APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Date/Time: 8/4/2011 11:24:35 PM, Date/Time: 8/4/2011 11:31:38 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_low_chan_amb_temp_22.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

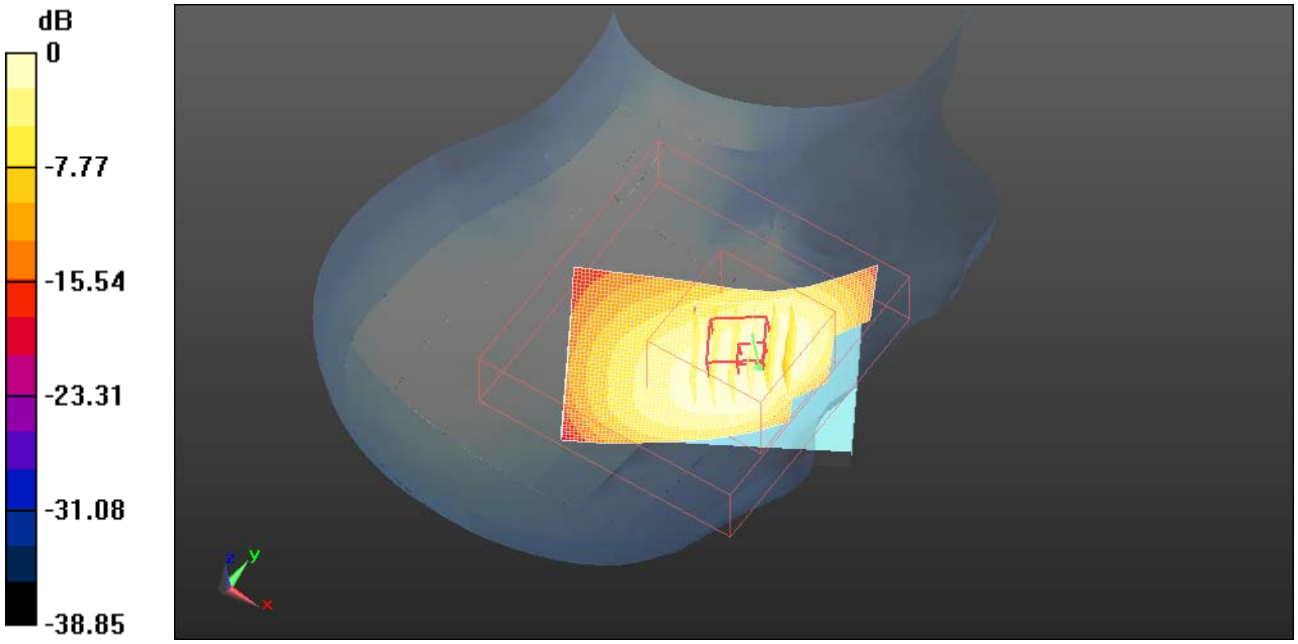
Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 824.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 825 MHz; σ = 0.897 mho/m; ε_r = 41.213; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(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
Maximum value of SAR (interpolated) = 1.096 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.290 V/m; Power Drift = 0.0047 dB
Peak SAR (extrapolated) = 1.310 W/kg
SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.684 mW/g
Maximum value of SAR (measured) = 1.078 mW/g



0 dB = 1.080mW/g

Date/Time: 8/4/2011 10:27:42 PM, Date/Time: 8/4/2011 10:32:46 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_22.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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; $\sigma = 0.908$ mho/m; $\varepsilon_r = 41.104$; $\rho = 1000$ kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

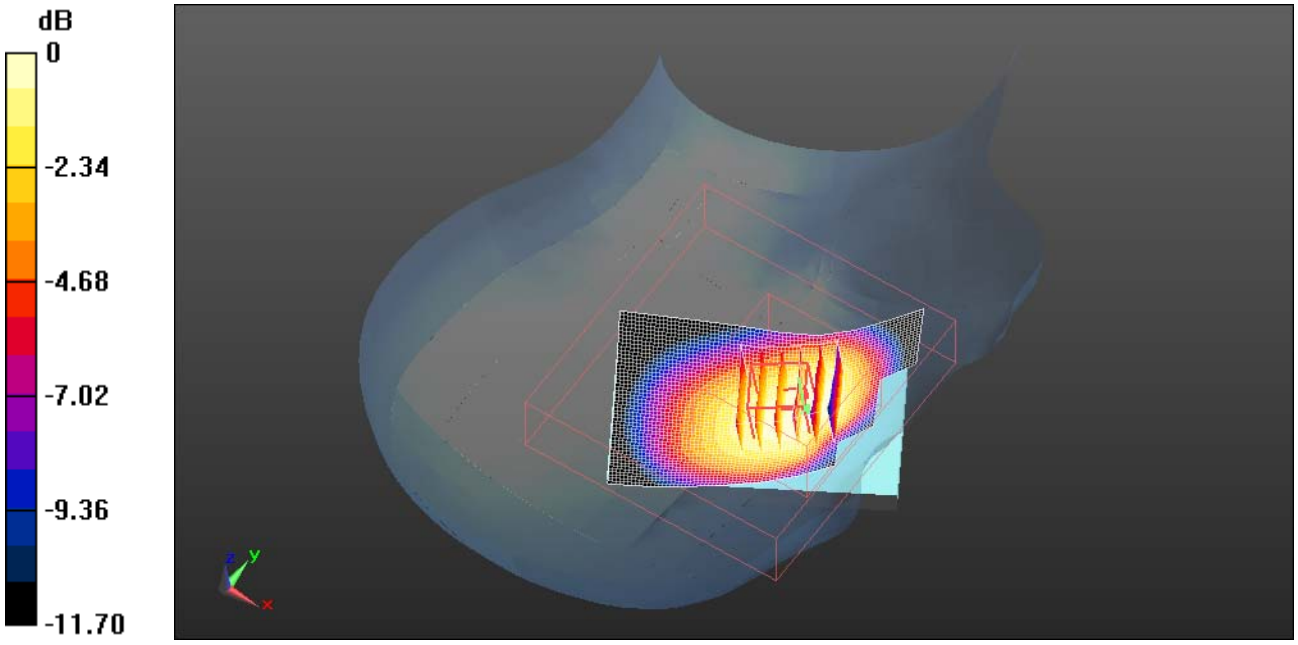
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.167 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.551 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.370 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.733 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.138 mW/g



0 dB = 1.140mW/g

Date/Time: 8/4/2011 11:49:06 PM, Date/Time: 8/4/2011 11:54:10 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_high_chan_amb_temp_22.6_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.919 mho/m; ε_r = 40.937; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

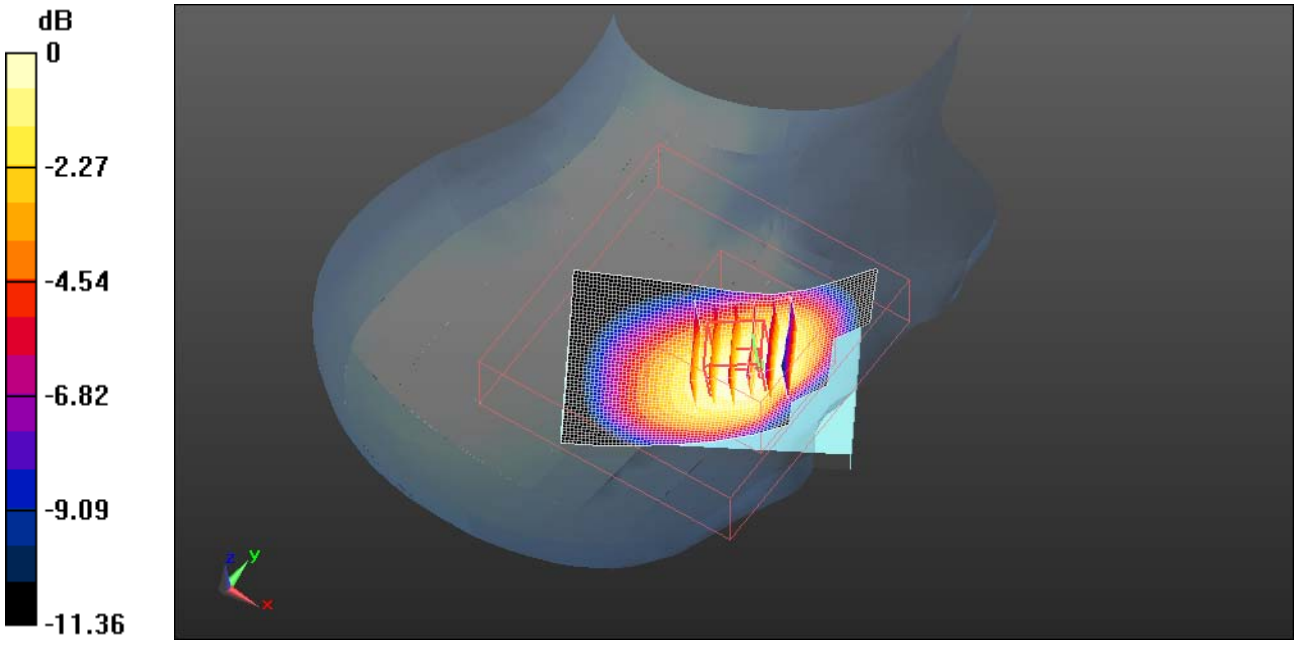
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.195 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.002 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.389 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.746 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.164 mW/g



0 dB = 1.160mW/g

Date/Time: 9/15/2011 8:05:45 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_EDGE850_high_chan_amb_temp_23.5_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

Communication System: EDGE 850 (2slots); Communication System Band: EDGE 850; Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.949 mho/m; ε_r = 39.687; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

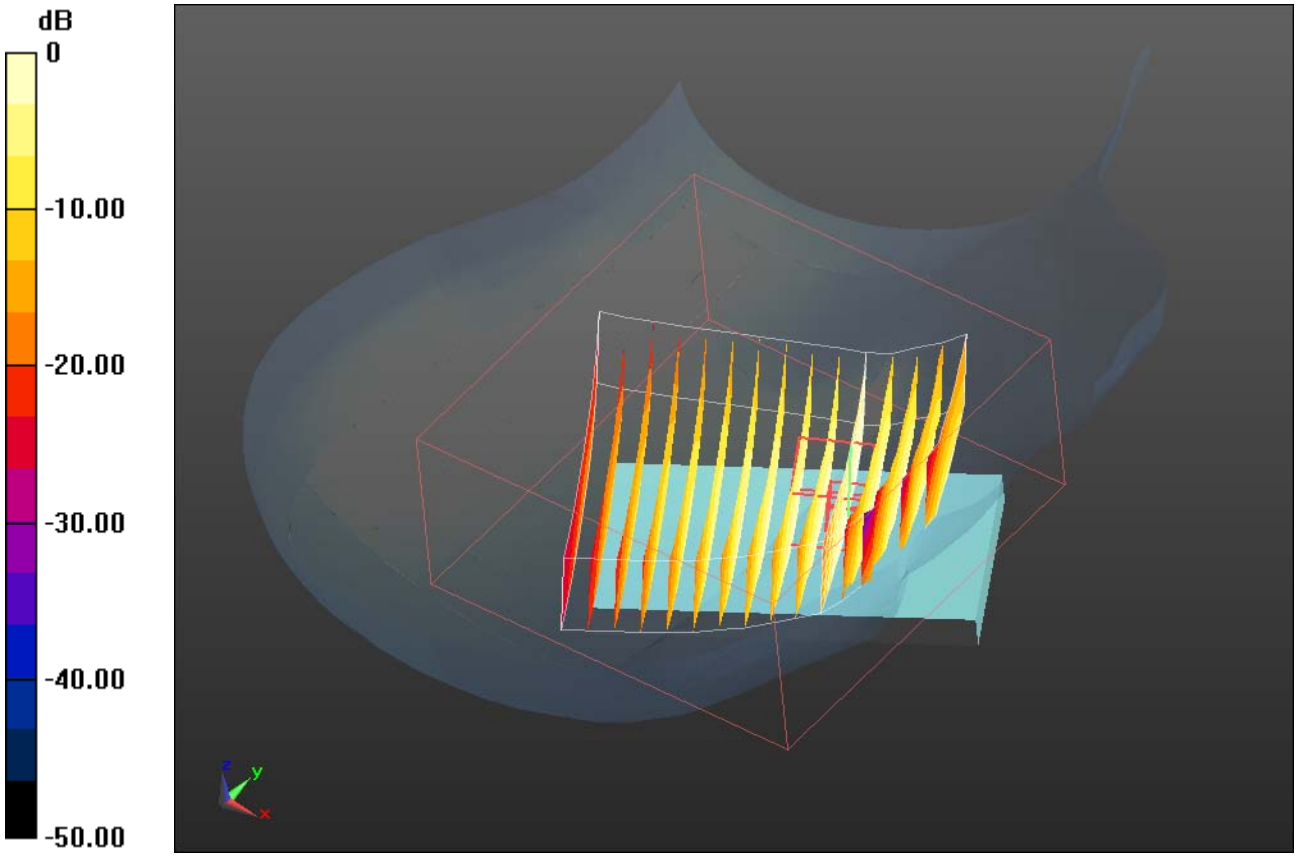
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.11, 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 - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.898 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 1.563 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.816 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.287 mW/g



0 dB = 1.290mW/g

Date/Time: 8/5/2011 12:28:09 AM, Date/Time: 8/5/2011 12:33:19 AM, Date/Time: 8/5/2011 12:40:14 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE850_mid_chan_amb_temp_22.6_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 0.908 mho/m; ε_r = 41.104; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.635 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.042 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.429 mW/g

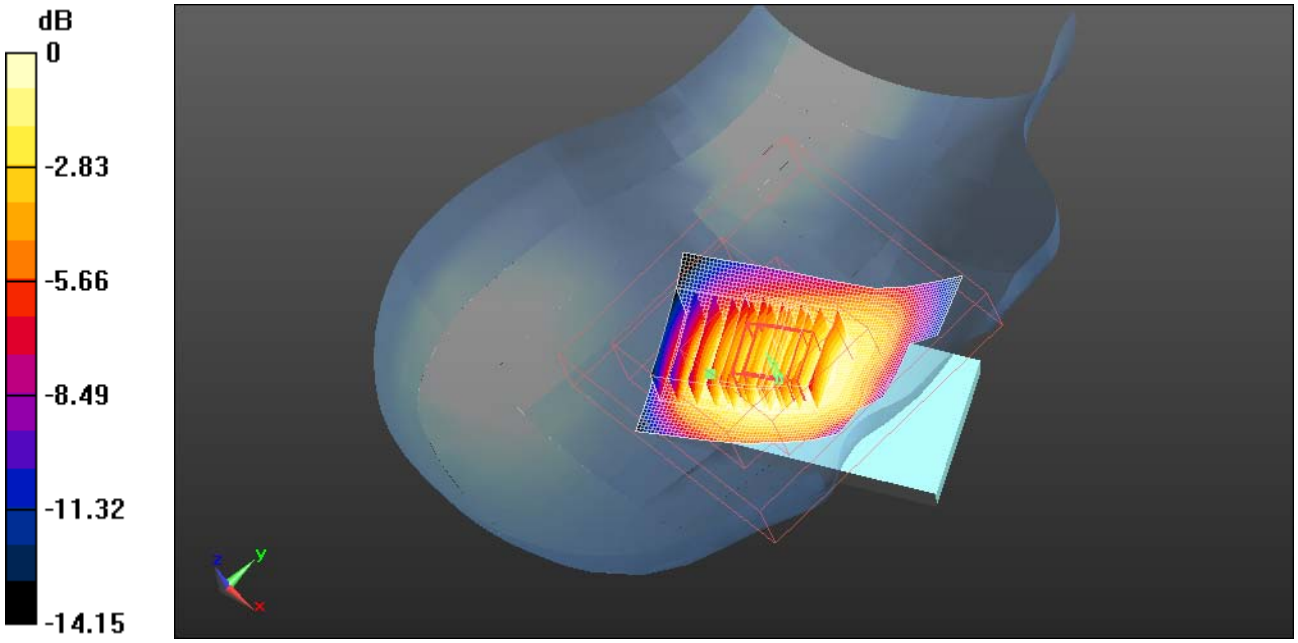
Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.639 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (6x8x5)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.042 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.422 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.633 mW/g



0 dB = 0.630mW/g

Date/Time: 8/5/2011 12:08:59 AM, Date/Time: 8/5/2011 12:14:03 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_high_chan_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: GSM 850; Communication System Band: GSM 850;
Frequency: 848.8 MHz;Communication System PAR: 9.191 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.919 mho/m; ε_r = 40.937; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

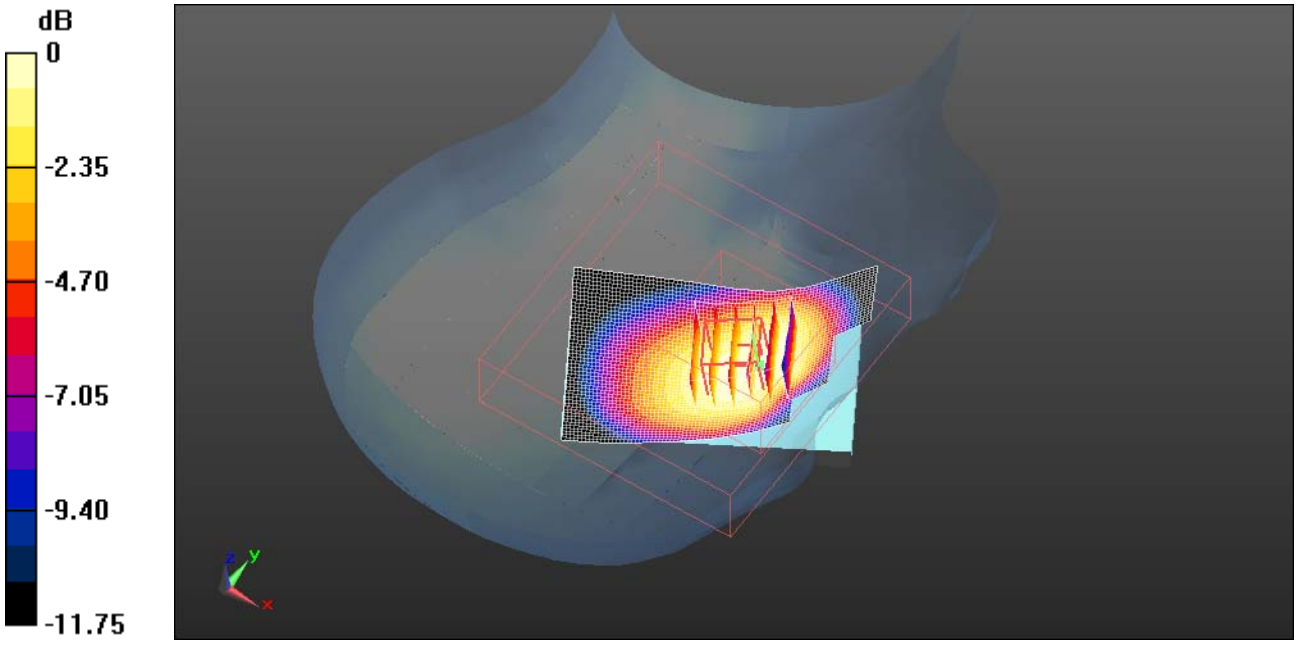
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.002 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.156 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.147 W/kg
SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.620 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.950mW/g

Date/Time: 8/4/2011 9:53:26 PM, Date/Time: 8/4/2011 9:58:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_mid_chan_amb_temp_23.2_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

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 = 0.908 mho/m; ε_r = 41.104; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

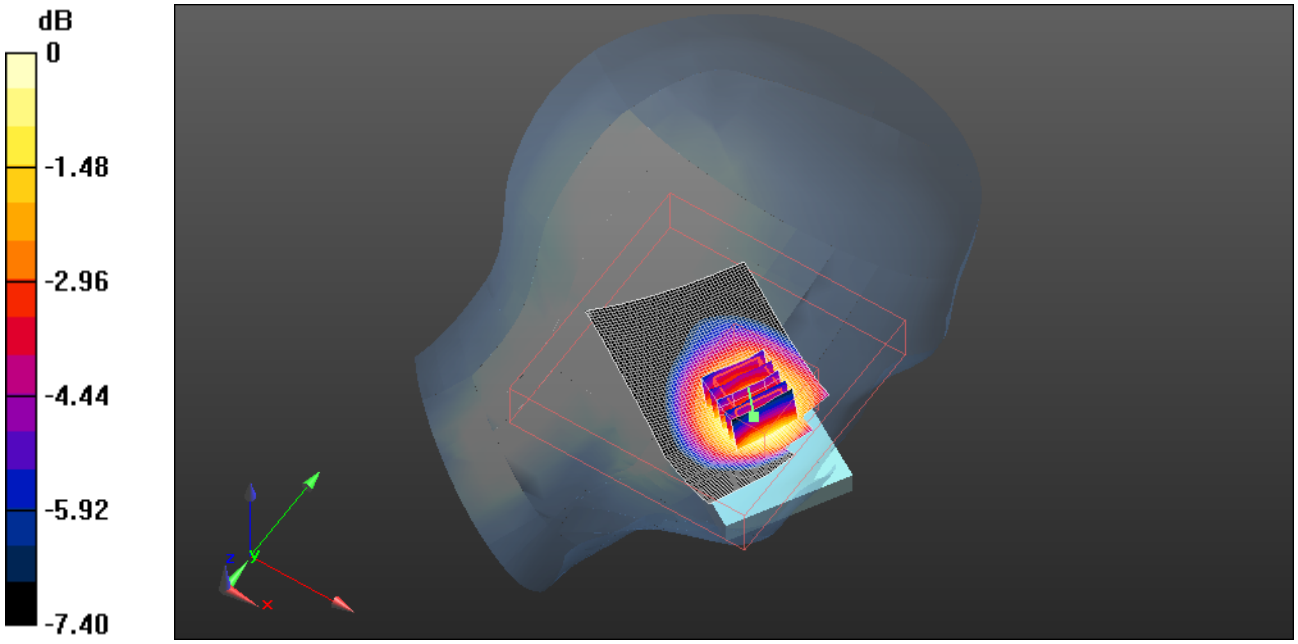
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.814 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.061 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.955 W/kg
SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.527 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.810mW/g

Date/Time: 8/4/2011 10:10:02 PM, Date/Time: 8/4/2011 10:15:10 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE850_mid_chan_amb_temp_22.9_liq_temp_22.5 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

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 = 0.908 mho/m; ε_r = 41.104; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

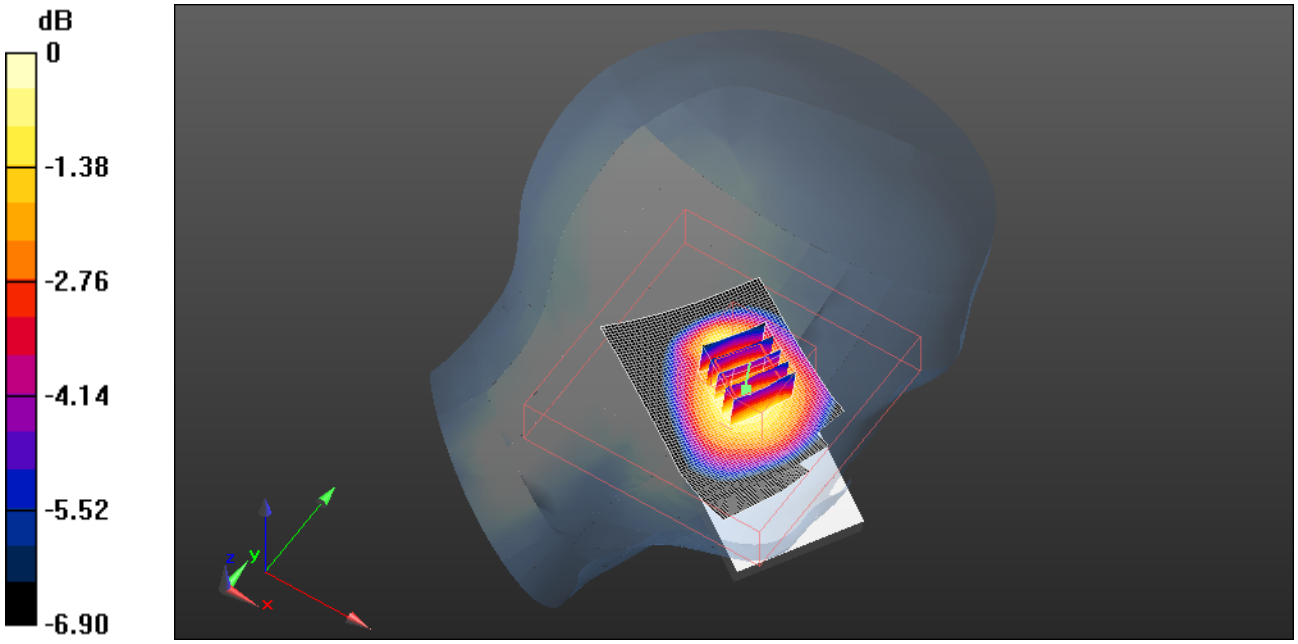
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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 = 19.975 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.690 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.379 mW/g

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



0 dB = 0.590mW/g

Date/Time: 8/5/2011 1:35:49 PM, Date/Time: 8/5/2011 1:41:14 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_low_chan_amb_temp_23.4_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.899 mho/m; ε_r = 41.196; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

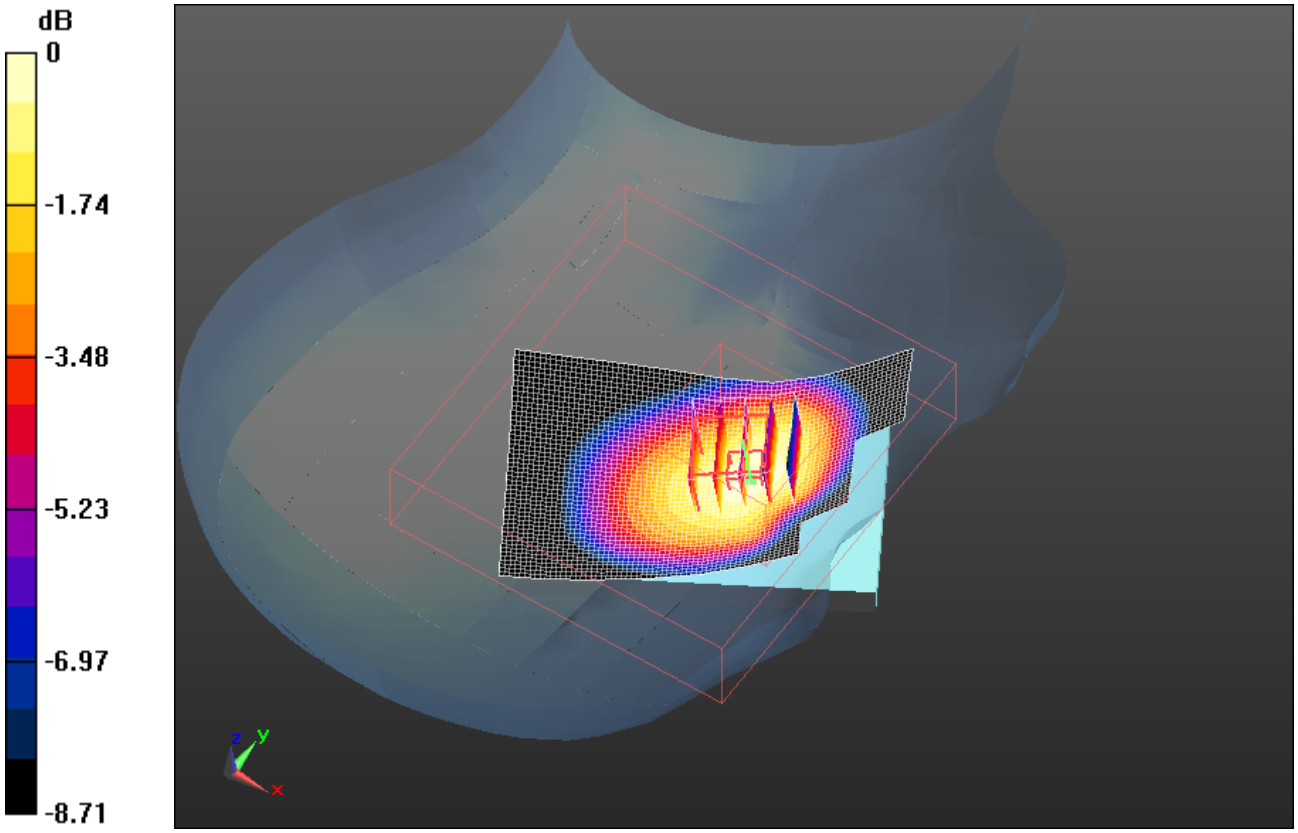
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 0.857 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.579 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.061 W/kg
SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.568 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.886 mW/g



0 dB = 0.890mW/g

Date/Time: 8/5/2011 1:24:27 PM, Date/Time: 8/5/2011 1:29:52 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_mid_chan_amb_temp_23.4_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 mho/m; ε_r = 41.11; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

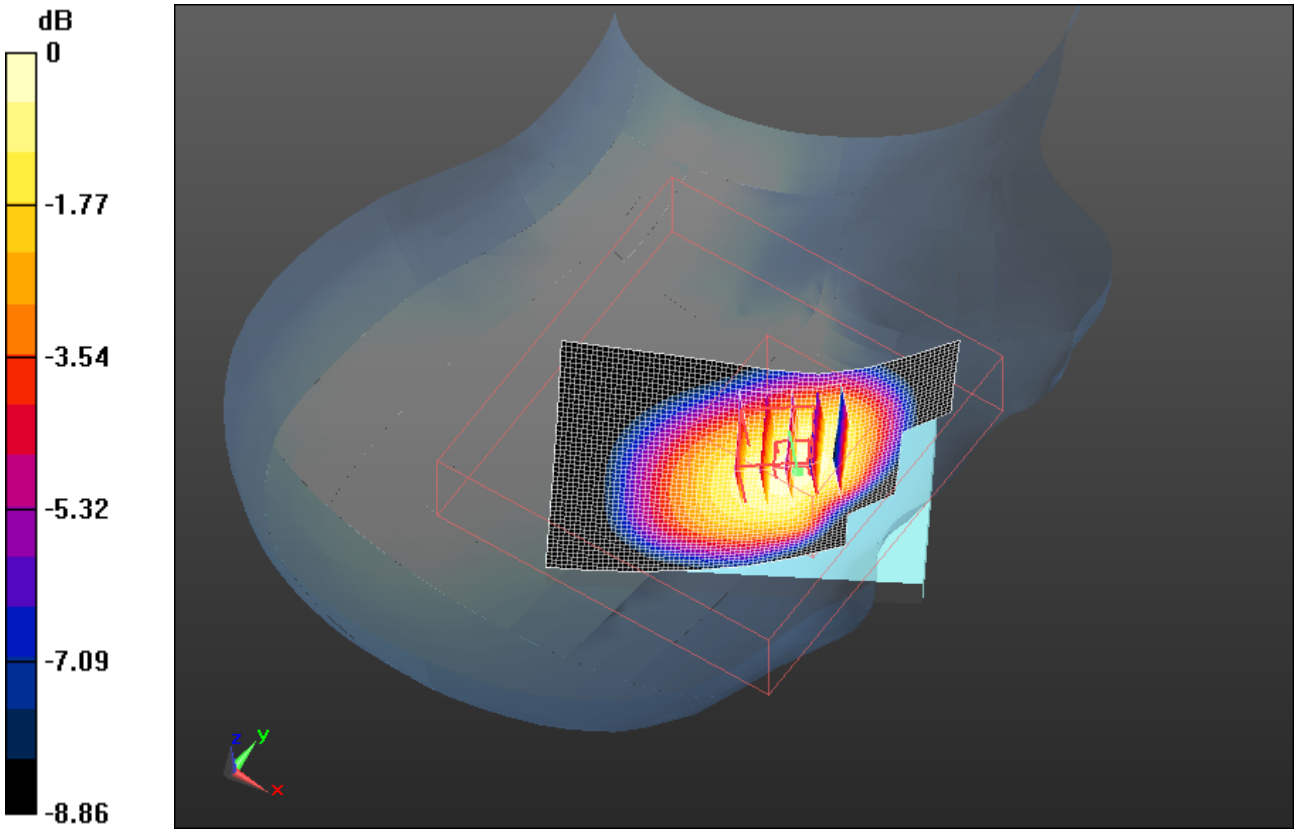
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 1.048 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.052 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.318 W/kg
SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.706 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.100 mW/g



0 dB = 1.100mW/g

Date/Time: 8/5/2011 1:47:06 PM, Date/Time: 8/5/2011 1:52:31 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_V_high_chan_amb_temp_23.3_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.916 mho/m; ε_r = 40.946; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

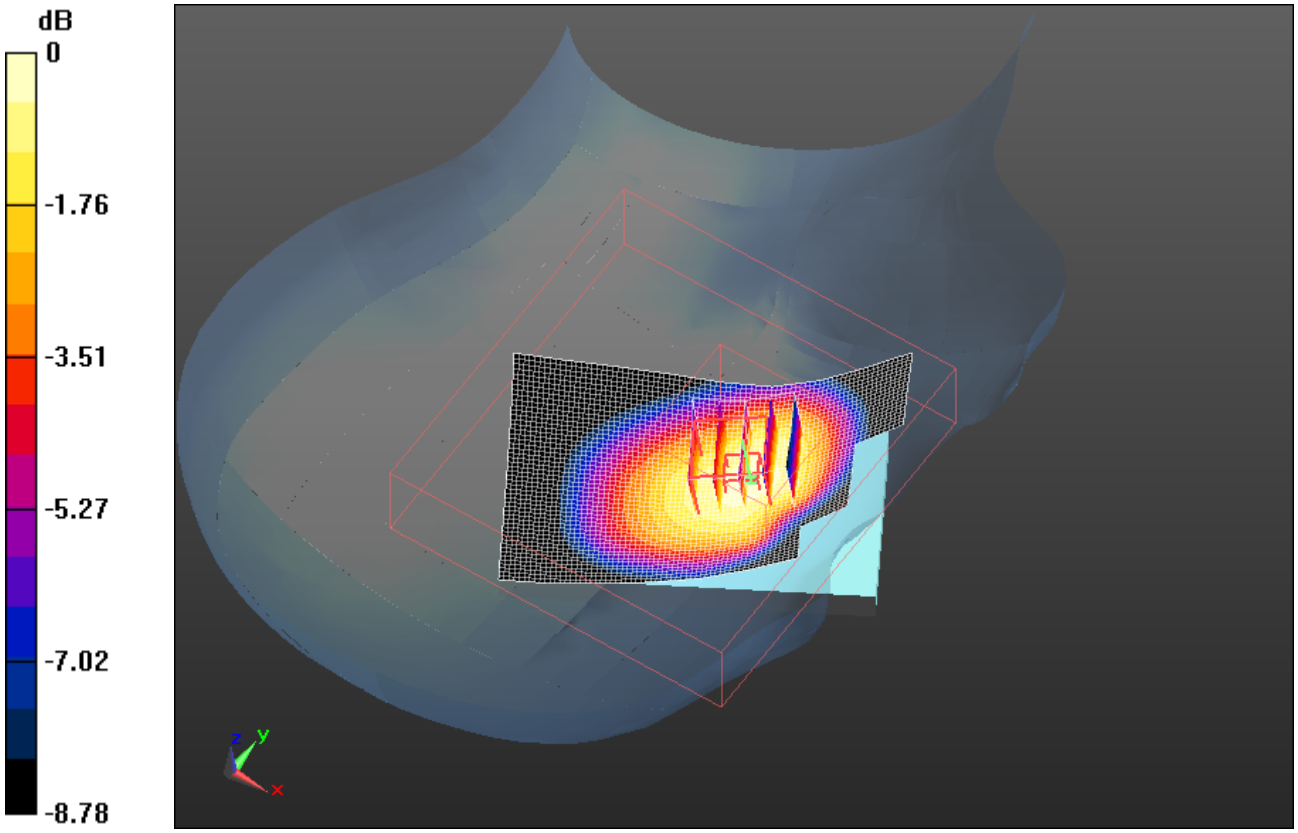
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 1.109 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.079 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.374 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.739 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.157 mW/g



0 dB = 1.160mW/g

Date/Time: 9/15/2011 6:11:42 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_UMTS_band_V_high_chan_amb_temp_23.4_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 846.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.947 mho/m; ε_r = 39.73; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

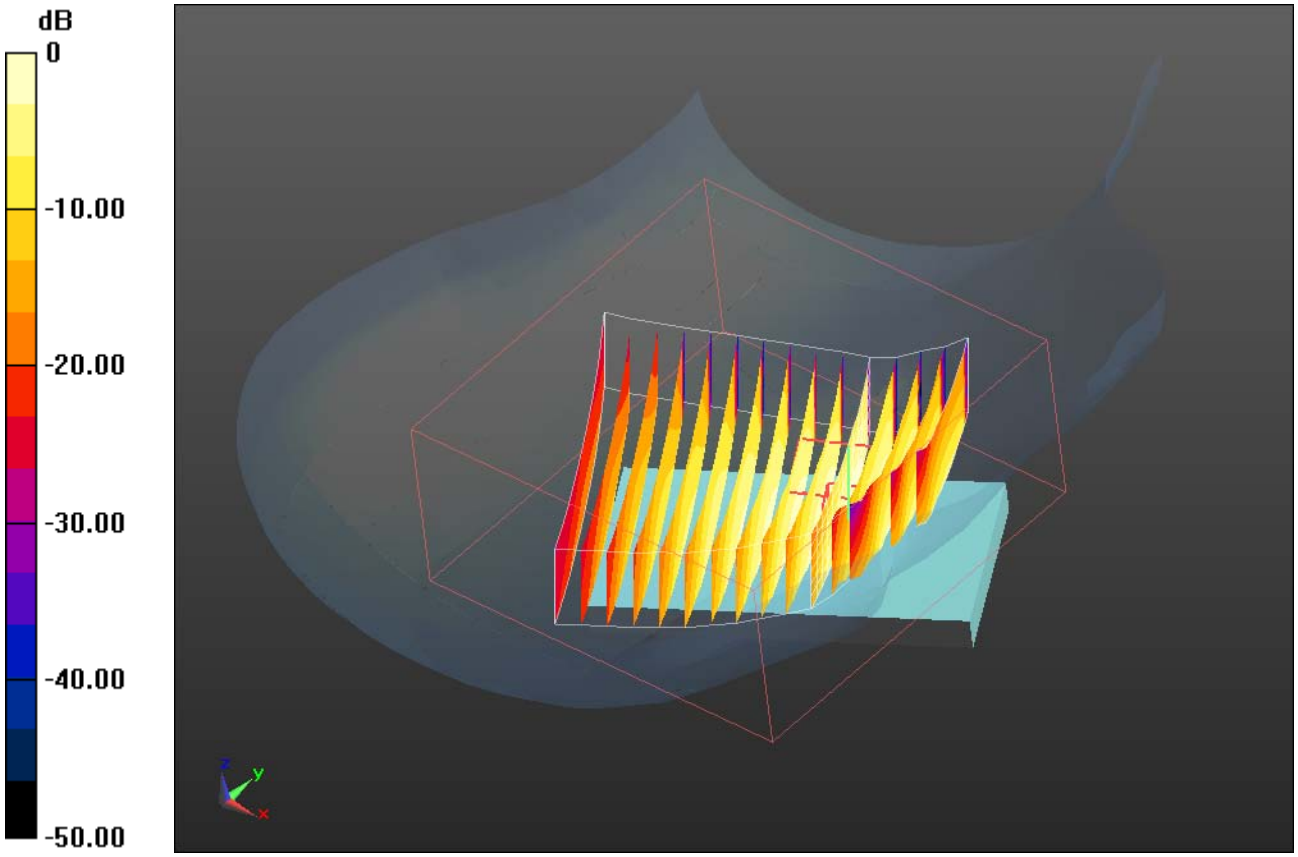
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.11, 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 - Volume Scan/Volume Scan (13x15x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.371 V/m; Power Drift = 0.70 dB
Peak SAR (extrapolated) = 1.472 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.776 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.218 mW/g



0 dB = 1.220mW/g

Date/Time: 8/5/2011 2:00:52 PM, Date/Time: 8/5/2011 2:06:17 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_23.5_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 mho/m; ε_r = 41.11; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

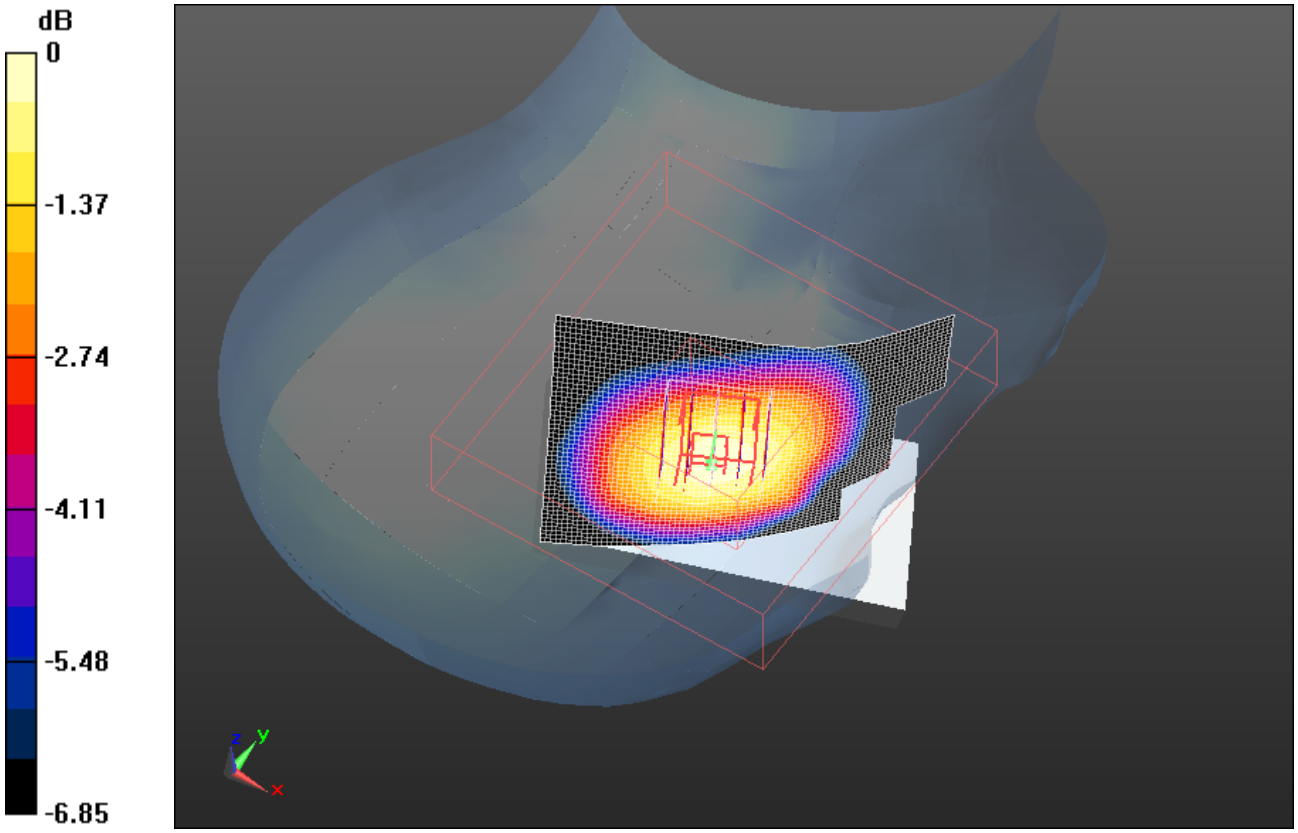
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 0.605 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.490 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.708 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.416 mW/g

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



0 dB = 0.620mW/g

Date/Time: 8/5/2011 2:15:09 PM, Date/Time: 8/5/2011 2:20:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_mid_chan_amb_temp_23.6_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 mho/m; ε_r = 41.11; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

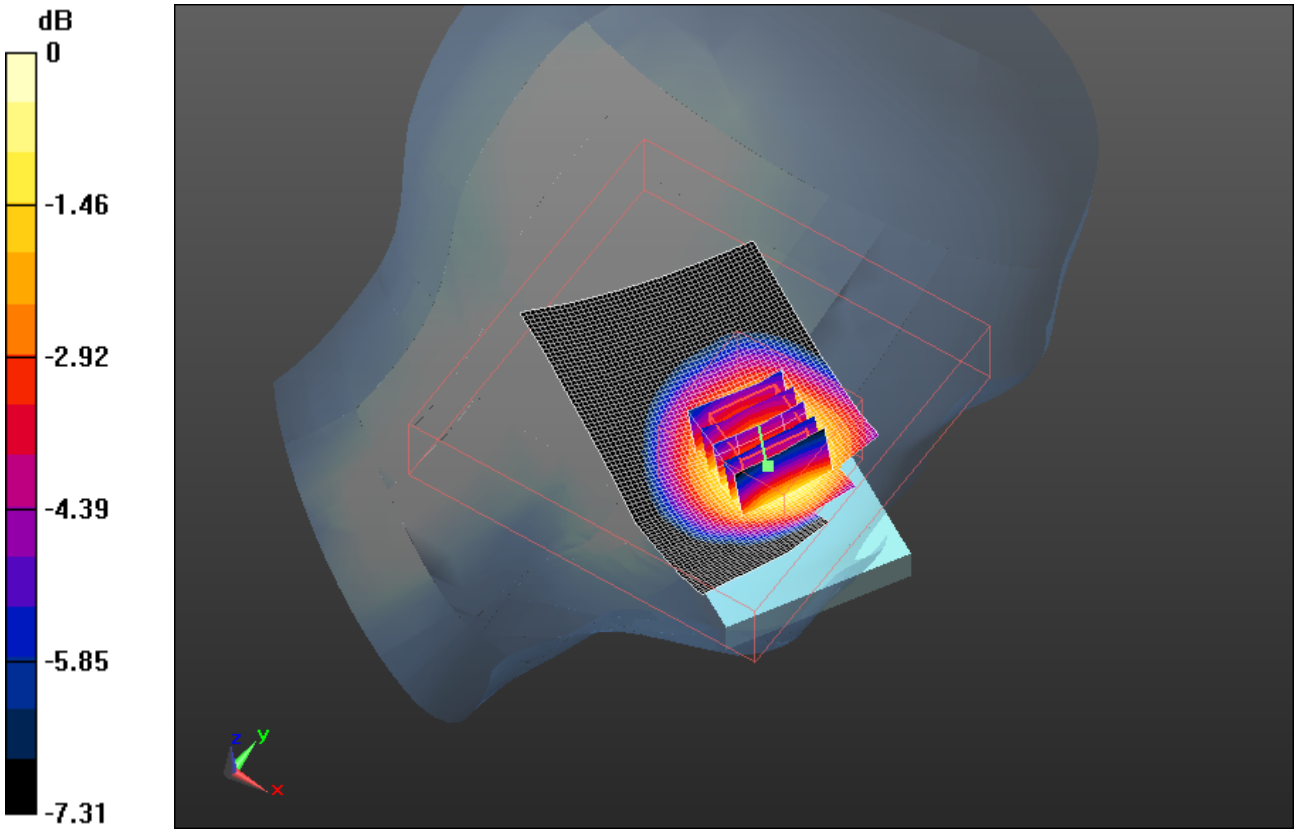
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 0.765 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.069 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.943 W/kg
SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.523 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.811 mW/g



0 dB = 0.810mW/g

Date/Time: 8/5/2011 3:45:17 PM, Date/Time: 8/5/2011 3:50:43 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_23.6_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.907 mho/m; ε_r = 41.11; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY4 Configuration:

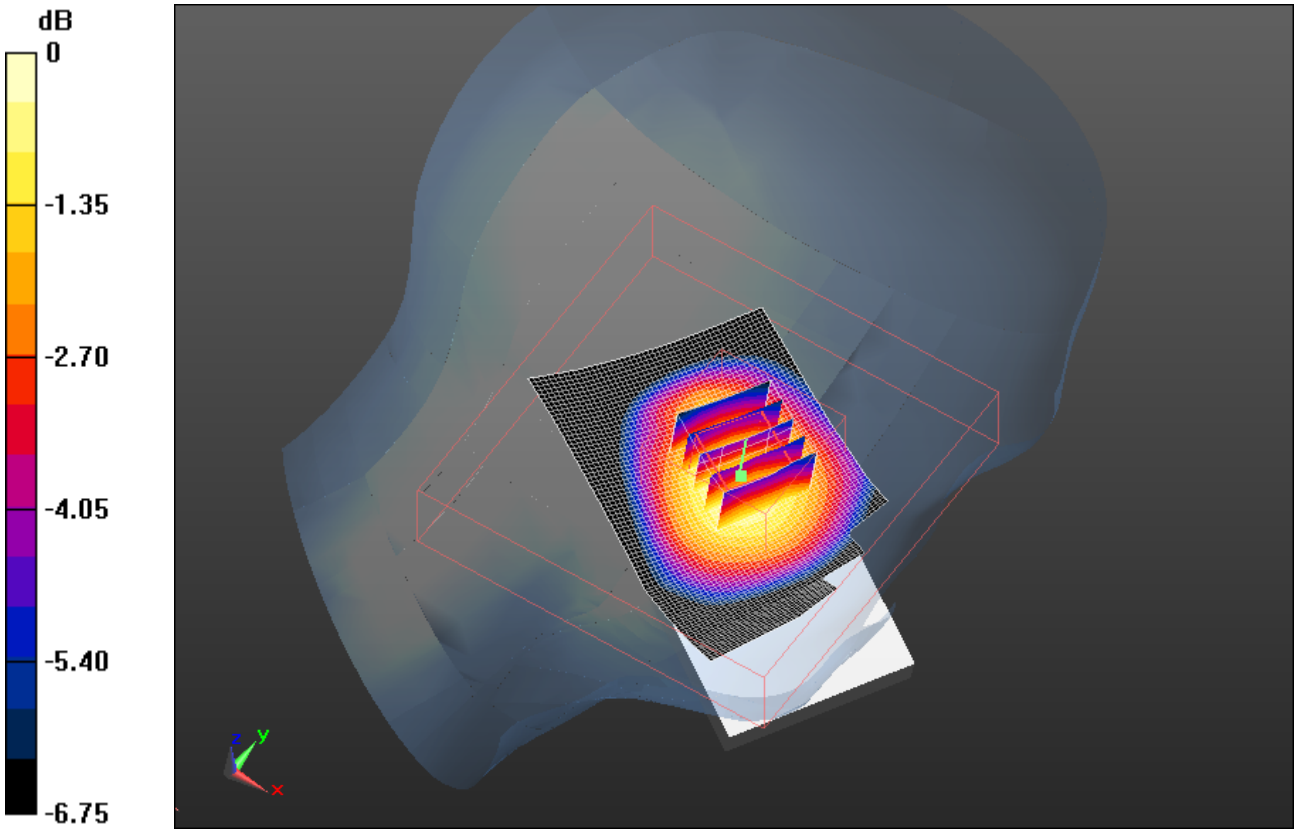
- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- ; SEMCAD X Version 14.4.4 (2829)

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) = 0.550 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.718 V/m; Power Drift = 0.26 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.384 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.583 mW/g



0 dB = 0.580mW/g

Date/Time: 9/1/2011 11:26:20 PM, Date/Time: 9/1/2011 11:31:28 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

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 = 1.401 mho/m; ε_r = 38.629; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

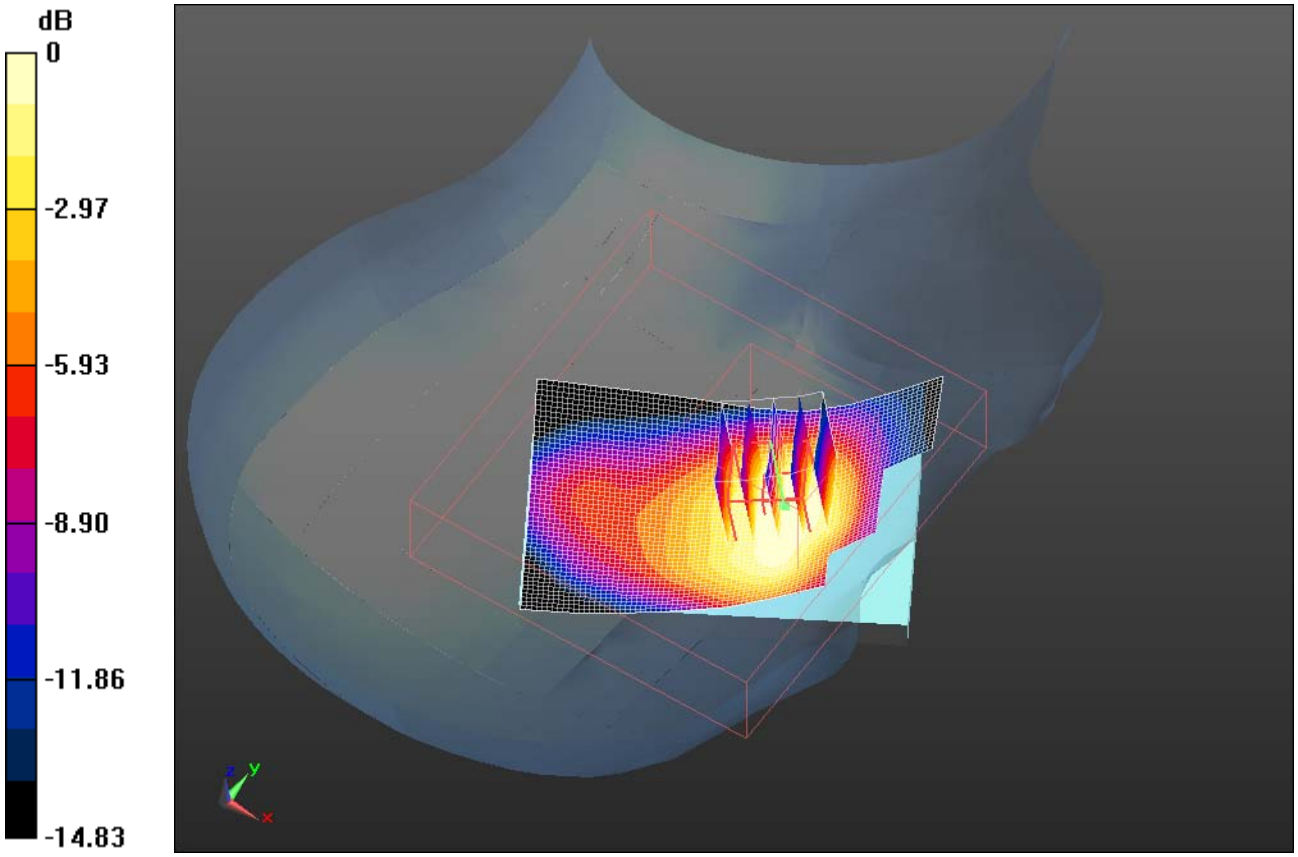
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.424 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.855 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.622 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.715 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.302 mW/g



0 dB = 1.300mW/g

Date/Time: 8/15/2011 11:51:57 PM, Date/Time: 8/15/2011 11:57:06 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_23.2_liq_temp_22.4 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

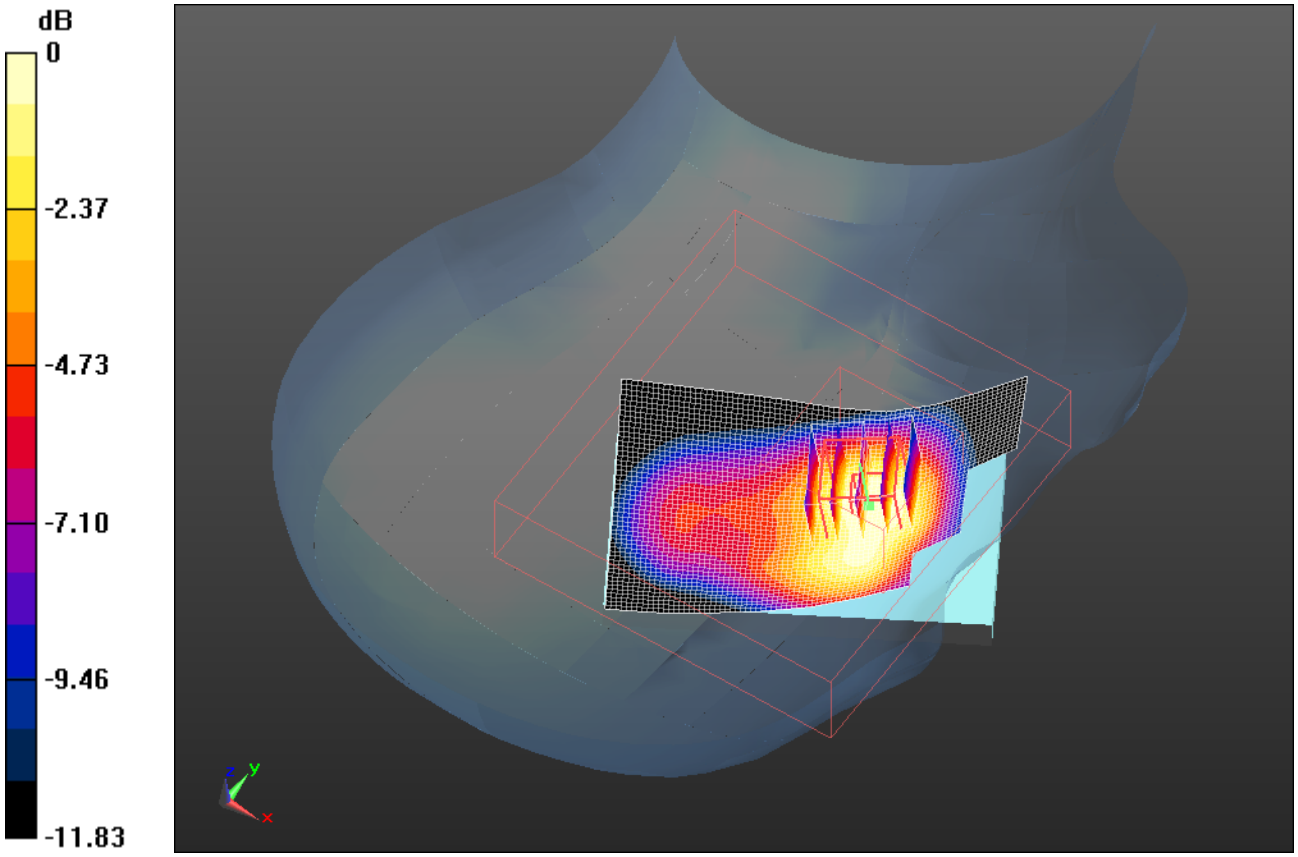
Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.687; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.241 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.412 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.445 W/kg
SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.606 mW/g
Maximum value of SAR (measured) = 1.130 mW/g



0 dB = 1.130mW/g

Date/Time: 8/16/2011 12:33:03 AM, Date/Time: 8/16/2011 12:38:10 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.3_liq_temp_22.5 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

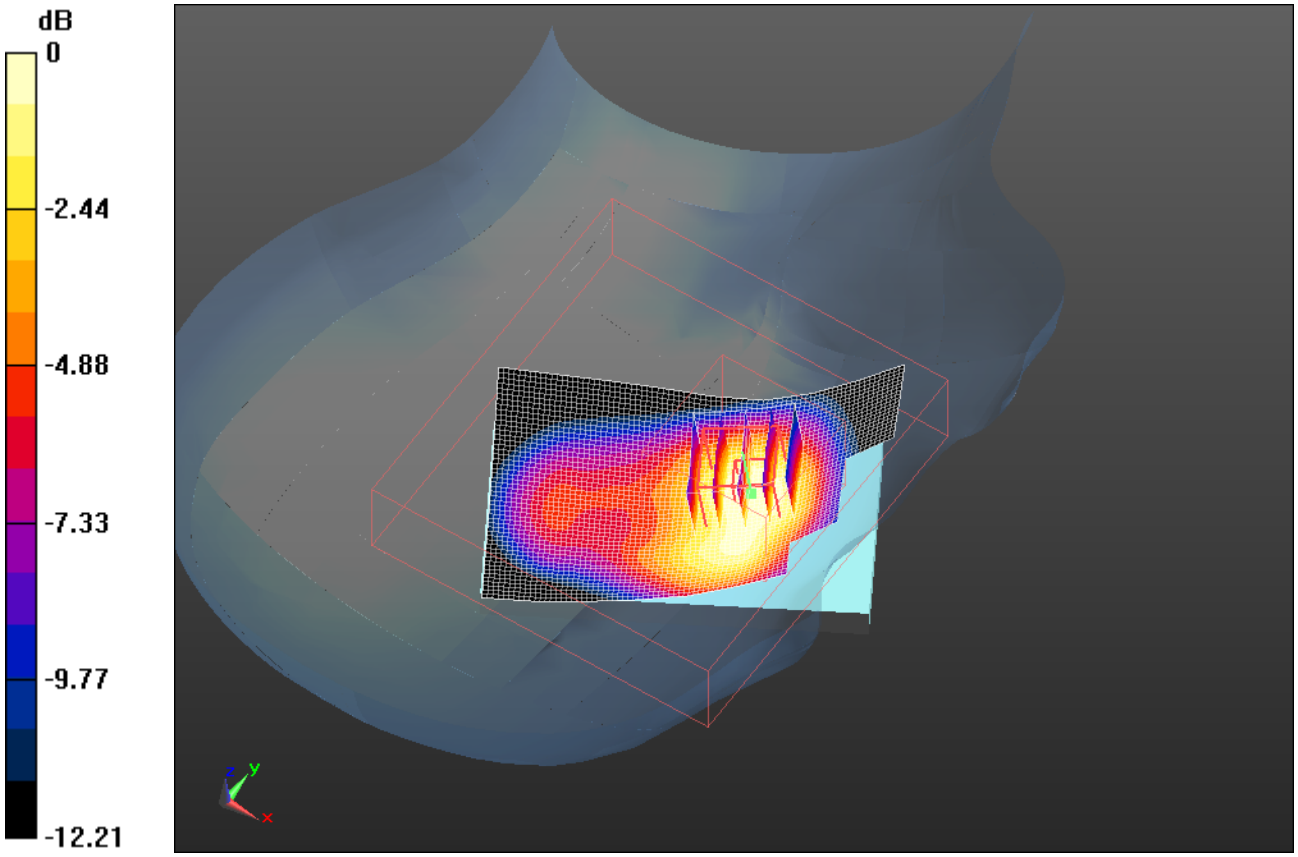
Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.405 mho/m; ε_r = 38.514; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.146 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.914 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.352 W/kg
SAR(1 g) = 0.902 mW/g; SAR(10 g) = 0.549 mW/g
Maximum value of SAR (measured) = 1.040 mW/g



0 dB = 1.040mW/g

Date/Time: 8/16/2011 12:47:14 AM, Date/Time: 8/16/2011 12:52:23 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.0_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

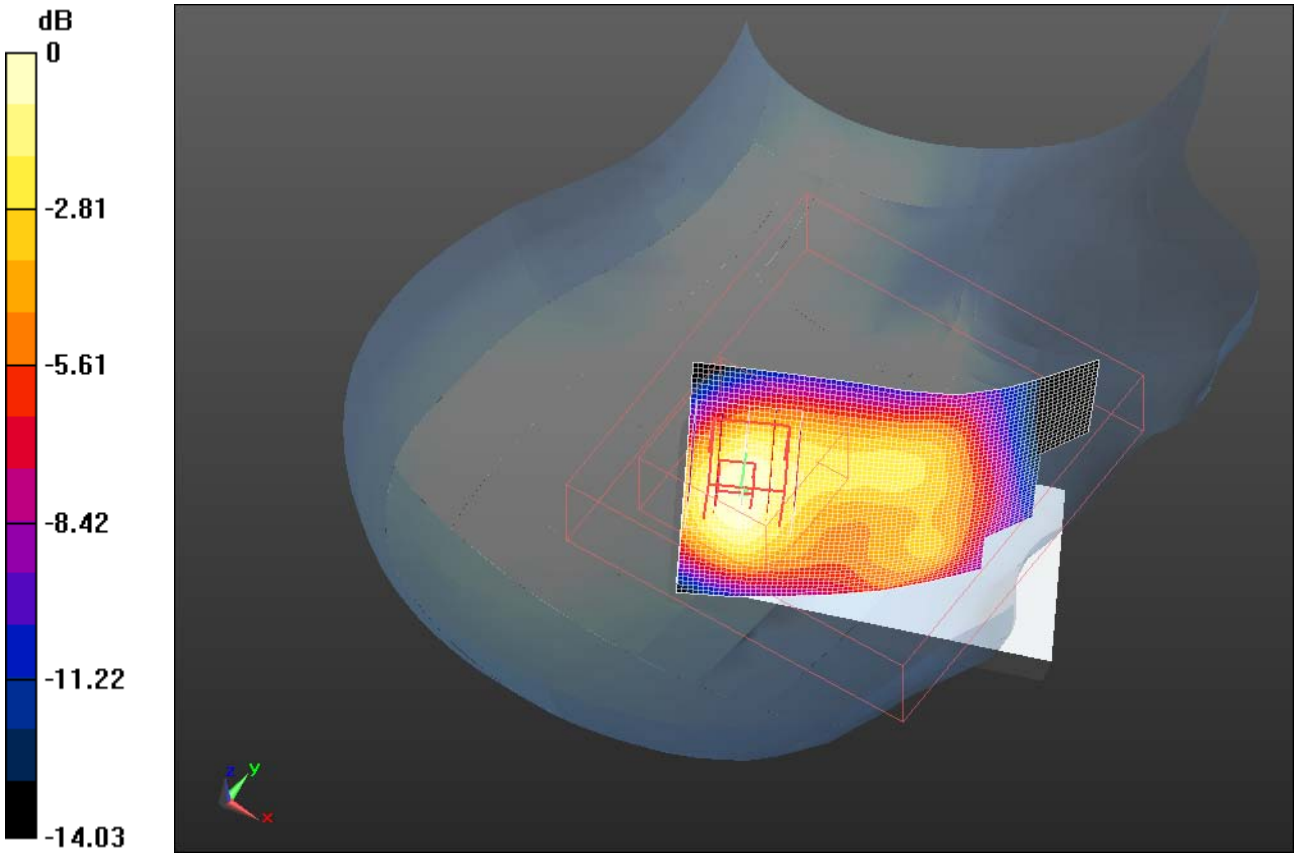
Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.687; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.550 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.613 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.268 mW/g
Maximum value of SAR (measured) = 0.523 mW/g



0 dB = 0.520mW/g

Date/Time: 9/1/2011 10:06:40 PM, Date/Time: 9/1/2011 10:11:46 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

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 = 1.401 mho/m; ε_r = 38.629;
ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

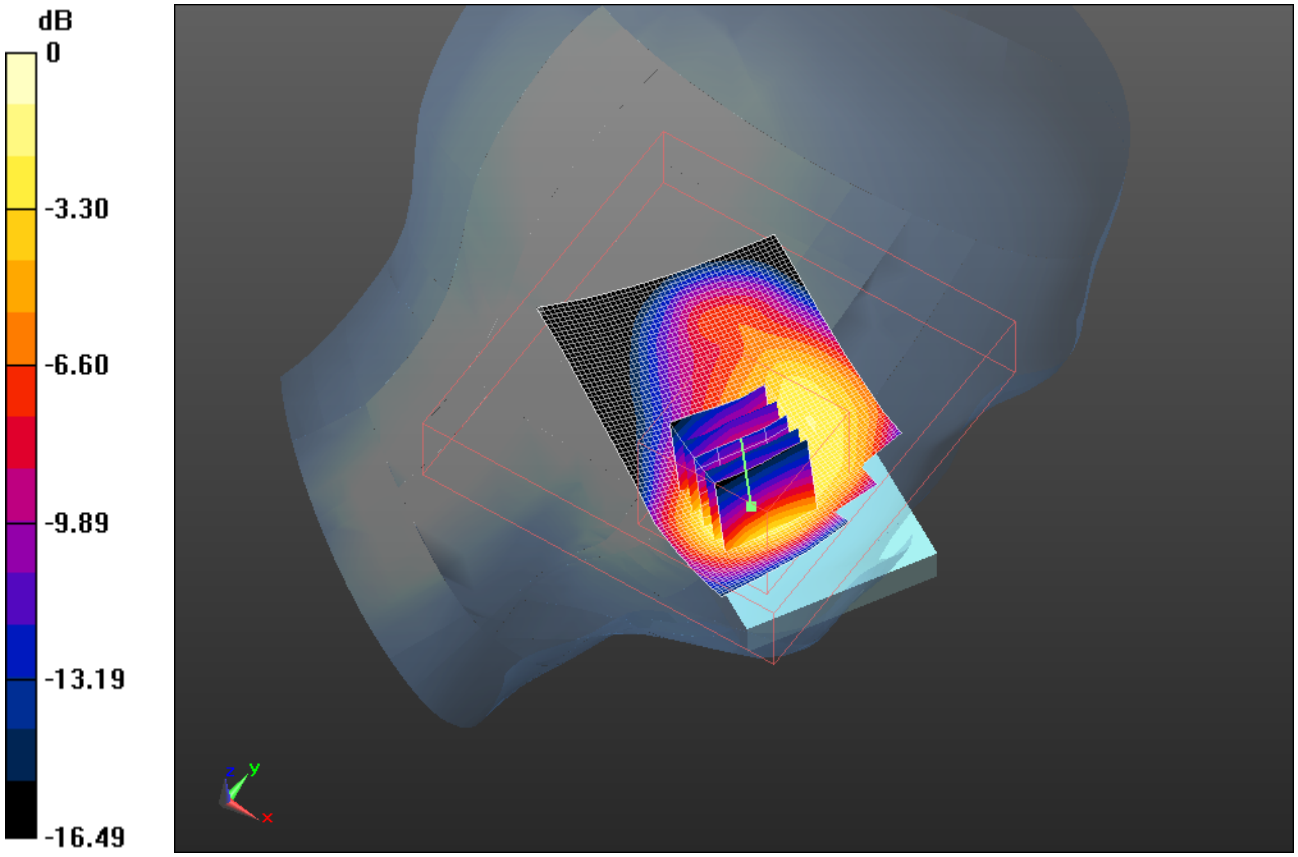
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.669 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.450 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.374 W/kg
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.786 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.658 mW/g



0 dB = 1.660mW/g

Date/Time: 8/15/2011 10:26:01 PM, Date/Time: 8/15/2011 10:31:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

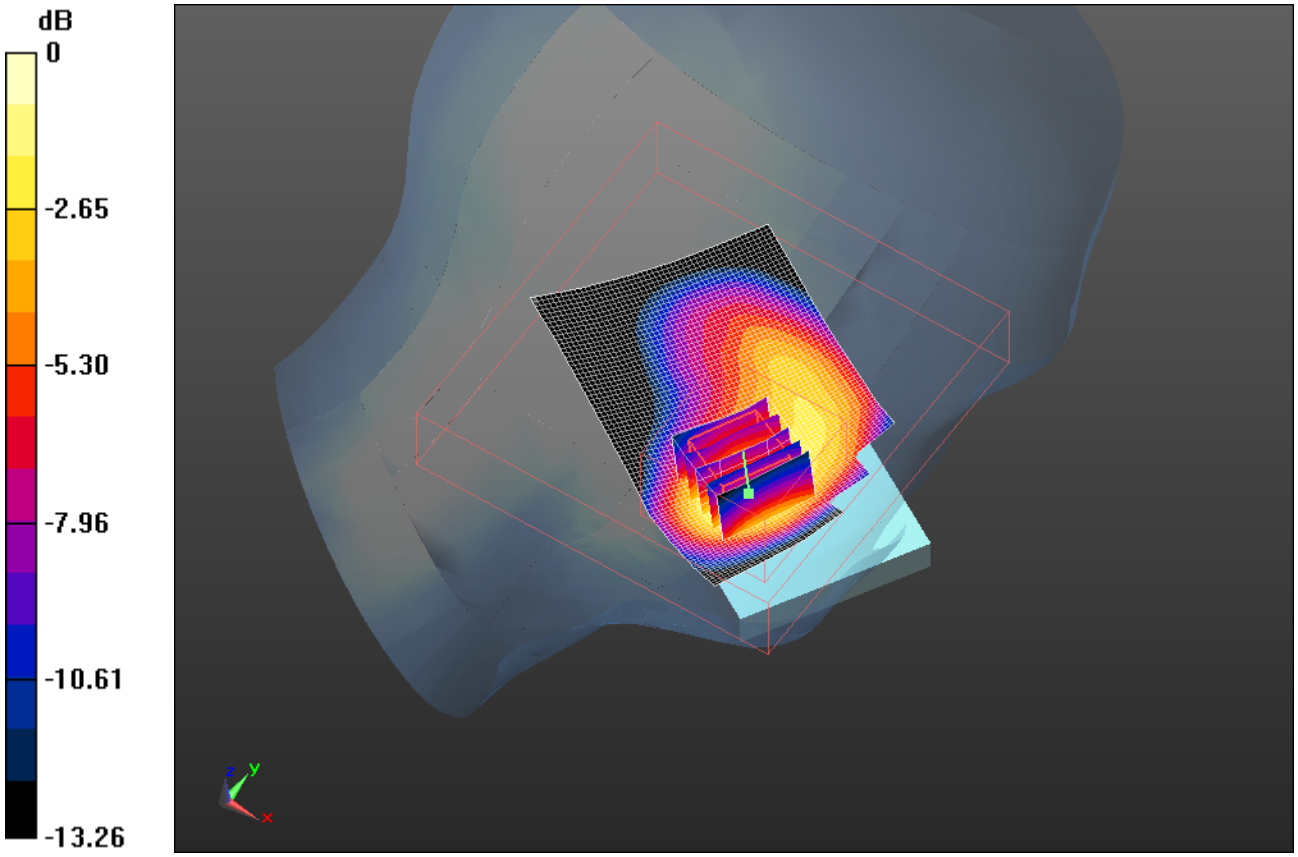
Communication System: EDGE 1900; Communication System Band: EDGE 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.687; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.529 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.690 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.146 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.704 mW/g
Maximum value of SAR (measured) = 1.471 mW/g



0 dB = 1.470mW/g

Date/Time: 8/15/2011 11:03:25 PM, Date/Time: 8/15/2011 11:08:34 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_high_chan_amb_temp_23.0_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

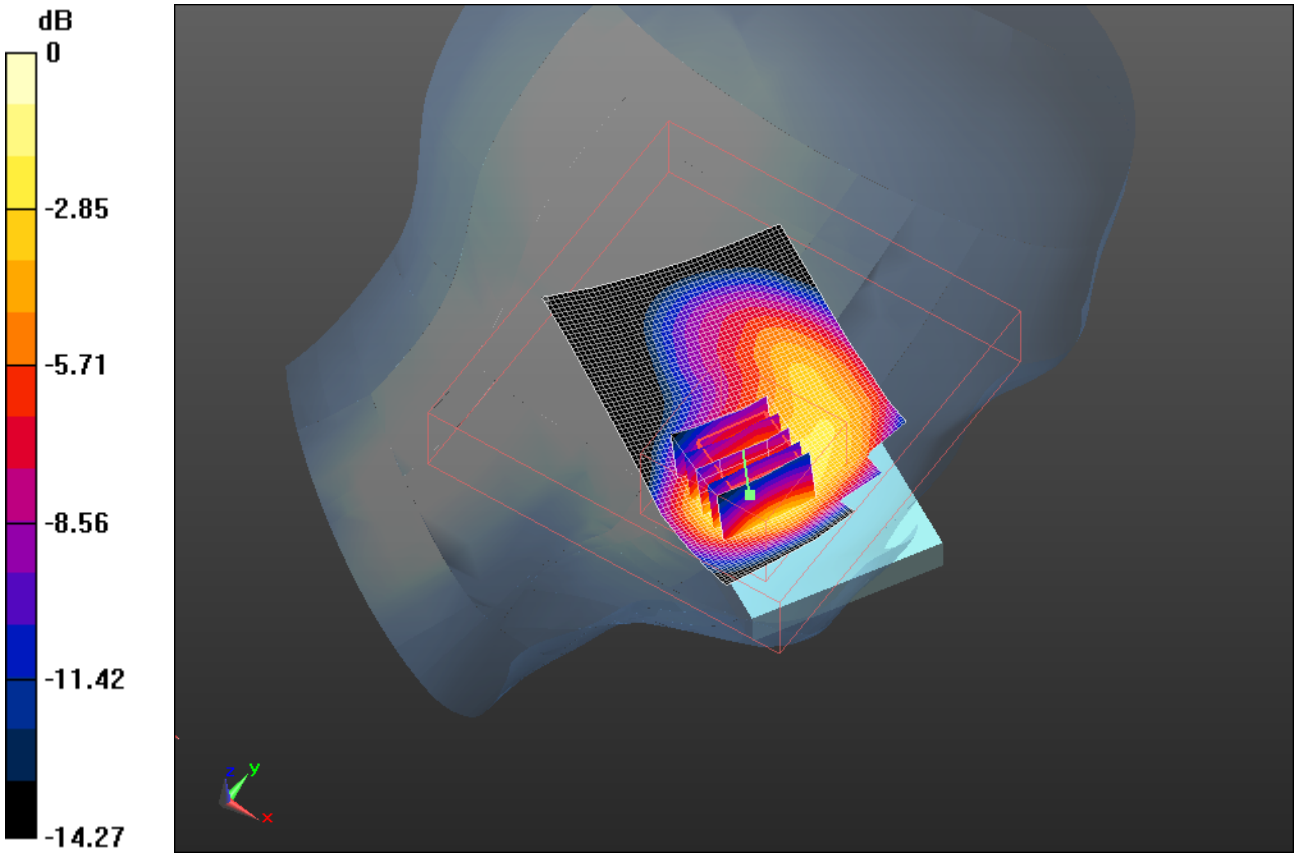
Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1909.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1910 MHz; σ = 1.405 mho/m; ε_r = 38.514; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.465 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.194 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.097 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.672 mW/g
Maximum value of SAR (measured) = 1.486 mW/g



0 dB = 1.490mW/g

Date/Time: 8/15/2011 11:20:14 PM, Date/Time: 8/15/2011 11:25:21 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_22.9_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

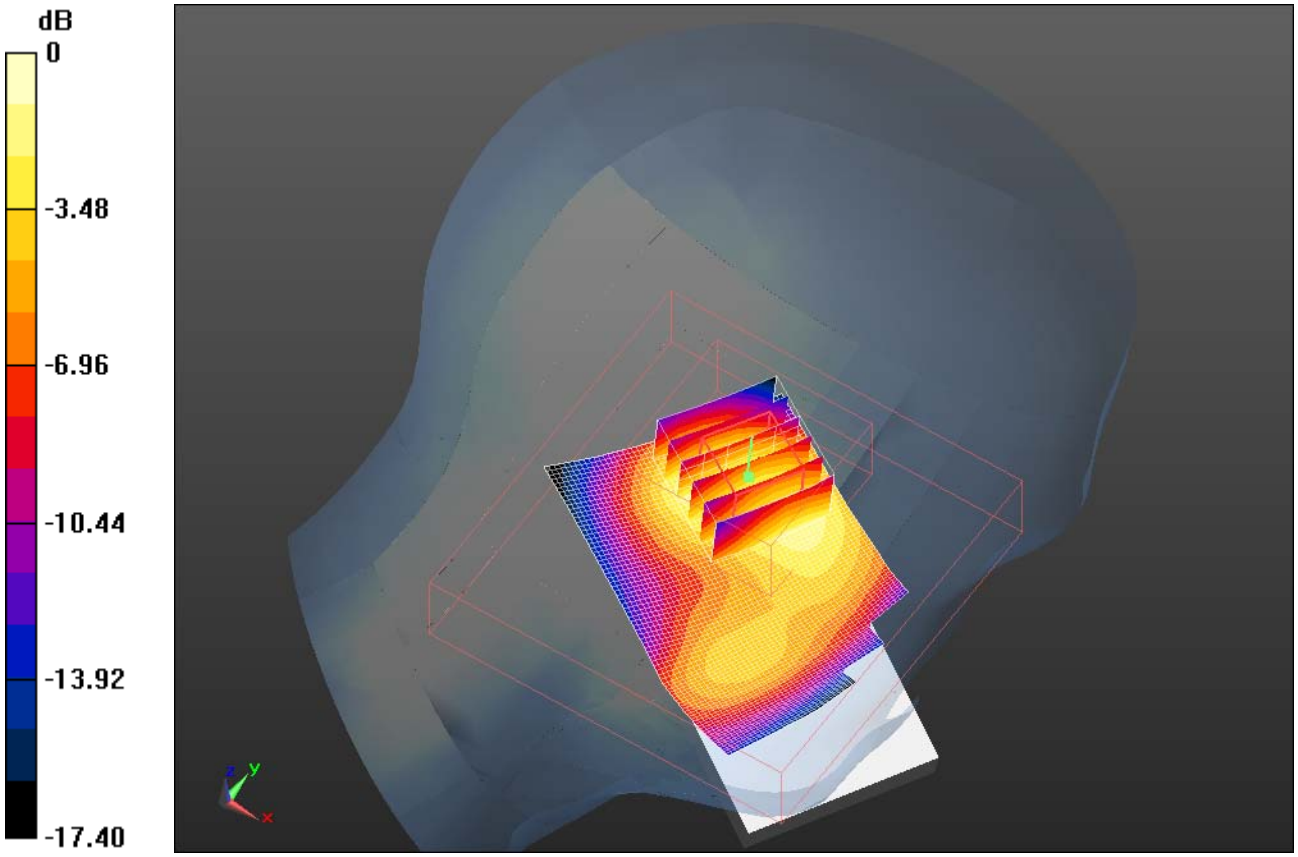
Communication System: EDGE 1900; Communication System Band: EDGE 1900;
Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.368 mho/m; ε_r = 38.687; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.614 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.053 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.735 W/kg
SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.555 mW/g



0 dB = 0.560mW/g

Date/Time: 8/16/2011 1:17:20 AM, Date/Time: 8/16/2011 1:22:27 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_low_chan_amb_temp_23.5_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 27EB7923

Communication System: GSM 1900; Communication System Band: GSM 1900;
Frequency: 1850.2 MHz;Communication System PAR: 9.191 dB
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.339 mho/m; ε_r = 38.868;
ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

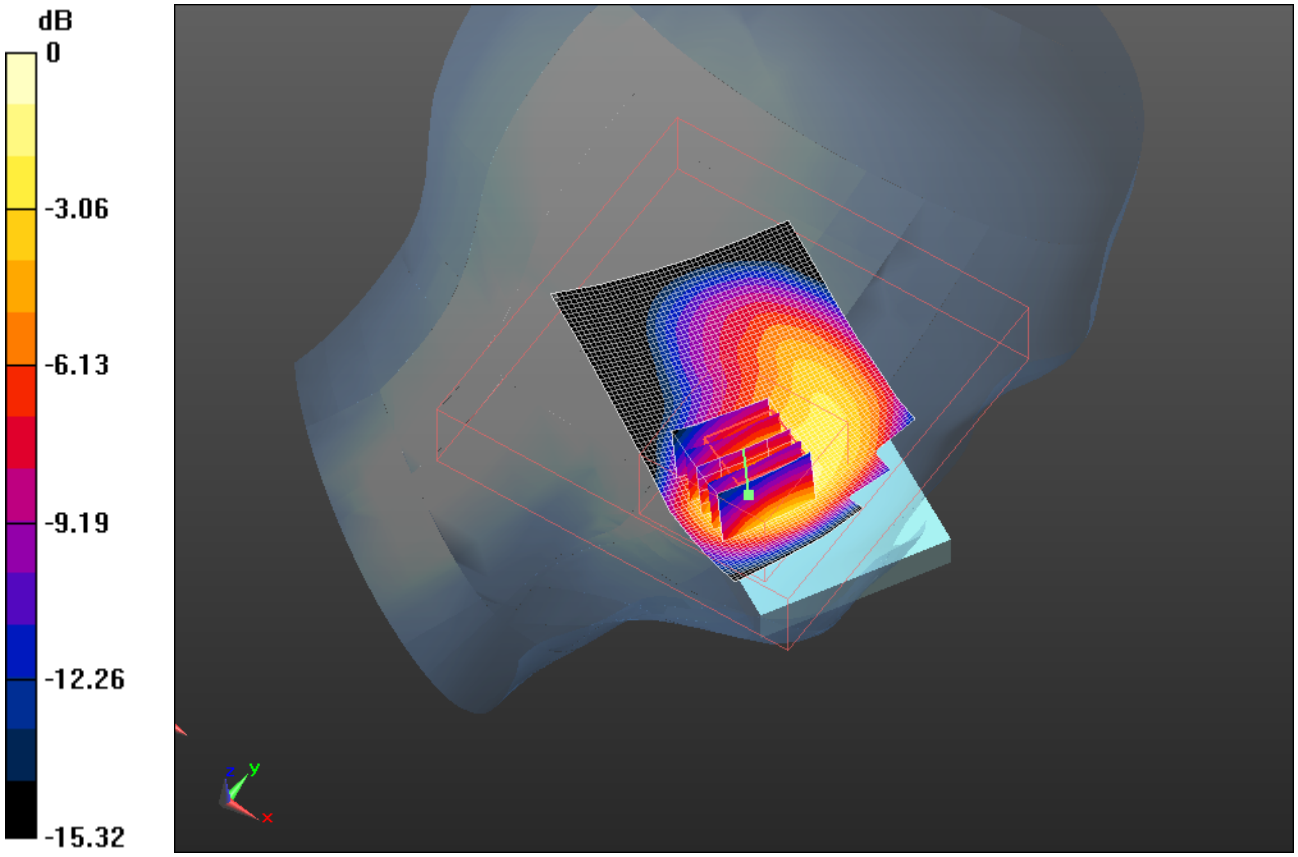
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.249 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.102 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.803 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.575 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.259 mW/g



0 dB = 1.260mW/g

Date/Time: 9/9/2011 6:34:22 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

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 = 1.328 mho/m; ε_r = 38.694;
ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

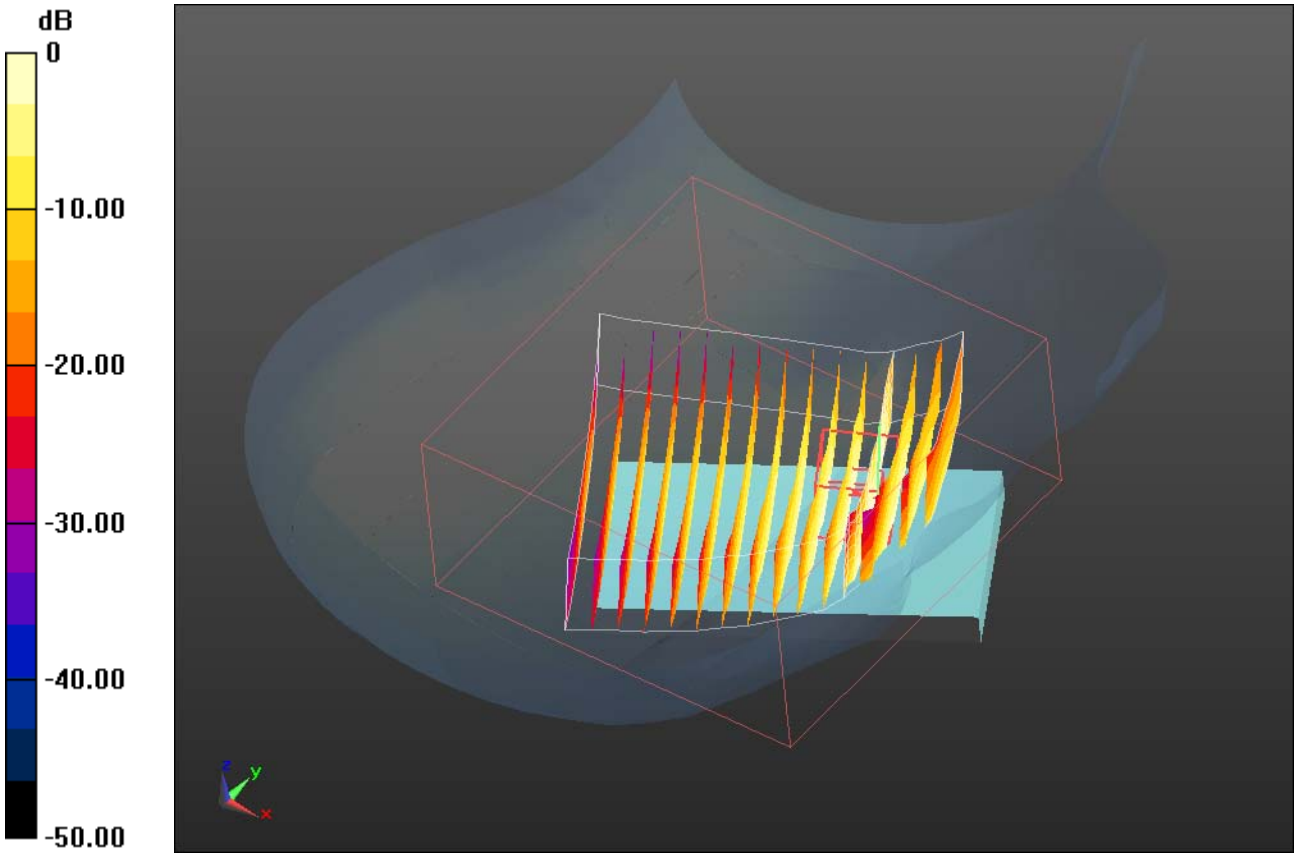
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 14.477 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.533 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.666 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.180 mW/g



0 dB = 1.180mW/g

Date/Time: 9/29/2011 2:06:28 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_EDGE1900_low_chan_amb_temp_22.8_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.345 mho/m; ε_r = 38.835; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

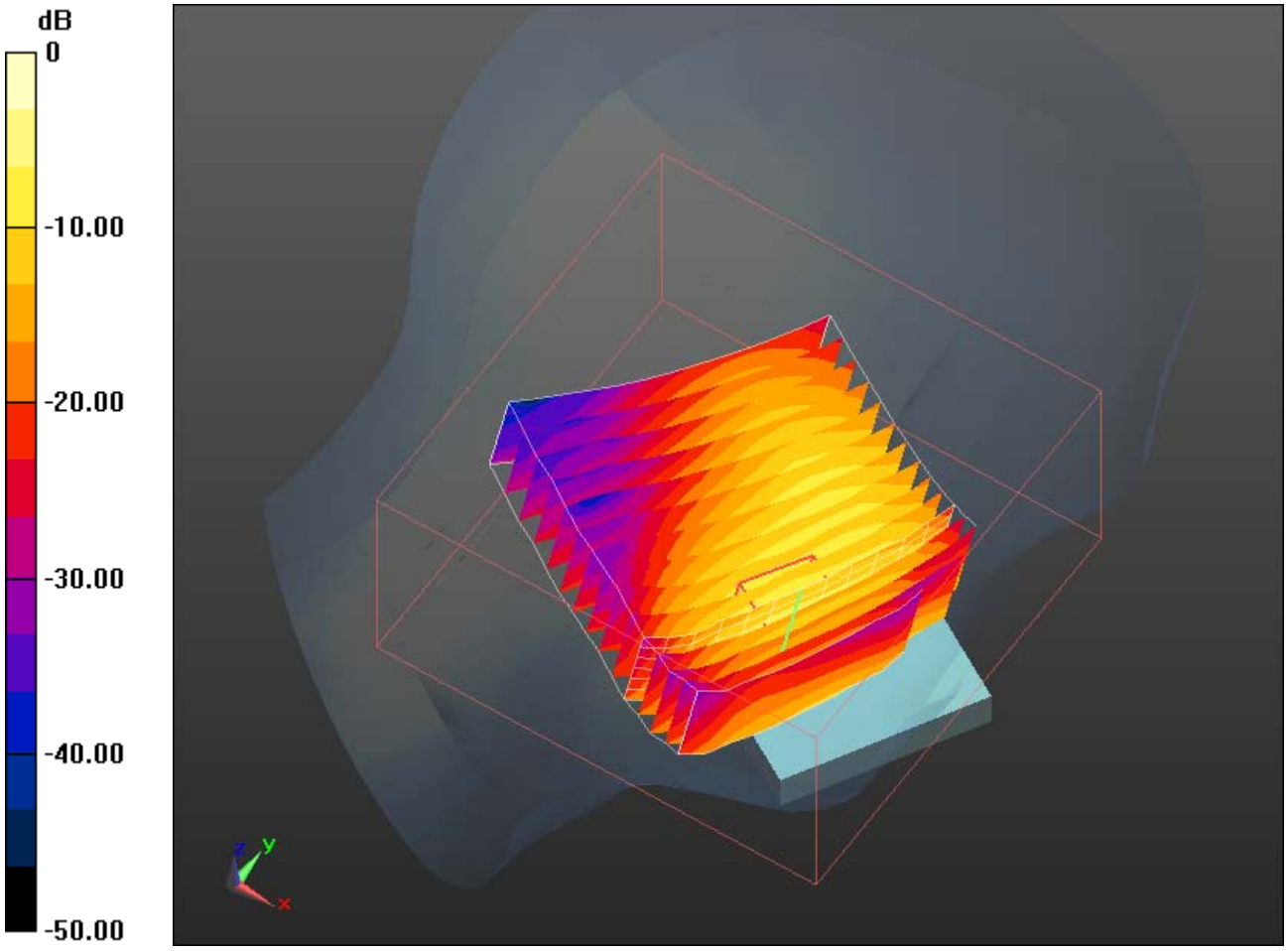
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 14.160 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.147 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.695 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

.
Maximum value of SAR (measured) = 1.520 mW/g



0 dB = 1.520mW/g

Date/Time: 9/2/2011 12:56:54 AM, Date/Time: 9/2/2011 1:02:00 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_II_low_chan_amb_temp_22.9_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.405 mho/m; ε_r = 38.631; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

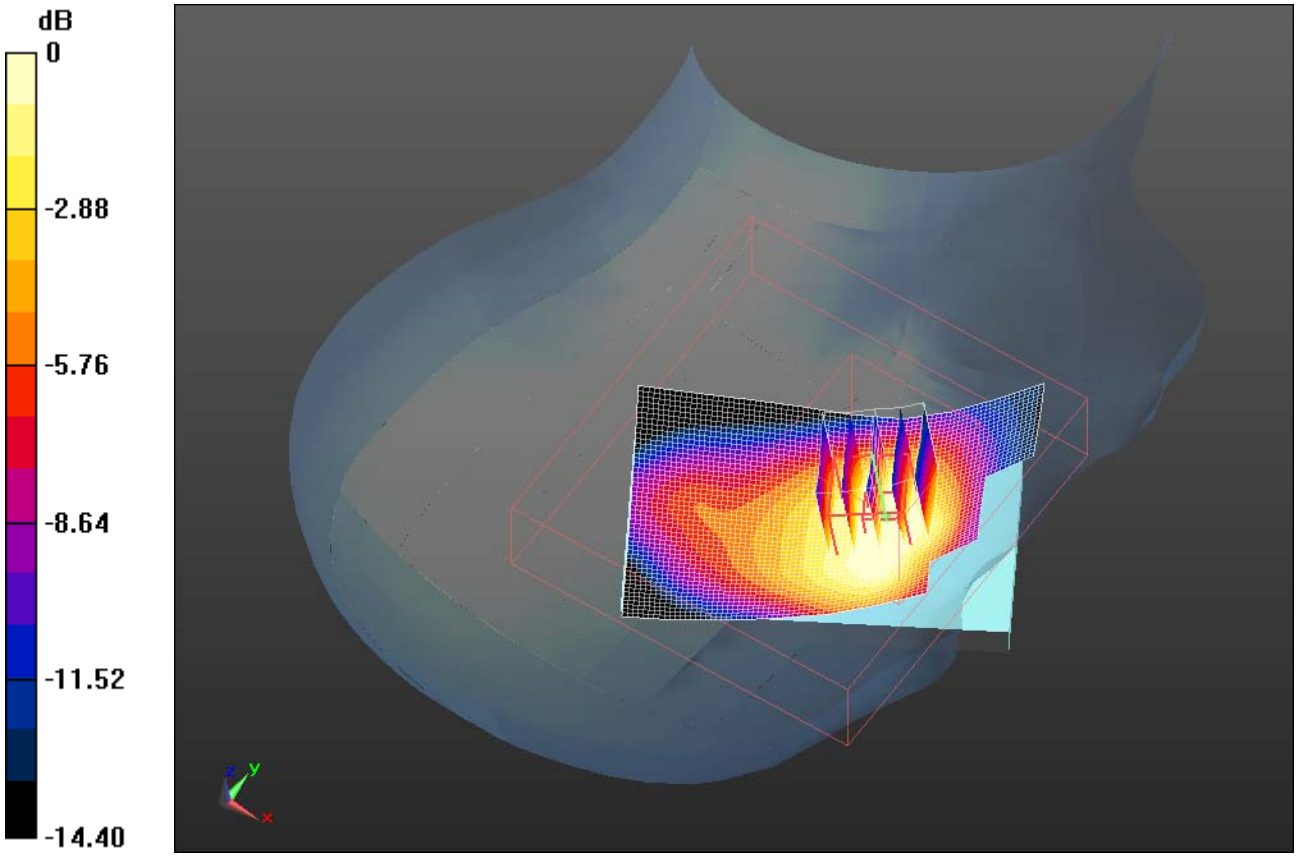
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.288 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.954 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.488 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.666 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.200 mW/g



0 dB = 1.200mW/g

Date/Time: 9/9/2011 11:15:39 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_UMTS_Band_II_low_chan_amb_temp_22.9_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.331 mho/m; ε_r = 38.682; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

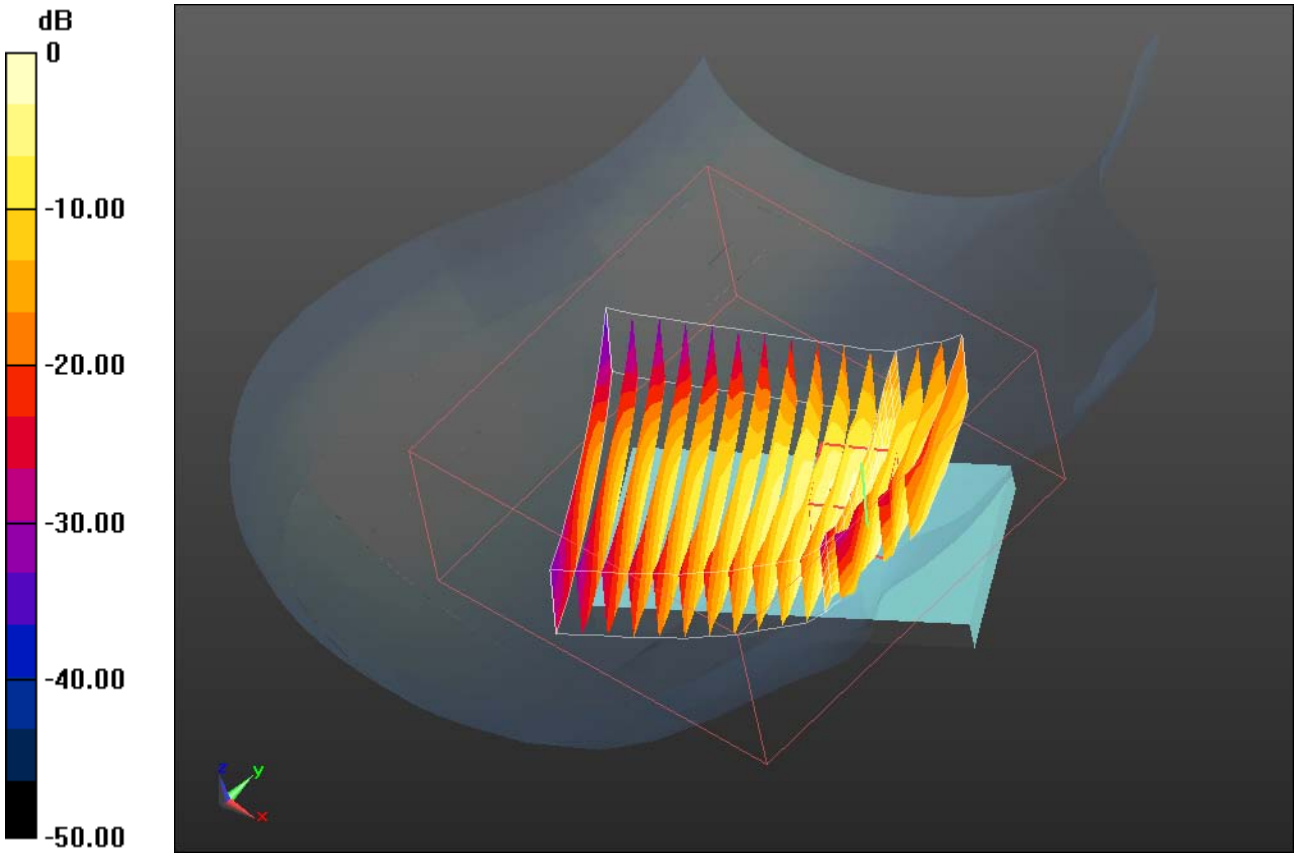
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 14.580 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.545 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.656 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.168 mW/g



0 dB = 1.170mW/g

Date/Time: 9/2/2011 1:20:20 AM, Date/Time: 9/2/2011 1:25:27 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_II_mid_chan_amb_temp_23.0_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

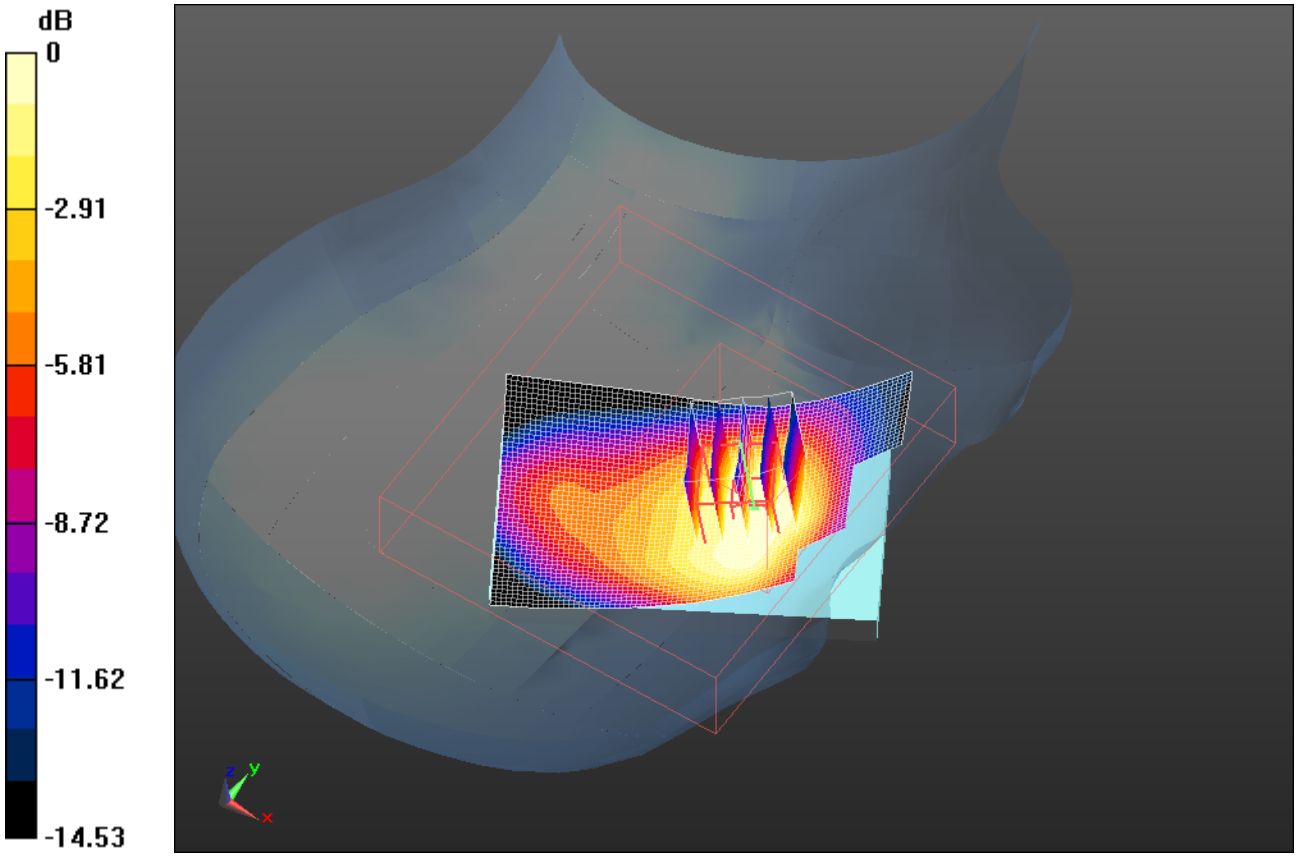
Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.608; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.138 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.617 V/m; Power Drift = -0.0081 dB
Peak SAR (extrapolated) = 1.342 W/kg
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.588 mW/g
Maximum value of SAR (measured) = 1.066 mW/g



0 dB = 1.070mW/g

Date/Time: 9/2/2011 1:34:19 AM, Date/Time: 9/2/2011 1:39:26 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_II_high_chan_amb_temp_23.0_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.432 mho/m; ε_r = 38.47; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

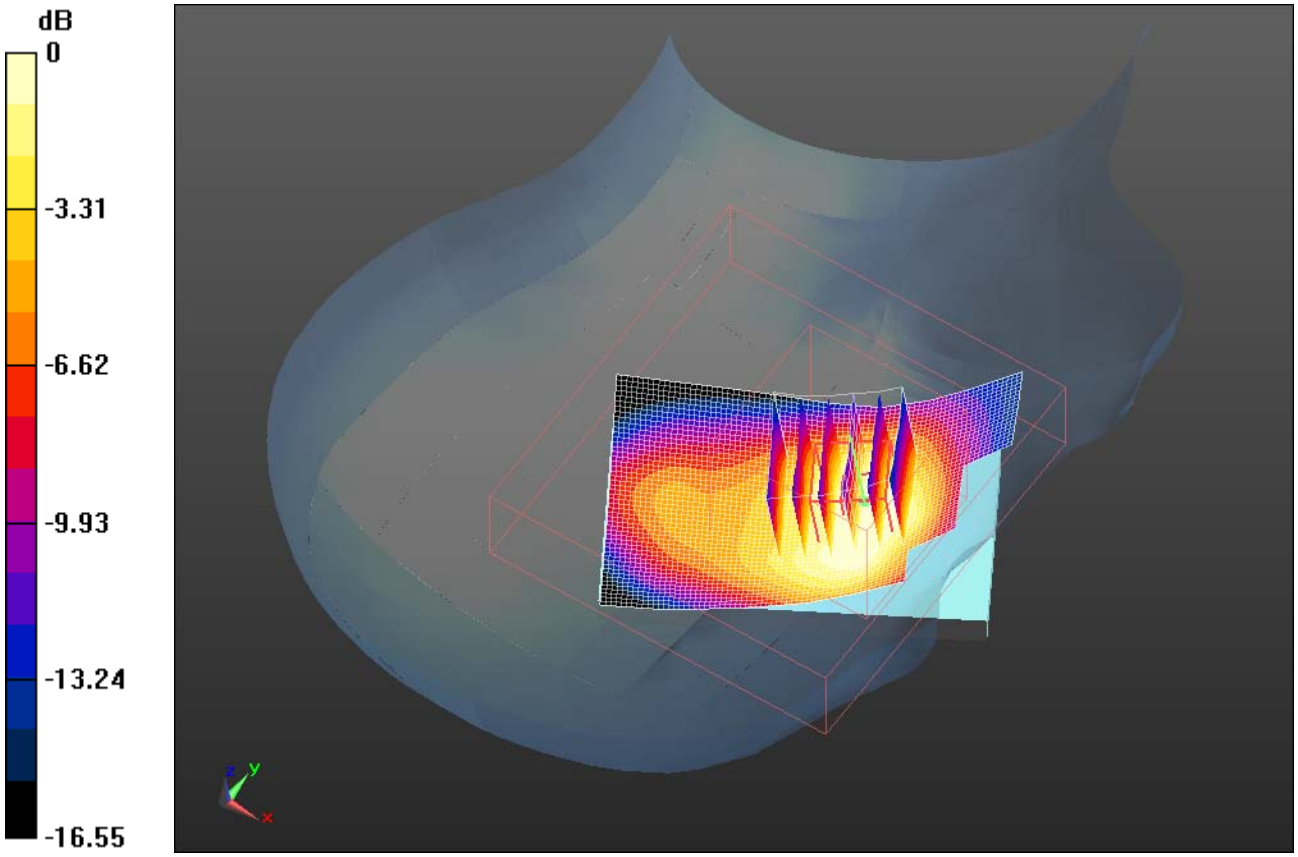
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.193 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.640 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.391 W/kg
SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.601 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.102 mW/g



0 dB = 1.100mW/g

Date/Time: 9/6/2011 7:07:27 PM, Date/Time: 9/6/2011 7:12:37 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_Band_II_mid_chan_amb_temp_23.4_liq_temp_23.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141

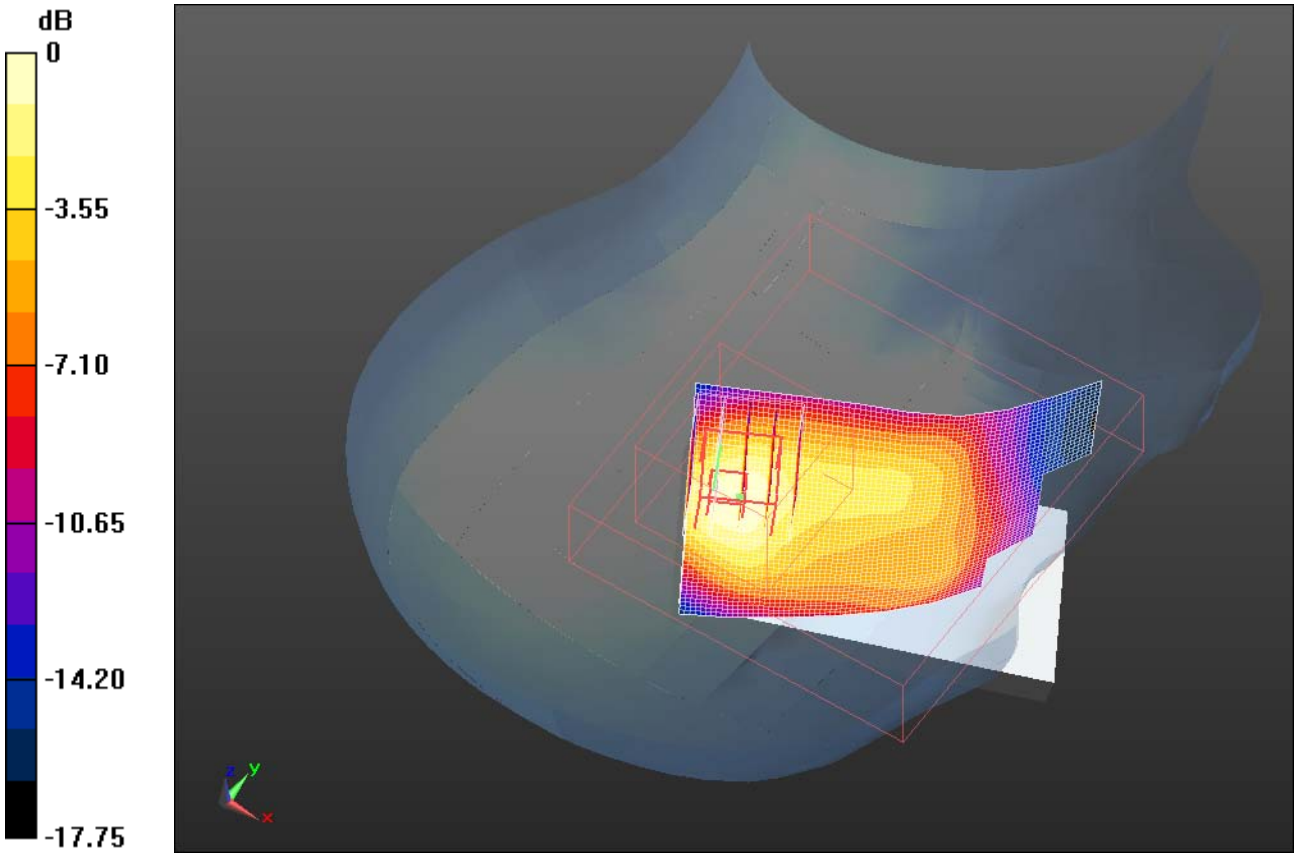
Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.608; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.572 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.894 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.570mW/g

Date/Time: 9/6/2011 5:36:04 PM, Date/Time: 9/6/2011 5:41:09 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_low_chan_amb_temp_23.5_liq_temp_23.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.325 mho/m; ε_r = 38.325; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

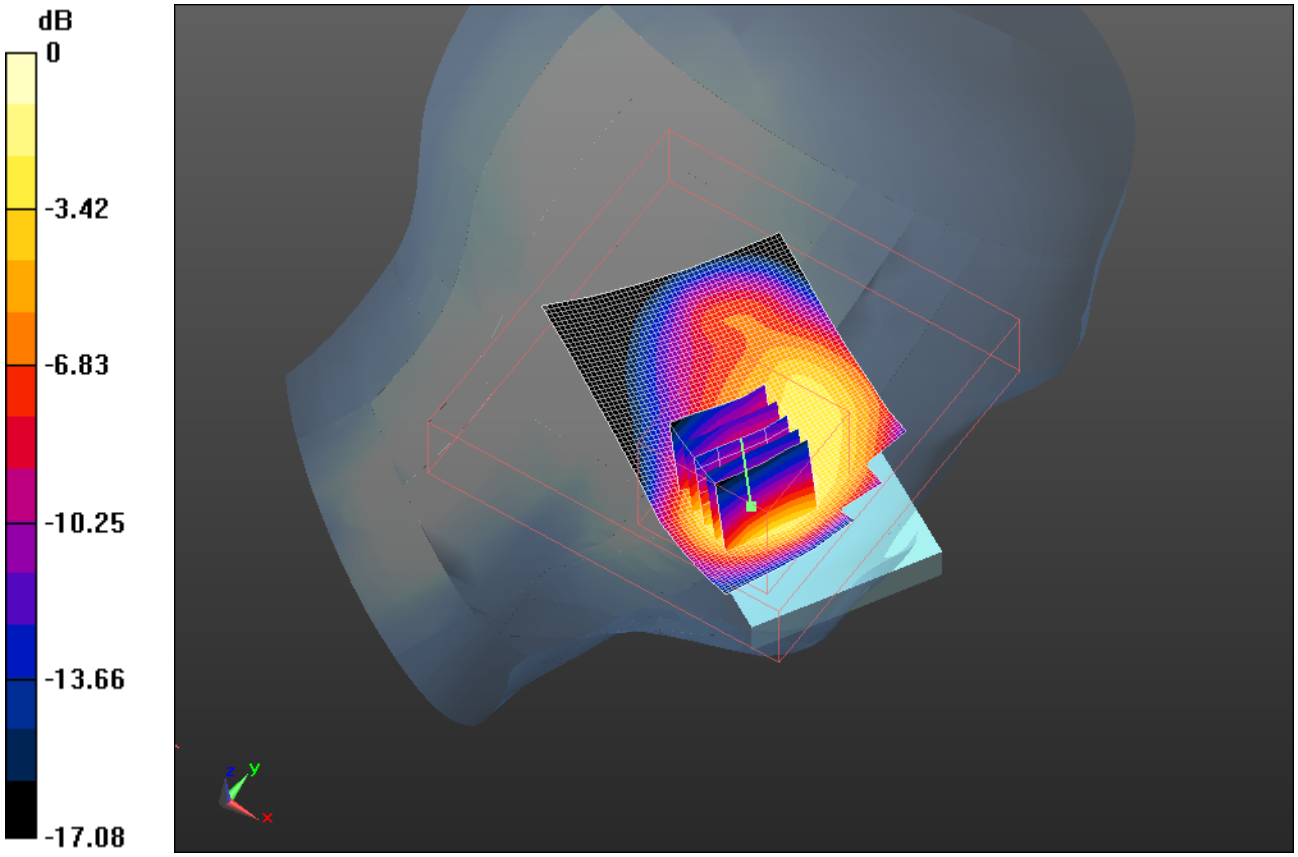
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.519 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.234 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.211 W/kg
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.726 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.564 mW/g



0 dB = 1.560mW/g

Date/Time: 9/9/2011 9:13:54 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_UMTS_band_II_low_chan_amb_temp_22.9_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.331 mho/m; ε_r = 38.682; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

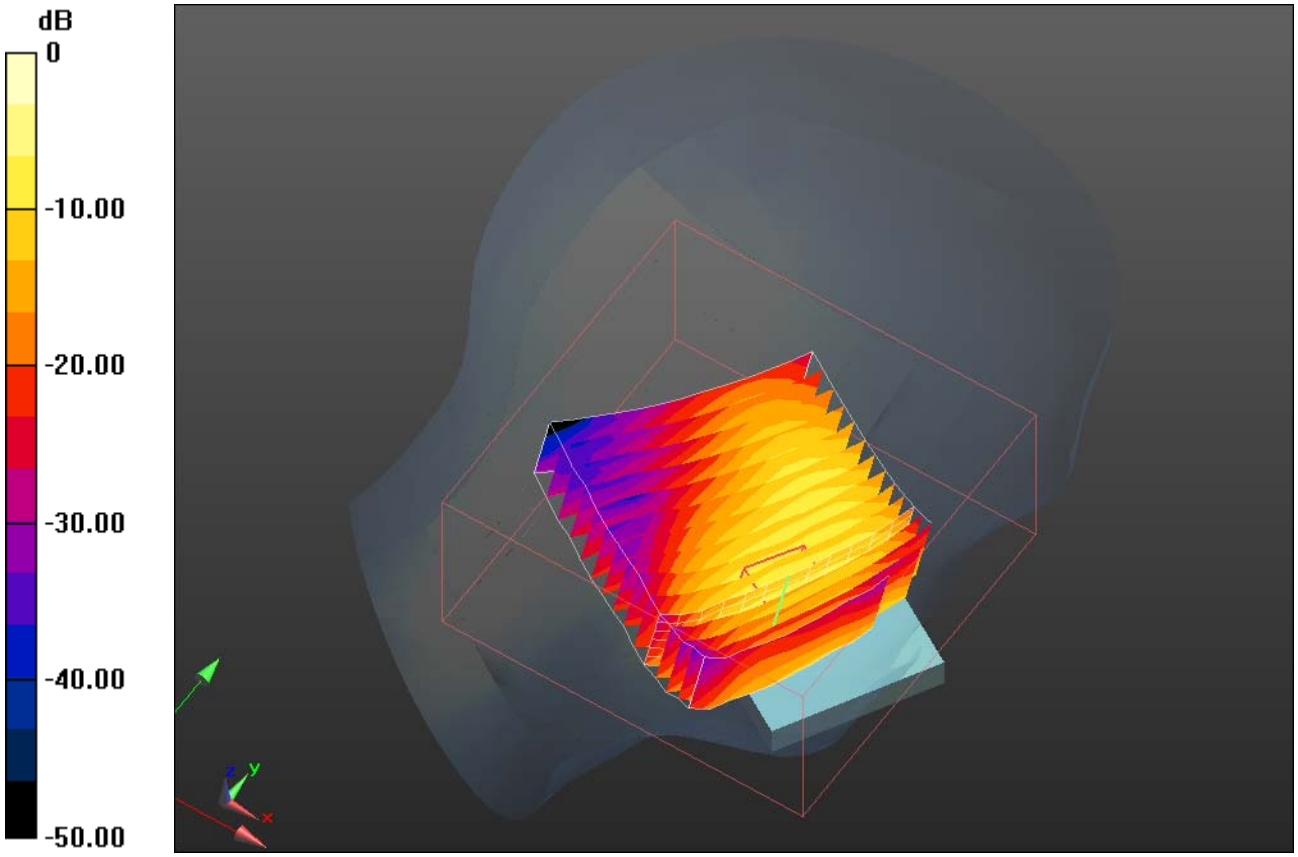
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 12.240 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.052 W/kg
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.718 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.491 mW/g



0 dB = 1.490mW/g

Date/Time: 9/6/2011 5:16:58 PM, Date/Time: 9/6/2011 5:22:03 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_mid_chan_amb_temp_23.5_liq_temp_23.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

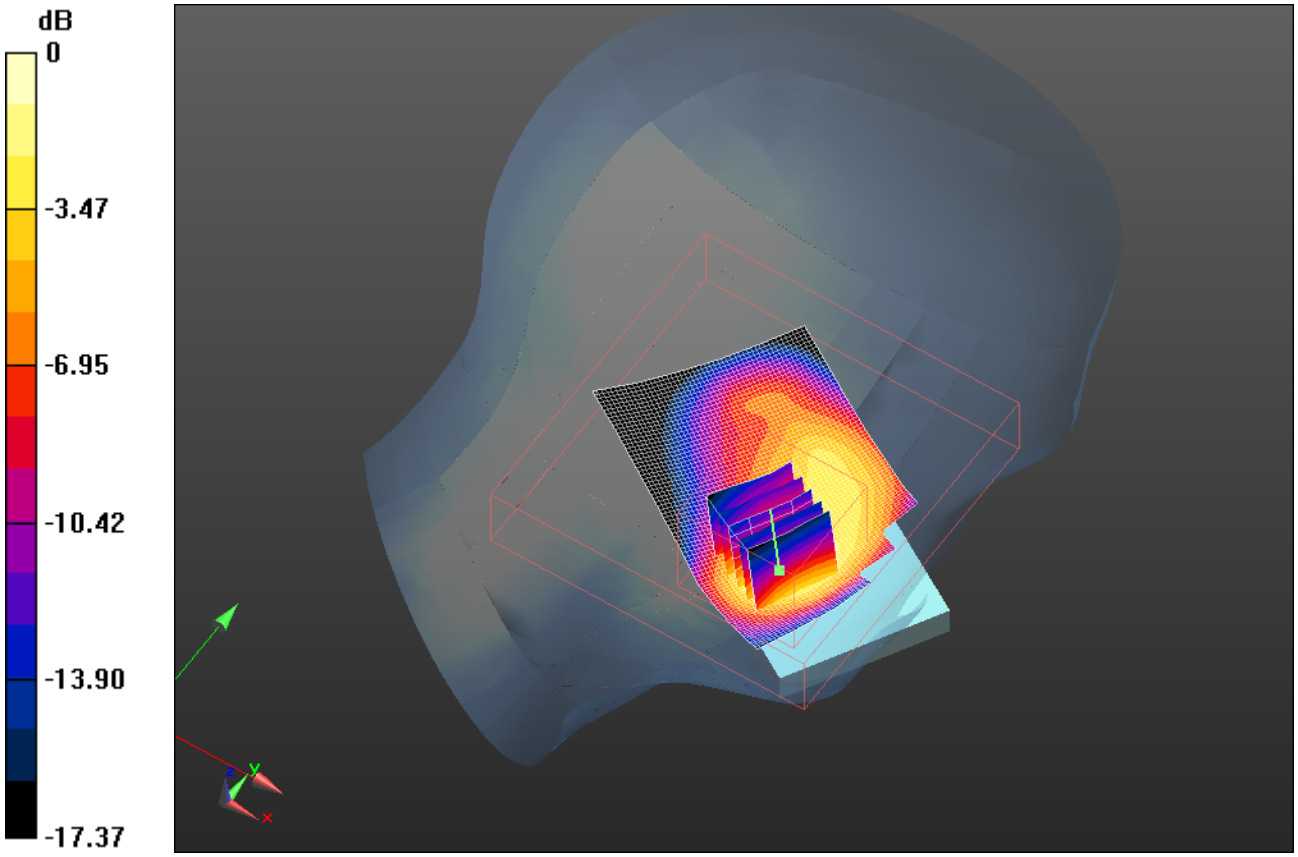
Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.352 mho/m; ε_r = 38.222; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 1.403 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.967 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.014 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.659 mW/g
Maximum value of SAR (measured) = 1.434 mW/g



0 dB = 1.430mW/g

Date/Time: 9/6/2011 5:55:09 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_II_high_chan_amb_temp_23.5_liq_temp_23.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

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 = 1.381 mho/m; ε_r = 38.135; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

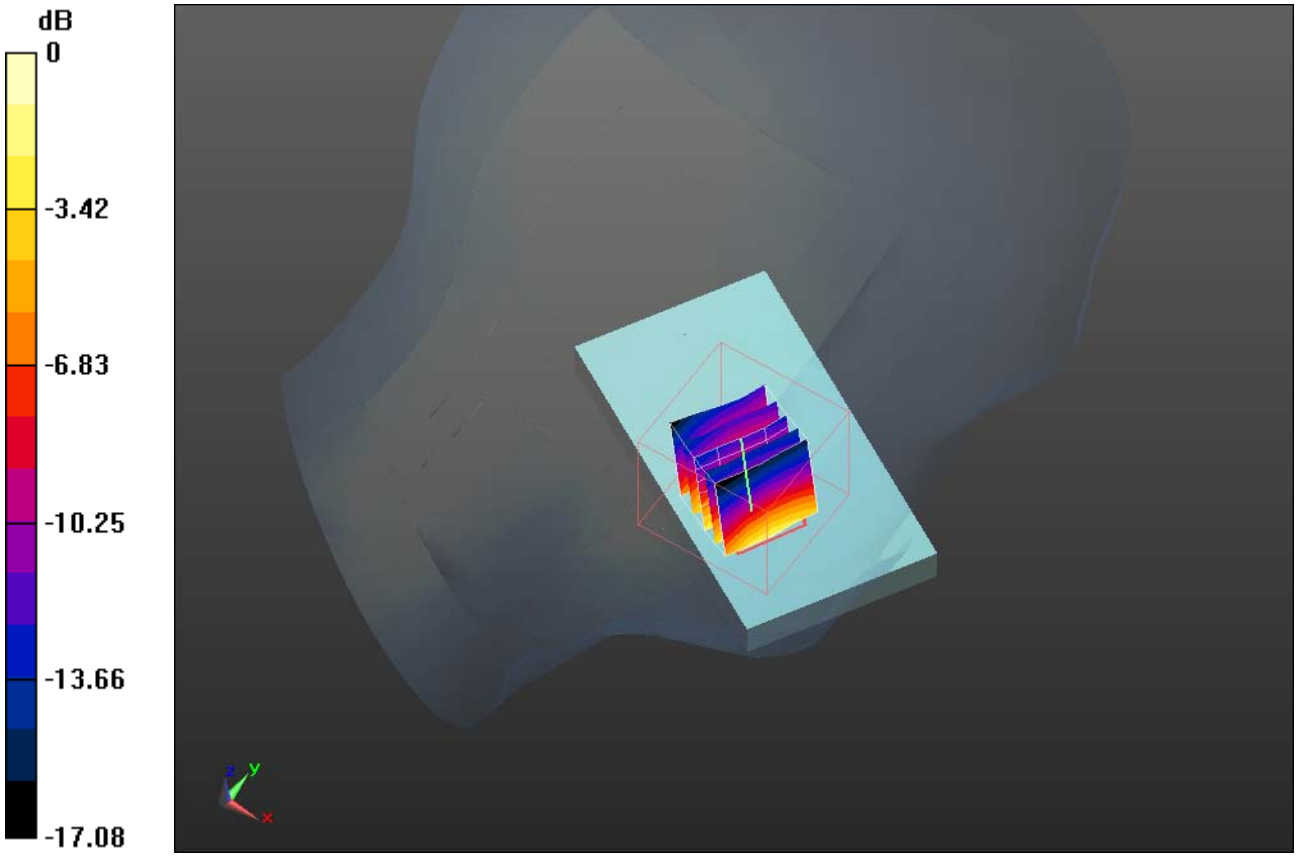
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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 -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.241 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.121 W/kg
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.696 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.483 mW/g



0 dB = 1.480mW/g

Date/Time: 9/6/2011 6:43:36 PM, Date/Time: 9/6/2011 6:48:41 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_II_mid_chan_amb_temp_23.4_liq_temp_23.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141

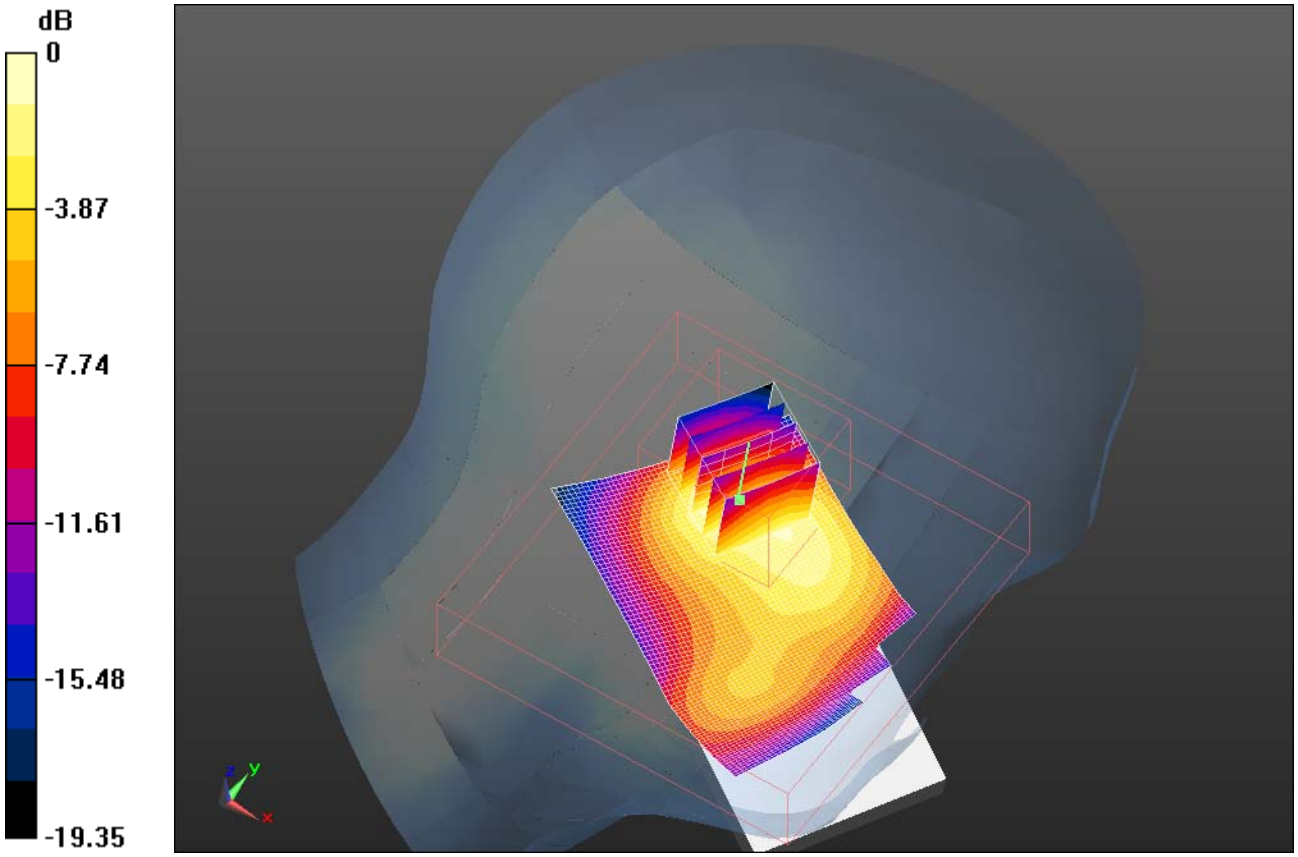
Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.352 mho/m; ε_r = 38.222; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.677 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.730 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.847 W/kg
SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.610mW/g

Date/Time: 8/22/2011 5:03:31 PM, Date/Time: 8/22/2011 5:08:40 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_low_chan_amb_temp_23.2_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 1.834 mho/m; ε_r = 37.685; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

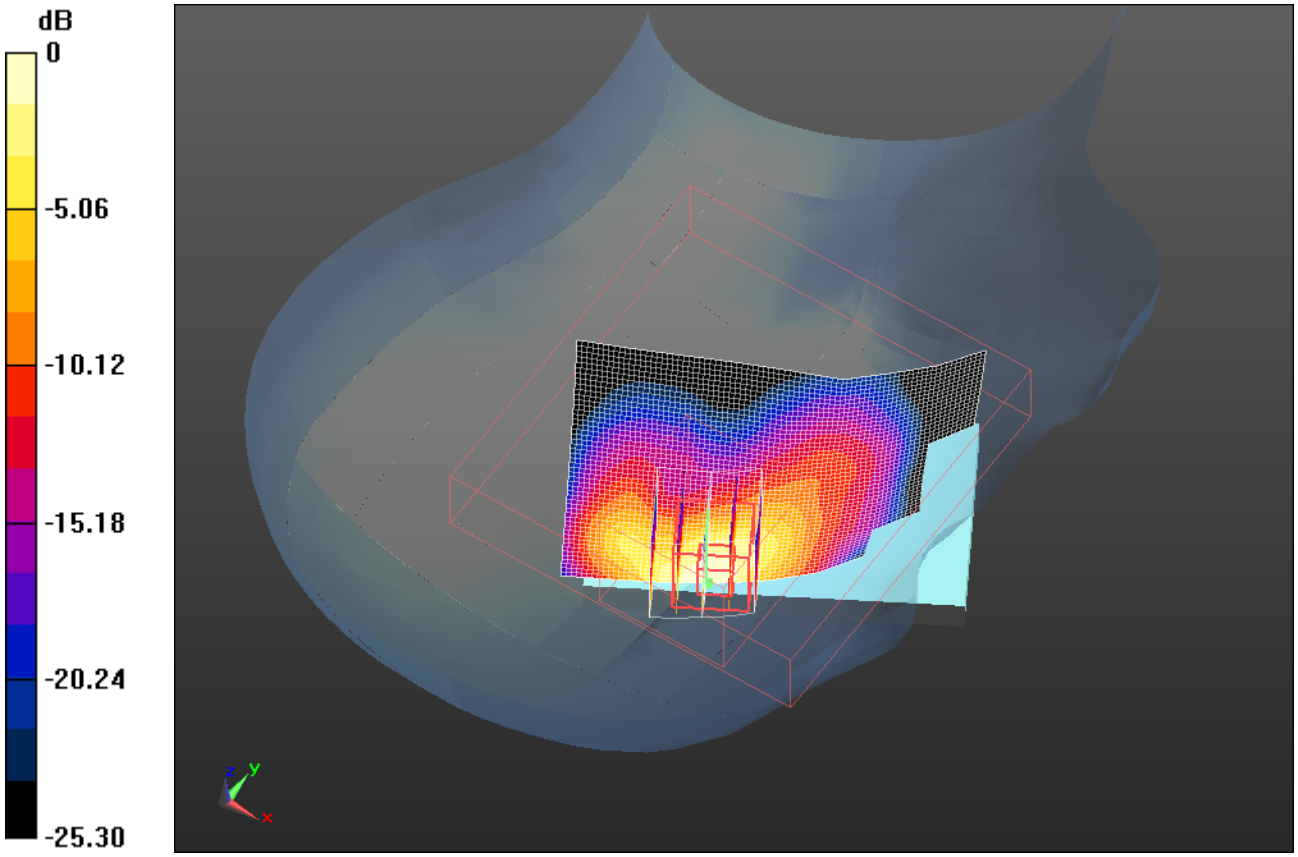
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.527 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.619 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.172 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.516 mW/g



0 dB = 0.520mW/g

Date/Time: 8/22/2011 5:24:47 PM, Date/Time: 8/22/2011 5:29:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_mid_chan_amb_temp_23.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 1.865 mho/m; ε_r = 37.576; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

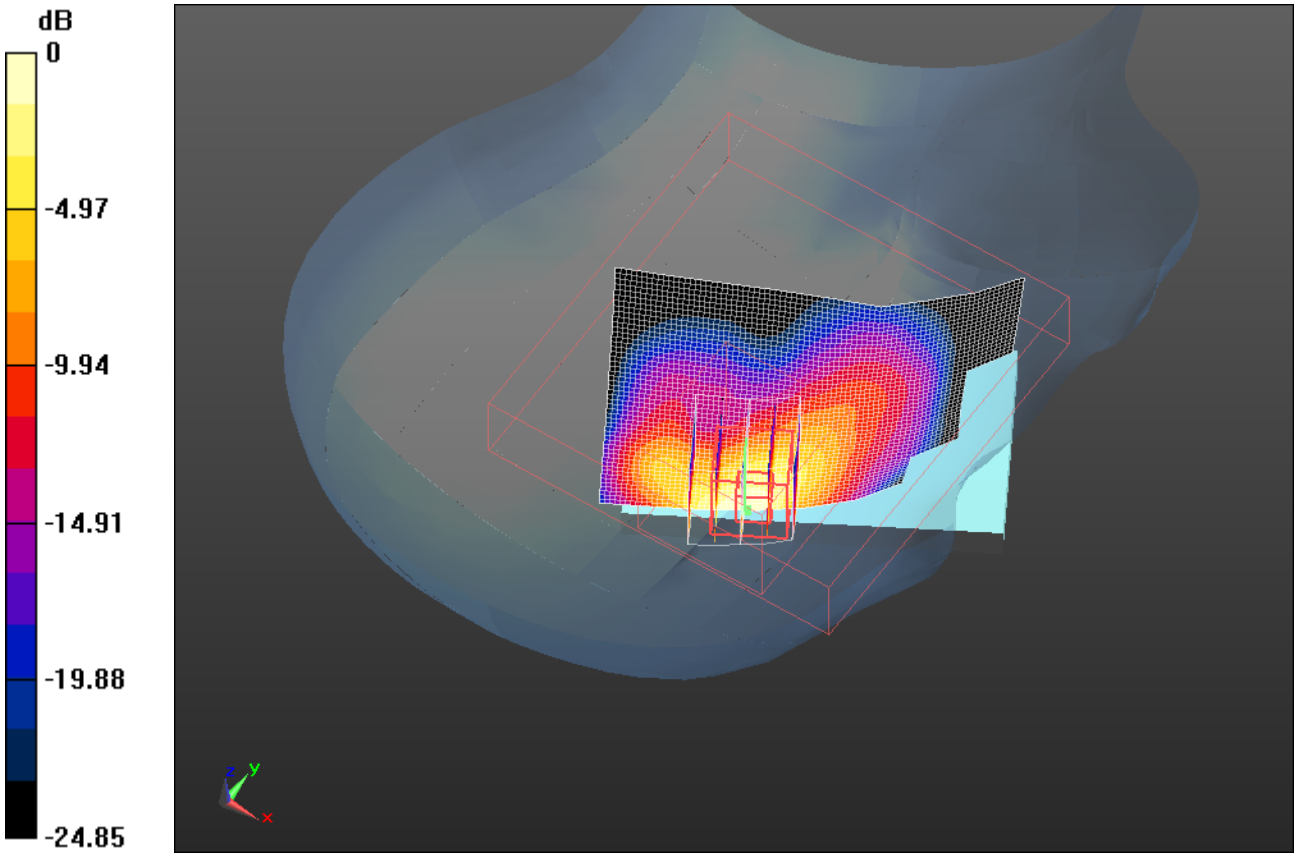
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.723 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.074 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.221 W/kg
SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.238 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.701 mW/g



0 dB = 0.700mW/g

Date/Time: 8/22/2011 5:48:57 PM, Date/Time: 8/22/2011 5:54:08 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_high_chan_amb_temp_23.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 1.893 mho/m; ε_r = 37.466; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

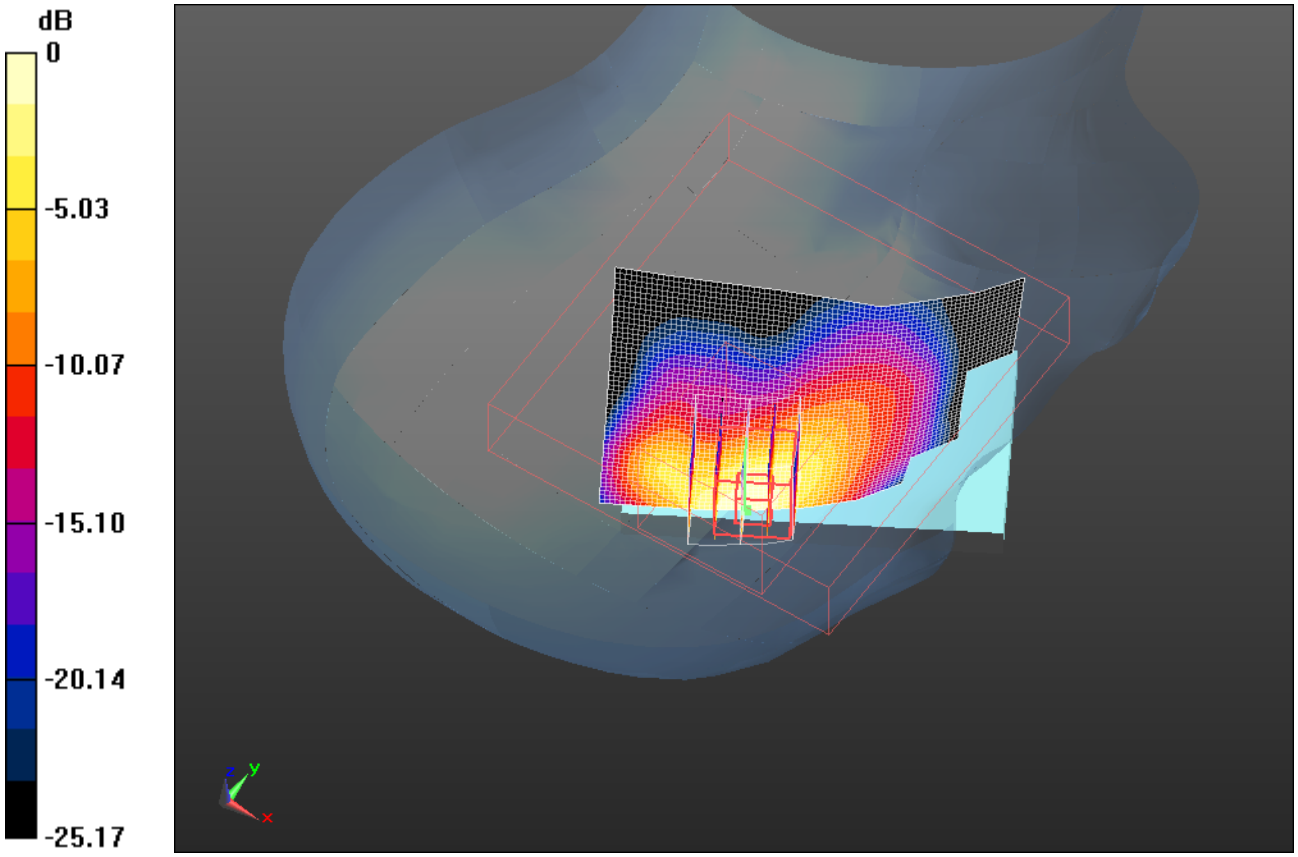
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.755 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.658 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.301 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.252 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.748 mW/g



0 dB = 0.750mW/g

Date/Time: 9/7/2011 8:48:37 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

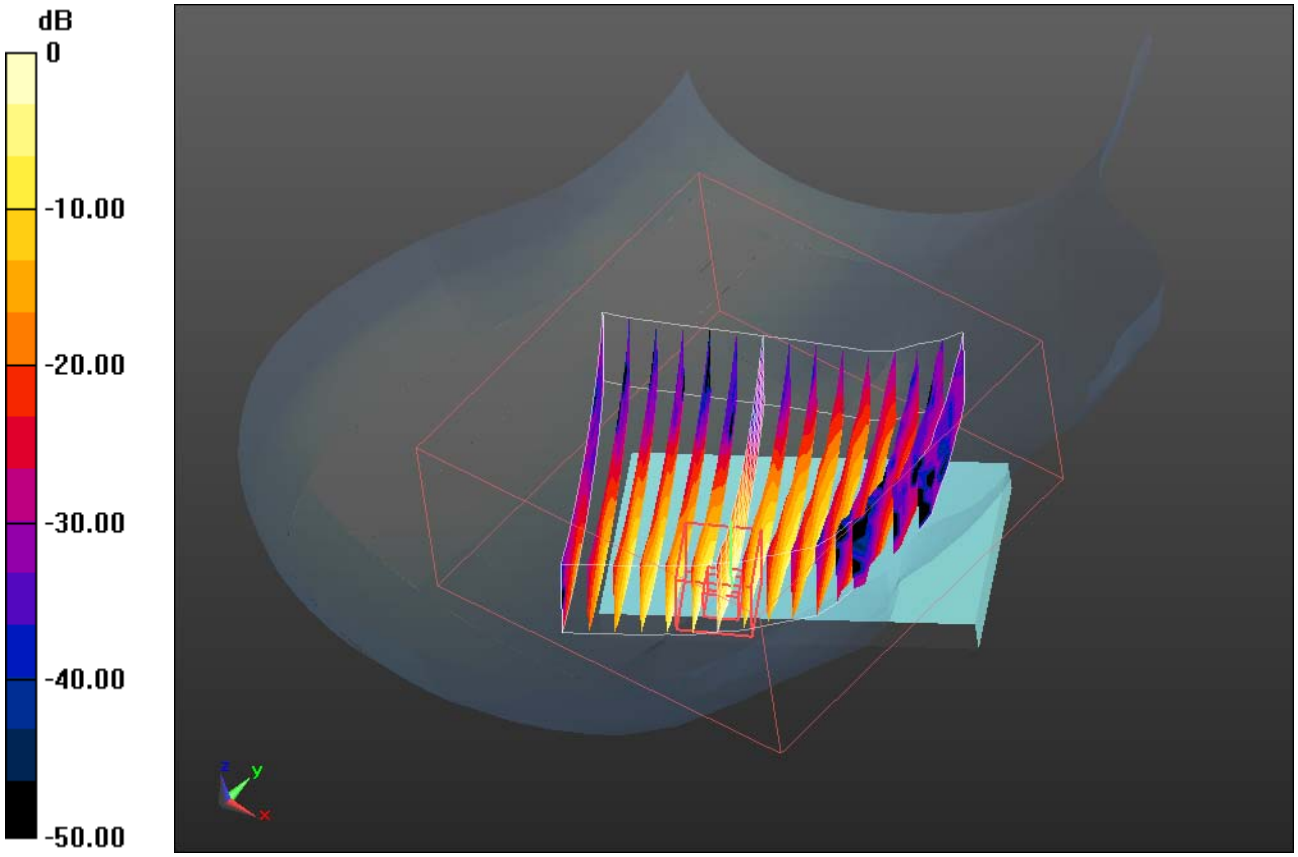
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 3.847 V/m; Power Drift = 0.97 dB
Peak SAR (extrapolated) = 1.247 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.245 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.717 mW/g



0 dB = 0.720mW/g

Date/Time: 8/22/2011 6:36:41 PM, Date/Time: 8/22/2011 6:41:52 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_mid_chan_amb_temp_23.3_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 1.865 mho/m; ε_r = 37.576; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

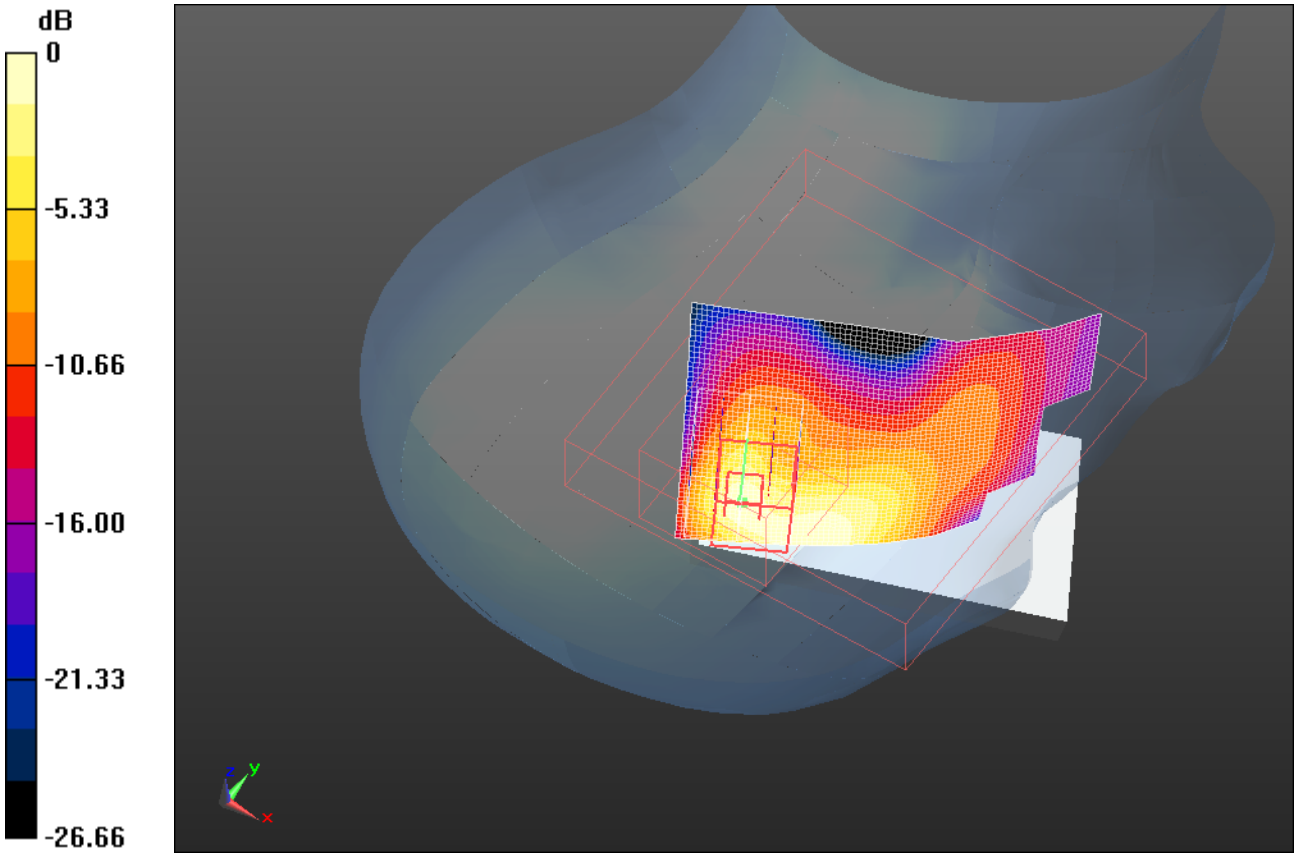
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.228 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.401 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.066 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.211 mW/g



0 dB = 0.210mW/g

Date/Time: 8/22/2011 3:44:56 PM, Date/Time: 8/22/2011 3:50:41 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_low_chan_amb_temp_23.3_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: 802.11 b (2450); Frequency: 2412 MHz
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.834 mho/m; ε_r = 37.685; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

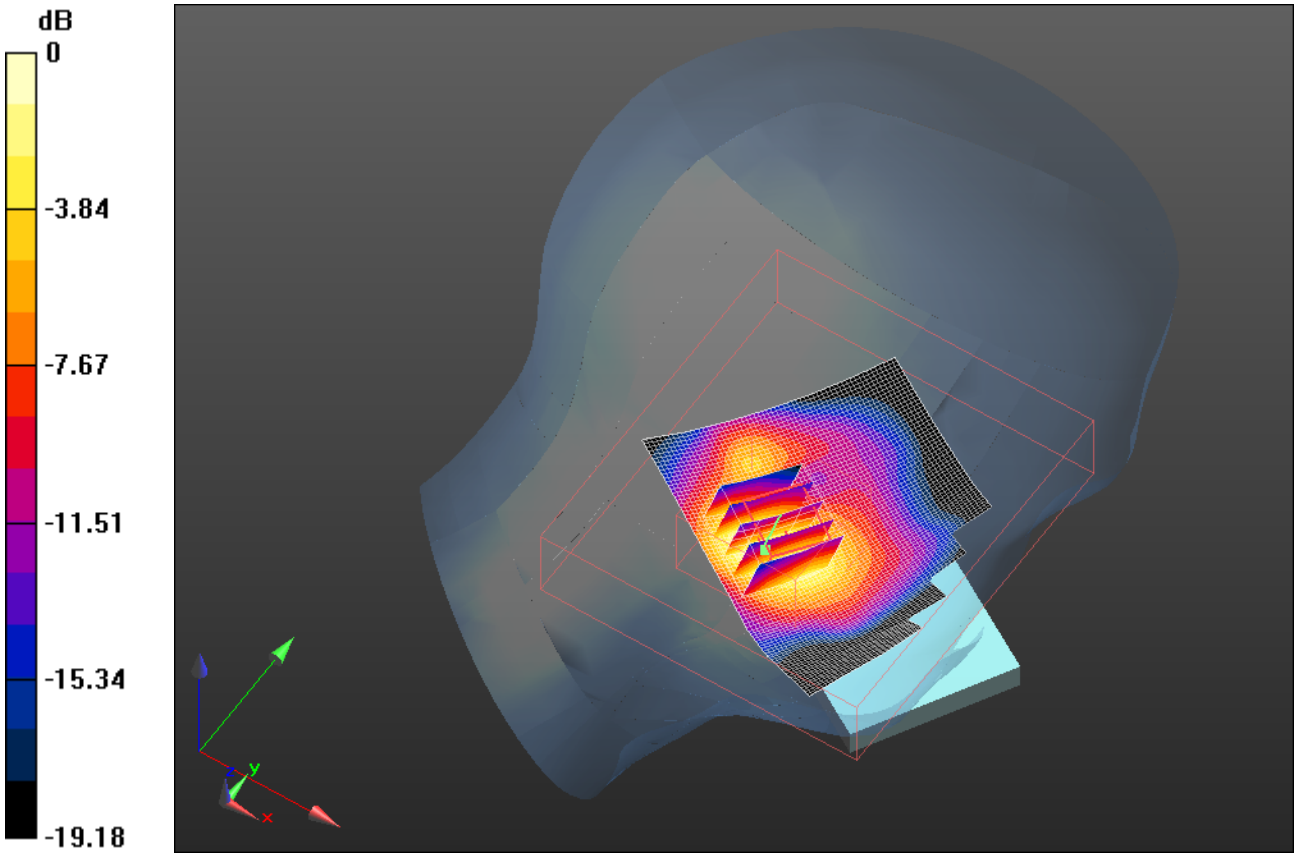
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.308 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.571 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.482 W/kg
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.116 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.311 mW/g



0 dB = 0.310mW/g

Date/Time: 8/22/2011 3:30:35 PM, Date/Time: 8/22/2011 3:36:23 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_mid_chan_amb_temp_23.3_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.865 mho/m; ε_r = 37.576; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

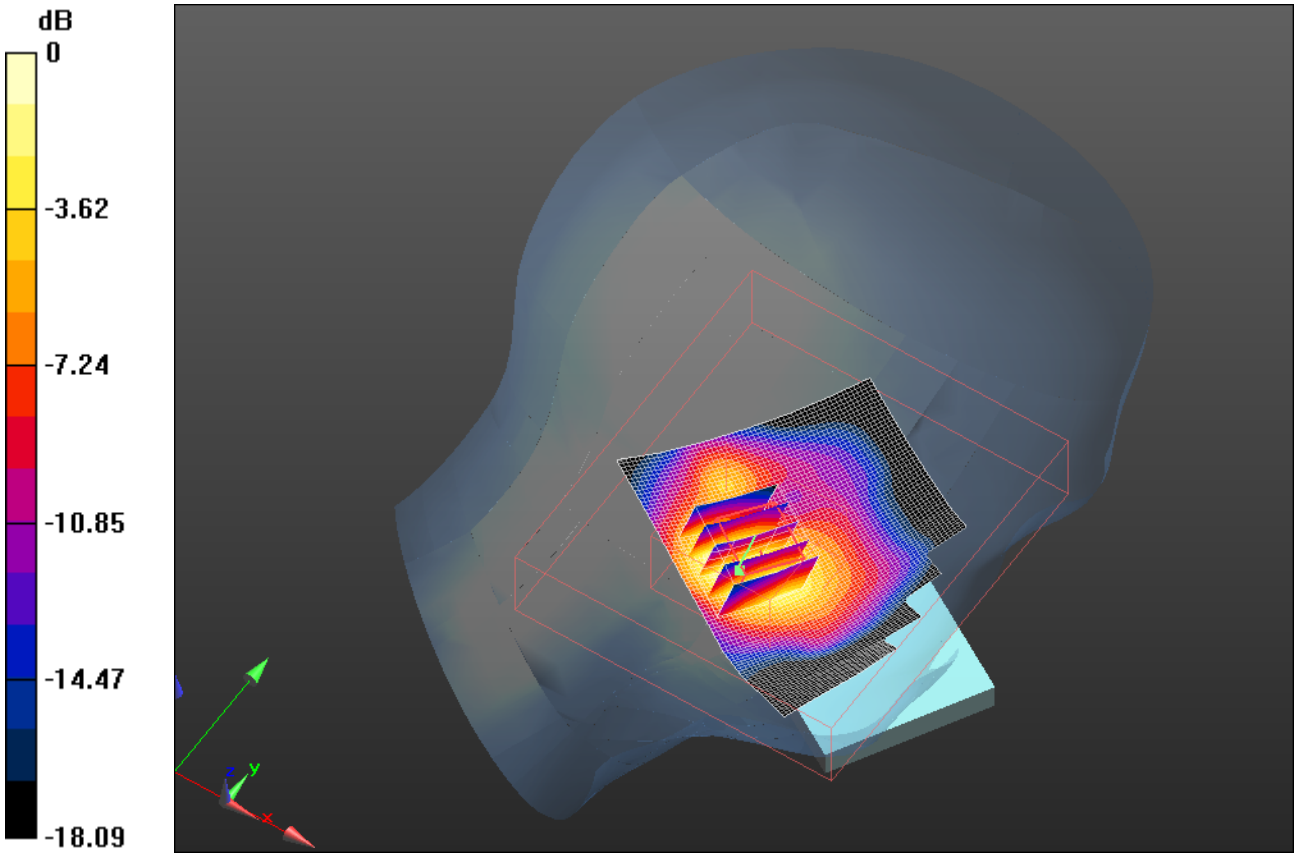
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.329 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.459 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.126 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.332 mW/g



0 dB = 0.330mW/g

Date/Time: 8/22/2011 11:22:05 PM, Date/Time: 8/22/2011 11:27:50 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_23.4_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

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 = 1.893 mho/m; ε_r = 37.466; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

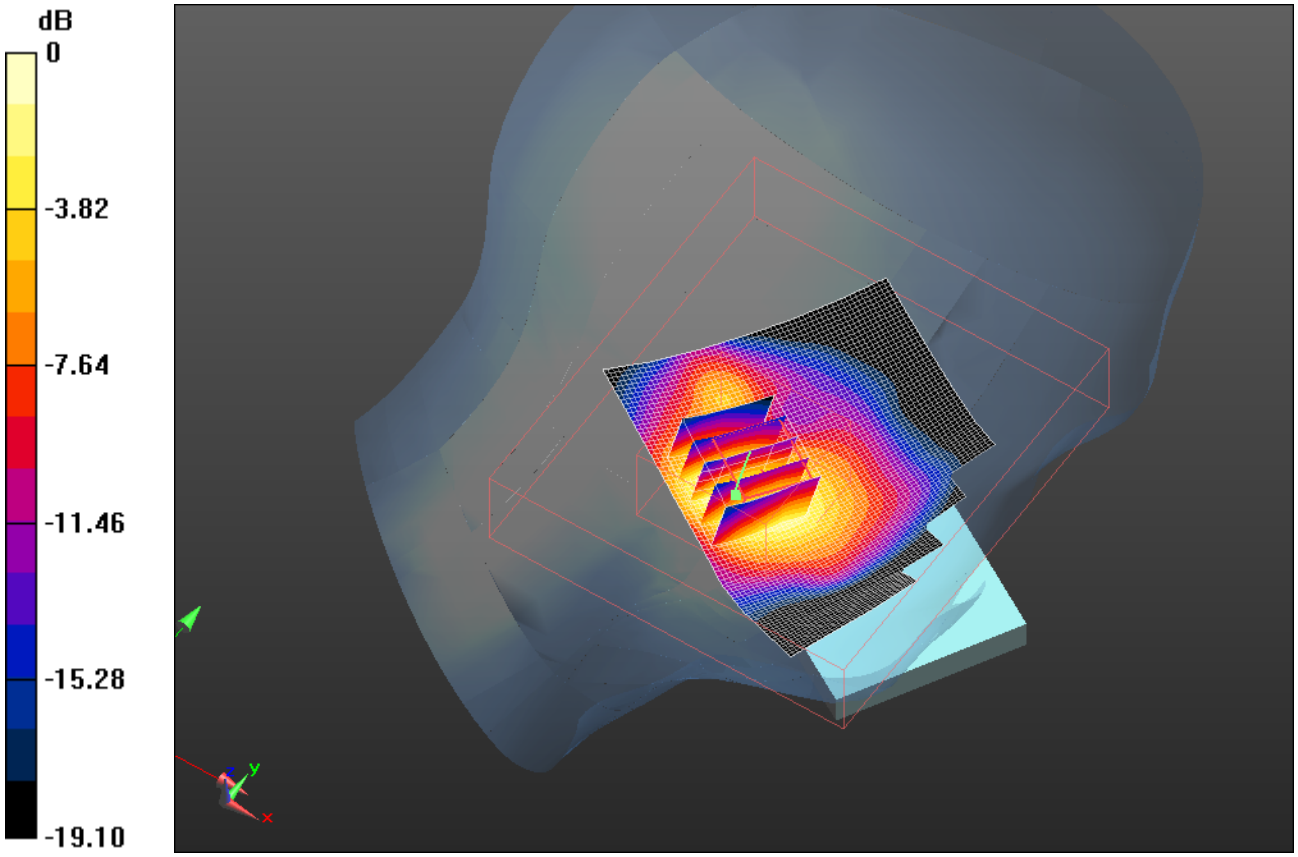
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.399 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.671 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.149 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.389 mW/g



0 dB = 0.390mW/g

Date/Time: 9/7/2011 5:20:10 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

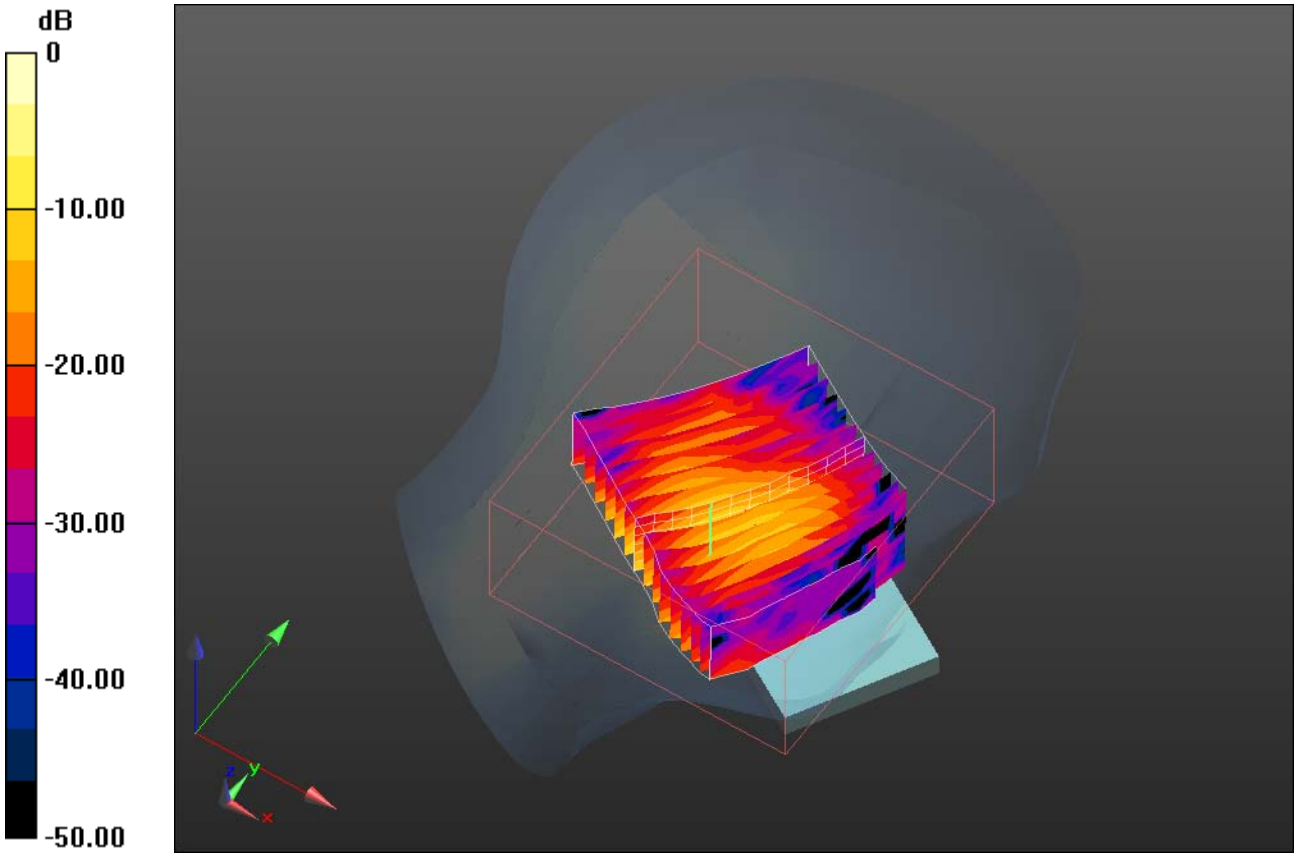
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.210 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.159 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.395 mW/g



0 dB = 0.390mW/g

Date/Time: 8/22/2011 4:15:50 PM, Date/Time: 8/22/2011 4:21:35 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_mid_chan_amb_temp_23.4_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.865 mho/m; ε_r = 37.576; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

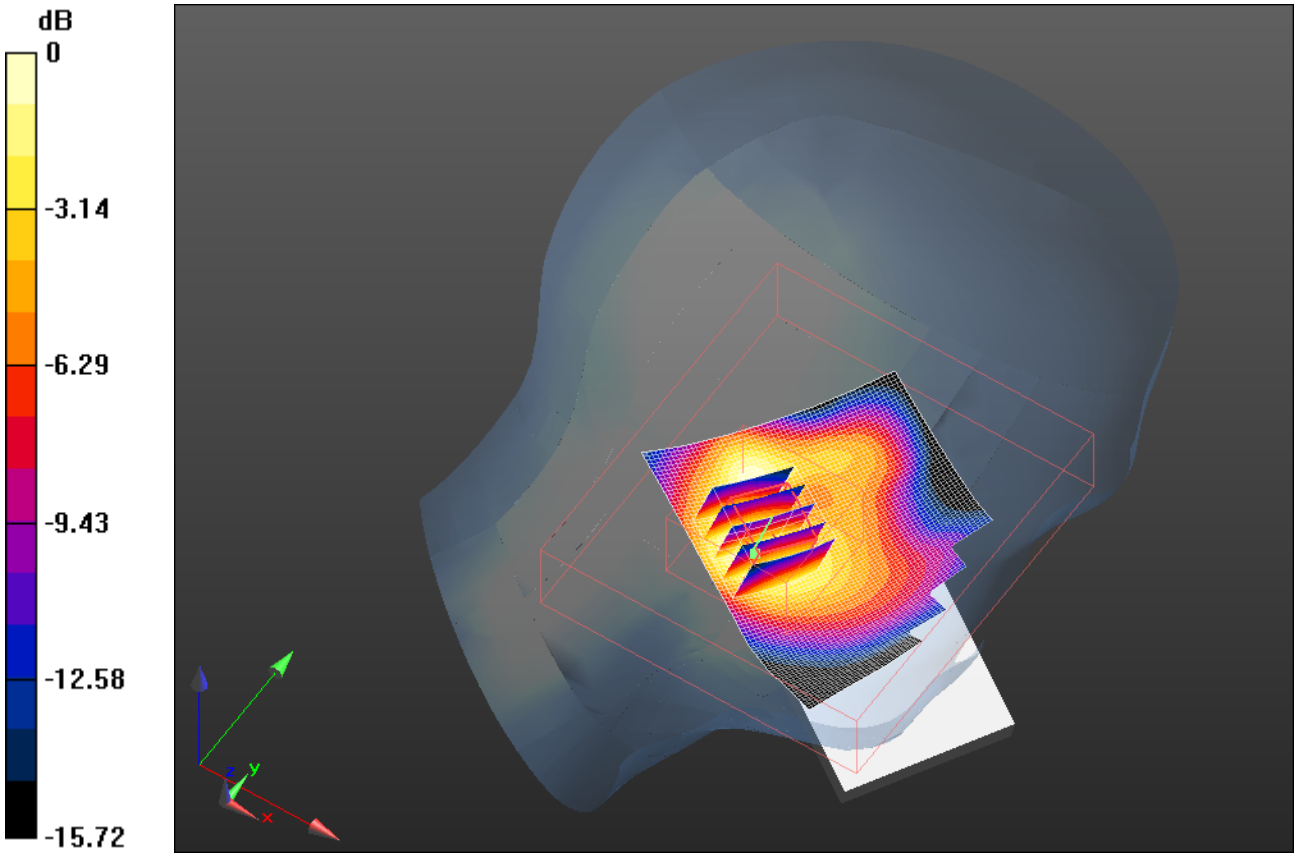
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.101 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.586 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.041 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.099 mW/g



0 dB = 0.100mW/g

Date/Time: 8/22/2011 10:50:09 PM, Date/Time: 8/22/2011 10:55:19 PM

Test Laboratory: RIM Testing Services

RightHandSide_Bluetooth_high_chan_amb_temp_23.2_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

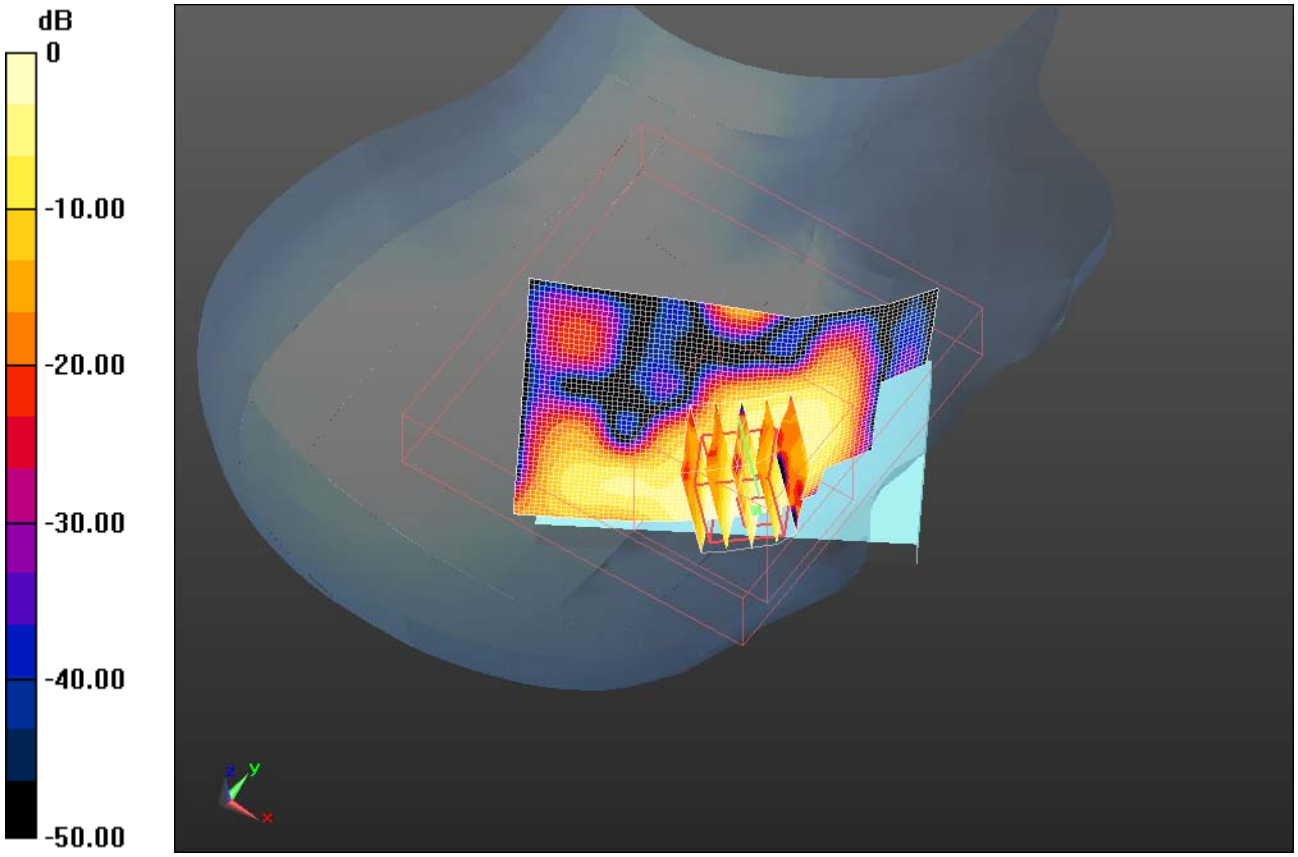
Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2480 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 2480 MHz; σ = 1.917 mho/m; ε_r = 37.382; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.032 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.950 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.046 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.008 mW/g
Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.020mW/g

Date/Time: 9/8/2011 10:41:29 AM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: Bluetooth; Frequency: 2480 MHz
Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

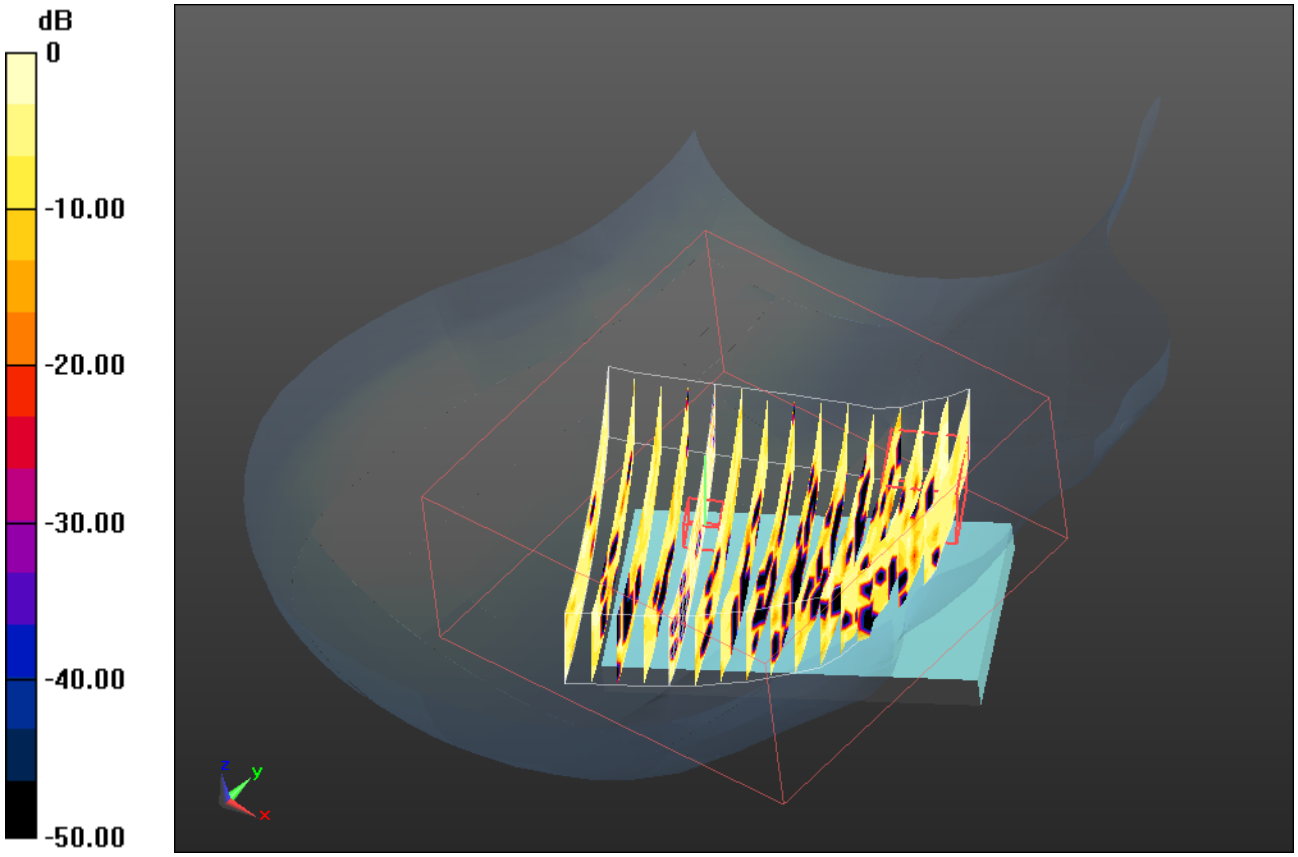
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 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 = 1.010 V/m; Power Drift = 0.45 dB
Peak SAR (extrapolated) = 0.00102 W/kg
SAR(1 g) = 0.000342 mW/g; SAR(10 g) = 7.55e-005 mW/g

Maximum value of SAR (measured) = 0.00102 mW/g



0 dB = 0.001mW/g

Date/Time: 8/22/2011 10:29:28 PM, Date/Time: 8/22/2011 10:35:14 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Bluetooth_high_chan_amb_temp_23.4_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

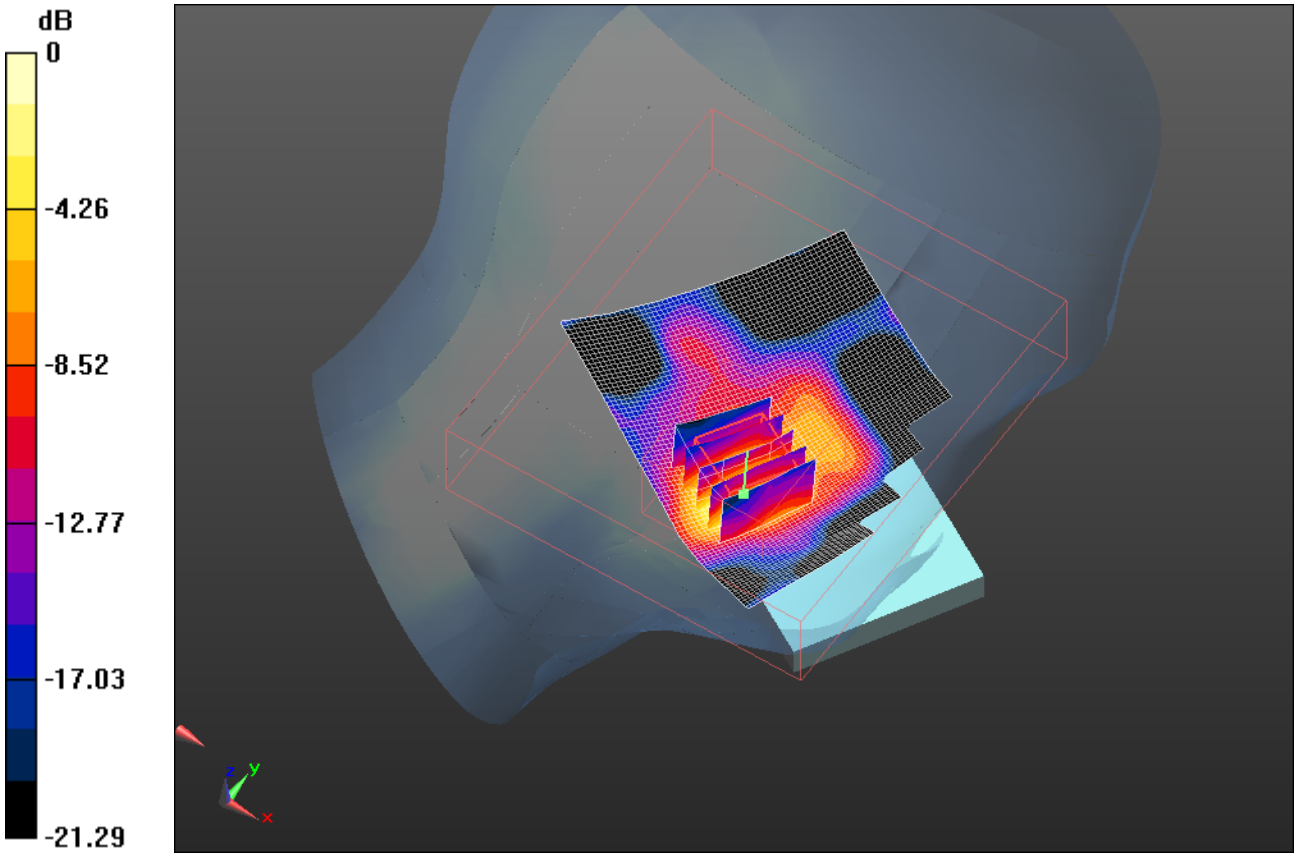
Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2480 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 2480 MHz; σ = 1.917 mho/m; ε_r = 37.382; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.034 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.680 V/m; Power Drift = 3.77 dB
Peak SAR (extrapolated) = 0.062 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.035 mW/g



0 dB = 0.030mW/g

Date/Time: 9/8/2011 11:40:12 AM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.8_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923

Communication System: Bluetooth; Frequency: 2480 MHz
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/ANSI C63.19-2007)

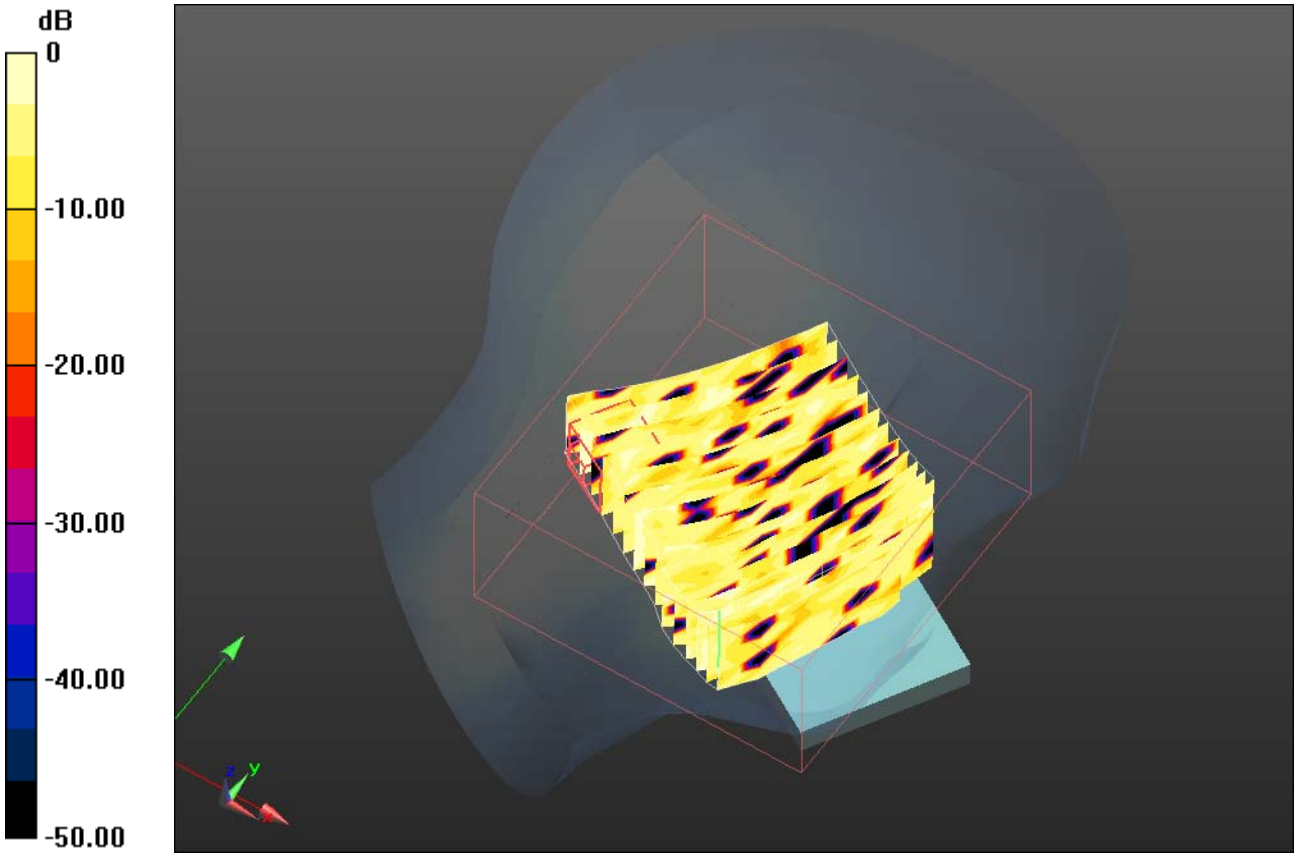
DASY5 Configuration:

- 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 = 0.899 V/m; Power Drift = 0.59 dB
Peak SAR (extrapolated) = 0.00185 W/kg
SAR(1 g) = 0.000438 mW/g; SAR(10 g) = 8.36e-005 mW/g

Maximum value of SAR (measured) = 0.000936 mW/g



0 dB = 0.00094mW/g

Multi-Band Average SAR_EDGE850_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/15/2011 8:05:45 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_EDGE850_high_chan_amb_temp_23.5_liq_temp_22.6C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.19952
Medium: HSL835 Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.949 mho/m; ε_r = 39.687; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 8:48:37 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

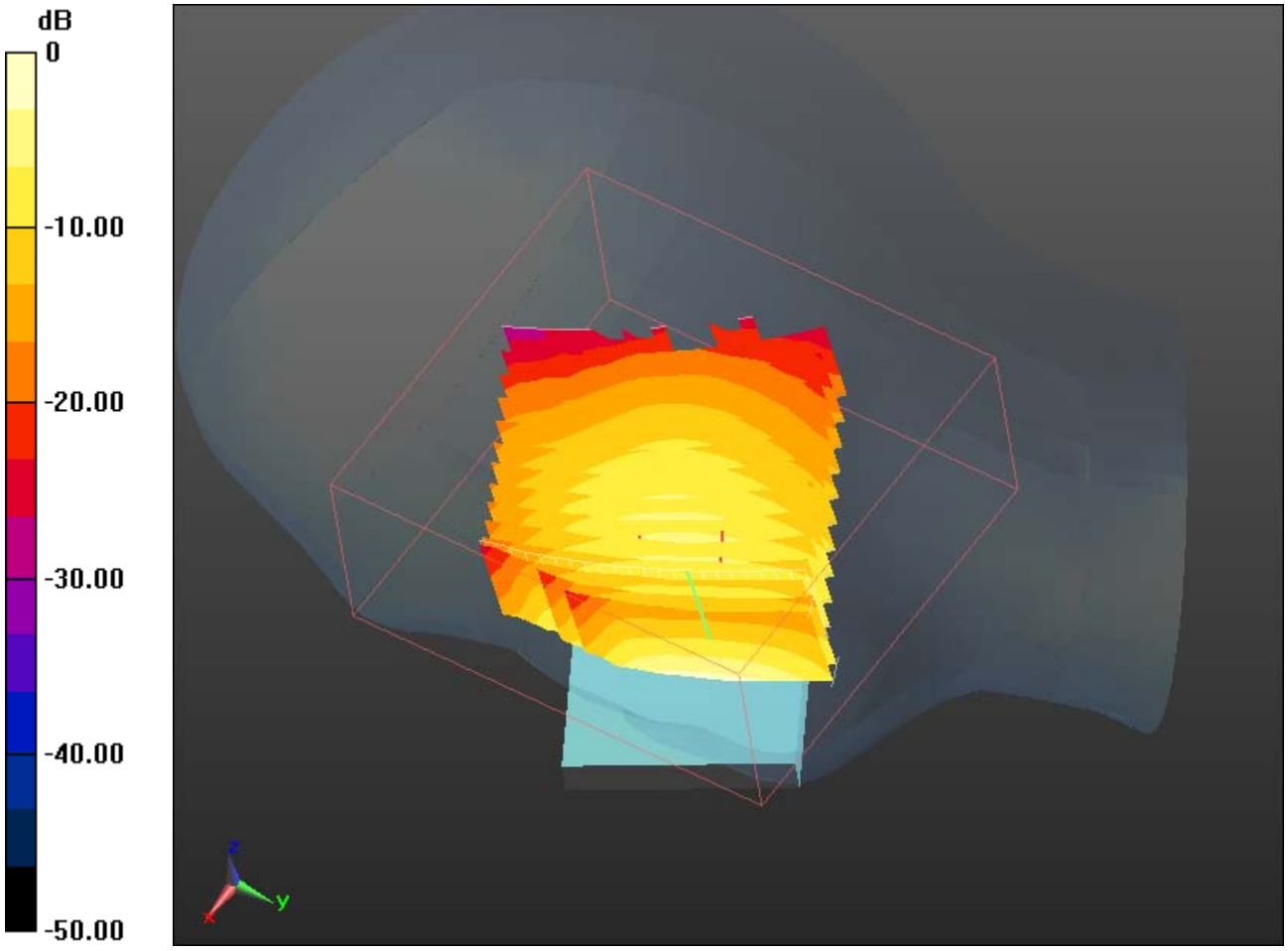
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/8/2011 10:41:29 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Sscan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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) = 1.21 mW/g; SAR(10 g) = 0.862 mW/g
Maximum value of SAR (interpolated) = 1.634 mW/g



0 dB = 1.630mW/g

Multi-Band Average SAR_RHT_UMTS band V_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/7/2011 8:48:37 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 10:41:29 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Sscan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

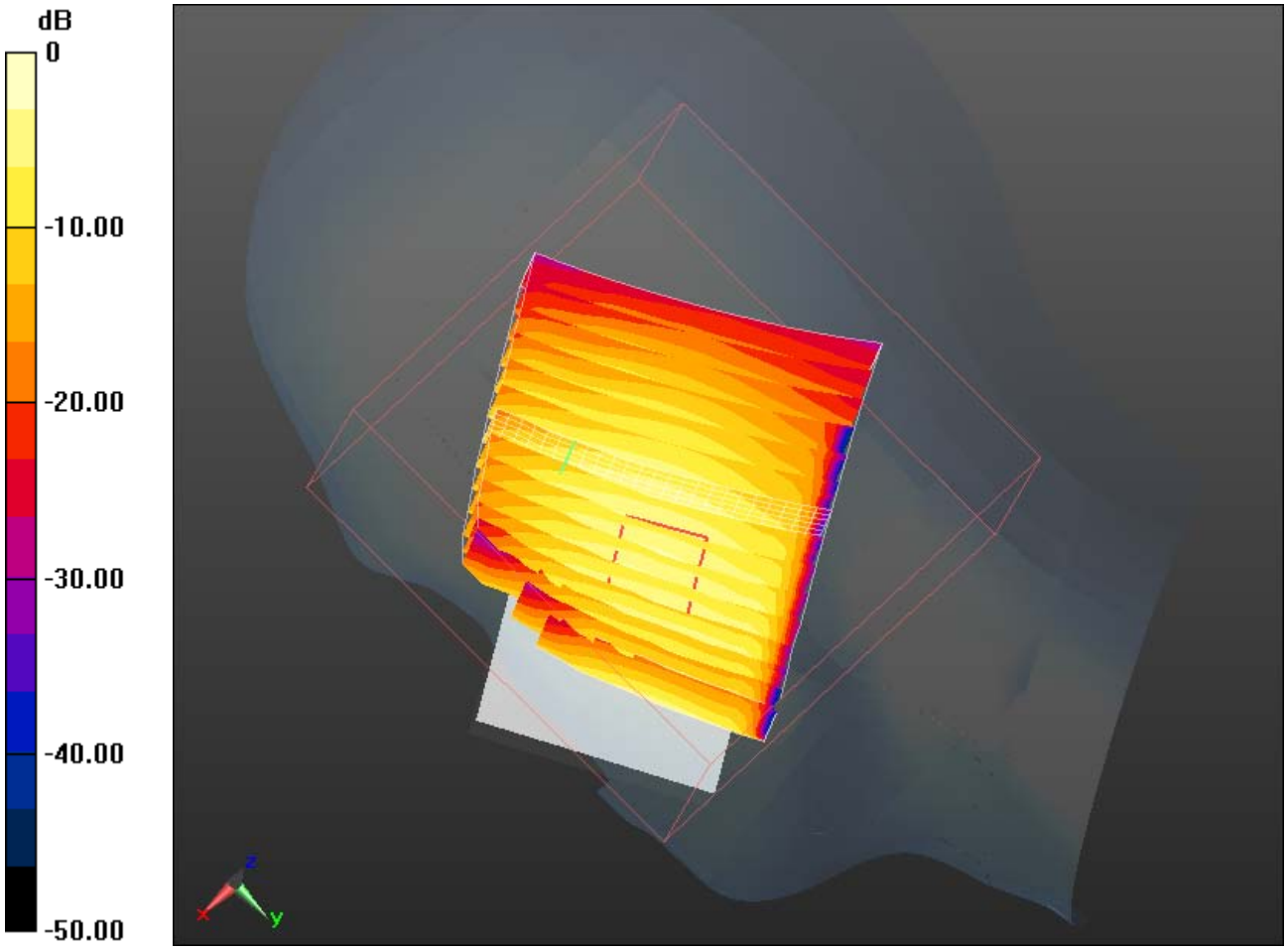
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/15/2011 6:11:42 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_UMTS_band_V_high_chan_amb_temp_23.4_liq_temp_22.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.947 mho/m; ε_r = 39.73; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.817 mW/g
Maximum value of SAR (interpolated) = 1.568 mW/g



0 dB = 1.570mW/g

Multi-Band Average SAR_RHT_EDGE 1900_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/7/2011 8:48:37 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 10:41:29 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Sscan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

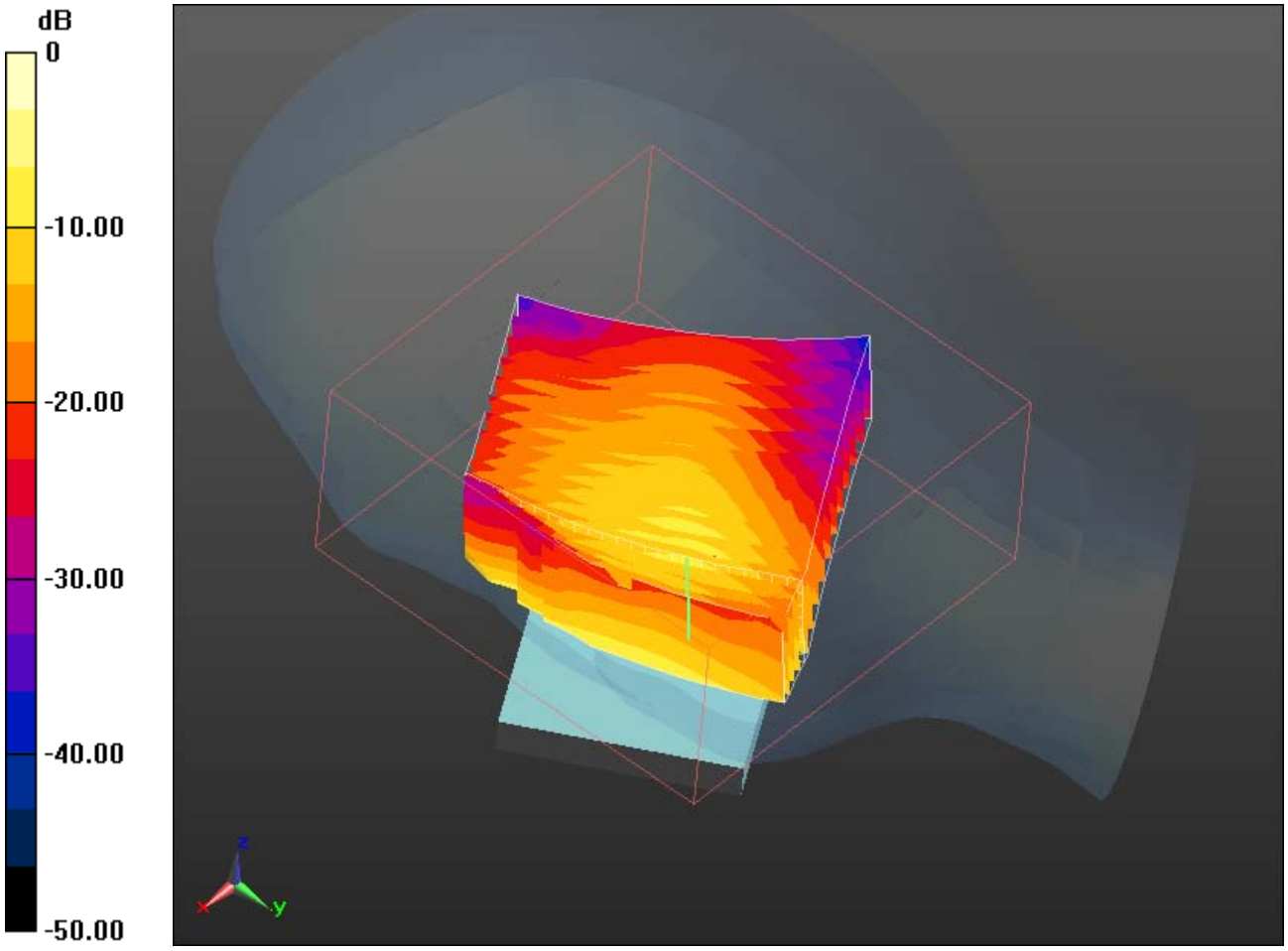
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/9/2011 6:34:22 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium: HSL1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.328 mho/m; ε_r = 38.694; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.700 mW/g
Maximum value of SAR (interpolated) = 1.578 mW/g



0 dB = 1.580mW/g

Multi-Band Average SAR_LHT_GSM_EDGE1900_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/29/2011 2:06:28 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_EDGE1900_low_chan_amb_temp_22.8_liq_temp_22.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141
Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.19952
Medium: HSL1900 Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.345 mho/m; ε_r = 38.835; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 5:20:10 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

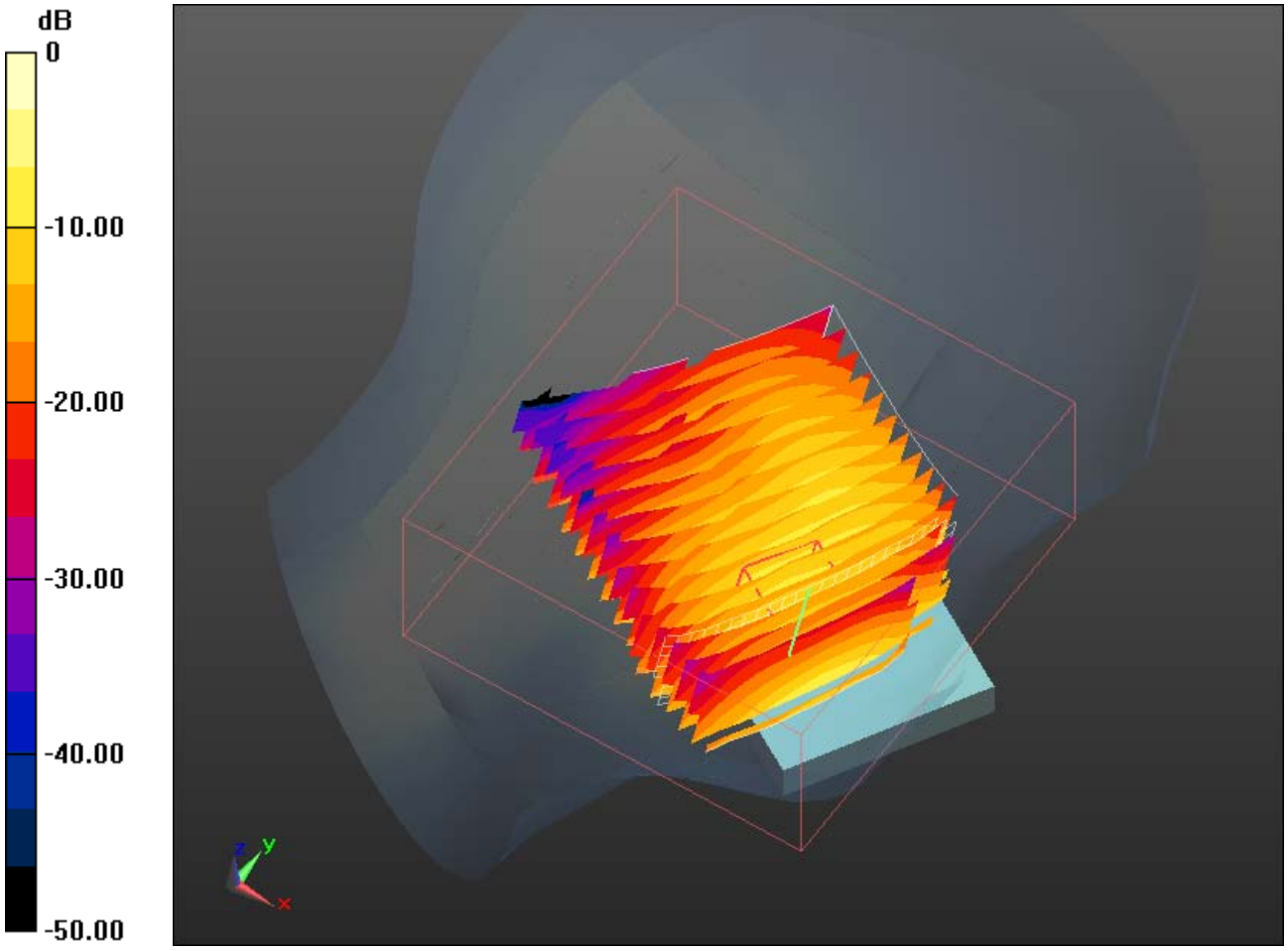
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/8/2011 11:40:12 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.8_liq_temp_22.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
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/ANSI C63.19-2007)

- 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) = 1.33 mW/g; SAR(10 g) = 0.754 mW/g
Maximum value of SAR (interpolated) = 2.227 mW/g



0 dB = 2.230mW/g

Multi-Band Average SAR_RHT_UMTS_band_II_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/9/2011 11:15:39 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_UMTS_Band_II_low_chan_amb_temp_22.9_liq_temp_22.9C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.331 mho/m; ε_r = 38.682; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 8:48:37 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

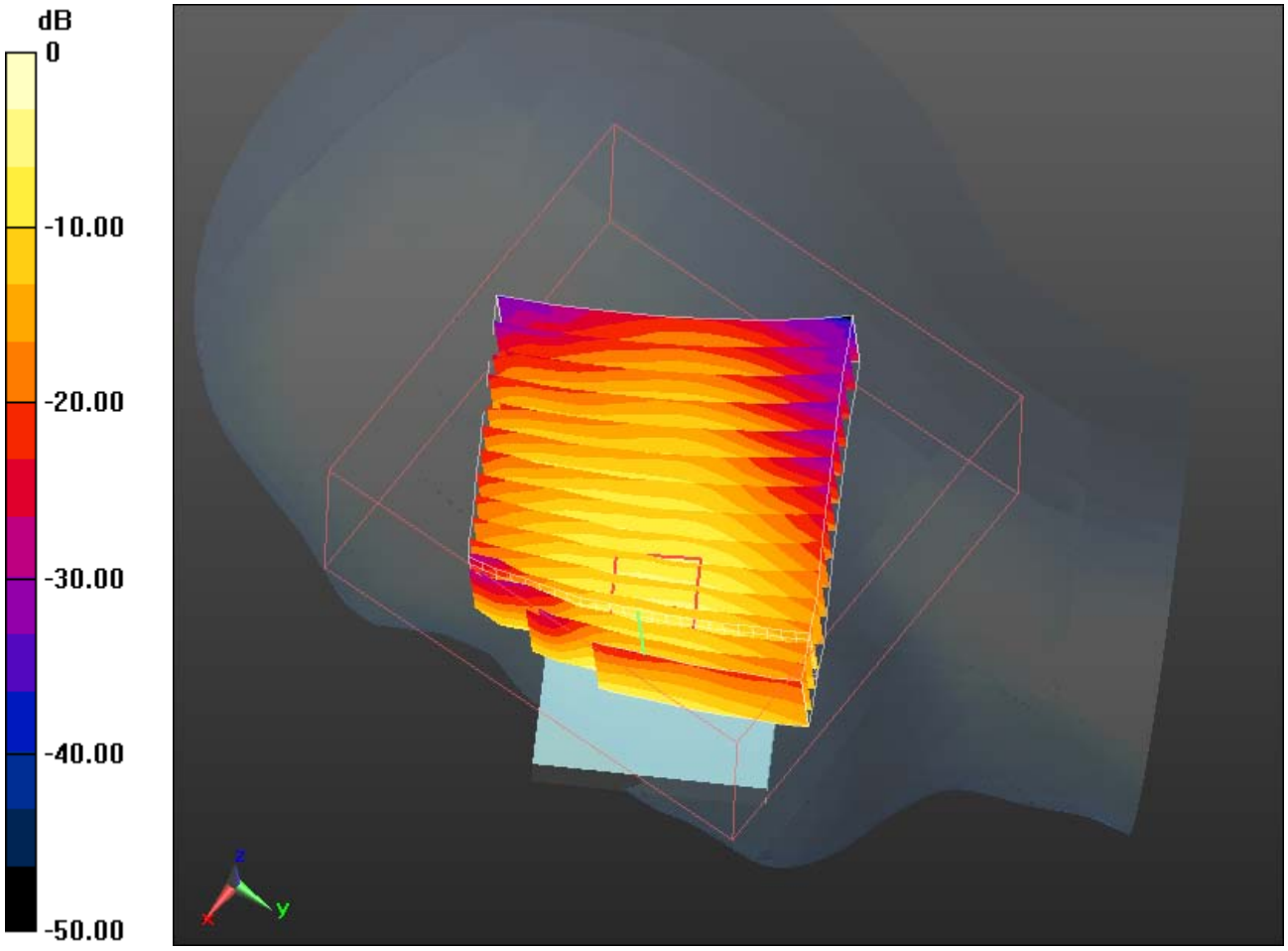
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/8/2011 10:41:29 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Sscan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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) = 1.06 mW/g; SAR(10 g) = 0.689 mW/g
Maximum value of SAR (interpolated) = 1.590 mW/g



0 dB = 1.590mW/g

Multi-Band Average SAR_LHT_UMTS band II_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/9/2011 9:13:54 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_UMTS_band_II_low_chan_amb_temp_22.9_liq_temp_22.8C.da52:0
DUT: BlackBerry Smartphone; Type: Sample; Serial: 28302141
Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.331 mho/m; ε_r = 38.682; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 5:20:10 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

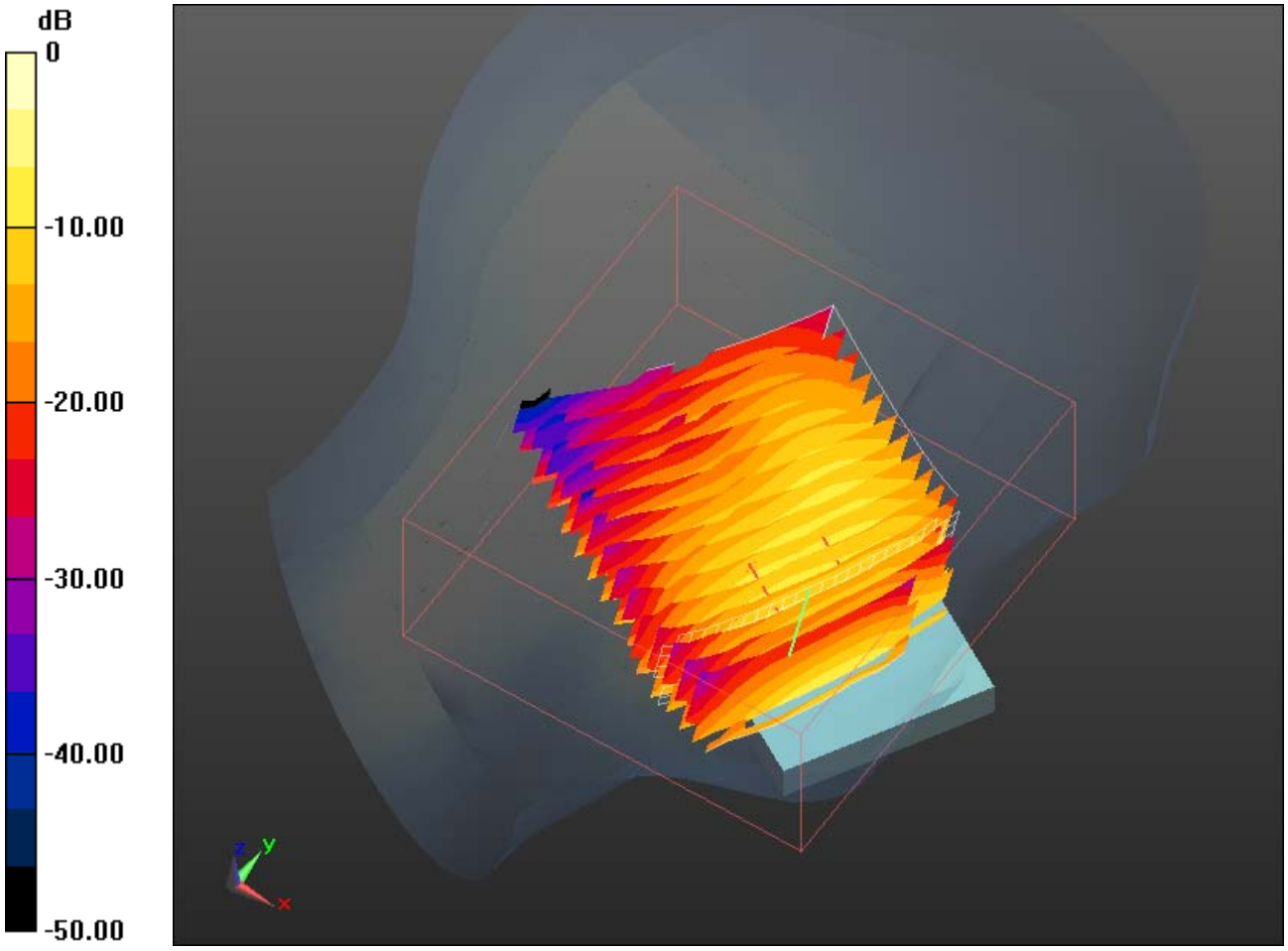
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/8/2011 11:40:12 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.8_liq_temp_22.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
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/ANSI C63.19-2007)

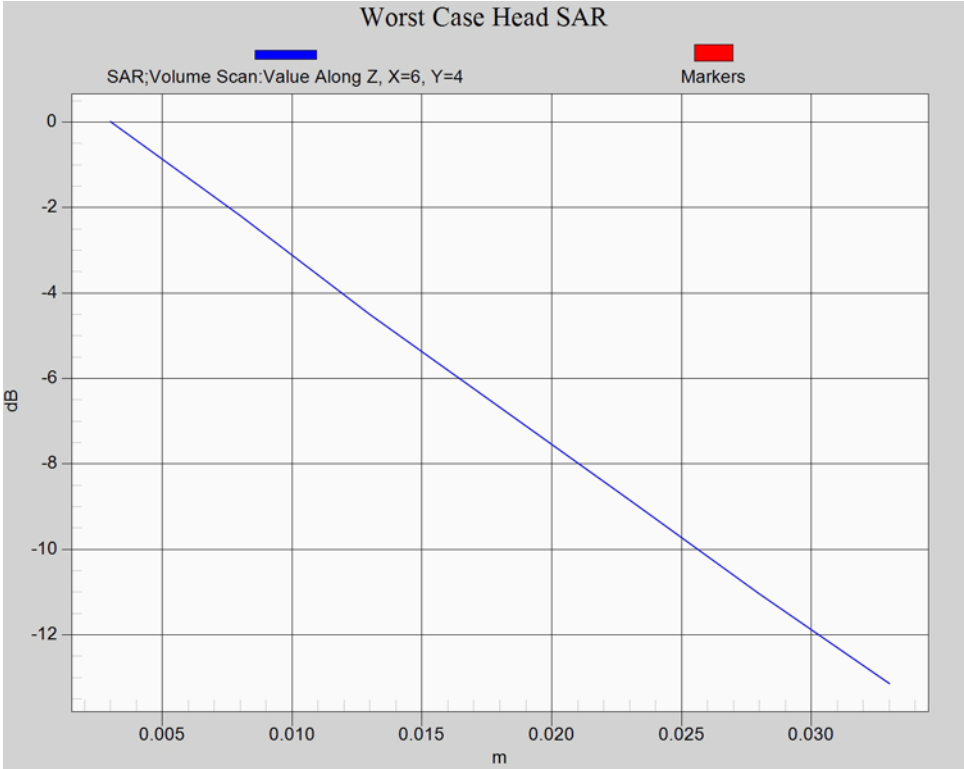
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.780 mW/g
Maximum value of SAR (interpolated) = 2.146 mW/g



0 dB = 2.150mW/g

Z axis plot for the worst case head configuration:



Date/Time: 9/1/2011 1:33:50 PM, Date/Time: 9/1/2011 1:38:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_low_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.35 mho/m; ε_r = 41.103; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

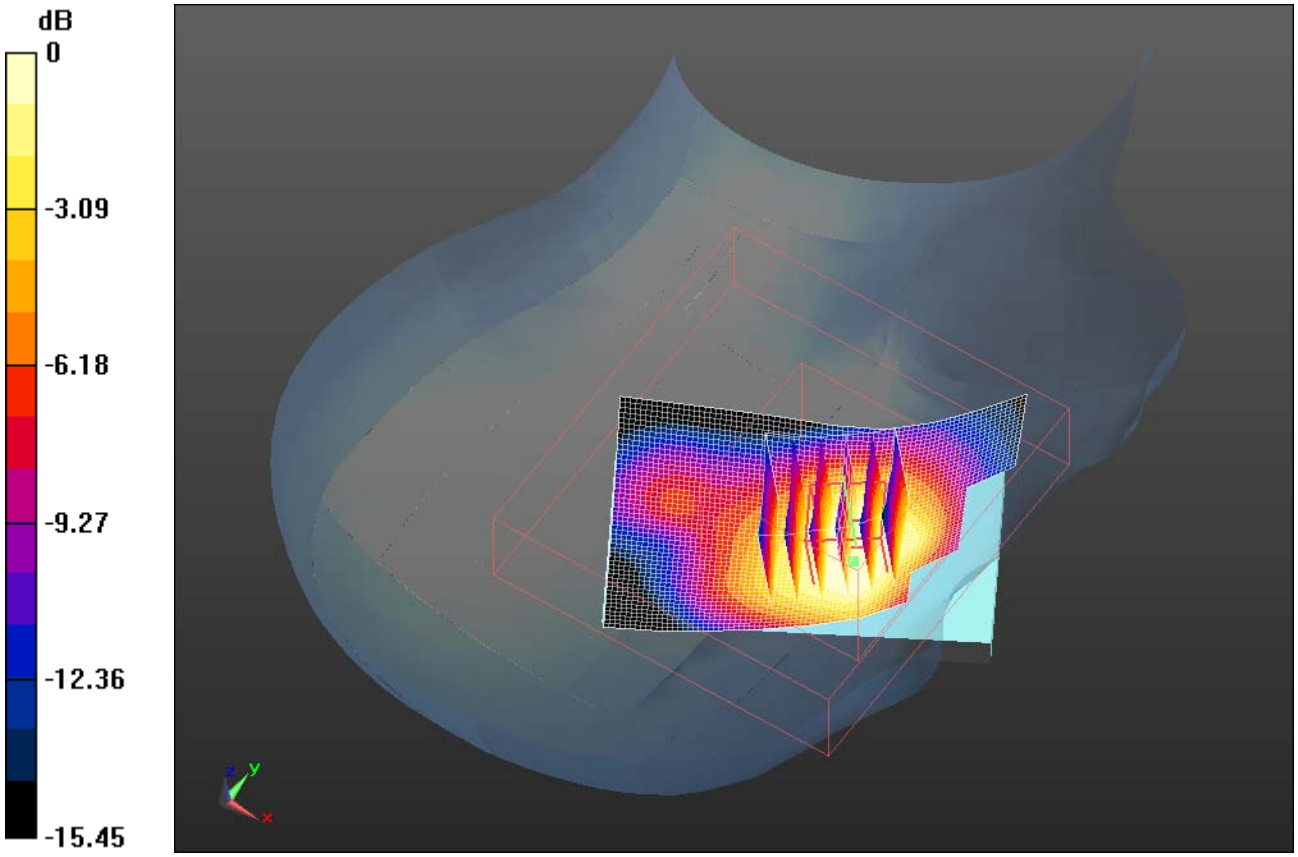
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.177 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.816 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.397 W/kg
SAR(1 g) = 0.967 mW/g; SAR(10 g) = 0.640 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.109 mW/g



0 dB = 1.110mW/g

Date/Time: 9/1/2011 1:15:45 PM, Date/Time: 9/1/2011 1:21:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_mid_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.369 mho/m; ε_r = 41.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

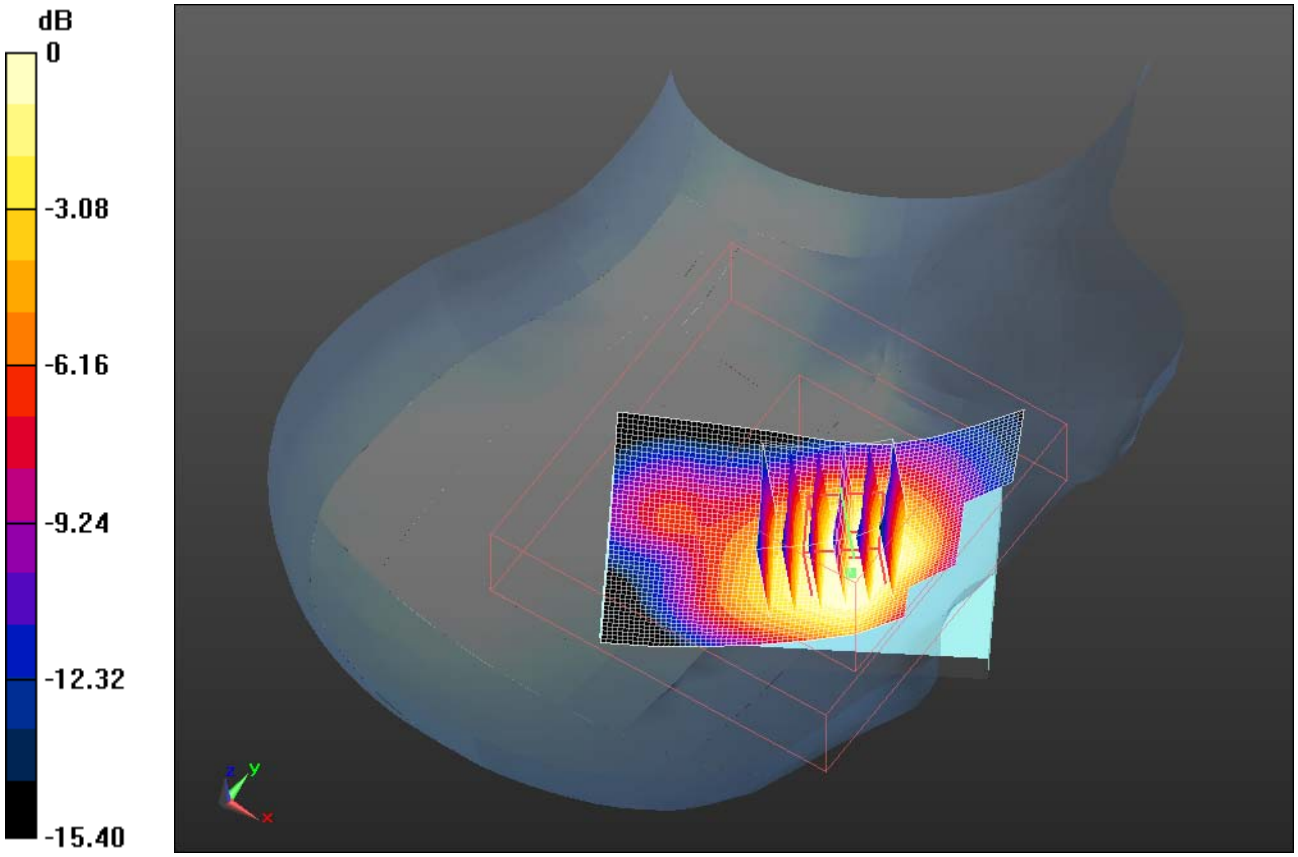
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.242 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.300 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.467 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.668 mW/g

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



0 dB = 1.150mW/g

Date/Time: 9/9/2011 2:49:14 PM

Test Laboratory: RIM Testing Services

Volume_Scan_RightHandSide_UMTS_band_IV_mid_chan_amb_temp_24.5_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.338 mho/m; ε_r = 39.408; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

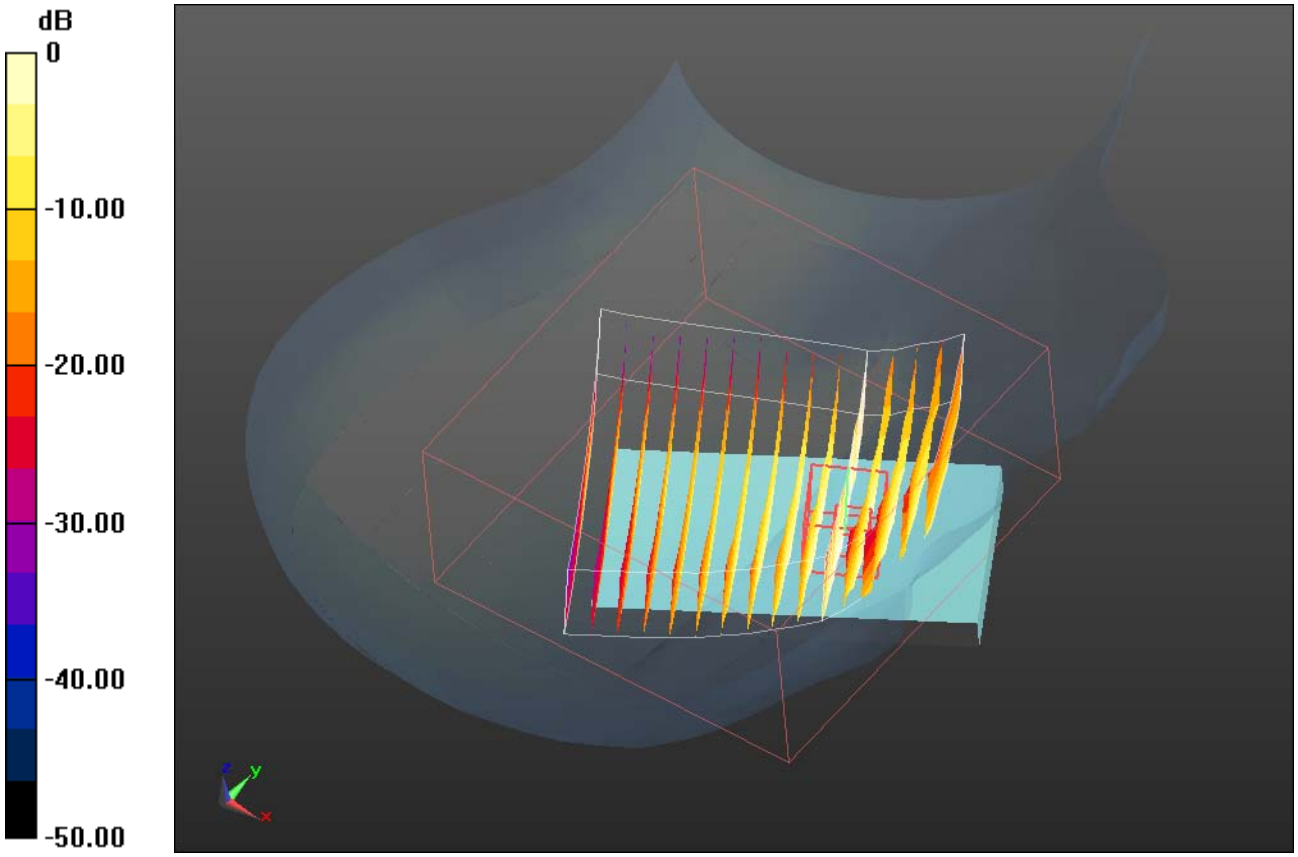
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position - 2/Zoom Scan (5x5x7) 2 (13x15x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.661 V/m; Power Drift = 0.65 dB
Peak SAR (extrapolated) = 1.543 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.681 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.186 mW/g



0 dB = 1.190mW/g

Date/Time: 9/1/2011 1:49:18 PM, Date/Time: 9/1/2011 1:54:23 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_high_chan_amb_temp_23.3_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.387 mho/m; ε_r = 40.966; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

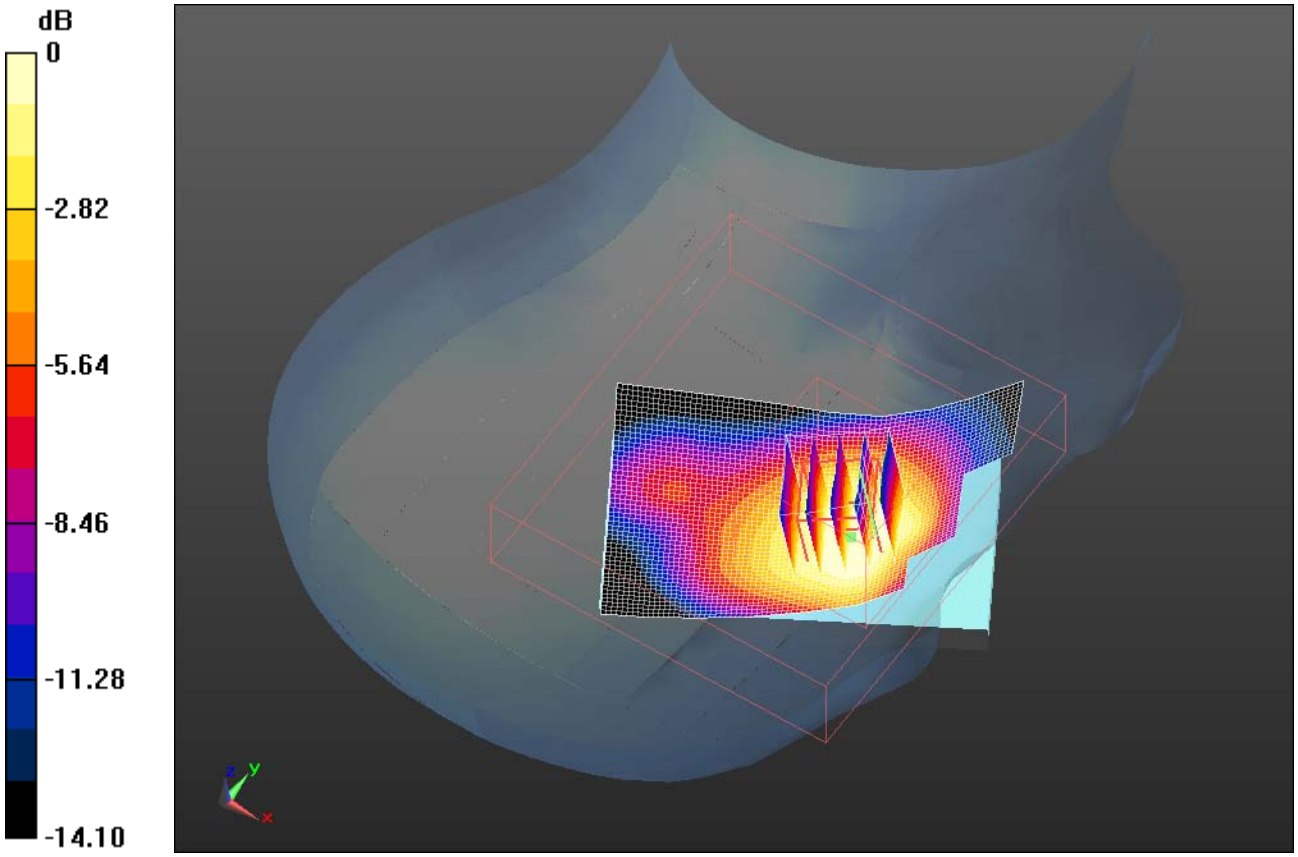
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.204 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.565 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.473 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.655 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.142 mW/g



0 dB = 1.140mW/g

Date/Time: 9/1/2011 2:09:18 PM, Date/Time: 9/1/2011 2:14:24 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_23.3_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.369 mho/m; ε_r = 41.106; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

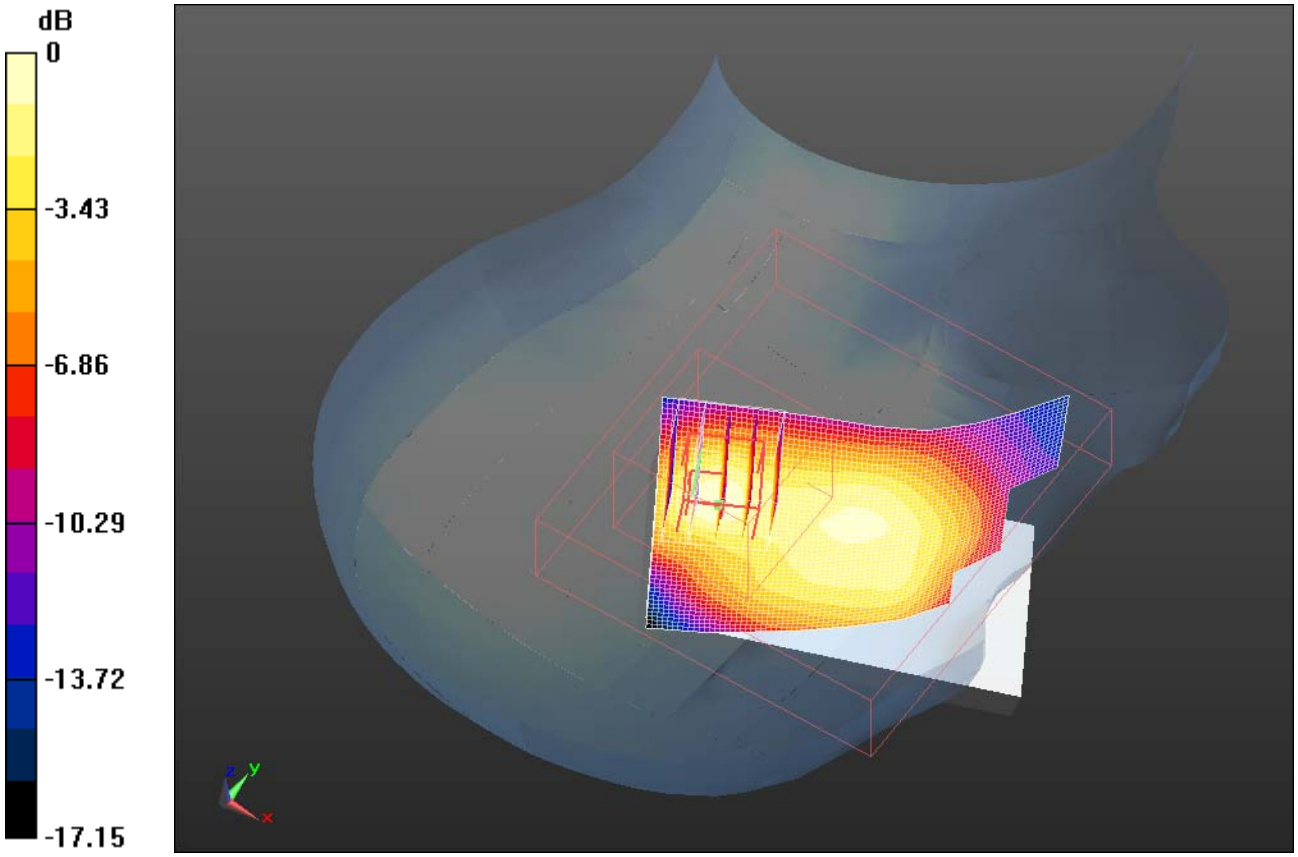
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.526 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.866 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.702 W/kg
SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.250 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.517 mW/g



0 dB = 0.520mW/g

Date/Time: 9/1/2011 3:01:58 PM, Date/Time: 9/1/2011 3:06:59 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_low_chan_amb_temp_23.5_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.35 mho/m; ε_r = 41.103; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

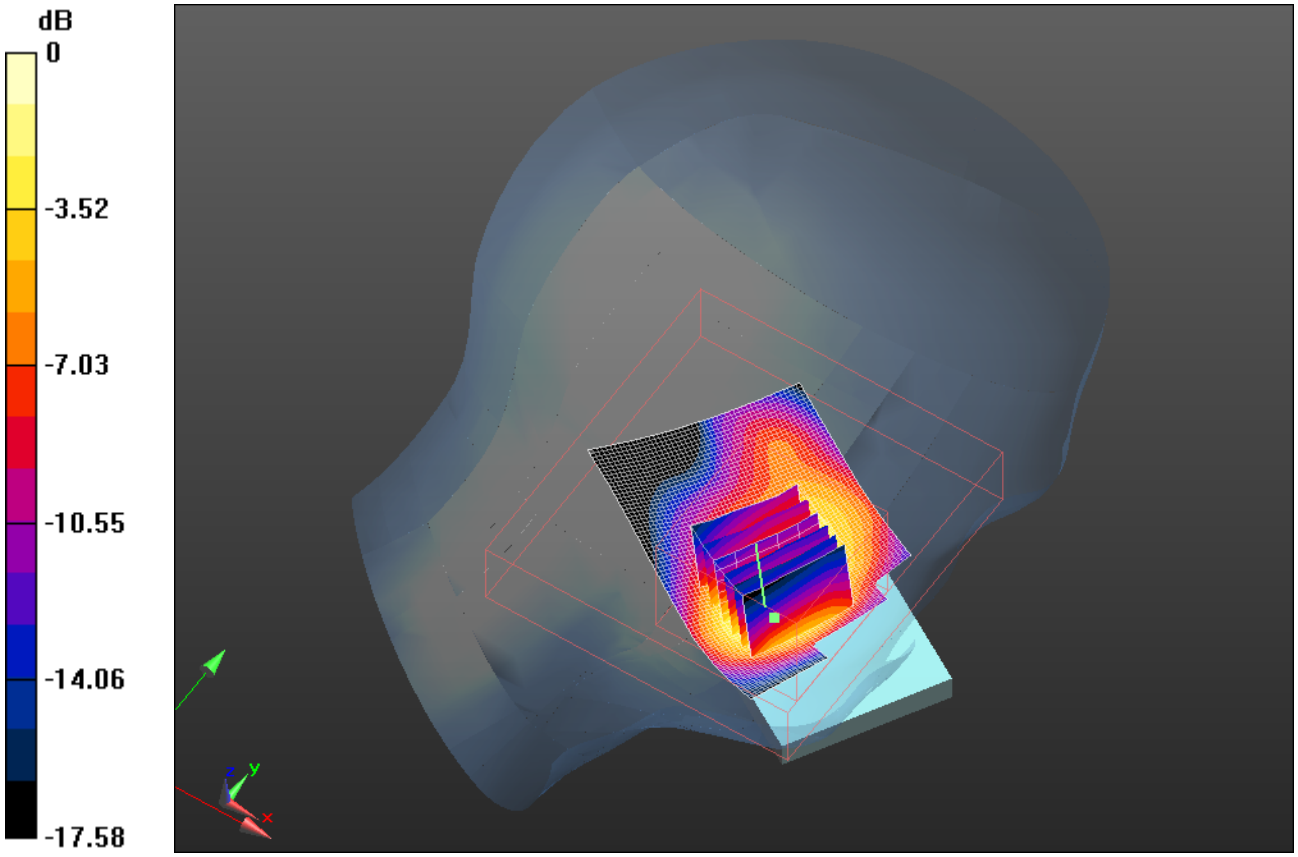
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.578 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.564 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.307 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.792 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.588 mW/g



0 dB = 1.590mW/g

Date/Time: 9/1/2011 2:45:36 PM, Date/Time: 9/1/2011 2:50:37 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_mid_chan_amb_temp_23.5_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.369 mho/m; ε_r = 41.106; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

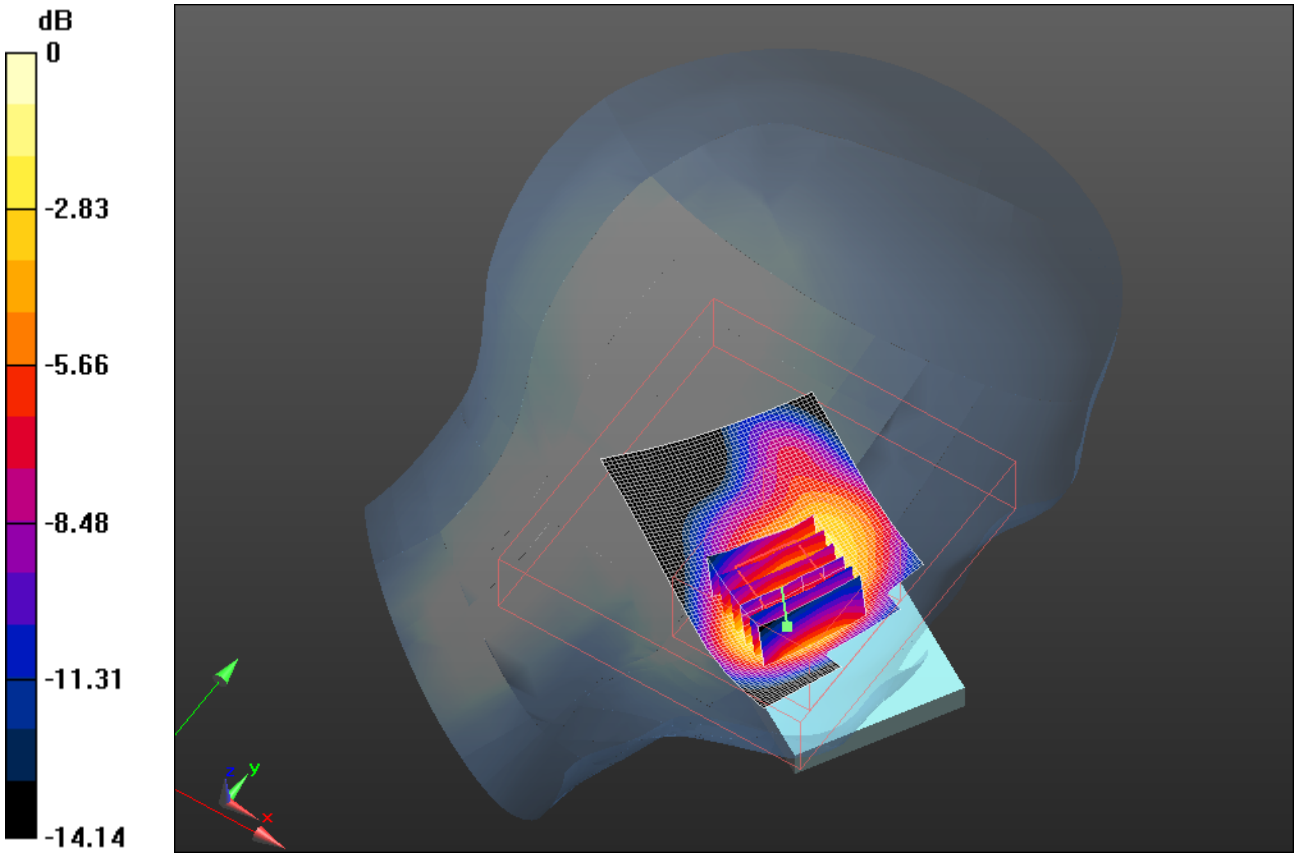
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.691 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.755 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 2.493 W/kg
SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.829 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.727 mW/g



0 dB = 1.730mW/g

Date/Time: 9/9/2011 12:49:23 PM

Test Laboratory: RIM Testing Services

Volume_Scan_LeftHandSide_UMTS_band_IV_high_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.362 mho/m; ε_r = 39.213; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

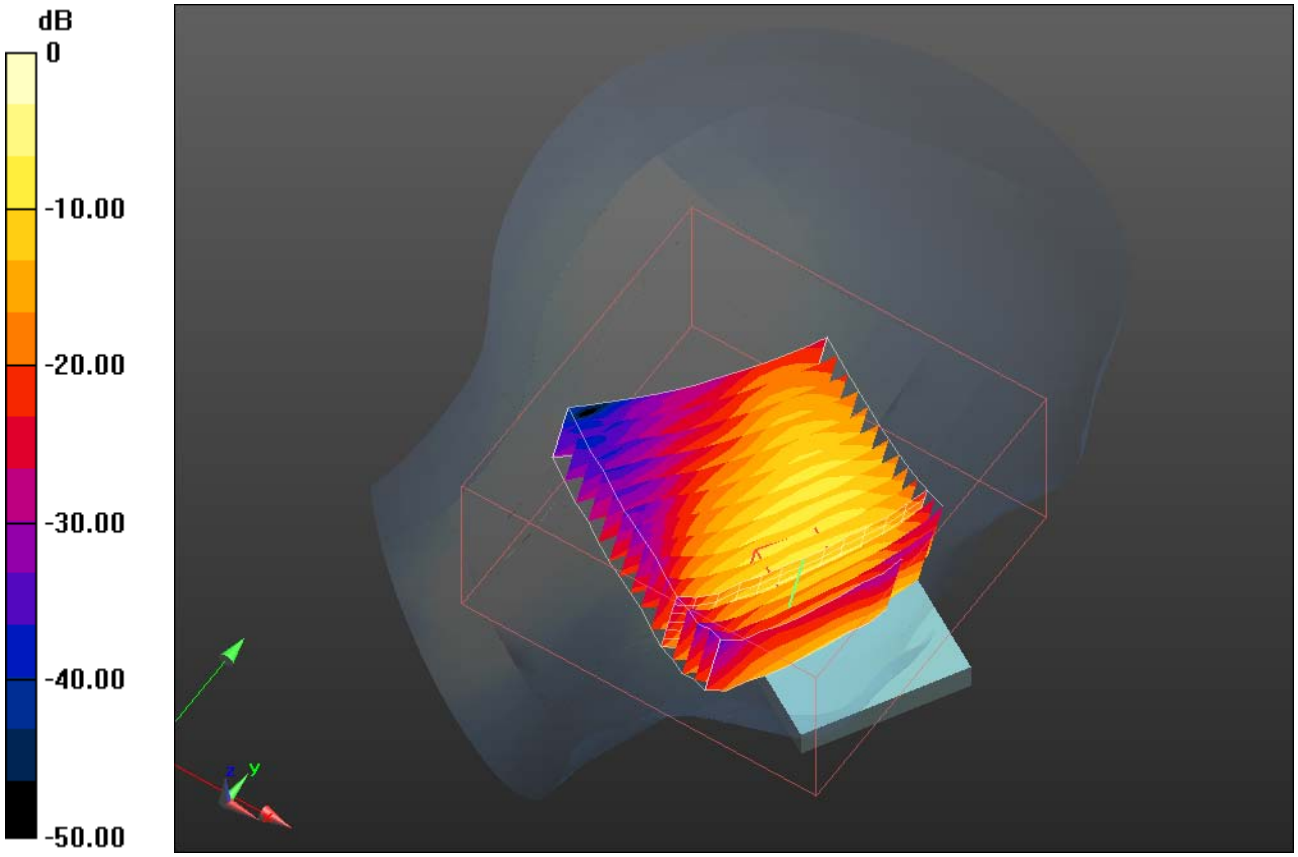
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.921 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.417 W/kg
SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.803 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.702 mW/g



0 dB = 1.700mW/g

Date/Time: 9/1/2011 3:18:00 PM, Date/Time: 9/1/2011 3:23:00 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_high_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.387 mho/m; ε_r = 40.966; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

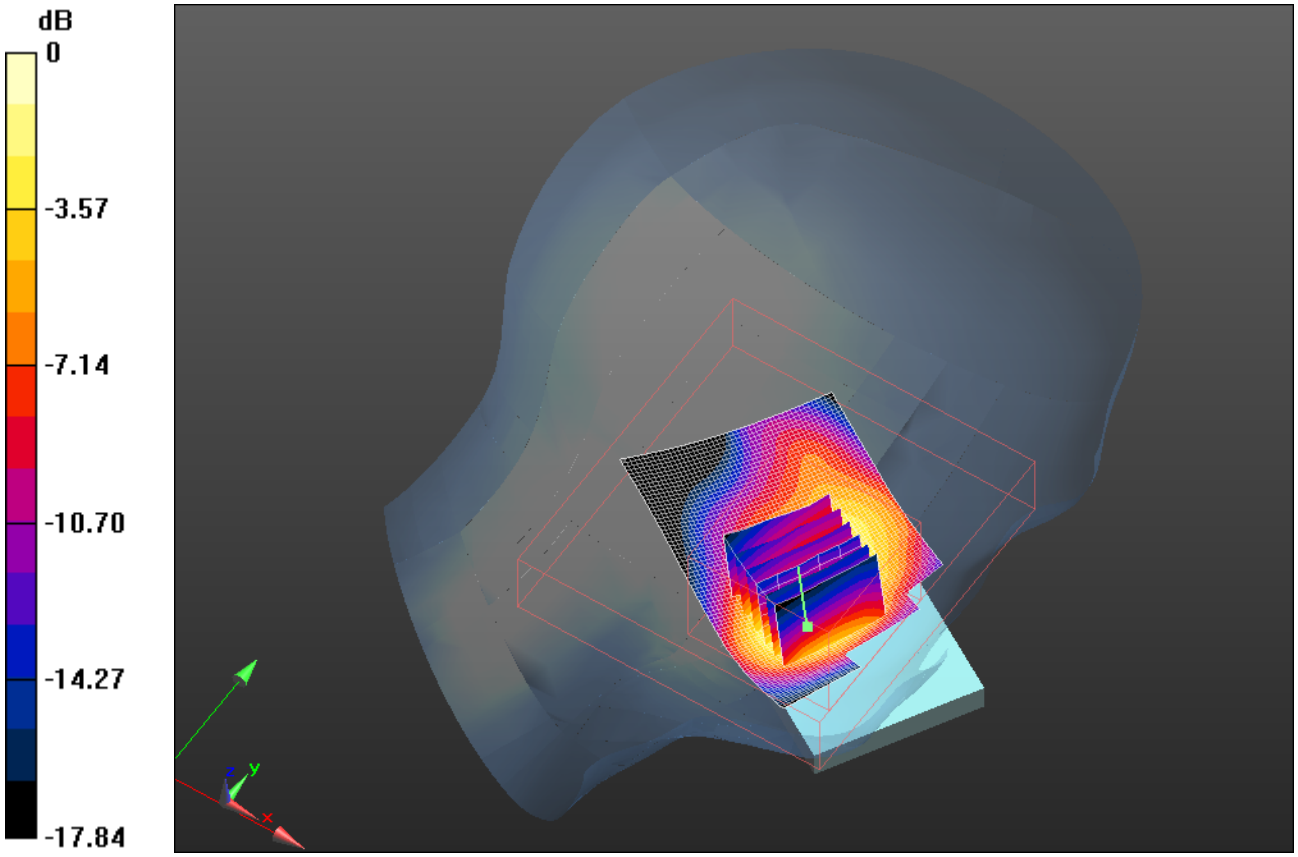
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.755 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.156 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.580 W/kg
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.837 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.769 mW/g



0 dB = 1.770mW/g

Date/Time: 9/1/2011 3:35:49 PM, Date/Time: 9/1/2011 3:40:49 PM, Date/Time: 9/1/2011 3:46:48 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28306B1F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.369 mho/m; ε_r = 41.106; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 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) = 0.663 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.185 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.311 mW/g

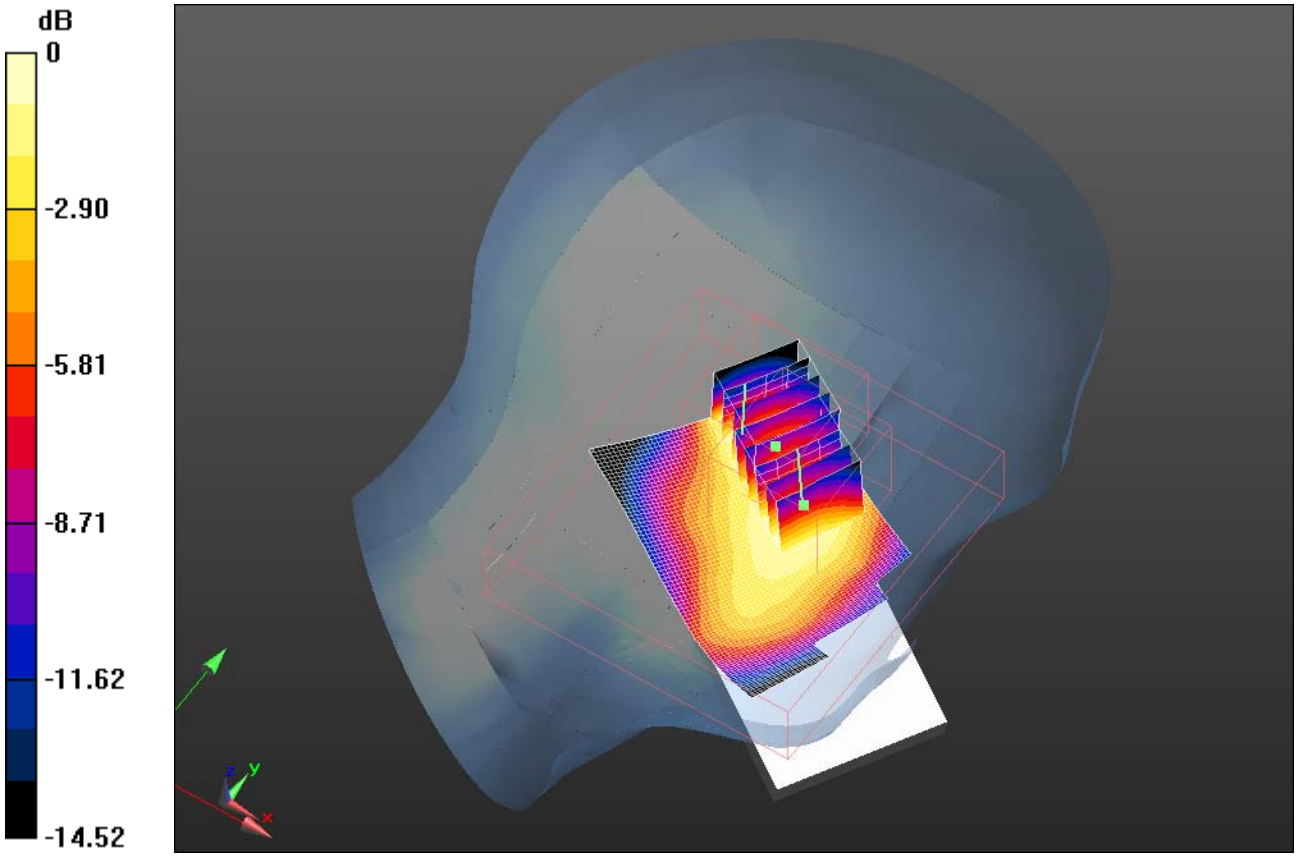
Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.617 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.185 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.299 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.536 mW/g



0 dB = 0.540mW/g

Multi-Band Average SAR_RHT_UMTS_band IV_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/7/2011 8:48:37 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 10:41:29 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Sscan_RightHandSide_Bluetooth_high_chan_amb_temp_24.2_liq_temp_22.4C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: 2450MHz Head Medium parameters used: f = 2480 MHz; σ = 1.914 mho/m; ε_r = 37.887; ρ = 1000 kg/m^3

Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

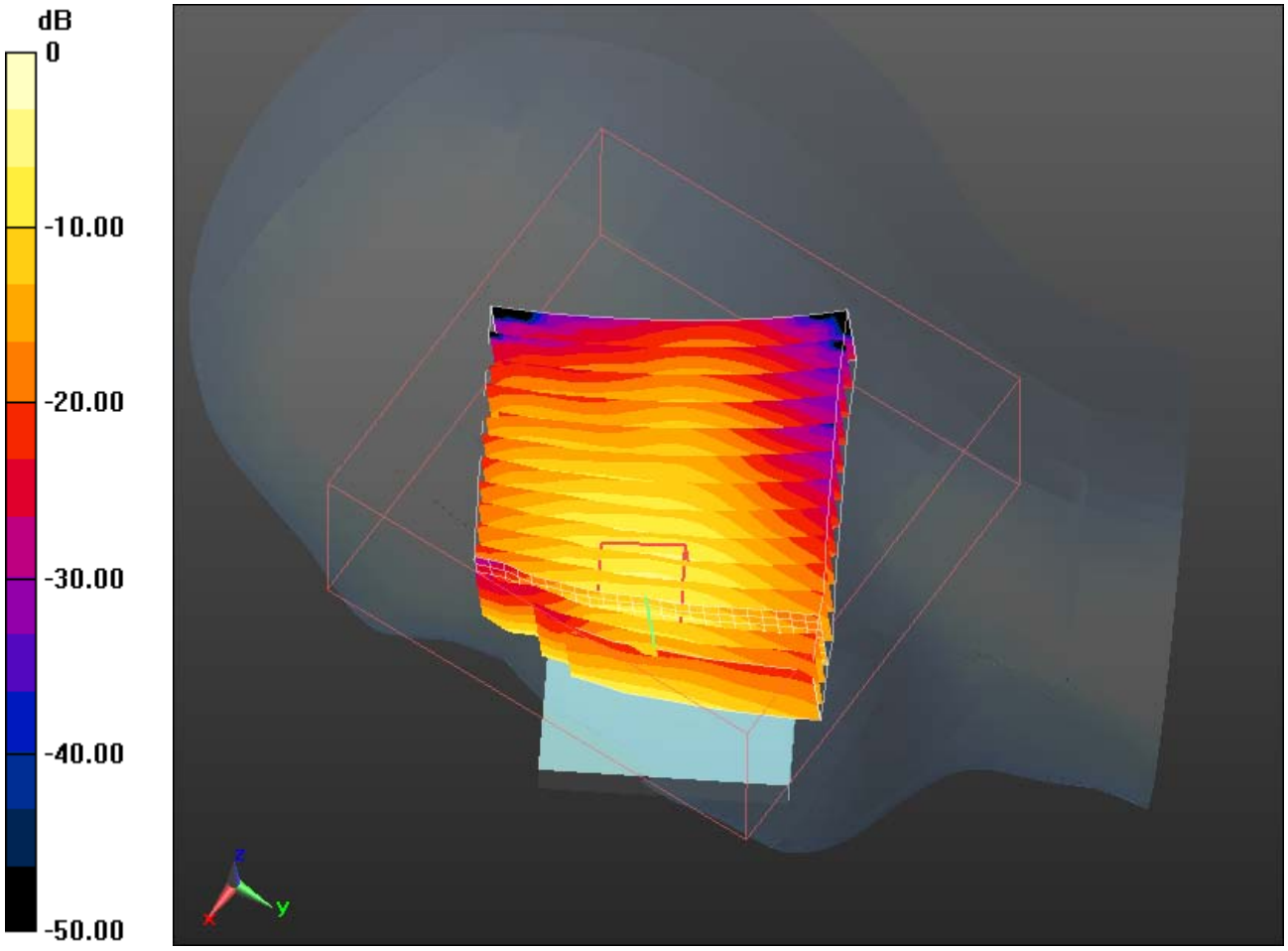
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for Configuration/Touch position - 2/Zoom Scan (5x5x7) 2:

Date/Time: 9/9/2011 2:49:14 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_RightHandSide_UMTS_band_IV_mid_chan_amb_temp_24.5_liq_temp_23.0C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27F38A38
Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium: HSL1800 Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.338 mho/m; ε_r = 39.408; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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)

Multi Band Result:
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.729 mW/g
Maximum value of SAR (interpolated) = 1.590 mW/g



0 dB = 1.590mW/g

Multi-Band Average SAR_LHT_UMTS_band_IV_802.11b_BT

Multi-Band Configurations:

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

Date/Time: 9/9/2011 12:49:23 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_UMTS_band_IV_high_chan_amb_temp_23.4_liq_temp_22.6C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27F38A38
Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium: HSL1800 Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.362 mho/m; ε_r = 39.213; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- 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 5:20:10 PM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_802.11b_high_chan_amb_temp_23.8_liq_temp_23.2C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 28302141
Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.894 mho/m; ε_r = 37.988; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

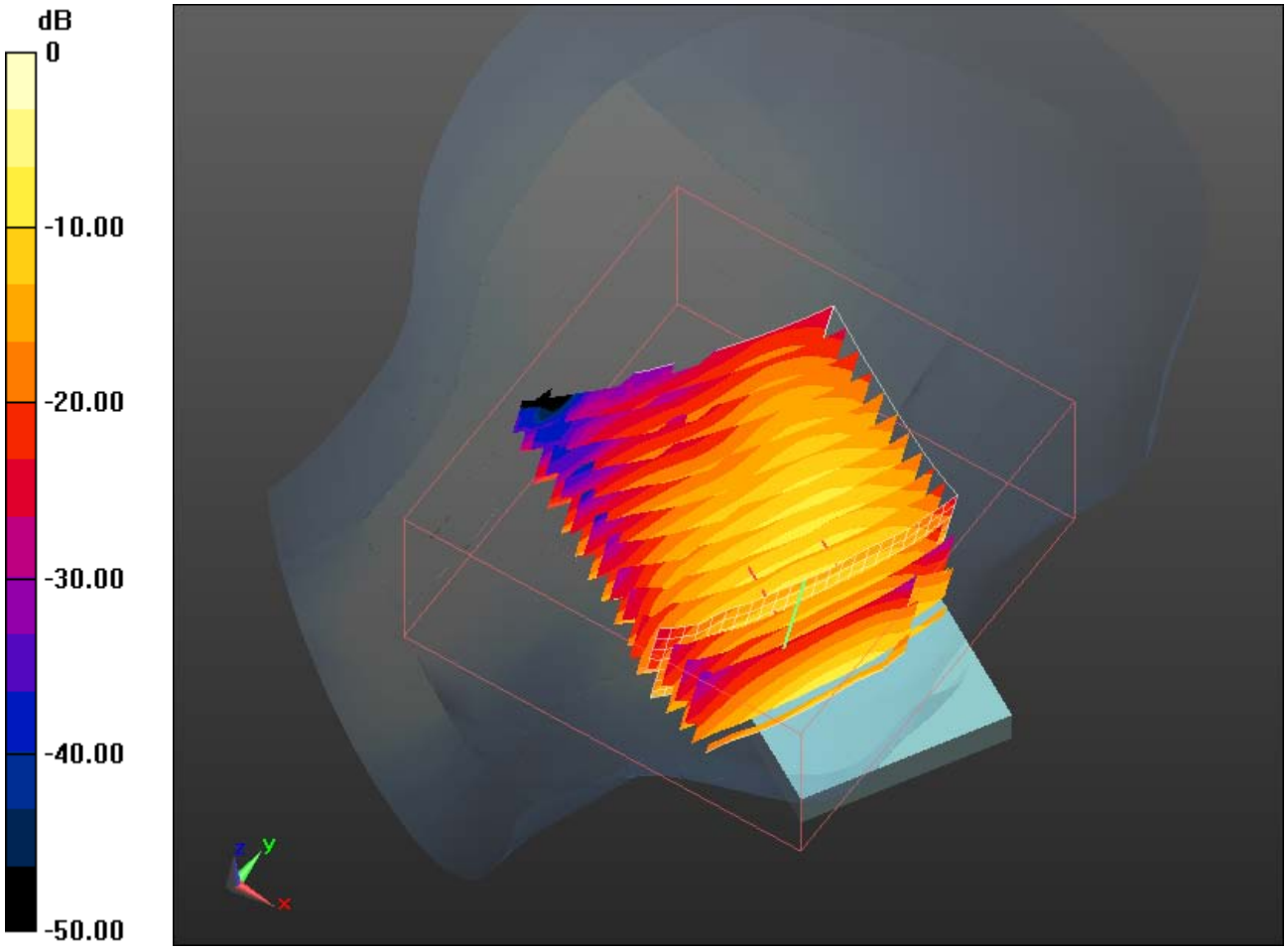
- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2)

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

Date/Time: 9/8/2011 11:40:12 AM
Test Laboratory: RIM Testing Services
File Name:
Volume_Scan_LeftHandSide_Bluetooth_high_chan_amb_temp_24.8_liq_temp_22.5C.da52:0
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27EB7923
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/ANSI C63.19-2007)

- 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) = 1.47 mW/g; SAR(10 g) = 0.863 mW/g
Maximum value of SAR (interpolated) = 2.487 mW/g



0 dB = 2.490mW/g

Z axis plot for the worst case head configuration: