APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

LTE 17

Date/Time: 12/14/2012 4:48:34 PM

Test Laboratory: RIM Testing Services

Head_SAR_LTE_17_Right_Head_Touch

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

Communication System: LTE_Band 17; Frequency: 710 MHz
Medium parameters used: f = 710 MHz; σ = 0.888 mho/m; ε_r = 42.756; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

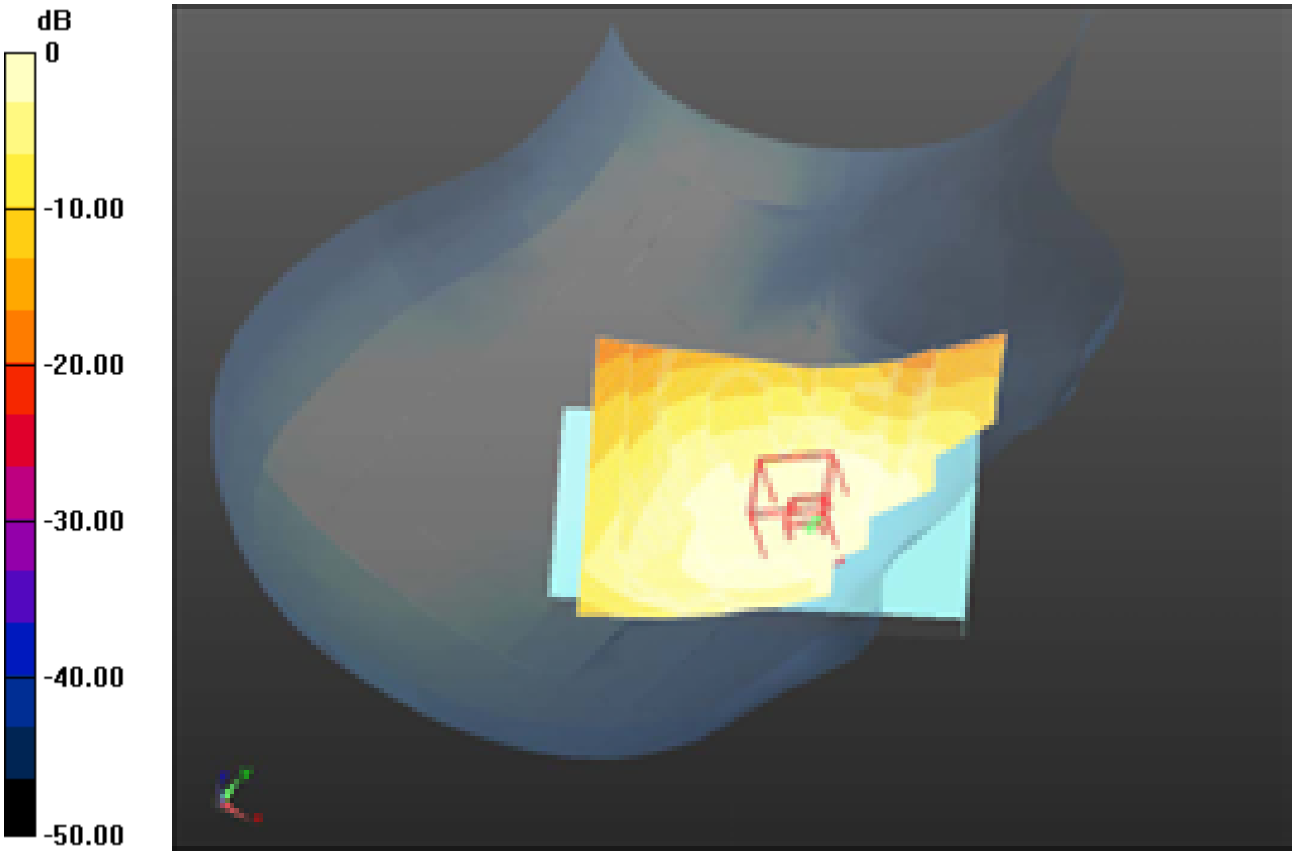
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Right_Head_Touch_LTE_17_Mid_Chan_QPSK_RB1_Offset49_10MHz_BW_Amb_Tem_24.1C_Liq_Tem_22.4C/Area Scan (61x81x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 7.872 V/m; Power Drift = 0.13 dB
Fast SAR: SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (interpolated) = 0.505 mW/g

Configuration/Right_Head_Touch_LTE_17_Mid_Chan_QPSK_RB25_Offset25_10MHz_BW_Amb_Tem_24.0C_Liq_Tem_22.3C 2/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 6.593 V/m; Power Drift = 0.11 dB
Fast SAR: SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.233 mW/g
Maximum value of SAR (interpolated) = 0.377 mW/g



0 dB = 0.380mW/g = -8.40 dB mW/g

Date/Time: 12/14/2012 5:05:45 PM

Test Laboratory: RIM Testing Services

Head_SAR_LTE_17_Right_Head_Tilt

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

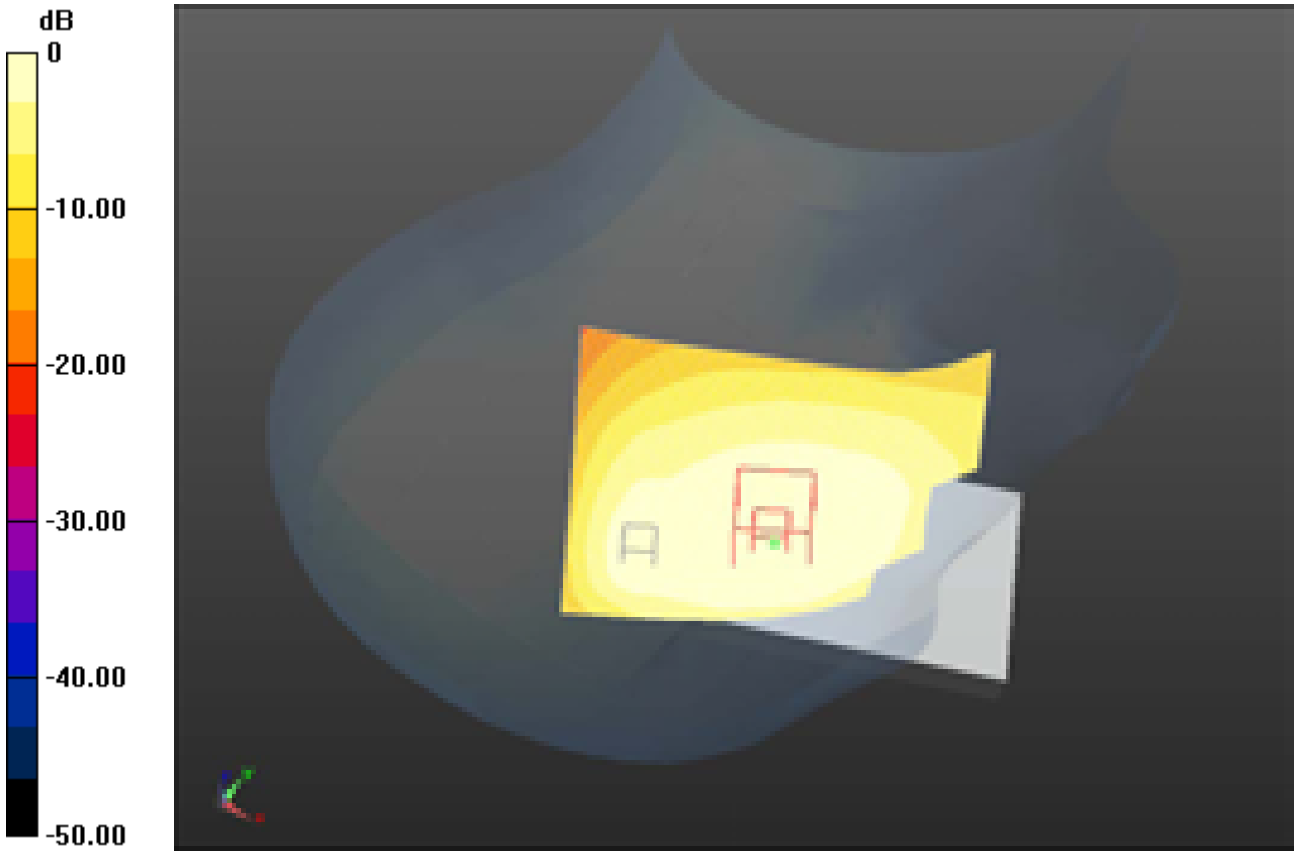
Communication System: LTE_Band 17; Frequency: 710 MHz
Medium parameters used: f = 710 MHz; σ = 0.888 mho/m; ε_r = 42.756; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Right_Head_Tilt_LTE_17_Mid_Chan_QPSK_RB1_Offset49_10MHz_BW_Amb_Tem_24.0C_Liq_Tem_22.3C/Area Scan (61x81x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.200 V/m; Power Drift = 0.11 dB
Fast SAR: SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.189 mW/g
Maximum value of SAR (interpolated) = 0.294 mW/g



0 dB = 0.290mW/g = -10.75 dB mW/g

Date/Time: 12/17/2012 12:51:15 PM

Test Laboratory: RIM Testing Services

Left_Head_SAR_LTE_17_Touch

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

Communication System: LTE ; Frequency: 710 MHz
Medium parameters used: f = 710 MHz; σ = 0.878 mho/m; ε_r = 42.669; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Left_Head_Touch_Mid_Chan_QPSK_RB1_Offset49_10M Hz_BW_Amb_Tem_23.3C_Liq_Tem_22.1C/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.348 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.393 mW/g
Maximum value of SAR (interpolated) = 0.644 mW/g

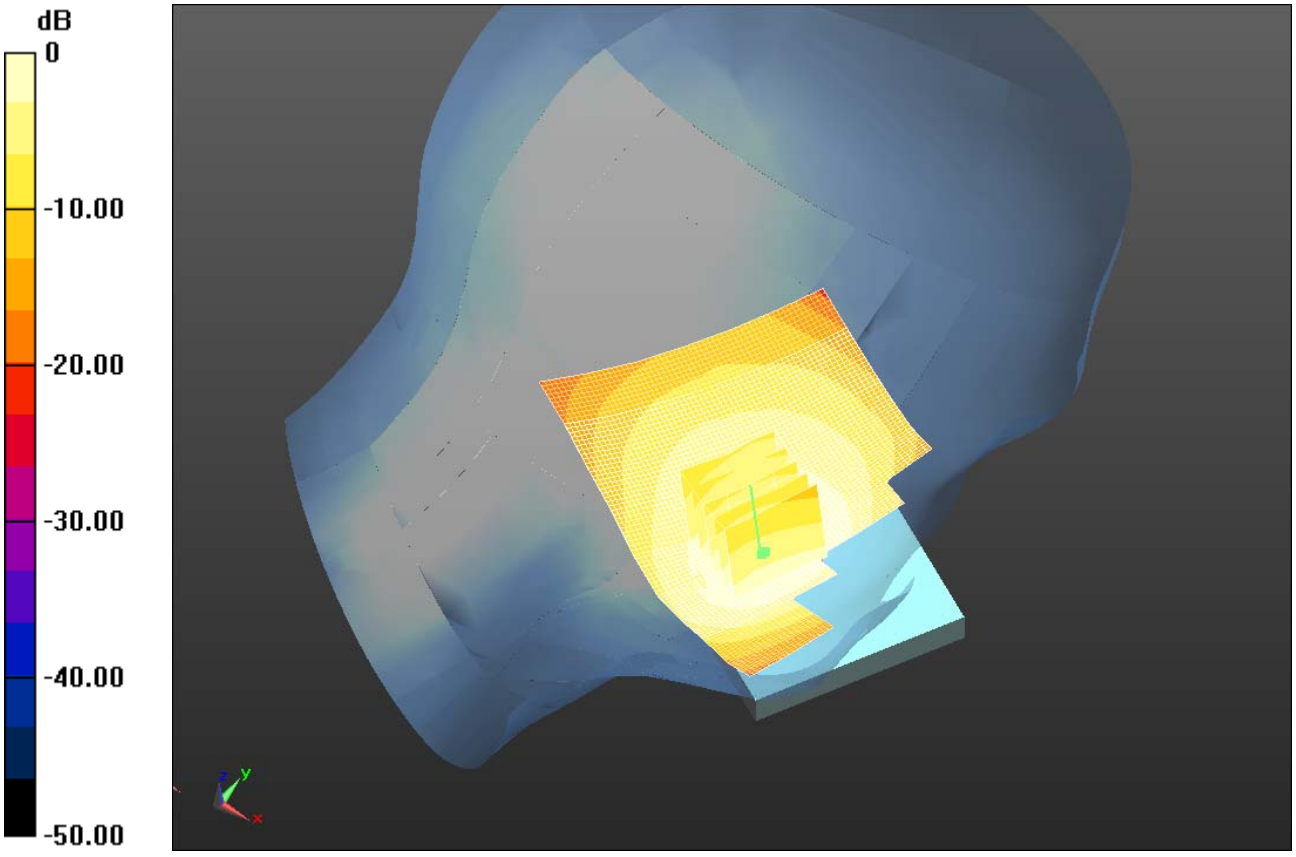
Configuration/Left_Head_Touch_Mid_Chan_QPSK_RB1_Offset49_10M Hz_BW_Amb_Tem_23.3C_Liq_Tem_22.1C/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.348 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.7320
SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.424 mW/g
Maximum value of SAR (measured) = 0.645 mW/g

Configuration/Left_Head_Touch_Mid_Chan_QPSK_RB25_Offset25_10M Hz_BW_Amb_Tem_23.2C_Liq_Tem_22.0C/Area Scan (61x61x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 7.638 V/m; Power Drift = 0.17 dB
Fast SAR: SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (interpolated) = 0.523 mW/g

Configuration/Left_Head_Touch_Mid_Chan_QPSK_RB1_Offset49_10MHz_BW_Amb_Tem_23.0C_Liq_Tem_21.9C_2100mA_Batt./Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.477 V/m; Power Drift = 0.0018 dB
Fast SAR: SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.391 mW/g
Maximum value of SAR (interpolated) = 0.639 mW/g



0 dB = 0.640mW/g = -3.88 dB mW/g

Date/Time: 12/17/2012 1:41:48 PM

Test Laboratory: RIM Testing Services

Left_Head_SAR_LTE_17_Tilt

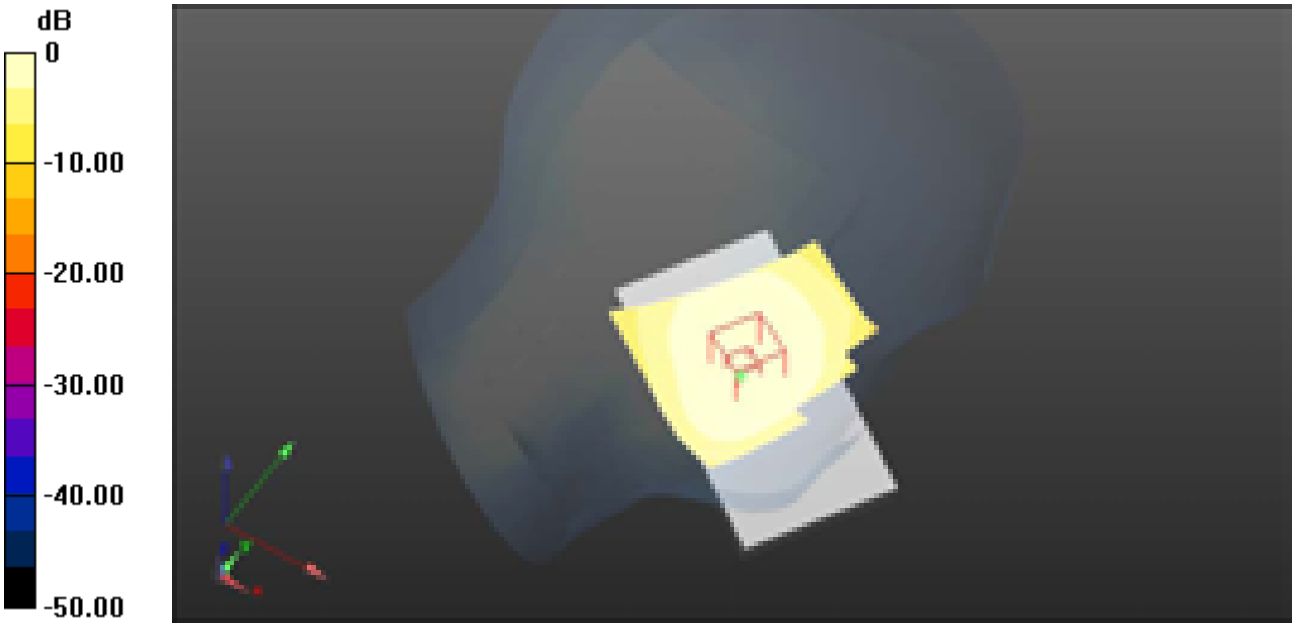
DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0AD9

Communication System: LTE ; Frequency: 710 MHz
Medium parameters used: f = 710 MHz; σ = 0.878 mho/m; ε_r = 42.669; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Left_Head_Tilt_Mid_Chan_QPSK_RB1_Offset49_10MHz_BW_Amb_Tem_23.0C_Liq_Tem_21.9C/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 14.014 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (interpolated) = 0.298 mW/g



0 dB = 0.300mW/g = -10.46 dB mW/g

LTE 5

Date/Time: 12/10/2012 9:02:52 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_5_mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.3

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

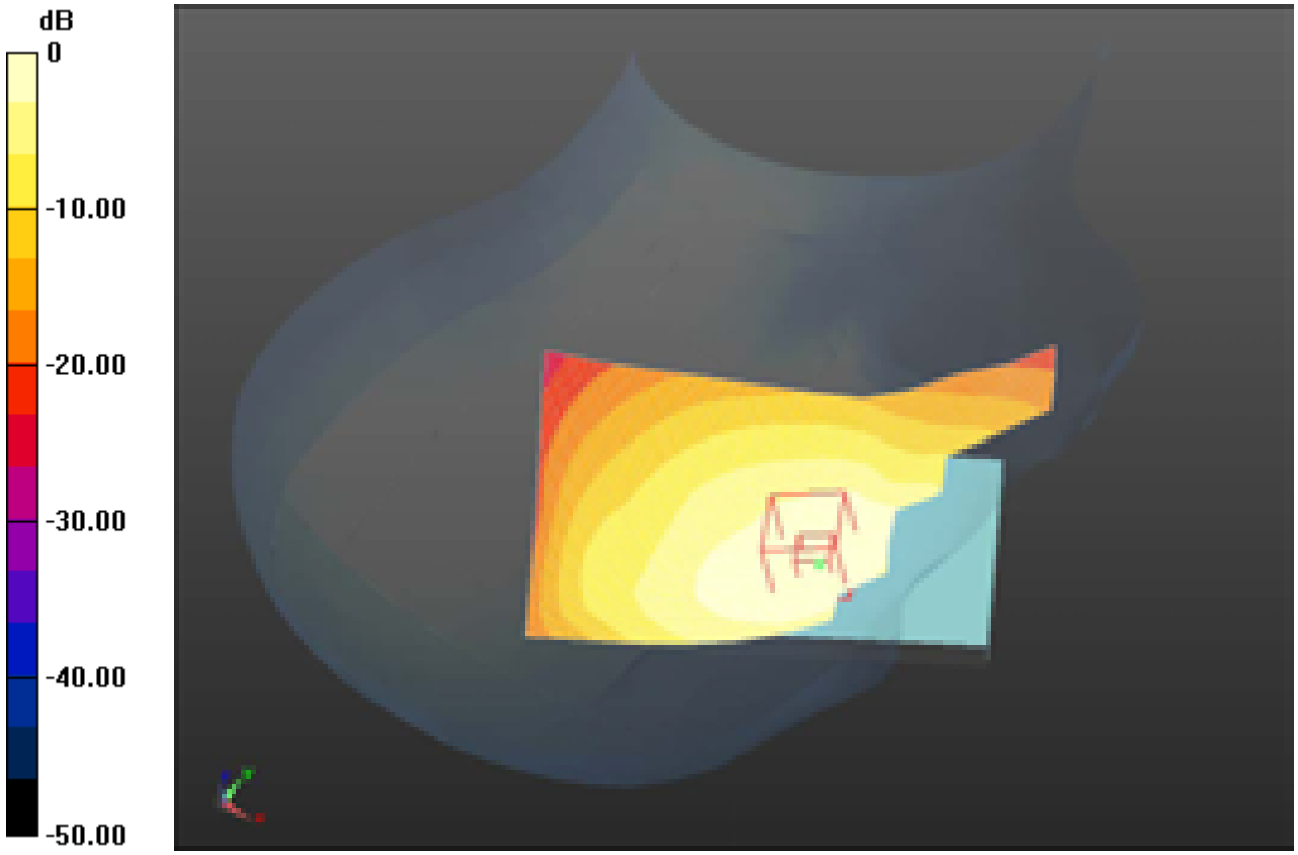
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Righttouch_LTE_Band_5_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.3/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.683 V/m; Power Drift = -0.18 dB
Fast SAR: SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.371 mW/g

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



0 dB = 0.610mW/g = -4.29 dB mW/g

Date/Time: 12/10/2012 9:19:12 PM

Test Laboratory: RIM Testing Services

Righthandside_LTE_5_mid_QPSK_RB_25_Offset_0_Amb_23.2_Liq_21.1

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

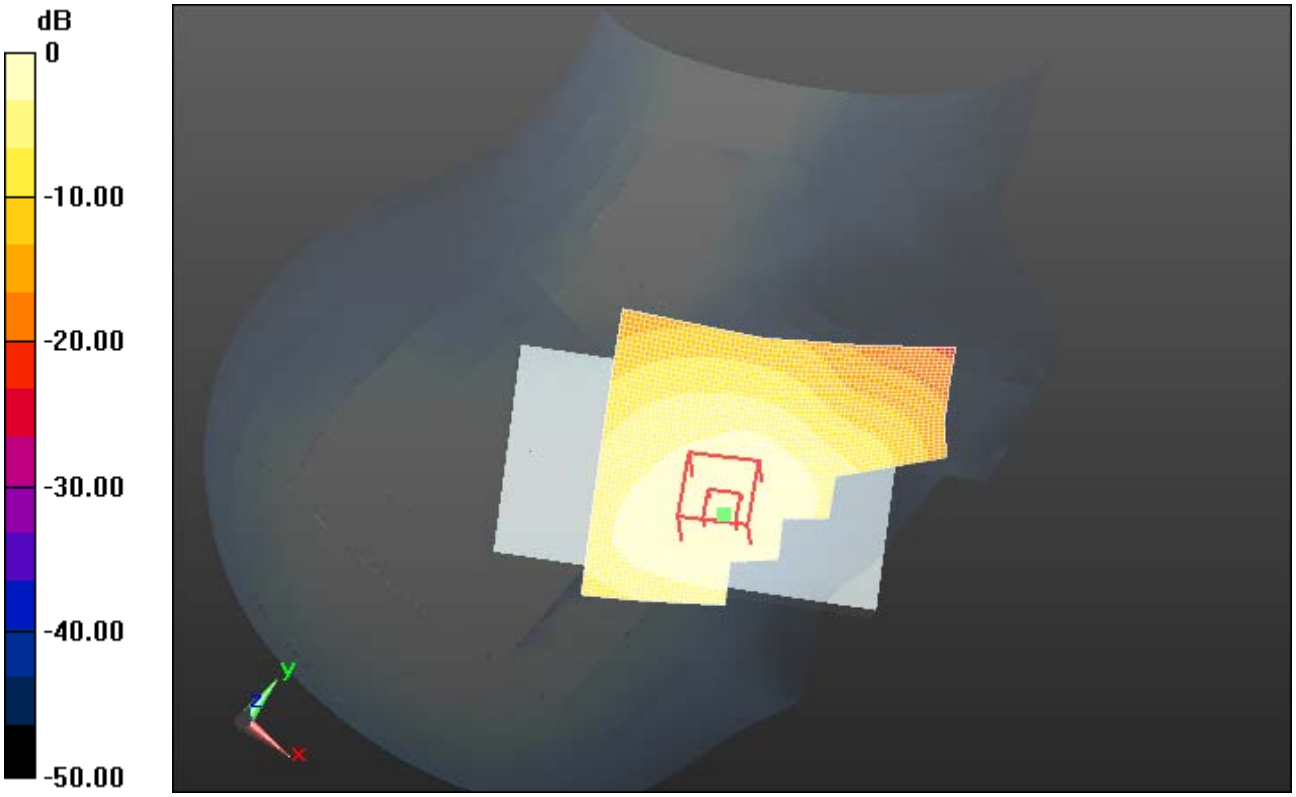
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Righttouch_LTE_Band_5_mid_QPSK_RB_25_Offset_0_Amb_23.2_Liq_21.1/Area Scan (61x71x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 7.341 V/m; Power Drift = 0.43 dB
Fast SAR: SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.280 mW/g

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



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

Date/Time: 12/10/2012 9:32:43 PM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_5_mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.1

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

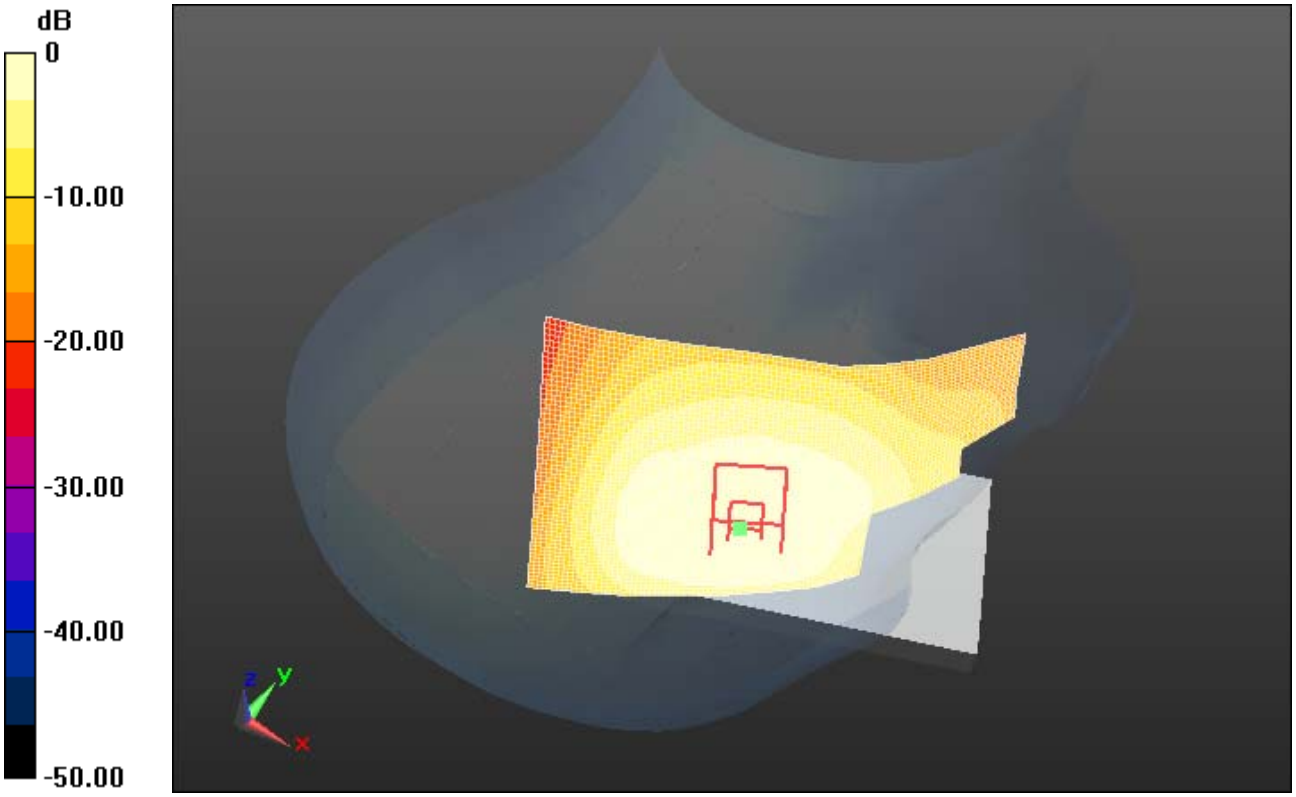
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Righttouch_Tilt_LTE_5_mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.1 /Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 15.658 V/m; Power Drift = -0.08 dB
Fast SAR: SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.231 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.371 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

Date/Time: 12/10/2012 8:16:51 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_5_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.2

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

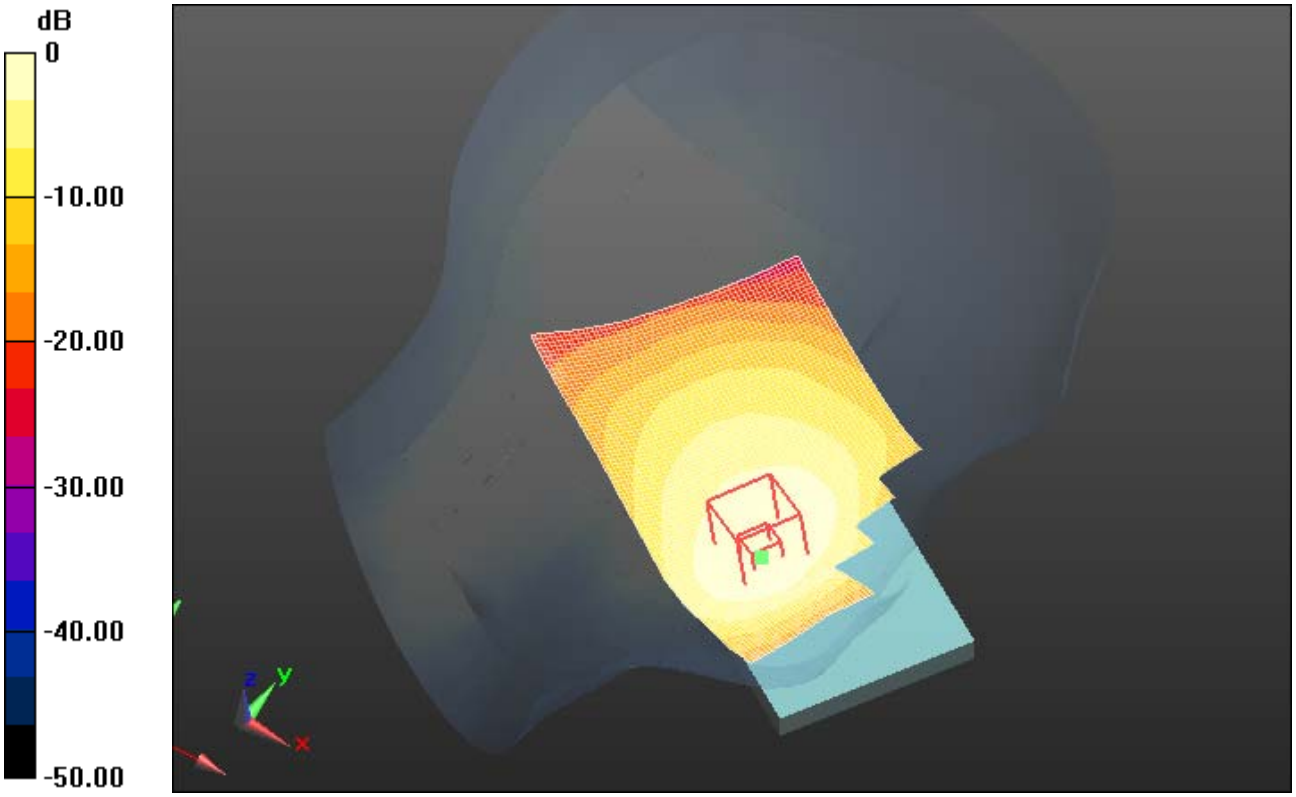
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Lefttouch_LTE_5_Mid_QPSK_RB_1_Offset_0/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.155 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.499 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.843 mW/g



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

Date/Time: 12/10/2012 10:19:07 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_5_Mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.2

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

Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

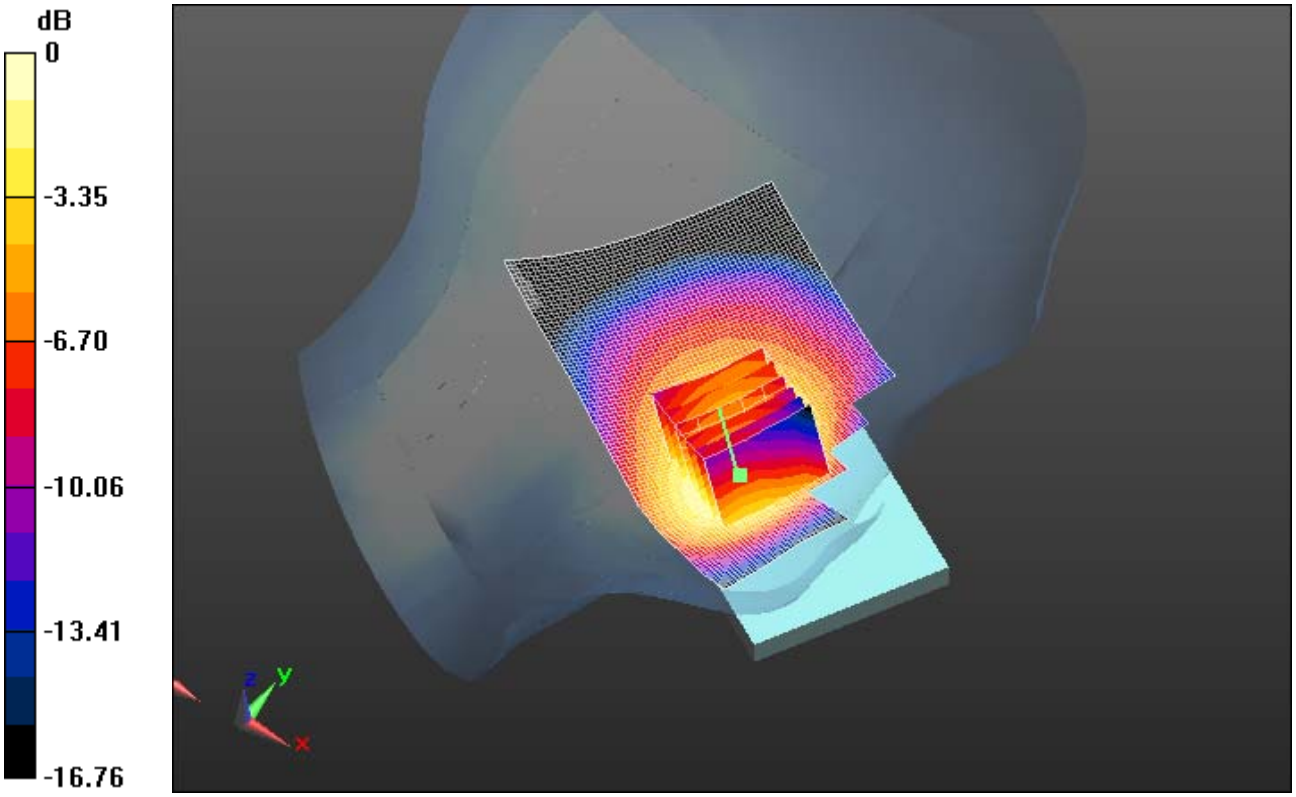
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Lefttouch_LTE_5_Mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.2/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.825 mW/g

Configuration/Lefttouch_LTE_5_Mid_QPSK_RB_1_Offset_0_Amb_23.4_Liq_21.2/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.066 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.9770
SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.542 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.831 mW/g



0 dB = 0.830mW/g = -1.62 dB mW/g

Date/Time: 12/10/2012 8:27:05 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_5_mid_chan_QPSK_RB_25_Offset_0_amb_temp_23.2_liq_temp_21.1da52

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

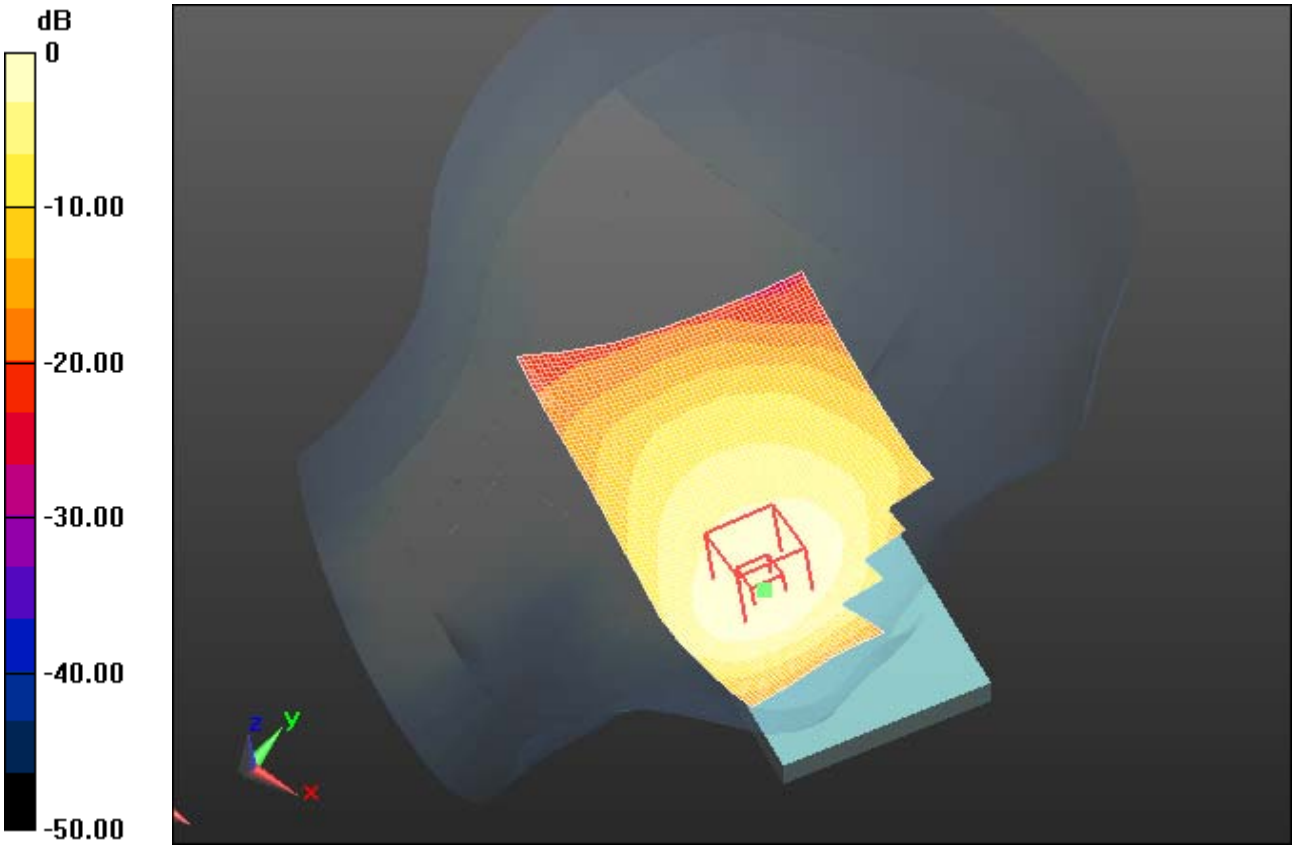
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Lefttouch_LTE_5_Mid_QPSK_RB_25_Offset_0/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.799 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.380 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.643 mW/g



0 dB = 0.640mW/g = -3.88 dB mW/g

Date/Time: 12/10/2012 8:43:35 PM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_5_mid_chan_QPSK_RB_1_Offset_0_Ambient_23.6C_Liquid_21.2C

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

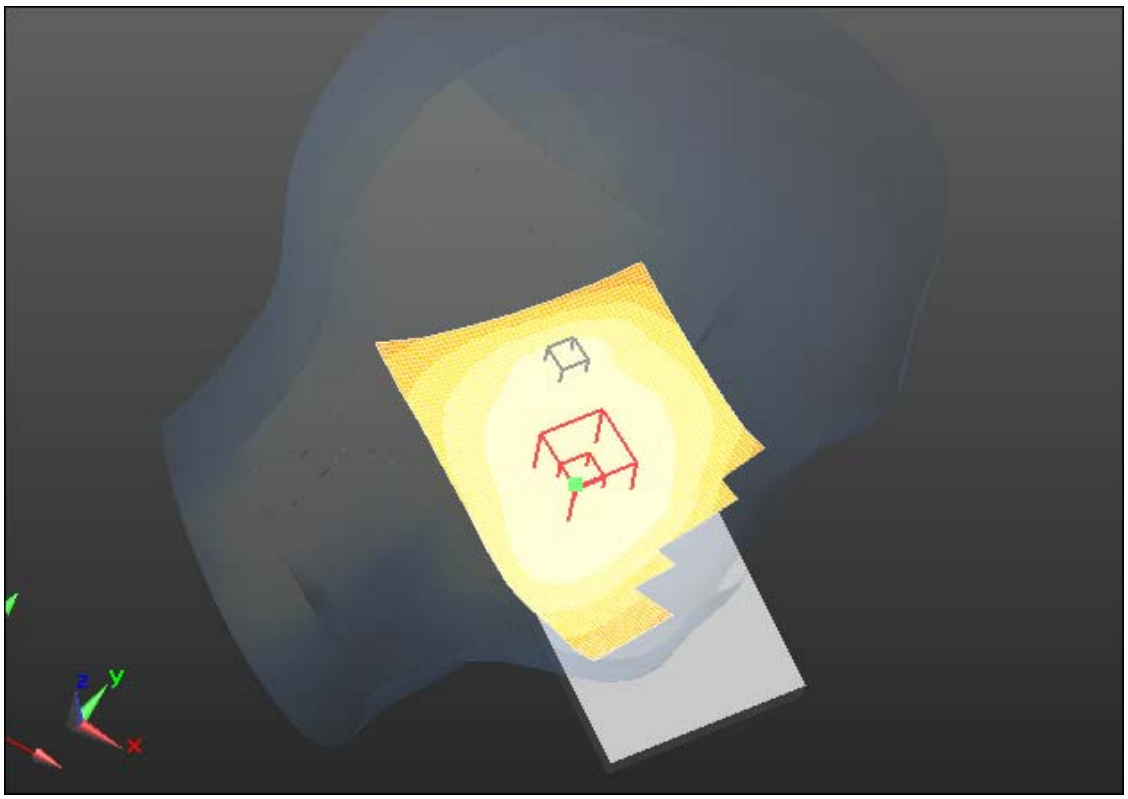
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 16.224 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.233 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.370 mW/g



0 dB = 0.370mW/g = -8.64 dB mW/g

Date/Time: 12/10/2012 10:46:04 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_5_Mid_QPSK_RB_1_Offset_0_Amb_23.6_Liq_21.4_2100

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

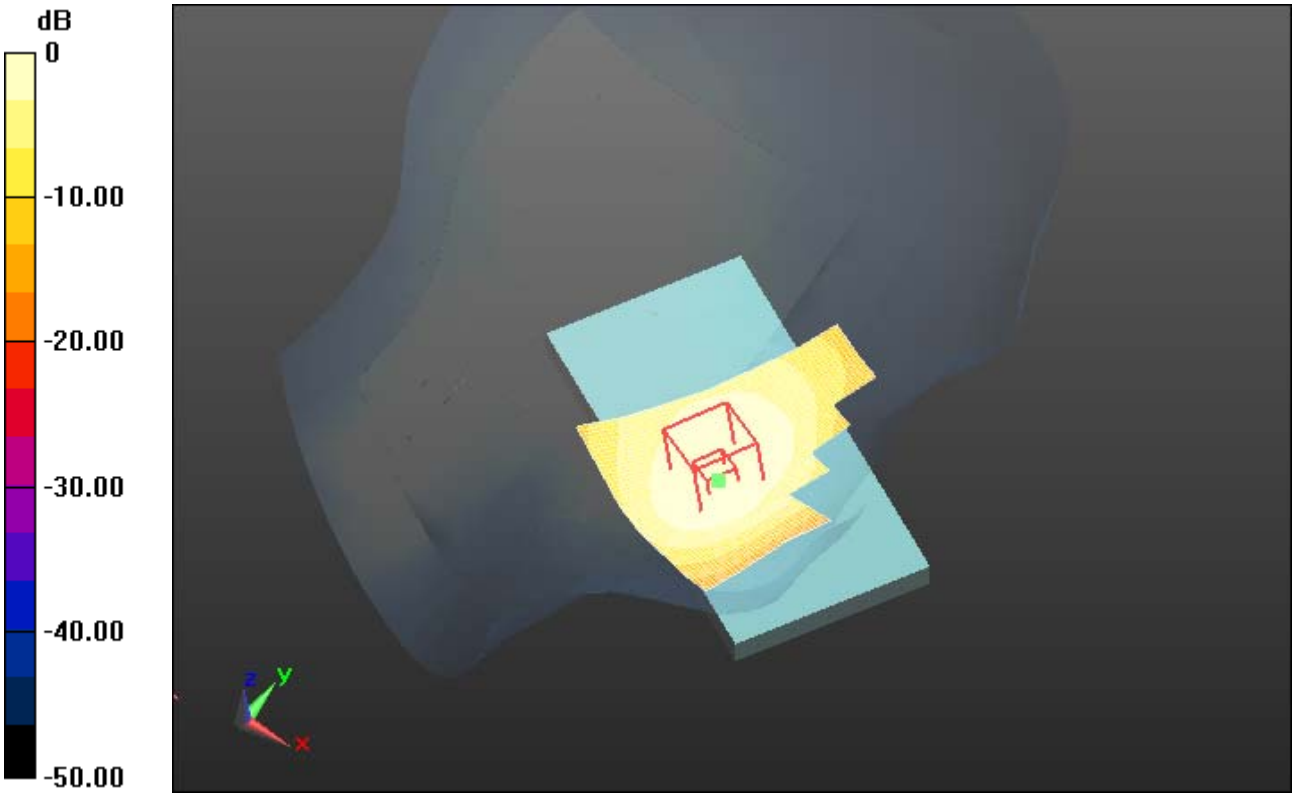
Communication System: LTE 835_Band 5; Frequency: 836.5 MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.889 mho/m; ε_r = 40.116; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Lefttouch_LTE_5_Mid_QPSK_RB_1_Offset_0_Amb_23.6_Liq_21.4_2100/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.164 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.501 mW/g

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



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

EDGE 850

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

Test Laboratory: RIM Testing Services

RightHandSide_DTM/EDGE850_mid_chan_amb_temp_23.5C_liq_temp_22.1C

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

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

DASY Configuration:

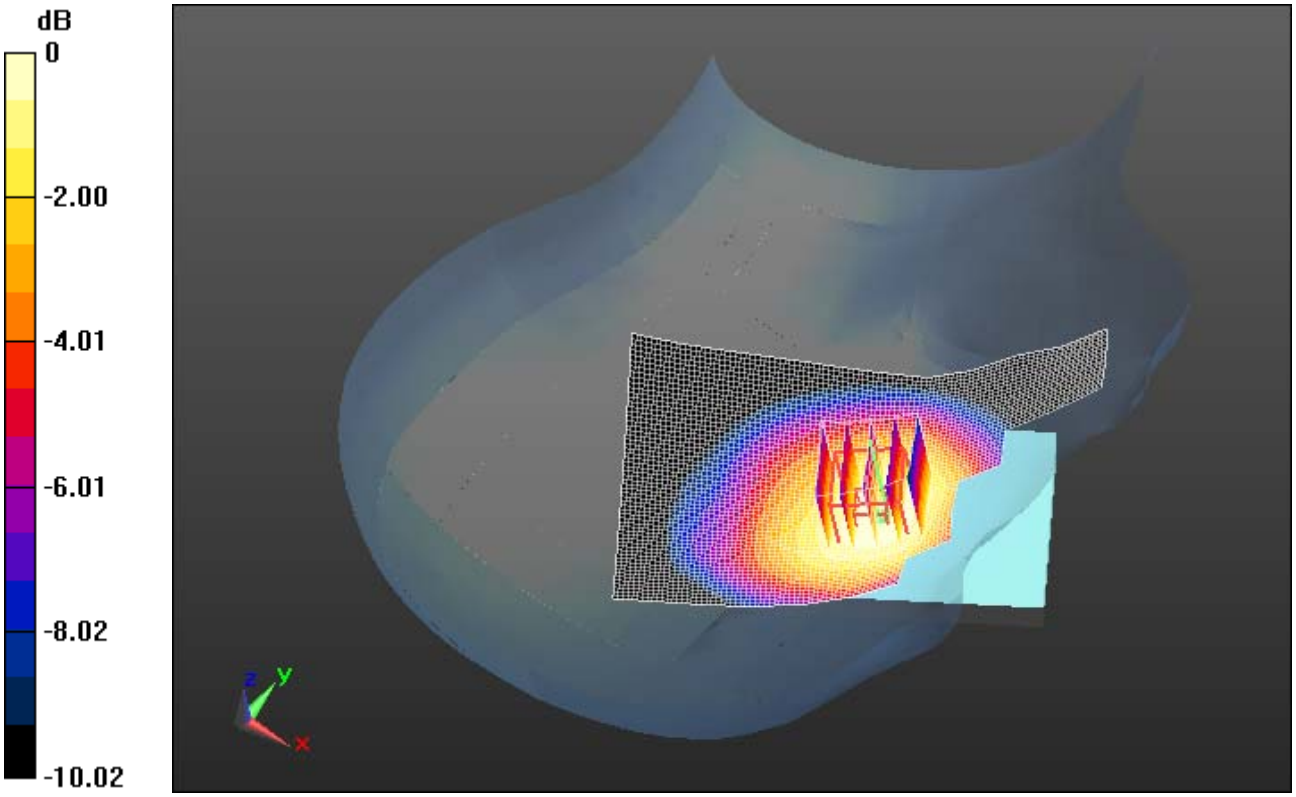
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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



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

Date/Time: 12/10/2012 2:10:41 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_DTM/EDGE850_mid_chan_amb_temp_23.3C_liq_temp_22.1C

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

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

DASY Configuration:

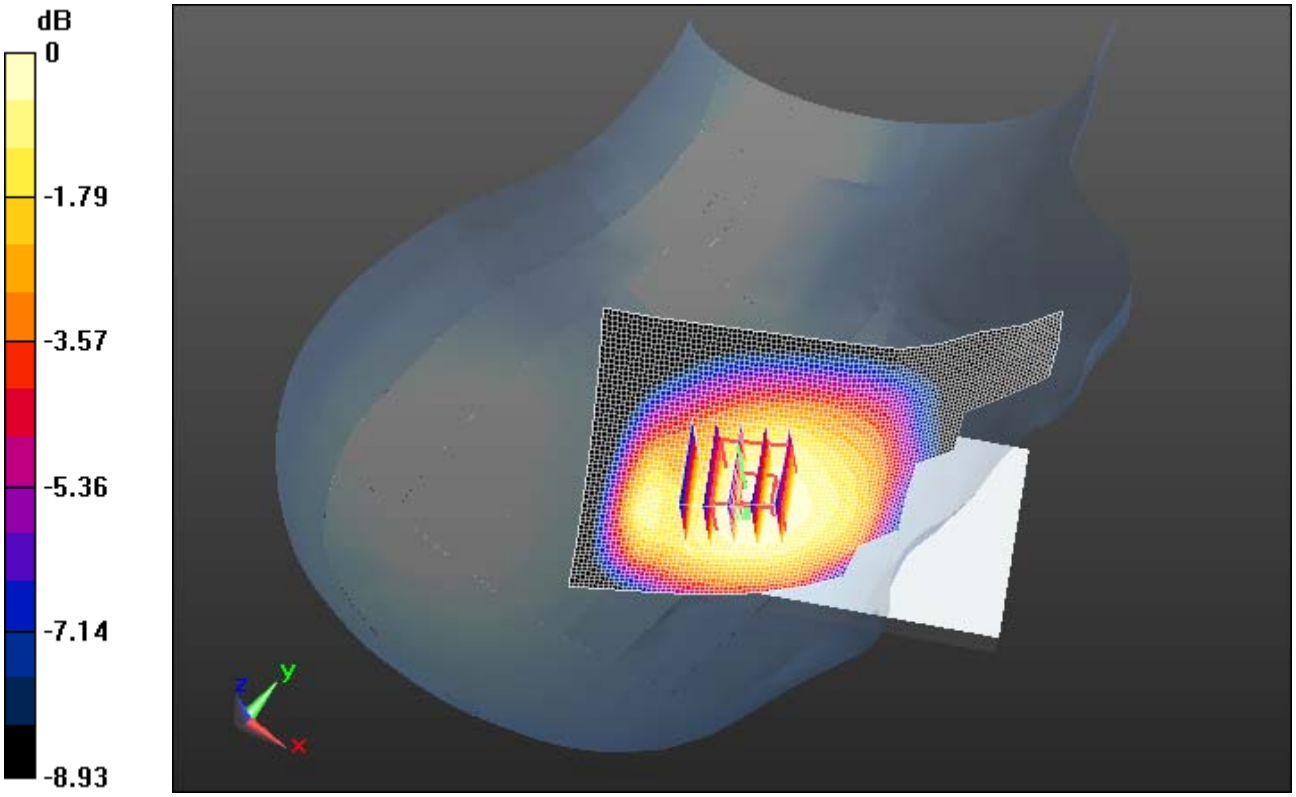
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.391 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.636 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.4620
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.285 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.402 mW/g



0 dB = 0.400mW/g = -7.96 dB mW/g

Date/Time: 12/10/2012 2:26:48 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_23.5C_liq_temp_22.1C

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

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

DASY Configuration:

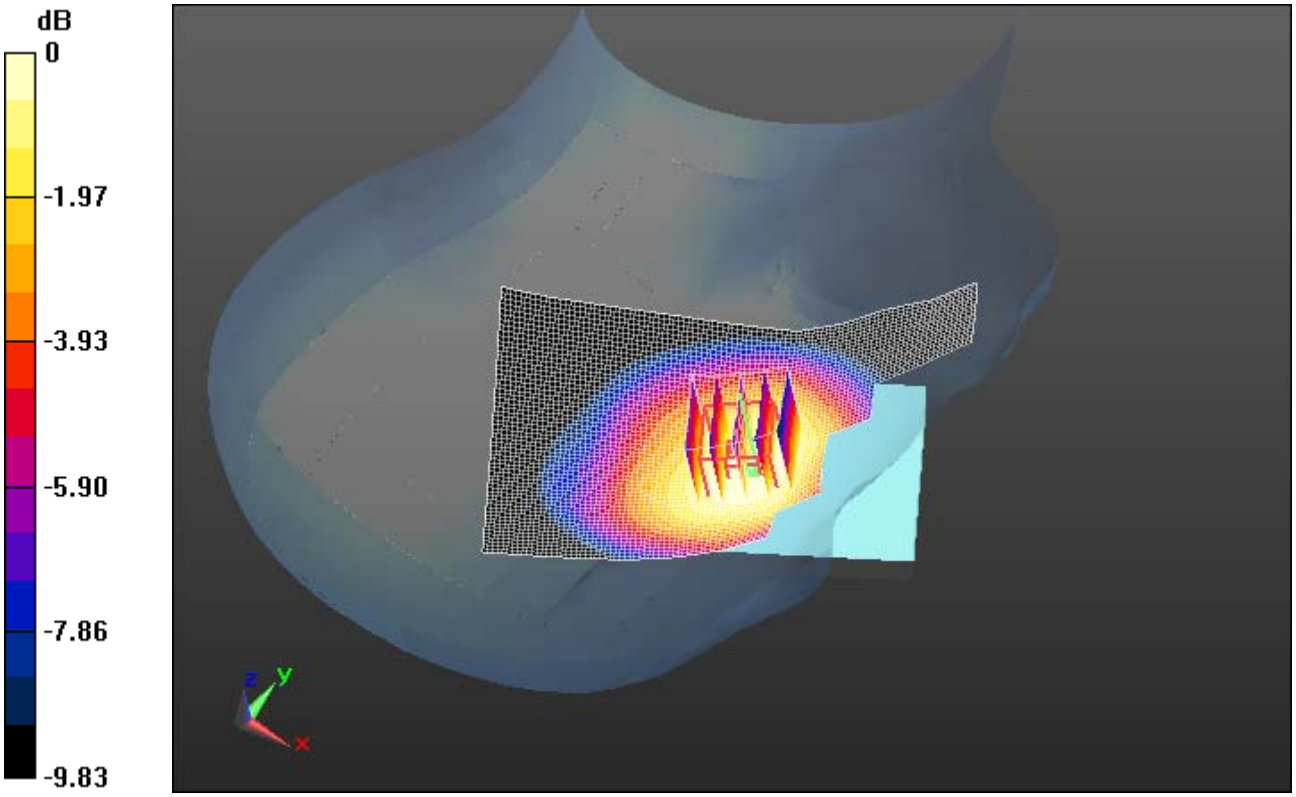
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.723 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.863 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.8320
SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.501 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.721 mW/g



0 dB = 0.720mW/g = -2.85 dB mW/g

Date/Time: 12/10/2012 4:41:29 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE850_mid_chan_amb_temp_23.3C_liq_temp_22.0C

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

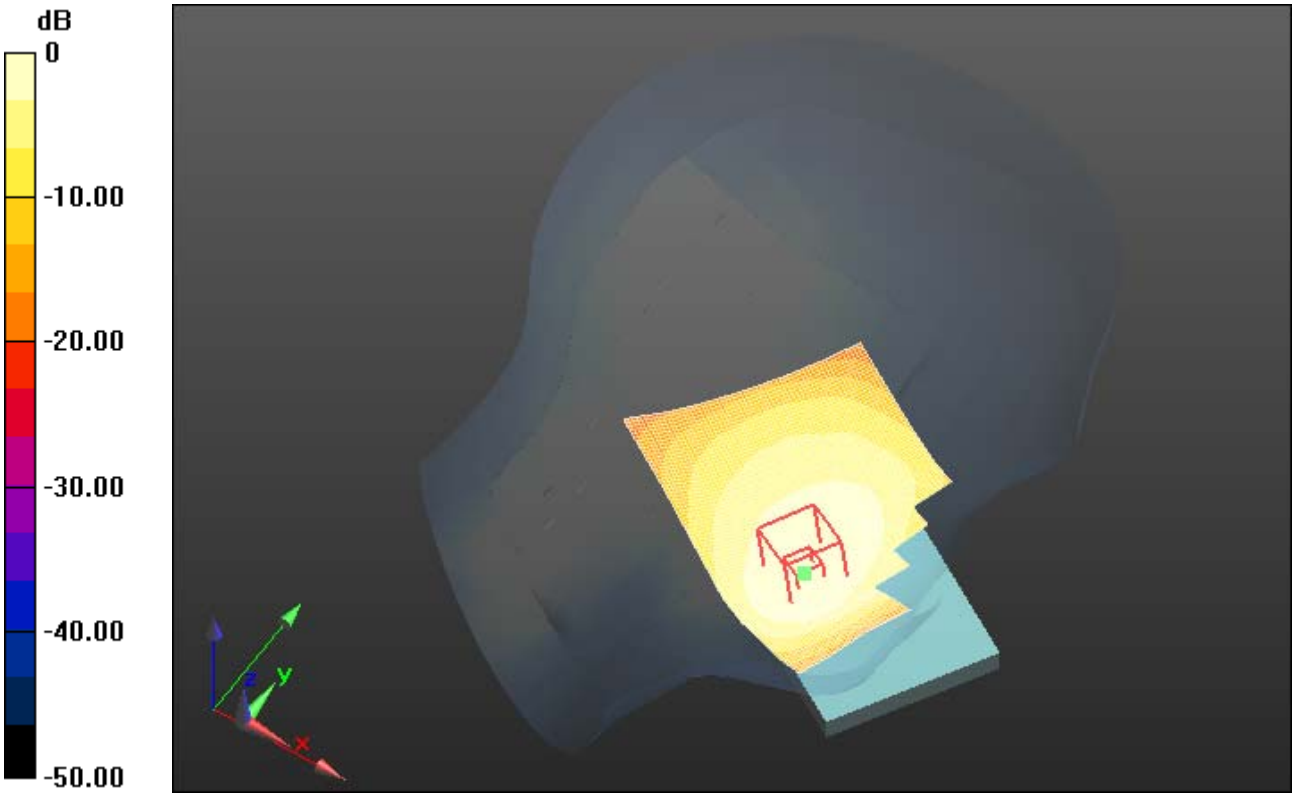
Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.609 V/m; Power Drift = -0.22 dB
Fast SAR: SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.470 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.781 mW/g



0 dB = 0.780mW/g = -2.16 dB mW/g

Date/Time: 12/10/2012 3:30:34 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE850_3slots_mid_chan_amb_temp_23.3C_liq_temp_22.0C

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

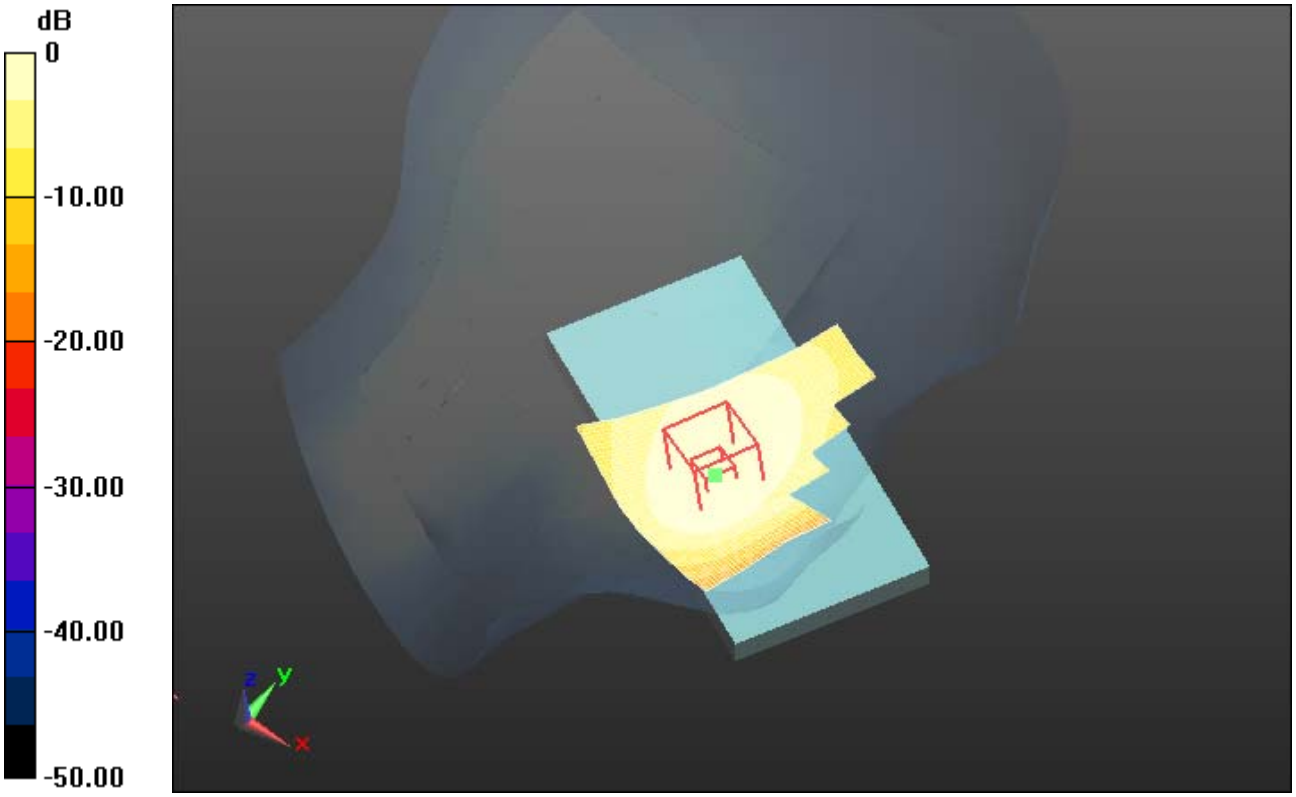
Communication System: EDGE 850 (3 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.747 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.485 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.806 mW/g



0 dB = 0.810mW/g = -1.83 dB mW/g

Date/Time: 12/10/2012 3:50:11 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE850_4slots_low_chan_amb_temp_23.2C_liq_temp_22.0C

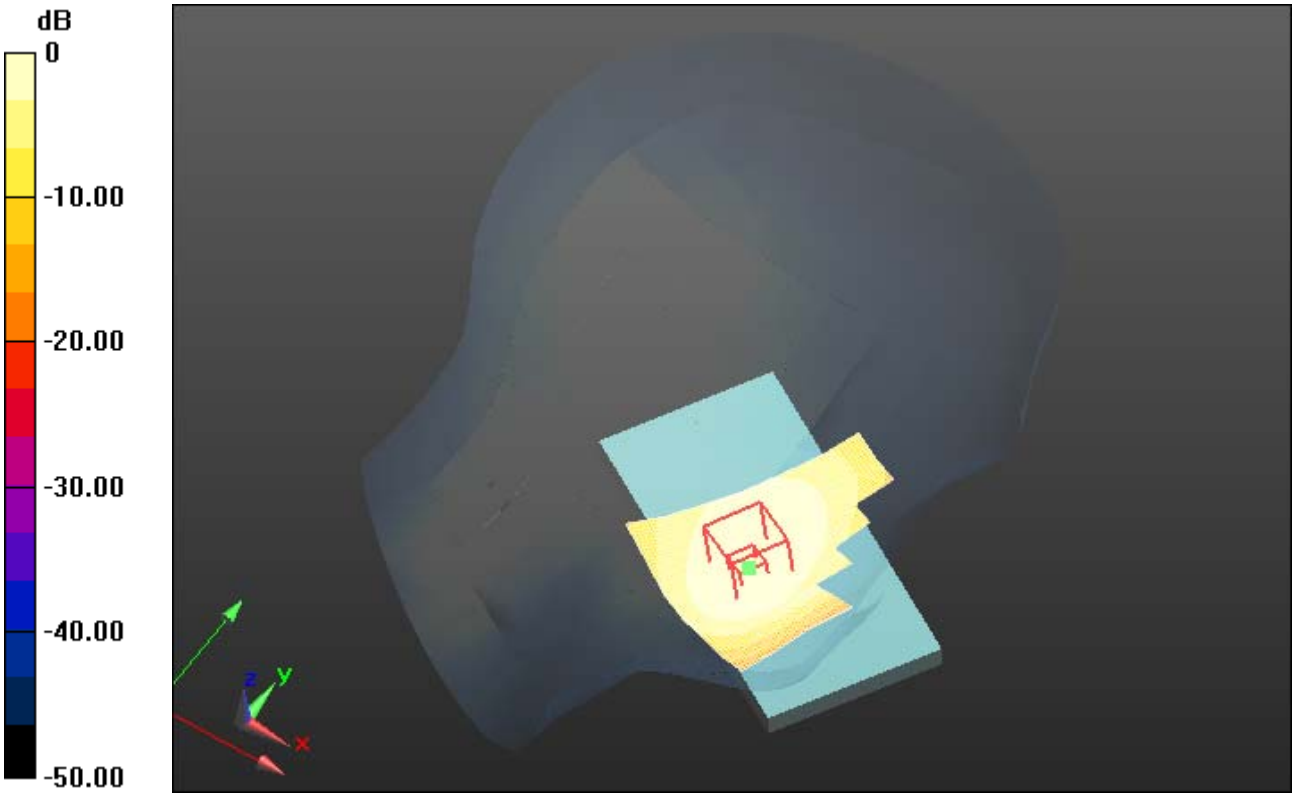
DUT: BlackBerry Smartphone; Type: Sample; Serial: 25CF0AD9

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

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.312 V/m; Power Drift = 0.30 dB
Fast SAR: SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.479 mW/g
Maximum value of SAR (interpolated) = 0.795 mW/g



0 dB = 0.790mW/g = -2.05 dB mW/g

Date/Time: 12/10/2012 3:41:08 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE850_4slots_mid_chan_amb_temp_23.3C_liq_temp_22.0C

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

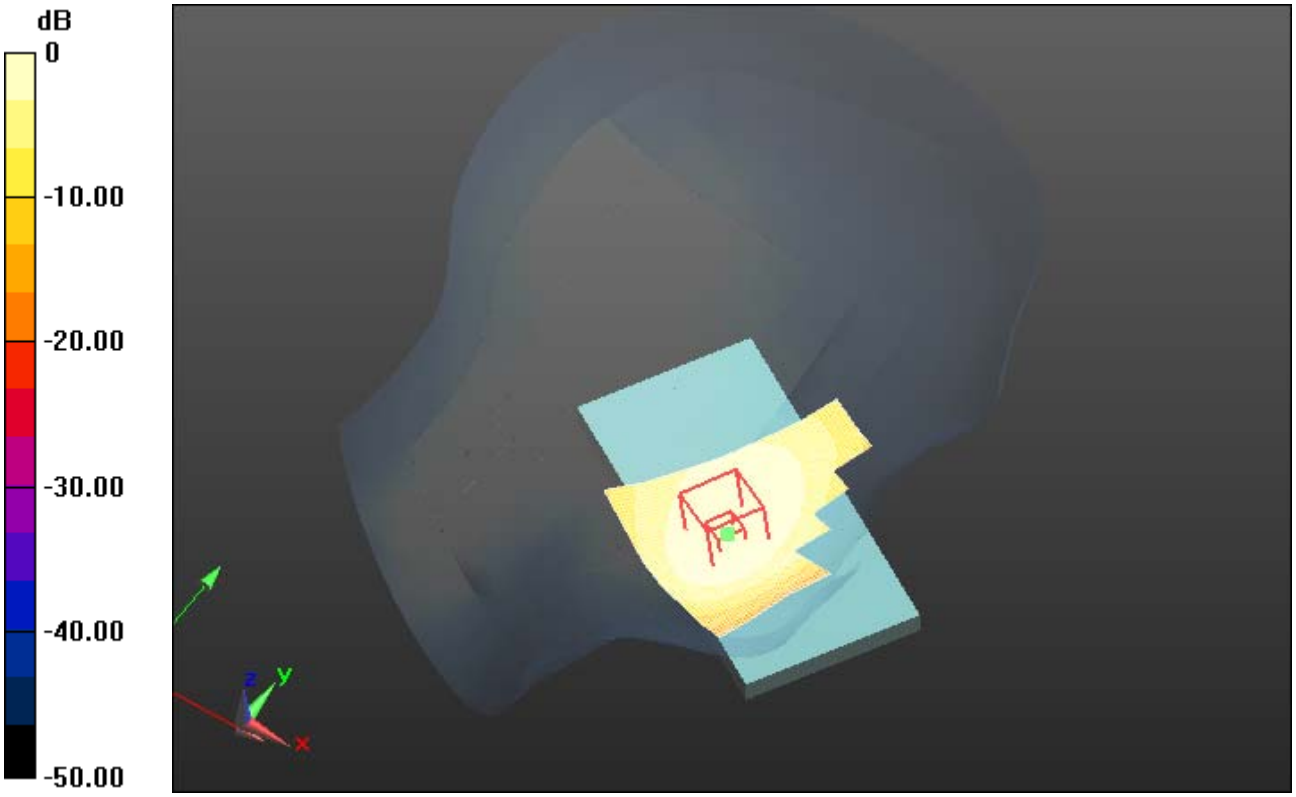
Communication System: EDGE 850 (4 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.518 V/m; Power Drift = -0.14 dB
Fast SAR: SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.568 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.947 mW/g



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

Date/Time: 12/10/2012 4:04:49 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE850_4slots_high_chan_amb_temp_23.2C_liq_temp_22.0C

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

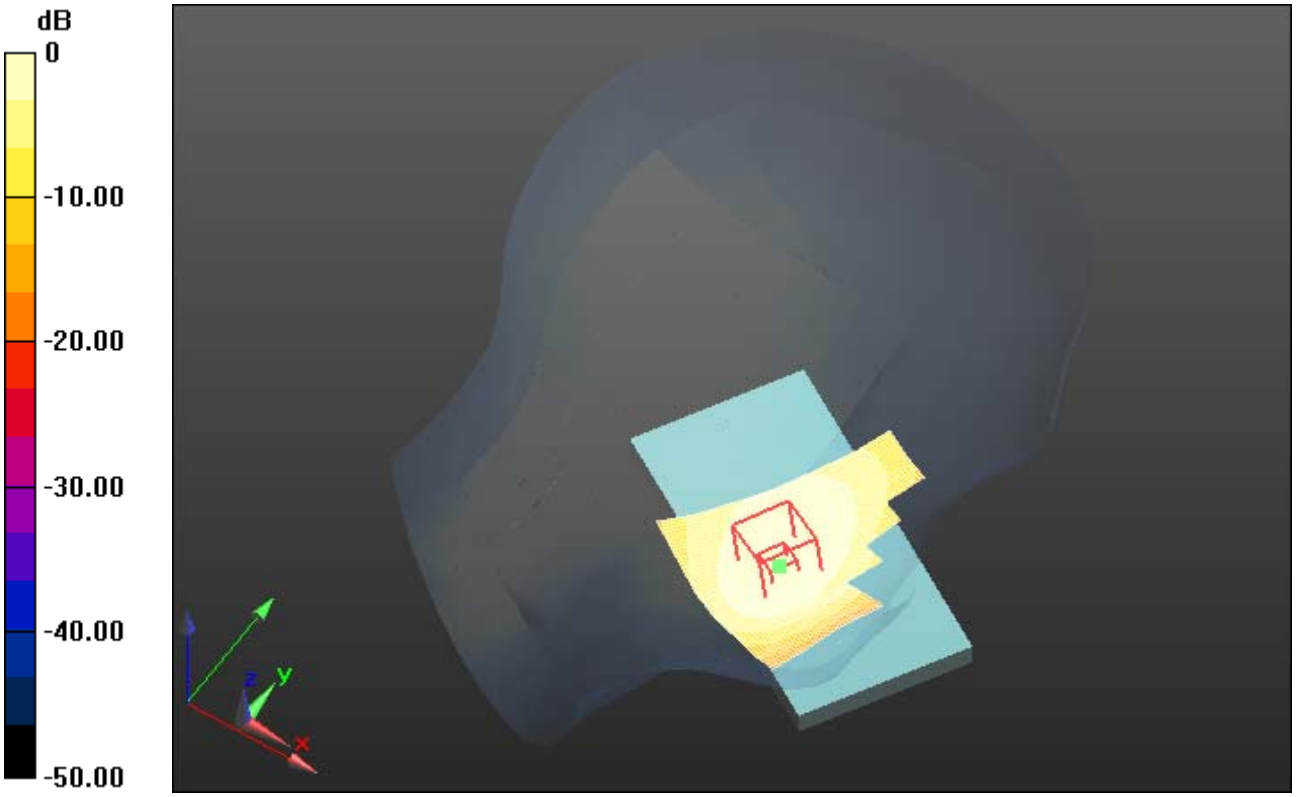
Communication System: EDGE 850 (4 slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.902 mho/m; ε_r = 39.967; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.803 V/m; Power Drift = 0.20 dB
Fast SAR: SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.584 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.975 mW/g



0 dB = 0.970mW/g = -0.26 dB mW/g

Date/Time: 12/10/2012 4:04:49 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_4slots_high_chan_amb_temp_23.2C_liq_temp_22.0C

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

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

DASY Configuration:

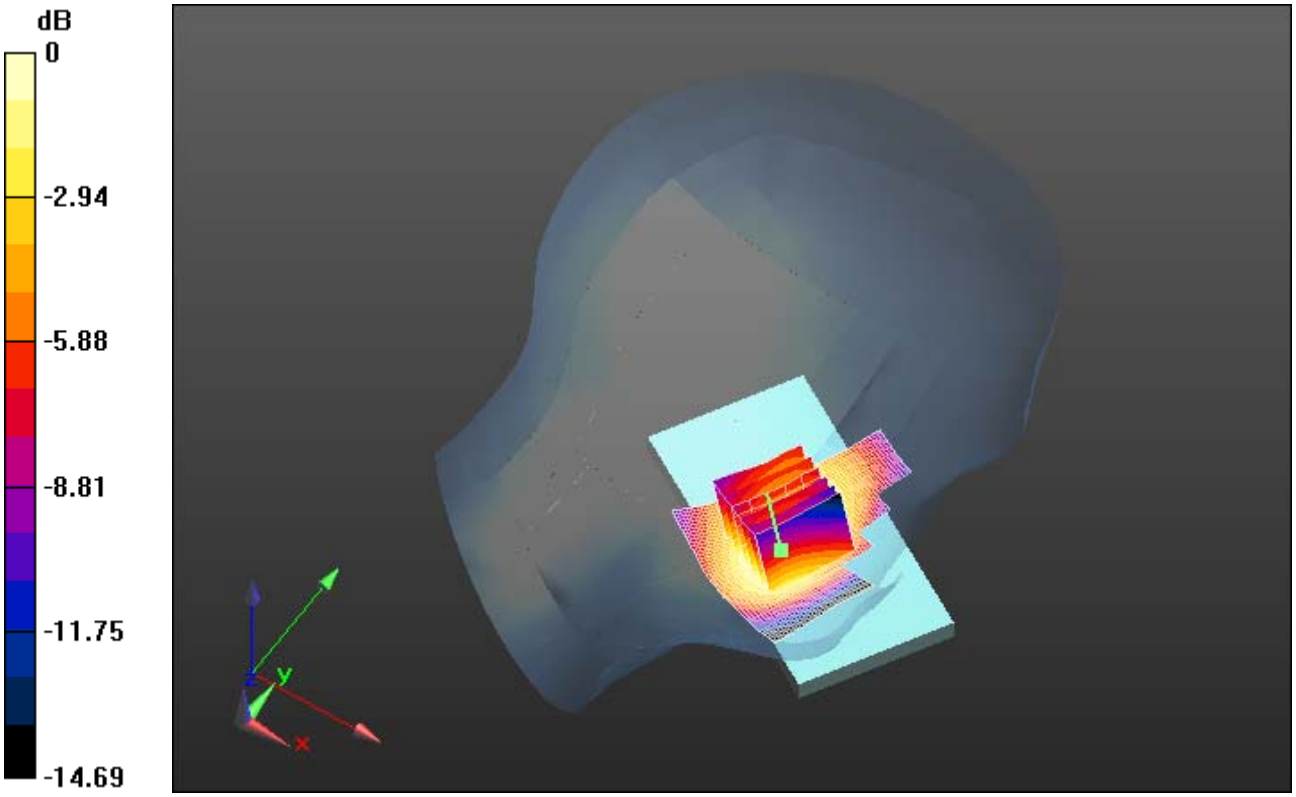
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.975 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.803 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.1350
SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.647 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.983 mW/g



0 dB = 0.980mW/g = -0.18 dB mW/g

Date/Time: 12/10/2012 4:04:49 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_4slots_high_chan_amb_temp_23.2C_liq_temp_22.5C_2nd_scan

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

Communication System: EDGE 850 (4 slots); Communication System Band: EDGE (4 slots); Frequency: 848.8 MHz;Communication System PAR: 3.222 dB; PMF: 1.44911
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.902 mho/m; ε_r = 39.967; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

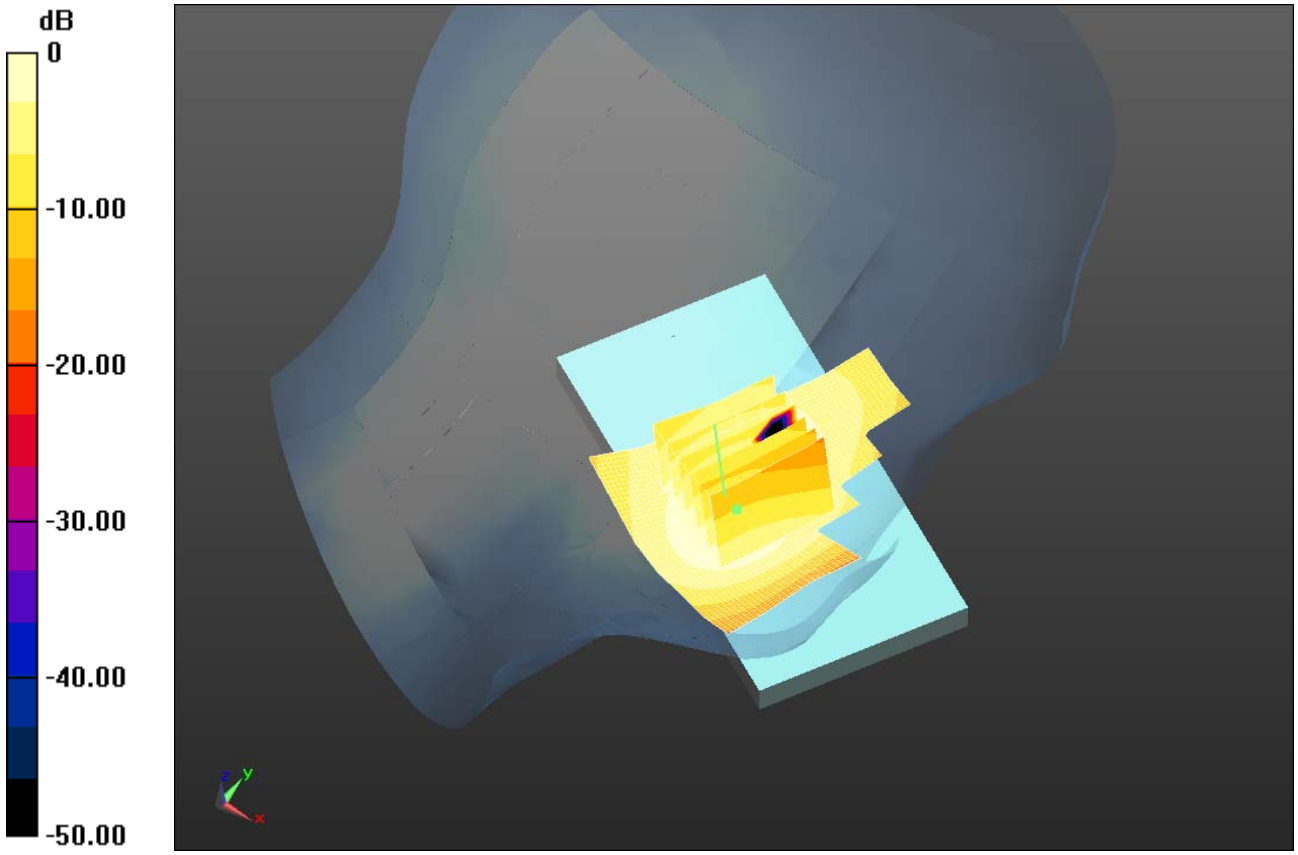
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.975 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.059 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.2390
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.673 mW/g

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



0 dB = 1.050mW/g = 0.42 dB mW/g

Date/Time: 12/10/2012 5:14:16 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_DTM/EDGE850_mid_chan_amb_temp_23.1C_liq_temp_22.0C

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

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

DASY Configuration:

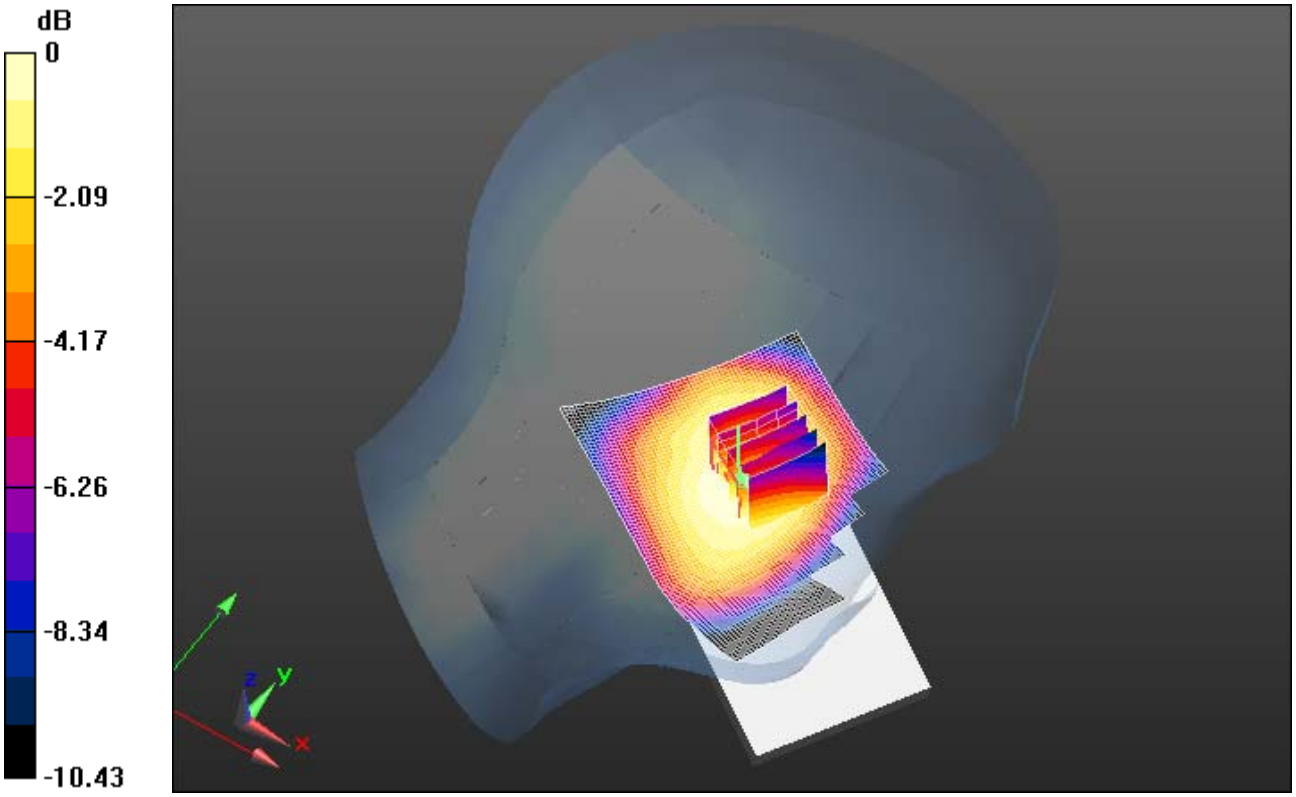
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.446 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.812 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.5000
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.301 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.440mW/g = -7.13 dB mW/g

Date/Time: 12/10/2012 4:54:17 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM850_mid_chan_amb_temp_23.2C_liq_temp_22.0C

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

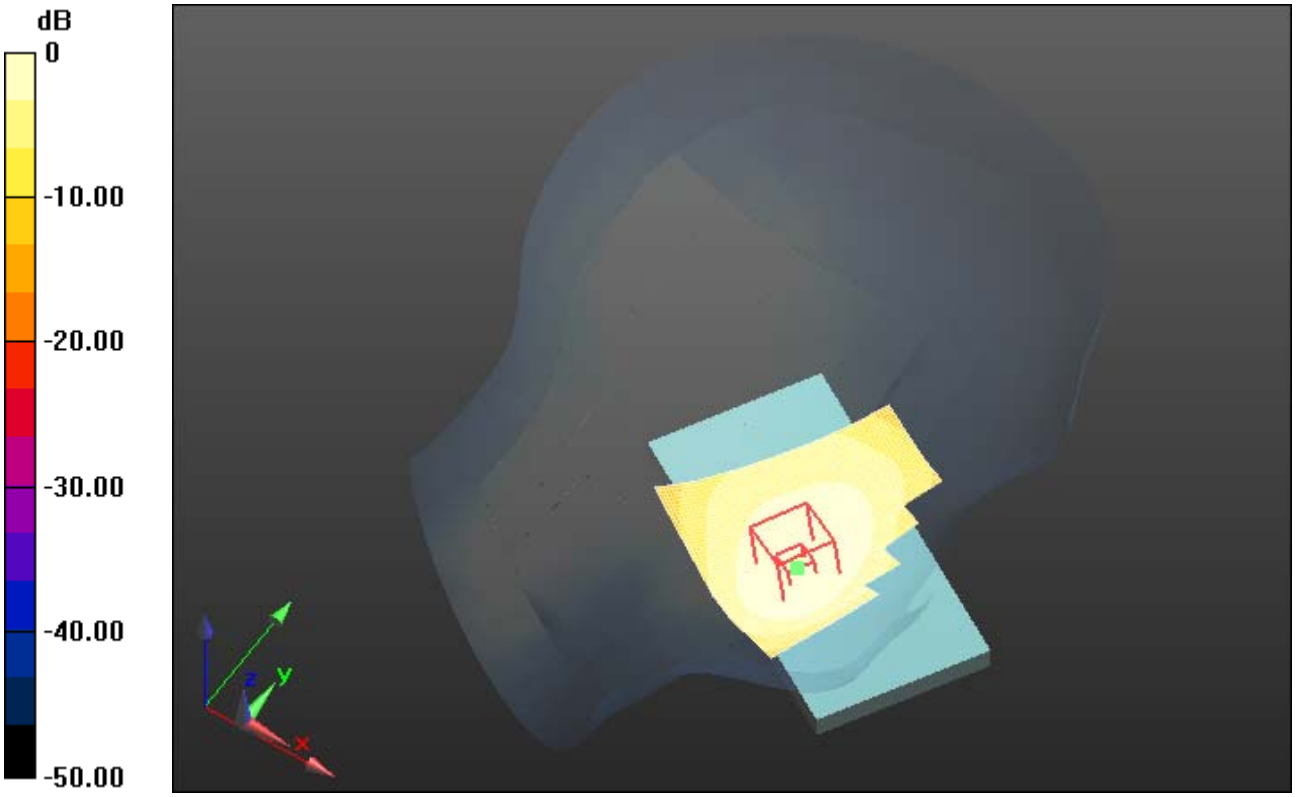
Communication System: GSM 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.889 mho/m; ε_r = 40.113; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.219 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.570 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.950 mW/g



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

Date/Time: 12/10/2012 4:04:49 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_4slots_high_chan_amb_temp_23.6C_liq_temp_22.2C_2100mA_batt

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

Communication System: EDGE 850 (4 slots); Communication System Band: EDGE (4 slots); Frequency: 848.8 MHz;Communication System PAR: 3.222 dB; PMF: 1.44911
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.902 mho/m; ε_r = 39.967; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

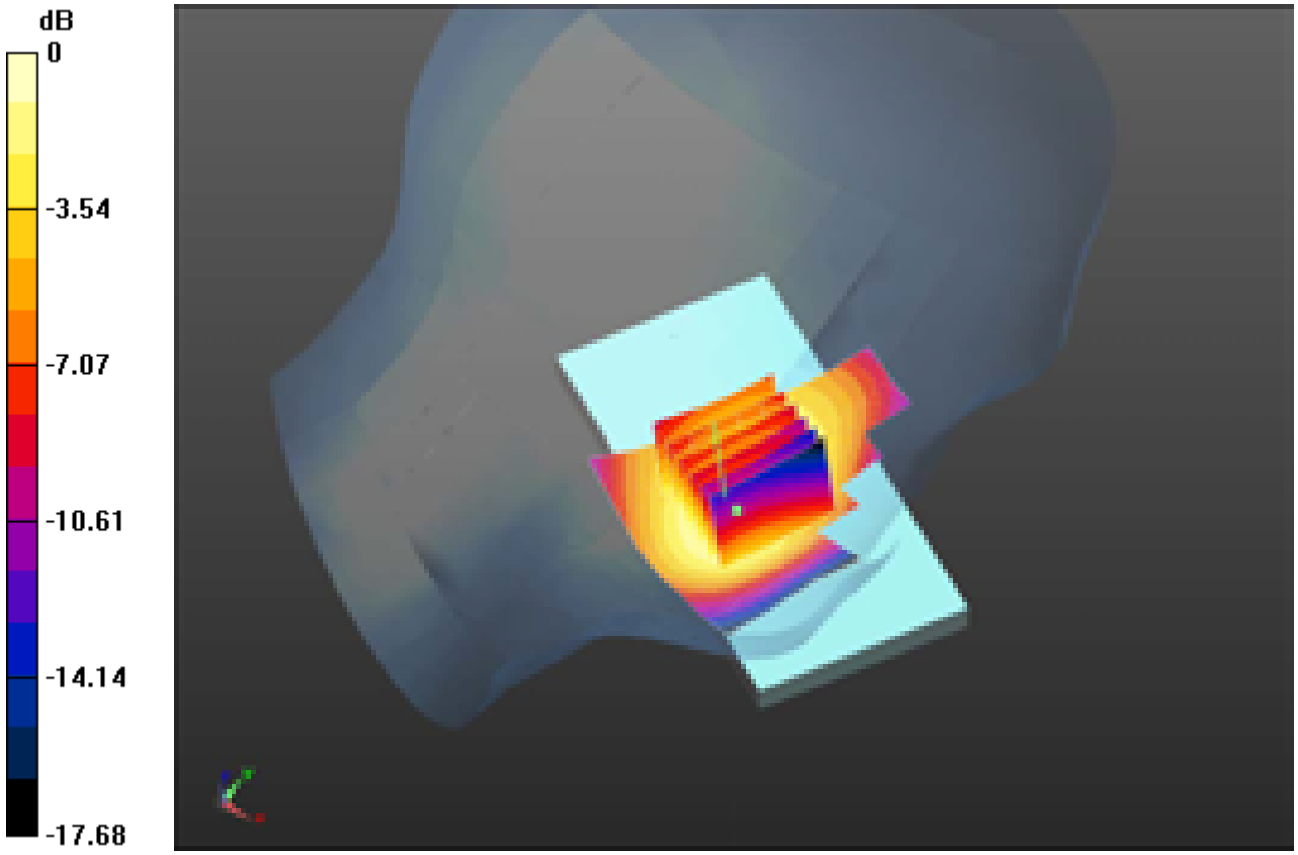
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.975 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.377 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.2350
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.667 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.055 mW/g



0 dB = 1.050mW/g = 0.42 dB mW/g

UMTS Band V

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

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_V_mid_chan_amb_temp_23.6C_liq_temp_22.3C

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

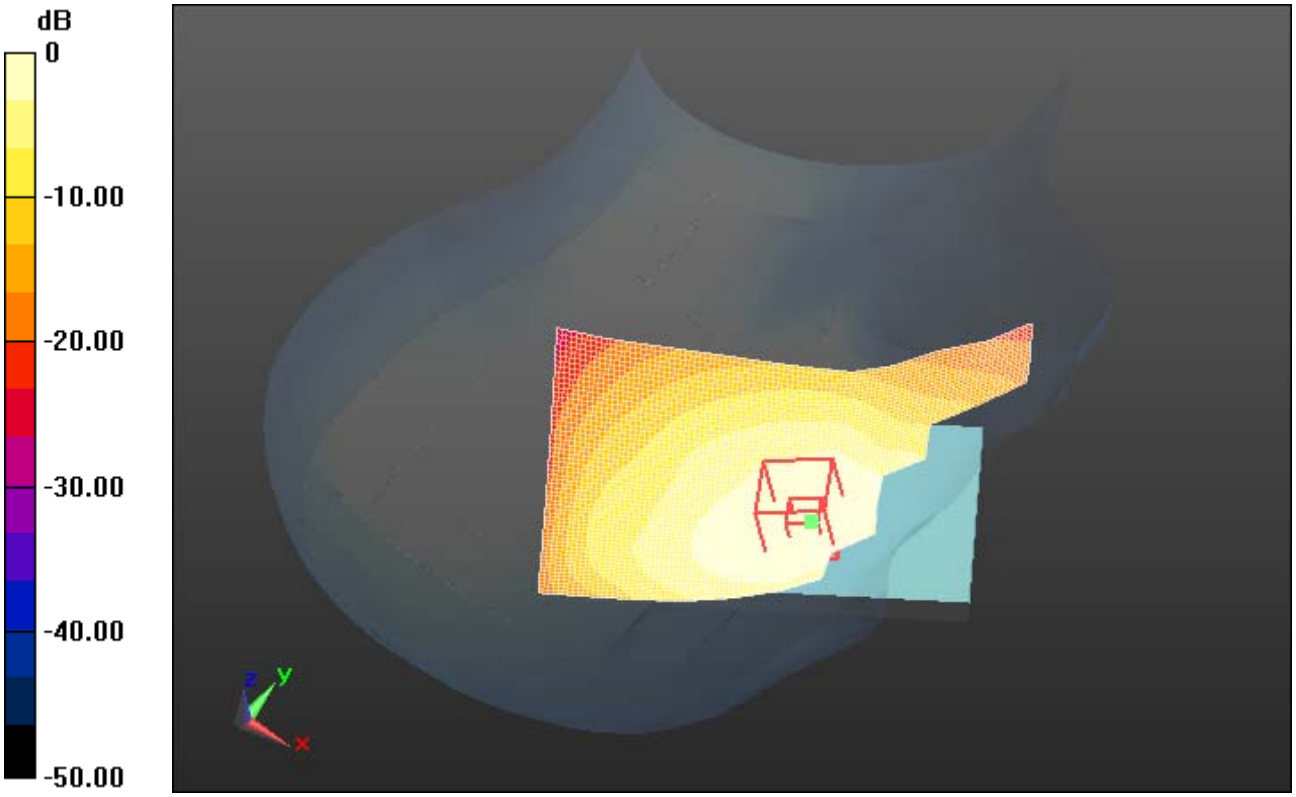
Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

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

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



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

Date/Time: 12/9/2012 11:04:59 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_Band_V_mid_chan_amb_temp_23.5C_liq_temp_22.1C

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

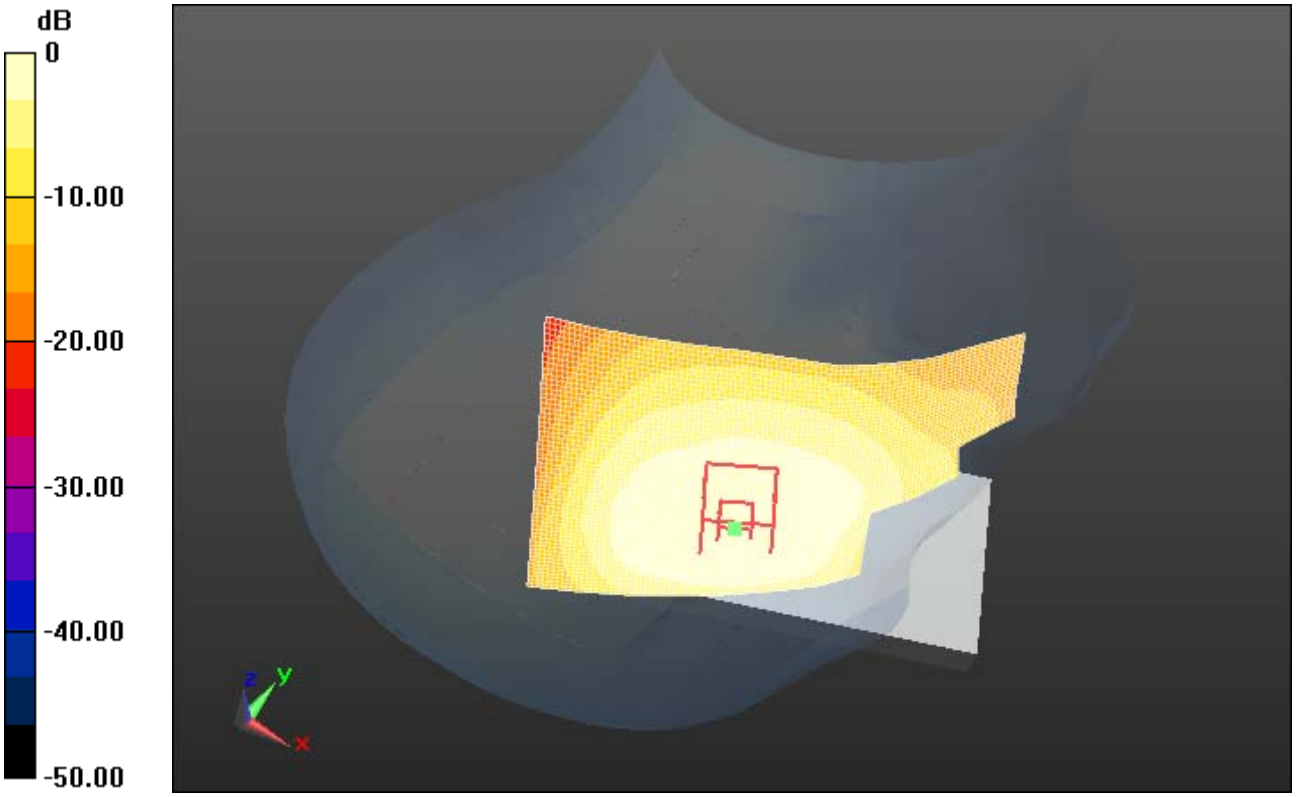
Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 16.919 V/m; Power Drift = 0.17 dB
Fast SAR: SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.275 mW/g

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



0 dB = 0.450mW/g = -6.94 dB mW/g

Date/Time: 12/9/2012 10:14:06 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_low_chan_amb_temp_24.1C_liq_temp_22.4C

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

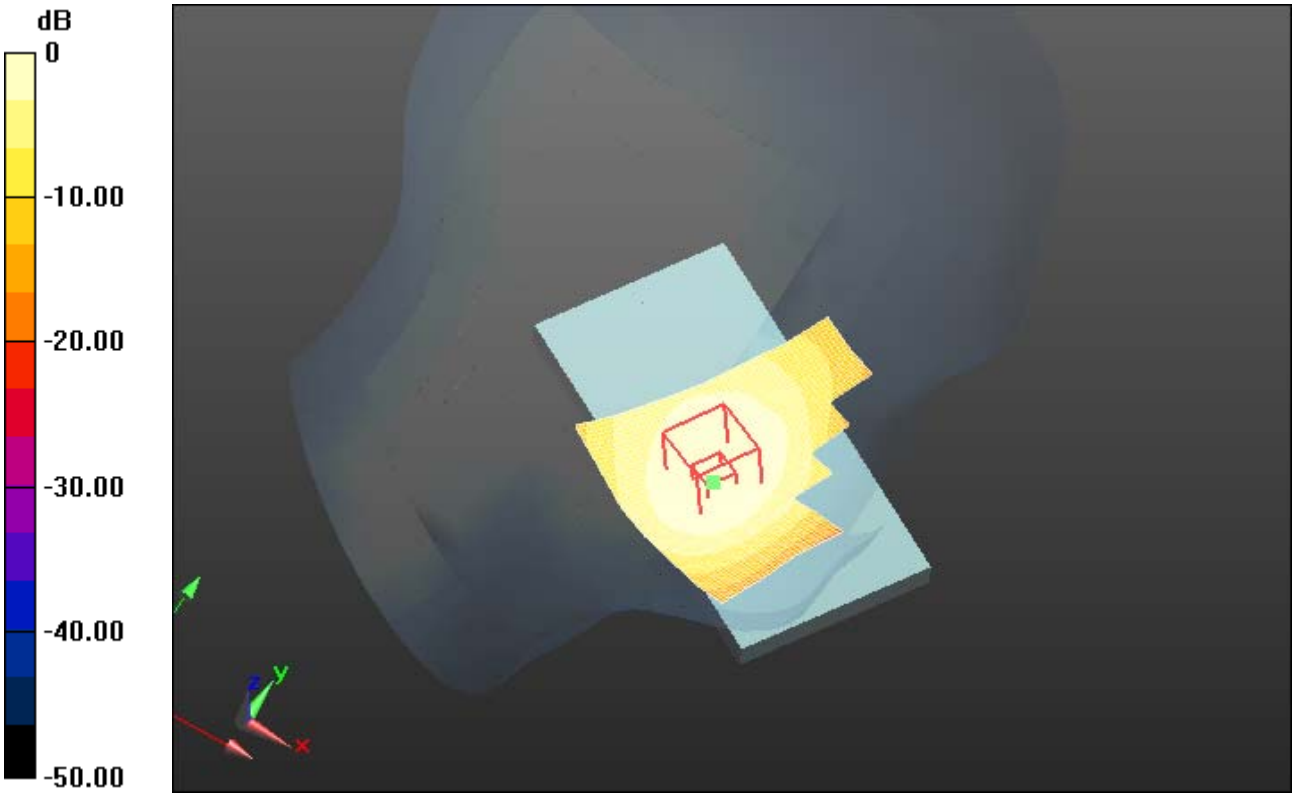
Communication System: WCDMA FDD V; Frequency: 826.4 MHz
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.879 mho/m; ε_r = 40.243; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 10.933 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.611 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.023 mW/g



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

Date/Time: 12/9/2012 10:01:46 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_mid_chan_amb_temp_24.8C_liq_temp_22.5C

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

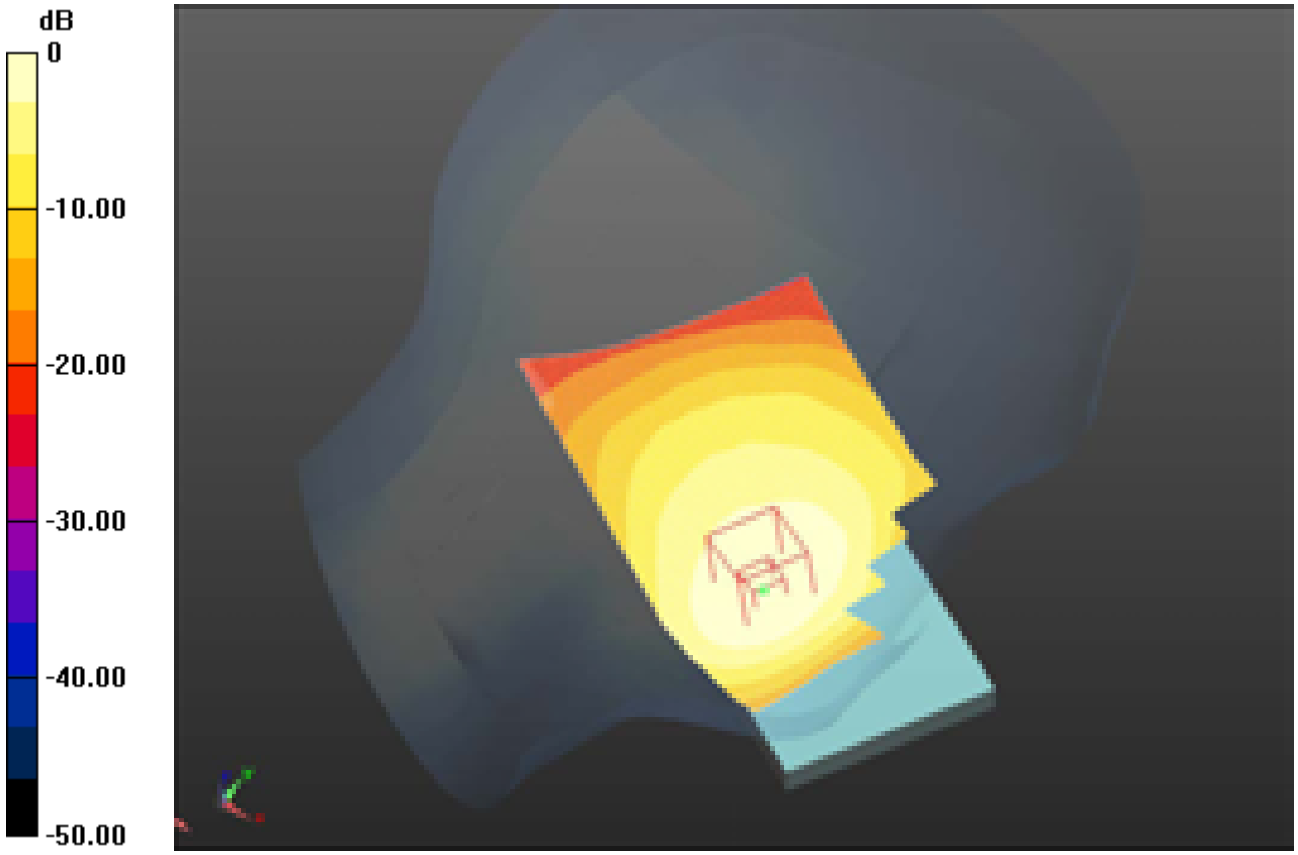
Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.296 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.609 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.020 mW/g



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

Date/Time: 12/9/2012 10:24:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.9C_liq_temp_22.4C

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

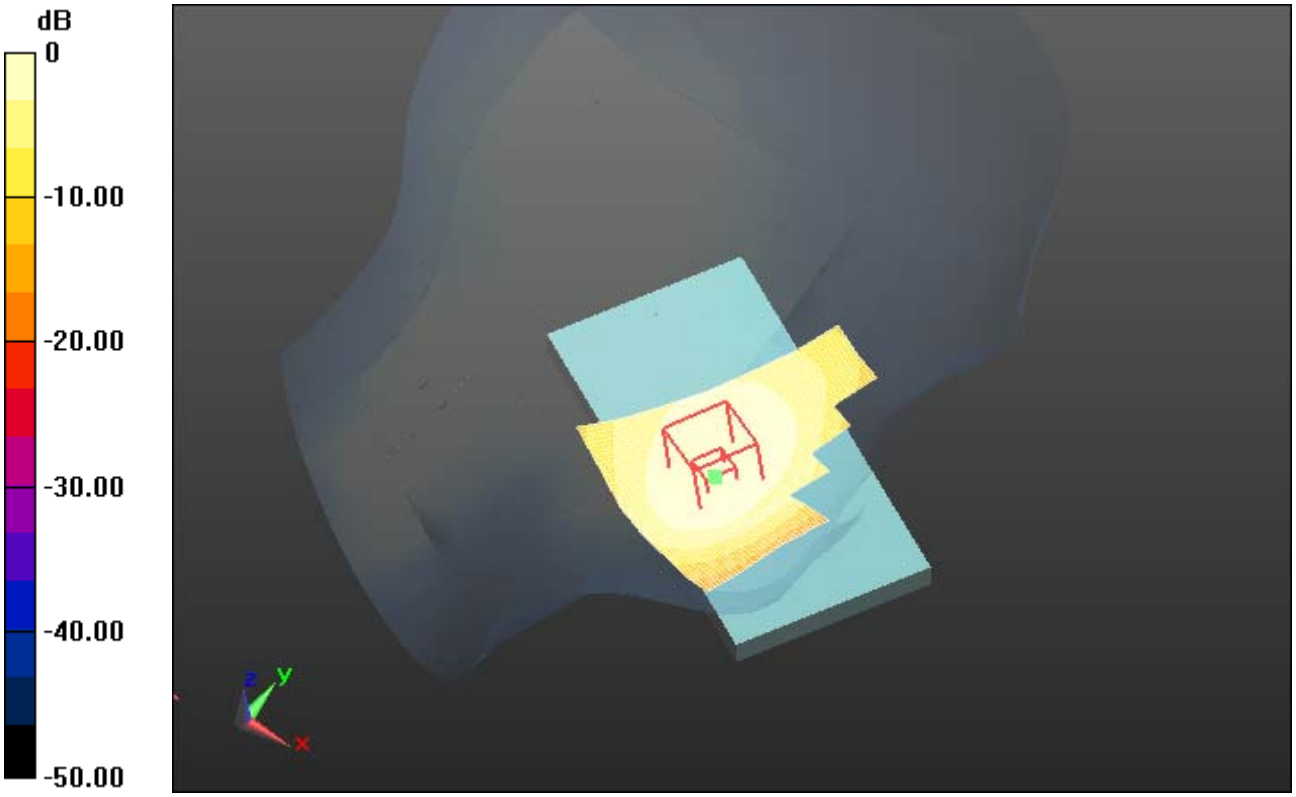
Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.9 mho/m; ε_r = 39.973; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.974 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.638 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.067 mW/g



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

Date/Time: 12/9/2012 10:24:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.9C_liq_temp_22.4C

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

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.9 mho/m; ε_r = 39.973; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

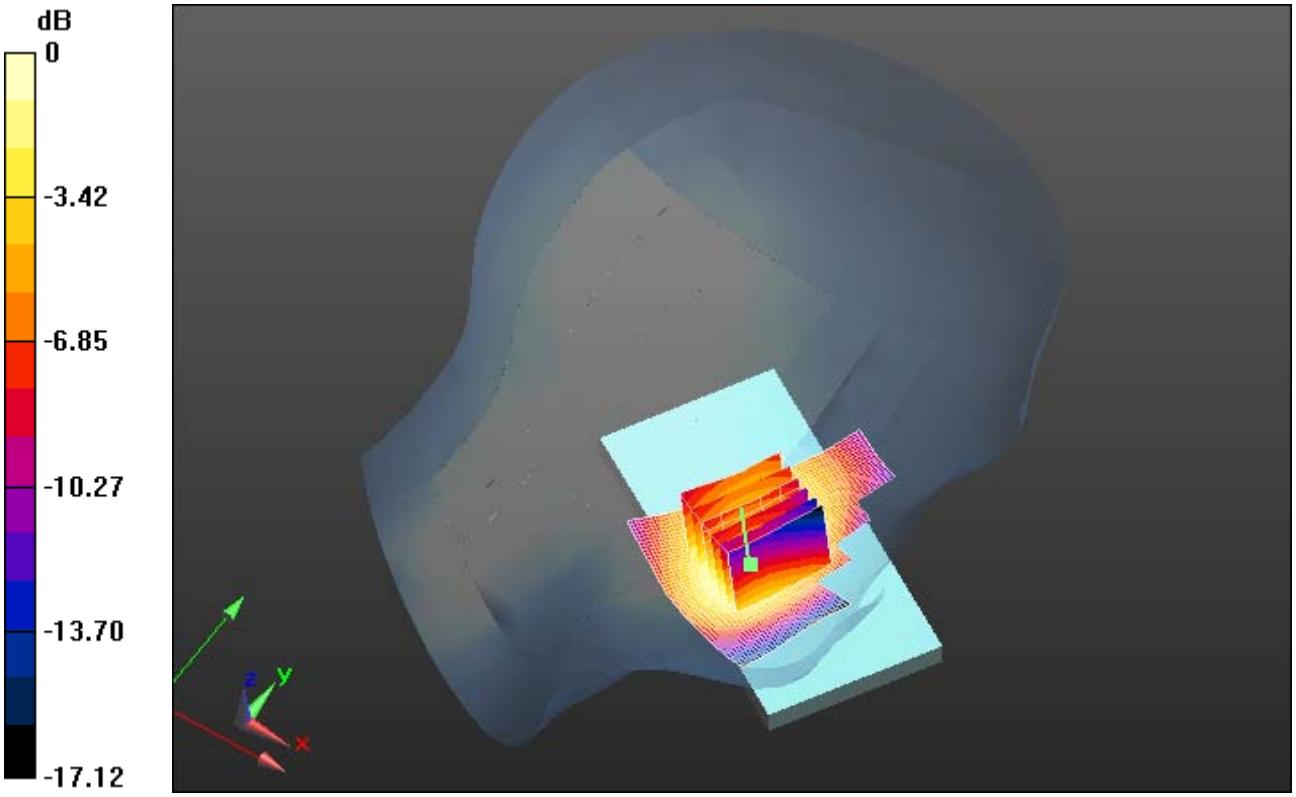
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.067 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.306 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.2900
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.723 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.099 mW/g



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

Date/Time: 12/9/2012 10:24:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.0C_liq_temp_22.5C_2nd_scan

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

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

DASY Configuration:

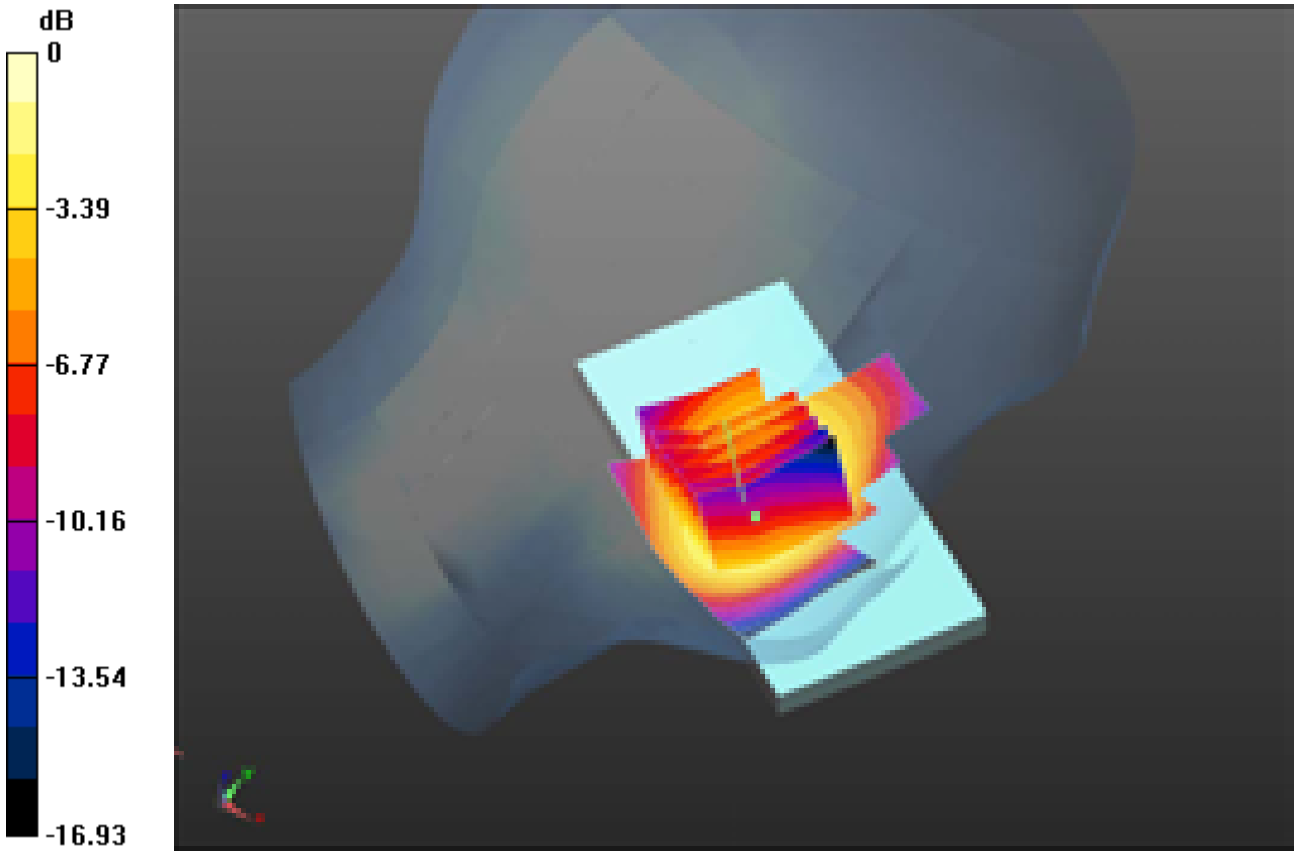
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
  - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.067 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.499 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.2500
SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.707 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.066 mW/g



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

Date/Time: 12/9/2012 10:36:03 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_Band_V_mid_chan_amb_temp_23.7C_liq_temp_22.5C

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

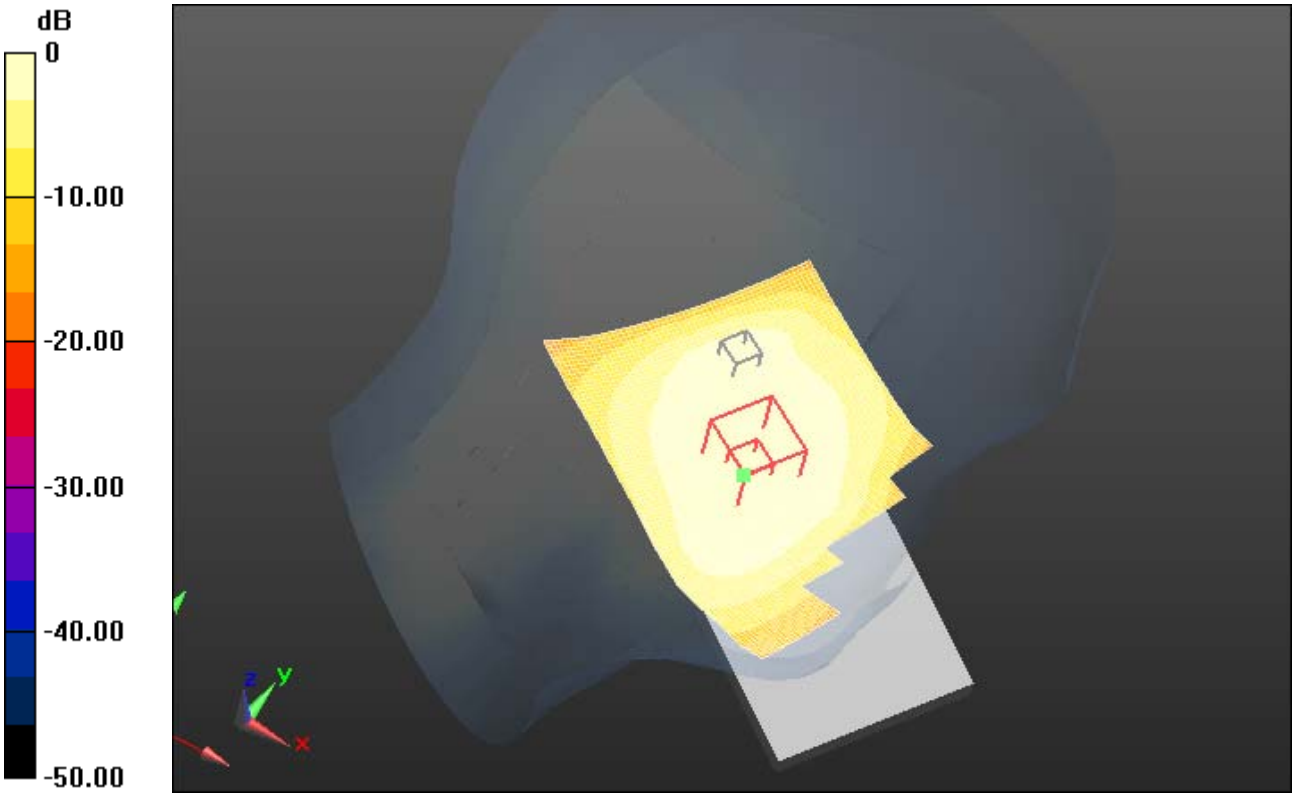
Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.889 mho/m; ε_r = 40.118; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.134 V/m; Power Drift = 0.12 dB
Fast SAR: SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.275 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.431 mW/g



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

Date/Time: 12/9/2012 10:24:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_V_high_chan_amb_temp_23.0C_liq_temp_22.5C_2100mA_batt

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

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

DASY Configuration:

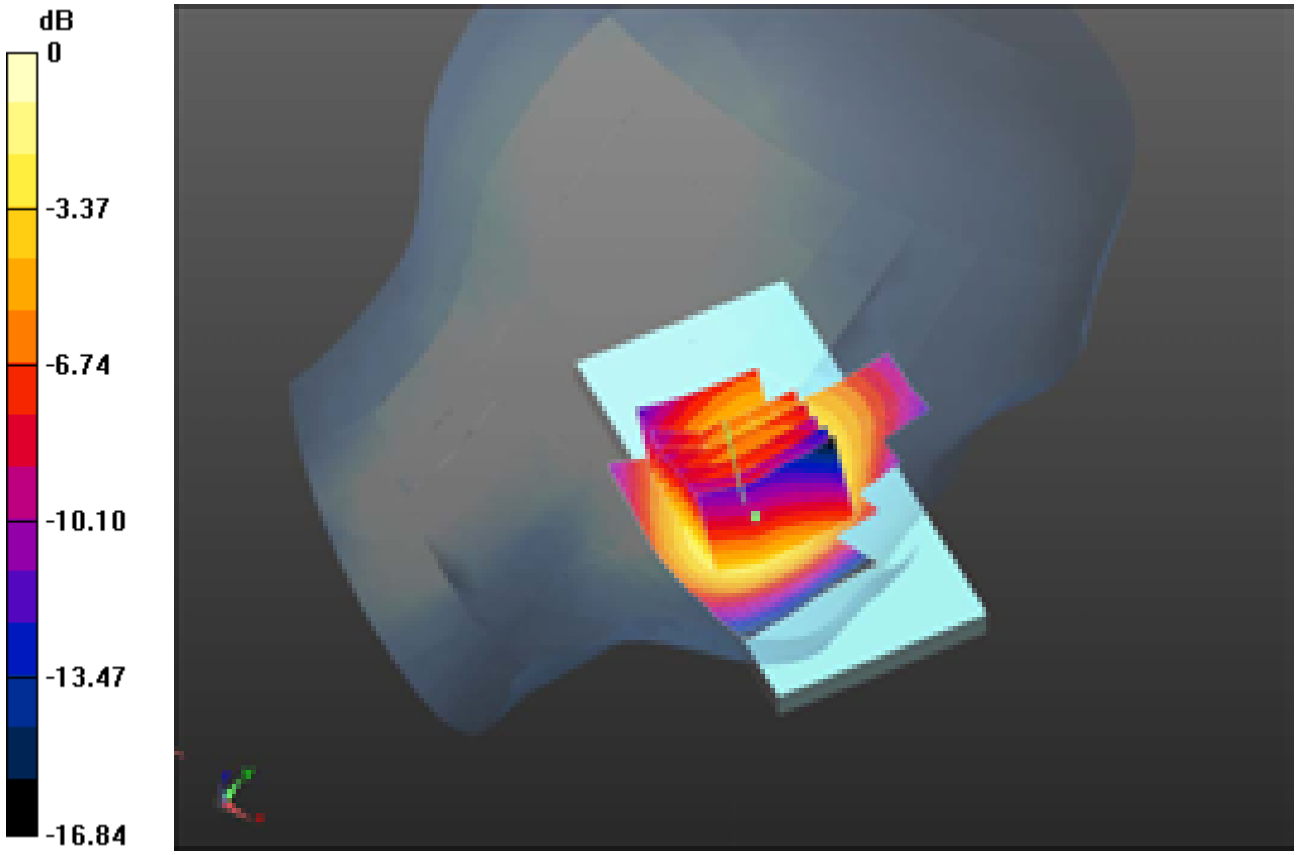
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.067 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.200 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.3480
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.738 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.133 mW/g



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

LTE 4

Date/Time: 12/4/2012 9:27:25 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.8_liq_temp_21.8C

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

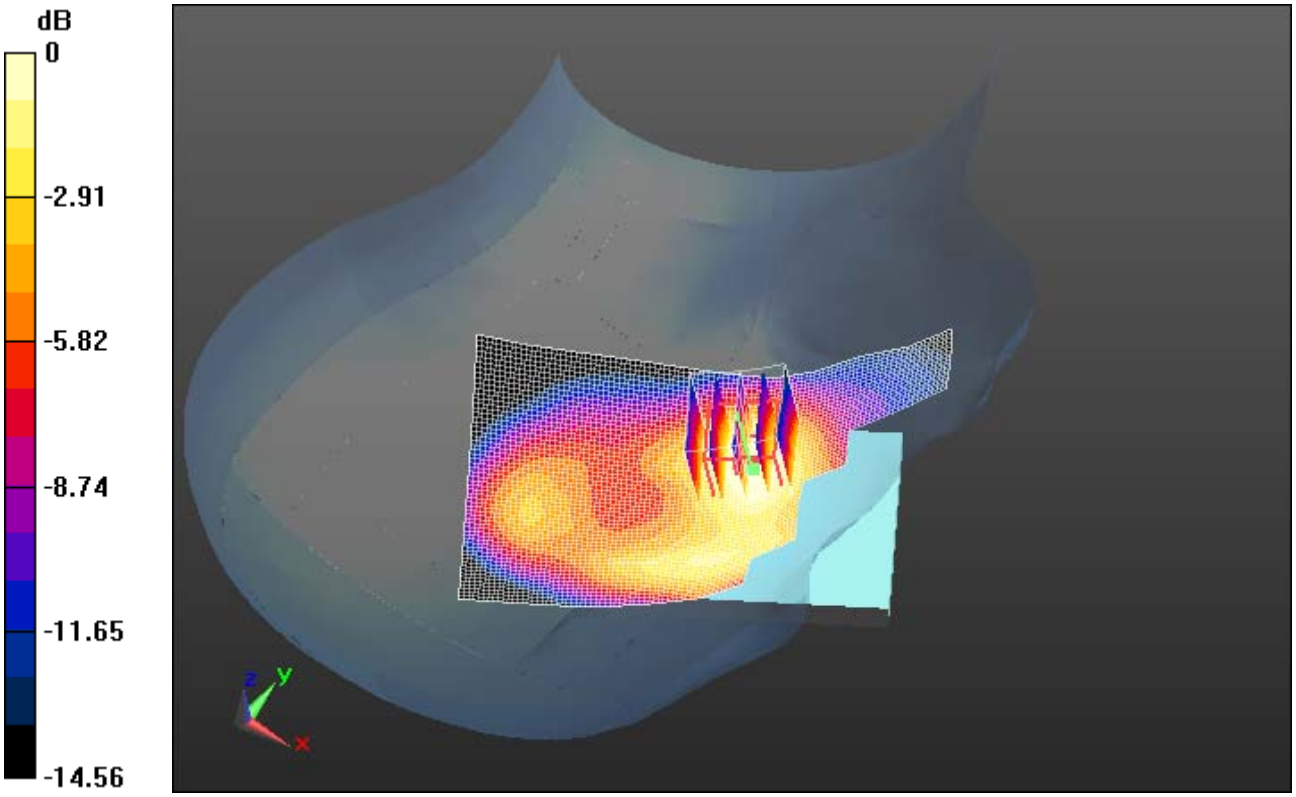
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.933 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.789 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.0430
SAR(1 g) = 0.746 mW/g; SAR(10 g) = 0.476 mW/g
Maximum value of SAR (measured) = 0.854 mW/g



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

Date/Time: 12/4/2012 9:44:33 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_4_high_chan_QPSK_RB_50_Offset_0_amb_temp_23.7_liq_temp_21.7C

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

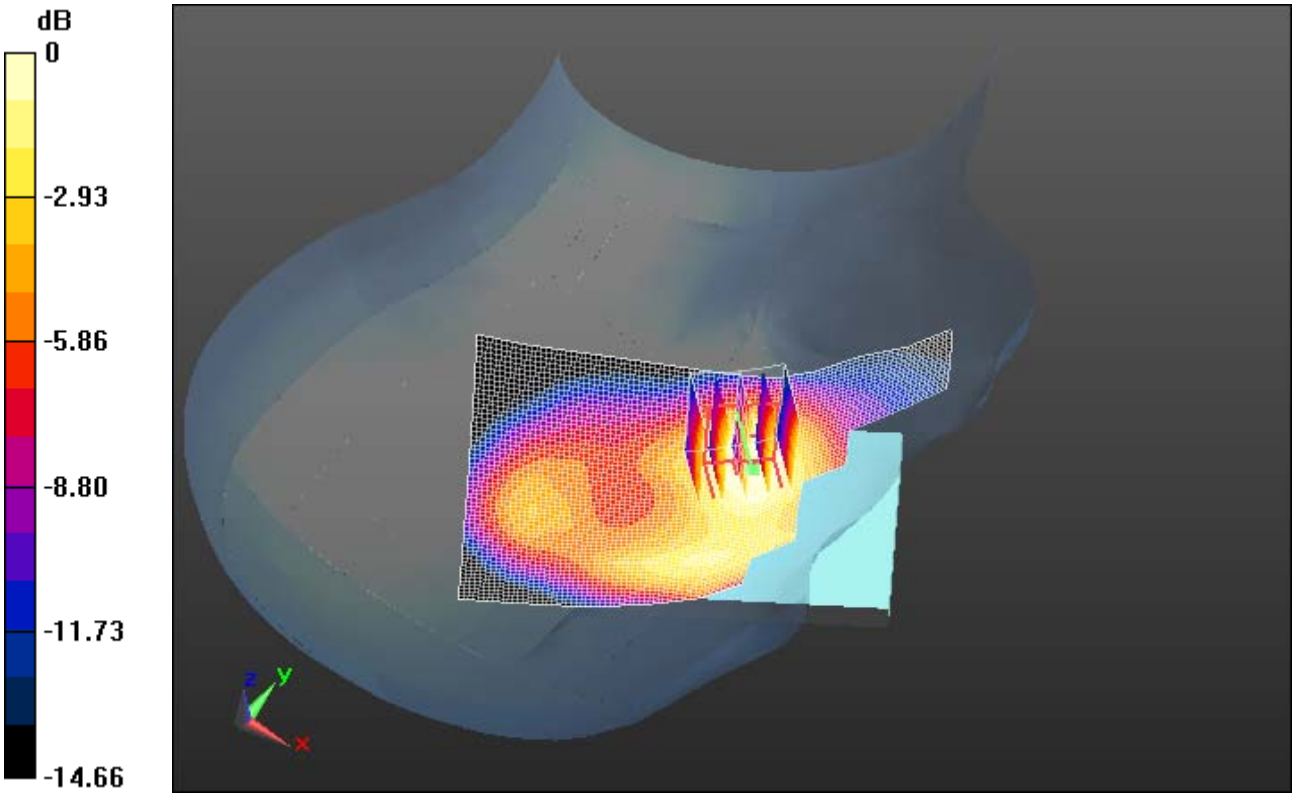
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.695 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.201 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.7790
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.625 mW/g



0 dB = 0.620mW/g = -4.15 dB mW/g

Date/Time: 12/4/2012 11:20:53 PM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.8_liq_temp_21.5C

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

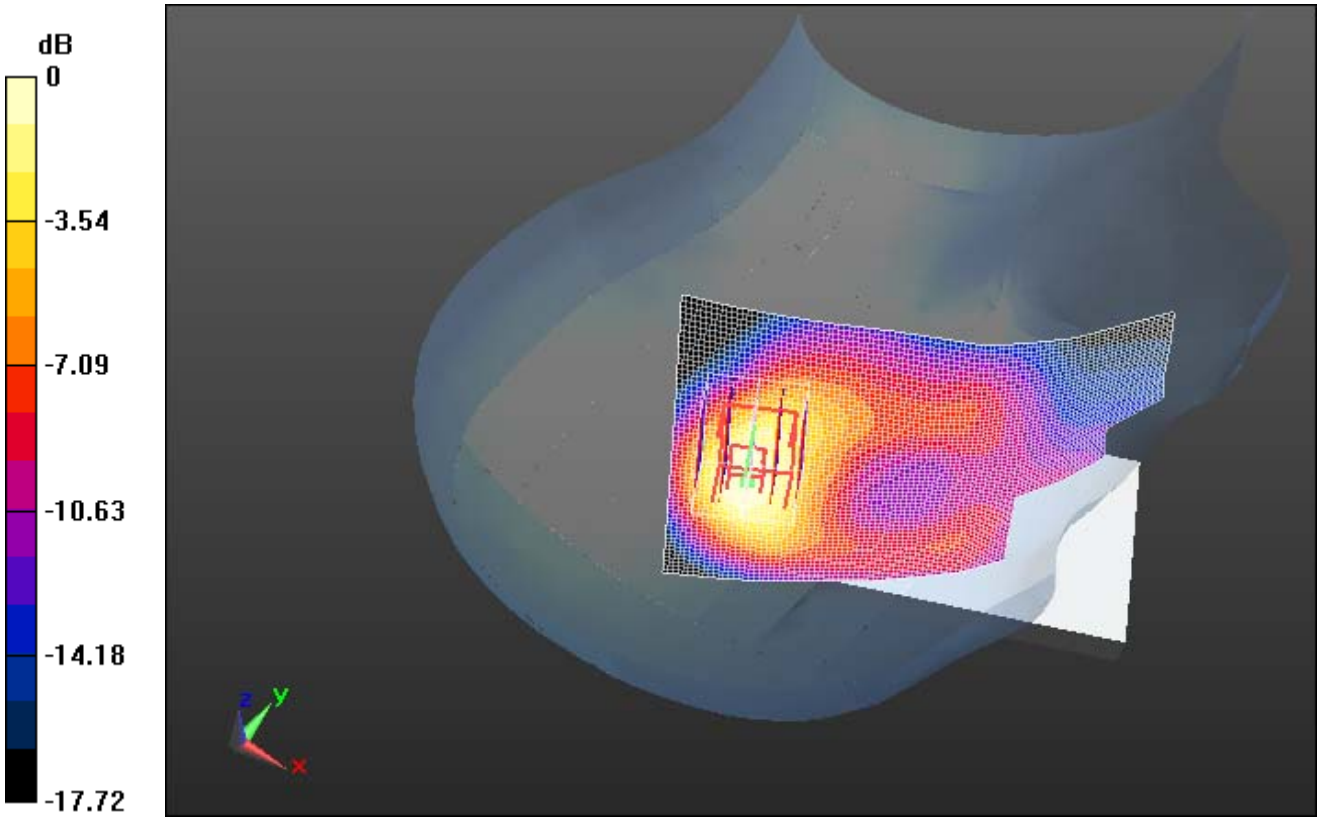
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.869 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.863 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.0700
SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.800mW/g = -1.94 dB mW/g

Date/Time: 12/4/2012 7:36:32 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_low_chan_QPSK_RB_1_Offset_0_amb_temp_24.1_liq_temp_22.5C

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

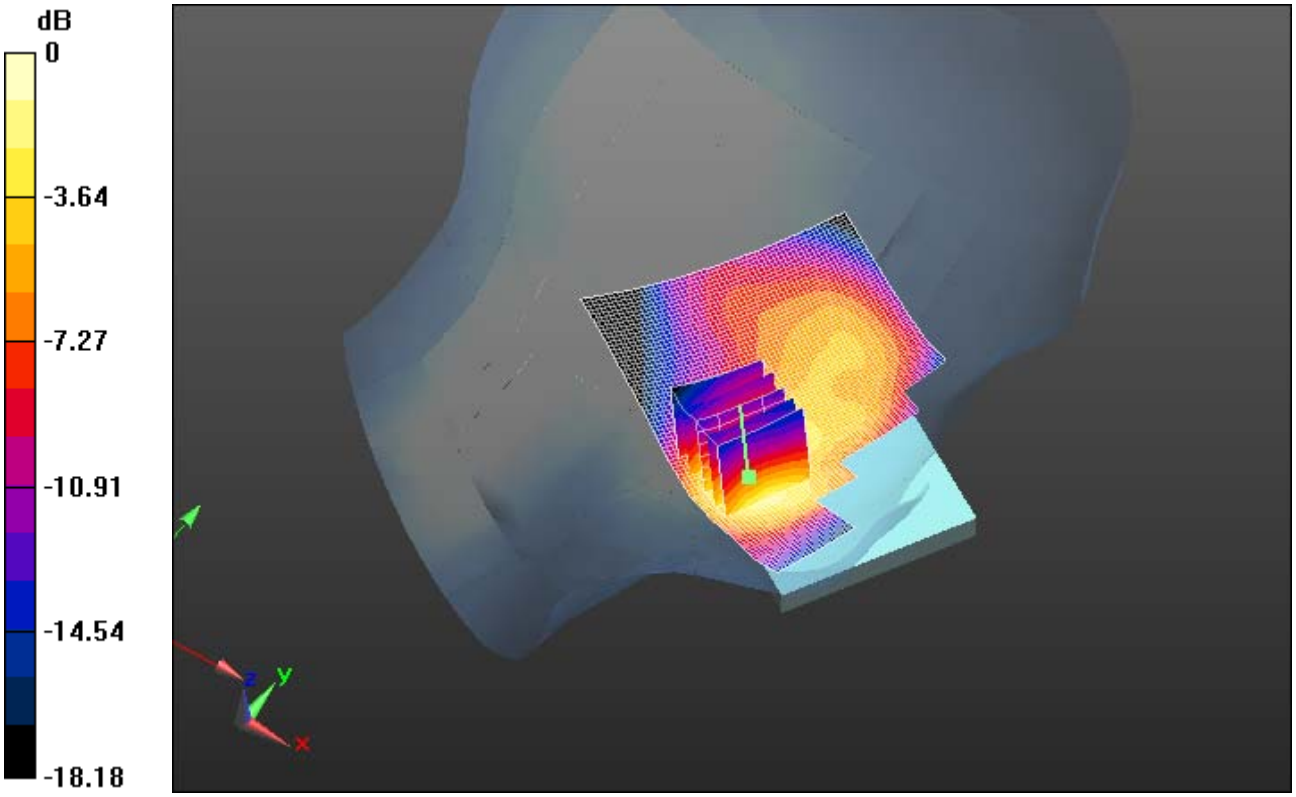
Communication System: LTE 1800_Band 4; Frequency: 1720 MHz
Medium parameters used: f = 1720 MHz; σ = 1.352 mho/m; ε_r = 39.022; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.388 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.957 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 1.8370
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.642 mW/g
Maximum value of SAR (measured) = 1.357 mW/g



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

Date/Time: 12/4/2012 7:19:11 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_mid_chan_QPSK_RB_1_Offset_99_amb_temp_23.7_liq_temp_22.7C

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

Communication System: LTE 1800_Band 4; Frequency: 1732.5 MHz
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.367 mho/m; ε_r = 38.958; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

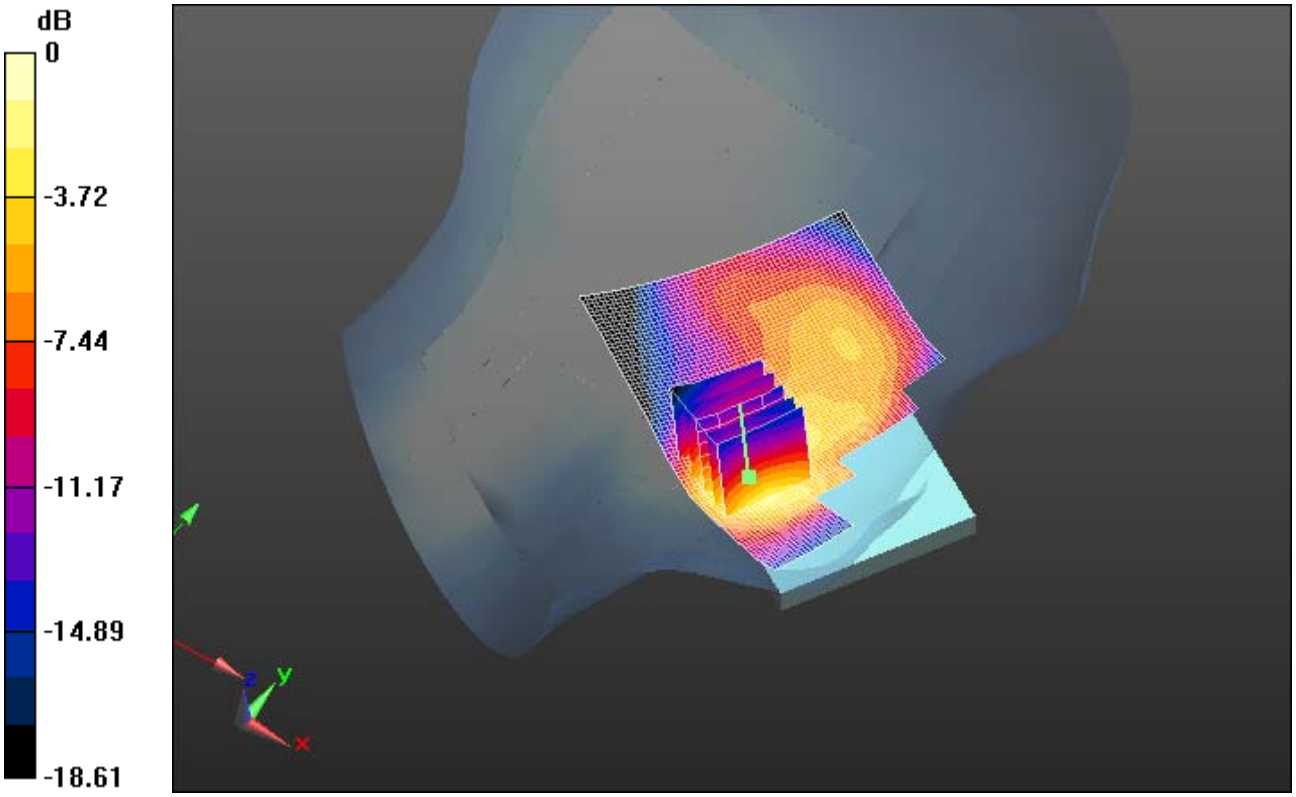
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.405 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.940 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.9720
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.645 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.433 mW/g



0 dB = 1.430mW/g = 3.11 dB mW/g

Date/Time: 12/4/2012 6:02:20 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_24.6_liq_temp_22.9C

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

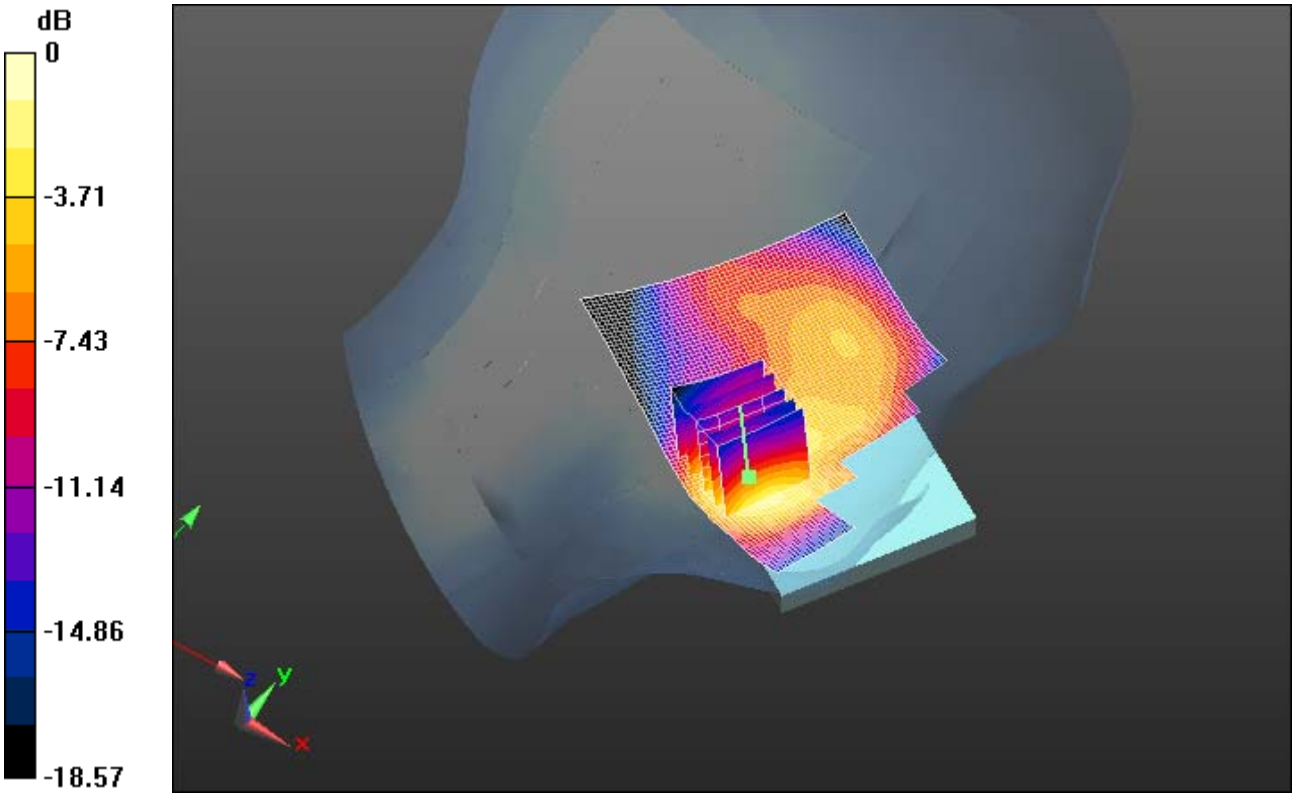
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.427 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.781 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.9960
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.645 mW/g
Maximum value of SAR (measured) = 1.418 mW/g



0 dB = 1.420mW/g = 3.05 dB mW/g

Date/Time: 12/4/2012 6:02:20 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.6_liq_temp_21.7C_2nd_scan

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

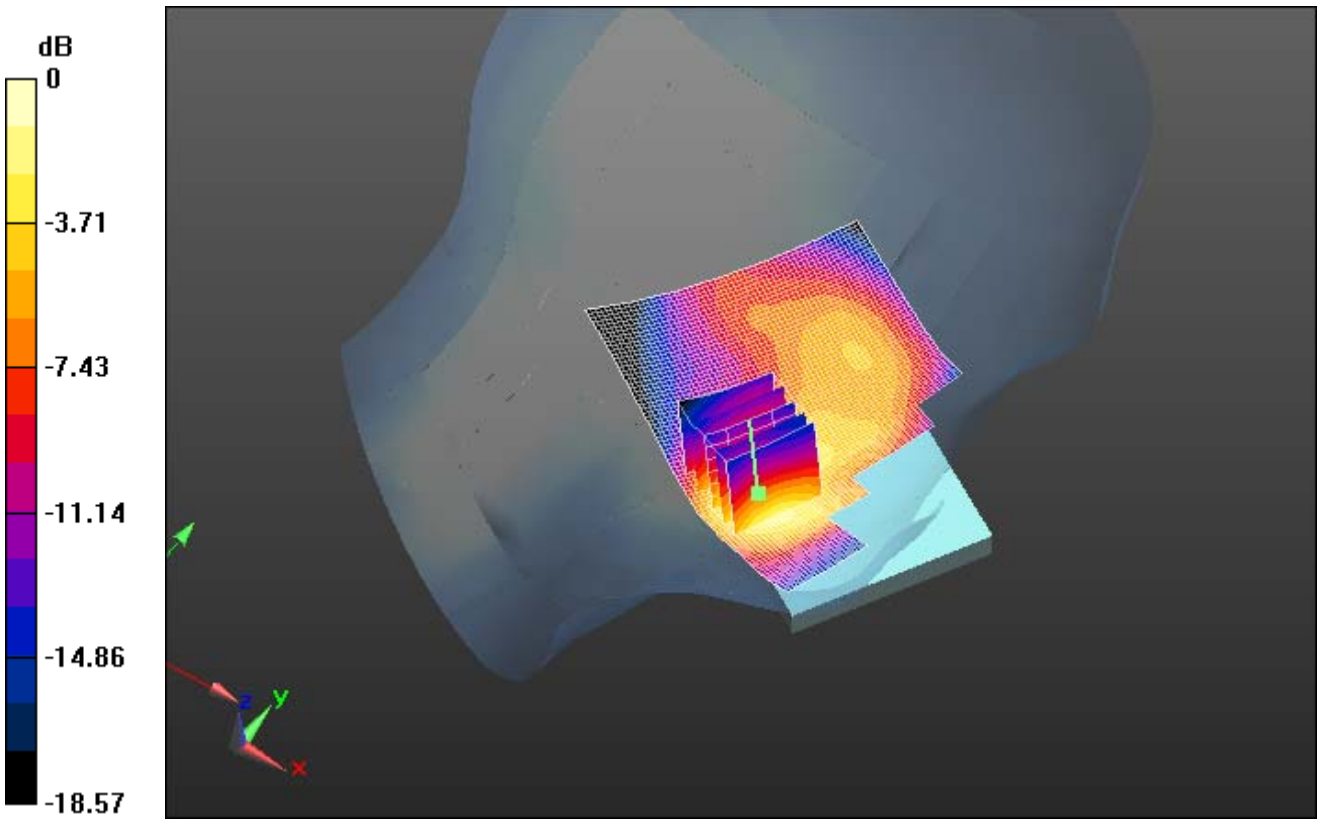
Communication System: LTE 1800_Band 4; Communication System Band: LTE 1800_Band 4; Frequency: 1745 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 1745 MHz; σ = 1.391 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.443 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.031 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.6780
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 1.264 mW/g



0 dB = 1.260mW/g = 2.01 dB mW/g

Date/Time: 1/31/2013 7:21:19 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_low_chan_QPSK_RB_50_Offset_0_amb_temp_23.4_liq_temp_21.6C

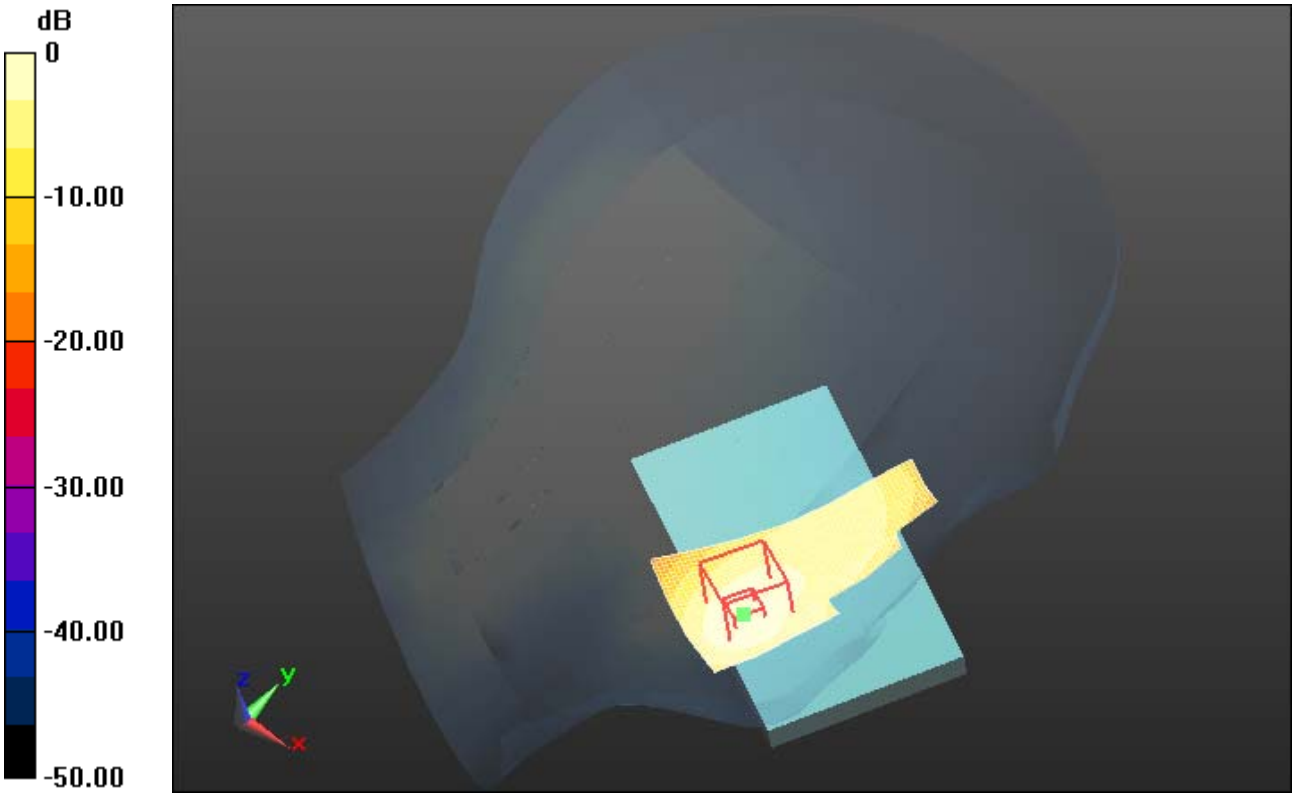
DUT: BlackBerry Smartphone; Type: Sample; Serial: 2668C71D

Communication System: LTE 4; Frequency: 1720 MHz
Medium parameters used: f = 1720 MHz; σ = 1.392 S/m; ε_r = 38.642; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.209 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.553 W/kg
Maximum value of SAR (interpolated) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

Date/Time: 1/31/2013 7:50:39 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_mid_chan_QPSK_RB_50_Offset_50_amb_temp_23.4_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2668C71D

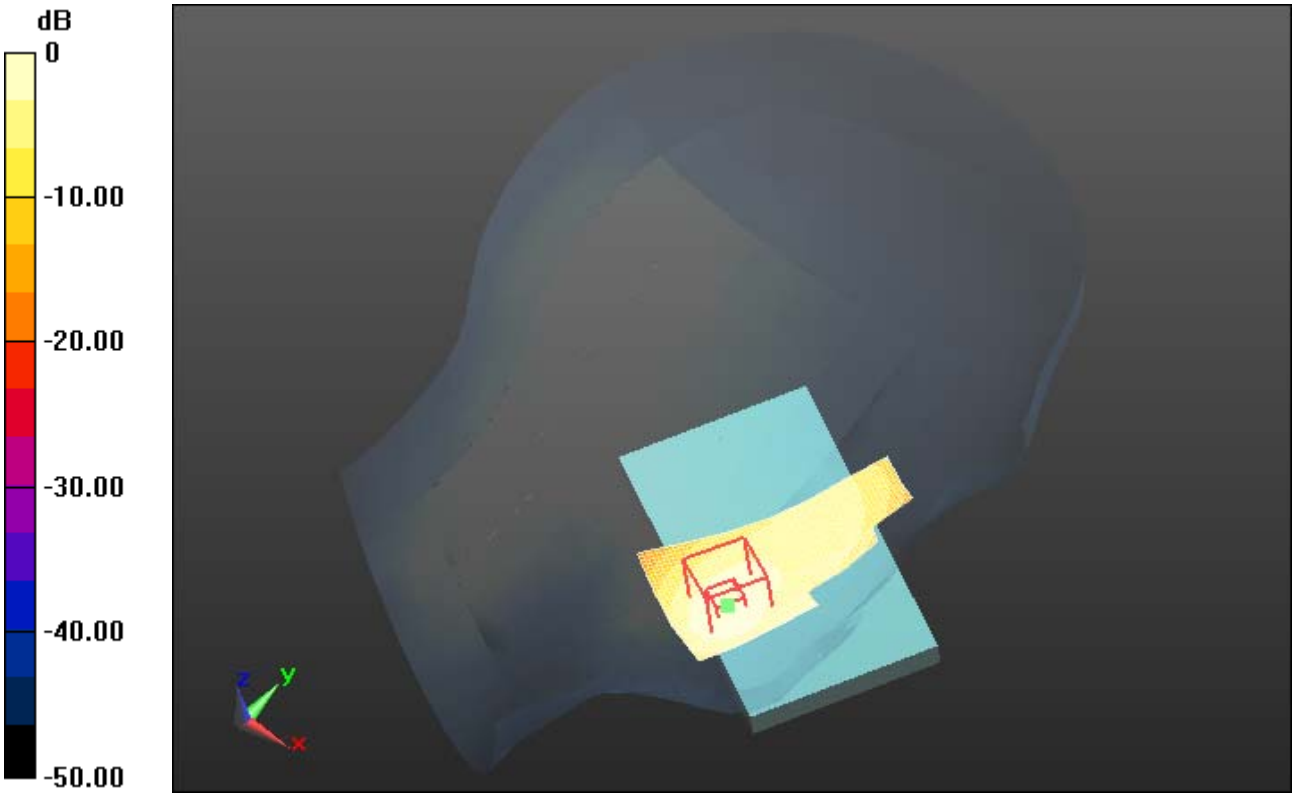
Communication System: LTE 4; Frequency: 1732.5 MHz
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.405 S/m; ε_r = 38.569; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.614 V/m; Power Drift = 0.07 dB
Fast SAR: SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.564 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

Date/Time: 1/31/2013 7:32:42 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_high_chan_QPSK_RB_50_Offset_0_amb_temp_23.4_liq_temp_21.6C

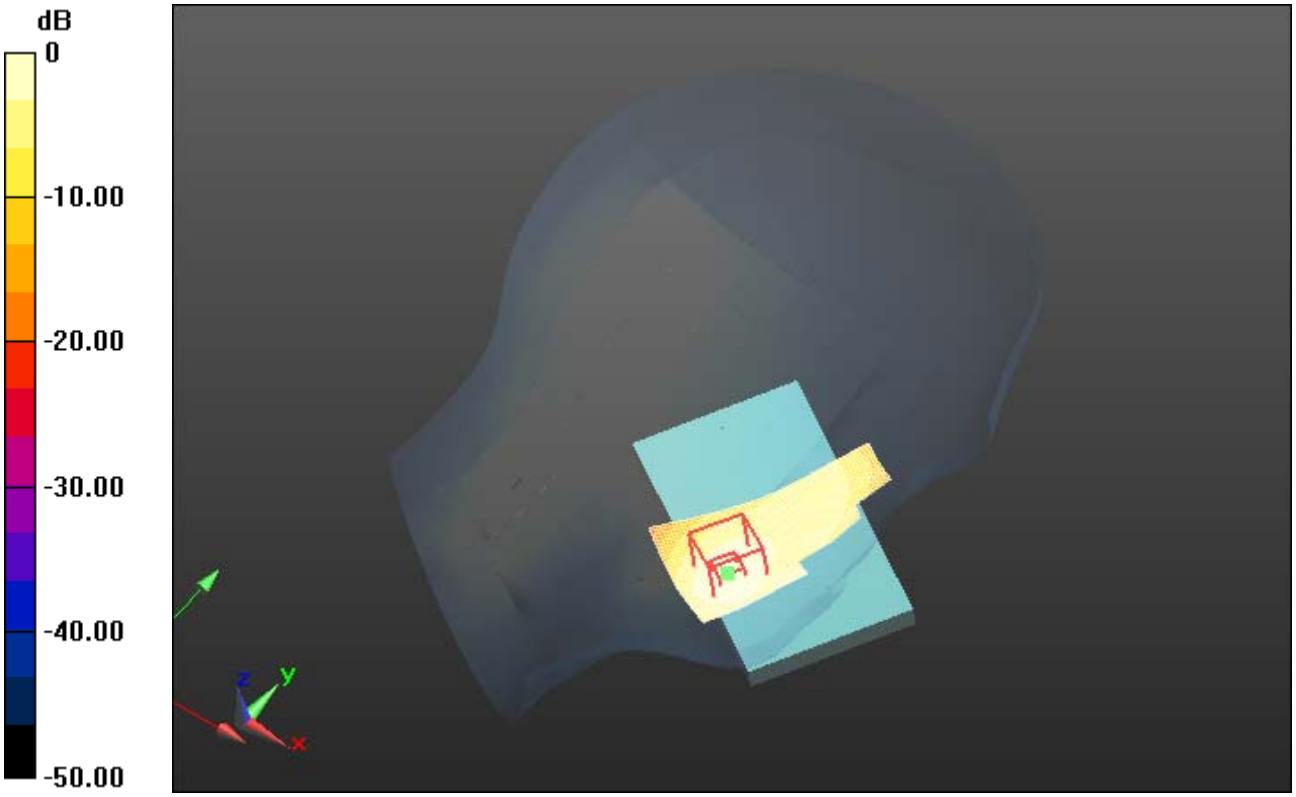
DUT: BlackBerry Smartphone; Type: Sample; Serial: 2668C71D

Communication System: LTE 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.415 S/m; ε_r = 38.513; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.965 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.579 W/kg
Maximum value of SAR (interpolated) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

Date/Time: 12/4/2012 6:46:35 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_high_chan_QPSK_RB_100_Offset_0_amb_temp_24.0_liq_temp_22.6C

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

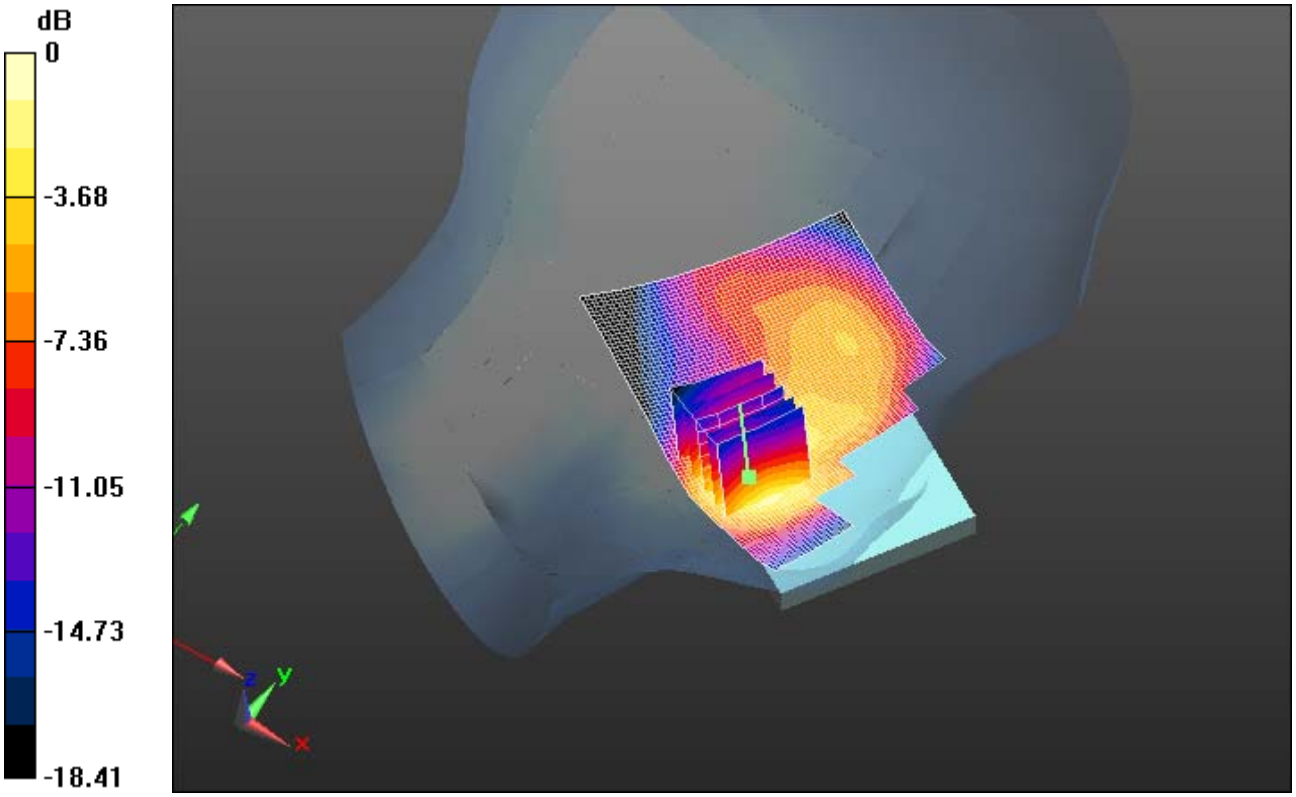
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.102 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.368 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.5140
SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.493 mW/g
Maximum value of SAR (measured) = 1.096 mW/g



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

Date/Time: 12/4/2012 9:01:47 PM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.8_liq_temp_22.1C

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

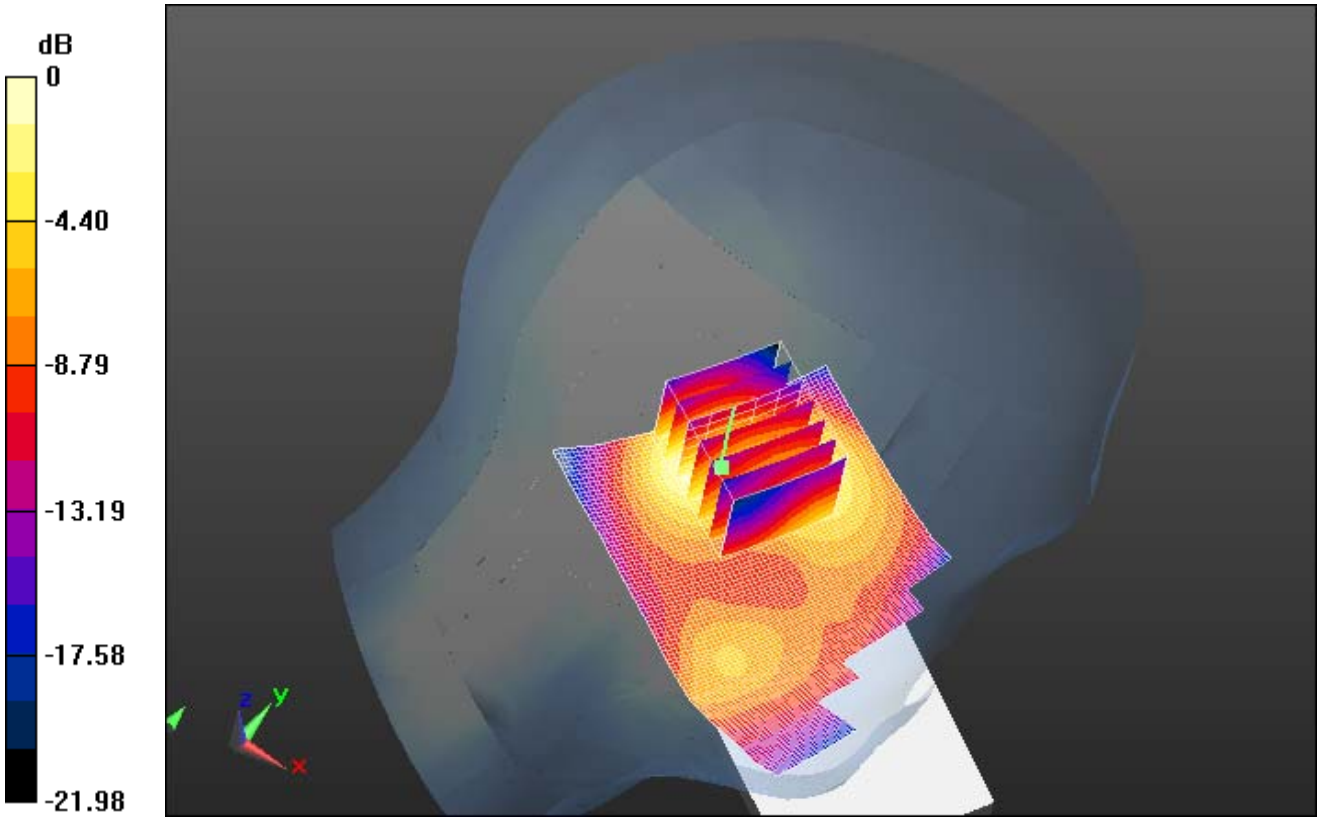
Communication System: LTE 1800_Band 4; Frequency: 1745 MHz
Medium parameters used: f = 1745 MHz; σ = 1.376 mho/m; ε_r = 38.905; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.745 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.341 V/m; Power Drift = -0.0018 dB
Peak SAR (extrapolated) = 0.9290
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.336 mW/g
Maximum value of SAR (measured) = 0.693 mW/g



0 dB = 0.690mW/g = -3.22 dB mW/g

Date/Time: 12/4/2012 6:02:20 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.6_liq_temp_21.7C_21mmA_batt

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

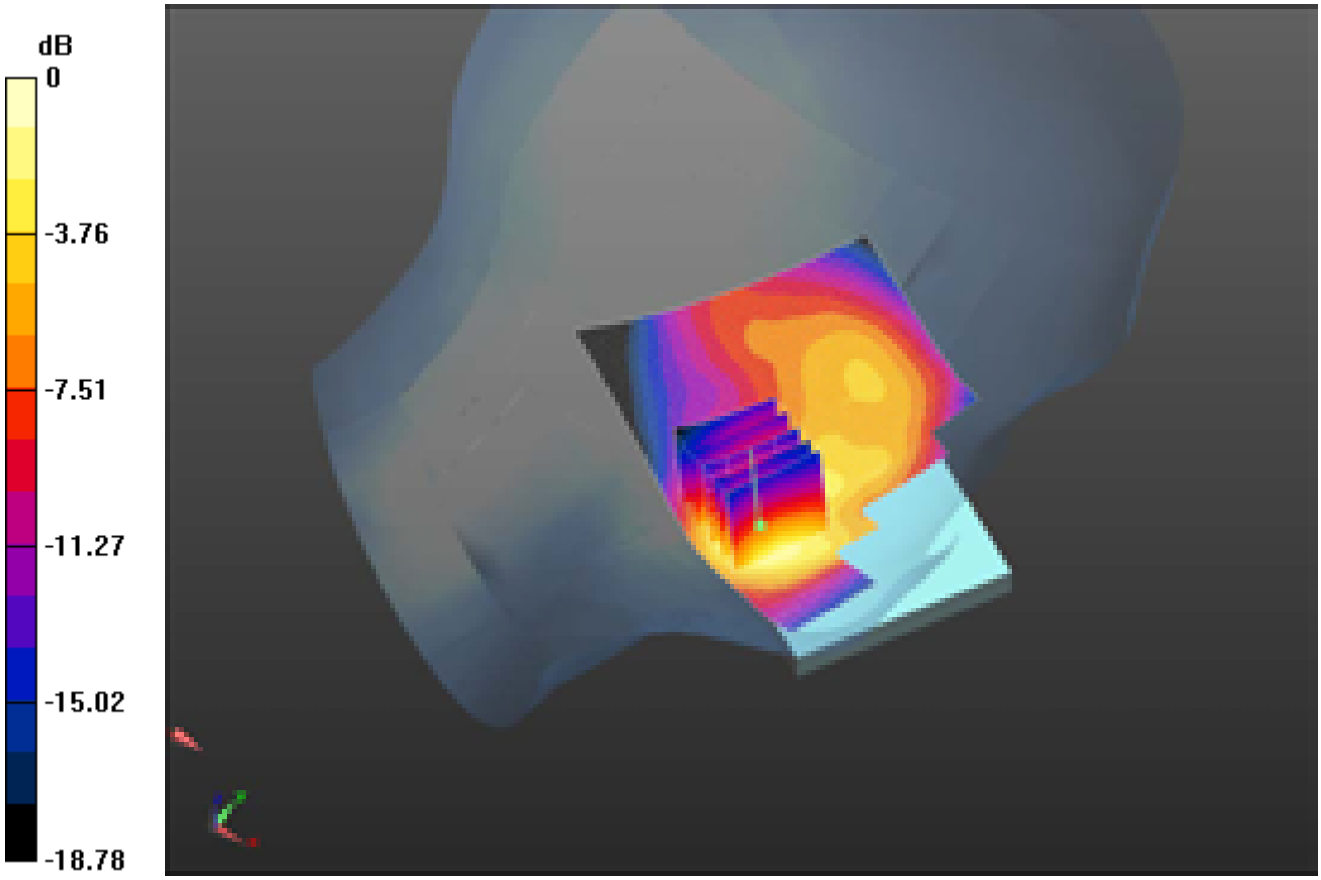
Communication System: LTE 1800_Band 4; Communication System Band: LTE 1800_Band 4; Frequency: 1745 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 1745 MHz; σ = 1.391 mho/m; ε_r = 40.478; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.443 mW/g

Configuration/LeftHandside_LTE_4_high_chan_QPSK_RB_1_Offset_99_amb_temp_23.6_liq_temp_21.7C_2100mA_batt/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.911 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.9820
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.630 mW/g
Maximum value of SAR (measured) = 1.422 mW/g



0 dB = 1.420mW/g = 3.05 dB mW/g

LTE 2

Date/Time: 12/3/2012 9:43:05 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_2_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.8_liq_temp_21.9C

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

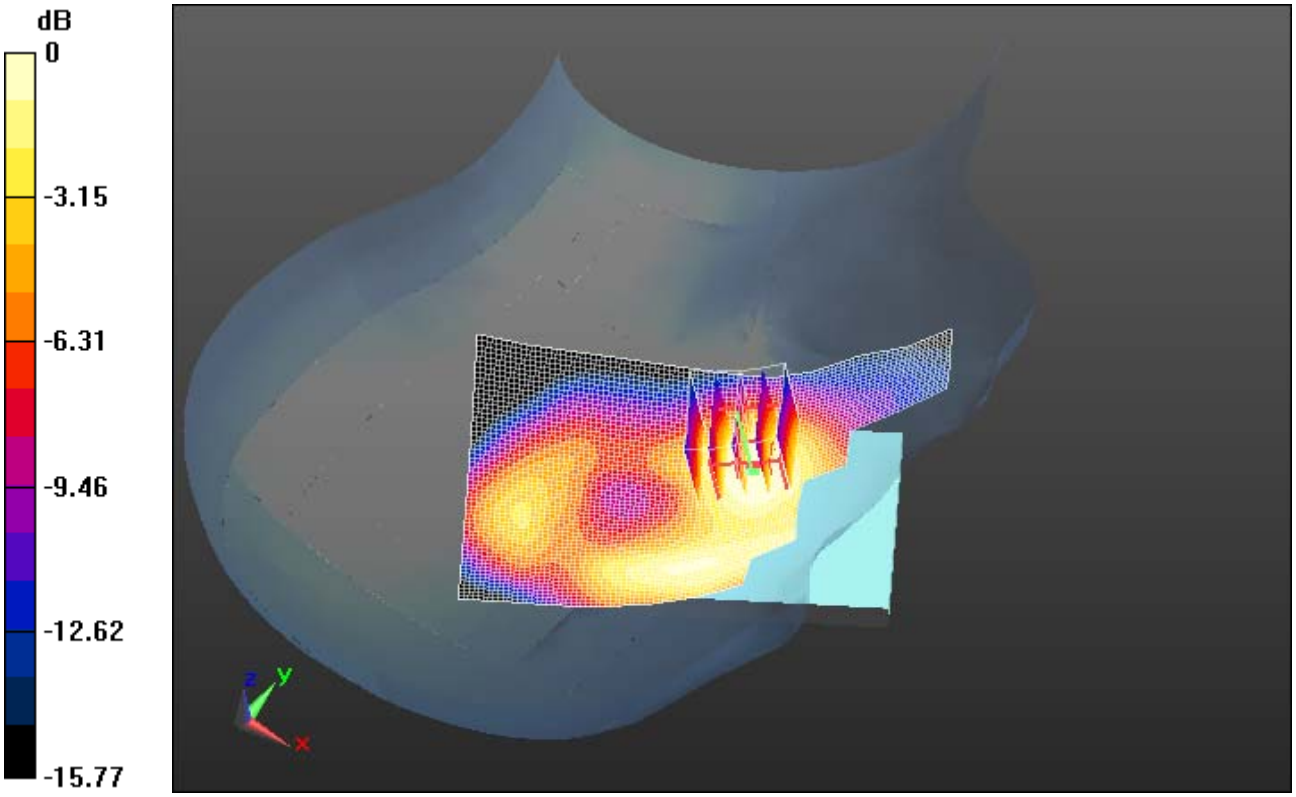
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.603 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.800 V/m; Power Drift = 0.36 dB
Peak SAR (extrapolated) = 0.6800
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.534 mW/g



0 dB = 0.530mW/g = -5.51 dB mW/g

Date/Time: 12/3/2012 10:11:59 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_2_mid_chan_QPSK_RB_1_Offset_99_amb_temp_23.8_liq_temp_21.8C

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

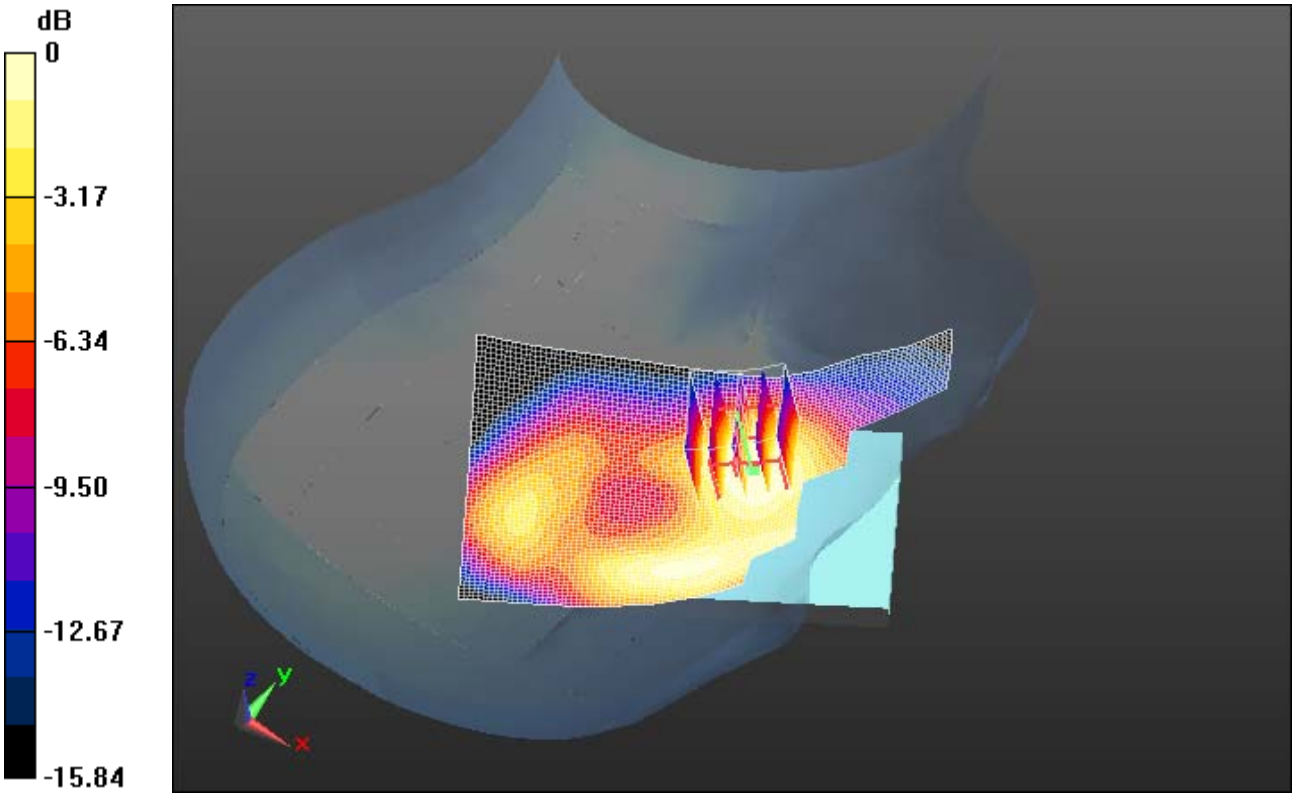
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.611 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.359 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.6820
SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.525 mW/g



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

Date/Time: 12/3/2012 10:49:14 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_2_mid_chan_QPSK_RB_50_Offset_0_amb_temp_23.8_liq_temp_21.7C

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

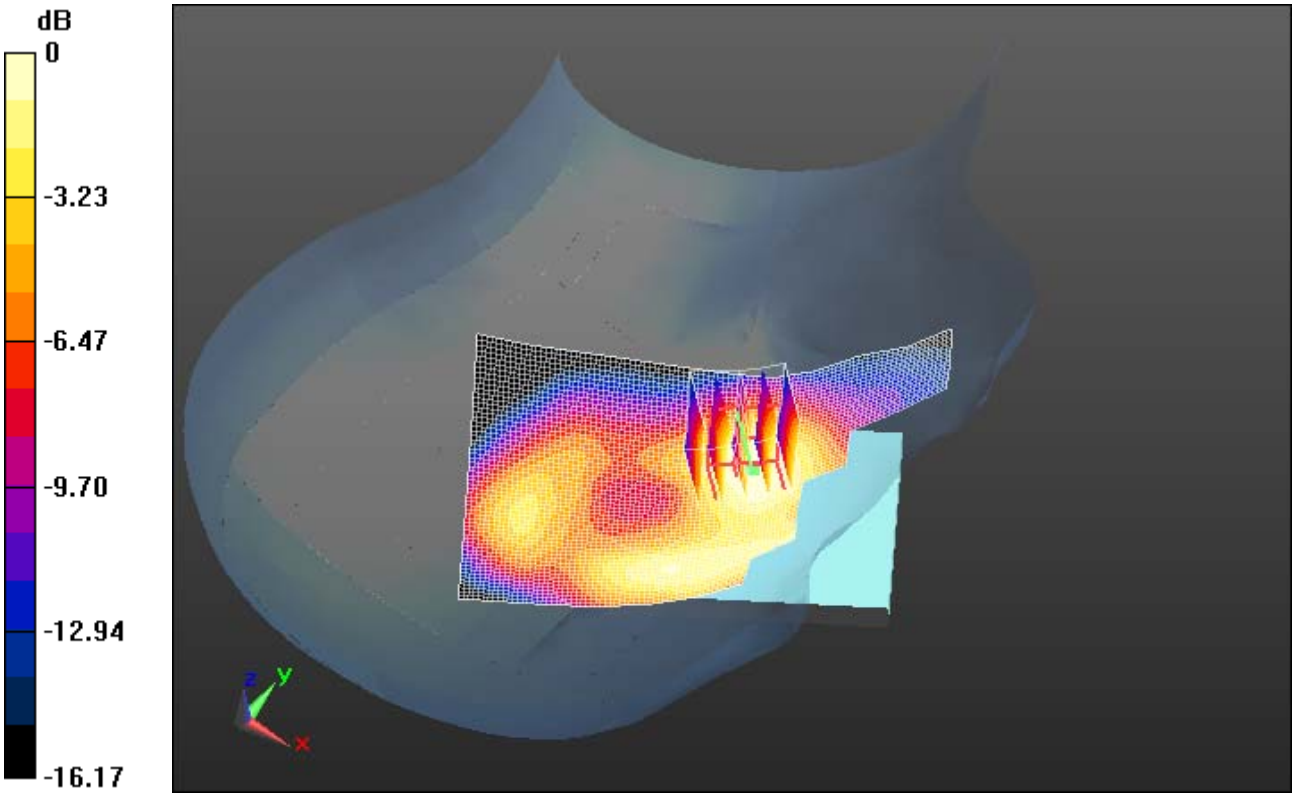
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.463 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.847 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.5330
SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.414 mW/g



0 dB = 0.410mW/g = -7.74 dB mW/g

Date/Time: 12/4/2012 12:00:48 AM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_2_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.9_liq_temp_21.9C

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

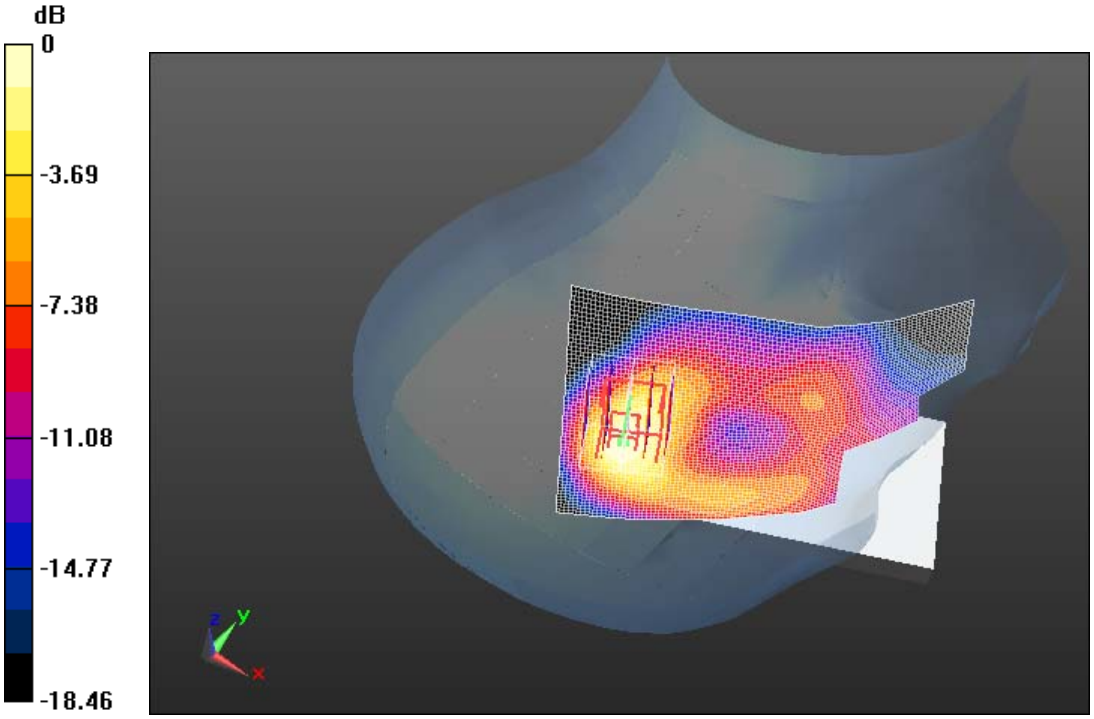
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.558 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.262 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.7470
SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.539 mW/g



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

Date/Time: 12/3/2012 5:48:55 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.5_liq_temp_22.8C

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

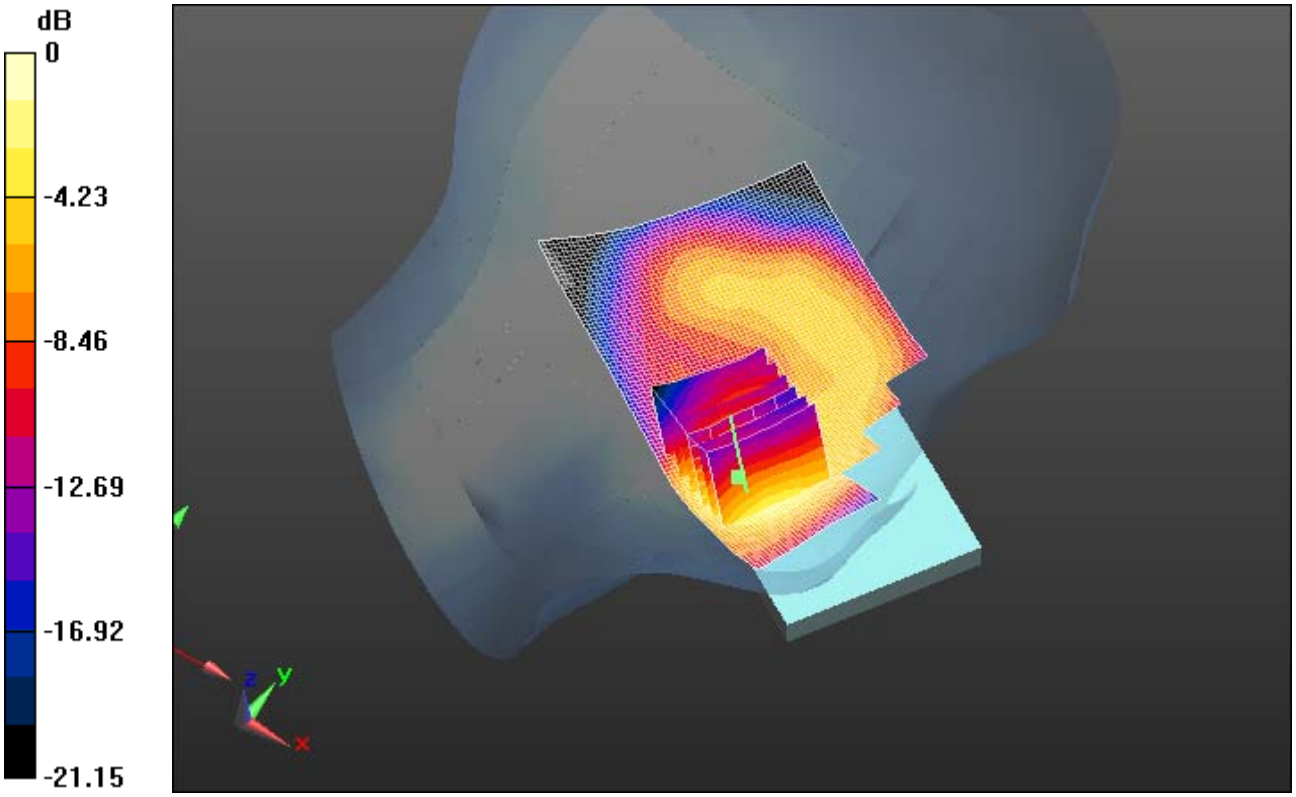
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.886 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.209 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.2200
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 0.888 mW/g



0 dB = 0.890mW/g = -1.01 dB mW/g

Date/Time: 12/3/2012 6:09:52 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_mid_chan_QPSK_RB_1_Offset_99_amb_temp_23.6_liq_temp_22.7C

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

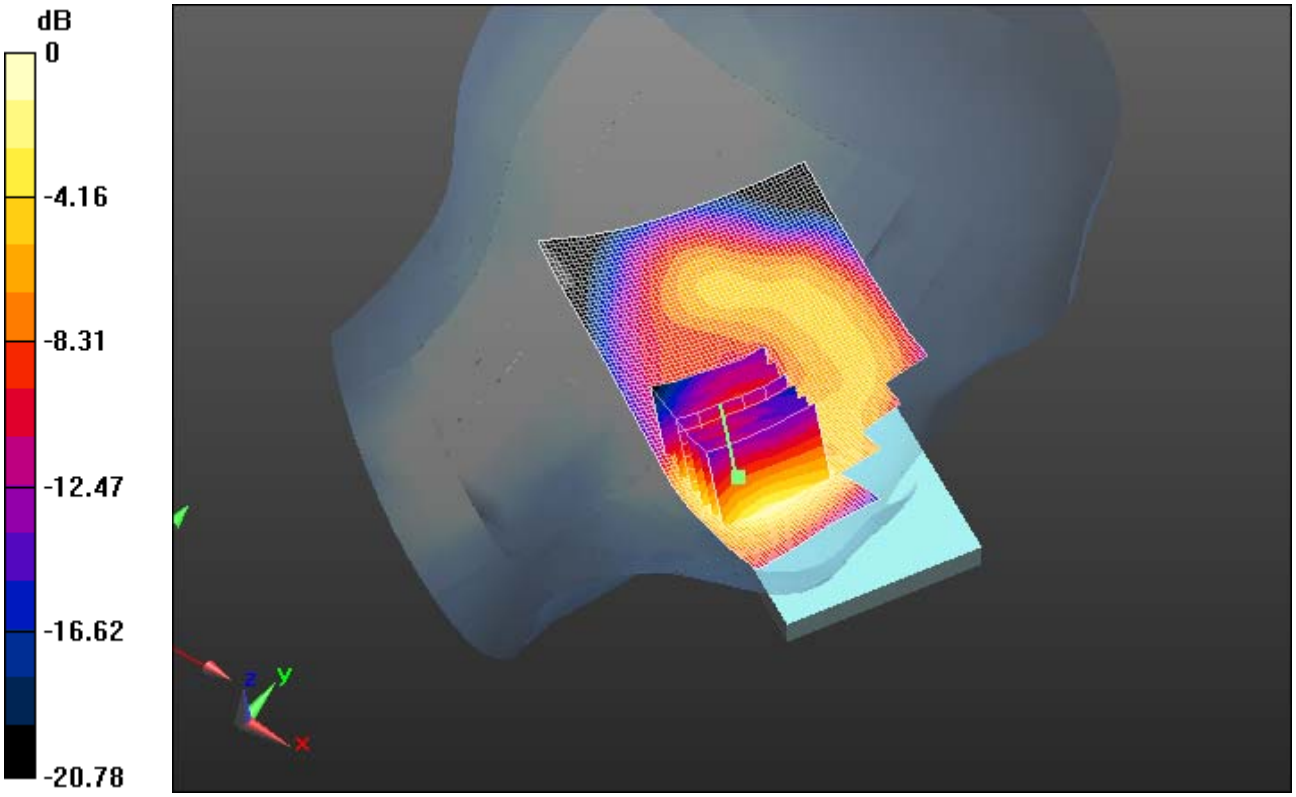
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.884 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.603 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.2190
SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 0.885 mW/g



0 dB = 0.890mW/g = -1.01 dB mW/g

Date/Time: 12/3/2012 7:30:51 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_mid_chan_QPSK_RB_50_Offset_0_amb_temp_23.9_liq_temp_22.6C

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

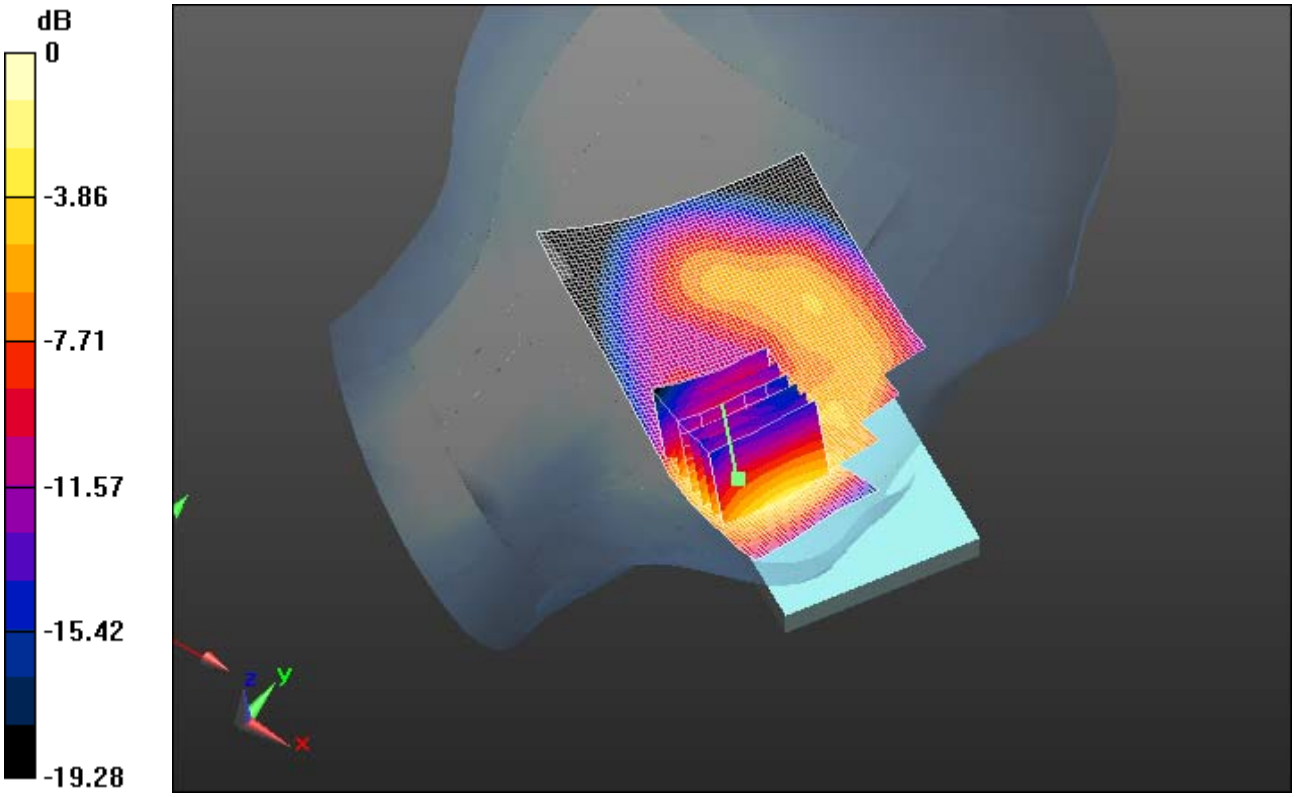
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.732 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.665 V/m; Power Drift = -0.0049 dB
Peak SAR (extrapolated) = 1.0230
SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 0.728 mW/g



0 dB = 0.730mW/g = -2.73 dB mW/g

Date/Time: 12/3/2012 8:54:17 PM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_2_mid_chan_QPSK_RB_1_Offset_0_amb_temp_24.1_liq_temp_22.9C

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

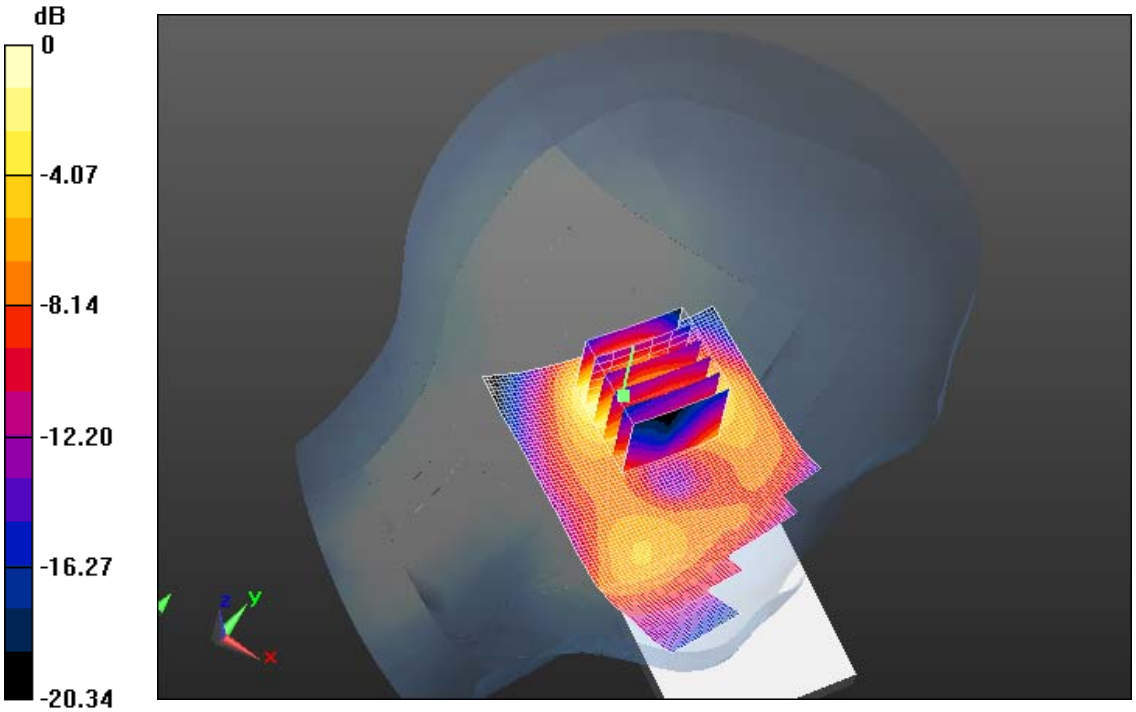
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.559 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.600 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.6800
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.508 mW/g



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

Date/Time: 12/4/2012 1:48:33 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_low_chan_QPSK_RB_1_Offset_0_amb_temp_24.1_liq_temp_22.6C_2100

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

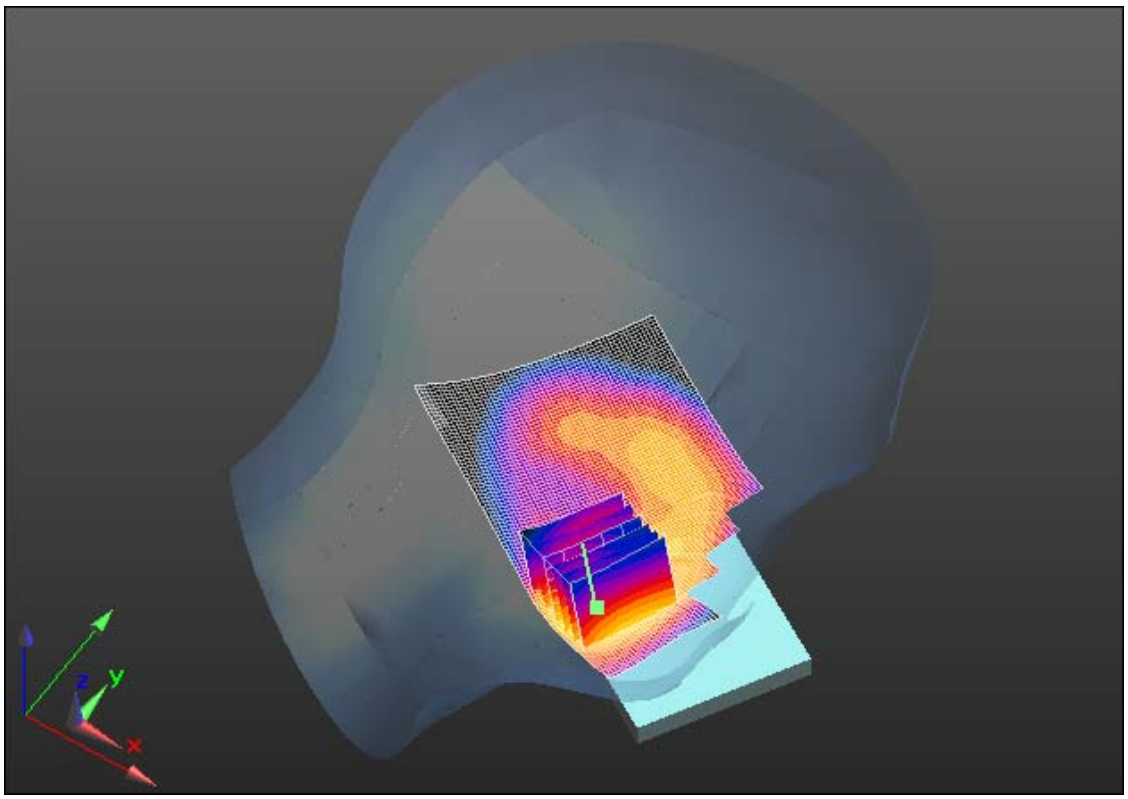
Communication System: LTE 1900_Band 2; Frequency: 1860 MHz
Medium parameters used: f = 1860 MHz; σ = 1.363 mho/m; ε_r = 41.115; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.110 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.259 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.4920
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.492 mW/g
Maximum value of SAR (measured) = 1.085 mW/g



0 dB = 1.090mW/g = 0.75 dB mW/g

Date/Time: 12/4/2012 1:28:47 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_mid_chan_QPSK_RB_1_Offset_0_amb_temp_24.0_liq_temp_22.6C_2100

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

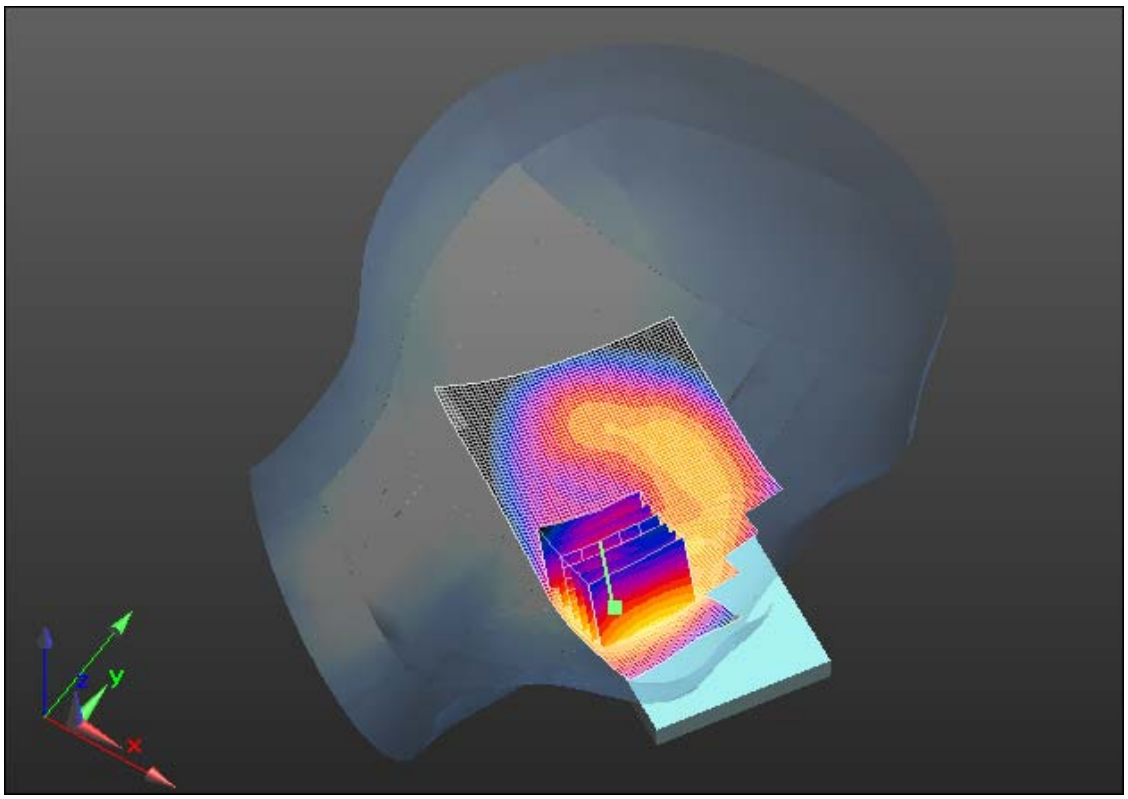
Communication System: LTE 1900_Band 2; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 40.971; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.038 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.630 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.4550
SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.474 mW/g
Maximum value of SAR (measured) = 1.072 mW/g



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

Date/Time: 12/4/2012 2:09:40 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_high_chan_QPSK_RB_1_Offset_0_amb_temp_24.1_liq_temp_22.6C_2100

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

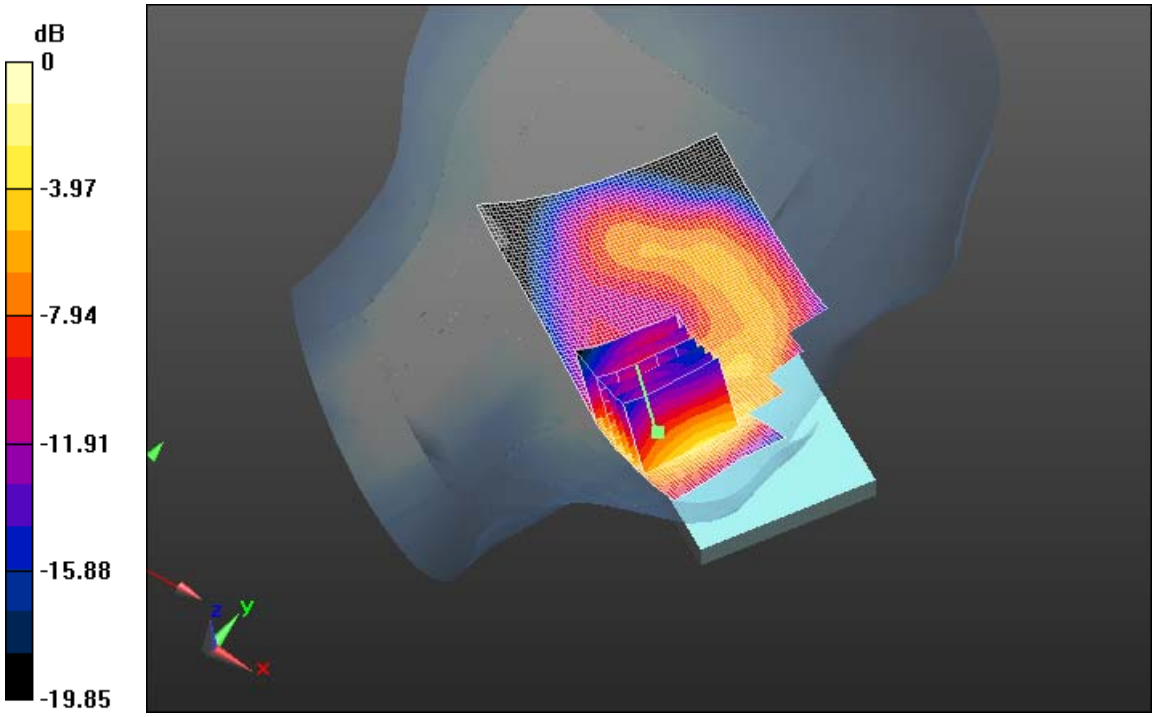
Communication System: LTE 1900_Band 2; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.398 mho/m; ε_r = 40.853; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.099 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.406 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.5460
SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.488 mW/g
Maximum value of SAR (measured) = 1.099 mW/g



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

Date/Time: 12/4/2012 2:39:49 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_high_chan_2nd

Scan_QPSK_RB_1_Offset_0_amb_temp_24.1_liq_temp_22.6C_2100

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

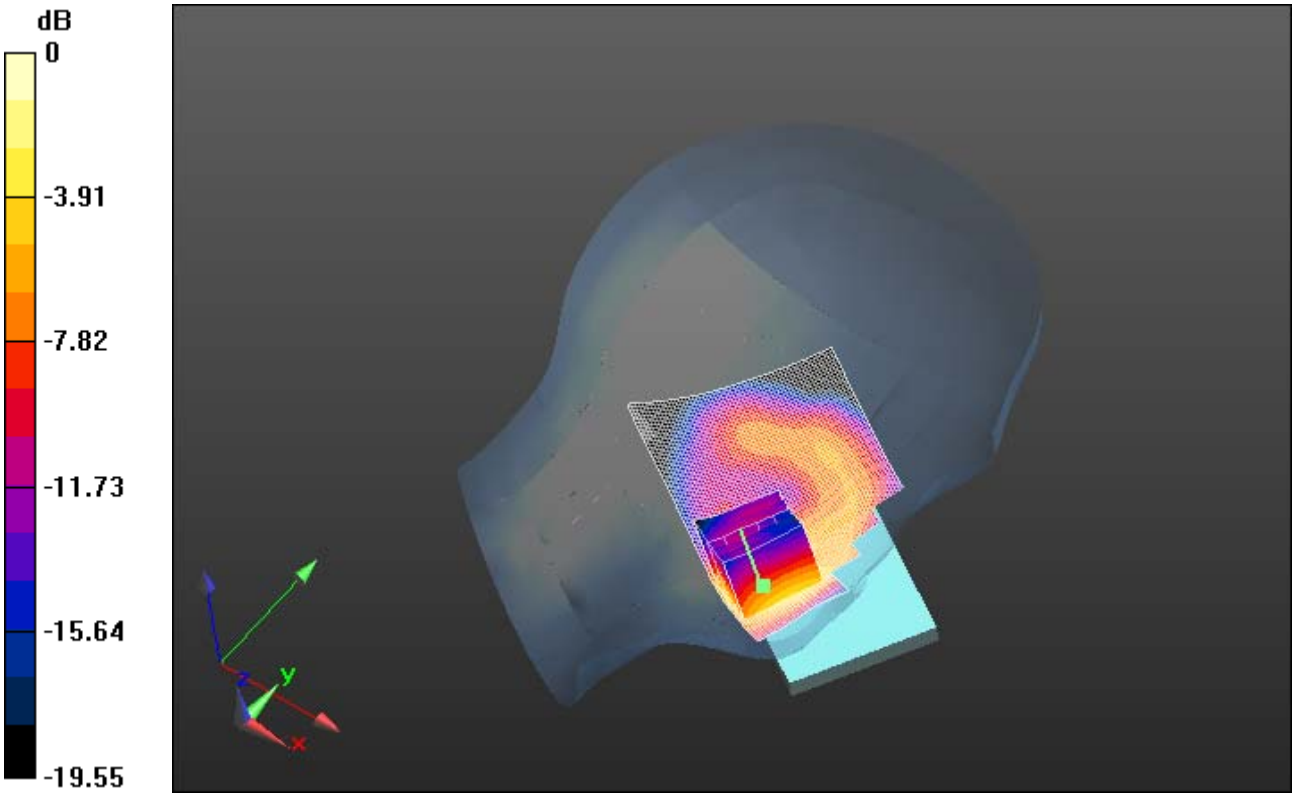
Communication System: LTE 1900_Band 2; Communication System Band: LTE 1900_Band 2; Frequency: 1900 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 1900 MHz; σ = 1.398 S/m; ε_r = 40.853; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.440 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.505 W/kg
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Date/Time: 1/29/2013 8:32:43 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_mid_chan_2100mA_Batt_QPSK_RB_50_Offset_0 _amb_temp_23.1_liq_temp_21.5C

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

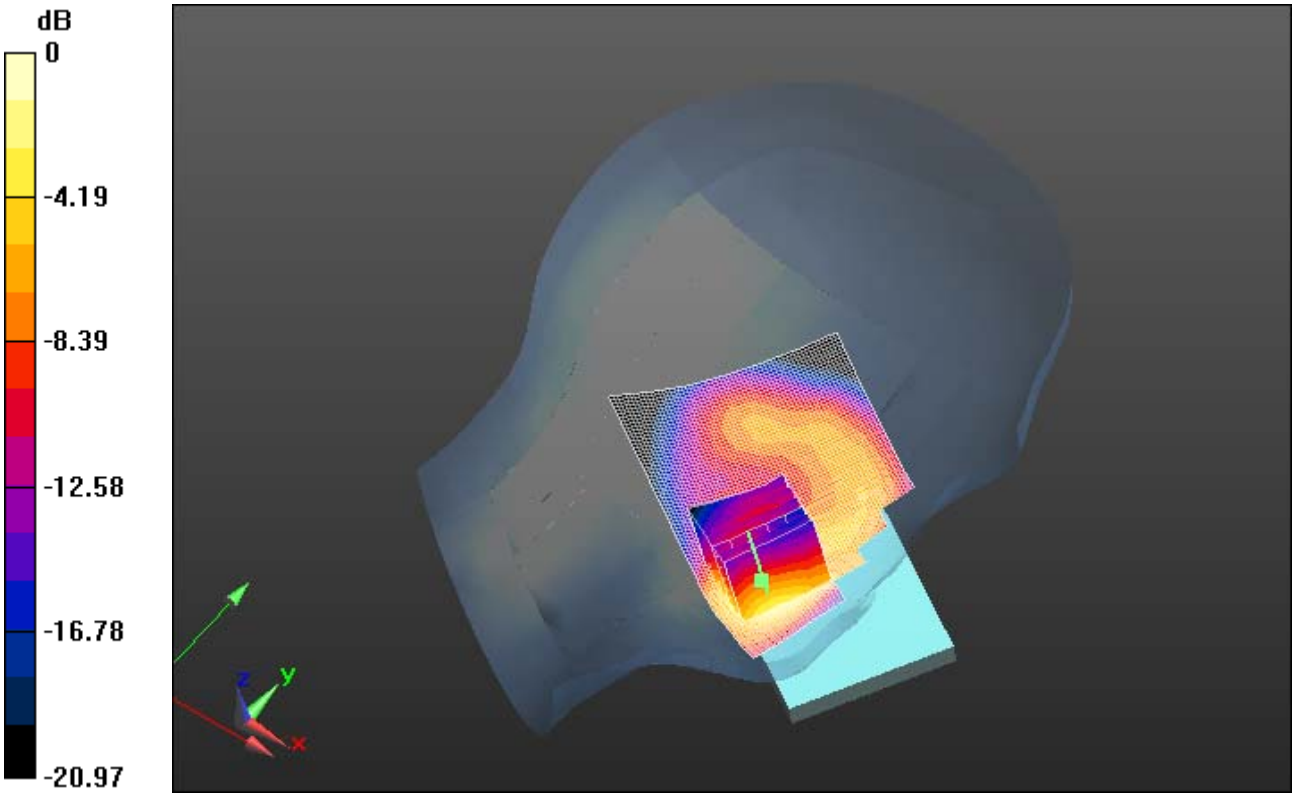
Communication System: LTE band 2; Communication System Band: LTE band 2;
Frequency: 1880 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 1880 MHz; σ = 1.359 S/m; ε_r = 38.393; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x101x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.697 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.392 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 0.723 W/kg



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

Date/Time: 1/29/2013 9:16:00 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_2_low_chan_2100mA_Batt_QPSK_RB_100_Offset_0_amb_temp_23.1_liq_temp_21.5C

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

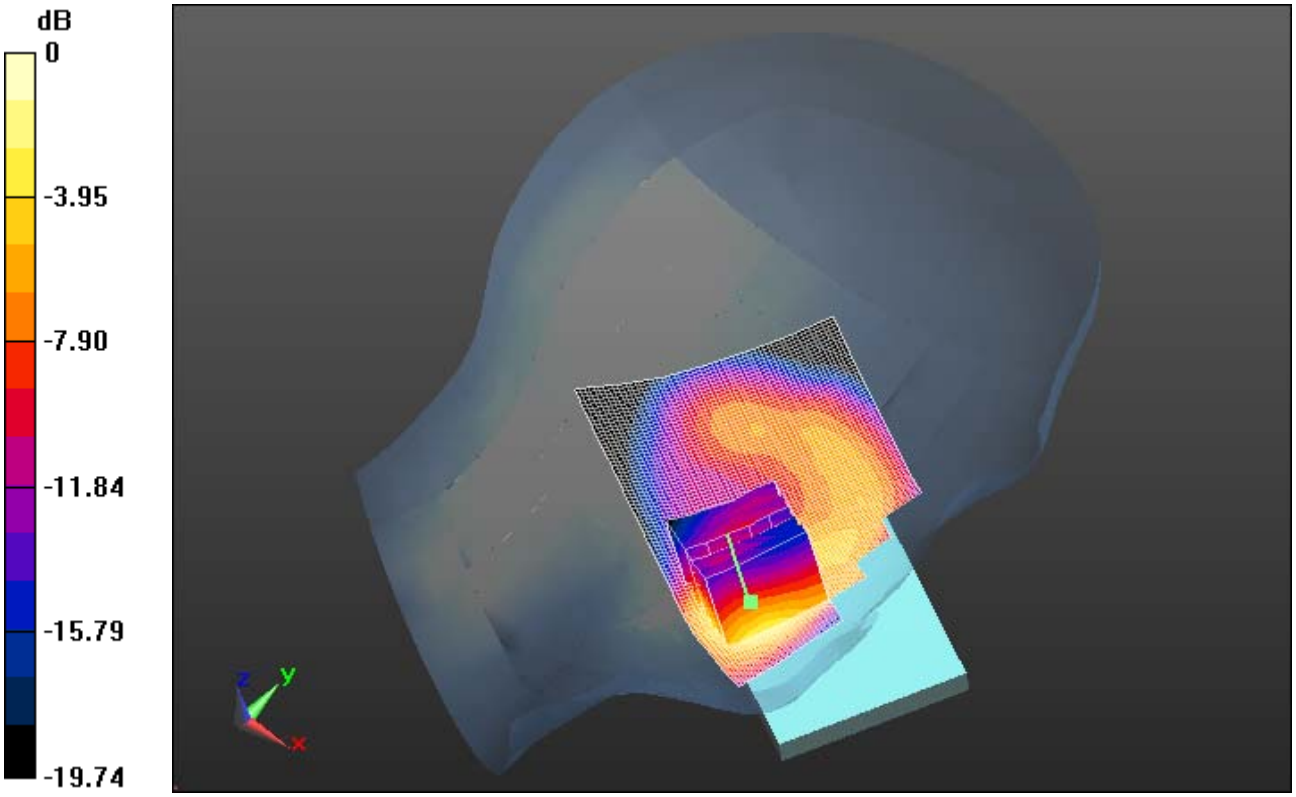
Communication System: LTE band 2; Communication System Band: LTE band 2;
Frequency: 1860 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 1860 MHz; σ = 1.34 S/m; ε_r = 38.49; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x101x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.683 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.471 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg = -1.58 dBW/kg

EDGE 1900

Date/Time: 11/26/2012 6:26:22 PM

Test Laboratory: RIM Testing Services

RightHandSide_DTM/EDGE1900_mid_chan_amb_temp_23.8C_liq_temp_21.6C

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

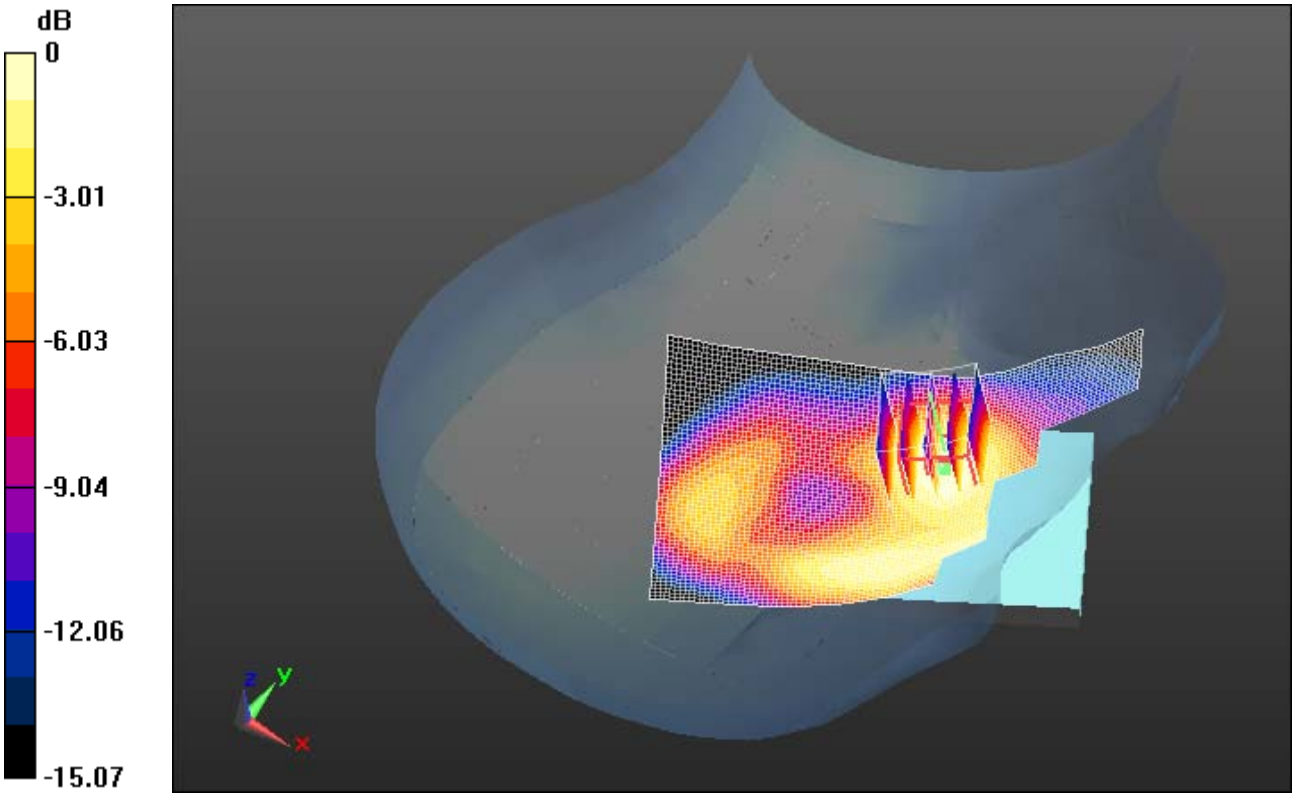
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.615 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.841 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.7160
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 0.549 mW/g



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

Date/Time: 11/26/2012 7:08:16 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_DTM/EDGE1900_mid_chan_amb_temp_23.8C_liq_temp_21.6C

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

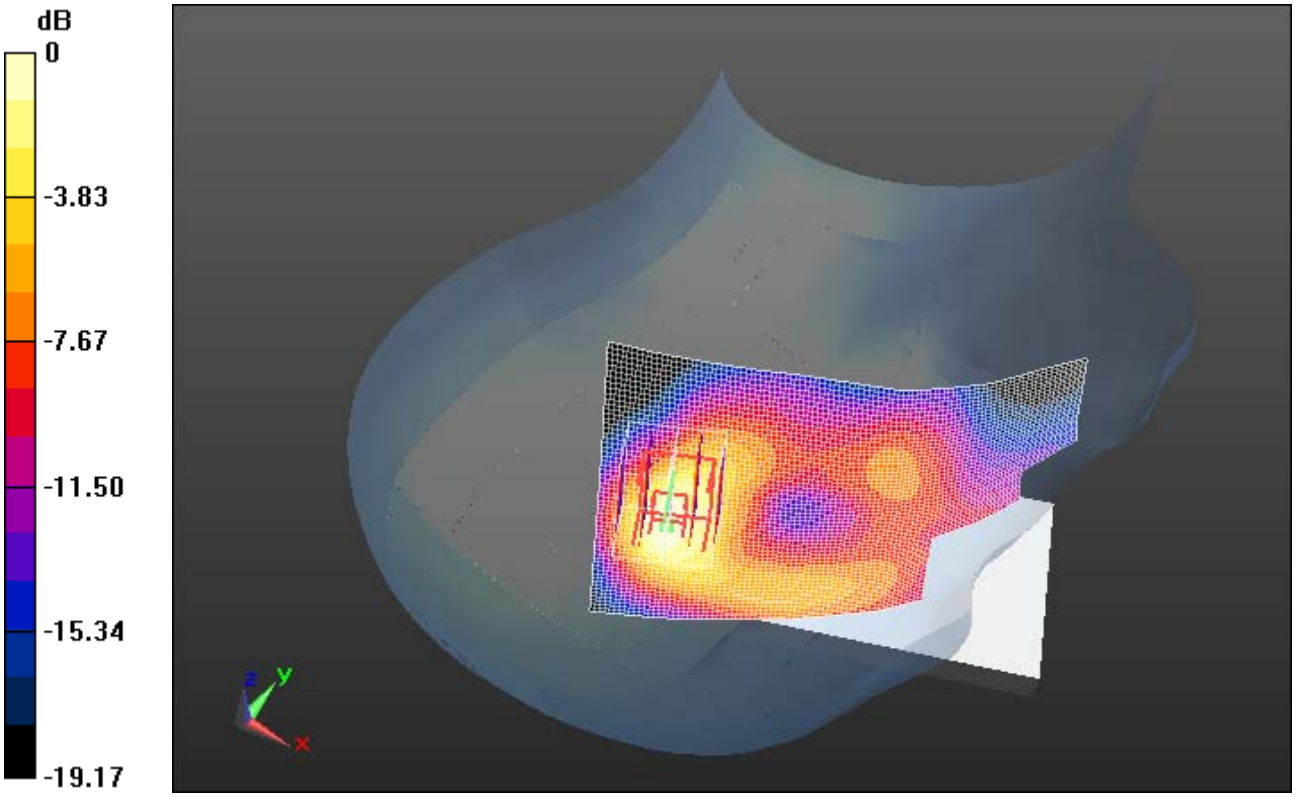
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.553 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.811 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.7270
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.221 mW/g
Maximum value of SAR (measured) = 0.528 mW/g



0 dB = 0.530mW/g = -5.51 dB mW/g

Date/Time: 11/26/2012 7:41:10 PM

Test Laboratory: RIM Testing Services

RightHandSide_GSM1900_mid_chan_amb_temp_24.3C_liq_temp_21.6 C

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

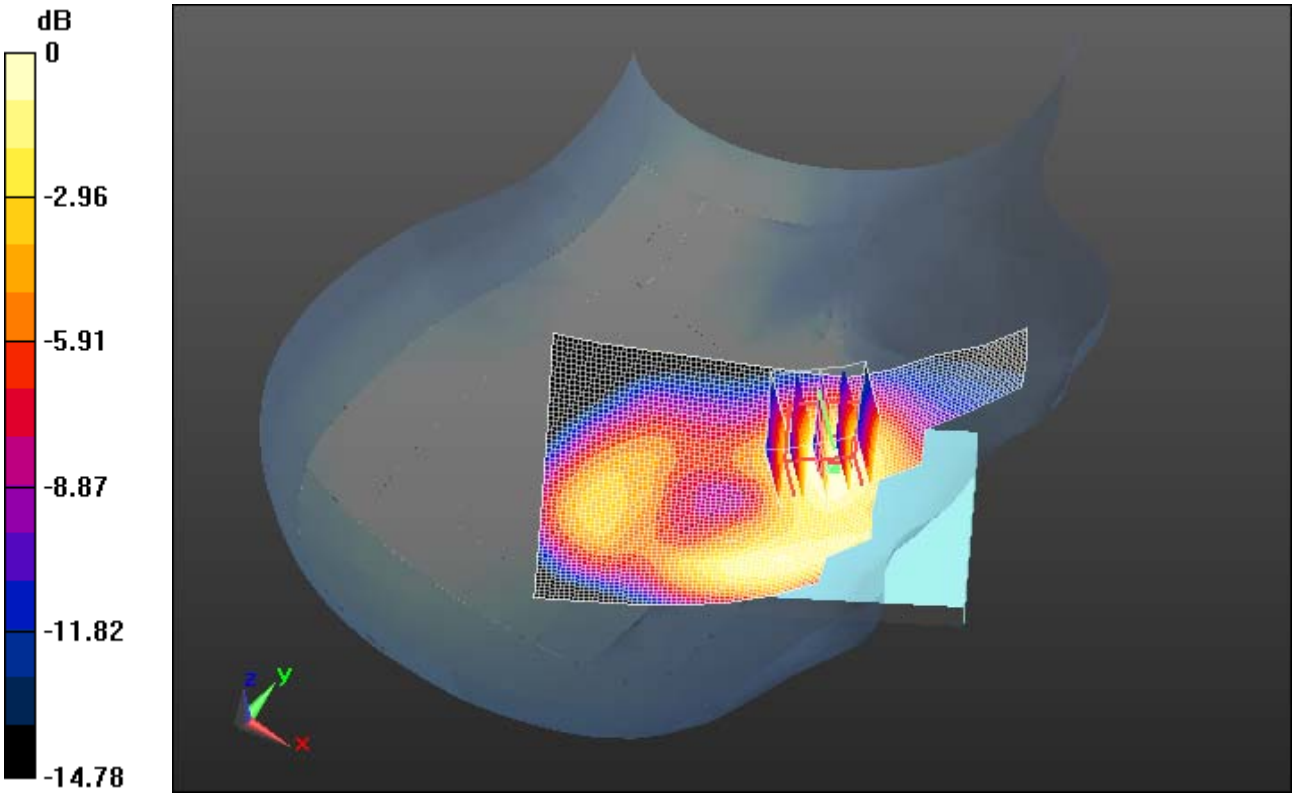
Communication System: GSM 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.498 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.773 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.5590
SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.446 mW/g



0 dB = 0.450mW/g = -6.94 dB mW/g

Date/Time: 11/26/2012 3:23:50 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_low_chan_amb_temp_24.1C_liq_temp_22.5C

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

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 39.105; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

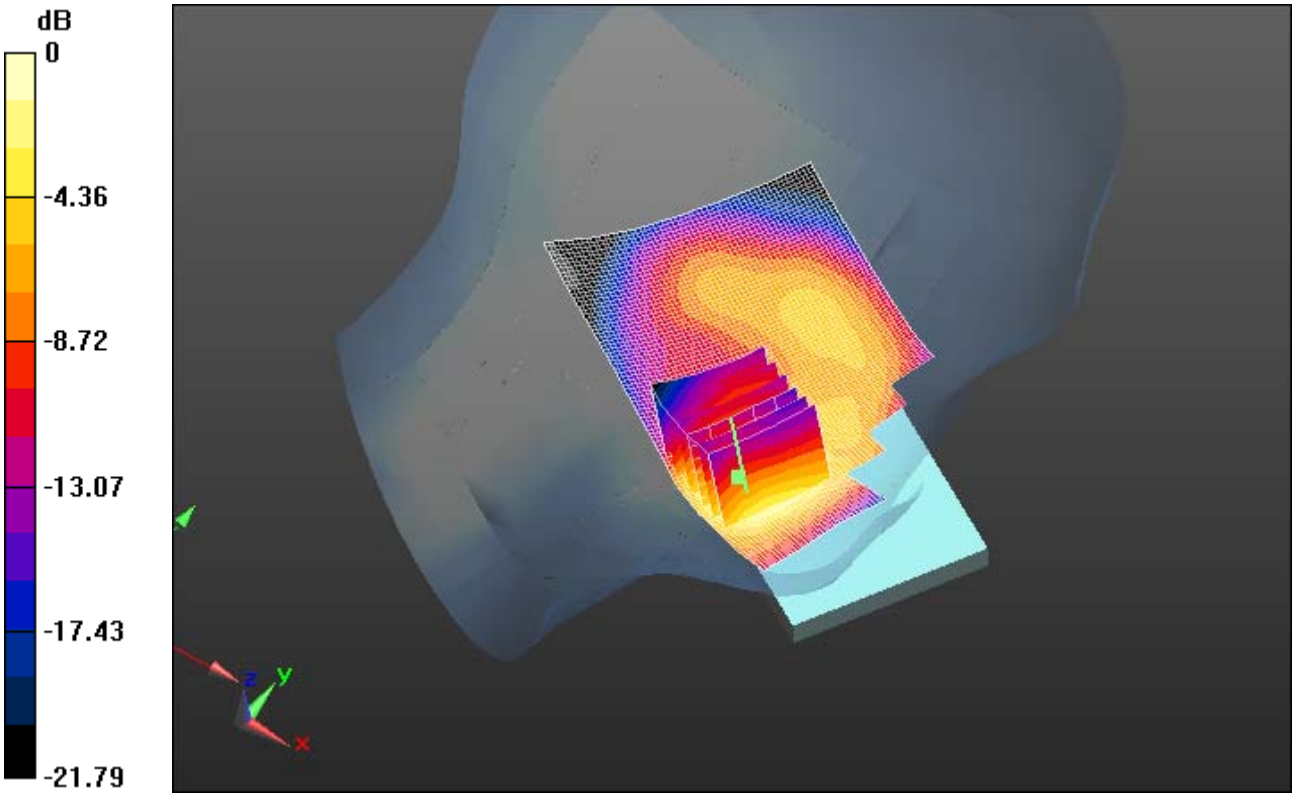
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.132 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.361 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.5110
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.515 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.101 mW/g



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

Date/Time: 11/29/2012 10:02:03 AM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_low_chan_amb_temp_24.1C_liq_temp_22.5C_2nd

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

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

DASY Configuration:

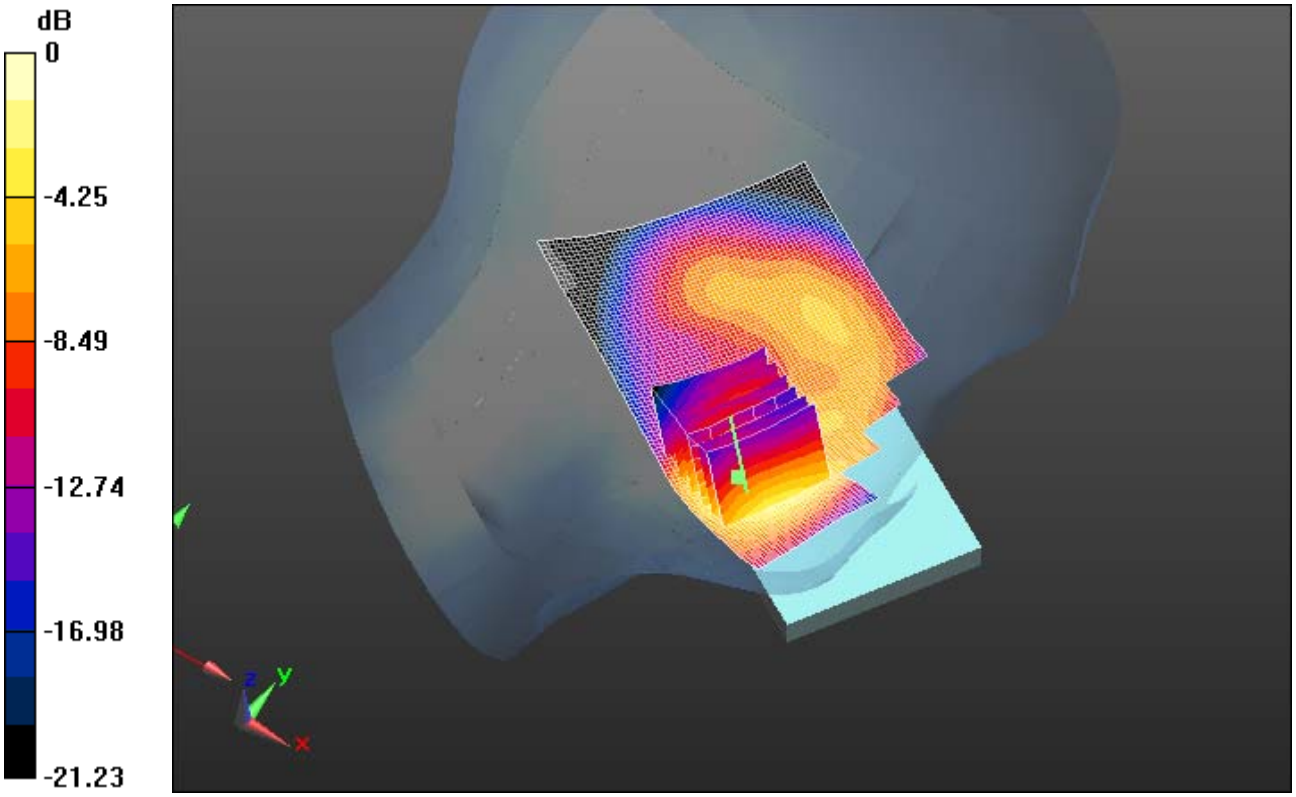
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.121 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.779 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.6460
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.524 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.144 mW/g



0 dB = 1.140mW/g = 1.14 dB mW/g

Date/Time: 11/26/2012 3:07:28 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_mid_chan_amb_temp_24.1C_liq_temp_22.5C

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

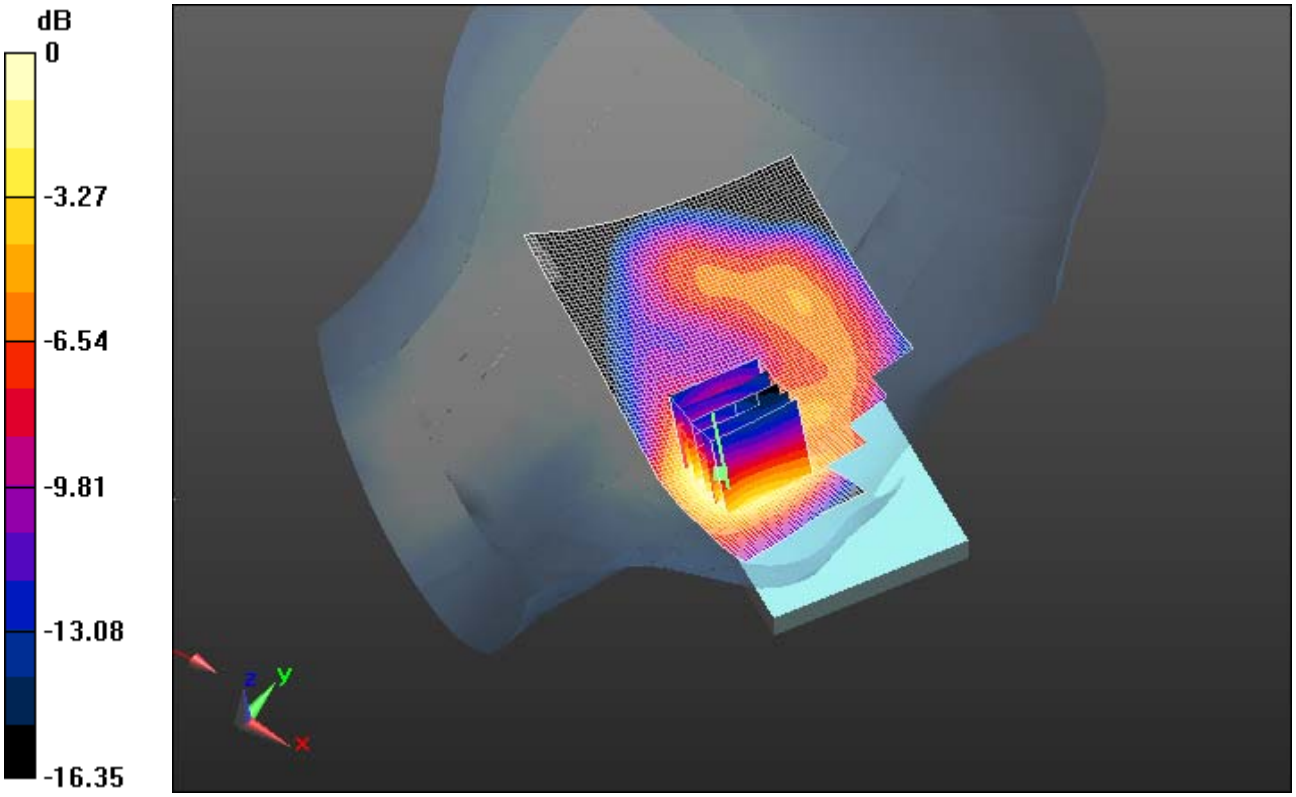
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.026 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.869 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.4290
SAR(1 g) = 0.846 mW/g; SAR(10 g) = 0.461 mW/g
Maximum value of SAR (measured) = 1.032 mW/g



0 dB = 1.030mW/g = 0.26 dB mW/g

Date/Time: 11/26/2012 3:43:18 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_high_chan_amb_temp_24.1C_liq_temp_22.6C

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

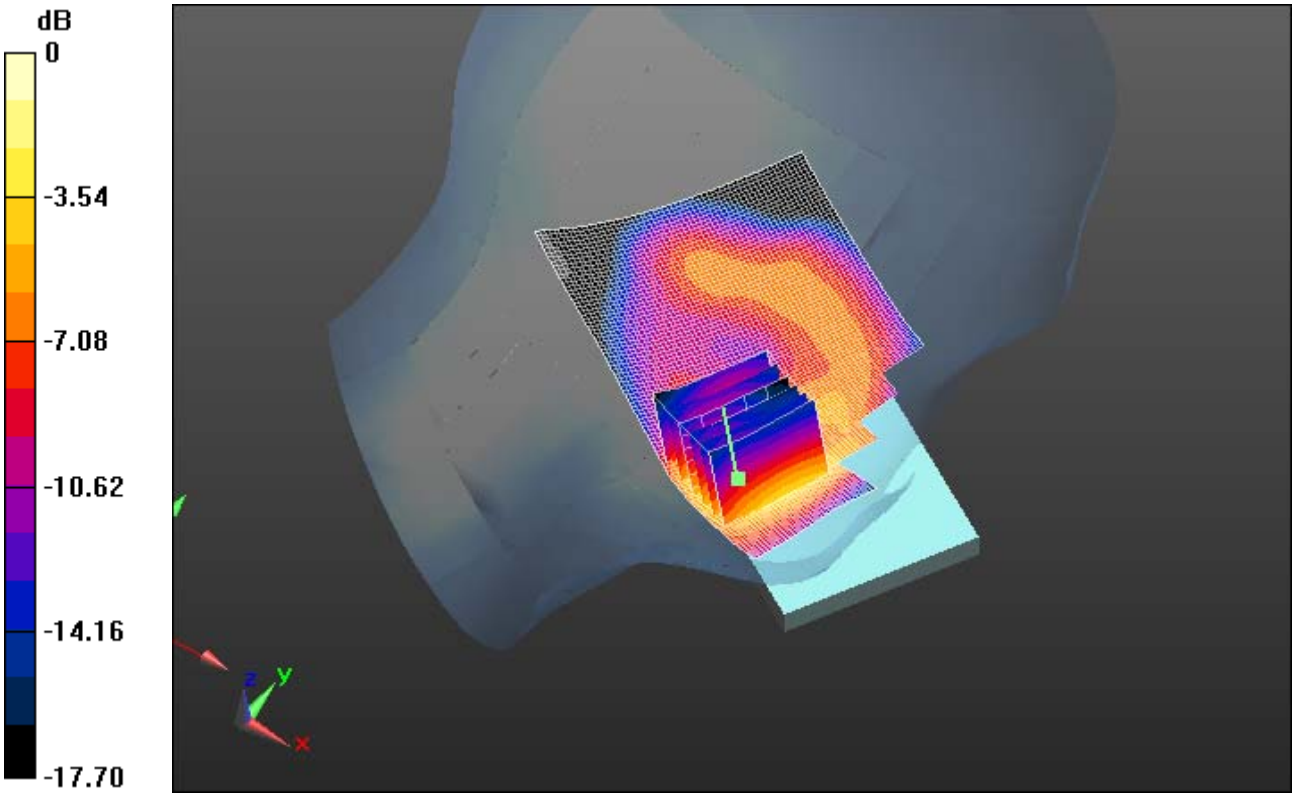
Communication System: EDGE 1900; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.375 mho/m; ε_r = 38.85; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.989 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.822 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.4370
SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.440 mW/g
Maximum value of SAR (measured) = 1.012 mW/g



0 dB = 1.010mW/g = 0.09 dB mW/g

Date/Time: 11/26/2012 4:05:15 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_3slots_low_chan_amb_temp_24.1C_liq_temp_22.6C

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

Communication System: EDGE 1900(3 slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 39.105; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

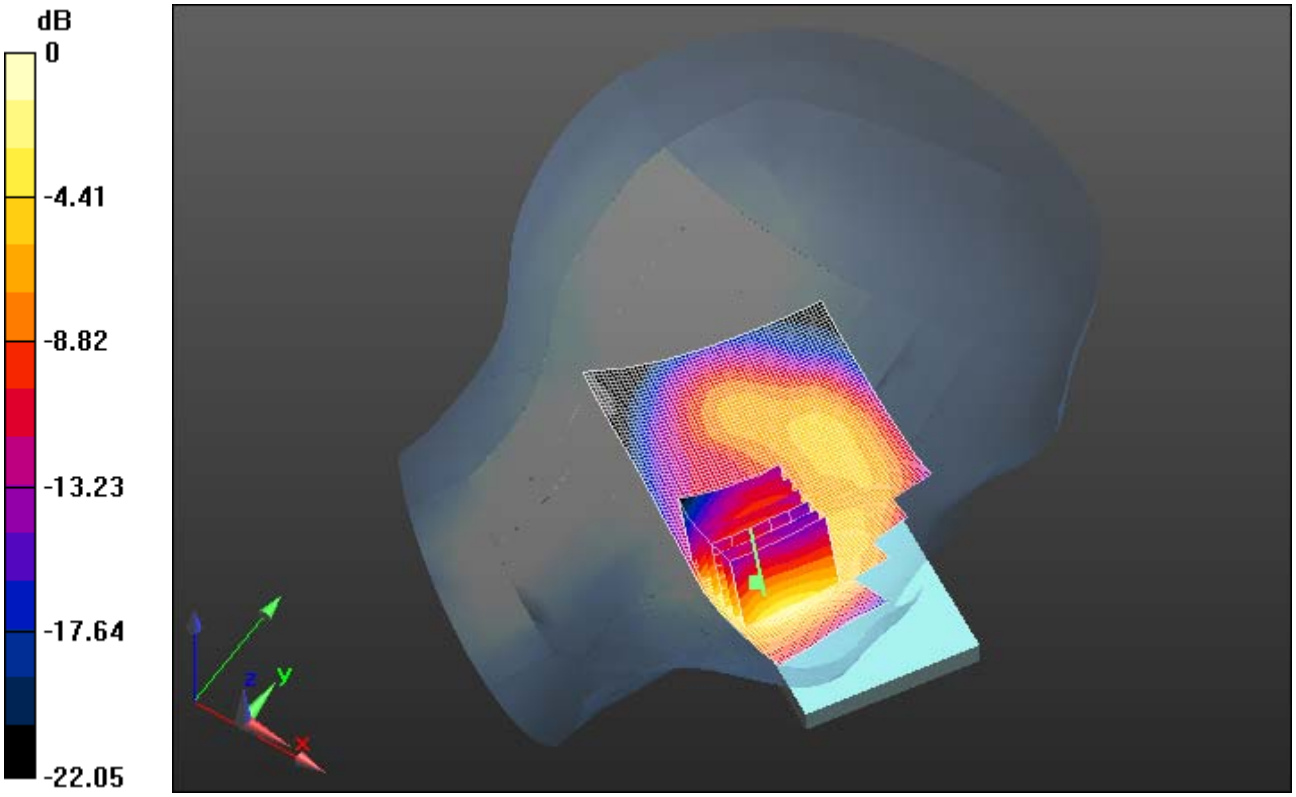
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.899 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.834 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.2210
SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.415 mW/g

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



0 dB = 0.880mW/g = -1.11 dB mW/g

Date/Time: 11/26/2012 4:24:09 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_4slots_low_chan_amb_temp_24.1C_liq_temp_22.6C

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

Communication System: EDGE 1900(4 slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 39.105; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

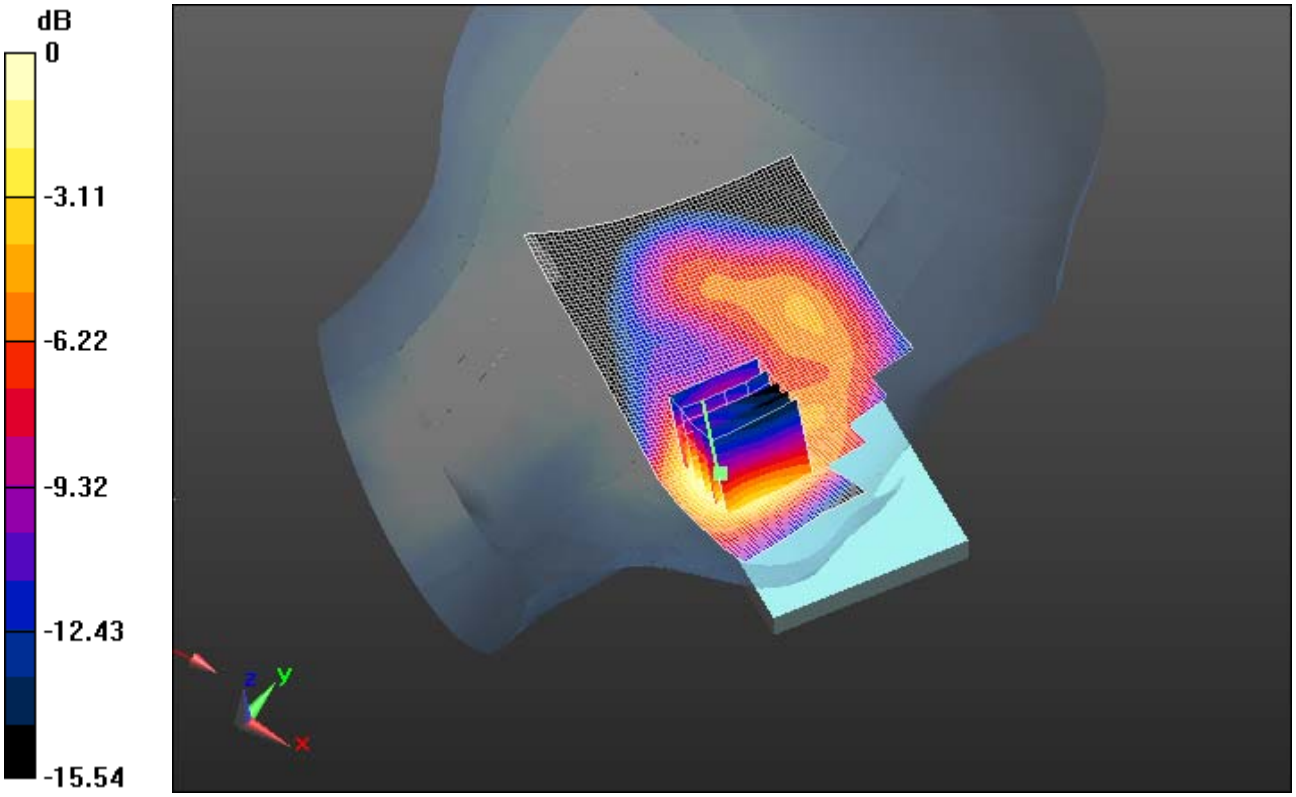
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.006 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.613 V/m; Power Drift = 0.0048 dB
Peak SAR (extrapolated) = 1.3830
SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.451 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.989 mW/g



0 dB = 0.990mW/g = -0.09 dB mW/g

Date/Time: 11/26/2012 2:34:15 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_DTM/EDGE1900_mid_chan_amb_temp_24.4C_liq_temp_22.5C

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

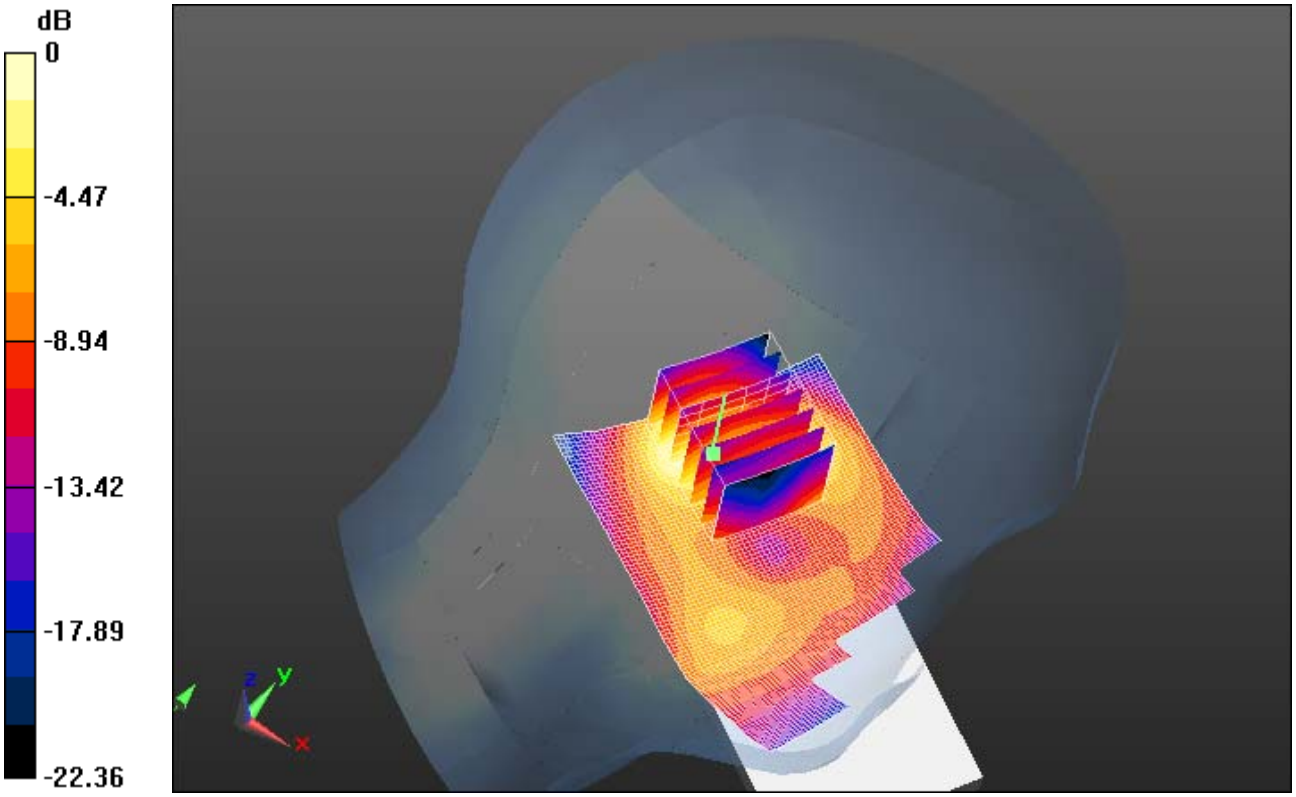
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.534 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.186 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.6880
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.487 mW/g



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

Date/Time: 11/26/2012 4:43:21 PM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_low_chan_amb_temp_23.9C_liq_temp_22.4C

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

Communication System: GSM 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 39.105; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

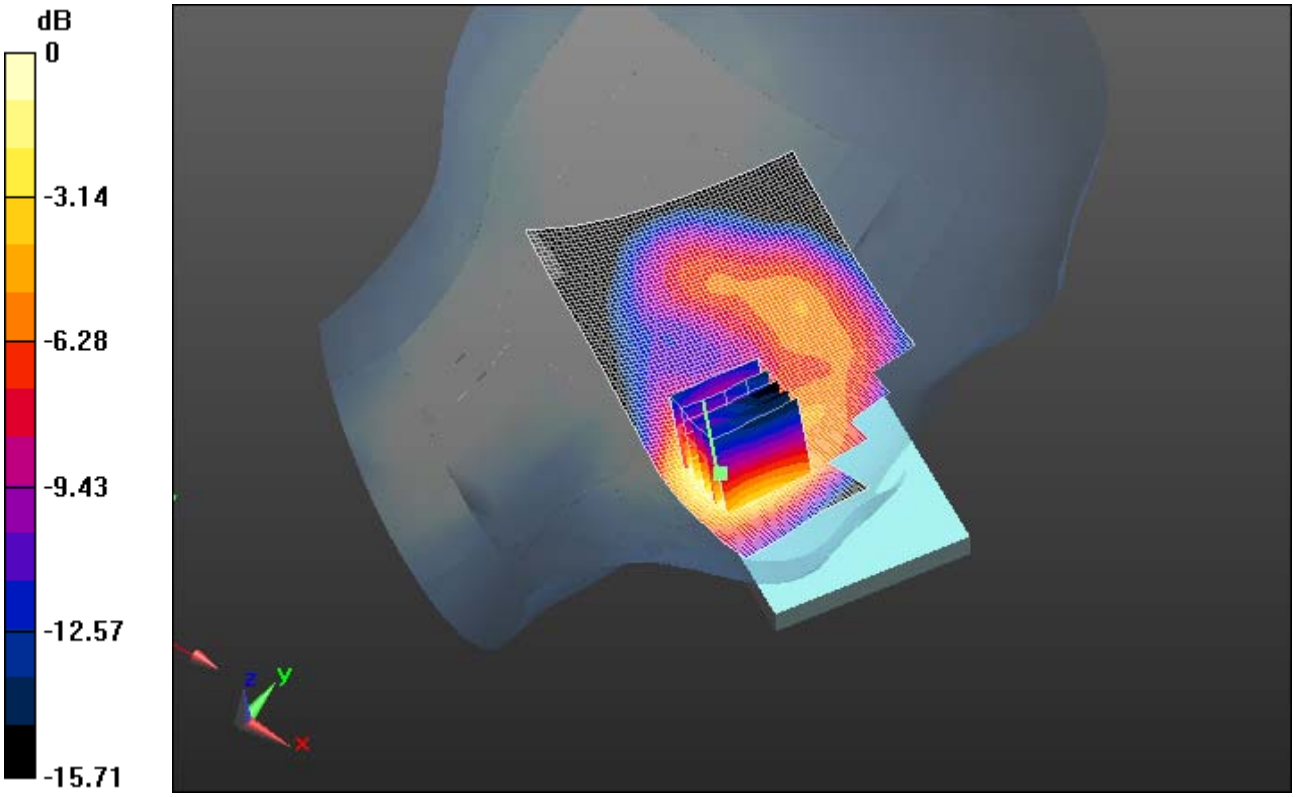
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.847 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.320 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.1690
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.379 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.843 mW/g



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

Date/Time: 11/29/2012 4:17:42 PM

Test Laboratory: RIM Testing Services

LeftHandSide_DTM/EDGE1900_low_chan_amb_temp_24.2C_liq_temp_22.8C_2100

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

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

DASY Configuration:

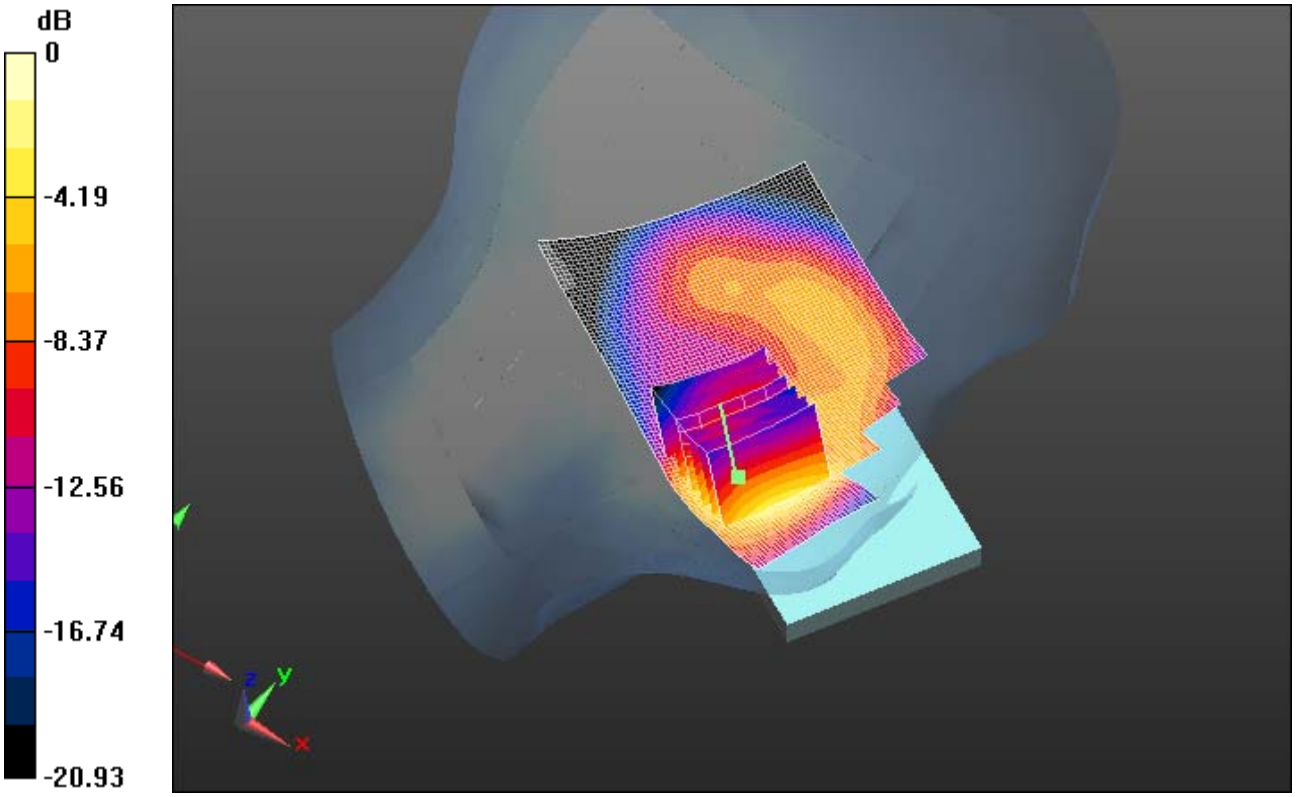
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.070 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.7270
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.556 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.238 mW/g



0 dB = 1.240mW/g = 1.87 dB mW/g

UMTS Band II

Date/Time: 11/26/2012 11:12:27 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_II_mid_chan_amb_temp_24.7C_liq_temp_22.6C

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

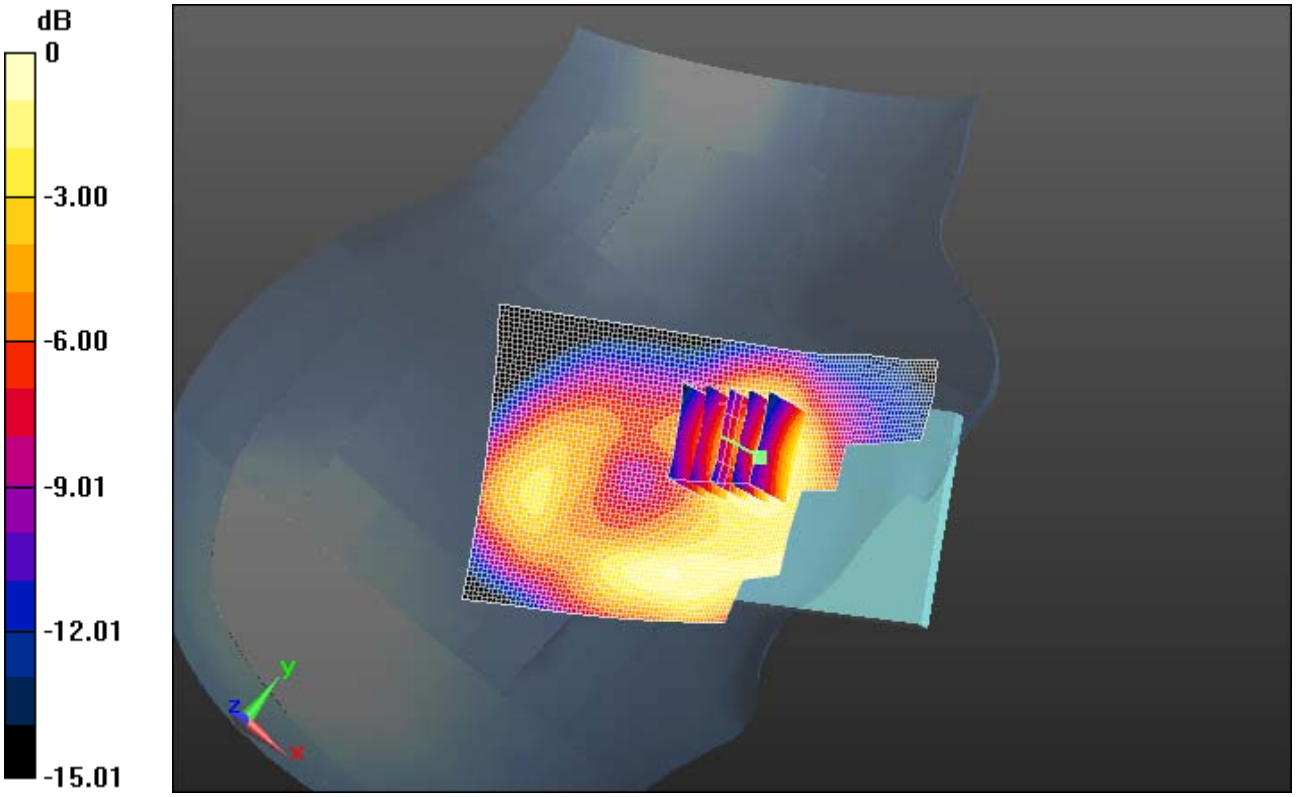
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.683 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.711 V/m; Power Drift = 0.27 dB
Peak SAR (extrapolated) = 0.7550
SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.347 mW/g
Maximum value of SAR (measured) = 0.597 mW/g



0 dB = 0.600mW/g = -4.44 dB mW/g

Date/Time: 11/26/2012 11:33:21 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_Band_II_mid_chan_amb_temp_24.5C_liq_temp_22.7C

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

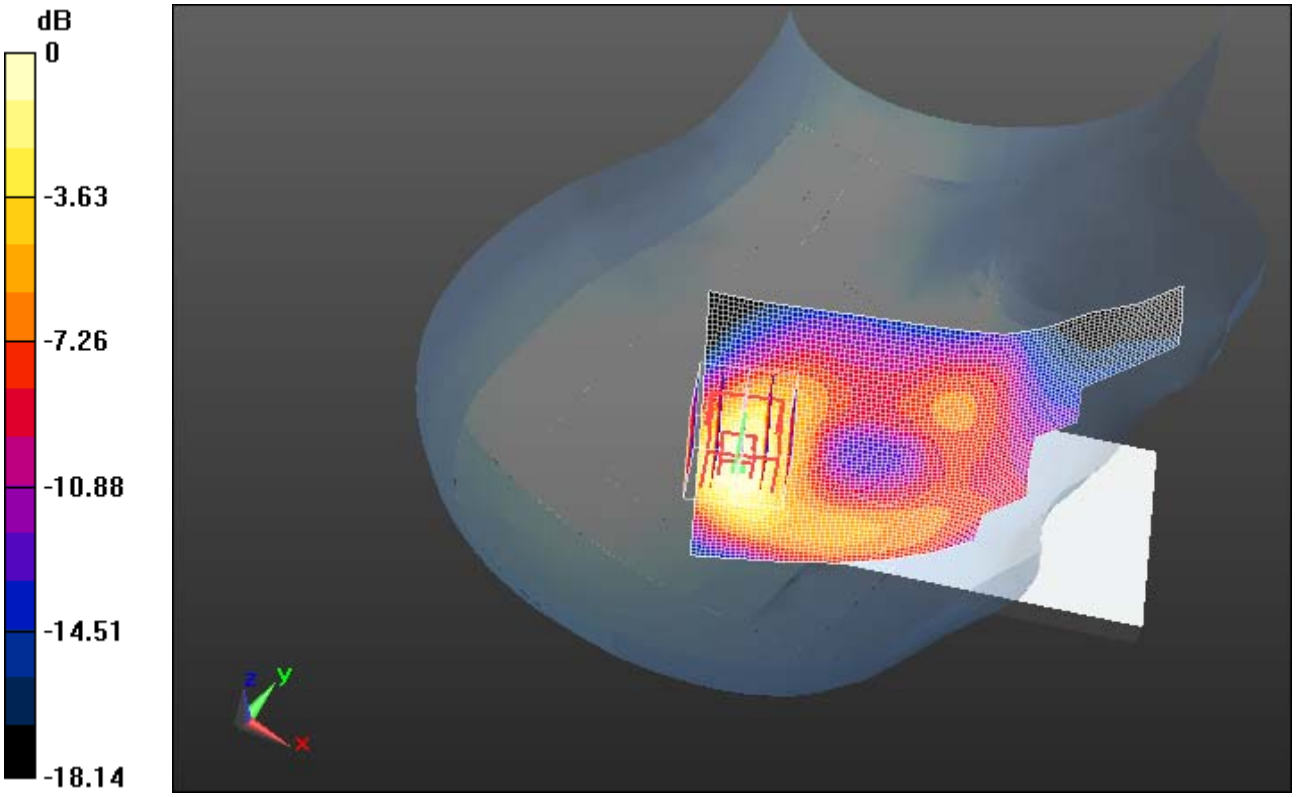
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.621 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.157 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.8320
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.613 mW/g



0 dB = 0.610mW/g = -4.29 dB mW/g

Date/Time: 11/26/2012 12:08:29 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_low_chan_amb_temp_24.3C_liq_temp_22.8C

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

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.333 mho/m; ε_r = 39.104; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

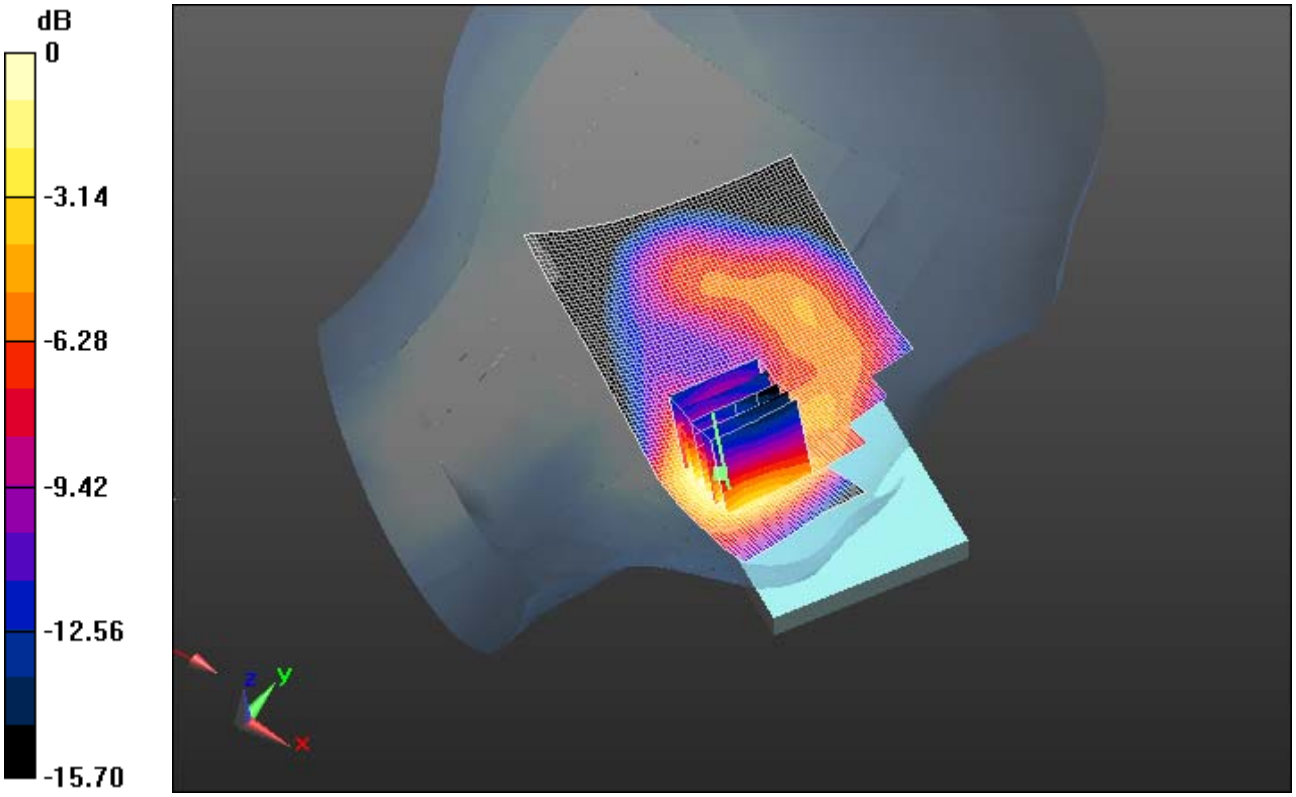
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.654 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.5630
SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.507 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.125 mW/g



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

Date/Time: 11/26/2012 11:51:31 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_mid_chan_amb_temp_24.4C_liq_temp_22.7C

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

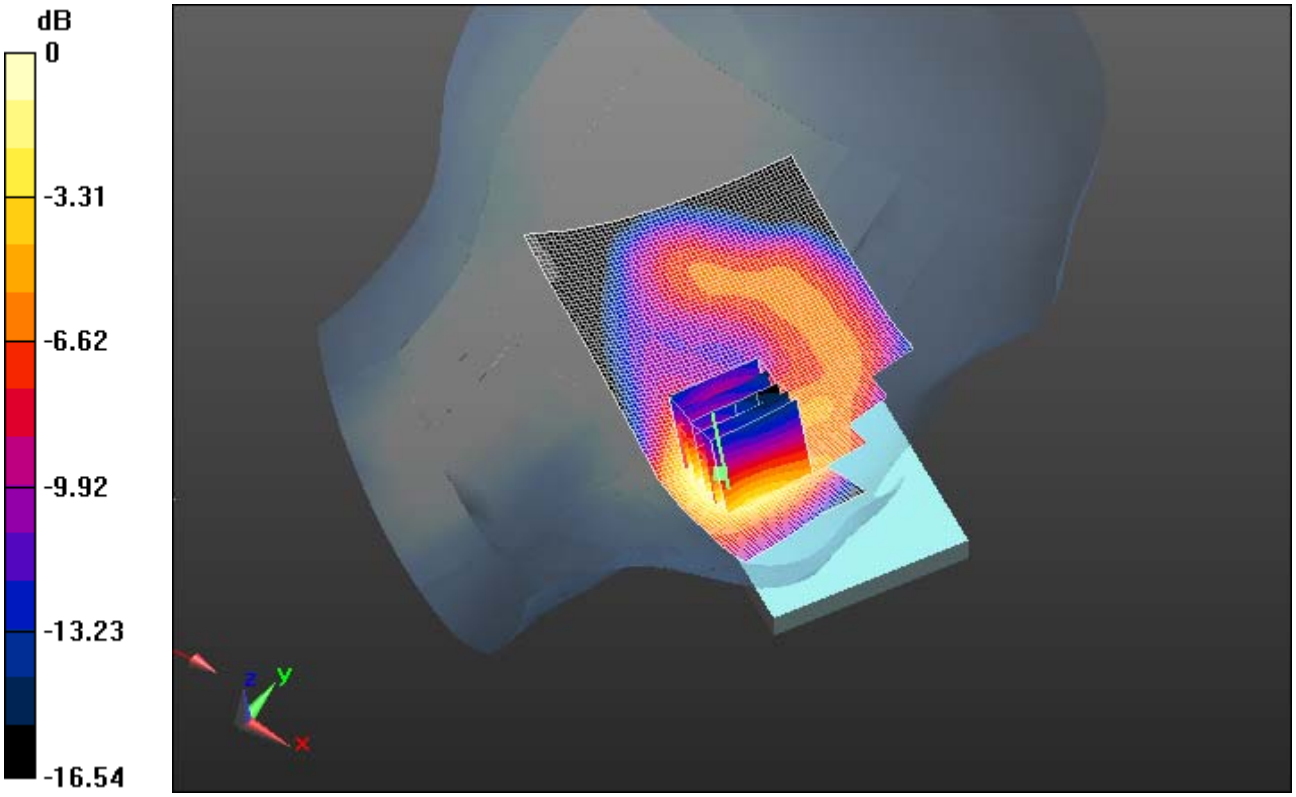
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.207 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.773 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.6570
SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.529 mW/g
Maximum value of SAR (measured) = 1.202 mW/g



0 dB = 1.200mW/g = 1.58 dB mW/g

Date/Time: 11/26/2012 12:24:37 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_24.2C_liq_temp_22.8C

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

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.372 mho/m; ε_r = 38.852; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

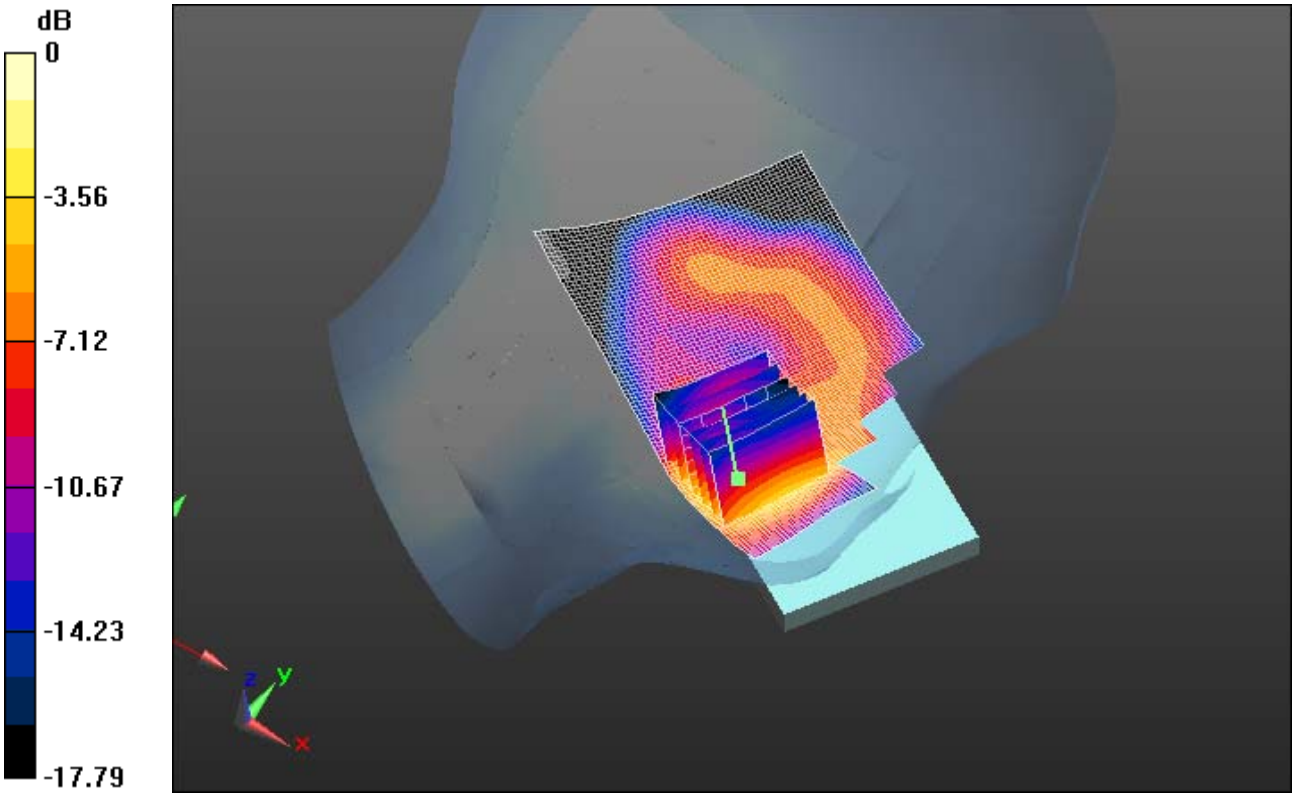
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.251 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.849 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.7750
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.564 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.282 mW/g



0 dB = 1.280mW/g = 2.14 dB mW/g

Date/Time: 11/29/2012 10:24:05 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_24.0C_liq_temp_22.5C_2nd

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

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

DASY Configuration:

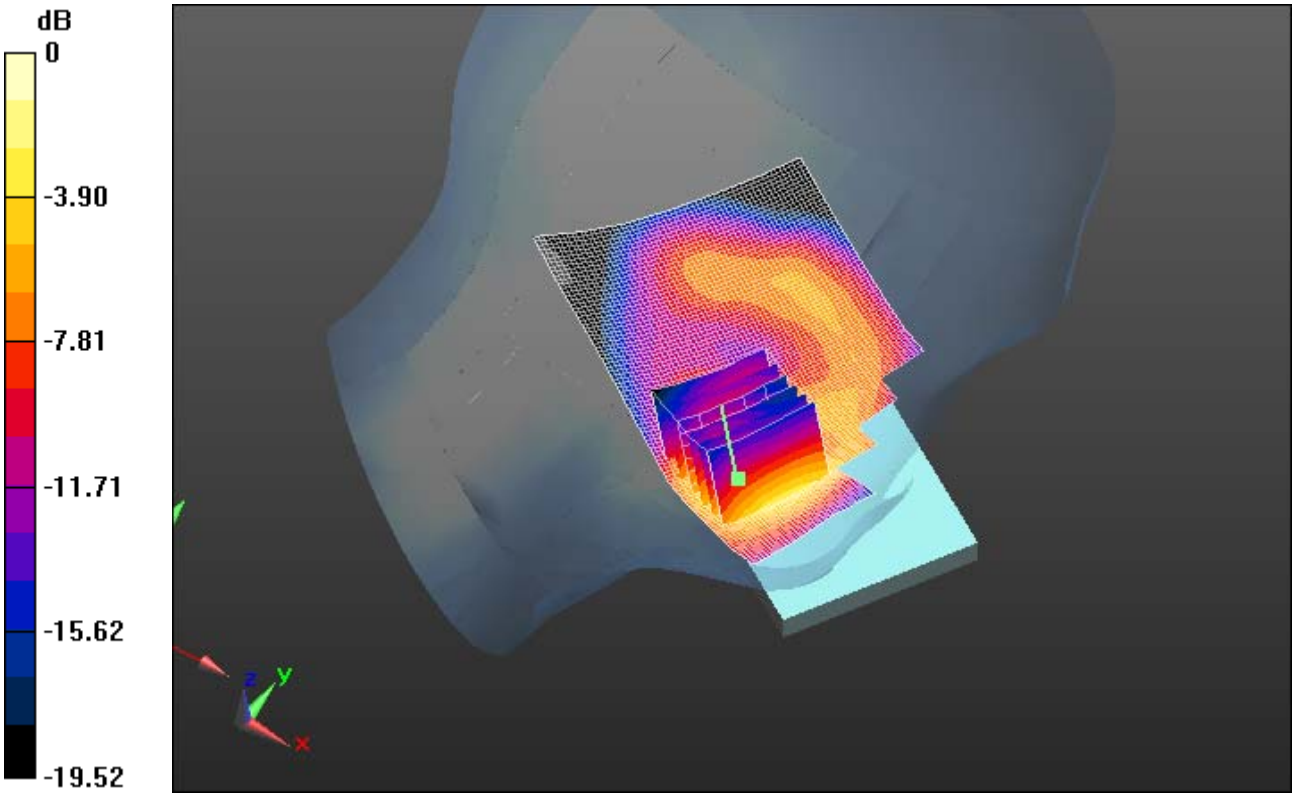
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.248 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.544 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.8760
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.573 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.325 mW/g



0 dB = 1.320mW/g = 2.41 dB mW/g

Date/Time: 11/26/2012 12:50:37 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_Band_II_mid_chan_amb_temp_24.1C_liq_temp_22.5C

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

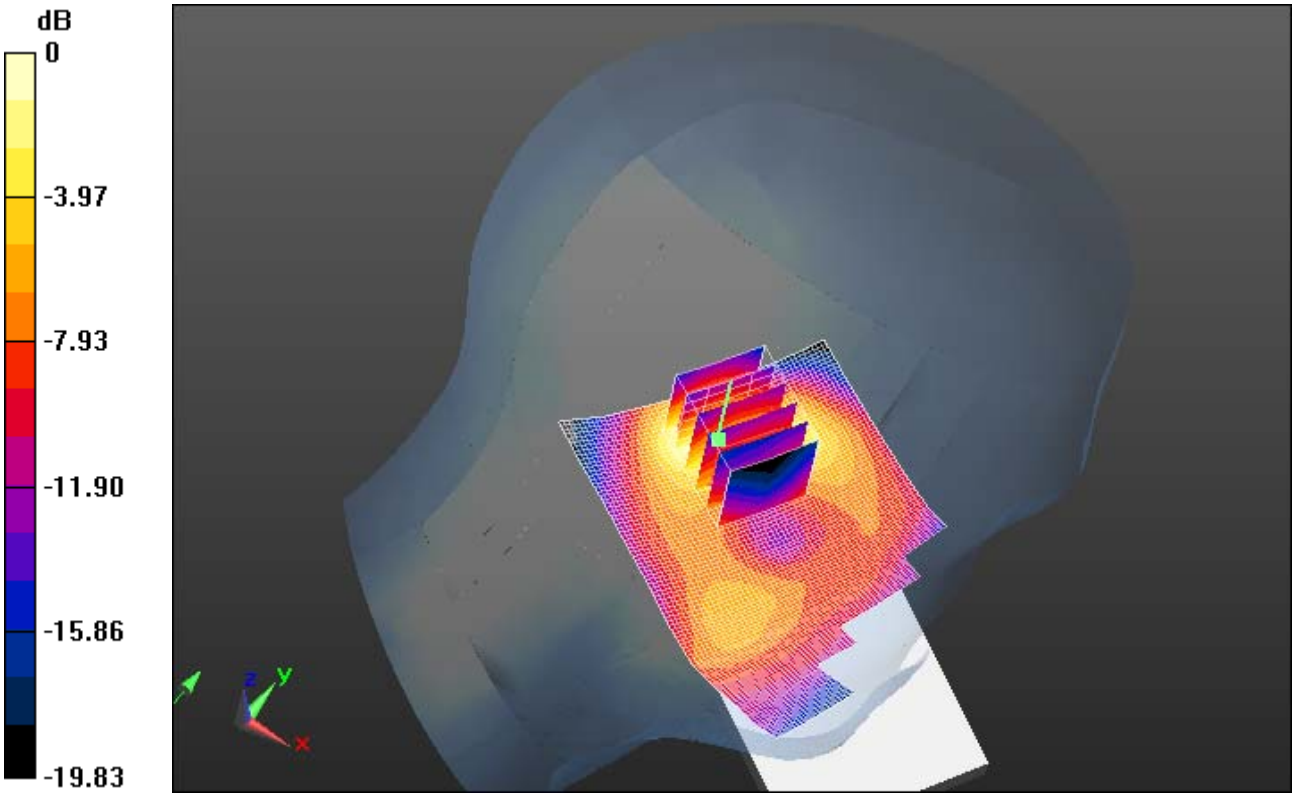
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.354 mho/m; ε_r = 39.055; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.660 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (5x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.455 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.8220
SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.270 mW/g
Maximum value of SAR (measured) = 0.609 mW/g



0 dB = 0.610mW/g = -4.29 dB mW/g

Date/Time: 11/29/2012 3:41:54 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_24.0C_liq_temp_22.5C_2100

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

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

DASY Configuration:

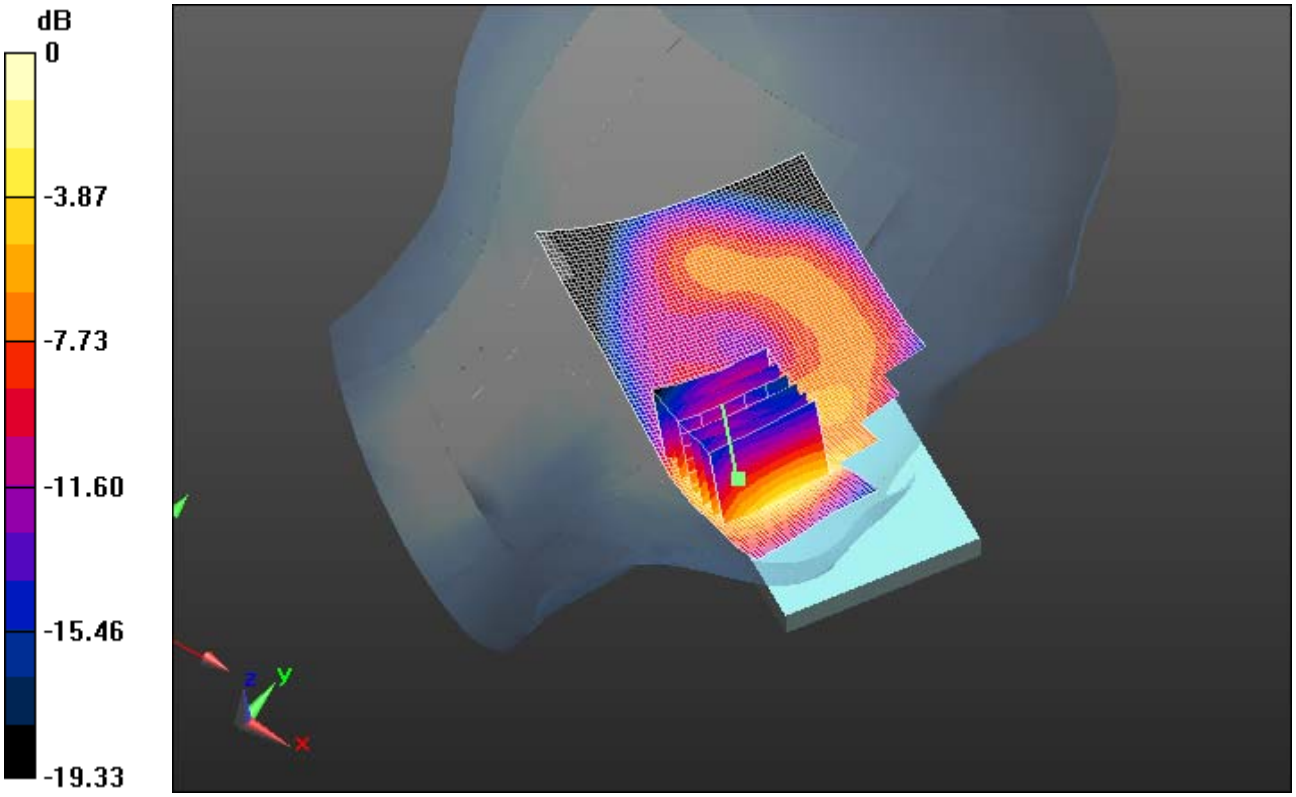
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.287 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.449 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.8980
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.569 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.315 mW/g



0 dB = 1.310mW/g = 2.35 dB mW/g

Date/Time: 1/29/2013 12:03:27 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_23.8C_liq_temp_22.7C_2100_2nd_Scan

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

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.388 S/m; ε_r = 38.299; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

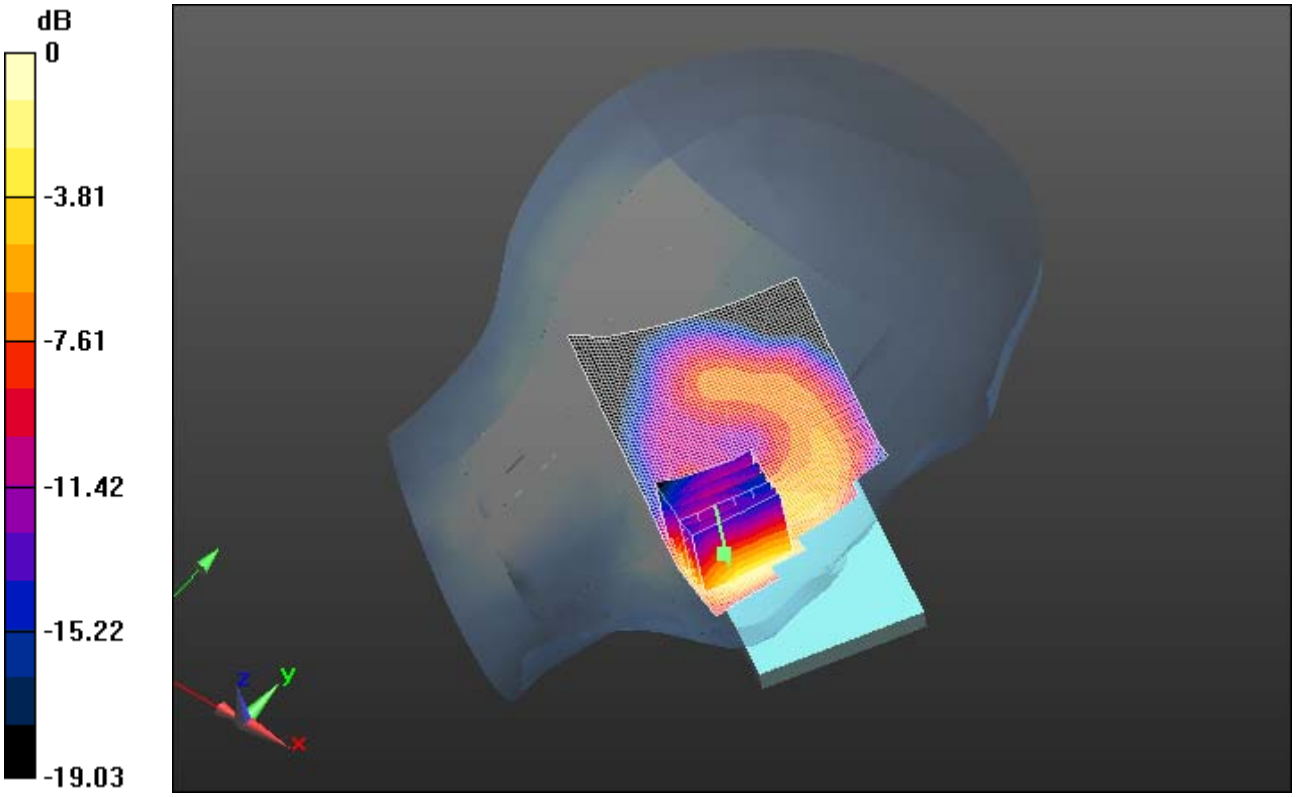
- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.13 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.437 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.566 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

802.11b

Date/Time: 1/5/2013 12:26:27 AM

Test Laboratory: RIM Testing Services

RightHandSide_Touch_802.11b

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

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.848 S/m; ε_r = 38.429; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Area Scan (81x121x1):

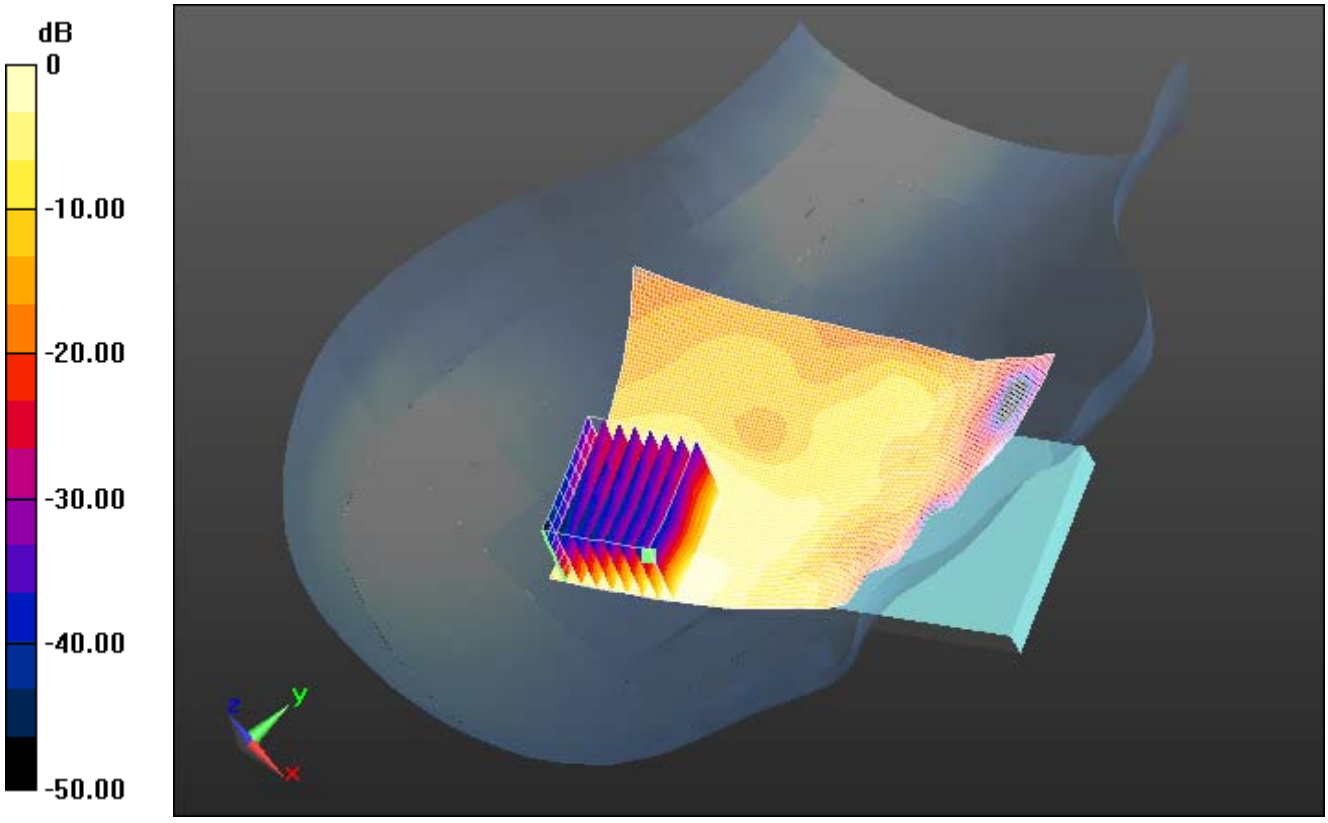
Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.348 W/kg

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Zoom Scan (9x8x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.661 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.846 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.152 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.353 W/kg



0 dB = 0.348 W/kg = -4.59 dBW/kg

Date/Time: 1/5/2013 1:46:28 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b

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

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.848 S/m; ε_r = 38.429; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

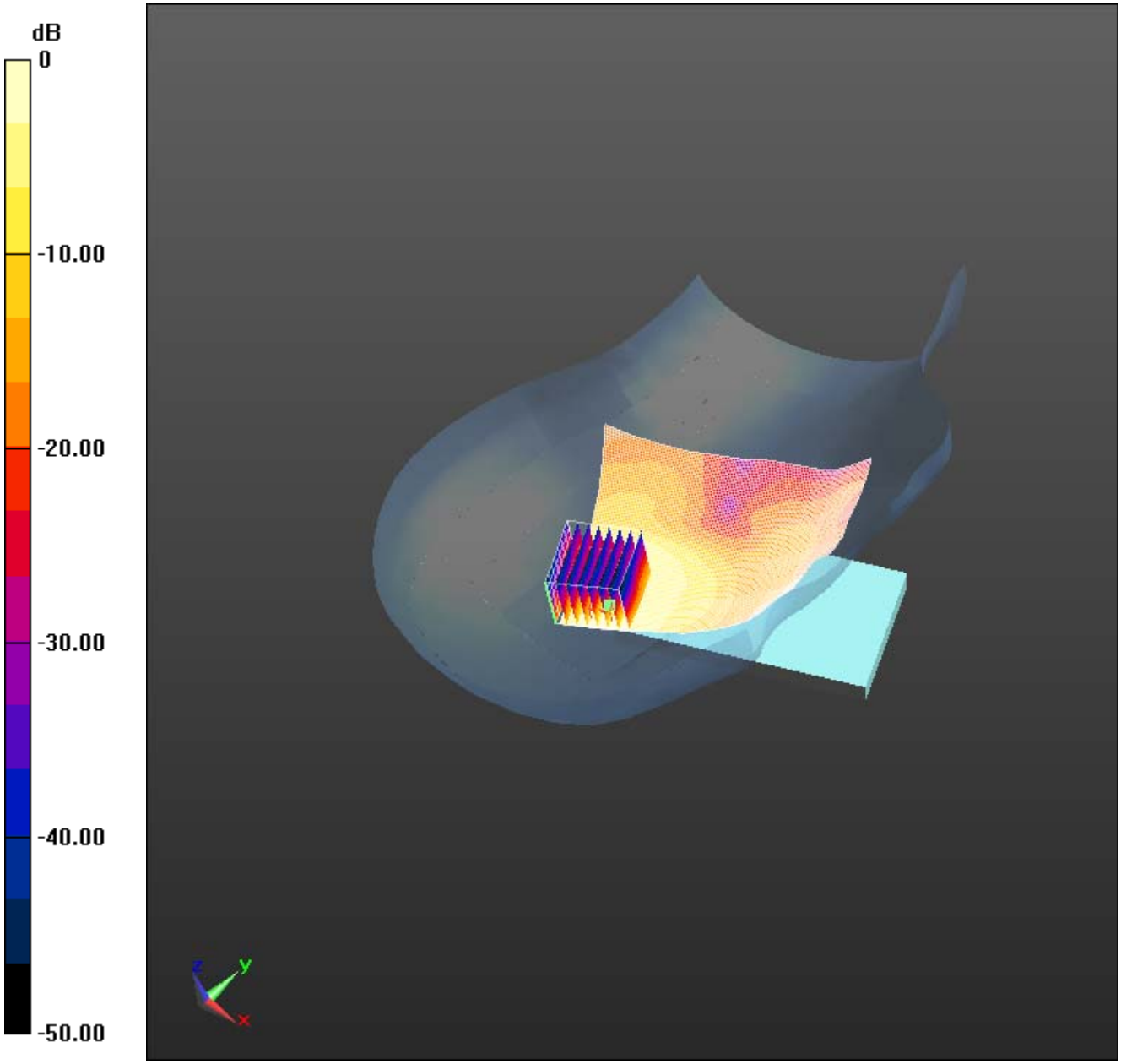
Right-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.327 W/kg

Right-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.533 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.872 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.155 W/kg

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



0 dB = 0.327 W/kg = -4.85 dBW/kg

Date/Time: 1/4/2013 9:11:43 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b

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

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.848 S/m; ε_r = 38.429; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

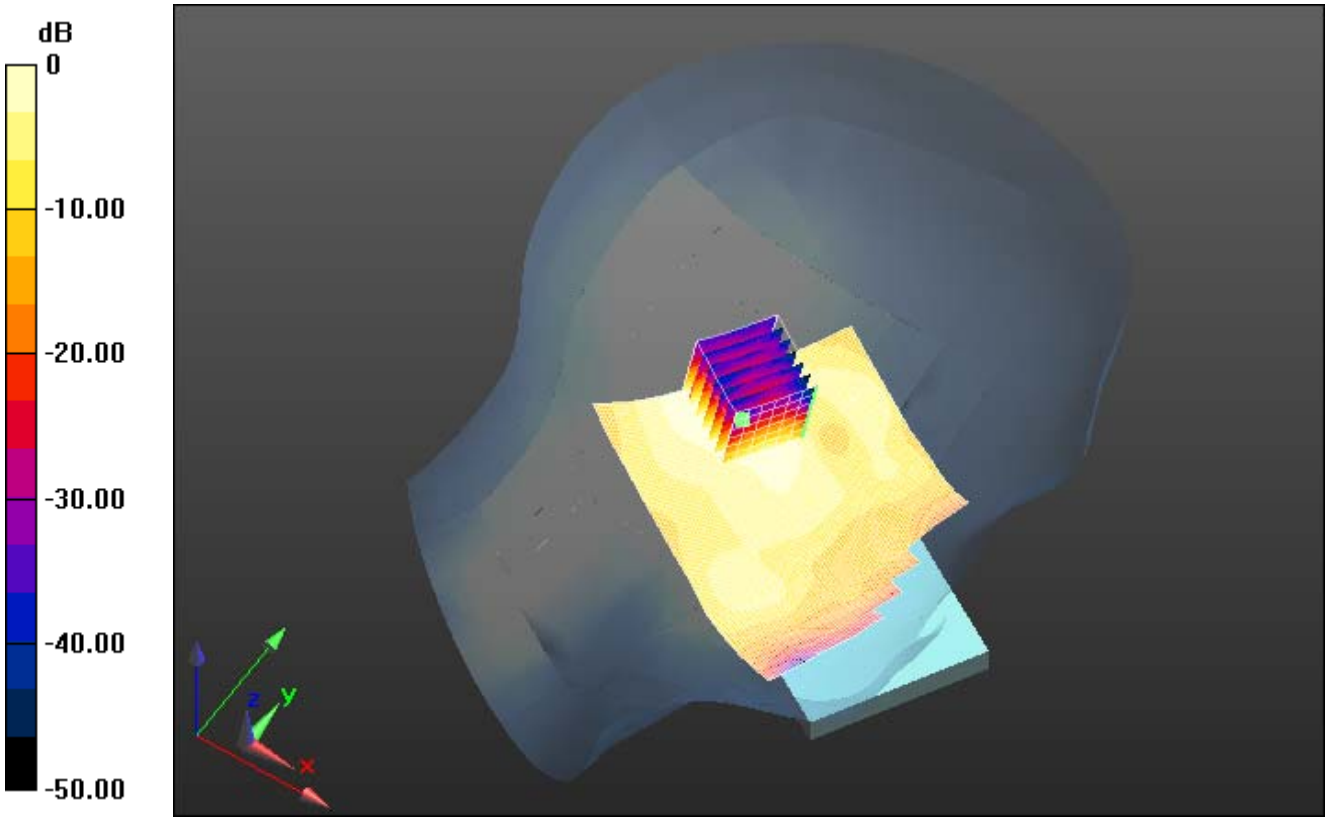
Left-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.236 W/kg

Left-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.894 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.114 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.236 W/kg = -6.27 dBW/kg

Date/Time: 1/4/2013 10:09:04 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b

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

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.848 S/m; ε_r = 38.429; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

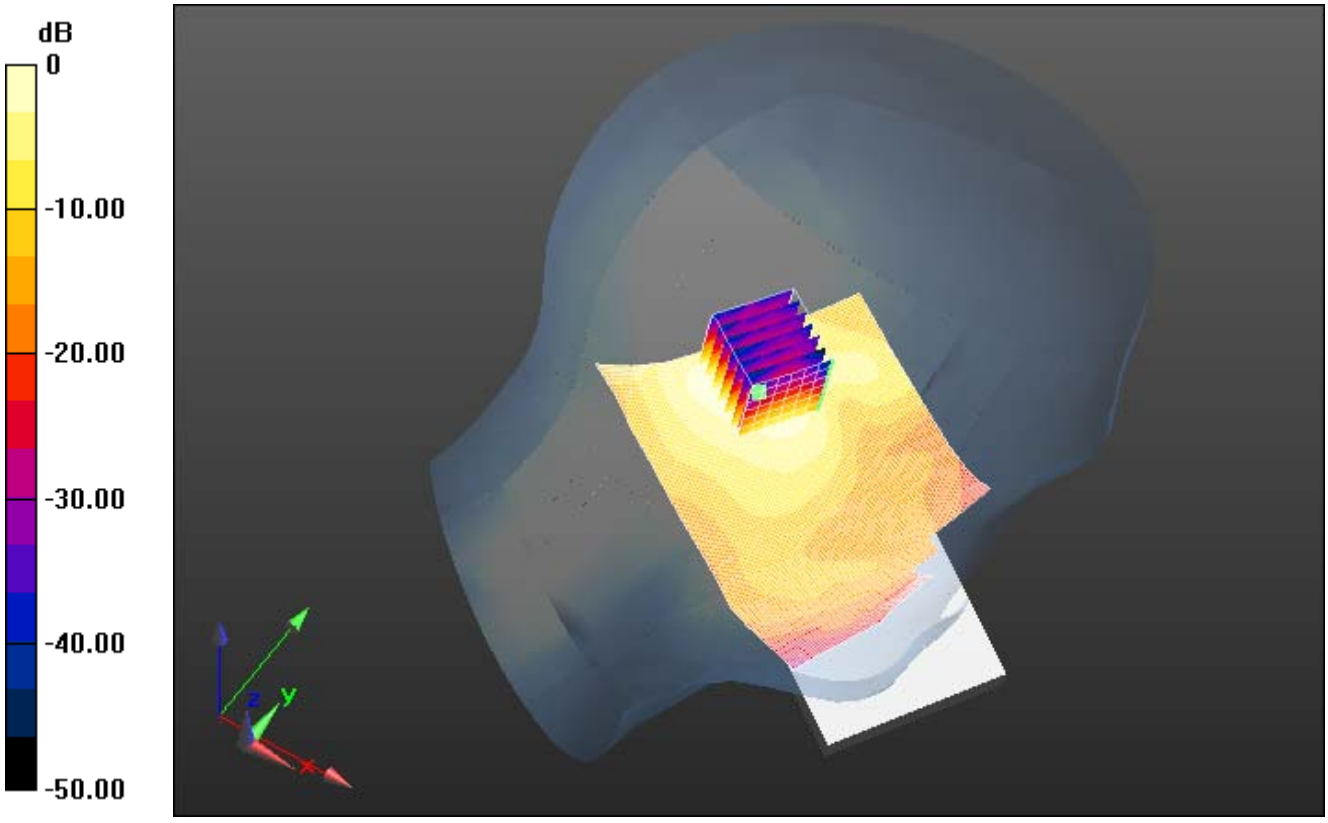
Left-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.337 W/kg

Left-Hand-Side HSL/Tilt Position - 802.11b_mid_chan_amb_temp_23.3C_liq_temp_20.7C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.117 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.154 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.316 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Date/Time: 1/7/2013 4:00:07 PM

Test Laboratory: RIM Testing Services

Head_SAR_802.11b_2100mA_batt

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

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.744 S/m; ε_r = 37.819; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.9C_liq_temp_21.5C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

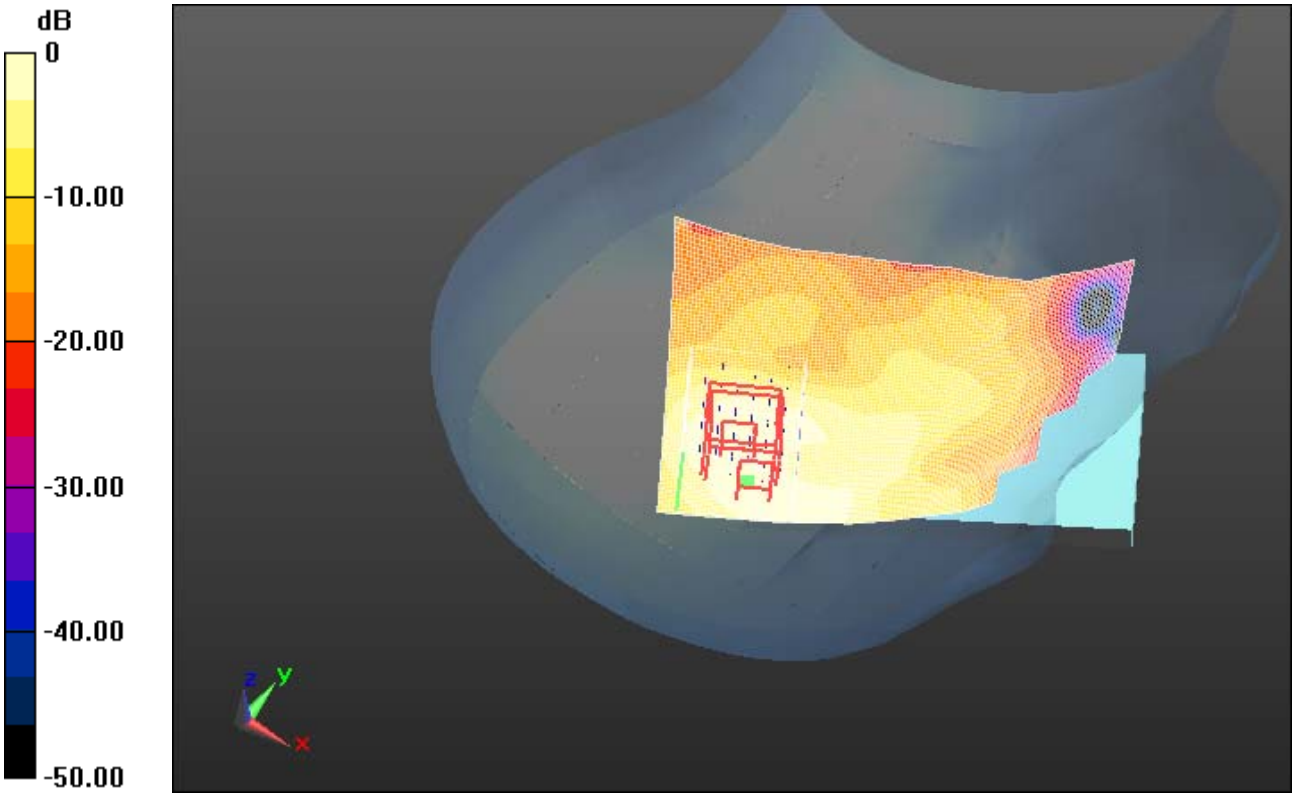
Reference Value = 10.418 V/m; Power Drift = 0.22 dB
Fast SAR: SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.156 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.321 W/kg

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.9C_liq_temp_21.5C/Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.418 V/m; Power Drift = 0.22 dB
Peak SAR (extrapolated) = 0.816 W/kg
SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.148 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.321 W/kg = -4.94 dBW/kg

Bluetooth

Date: 1/22/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0AD9

Configuration: Right-Hand-Side HSL

Communication System: Bluetooth; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz

Medium Parameters used: f=2441 MHz; σ = 1.750 S/m; ε_r = 37.398; ρ = 1.000 g/cm^3

Phantom section: Right Section

DASY Configuration:

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

Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 0.401 V/m; **Power Drift = -0.343 dB**

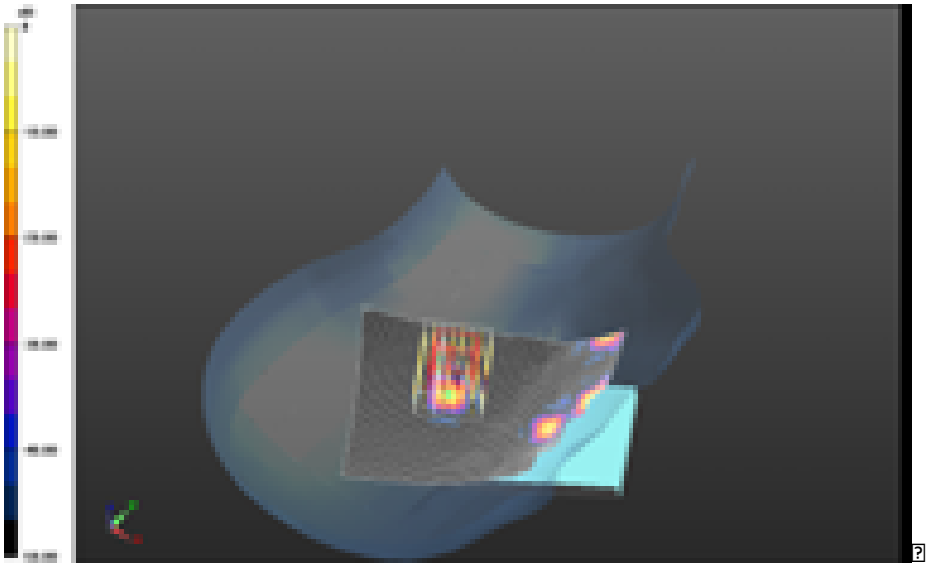
Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (41x36x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.401 V/m; **Power Drift = -0.343 dB**

Averaged SAR: SAR(1g) = 0.000141 W/kg; SAR(10g) = 0.0000377 W/kg

Maximum value of SAR (interpolated) = 0.00501 W/kg

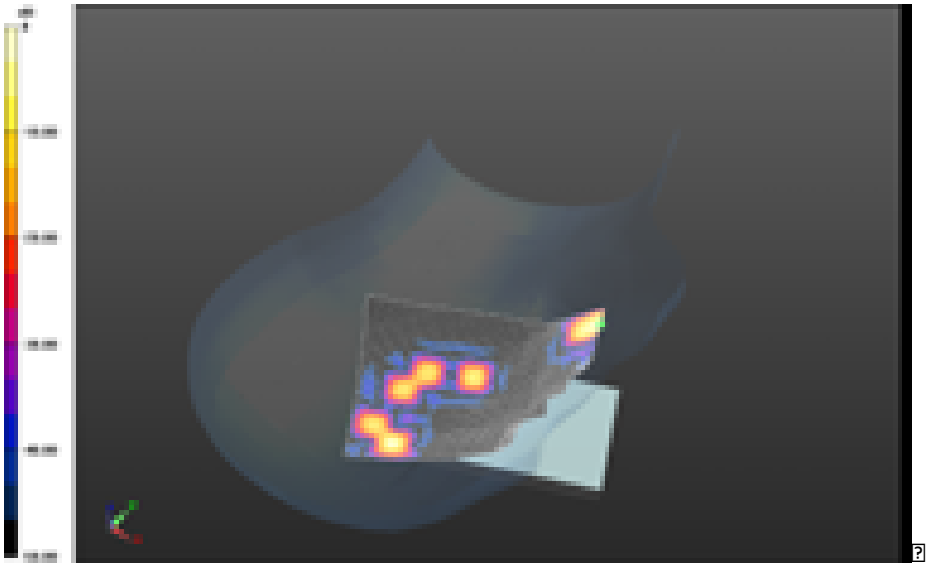
Field decay constant of 3.3 mm.



0 dB = 0.00501 W/kg = -23.00 dBW/kg

Right-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.5C_liq_temp_21.1C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.658 V/m; **Power Drift = 0.353 dB**

Fast SAR: SAR(1g) = 0.000617 W/kg; SAR(10g) = 0.000160 W/kg; Secondary SAR(1g) = 0.000165 W/kg
Maximum value of SAR (interpolated) = 0.00405 W/kg



0 dB = 0.00501 W/kg = -23.00 dBW/kg

Date: 1/22/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0AD9

Configuration: Left-Hand-Side HSL

Communication System: Bluetooth; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz

Medium Parameters used: f=2441 MHz; σ = 1.750 S/m; ε_r = 37.398; ρ = 1.000 g/cm^3

Phantom section: Left Section

DASY Configuration:

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

Left-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

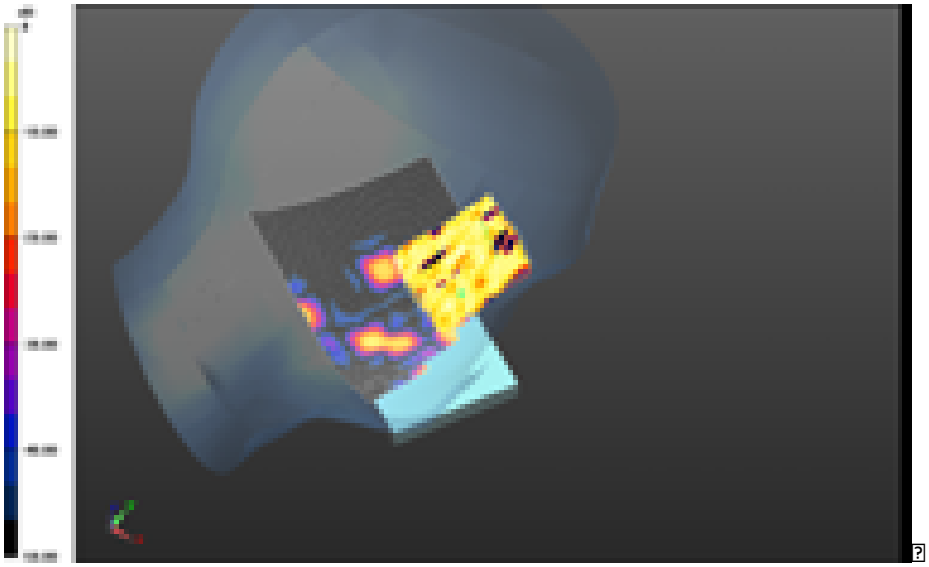
Reference Value = 0.346 V/m; **Power Drift = 2.436 dB**

Left-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (56x41x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 0.346 V/m; **Power Drift = 2.436 dB**

Averaged SAR: SAR(1g) = 0.000359 W/kg; SAR(10g) = 0.0000953 W/kg

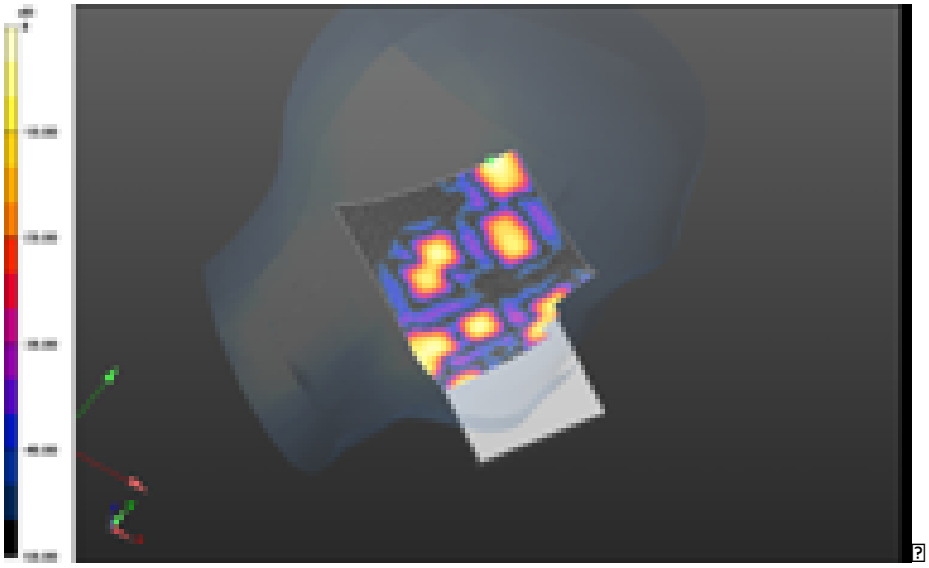
Maximum value of SAR (interpolated) = 0.00785 W/kg



0 dB = 0.00785 W/kg = -21.05 dBW/kg

Left-Hand-Side HSL/Tilt Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.484 V/m; **Power Drift = -0.483 dB**

Fast SAR: SAR(1g) = 0.000827 W/kg; SAR(10g) = 0.000151 W/kg; Secondary SAR(1g) = 0.000412 W/kg
Maximum value of SAR (interpolated) = 0.00330 W/kg



0 dB = 0.00785 W/kg = -21.05 dBW/kg

Date: 2/27/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2668C71D

Configuration: Right-Hand-Side HSL 802.11b Rev 3-03

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

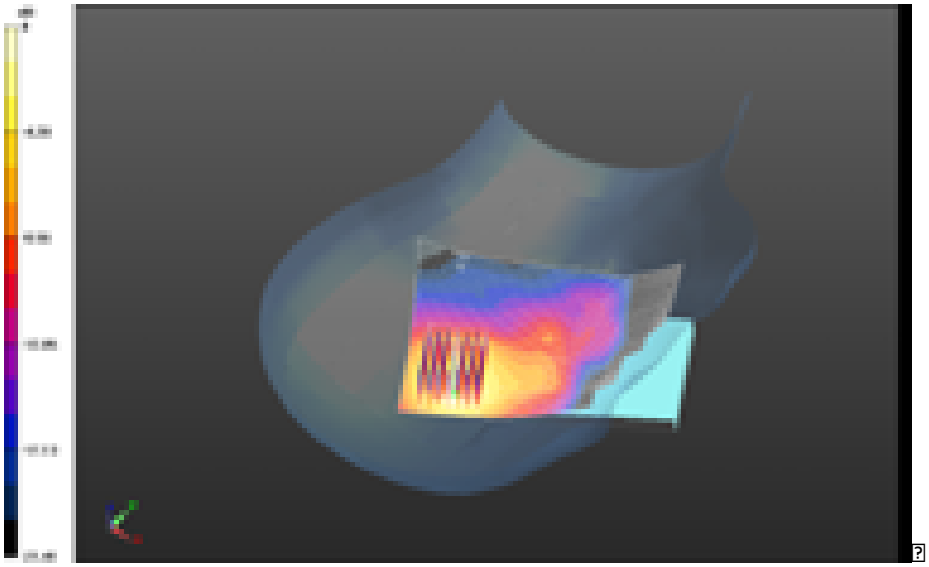
DASY Configuration:

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

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.6C_liq_temp_20.5C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.292 W/kg

Right-Hand-Side HSL/Touch Position - 802.11b_mid_chan_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (36x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 8.024 V/m; **Power Drift = 0.450 dB**

Averaged SAR: SAR(1g) = 0.229 W/kg; SAR(10g) = 0.112 W/kg
Maximum value of SAR (interpolated) = 0.504 W/kg



0 dB = 0.297 W/kg = -5.27 dBW/kg

802.11a

Date/Time: 1/14/2013 10:36:51 PM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5200MHz_touch_chan48

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

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5240 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5240 MHz; σ = 4.727 S/m; ε_r = 34.212; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

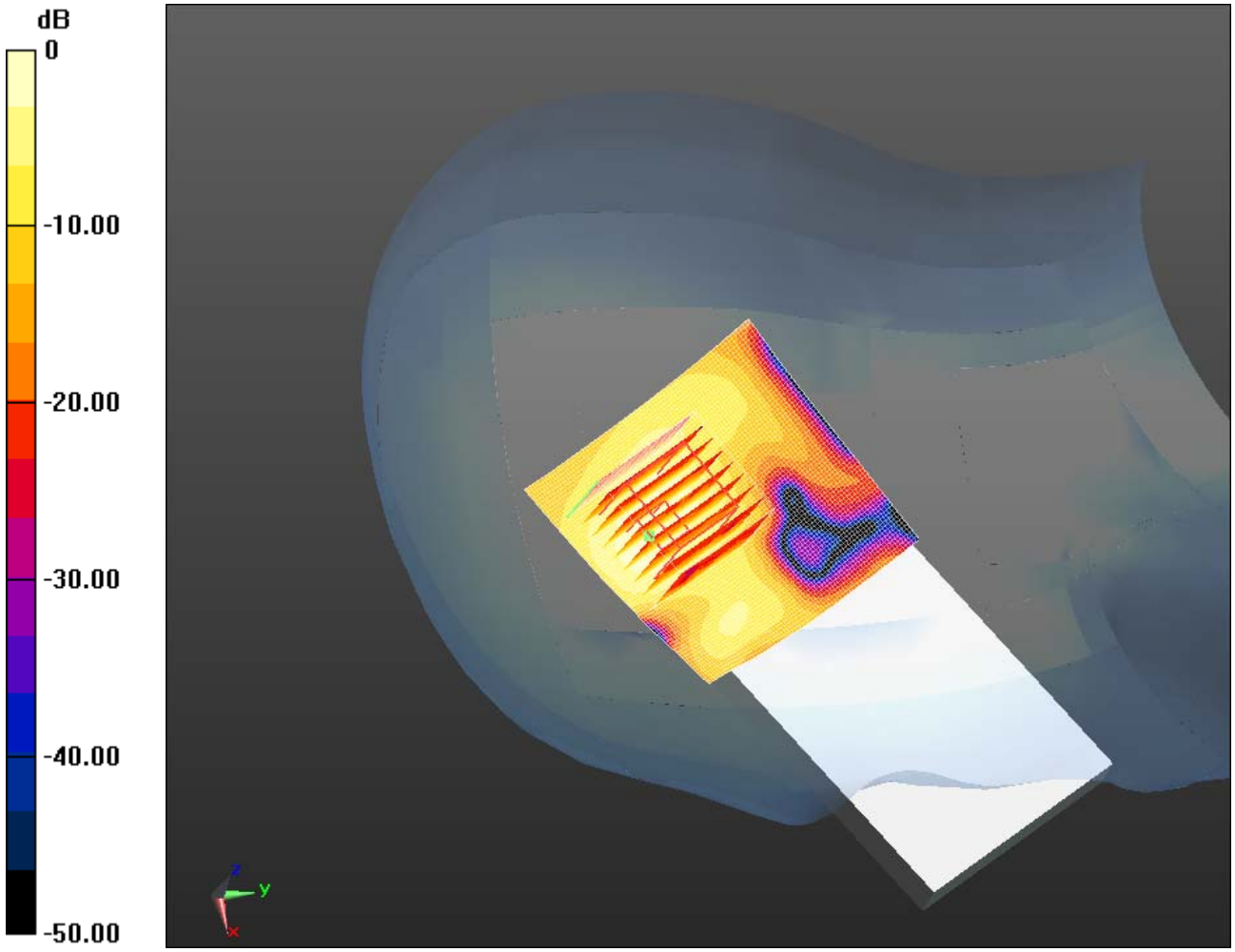
- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_23.2C_liq_temp_21.3C/Area Scan (81x71x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.646 W/kg

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_23.2C_liq_temp_21.3C/Zoom Scan (10x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.292 V/m; Power Drift = 0.65 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.120 W/kg
Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

Date/Time: 1/14/2013 11:46:30 PM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5200MHz_touch_chan52

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

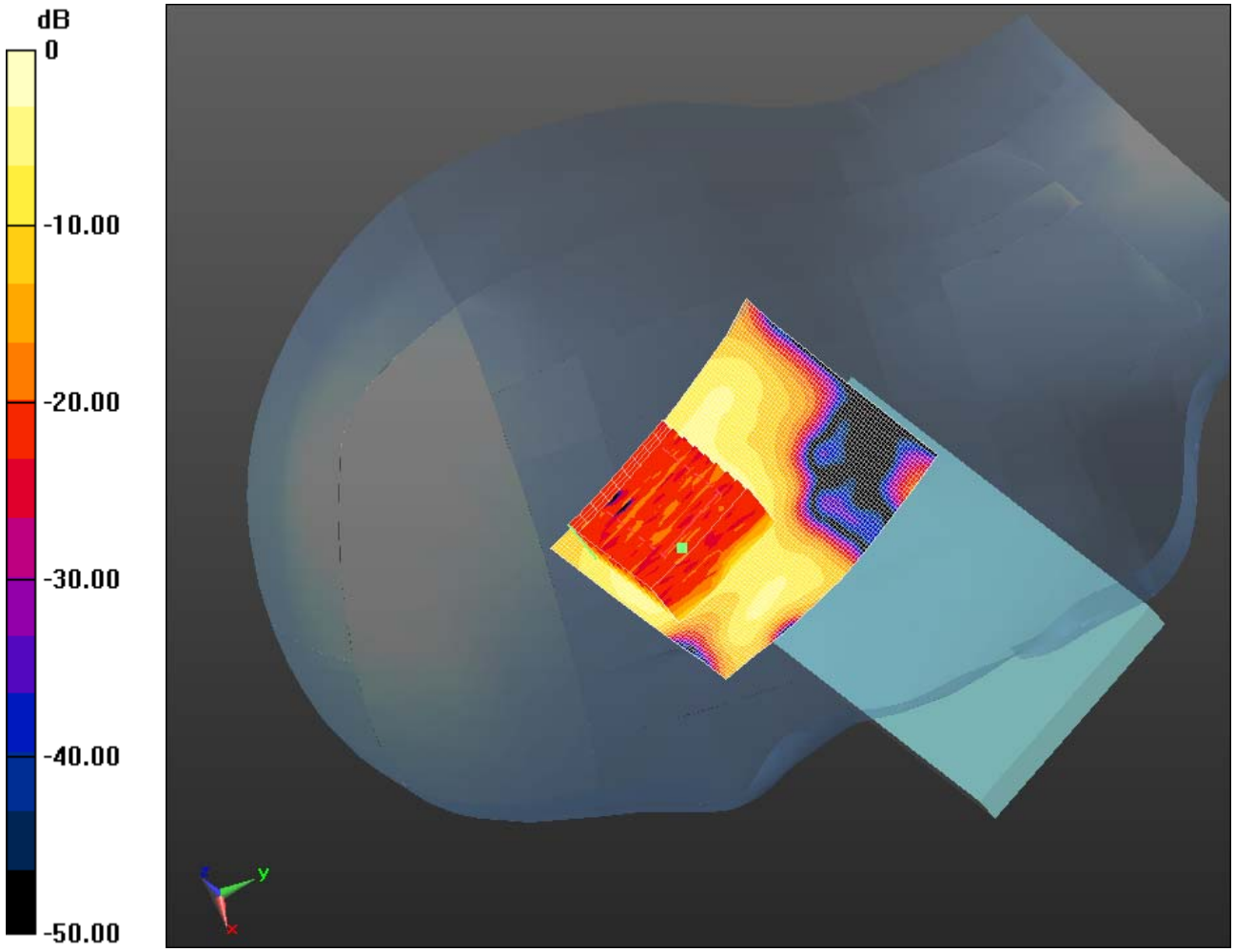
Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5260 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5260 MHz; σ = 4.756 S/m; ε_r = 34.182; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.657 W/kg

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (10x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.766 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg = -1.95 dBW/kg

Date/Time: 1/14/2013 8:59:12 PM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5500MHz_touch_chan104

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

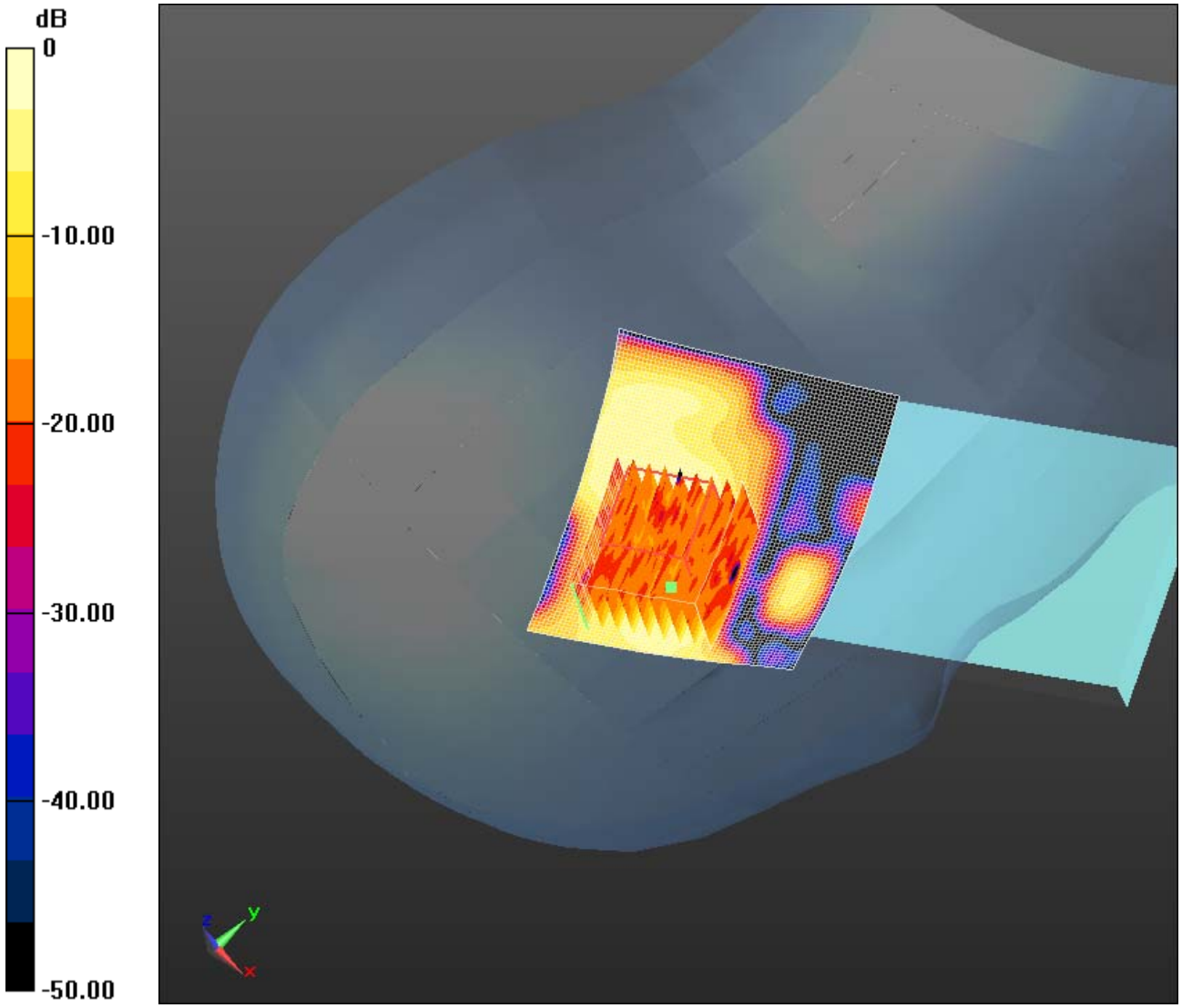
Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5520 MHz; σ = 5.123 S/m; ε_r = 34.126; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Area Scan (81x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.444 W/kg

Right-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (10x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.019 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.835 W/kg
SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.452 W/kg



0 dB = 0.452 W/kg = -3.45 dBW/kg

Date/Time: 1/11/2013 3:15:15 PM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5800MHz_touch_chan149

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

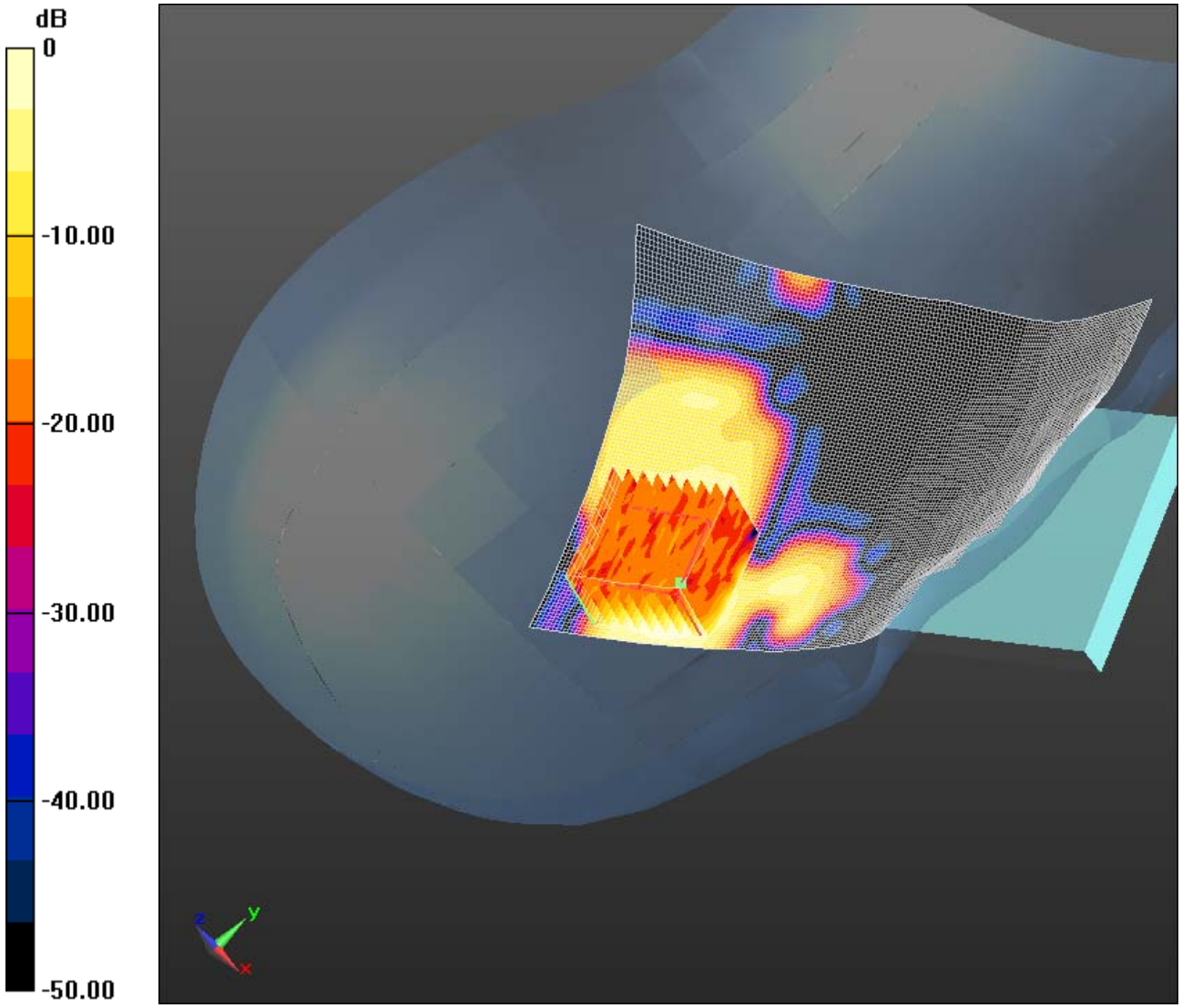
Communication System: 802.11a ; Communication System Band: 802.11a; Frequency: 5745 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5745 MHz; σ = 5.438 S/m; ε_r = 34.861; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Right-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.501 W/kg

Right-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C 2/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 9.576 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.819 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.073 W/kg
Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg = -3.56 dBW/kg

Date/Time: 1/15/2013 12:40:46 AM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5200MHz_tilted_chan52

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

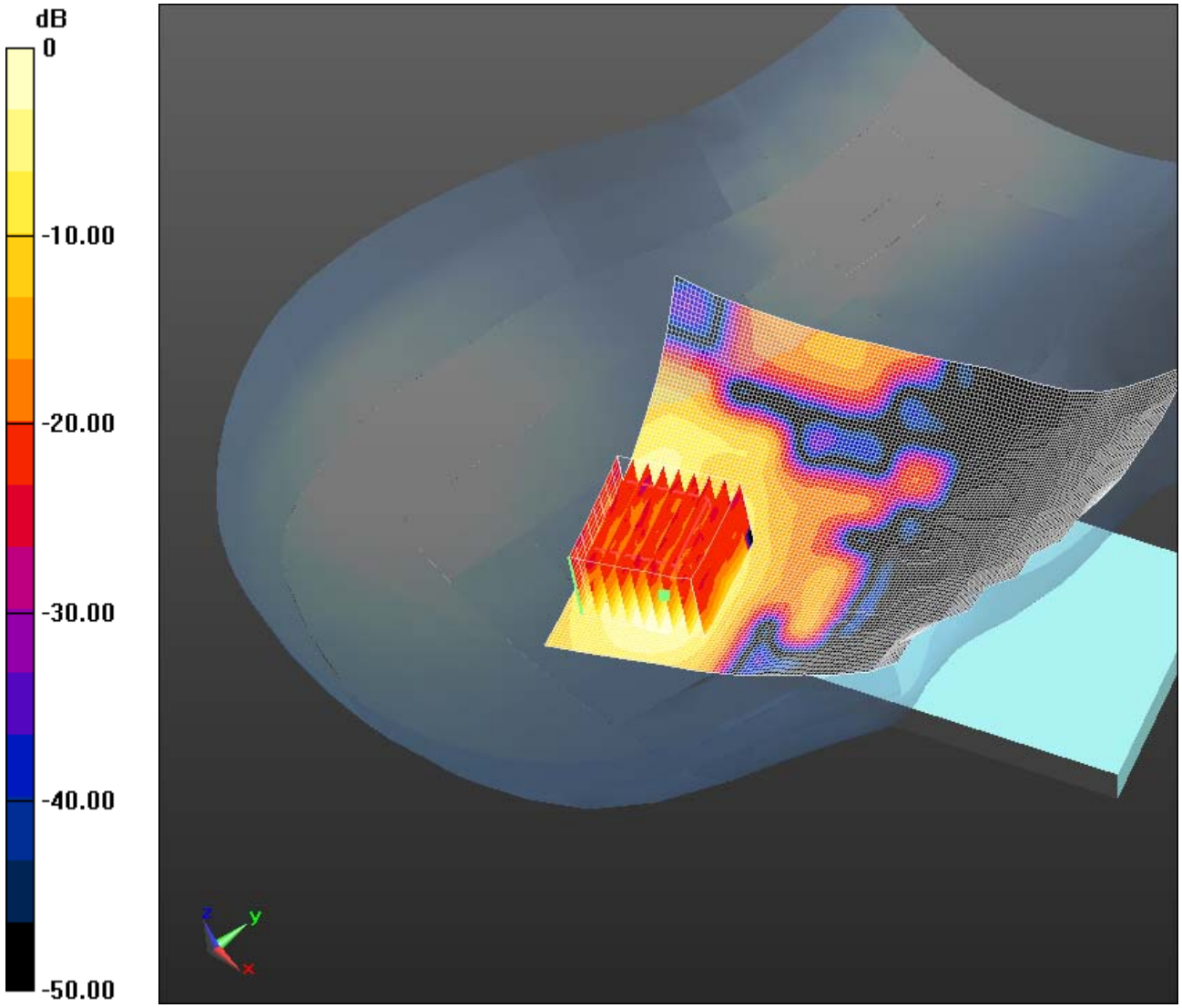
Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5260 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5260 MHz; σ = 4.756 S/m; ε_r = 34.182; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Area Scan (101x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.767 W/kg

Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.492 V/m; Power Drift = 0.65 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.765 W/kg



0 dB = 0.765 W/kg = -1.16 dBW/kg

Date/Time: 1/14/2013 4:28:17 PM

Test Laboratory: RIM Testing Services

LHS_Head_SAR_802.11a_5200MHz_touch_chan48

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

Communication System: 802.11a ; Communication System Band: 802.11a 48;
Frequency: 5240 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5240 MHz; σ = 4.727 S/m; ε_r = 34.212; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

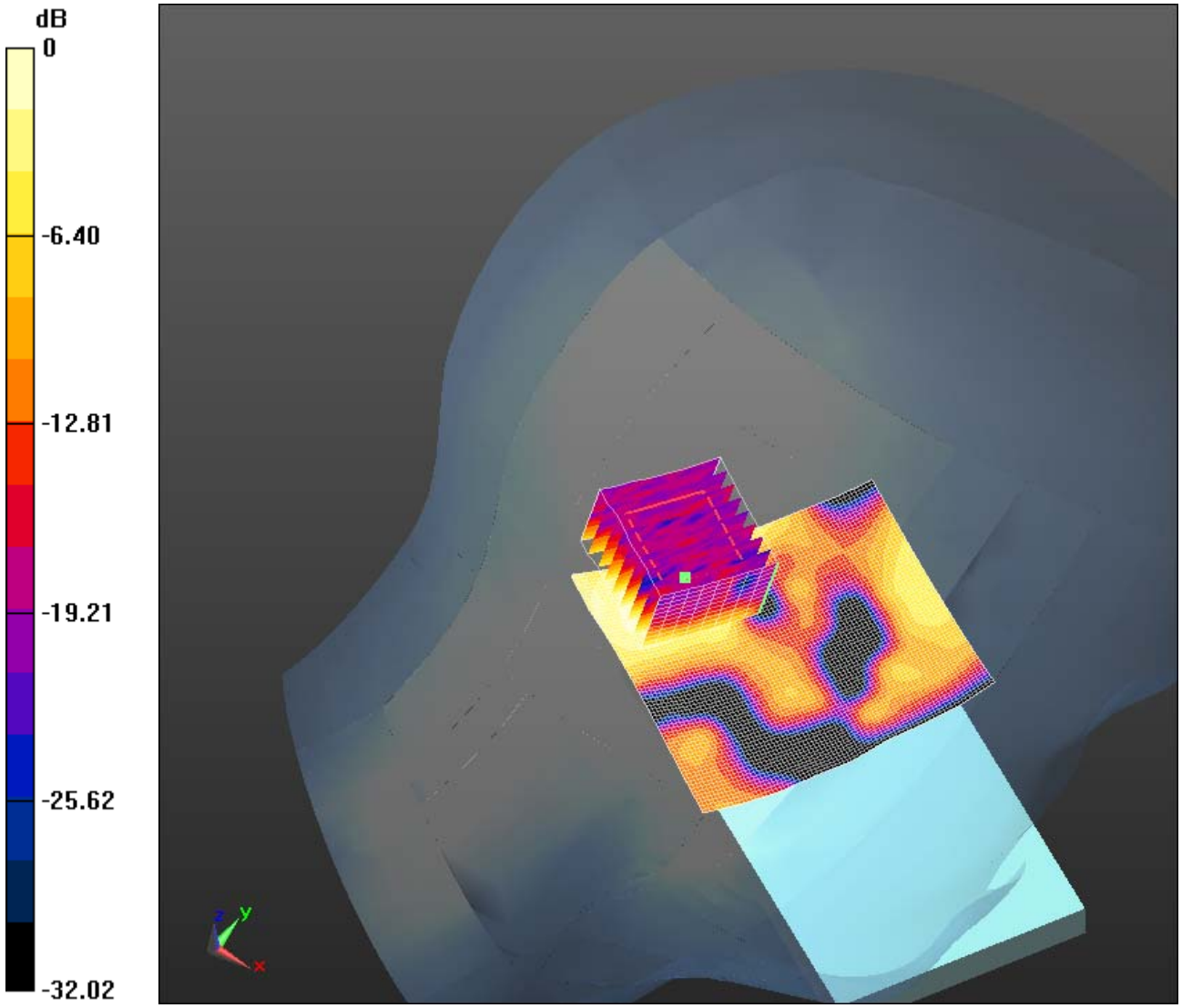
- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_24.3C_liq_temp_21.3C/Area Scan (81x71x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.367 W/kg

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan48_low_band_amb_temp_24.3C_liq_temp_21.3C/Zoom Scan (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.235 V/m; Power Drift = 0.27 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.074 W/kg
Maximum value of SAR (measured) = 0.345 W/kg



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

Date/Time: 1/14/2013 6:36:06 PM

Test Laboratory: RIM Testing Services

LHS_Head_SAR_802.11a_5200MHz_touch_chan52

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

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5260 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5260 MHz; σ = 4.756 S/m; ε_r = 34.182; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

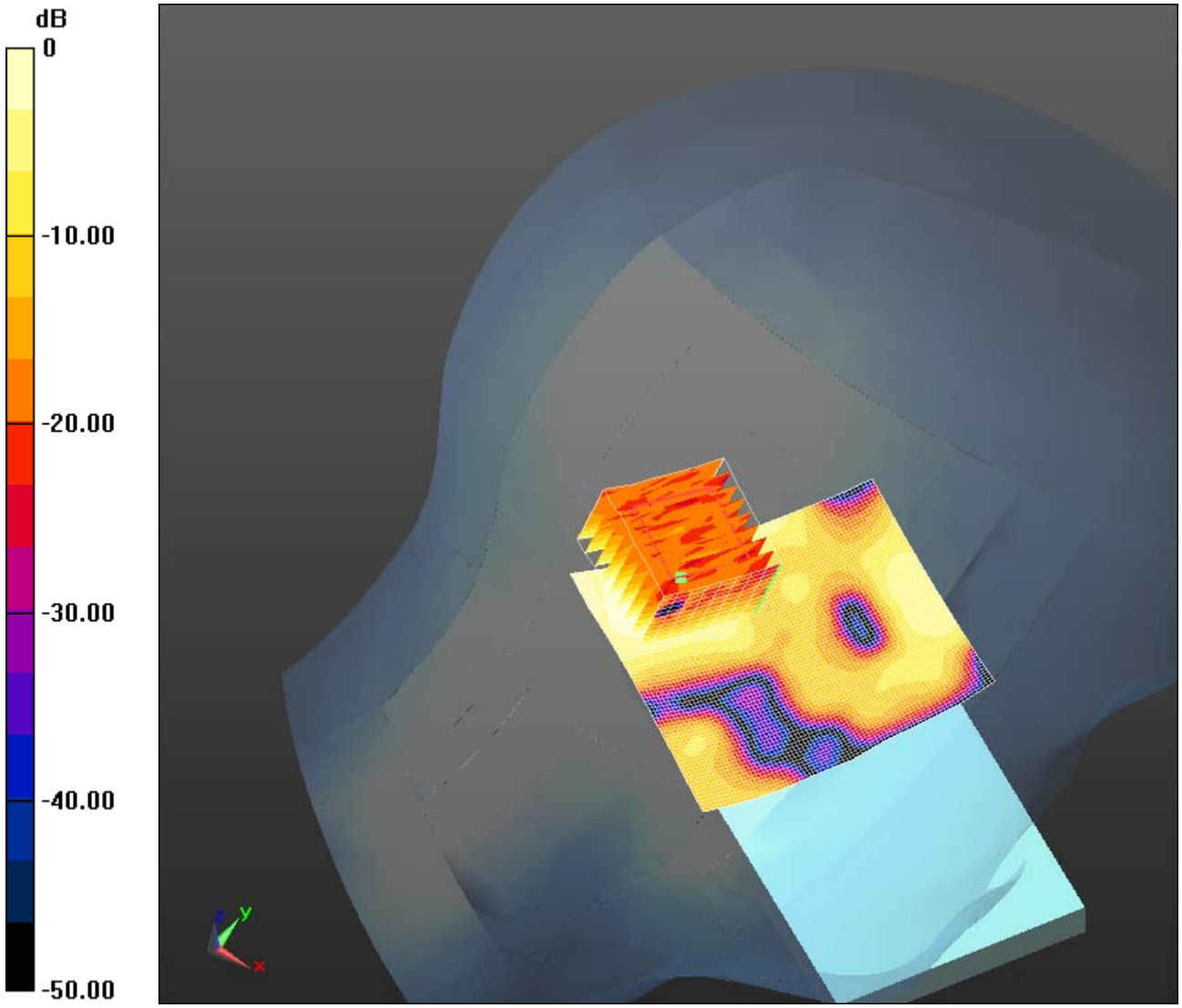
- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.3C/Area Scan (81x71x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.393 W/kg

Left-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_23.9C_liq_temp_21.3C/Zoom Scan (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.844 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.083 W/kg
Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg = -4.11 dBW/kg

Date/Time: 1/14/2013 7:21:49 PM

Test Laboratory: RIM Testing Services

LHS_Head_SAR_802.11a_5500MHz_touch_chan104

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

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5520 MHz; σ = 5.123 S/m; ε_r = 34.126; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

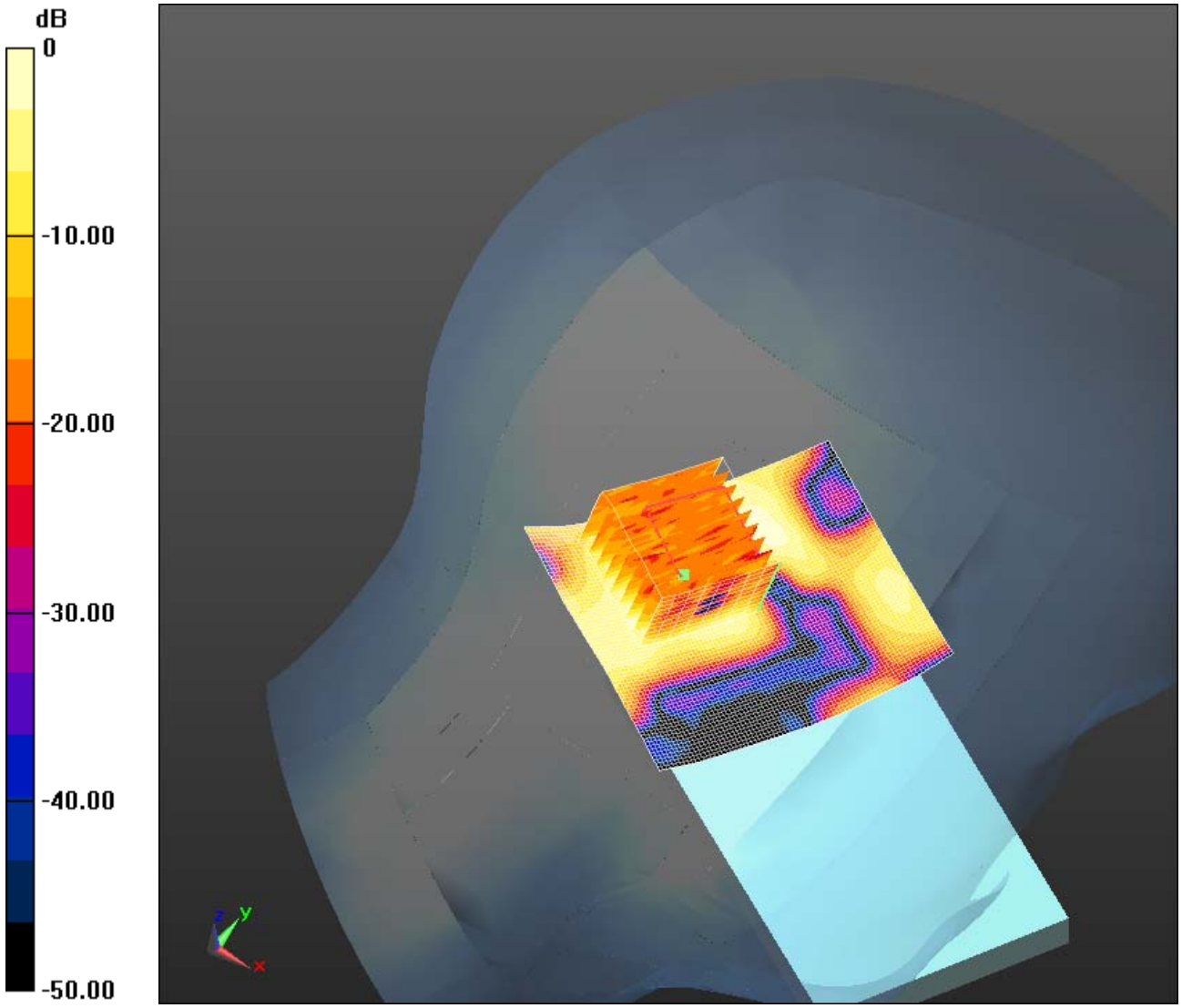
- Probe: EX3DV4 - SN3592; ConvF(4.28, 4.28, 4.28); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Left-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_21.3C/Area Scan (81x71x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.318 W/kg

Left-Hand-Side HSL 5500 MHz/Touch Position - 802.11a_chan104_Upper_bandI_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.009 V/m; Power Drift = 0.49 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.061 W/kg
Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.309 W/kg = -5.10 dBW/kg

Date/Time: 1/14/2013 12:05:34 PM

Test Laboratory: RIM Testing Services

LHS_Head_SAR_802.11a_5800MHz_touch_chan149

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

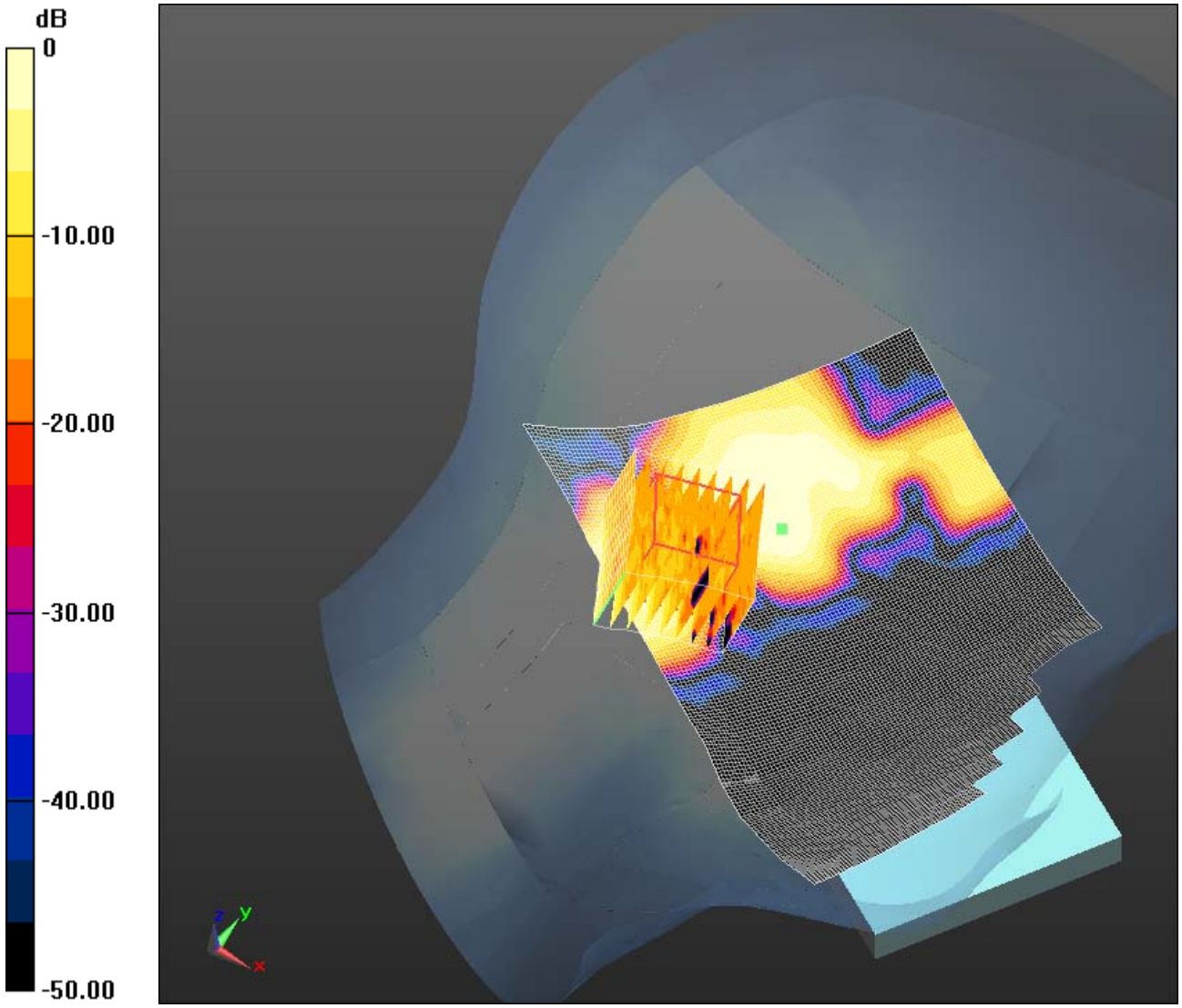
Communication System: 802.11a ; Communication System Band: 802.11a; Frequency: 5745 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5745 MHz; σ = 5.438 S/m; ε_r = 34.861; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

Left-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_24C_liq_temp_22.7C/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.228 W/kg

Left-Hand-Side HSL 5800 MHz/Touch Position - 802.11a_chan149_Upper_bandII_amb_temp_23.4C_liq_temp_22.6C 2/Zoom Scan (10x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.341 V/m; Power Drift = 0.75 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.026 W/kg
Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg = -7.47 dBW/kg

Date/Time: 1/15/2013 2:06:52 AM

Test Laboratory: RIM Testing Services

LHS_Head_SAR_802.11a_5200MHz_tilted_chan52

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

Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5260 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5260 MHz; σ = 4.756 S/m; ε_r = 34.182; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

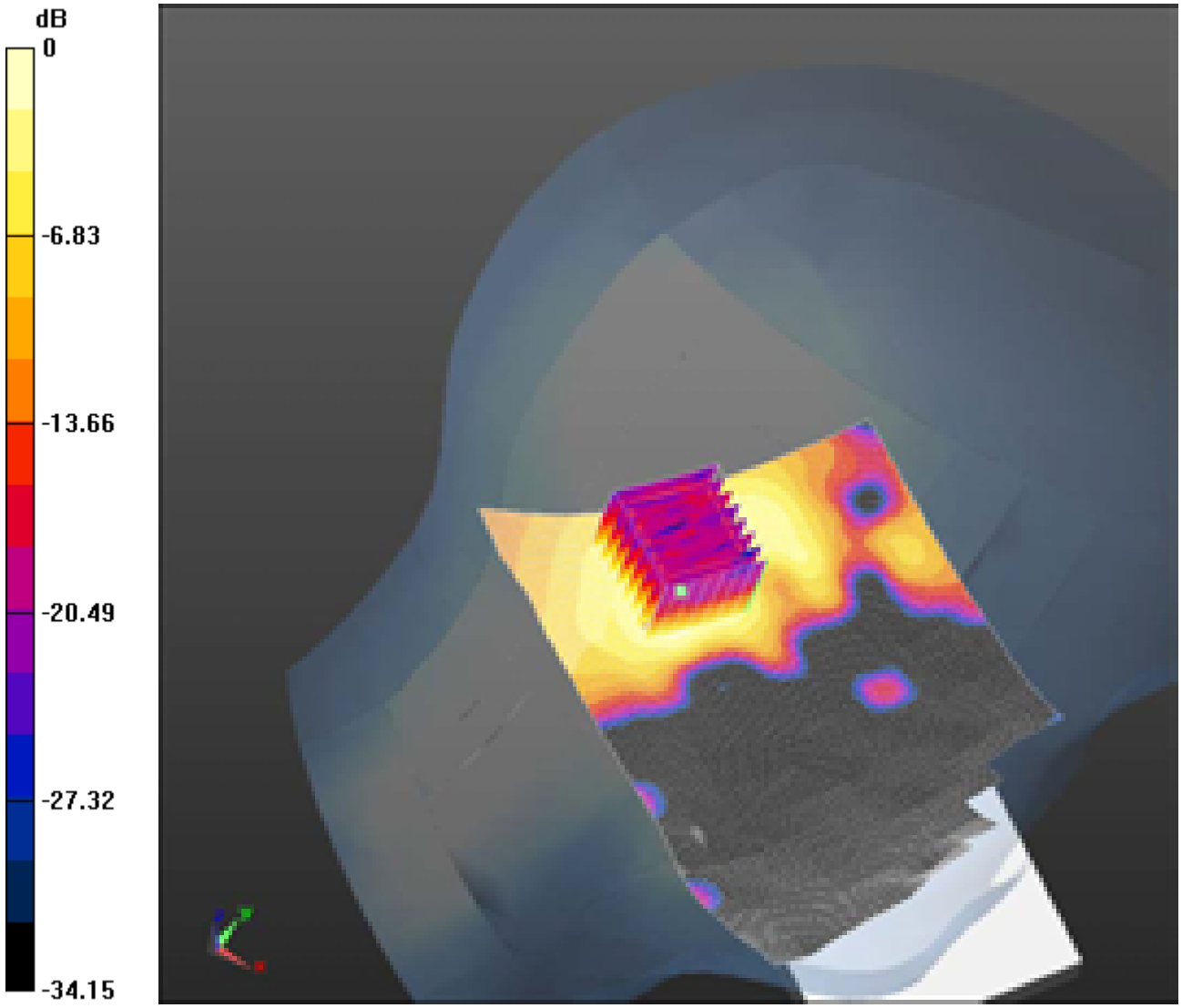
- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
  - Modulation Compensation:
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Left-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Area Scan (101x151x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.461 W/kg

Left-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_23.4C_liq_temp_21.3C/Zoom Scan (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.210 V/m; Power Drift = 0.38 dB
Peak SAR (extrapolated) = 0.886 W/kg
SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.474 W/kg



0 dB = 0.474 W/kg = -3.24 dBW/kg

Date/Time: 1/15/2013 10:17:57 AM

Test Laboratory: RIM Testing Services

RHS_Head_SAR_802.11a_5200MHz_tilted_chan52_2100mA

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

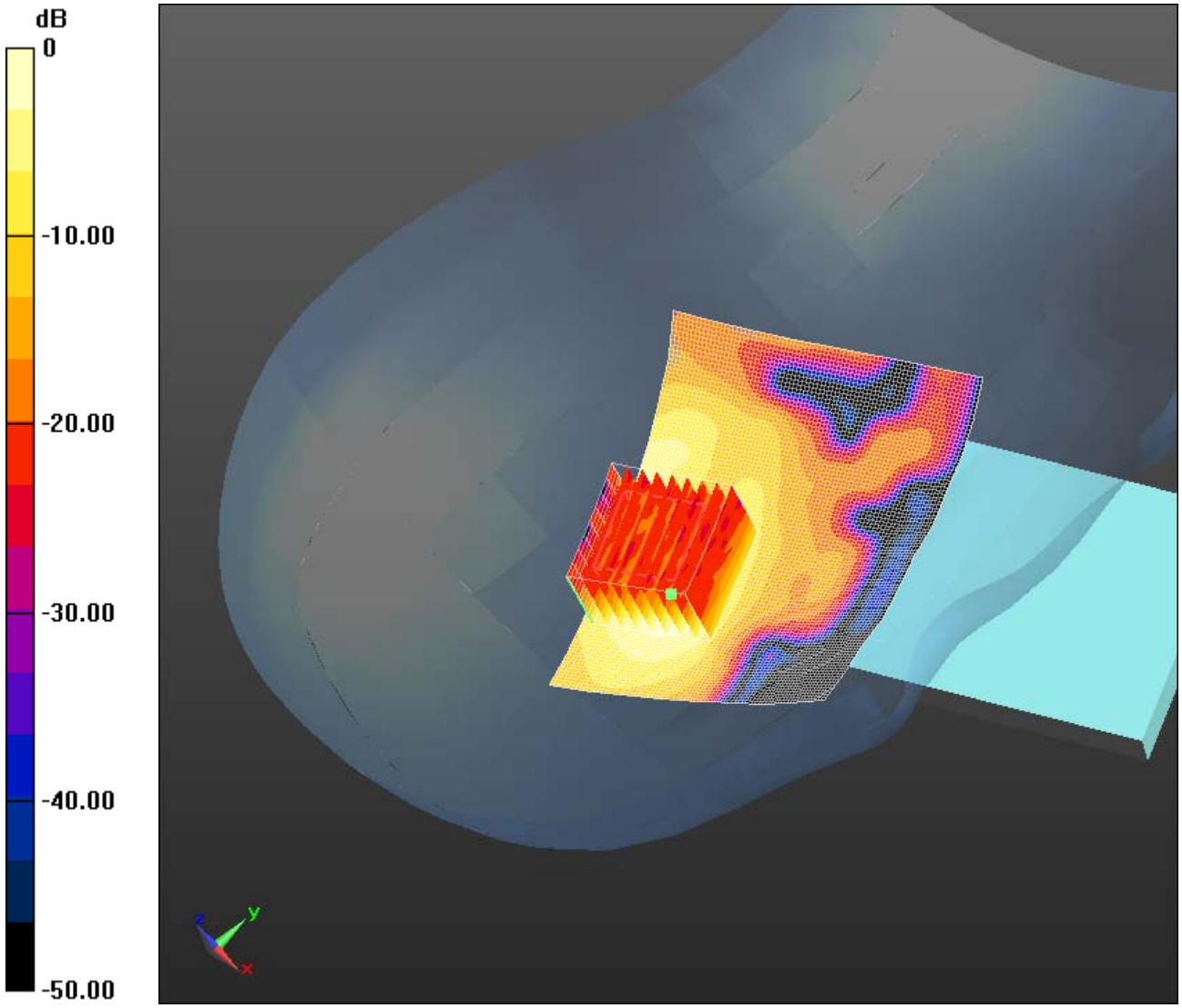
Communication System: 802.11a ; Communication System Band: Low and Mid Bands; Frequency: 5260 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: f = 5260 MHz; σ = 4.756 S/m; ε_r = 34.182; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_2100mA_batt_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C 2/Area Scan (101x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.743 W/kg

Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_2100mA_batt_chan52_low_band_amb_temp_23.9C_liq_temp_21.4C 2/Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 13.749 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.714 W/kg



0 dB = 0.714 W/kg = -1.46 dBW/kg

Date: 2/25/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2668C71D

Configuration: Right-Hand-Side HSL 802.11a 5200 MHz Rev3-03

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5260 MHz
Medium Parameters used: f=5260 MHz; σ = 4.809 S/m; ε_r = 34.502; ρ = 1.000 g/cm^3
Phantom section: Right Section

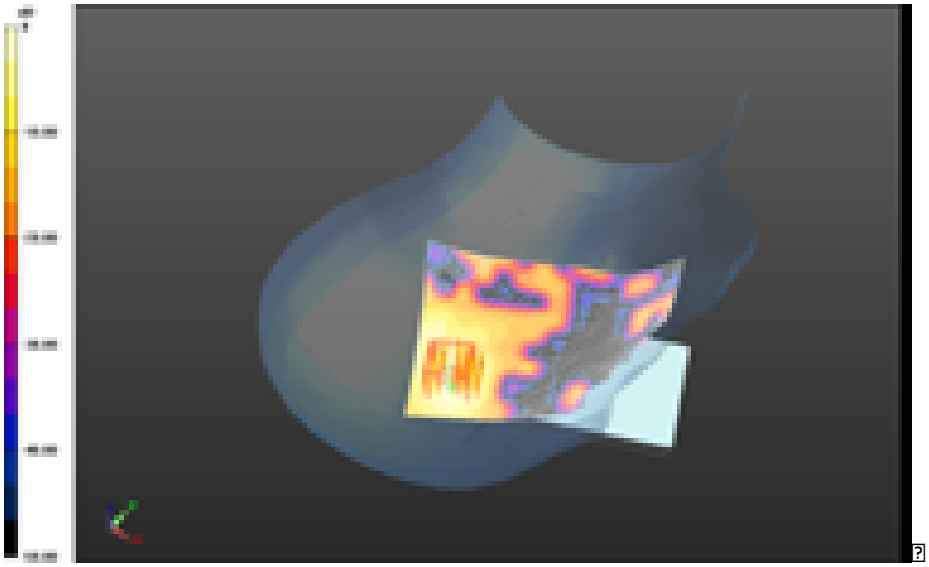
DASY Configuration:

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

Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_24.2C_liq_temp_21.7C/Area Scan (101x141x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

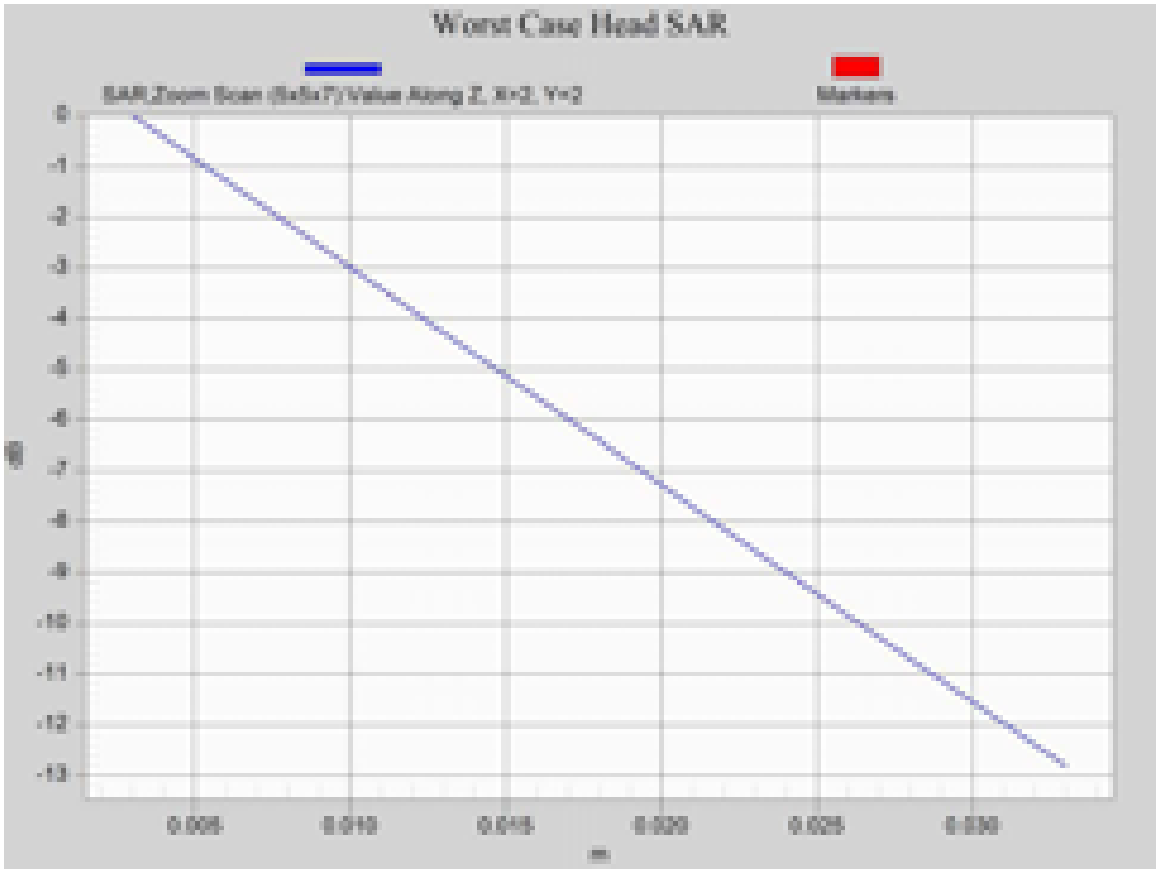
Right-Hand-Side HSL 5200 MHz/Tilt Position - 802.11a_chan52_low_band_amb_temp_24.2C_liq_temp_21.7C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 2.117 V/m; **Power Drift = 0.782 dB**

Averaged SAR: SAR(1g) = 0.103 W/kg; SAR(10g) = 0.0363 W/kg
Maximum value of SAR (interpolated) = 0.451 W/kg



0 dB = 0.192 W/kg = -7.17 dBW/kg

Z axis plot for the worst case head configuration



RFP121LW

LTE 5

Date: 2/5/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2641D6A8

Configuration: Left-Hand-Side HSL_LTE 5

Communication System: LTE 5; Communication System Band: LTE 5; Frequency: 836.5 MHz
Medium Parameters used: f=836.5 MHz; σ = 0.899 S/m; ε_r = 40.023; ρ = 1.000 g/cm^3
Phantom section: Left Section

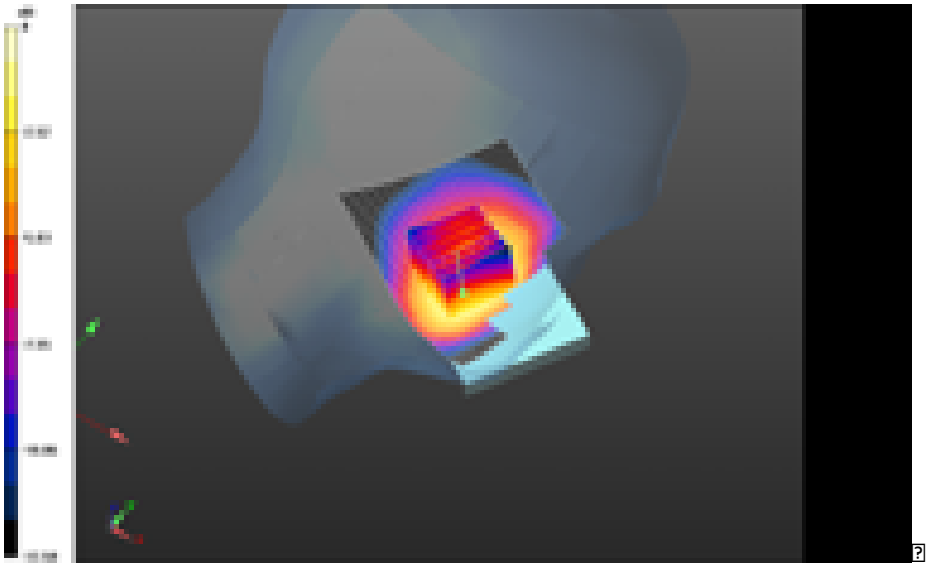
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side
HSL/Left_Head_Touch_LTE_5_Mid_Chan_QPSK_RB1_Offset0_Amb_Tem_23.3C_Liq_Tem_22.1C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.406 W/kg

Left-Hand-Side
HSL/Left_Head_Touch_LTE_5_Mid_Chan_QPSK_RB1_Offset0_Amb_Tem_23.3C_Liq_Tem_22.1C/Zoom Scan (5x5x7) (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.587 V/m; **Power Drift = -0.032 dB**

Averaged SAR: SAR(1g) = 0.382 W/kg; SAR(10g) = 0.279 W/kg
Maximum value of SAR (interpolated) = 0.481 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg

Date: 2/5/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Right-Hand-Side HSL_LTE 5

Communication System: LTE 5; Communication System Band: LTE 5; Frequency: 836.5 MHz
Medium Parameters used: f=836.5 MHz; σ = 0.899 S/m; ε_r = 40.023; ρ = 1.000 g/cm^3
Phantom section: Right Section

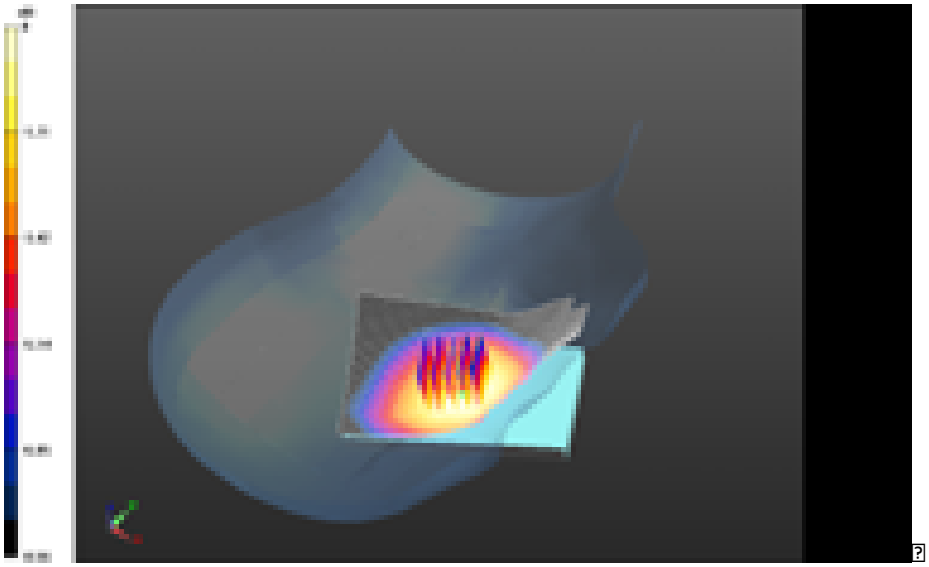
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL/Touch Position - LTE_5_Mid_chan_QPSK_RB1_Off0_amb_temp_23.6C_liq_temp_21.7C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.311 W/kg

Right-Hand-Side HSL/Touch Position - LTE_5_Mid_chan_QPSK_RB1_Off0_amb_temp_23.6C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.750 V/m; **Power Drift = 0.056 dB**

Averaged SAR: SAR(1g) = 0.288 W/kg; SAR(10g) = 0.221 W/kg
Maximum value of SAR (interpolated) = 0.356 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

EDGE 850

Date: 2/5/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Right-Hand-Side HSL EDGE850

Communication System: GSM 850; Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; σ = 0.899 S/m; ε_r = 40.018; ρ = 1.000 g/cm^3
Phantom section: Right Section

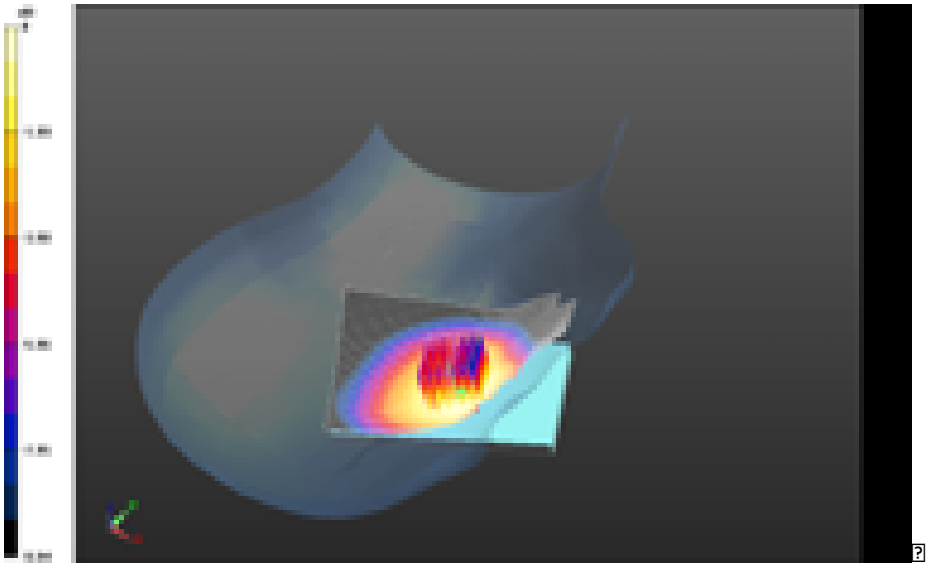
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL/Touch Position - GSM850_2100mA_Mid_chan_amb_temp_24.4C_liq_temp_21.9C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.572 W/kg

Right-Hand-Side HSL/Touch Position - GSM850_2100mA_Mid_chan_amb_temp_24.4C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 9.689 V/m; **Power Drift = -0.026 dB**

Averaged SAR: SAR(1g) = 0.530 W/kg; SAR(10g) = 0.409 W/kg
Maximum value of SAR (interpolated) = 0.634 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

Date: 2/5/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Left-Hand-Side HSL EDGE850

Communication System: EDGE 850 (4 slots); Communication System Band: EDGE (4 slots);
Frequency: 848.8 MHz
Medium Parameters used: f=848.8 MHz; σ = 0.910 S/m; ε_r = 39.827; ρ = 1.000 g/cm^3
Phantom section: Left Section

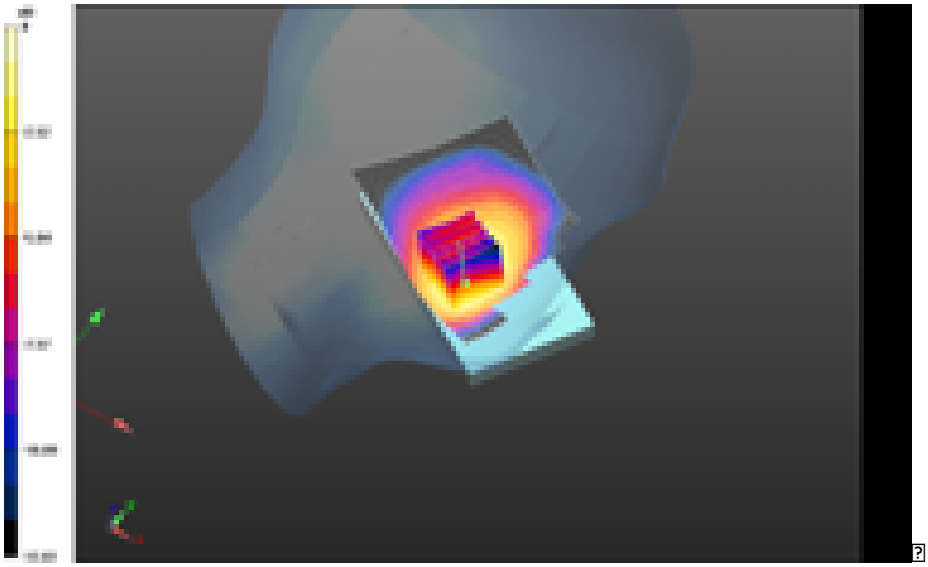
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL/Touch Position - EDGE850_4-Slots_2100mA_High_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (81x111x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.708 W/kg

Left-Hand-Side HSL/Touch Position - EDGE850_4-Slots_2100mA_High_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.714 V/m; **Power Drift = 0.229 dB**

Averaged SAR: SAR(1g) = 0.666 W/kg; SAR(10g) = 0.470 W/kg
Maximum value of SAR (interpolated) = 0.871 W/kg



0 dB = 0.717 W/kg = -1.44 dBW/kg

UMTS Band V

Date: 2/6/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Right-Hand-Side HSL_UMTS Band V

Communication System: WCDMA FDD V; Communication System Band: UMTS band V;
Frequency: 836.4 MHz
Medium Parameters used: f=836.4 MHz; σ = 0.899 S/m; ε_r = 40.025; ρ = 1.000 g/cm^3
Phantom section: Right Section

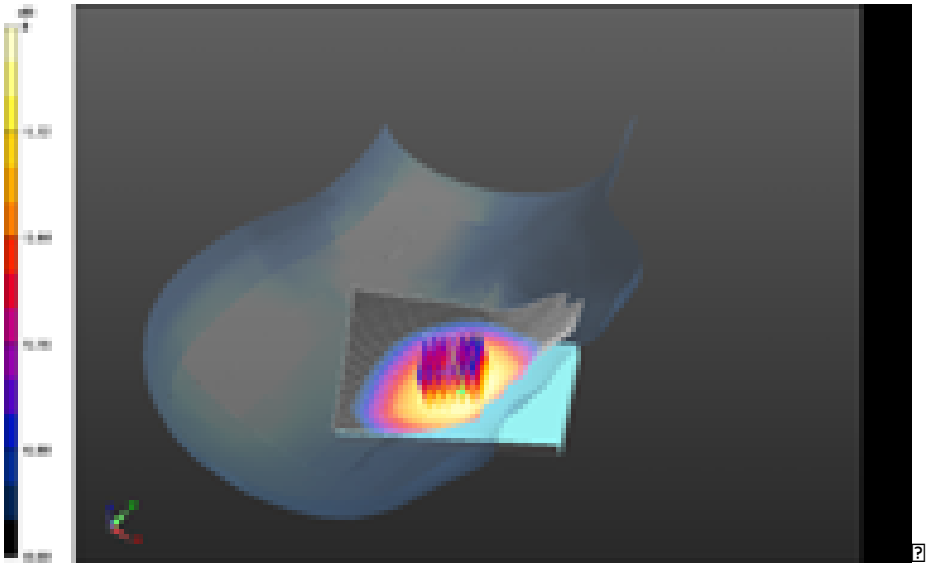
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL_UMTS Band V/Touch Position - UMTS_Band_V_2100mA_Mid_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.591 W/kg

Right-Hand-Side HSL_UMTS Band V/Touch Position - UMTS_Band_V_Mid_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 10.171 V/m; **Power Drift = -0.00255 dB**

Averaged SAR: SAR(1g) = 0.552 W/kg; SAR(10g) = 0.423 W/kg
Maximum value of SAR (interpolated) = 0.668 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg

Date: 2/5/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Left-Hand-Side HSL_UMTS Band V

Communication System: WCDMA FDD V; Communication System Band: UMTS band V;
Frequency: 846.6 MHz
Medium Parameters used: f=846.6 MHz; σ = 0.909 S/m; ε_r = 39.853; ρ = 1.000 g/cm^3
Phantom section: Left Section

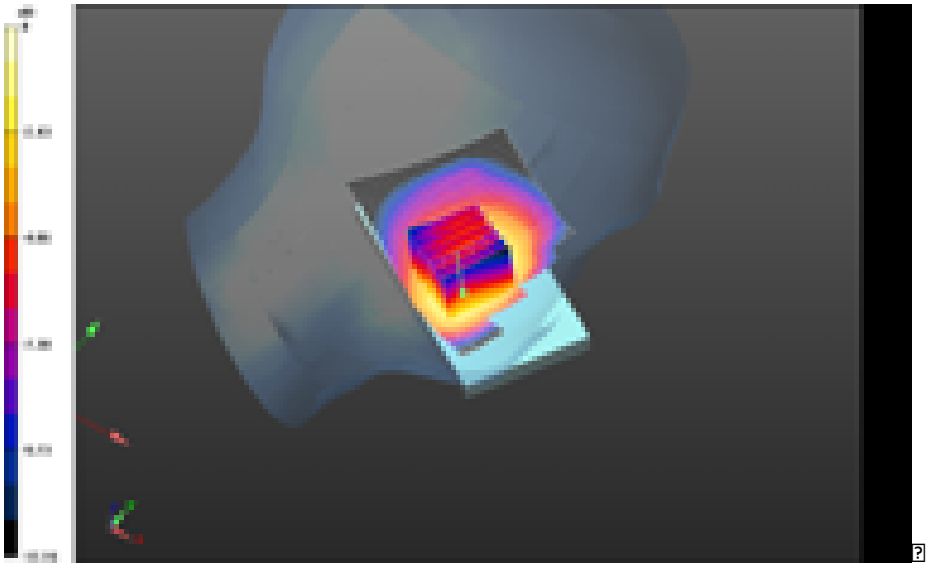
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (6.24,6.24,6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL_UMTS Band V/Touch Position - UMTS_Band_V_2100mA_High_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.820 W/kg

Left-Hand-Side HSL_UMTS Band V/Touch Position - UMTS_Band_V_2100mA_High_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.353 V/m; **Power Drift = -0.142 dB**

Averaged SAR: SAR(1g) = 0.773 W/kg; SAR(10g) = 0.561 W/kg
Maximum value of SAR (interpolated) = 1.00 W/kg



0 dB = 0.821 W/kg = -0.86 dBW/kg

LTE 4

Date: 2/1/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

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

Communication System: LTE 4; Communication System Band: LTE 4; Frequency: 1745 MHz
Medium Parameters used: f=1745 MHz; σ = 1.415 S/m; ε_r = 38.513; ρ = 1.000 g/cm^3
Phantom section: Left Section

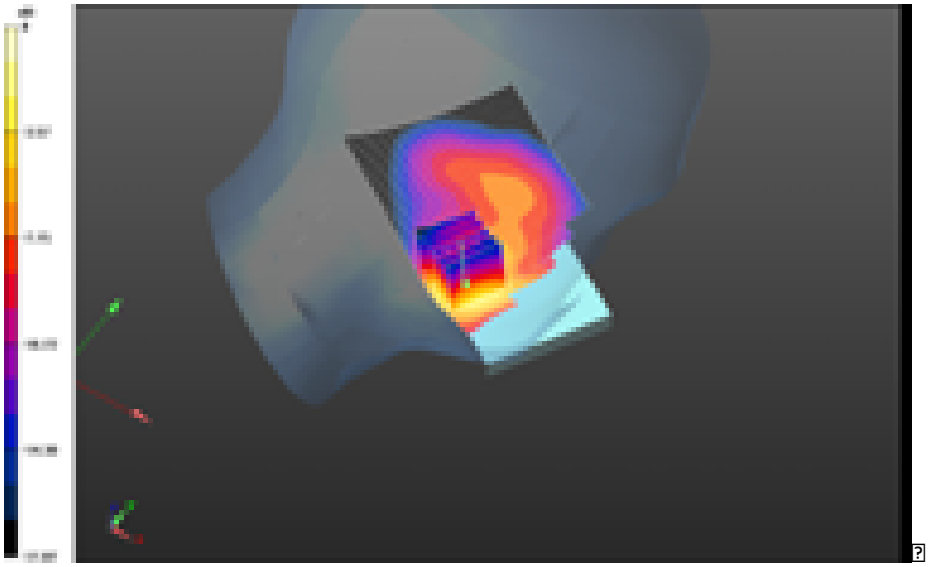
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_High_chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.54 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_High_chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.779 V/m; **Power Drift = -0.049 dB**

Averaged SAR: SAR(1g) = 1.36 W/kg; SAR(10g) = 0.778 W/kg
Maximum value of SAR (interpolated) = 2.14 W/kg

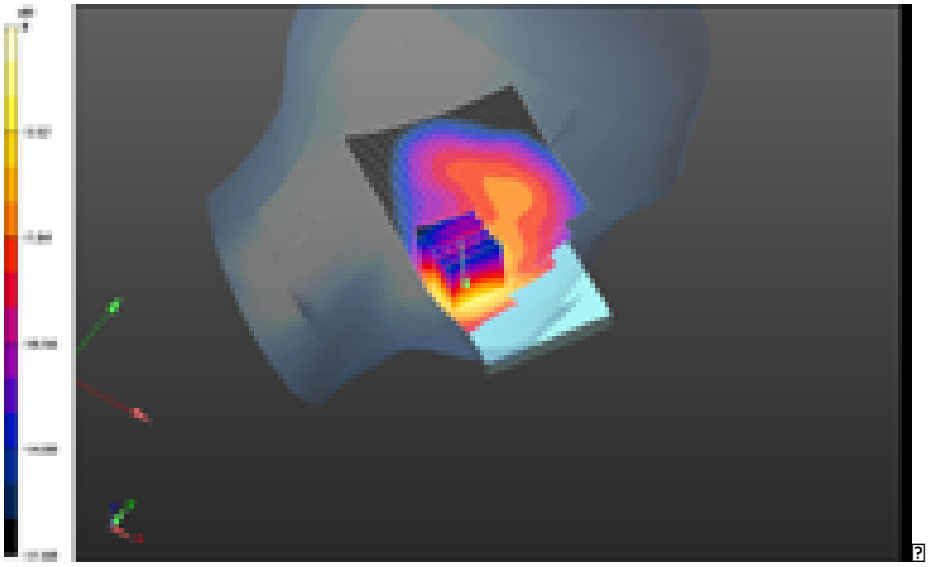


0 dB = 1.53 W/kg = 1.85 dBW/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_2nd_Scan_High_chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_2nd_Scan_High_chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.929 V/m; **Power Drift = 0.063 dB**

Averaged SAR: SAR(1g) = 1.37 W/kg; SAR(10g) = 0.785 W/kg
Maximum value of SAR (interpolated) = 2.14 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

UMTS Band IV

Date: 2/1/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

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

Communication System: WCDMA FDD IV; Communication System Band: UMTS band IV;
Frequency: 1732.6 MHz
Medium Parameters used: f=1732.6 MHz; σ = 1.405 S/m; ε_r = 38.567; ρ = 1.000 g/cm^3
Phantom section: Right Section

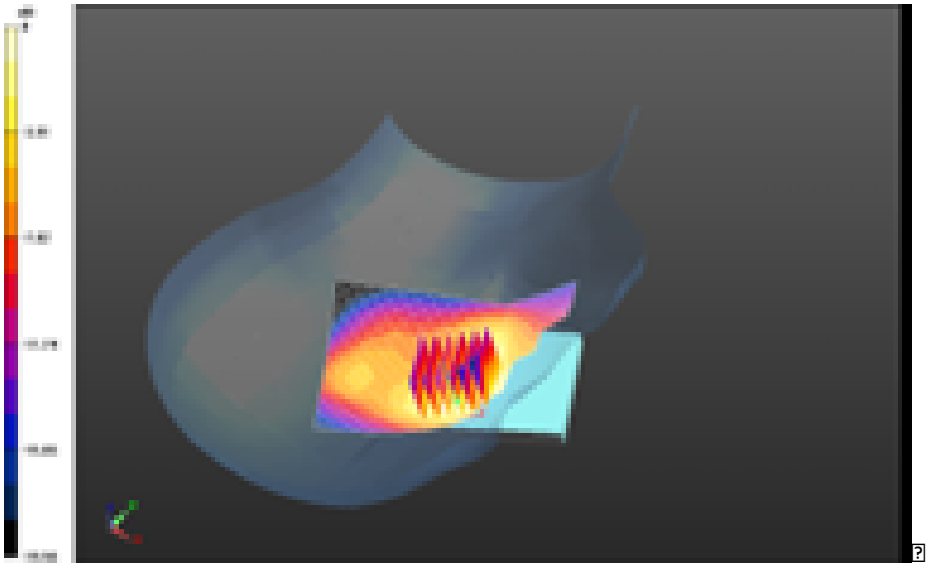
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Mid_chan_amb_temp_23.2C_liq_temp_21.9C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.577 W/kg

Right-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Mid_chan_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (26x26x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.863 V/m; **Power Drift = 0.090 dB**

Averaged SAR: SAR(1g) = 0.531 W/kg; SAR(10g) = 0.339 W/kg
Maximum value of SAR (interpolated) = 0.748 W/kg

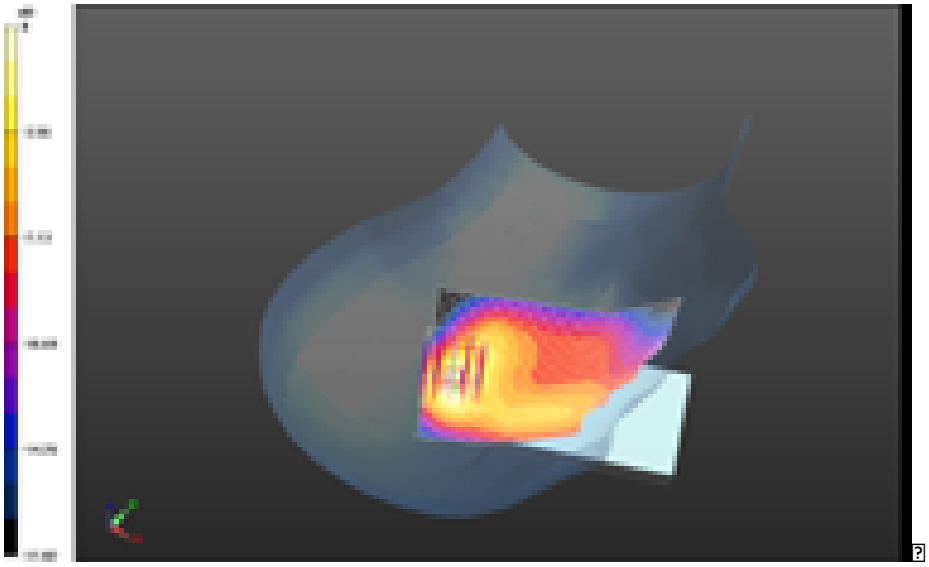


0 dB = 0.580 W/kg = -2.37 dBW/kg

Right-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS_IV_Mid_chan_amb_temp_23.2C_liq_temp_21.9C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.464 W/kg

Right-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS_IV_Mid_chan_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 15.833 V/m; **Power Drift = -0.039 dB**

Averaged SAR: SAR(1g) = 0.399 W/kg; SAR(10g) = 0.221 W/kg
Maximum value of SAR (interpolated) = 0.629 W/kg



0 dB = 0.580 W/kg = -2.37 dBW/kg

Date: 2/1/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

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

Communication System: WCDMA FDD IV; Communication System Band: UMTS band IV;
Frequency: 1712.4 MHz
Medium Parameters used: f=1712.4 MHz; σ = 1.383 S/m; ε_r = 38.683; ρ = 1.000 g/cm^3
Phantom section: Left Section

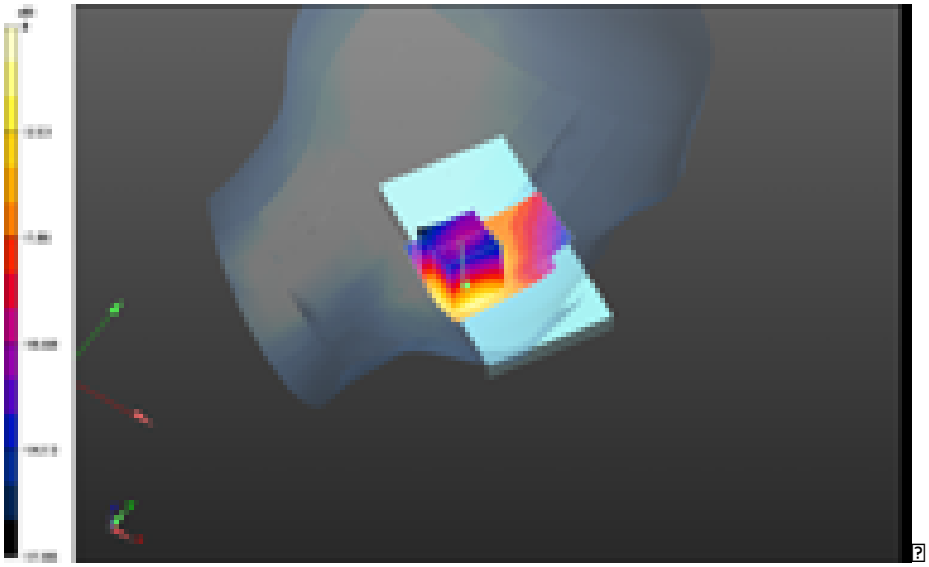
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Low_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (51x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Low_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 12.348 V/m; **Power Drift = -0.028 dB**

Averaged SAR: SAR(1g) = 1.29 W/kg; SAR(10g) = 0.743 W/kg
Maximum value of SAR (interpolated) = 1.97 W/kg

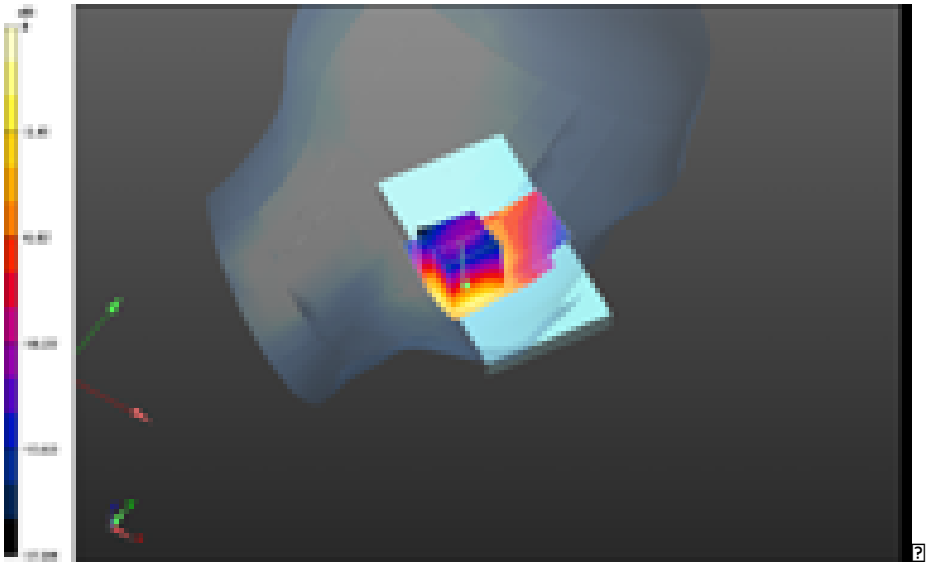


0 dB = 1.44 W/kg = 1.58 dBW/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_2nd Scan_Low_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (51x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_2nd Scan_Low_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 12.129 V/m; **Power Drift = 0.071 dB**

Averaged SAR: SAR(1g) = 1.28 W/kg; SAR(10g) = 0.741 W/kg
Maximum value of SAR (interpolated) = 1.97 W/kg

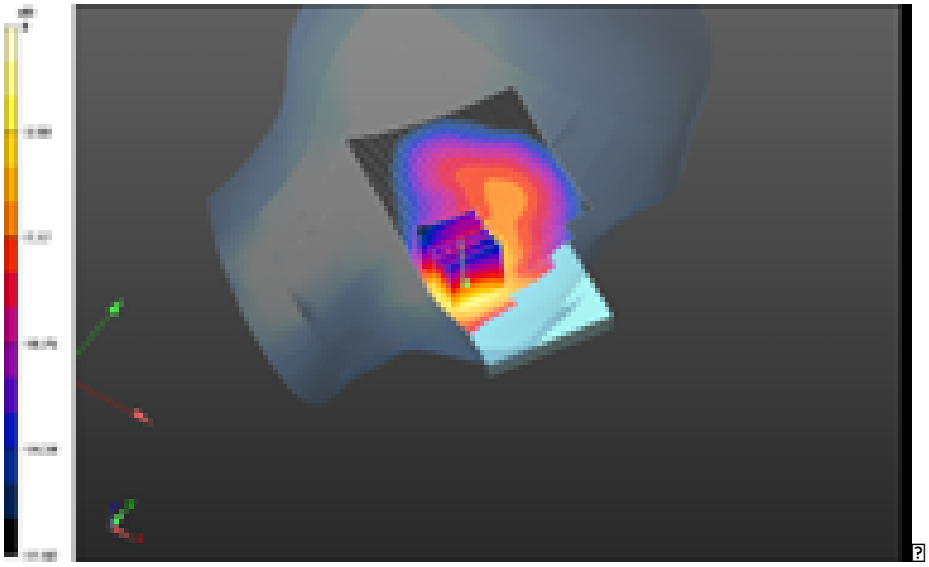


0 dB = 1.44 W/kg = 1.58 dBW/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Mid_chan_amb_temp_23.0C_liq_temp_21.9C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_Mid_chan_amb_temp_23.0C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.818 V/m; **Power Drift = 0.032 dB**

Averaged SAR: SAR(1g) = 1.16 W/kg; SAR(10g) = 0.669 W/kg
Maximum value of SAR (interpolated) = 1.79 W/kg

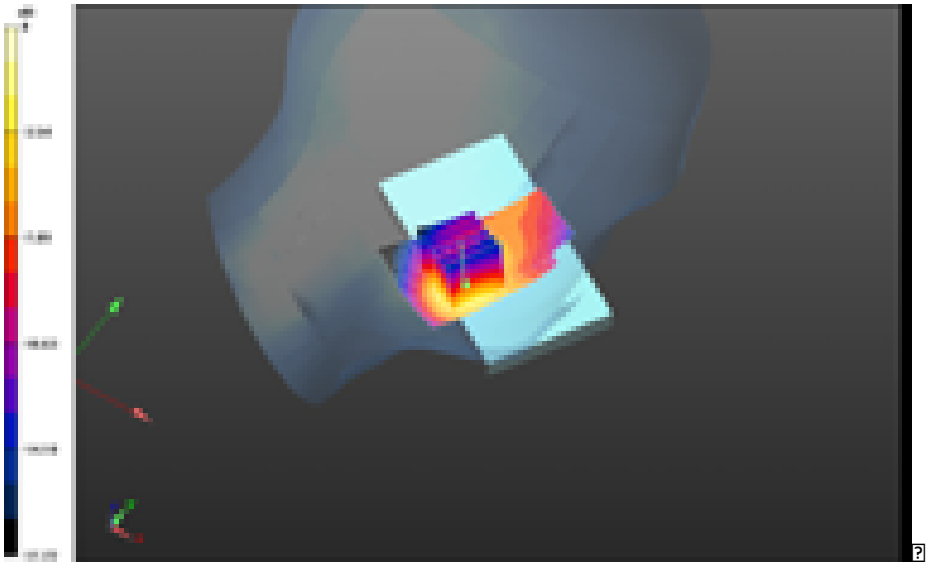


0 dB = 1.43 W/kg = 1.55 dBW/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_High_chan_amb_temp_23.3C_liq_temp_21.9C/Area Scan (61x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Left-Hand-Side HSL - UMTS Band IV/Touch Position - UMTS_IV_High_chan_amb_temp_23.3C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.960 V/m; **Power Drift = -0.00124 dB**

Averaged SAR: SAR(1g) = 1.25 W/kg; SAR(10g) = 0.719 W/kg
Maximum value of SAR (interpolated) = 1.98 W/kg

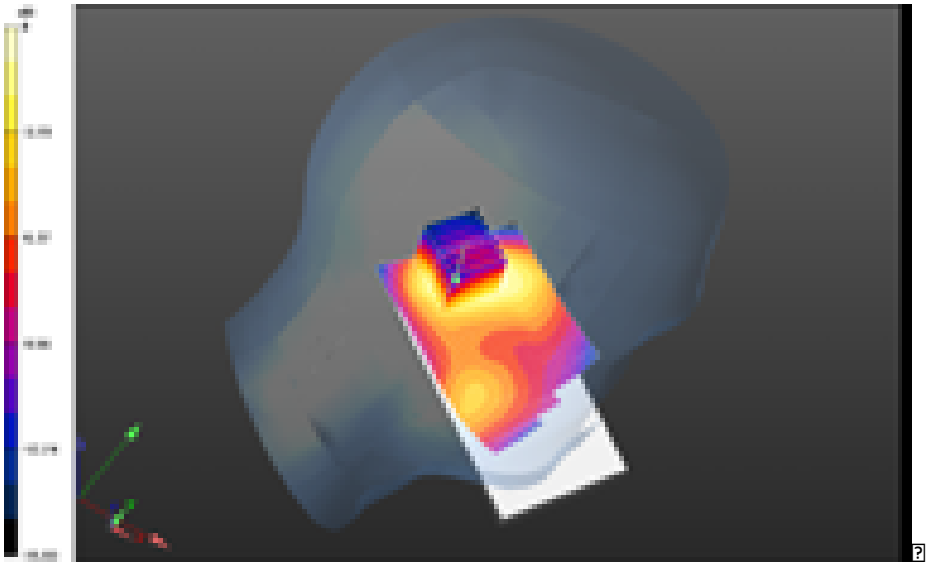


0 dB = 1.30 W/kg = 1.14 dBW/kg

Left-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS_IV_Mid_chan_amb_temp_23.0C_liq_temp_21.9C/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.431 W/kg

Left-Hand-Side HSL - UMTS Band IV/Tilt Position - UMTS_IV_Mid_chan_amb_temp_23.0C_liq_temp_21.9C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 16.985 V/m; **Power Drift = 0.104 dB**

Averaged SAR: SAR(1g) = 0.379 W/kg; SAR(10g) = 0.232 W/kg
Maximum value of SAR (interpolated) = 0.536 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

LTE 2

Date: 2/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 26703205

Configuration: Right-Hand-Side HSL - LTE 2

Communication System: LTE band 2; Communication System Band: LTE band 2; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.372 S/m; ε_r = 38.538; ρ = 1.000 g/cm^3
Phantom section: Right Section

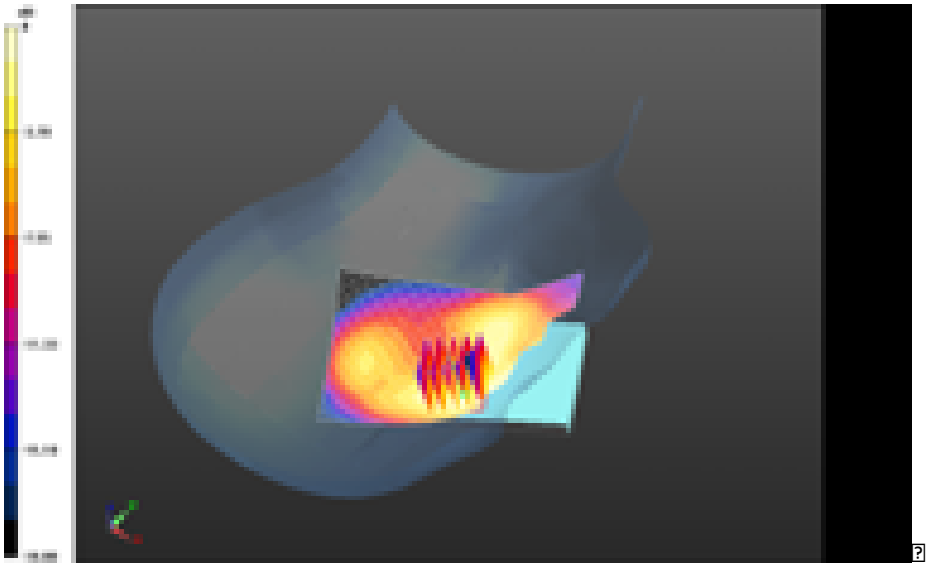
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Off_0_amb_temp_23.4C_liq_temp_21.7C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.542 W/kg

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Off_0_amb_temp_23.4C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.170 V/m; **Power Drift = 0.066 dB**

Averaged SAR: SAR(1g) = 0.488 W/kg; SAR(10g) = 0.309 W/kg
Maximum value of SAR (interpolated) = 0.693 W/kg

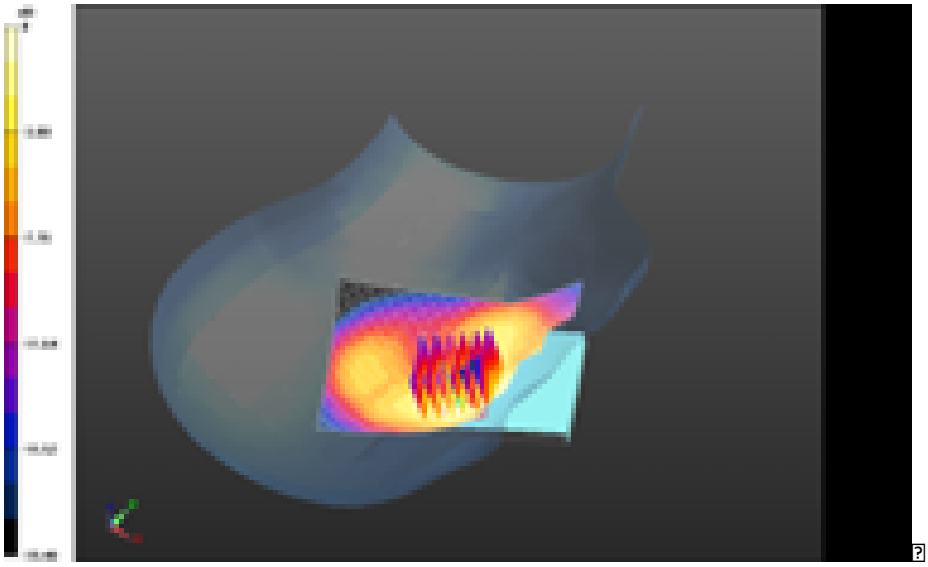


0 dB = 0.528 W/kg = -2.77 dBW/kg

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Off_99_amb_temp_23.4C_liq_temp_21.7C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.590 W/kg

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Off_99_amb_temp_23.4C_liq_temp_21.7C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 12.963 V/m; **Power Drift = -0.028 dB**

Averaged SAR: SAR(1g) = 0.531 W/kg; SAR(10g) = 0.339 W/kg
Maximum value of SAR (interpolated) = 0.765 W/kg

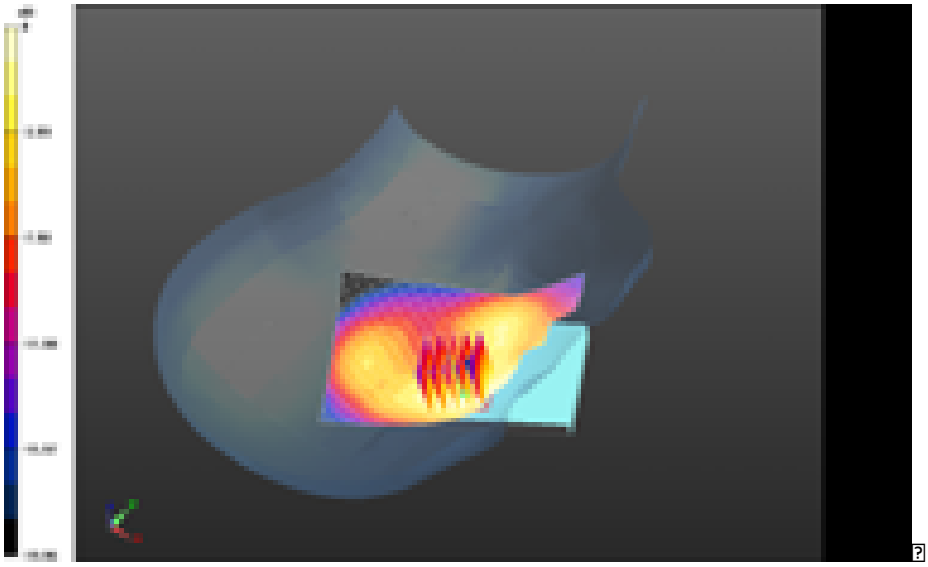


0 dB = 0.528 W/kg = -2.77 dBW/kg

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_WPSK_RB_50_Off_50_amb_temp_23.4C_liq_temp_21.7C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.460 W/kg

Right-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_WPSK_RB_50_Off_50_amb_temp_23.4C_liq_temp_21.7C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.595 V/m; **Power Drift = -0.032 dB**

Averaged SAR: SAR(1g) = 0.407 W/kg; SAR(10g) = 0.256 W/kg
Maximum value of SAR (interpolated) = 0.567 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg

Date: 2/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 26703205

Configuration: Left-Hand-Side HSL - LTE 2

Communication System: LTE band 2; Communication System Band: LTE band 2; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.372 S/m; ε_r = 38.538; ρ = 1.000 g/cm^3
Phantom section: Left Section

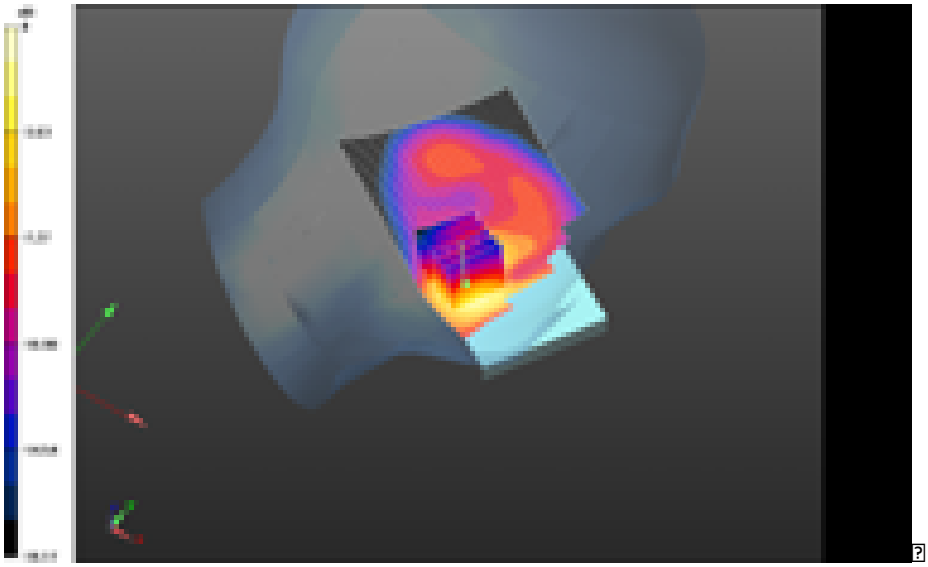
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.499 V/m; **Power Drift = 0.061 dB**

Averaged SAR: SAR(1g) = 1.04 W/kg; SAR(10g) = 0.590 W/kg
Maximum value of SAR (interpolated) = 1.61 W/kg

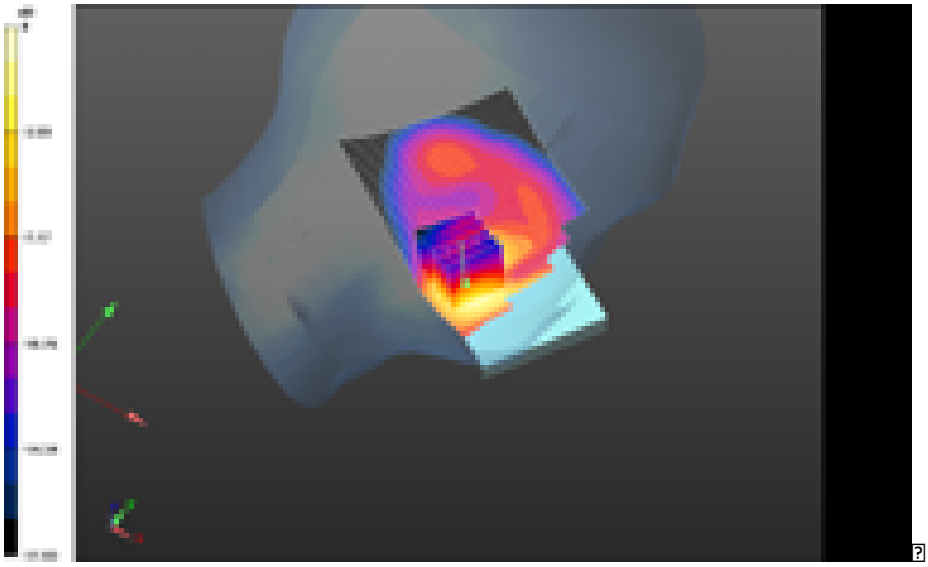


0 dB = 1.17 W/kg = 0.68 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_50_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_50_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.496 V/m; **Power Drift = -0.081 dB**

Averaged SAR: SAR(1g) = 1.01 W/kg; SAR(10g) = 0.580 W/kg
Maximum value of SAR (interpolated) = 1.59 W/kg

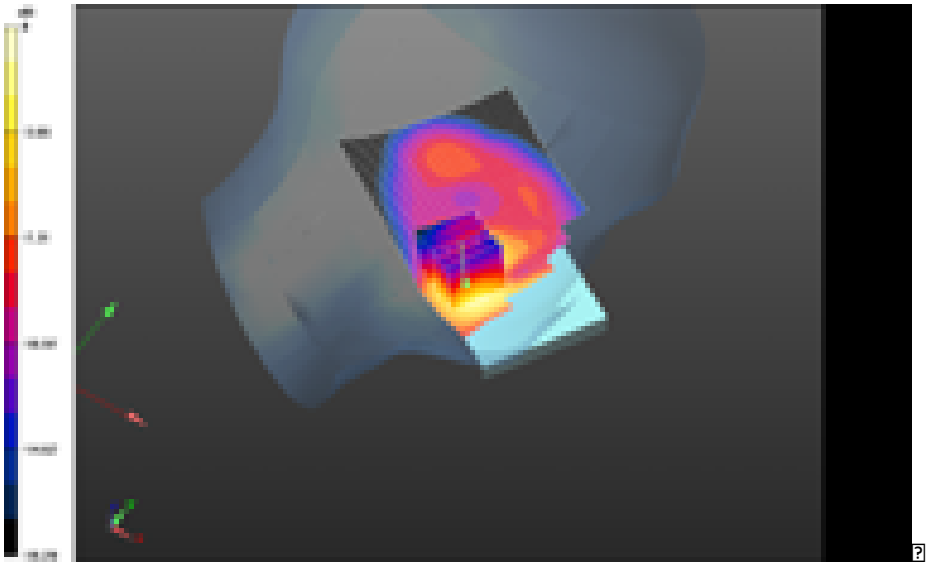


0 dB = 1.17 W/kg = 0.68 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_1_Offset_99_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.549 V/m; **Power Drift = -0.022 dB**

Averaged SAR: SAR(1g) = 1.03 W/kg; SAR(10g) = 0.587 W/kg
Maximum value of SAR (interpolated) = 1.58 W/kg

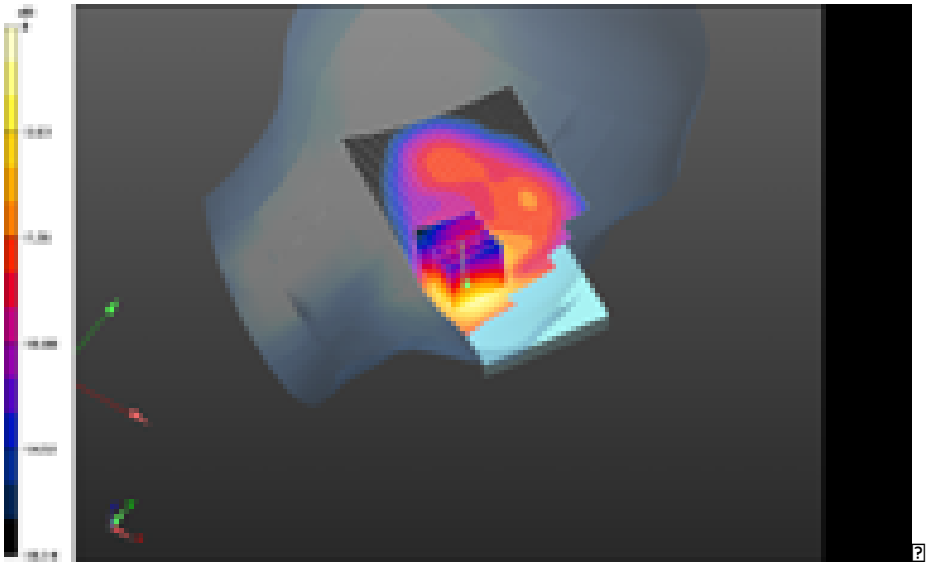


0 dB = 1.14 W/kg = 0.57 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Low_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Low_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.407 V/m; **Power Drift = -0.120 dB**

Averaged SAR: SAR(1g) = 1.01 W/kg; SAR(10g) = 0.582 W/kg
Maximum value of SAR (interpolated) = 1.55 W/kg

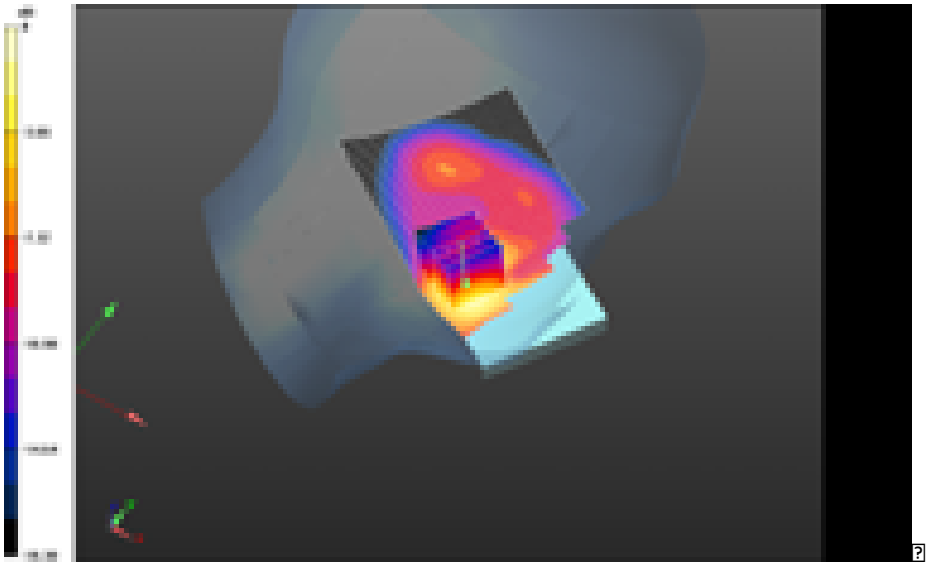


0 dB = 1.16 W/kg = 0.64 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_High_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_High_Chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.019 V/m; **Power Drift = -0.041 dB**

Averaged SAR: SAR(1g) = 0.942 W/kg; SAR(10g) = 0.536 W/kg
Maximum value of SAR (interpolated) = 1.45 W/kg

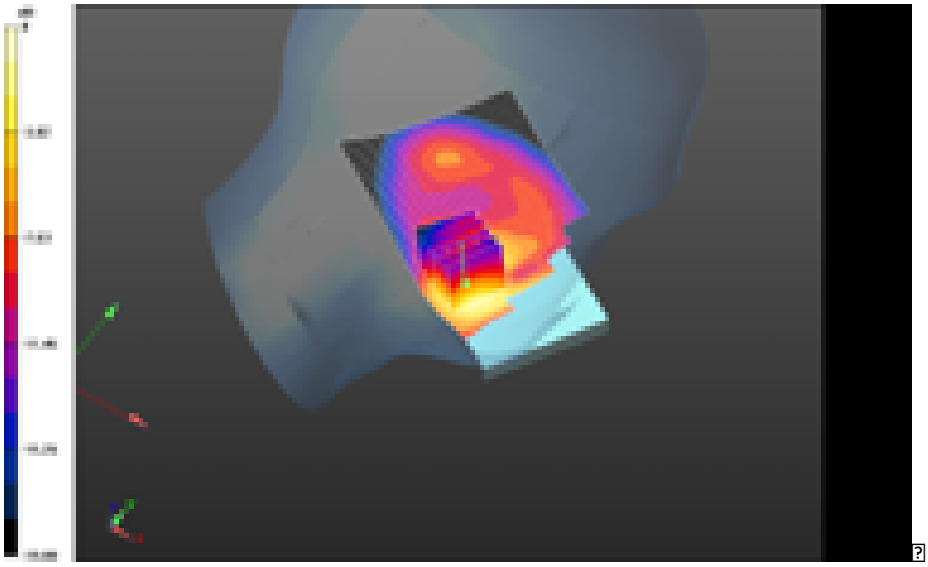


0 dB = 1.12 W/kg = 0.49 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_50_Offset_50_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.872 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_50_Offset_50_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.879 V/m; **Power Drift = 0.020 dB**

Averaged SAR: SAR(1g) = 0.800 W/kg; SAR(10g) = 0.454 W/kg
Maximum value of SAR (interpolated) = 1.25 W/kg

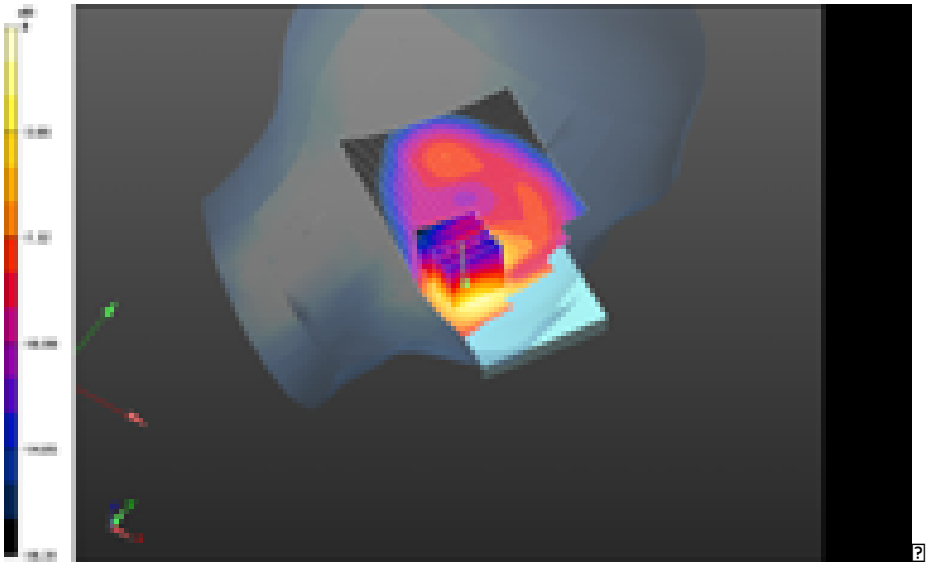


0 dB = 1.06 W/kg = 0.25 dBW/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_100_Offset_0_amb_temp_23.4_liq_temp_21.5C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.875 W/kg

Left-Hand-Side HSL - LTE 2/Touch Position - LTE_2_Mid_Chan_QPSK_RB_100_Offset_0_amb_temp_23.4_liq_temp_21.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.876 V/m; **Power Drift = 0.043 dB**

Averaged SAR: SAR(1g) = 0.792 W/kg; SAR(10g) = 0.449 W/kg
Maximum value of SAR (interpolated) = 1.25 W/kg



0 dB = 0.889 W/kg = -0.51 dBW/kg

UMTS Band II

Date: 2/15/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 26703205

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

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.372 S/m; ε_r = 38.538; ρ = 1.000 g/cm^3
Phantom section: Right Section

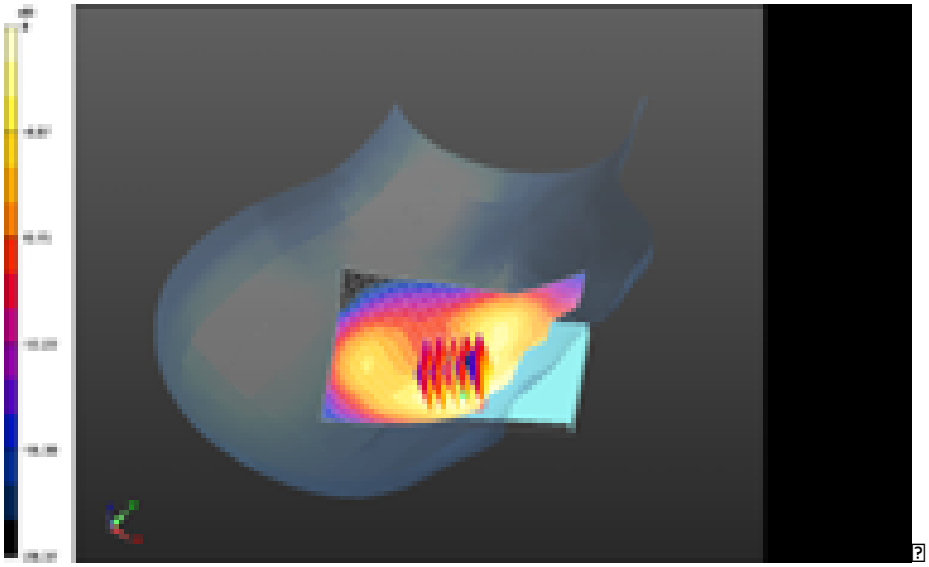
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Right-Hand-Side HSL - UMTS Band II/Touch Position - UMTS_II_Mid_Chan_amb_temp_23.5C_liq_temp_21.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.662 W/kg

Right-Hand-Side HSL - UMTS Band II/Touch Position - UMTS_II_Mid_Chan_amb_temp_23.5C_liq_temp_21.6C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 13.352 V/m; **Power Drift = 0.168 dB**

Averaged SAR: SAR(1g) = 0.590 W/kg; SAR(10g) = 0.359 W/kg
Maximum value of SAR (interpolated) = 0.863 W/kg



0 dB = 0.642 W/kg = -1.92 dBW/kg

Date: 1/28/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

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

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1907.6 MHz
Medium Parameters used: f=1907.6 MHz; σ = 1.388 S/m; ε_r = 38.299; ρ = 1.000 g/cm^3
Phantom section: Left Section

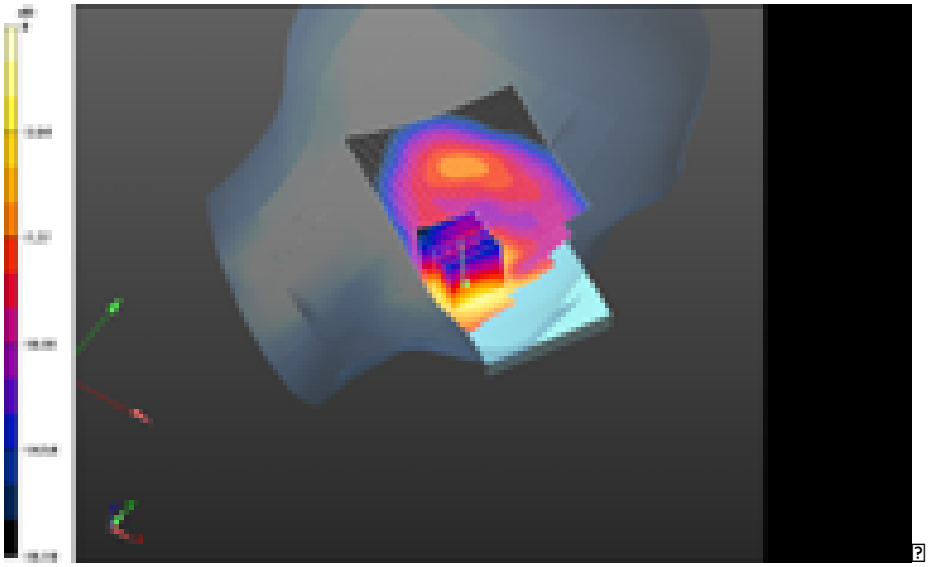
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (5.21,5.21,5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Left-Hand-Side HSL - UMTS Band II/Touch Position - UMTS Band II_chan9538_2100mA Battery_amb_temp_23.3C_liq_temp_21.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Left-Hand-Side HSL - UMTS Band II/Touch Position - UMTS Band II_chan9538_2100mA Battery_amb_temp_23.3C_liq_temp_21.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 14.905 V/m; **Power Drift = -0.086 dB**

Averaged SAR: SAR(1g) = 1.12 W/kg; SAR(10g) = 0.625 W/kg
Maximum value of SAR (interpolated) = 1.85 W/kg

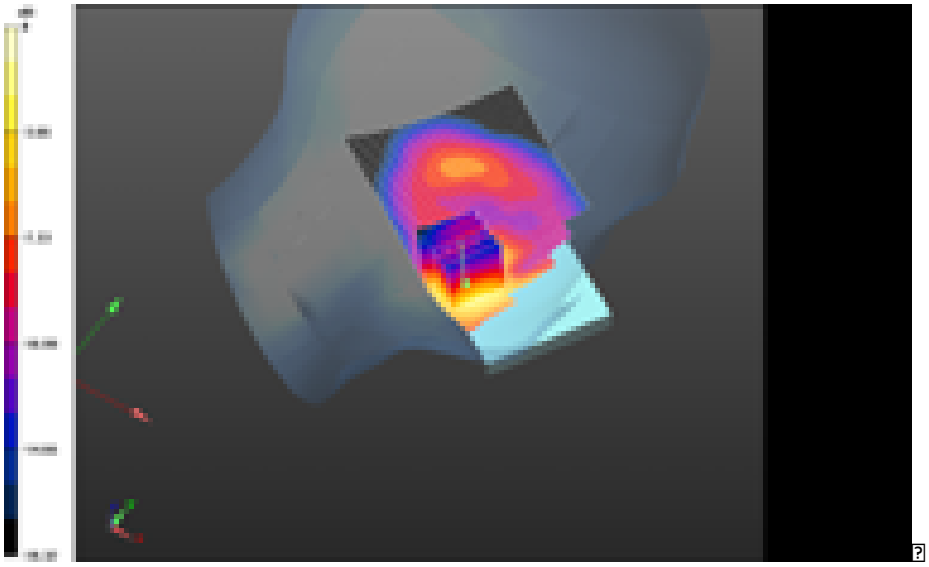


0 dB = 1.25 W/kg = 0.97 dBW/kg

Left-Hand-Side HSL - UMTS Band II/Touch Position - UMTS Band II_chan9538_2nd Scan_2100mA Battery_amb_temp_23.3C_liq_temp_21.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Left-Hand-Side HSL - UMTS Band II/Touch Position - UMTS Band II_chan9538_2nd Scan_2100mA Battery_amb_temp_23.3C_liq_temp_21.6C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 14.819 V/m; **Power Drift = -0.047 dB**

Averaged SAR: SAR(1g) = 1.11 W/kg; SAR(10g) = 0.625 W/kg
Maximum value of SAR (interpolated) = 1.80 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

802.11b

Date: 2/28/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 26703205

Configuration: Right-Hand-Side HSL 802.11b Rev2-02

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

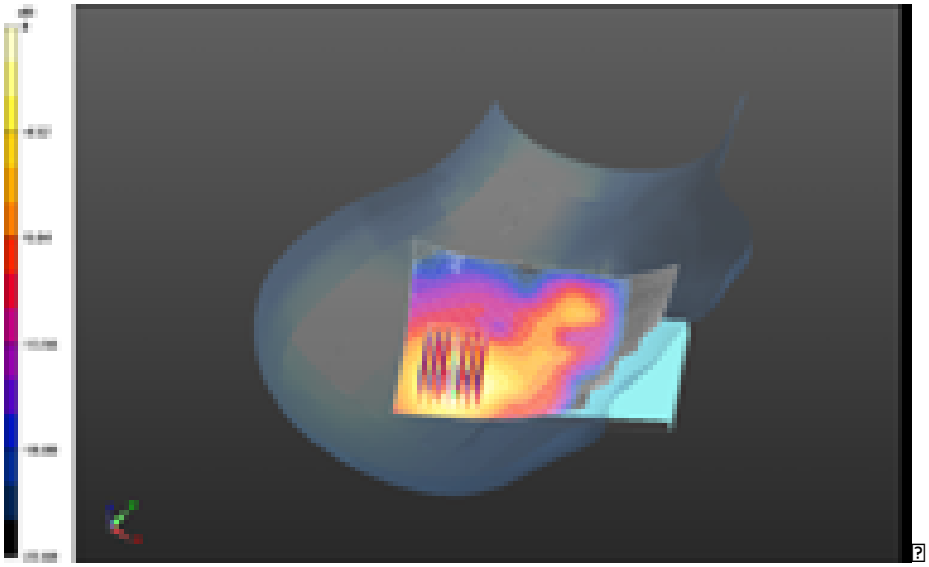
DASY Configuration:

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

Right-Hand-Side HSL 802.11b Rev2-02/Touch Position - 802.11b_mid_chan_amb_temp_23.6C_liq_temp_20.5C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.291 W/kg

Right-Hand-Side HSL 802.11b Rev2-02/Touch Position - 802.11b_mid_chan_amb_temp_23.6C_liq_temp_20.5C/Zoom Scan (36x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 7.986 V/m; **Power Drift = 0.257 dB**

Averaged SAR: SAR(1g) = 0.234 W/kg; SAR(10g) = 0.119 W/kg
Maximum value of SAR (interpolated) = 0.487 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Date: 2/28/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 26703205

Configuration: Left-Hand-Side HSL 802.11b Rev2-02

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

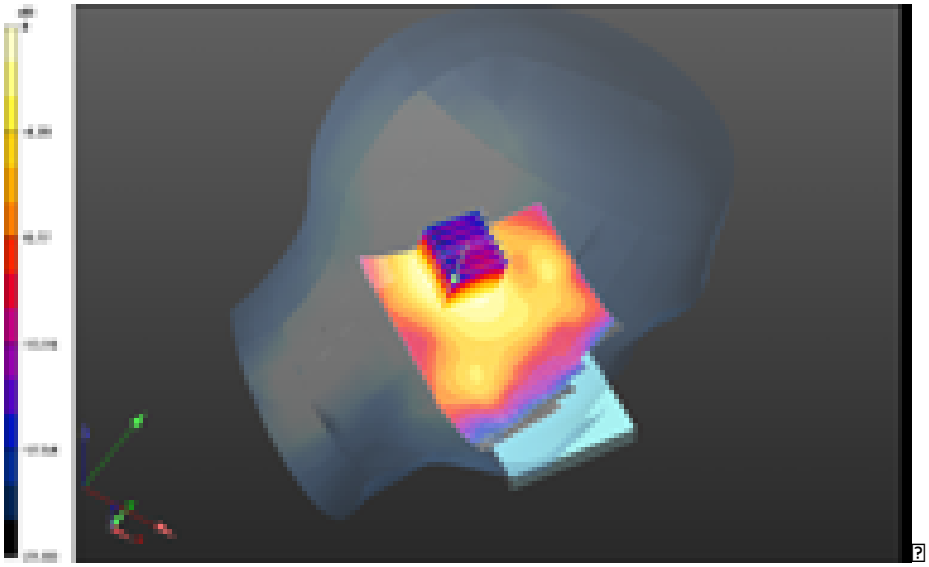
DASY Configuration:

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

Left-Hand-Side HSL 802.11b Rev2-02/Touch Position - 802.11b_mid_chan_amb_temp_23.4C_liq_temp_20.6C/Area Scan (81x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.178 W/kg

Left-Hand-Side HSL 802.11b Rev2-02/Touch Position - 802.11b_mid_chan_amb_temp_23.4C_liq_temp_20.6C/Zoom Scan (31x31x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 9.783 V/m; **Power Drift = 0.058 dB**

Averaged SAR: SAR(1g) = 0.149 W/kg; SAR(10g) = 0.0832 W/kg
Maximum value of SAR (interpolated) = 0.262 W/kg



0 dB = 0.185 W/kg = -7.33 dBW/kg

Bluetooth

Date: 1/22/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2641D6A8

Configuration: Right-Hand-Side HSL - Bluetooth

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

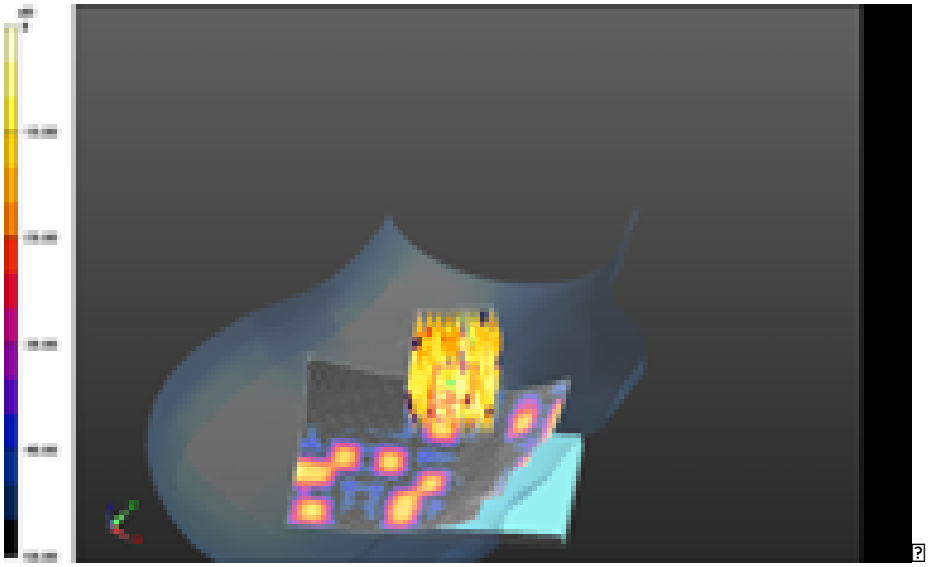
DASY Configuration:

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

Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Area Scan (81x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00351 W/kg

Right-Hand-Side HSL/Touch Position - Bluetooth_mid_chan_amb_temp_23.8C_liq_temp_21.1C/Zoom Scan (56x41x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 0.481 V/m; **Power Drift = 0.940 dB**

Averaged SAR: SAR(1g) = 0.00201 W/kg; SAR(10g) = 0.000683 W/kg
Maximum value of SAR (interpolated) = 0.00831 W/kg



0 dB = 0.00831 W/kg = -20.80 dBW/kg

802.11a

Date/Time: 2/27/2013 2:04:14 PM

Test Laboratory: RIM Testing Services

Head_SAR_802.11a_Rev 2_02

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26703205

Communication System: 802.11a ; Frequency: 5260 MHz
Medium parameters used: f = 5260 MHz; σ = 4.809 S/m; ε_r = 34.502; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

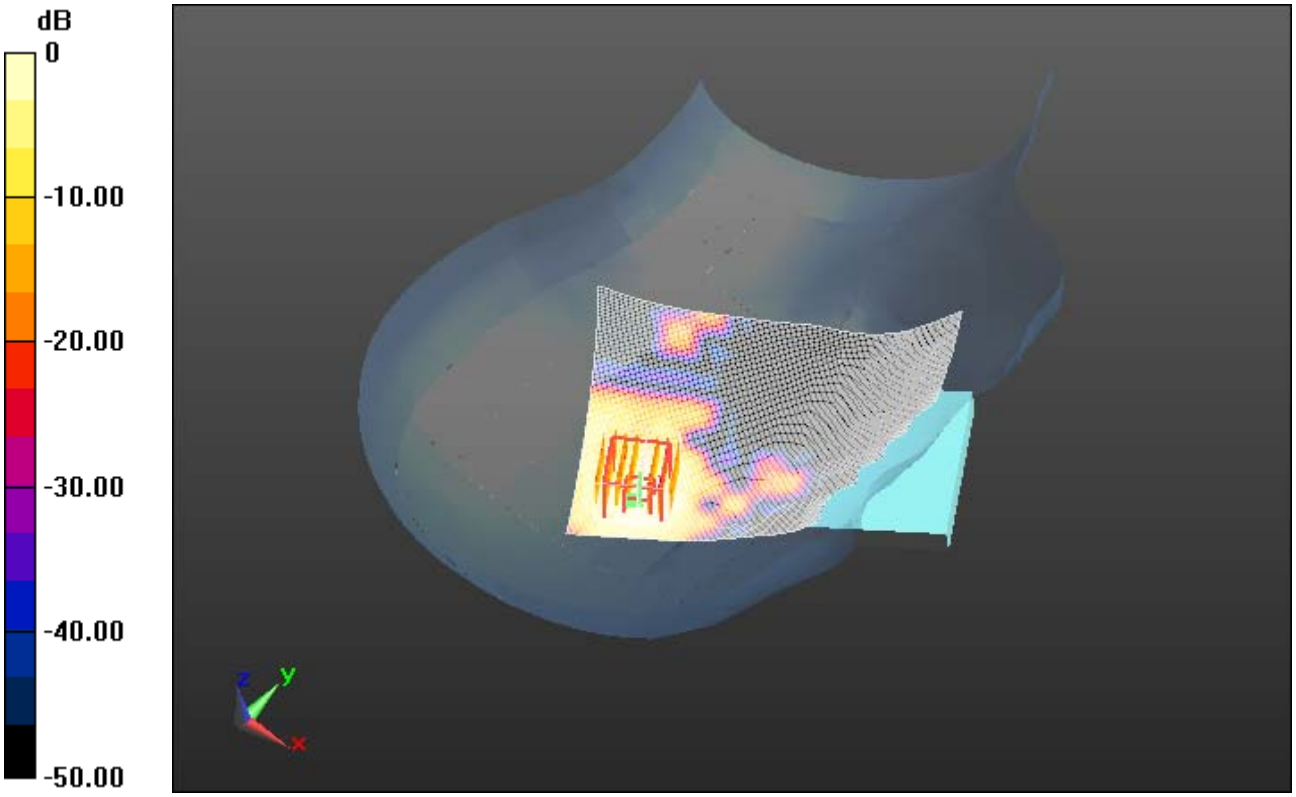
- Probe: EX3DV4 - SN3592; ConvF(4.73, 4.73, 4.73); Calibrated: 11/14/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_24.2C_liq_temp_21.7C/Area Scan (101x141x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.161 W/kg

Right-Hand-Side HSL 5200 MHz/Touch Position - 802.11a_chan52_low_band_amb_temp_24.2C_liq_temp_21.7C/Zoom Scan (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.360 V/m; Power Drift = 0.33 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.186 W/kg



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

Z axis plot for the worst case head configuration