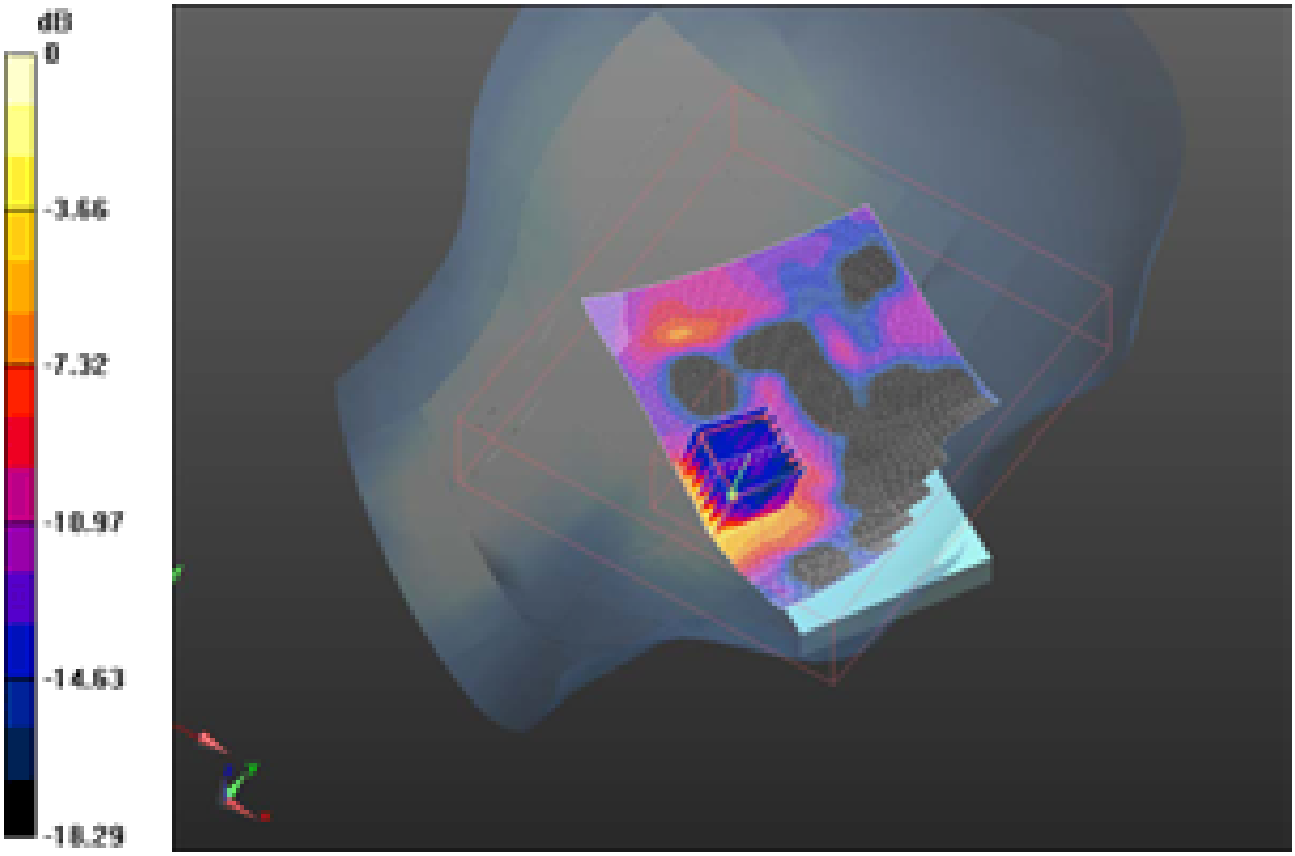
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.203 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (7x7x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.597 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.236 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.240mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/17/2011 9:26:35 PM, Date/Time: 8/17/2011 9:38:51 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_56_amb_temp_23.0_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5280 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5280 MHz; σ = 4.769 mho/m; ε_r = 34.217; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

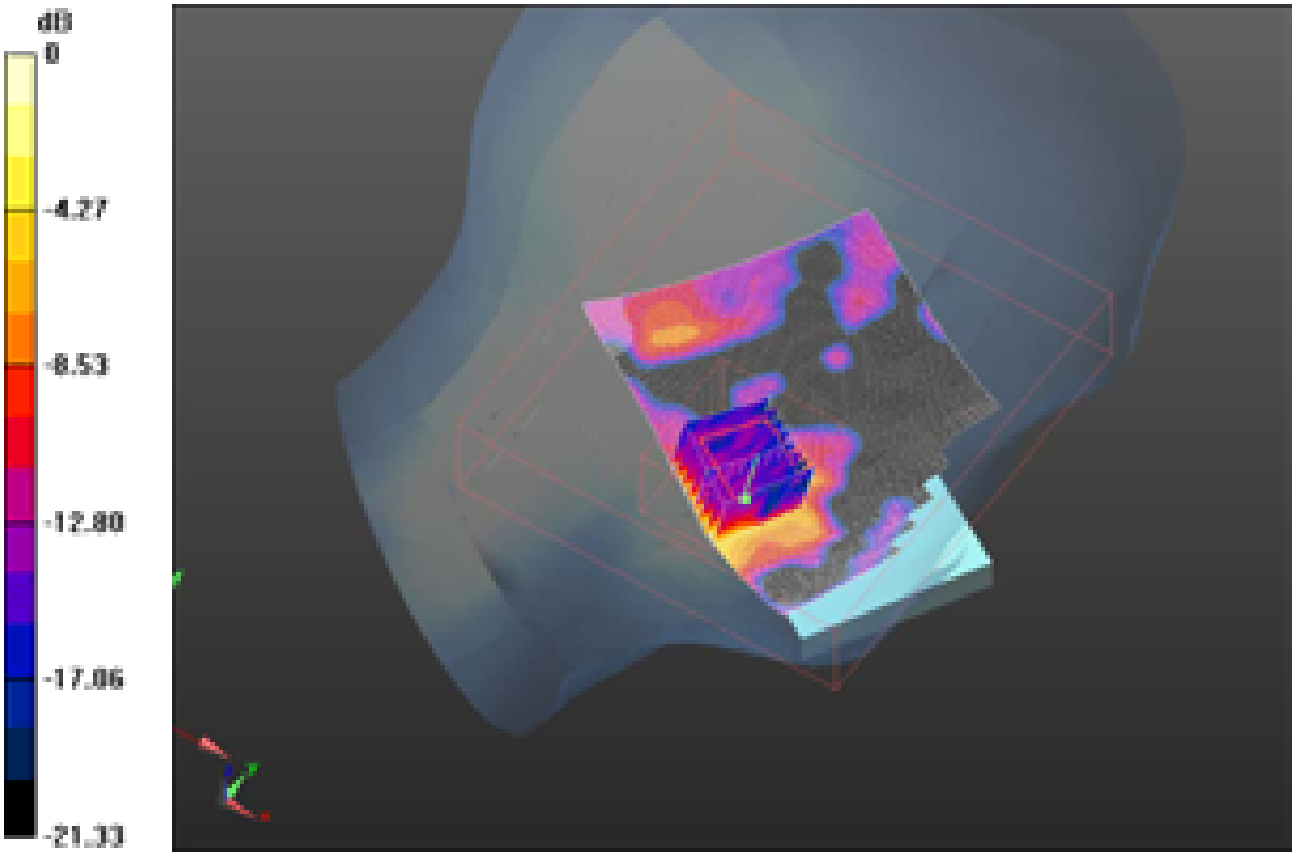
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.239 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (8x8x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.232 V/m; Power Drift = 0.32 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.294 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.290mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/17/2011 9:26:35 PM, Date/Time: 9/16/2011 12:12:13 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_56_amb_temp_23.4_liq_temp_22.8C_NonGraded

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5280 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5280 MHz; σ = 4.794 mho/m; ε_r = 34.69; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

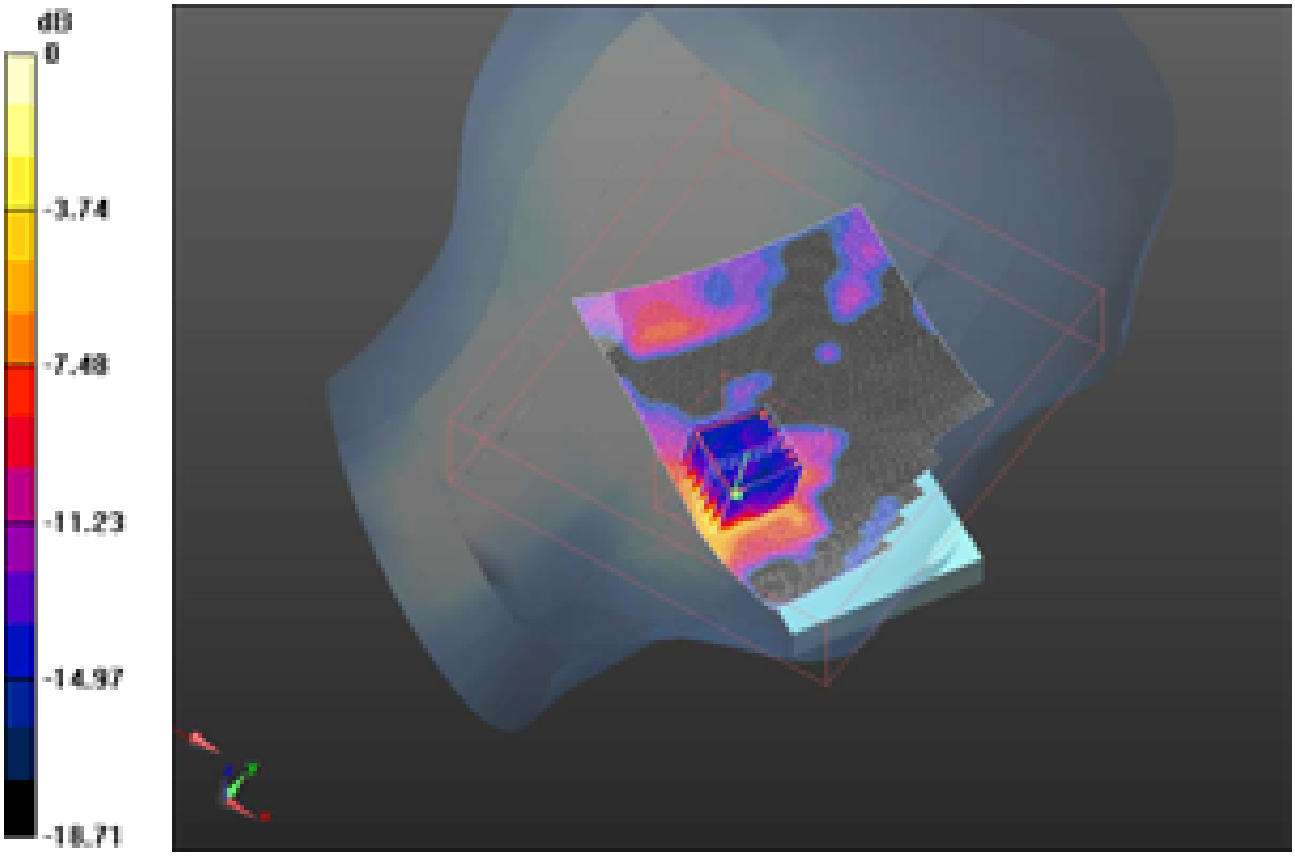
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.241 mW/g

Configuration/Touch position -_/Zoom Scan (4x4x2.5) (7x7x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 8.670 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.145 W/kg
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.312 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.310mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/17/2011 10:33:18 PM, Date/Time: 8/17/2011 10:45:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_l_chan_124_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5620 MHz;Communication System PAR: 0 dB
Medium parameters used (extrapolated): f = 5620 MHz; σ = 5.285 mho/m; ε_r = 35.238; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.25, 4.25, 4.25); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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)

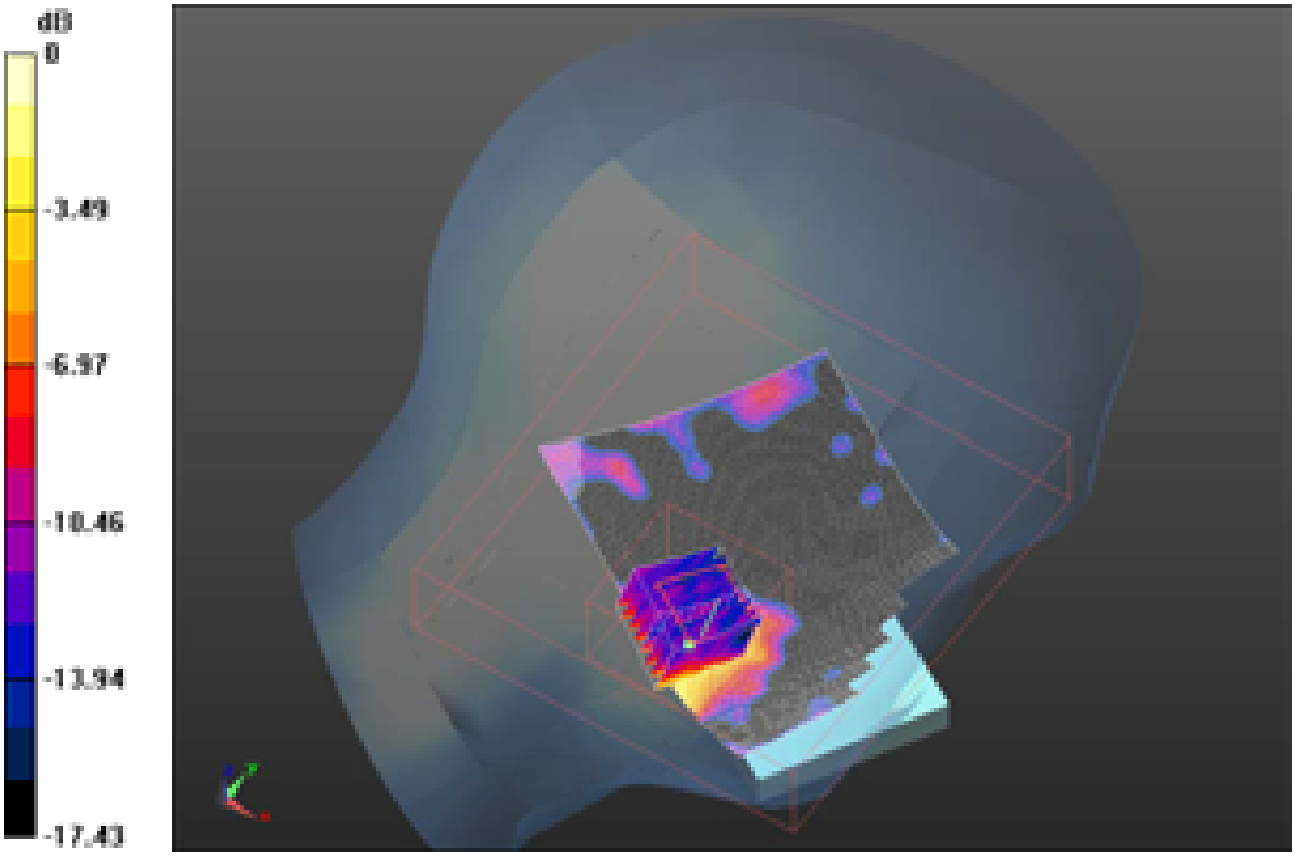
Configuration/Touch position - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.181 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (8x8x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.284 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.202 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.200mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/17/2011 11:24:21 PM, Date/Time: 8/17/2011 11:36:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_II_chan_149_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5600 MHz; σ = 5.262 mho/m; ε_r = 35.264; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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)

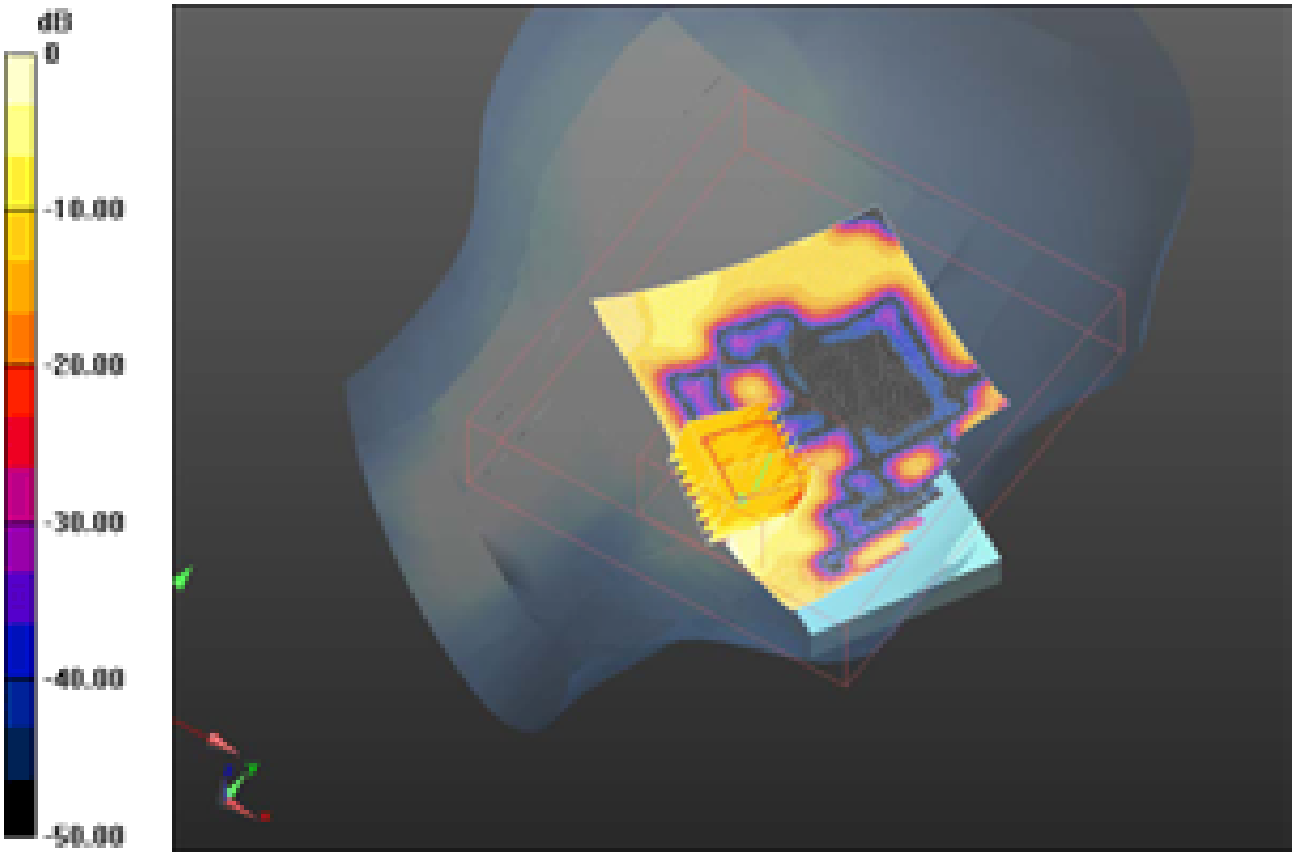
Configuration/Touch position - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.175 mW/g

Configuration/Touch position - 2/Zoom Scan 4x4x2.5, graded), dist=2mm (8x8x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.817 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.196 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.200mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Date/Time: 8/18/2011 1:02:05 AM, Date/Time: 8/18/2011 1:14:20 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11a_low_band_chan_56_amb_temp_23.5_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5280 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 5280 MHz; σ = 4.769 mho/m; ε_r = 34.217; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

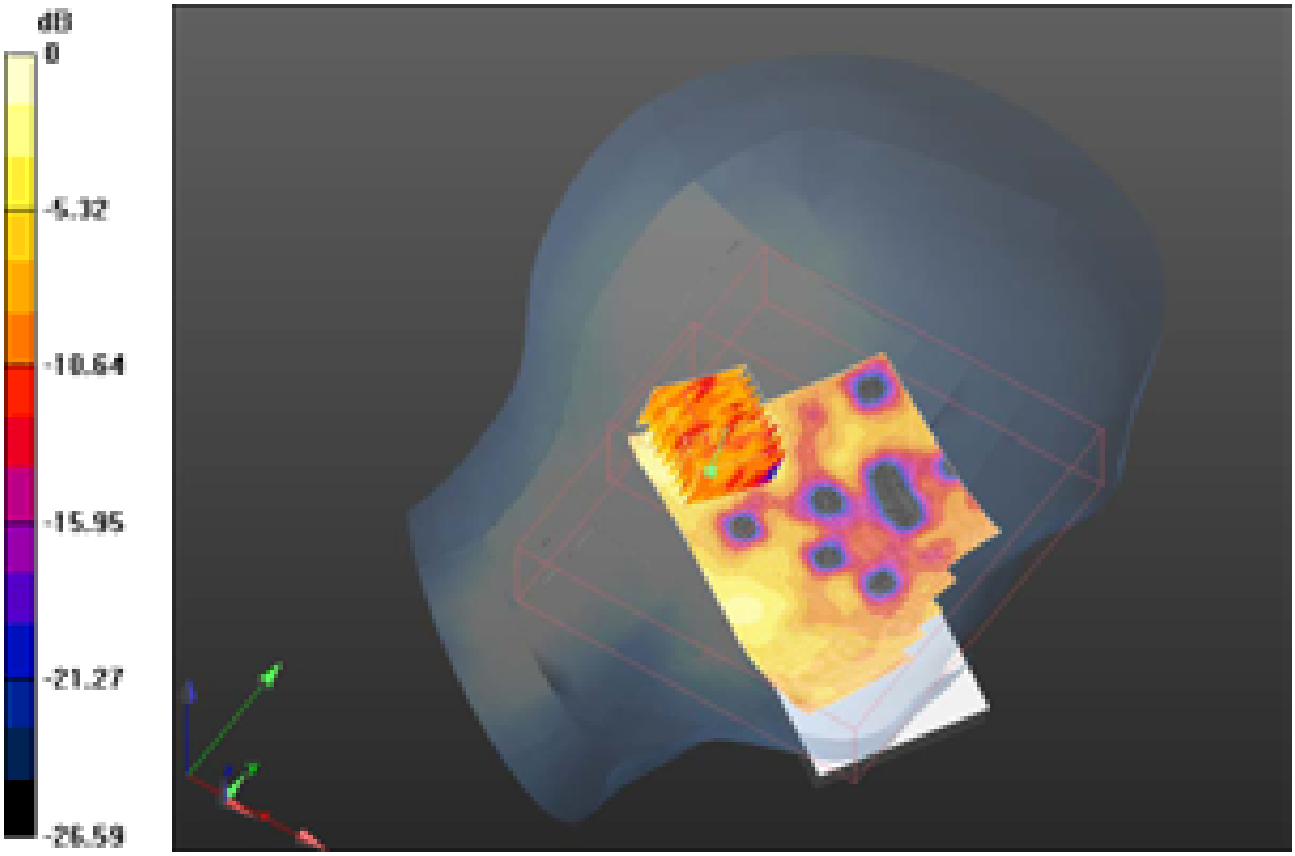
DASY5 Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.5, 4.5, 4.5); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (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 - 2/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.072 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5, graded), dist=2mm (9x9x5)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.875 V/m; Power Drift = 0.85 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.068 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 0.070mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Multi-Band Average SAR_RHT_UMTS band V_802.11b

Multi-Band Configurations:

DASY Configuration for Configuration/Touch position - 2/Volume Scan:

Date/Time: 9/15/2011 2:06:29 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_UMTS_band_V_mid_chan_amb_temp_24.1_liq_temp_22.7C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.939 mho/m; ε_r = 39.875; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(6.11, 6.11, 6.11); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

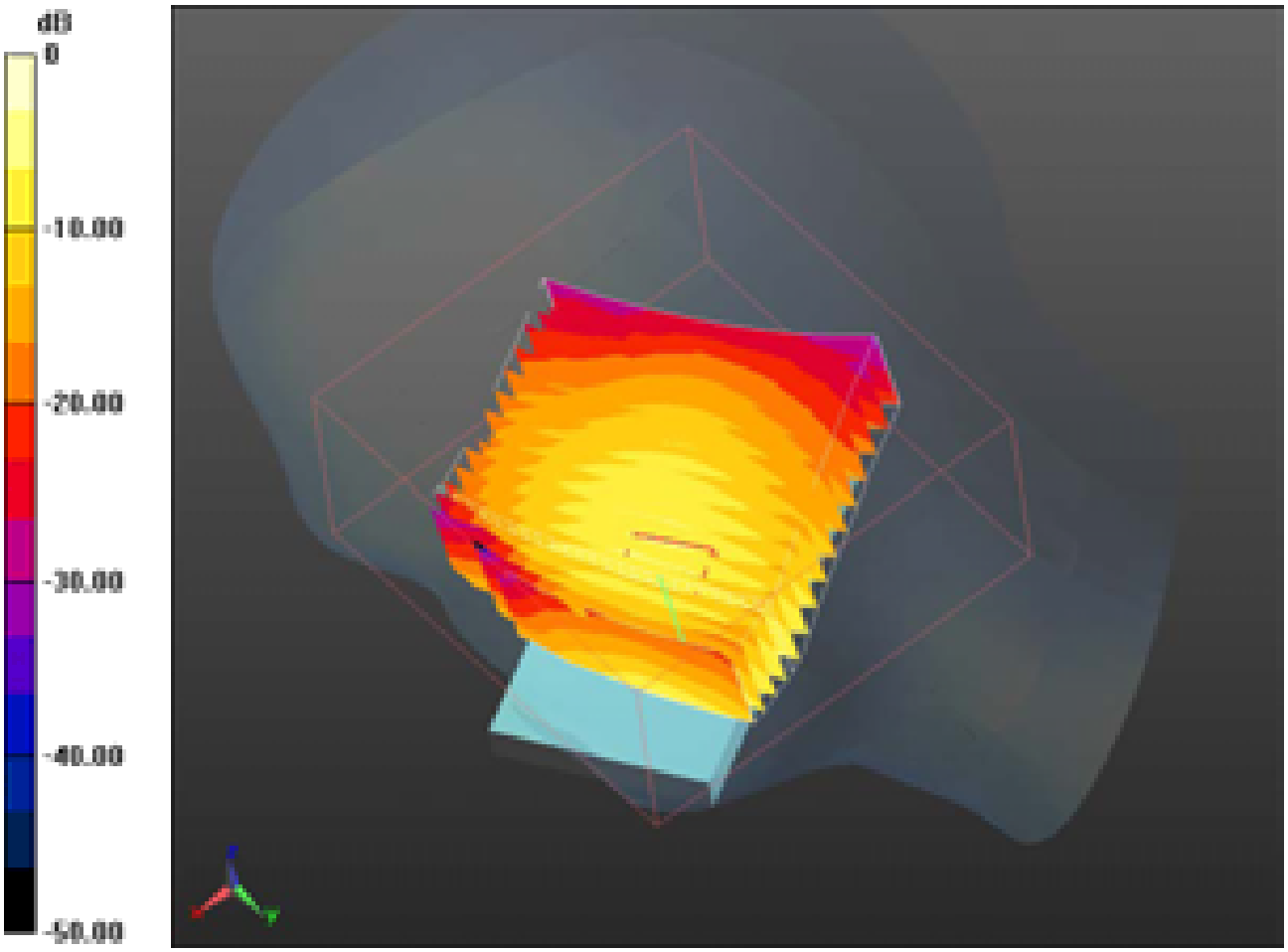
DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/7/2011 10:54:50 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_mid_chan_amb_temp_23.5_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

Multi Band Result:
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.862 mW/g
Maximum value of SAR (interpolated) = 1.852 mW/g



0 dB = 1.850mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Multi-Band Average SAR_RHT_EDGE_GSM1900_802.11b

Multi-Band Configurations:

DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/13/2011 8:10:33 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_EDGE1900_high_chan_amb_temp_23.2_liq_temp_22.8C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A
Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952
Medium: HSL1900 Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

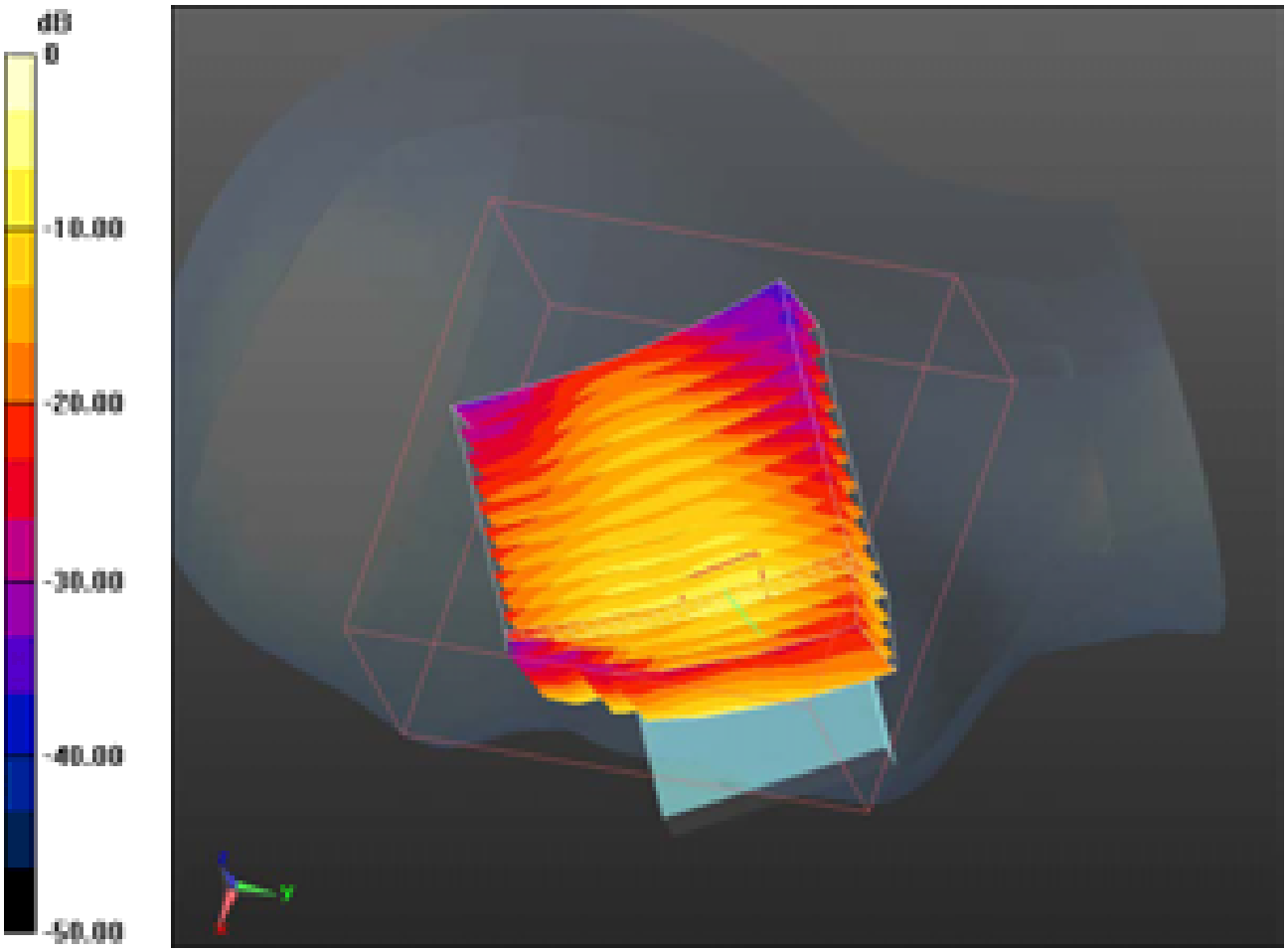
DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/7/2011 10:54:50 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_mid_chan_amb_temp_23.5_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

Multi Band Result:
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.687 mW/g
Maximum value of SAR (interpolated) = 1.647 mW/g



0 dB = 1.650mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Multi-Band Average SAR_EDGE_GSM1900_802.11b_BT

Multi-Band Configurations:

DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/13/2011 9:43:51 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_EDGE1900_high_chan_amb_temp_23.5_liq_temp_23.1C.da52:0
DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A
Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952
Medium: HSL1900 Medium parameters used: f = 1910 MHz; σ = 1.398 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/7/2011 7:44:27 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_802.11b_mid_chan_amb_temp_23.8_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

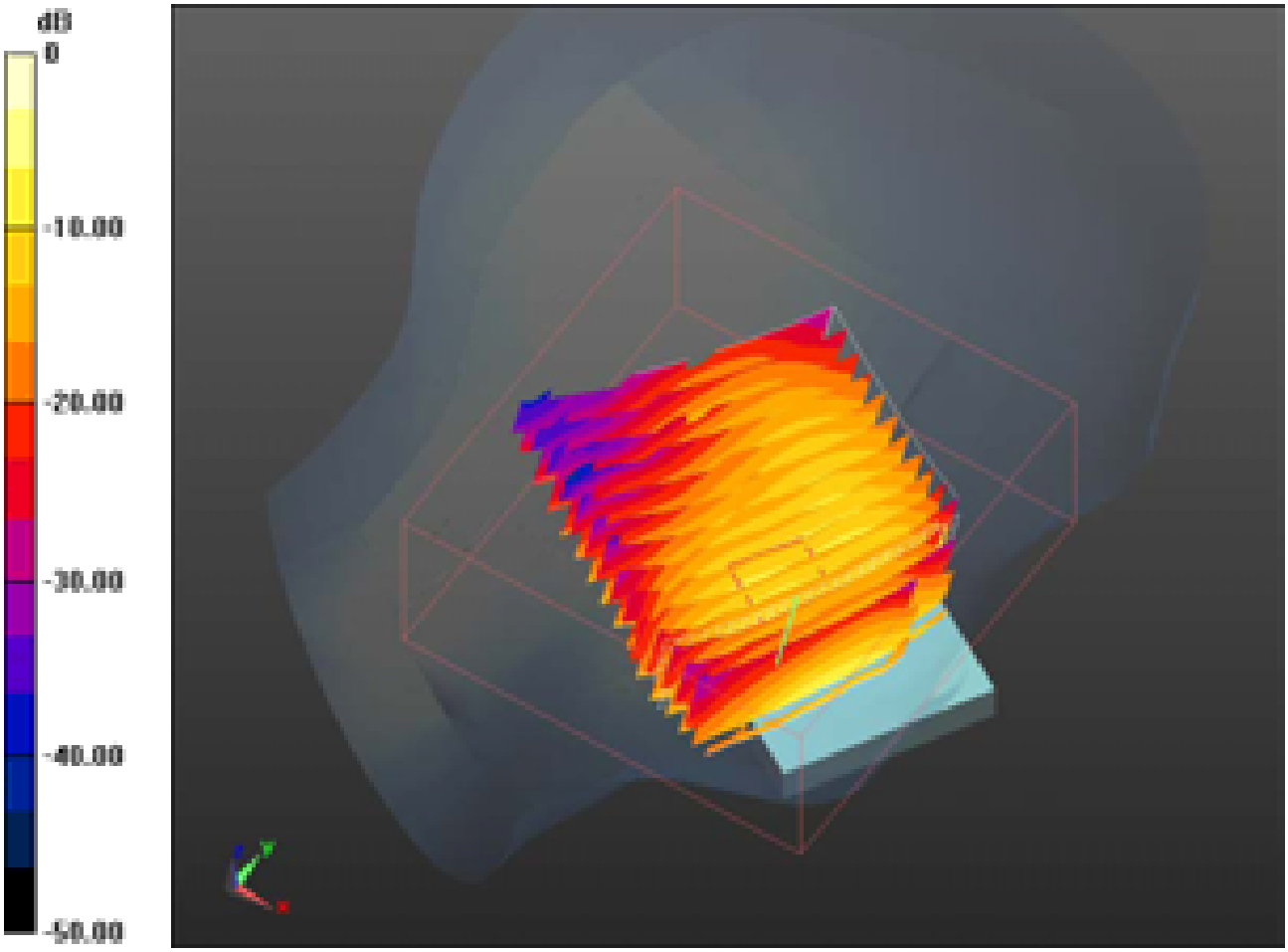
DASY Configuration for Configuration/Touch position Volume Scan/Volume Scan:

Date/Time: 9/8/2011 12:39:33 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.4_liq_temp_22.6C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

Multi Band Result:
SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.739 mW/g
Maximum value of SAR (interpolated) = 2.196 mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 2.200mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Multi-Band Average SAR_UMTS_band_II_802.11b_BT

Multi-Band Configurations:

DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan (5x5x7):

Date/Time: 9/13/2011 5:51:12 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_UMTS_band_II_high_chan_amb_temp_23.3_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2846CB6A
Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

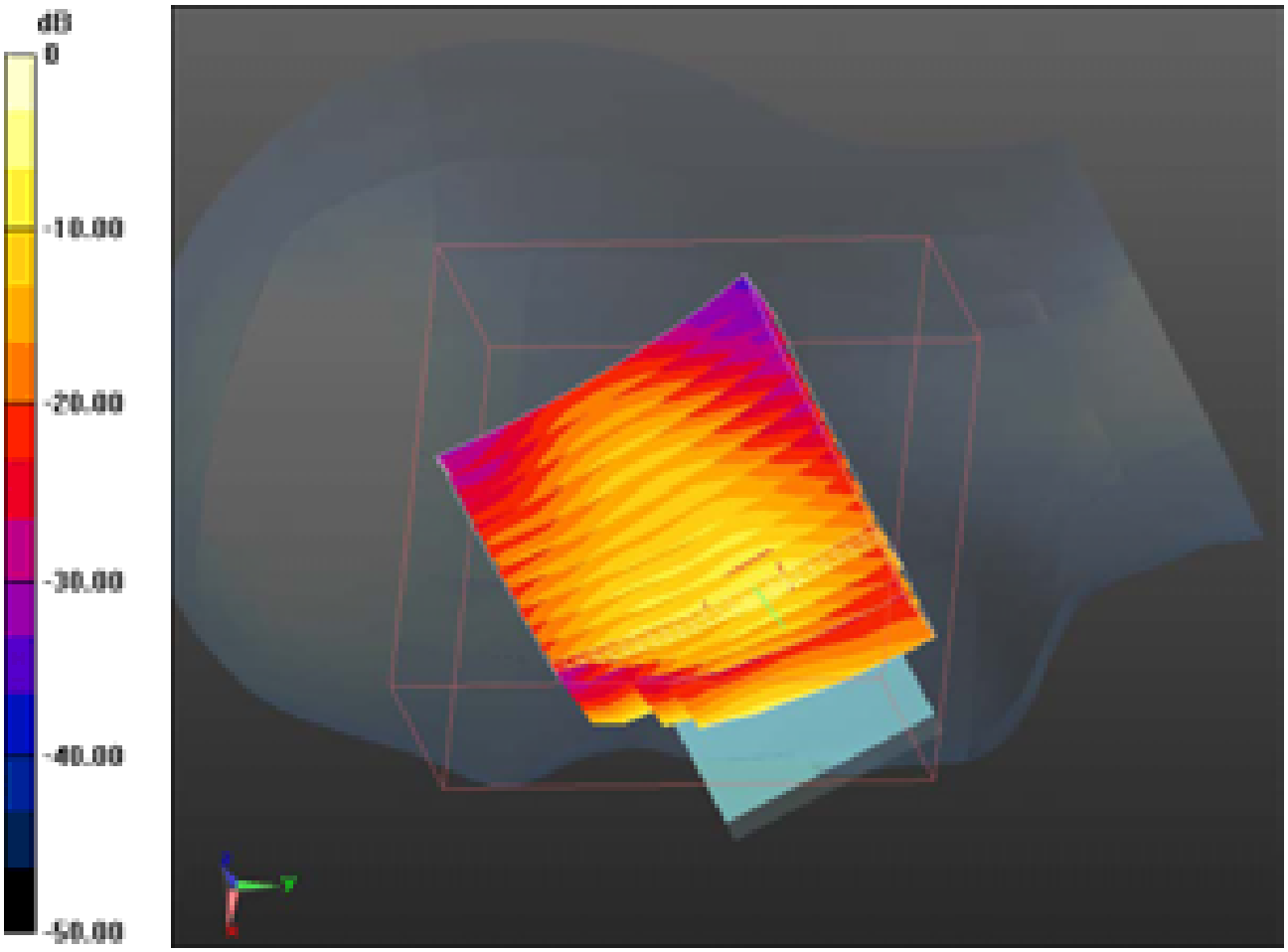
DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/7/2011 10:54:50 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_mid_chan_amb_temp_23.5_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

Multi Band Result:
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.755 mW/g
Maximum value of SAR (interpolated) = 1.816 mW/g



0 dB = 1.820mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for Configuration/Touch position - 2/Volume Scan:

Date/Time: 9/13/2011 2:13:41 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_UMTS_band_II_high_chan_amb_temp_22.9_liq_temp_22.3C.da52:0
DUT: BlackBerry Smartphone; Type: Sample; Serial: 2846CB6A
Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.395 mho/m; ε_r = 39.011; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

DASY Configuration for Configuration/Touch position - Volume Scan/Volume Scan:

Date/Time: 9/7/2011 7:44:27 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_802.11b_mid_chan_amb_temp_23.8_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2437 MHz; σ = 1.863 mho/m; ε_r = 38.106; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

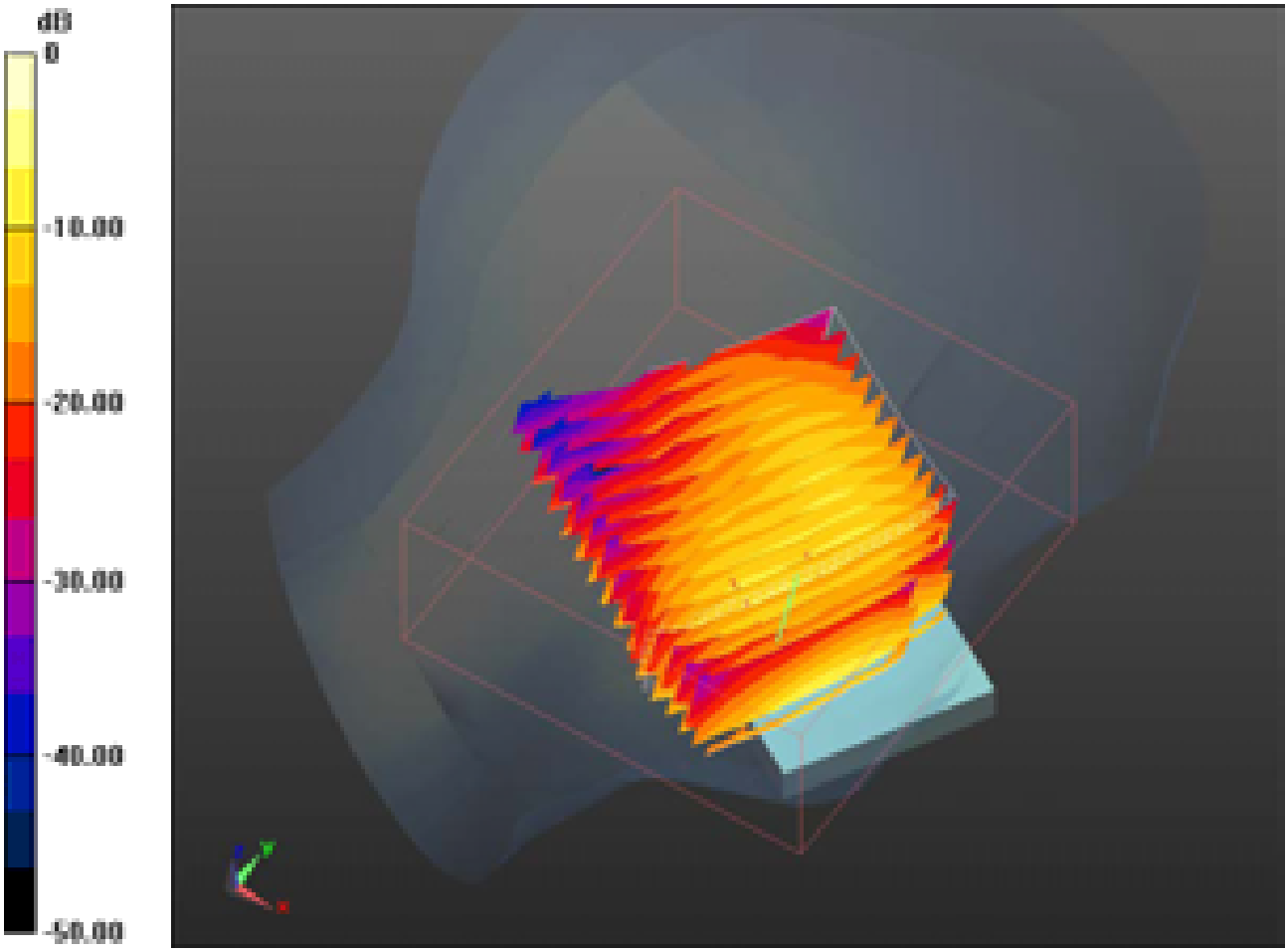
DASY Configuration for Configuration/Touch position Volume Scan/Volume Scan:

Date/Time: 9/8/2011 12:39:33 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.4_liq_temp_22.6C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27DD7A26
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/1528)

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (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)

Multi Band Result:
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.771 mW/g
Maximum value of SAR (interpolated) = 2.209 mW/g

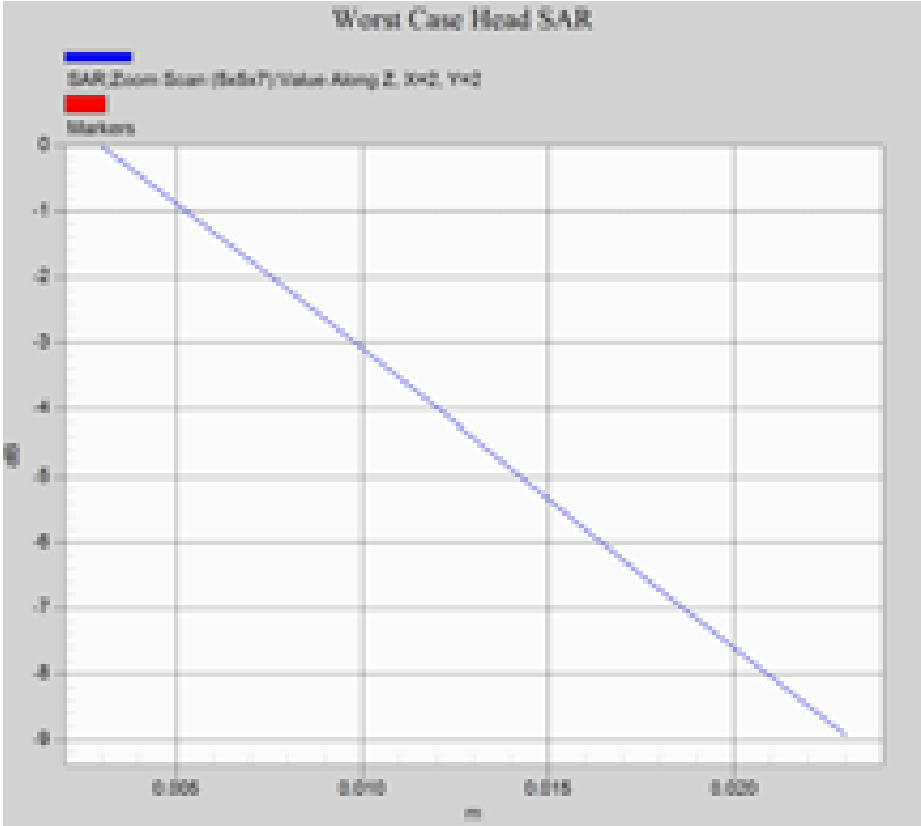
This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited



0 dB = 2.210mW/g

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

Z axis plot for the worst case head configuration:



This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited