APPENDIX B1: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Date/Time: 9/10/2012 4:31:54 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

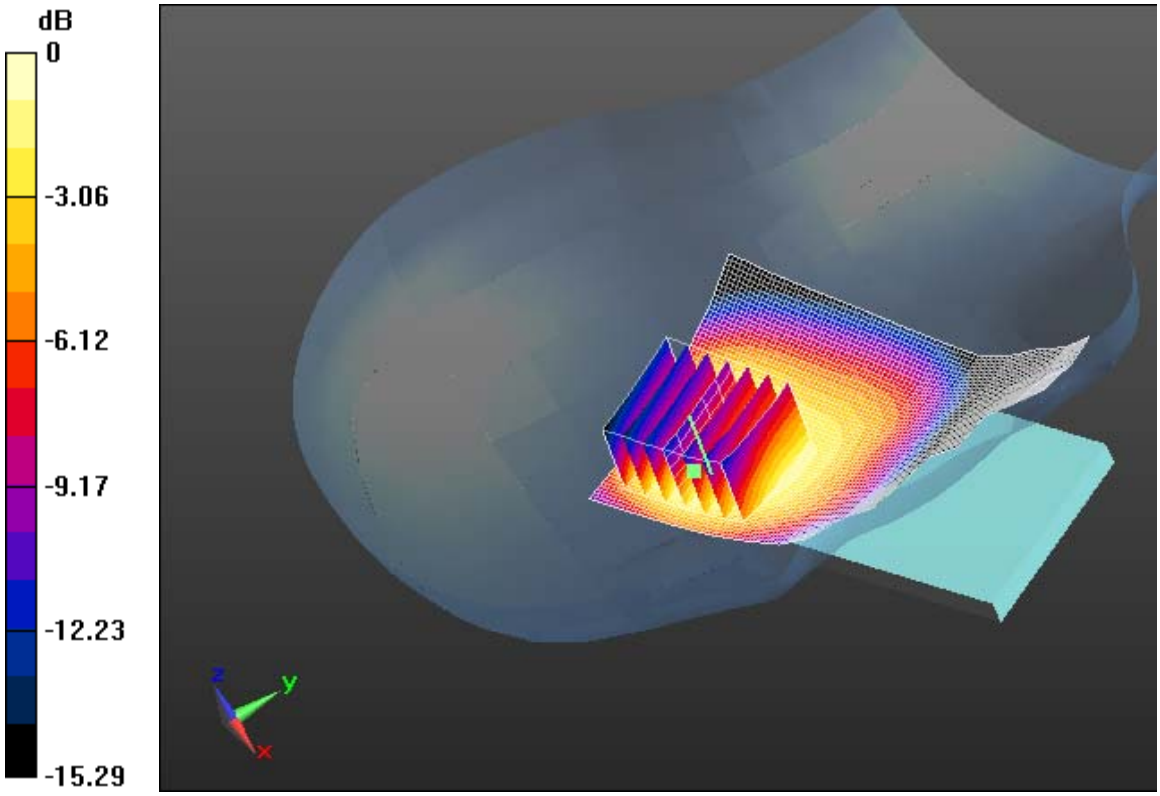
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.279 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.377 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 1.6440
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.657 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.211 mW/g



0 dB = 1.210mW/g = 1.66 dB mW/g

Date/Time: 9/10/2012 4:54:33 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_49_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

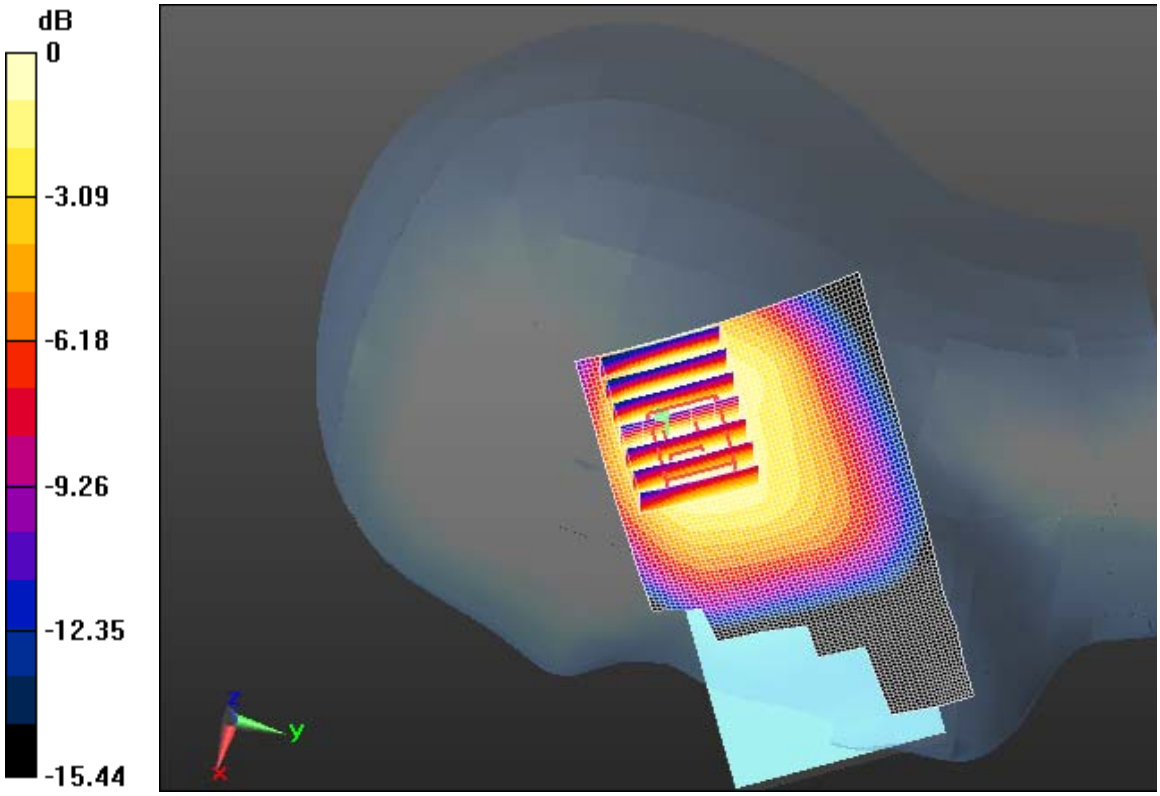
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.200 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.610 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.5600
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.605 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.112 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

Date/Time: 9/10/2012 6:04:48 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_25_Offset_0_amb_temp_23.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

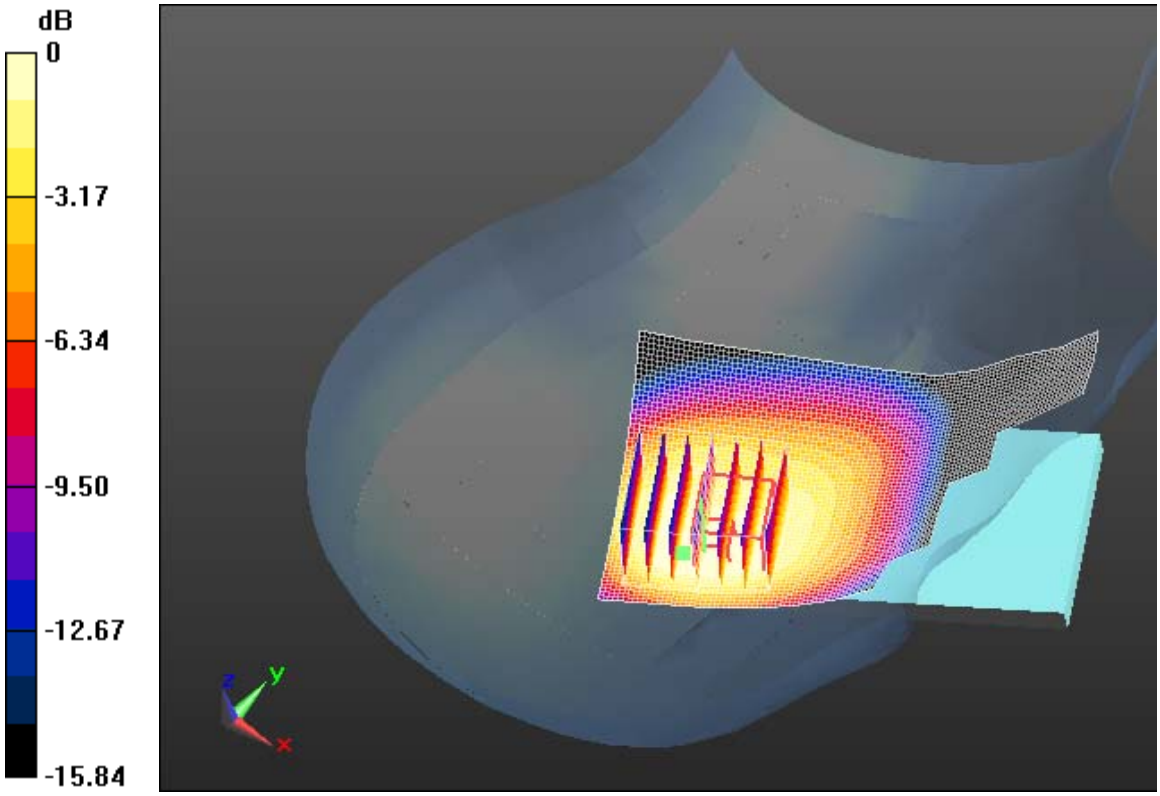
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.990 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.573 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 1.2900
SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.510 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.944 mW/g



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

Date/Time: 9/10/2012 6:54:24 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

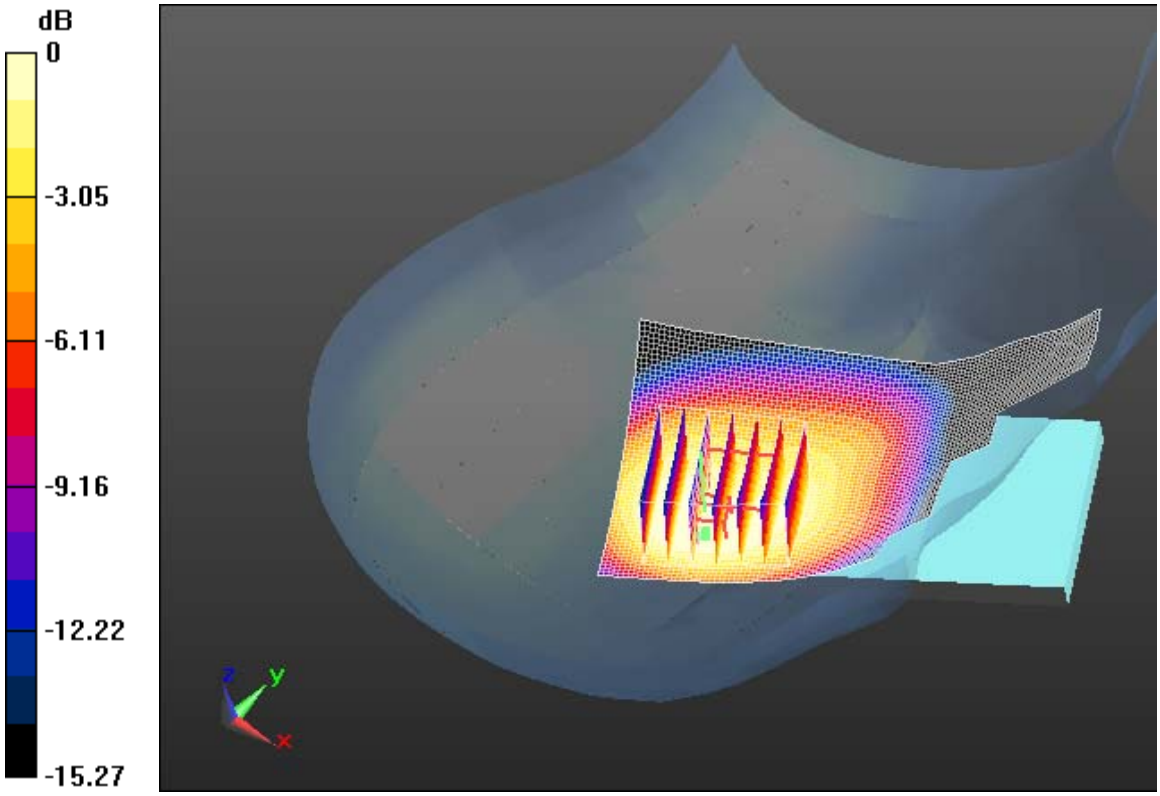
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.888 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.563 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.2510
SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.487 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.904 mW/g



0 dB = 0.900mW/g = -0.92 dB mW/g

Date/Time: 9/10/2012 7:50:34 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_49_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

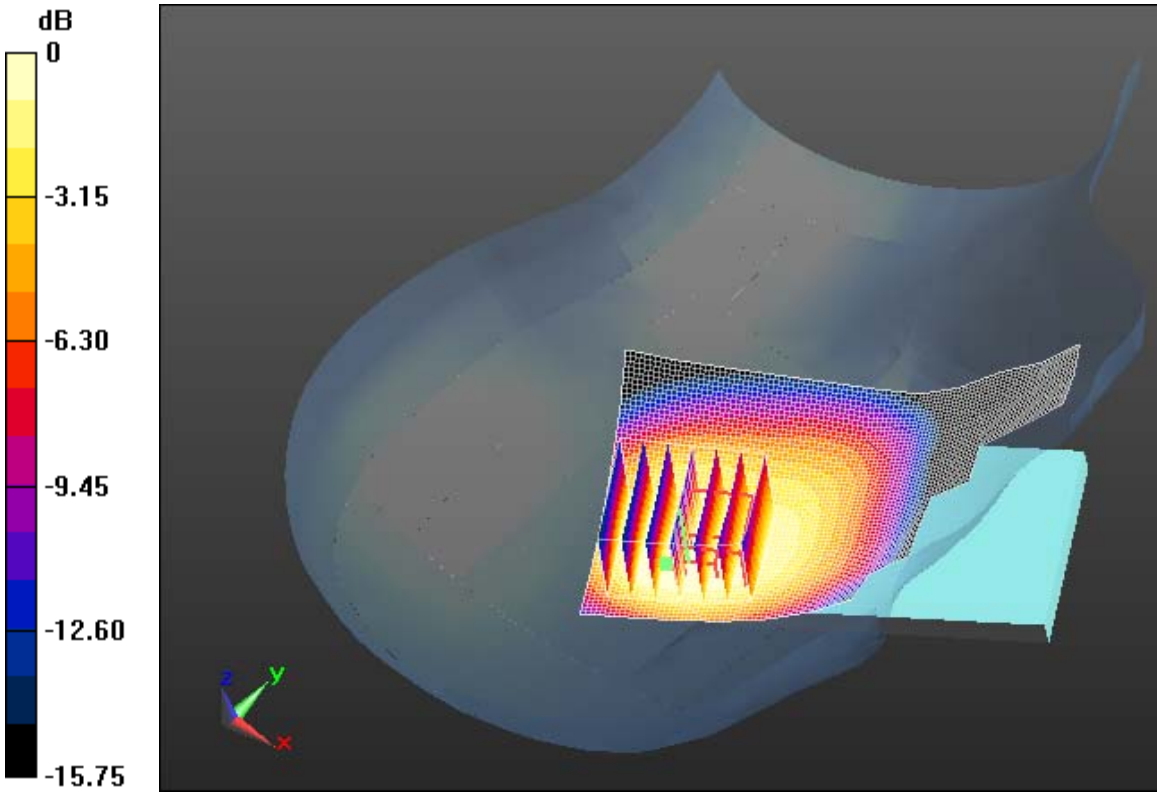
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.892 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.227 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.1270
SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.444 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.834 mW/g



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

Date/Time: 9/10/2012 9:45:21 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_16_Offset_0_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

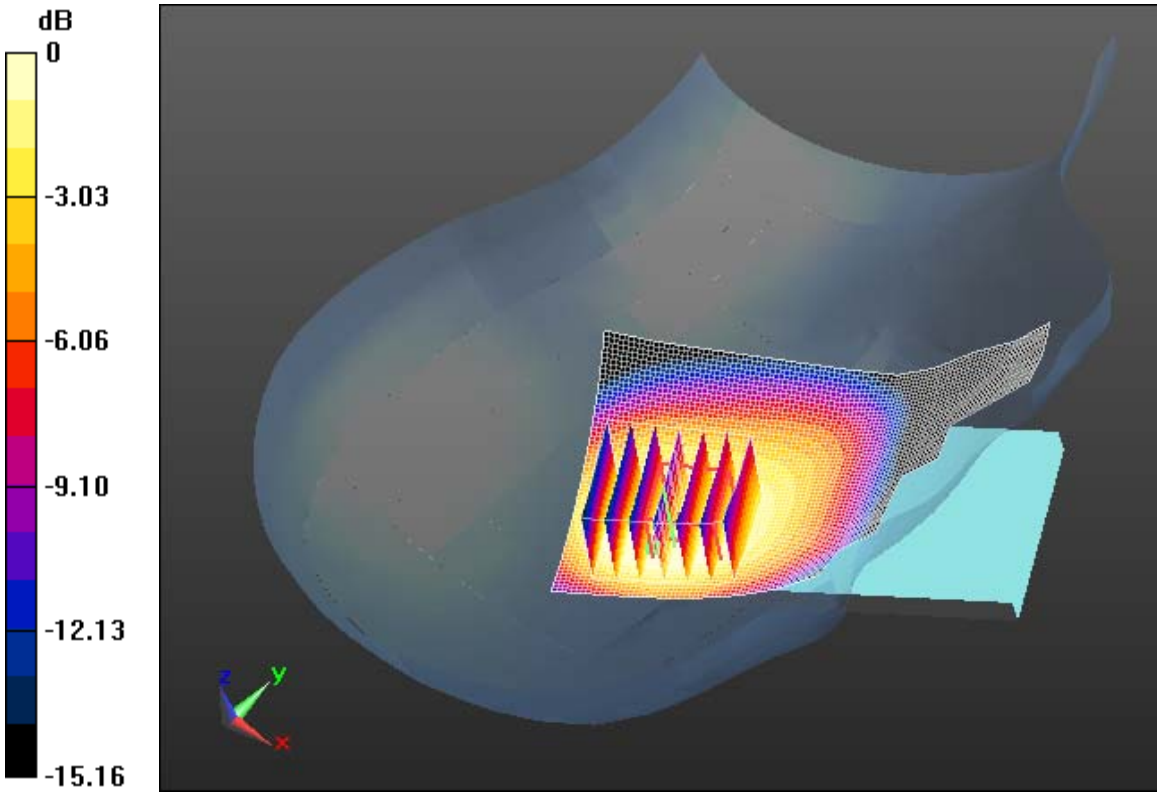
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.797 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.916 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 1.0240
SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.405 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.745 mW/g



0 dB = 0.750mW/g = -2.50 dB mW/g

Date/Time: 9/11/2012 12:16:19 AM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_24.2_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

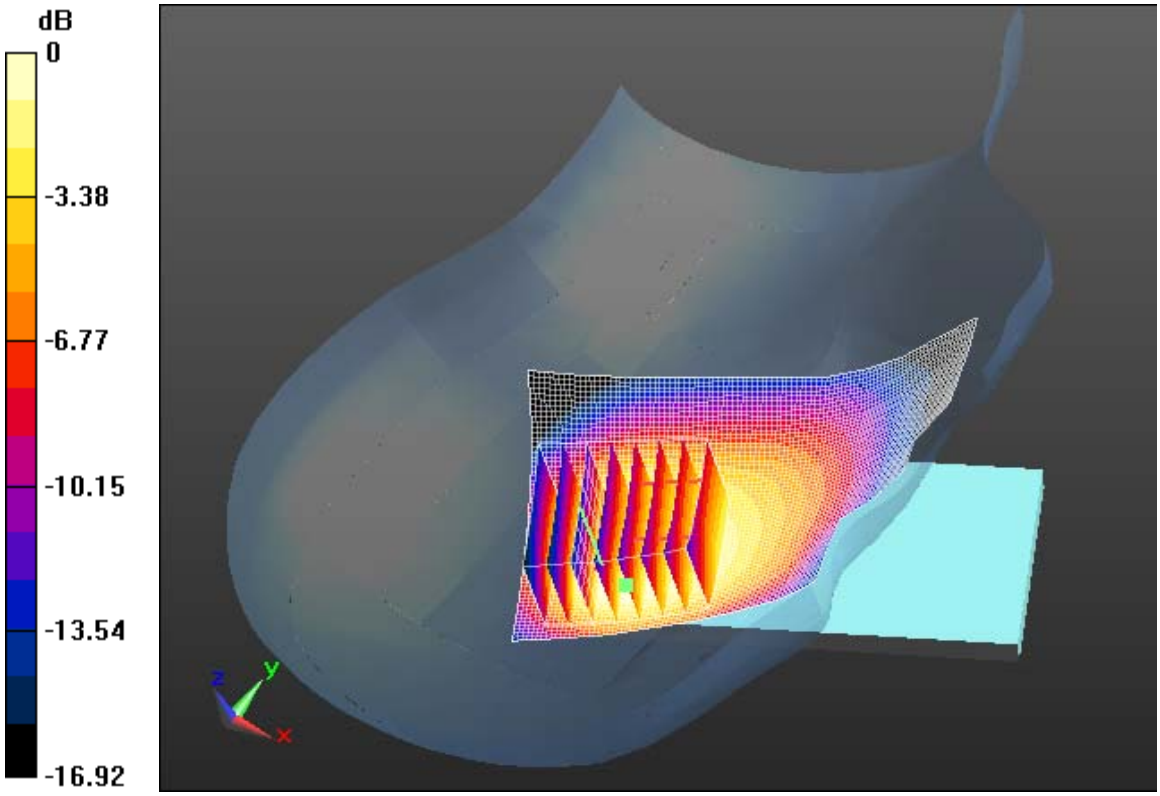
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.851 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x8x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.796 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.3150
SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.443 mW/g

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



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

Date/Time: 9/11/2012 12:41:51 AM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_24.0_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

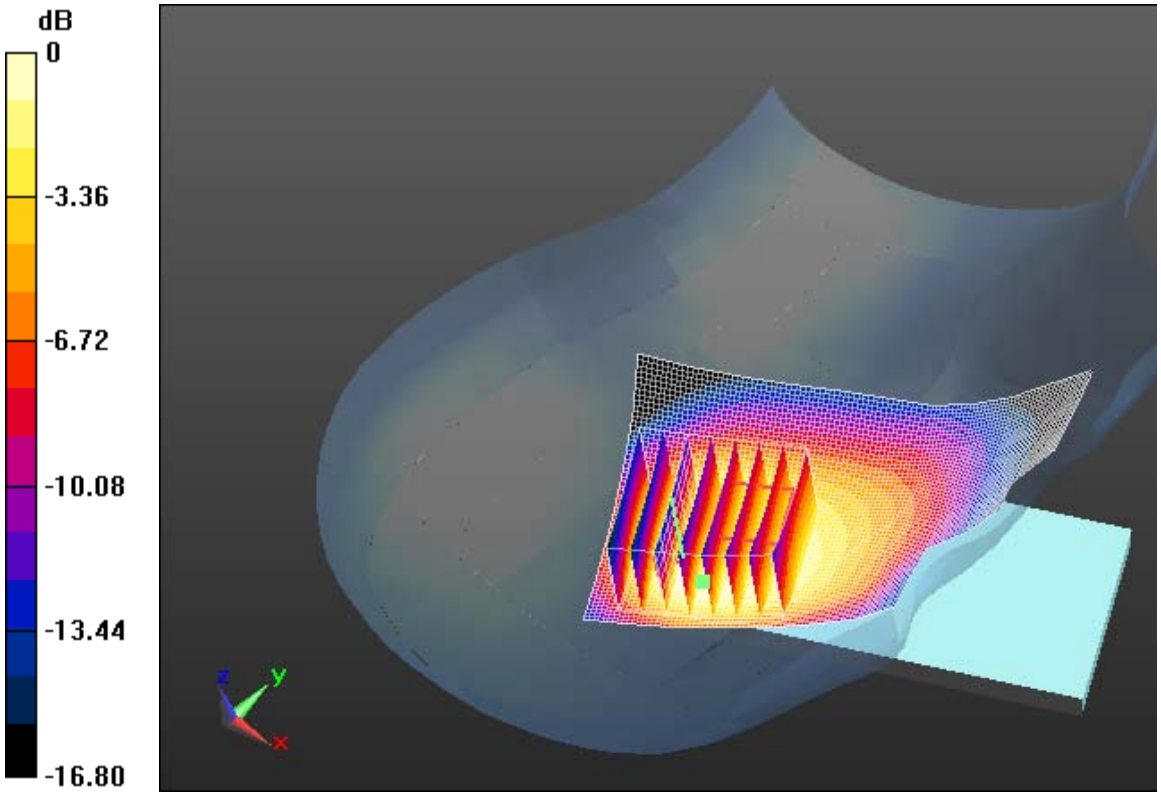
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.695 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x8x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.882 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.0690
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.362 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.683 mW/g



0 dB = 0.680mW/g = -3.35 dB mW/g

Date/Time: 9/7/2012 10:26:02 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.926 mho/m; ε_r = 41.907; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

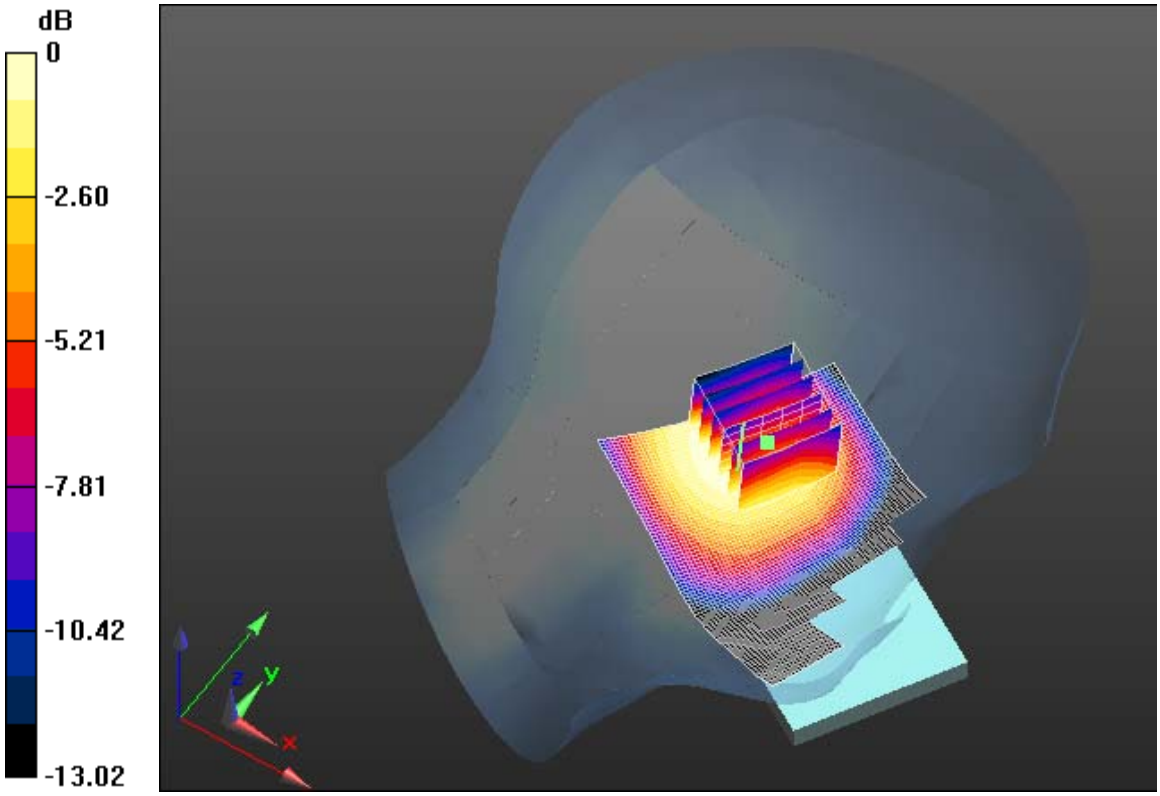
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.027 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.074 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.4480
SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.646 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.097 mW/g



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

Date/Time: 9/10/2012 2:21:26 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_49_amb_temp_24.0_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

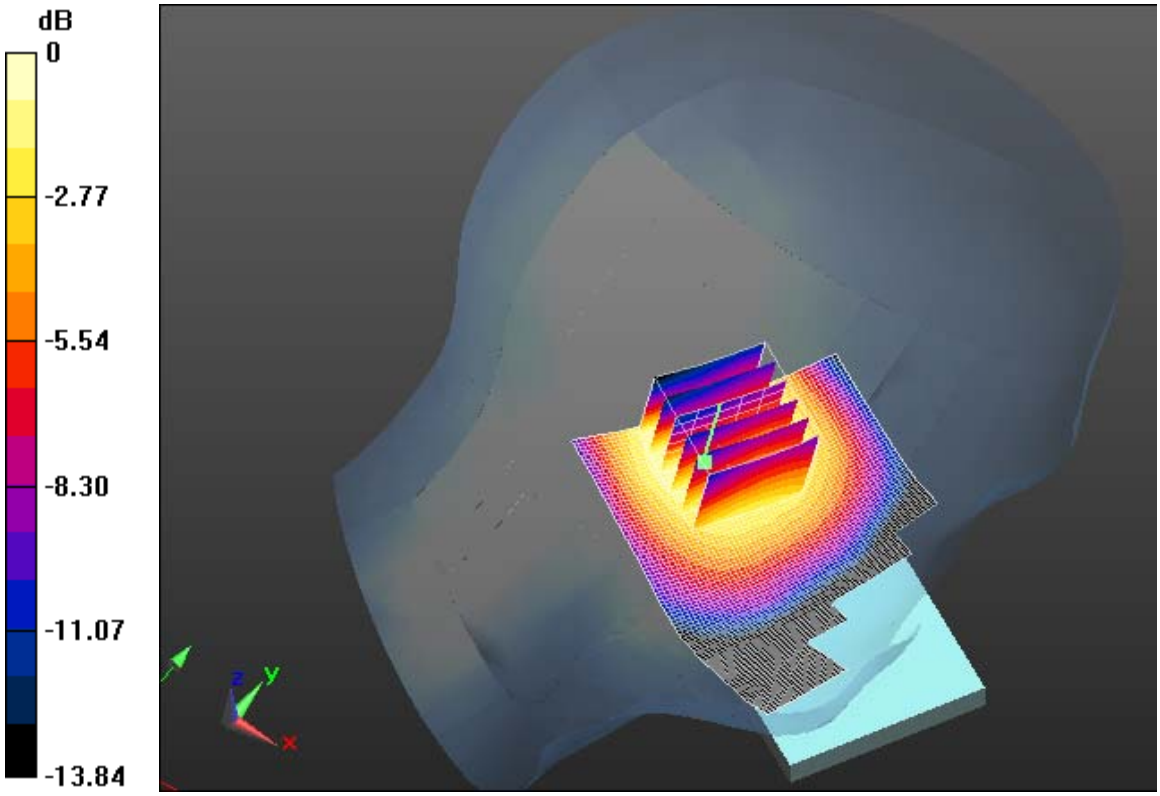
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.928 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.5090
SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.633 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.123 mW/g



0 dB = 1.120mW/g = 0.98 dB mW/g

Date/Time: 9/7/2012 11:59:50 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_25_Offset_0_amb_temp_23.0_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.926 mho/m; ε_r = 41.907; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

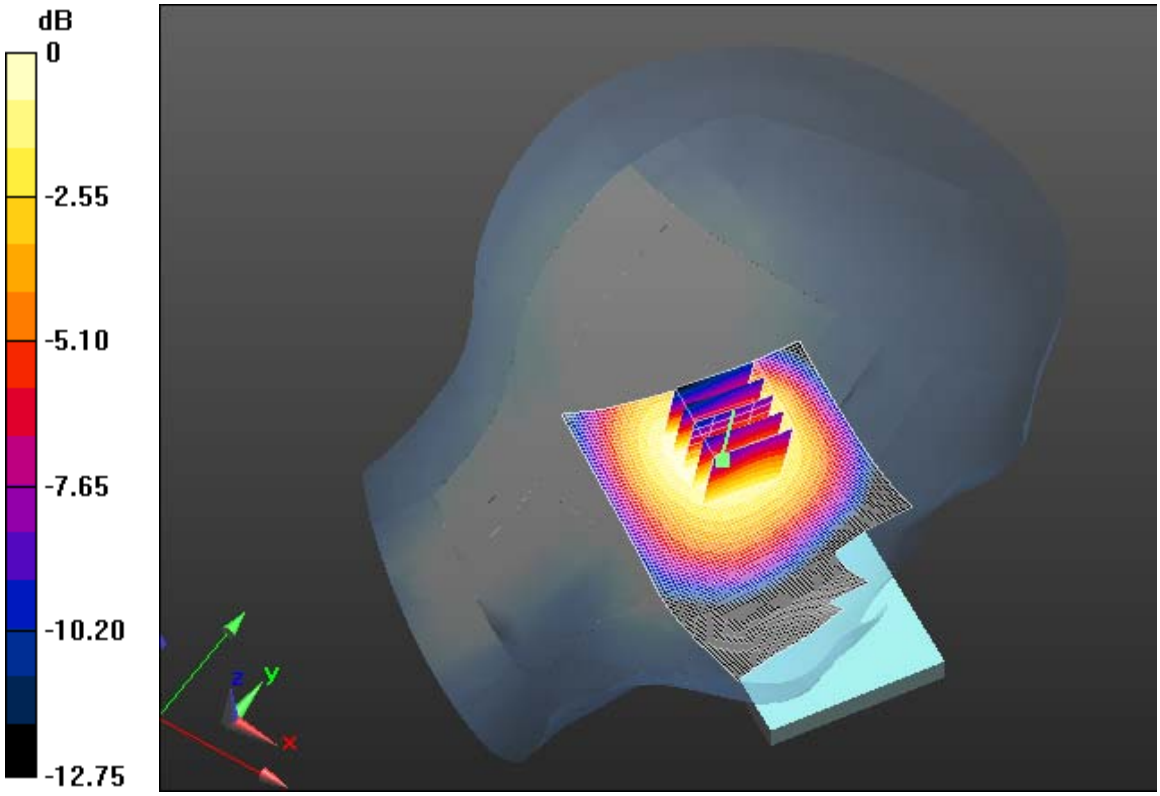
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.877 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.994 V/m; Power Drift = -0.0016 dB
Peak SAR (extrapolated) = 1.1430
SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.518 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.885 mW/g



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

Date/Time: 9/11/2012 2:12:38 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_24.0_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

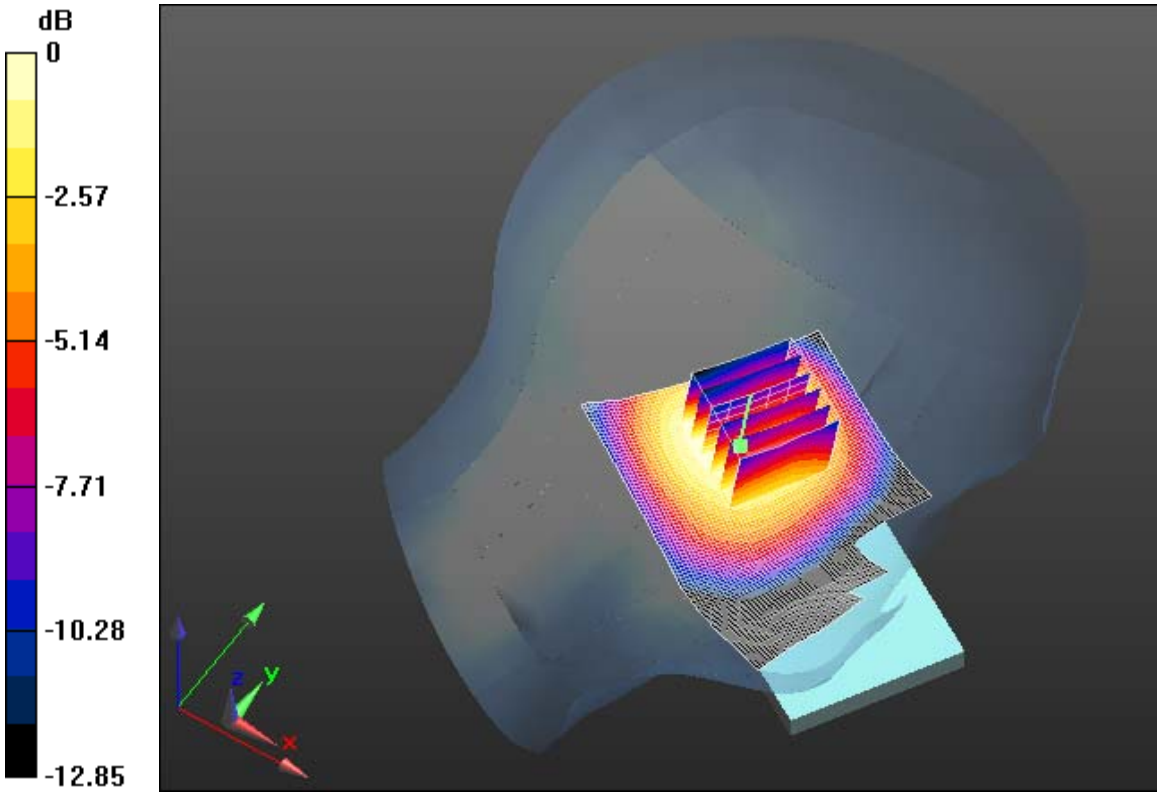
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.864 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.948 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.1060
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.507 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.867 mW/g



0 dB = 0.870mW/g = -1.21 dB mW/g

Date/Time: 9/10/2012 3:08:52 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_49_amb_temp_24.0_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; 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/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

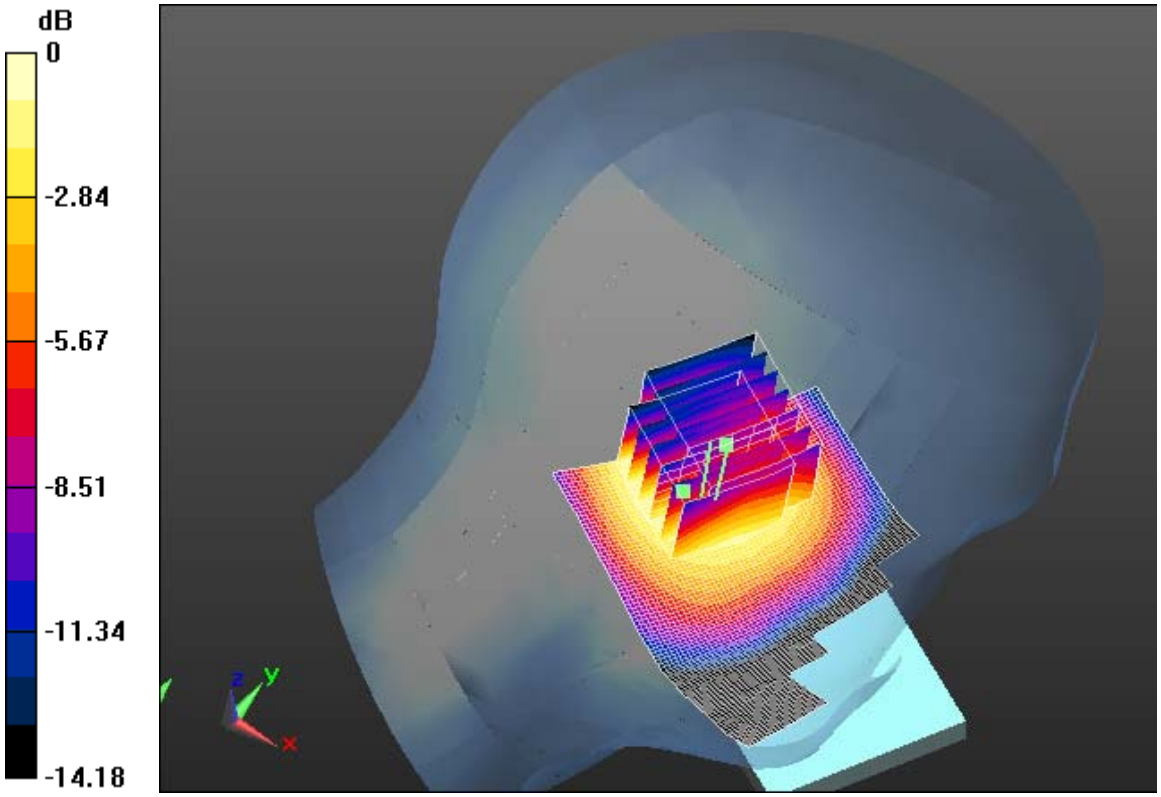
Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.087 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.1210
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.488 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.836 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.087 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.0930
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.491 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.838 mW/g



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

Date/Time: 9/10/2012 3:44:21 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_16_Offset_0_amb_temp_24.0_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; 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/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.650 mW/g

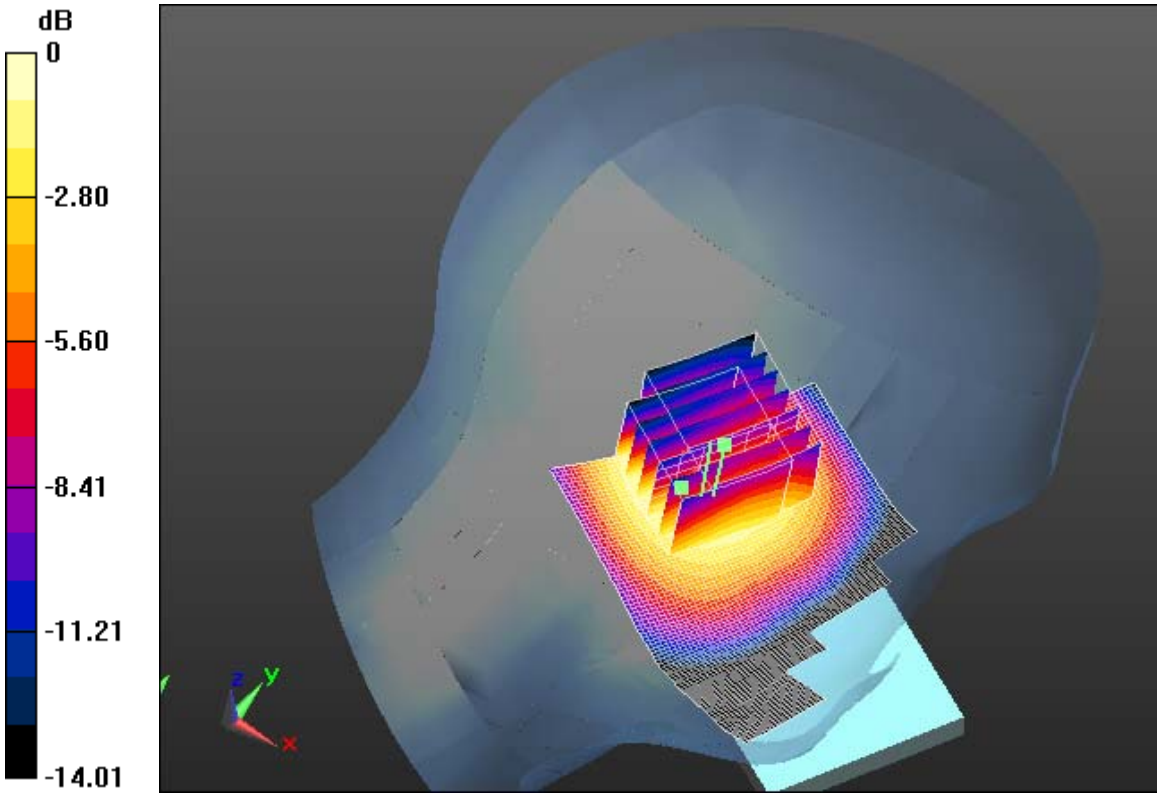
Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.412 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.8550
SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.390 mW/g

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

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.412 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.8560
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.394 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.669 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

Date/Time: 9/11/2012 1:18:16 AM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

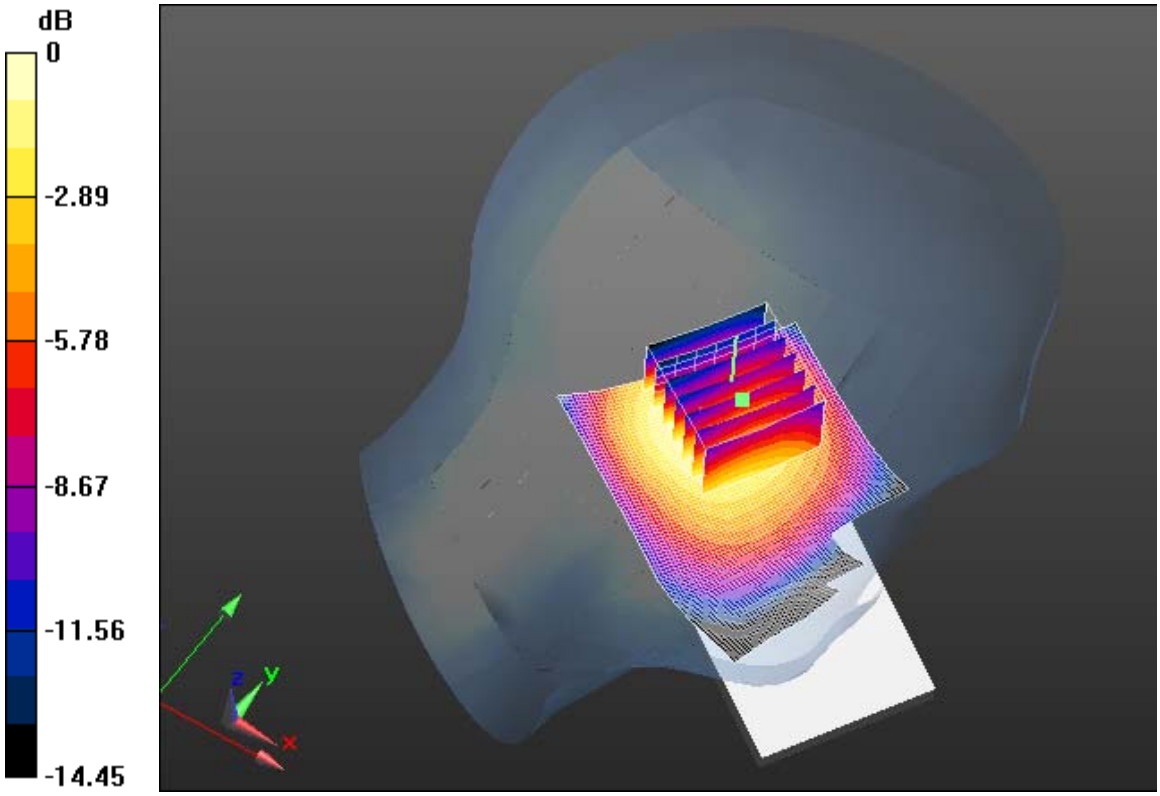
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.933 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.683 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.3960
SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.473 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.874 mW/g



0 dB = 0.870mW/g = -1.21 dB mW/g

Date/Time: 9/11/2012 1:43:50 AM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.922 mho/m; ε_r = 39.981; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

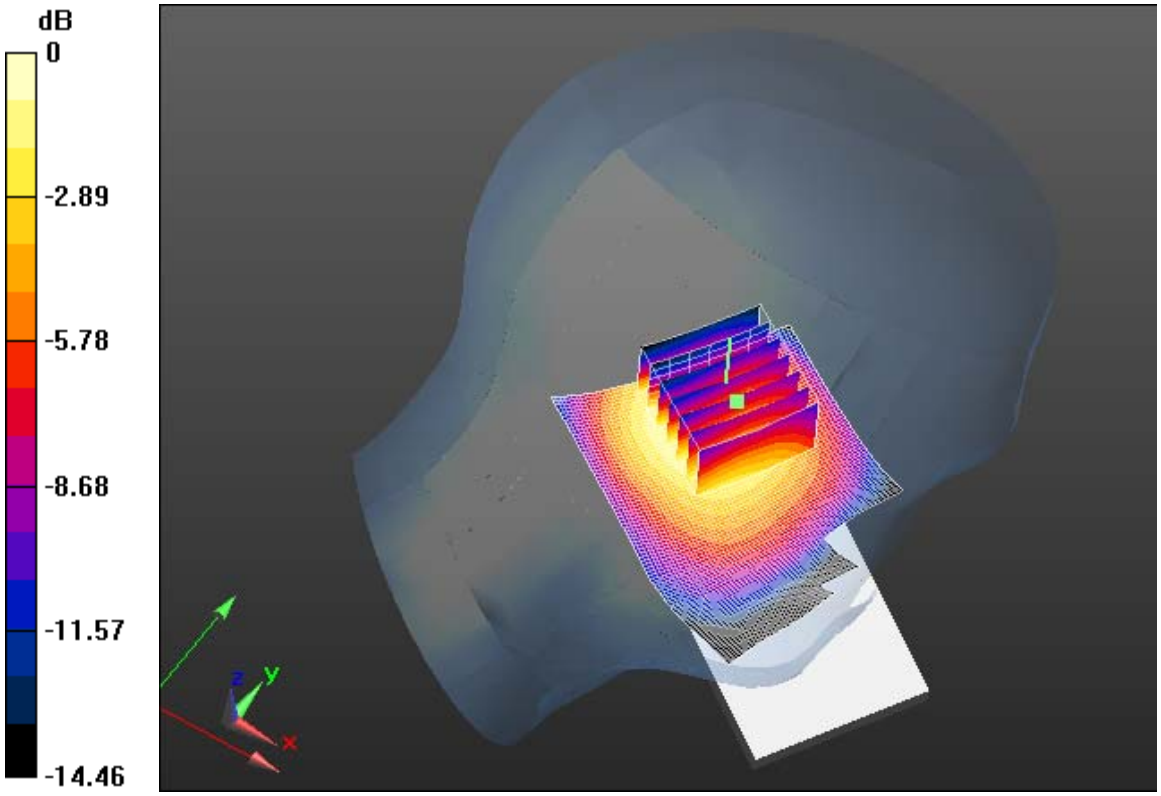
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.710 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.561 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.1370
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.380 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.709 mW/g



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

Date/Time: 10/29/2012 3:51:31 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.935 mho/m; ε_r = 40.723; 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, 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) = 1.061 mW/g

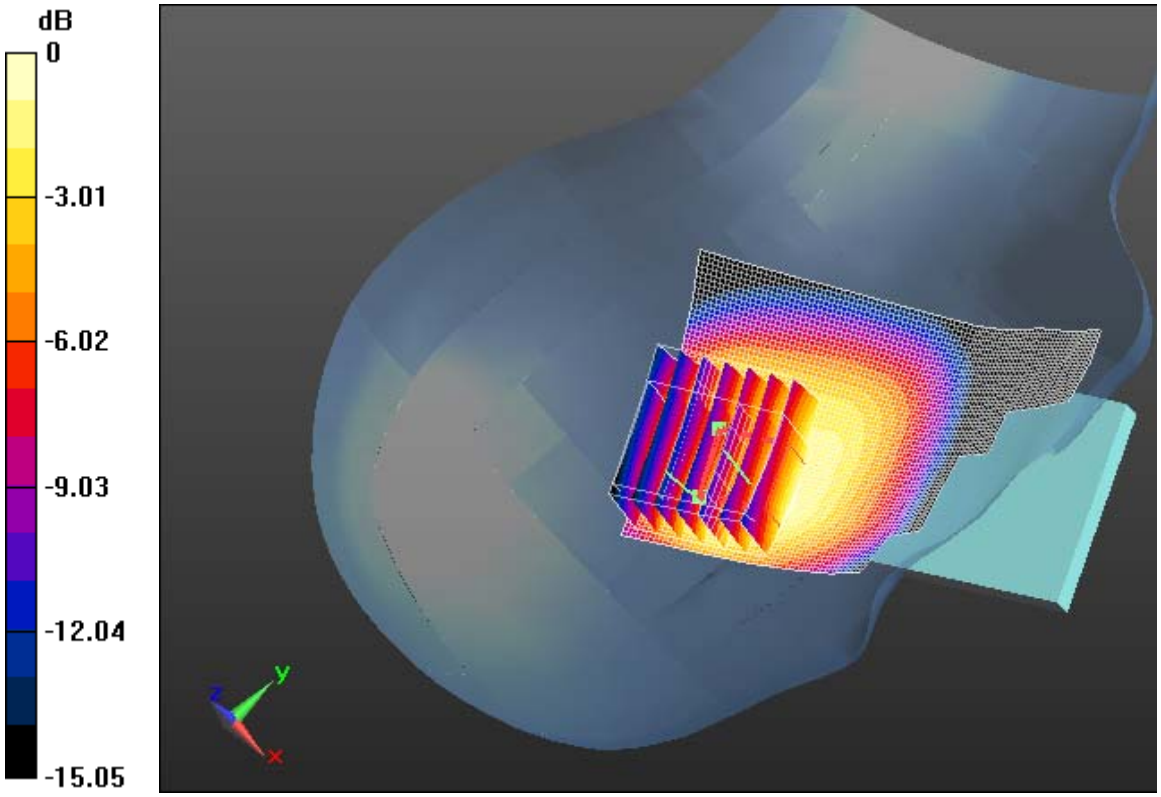
Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.276 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.3090
SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.539 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.979 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.276 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.4010
SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.534 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.956 mW/g



0 dB = 0.960mW/g = -0.35 dB mW/g

Date/Time: 11/9/2012 12:14:17 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

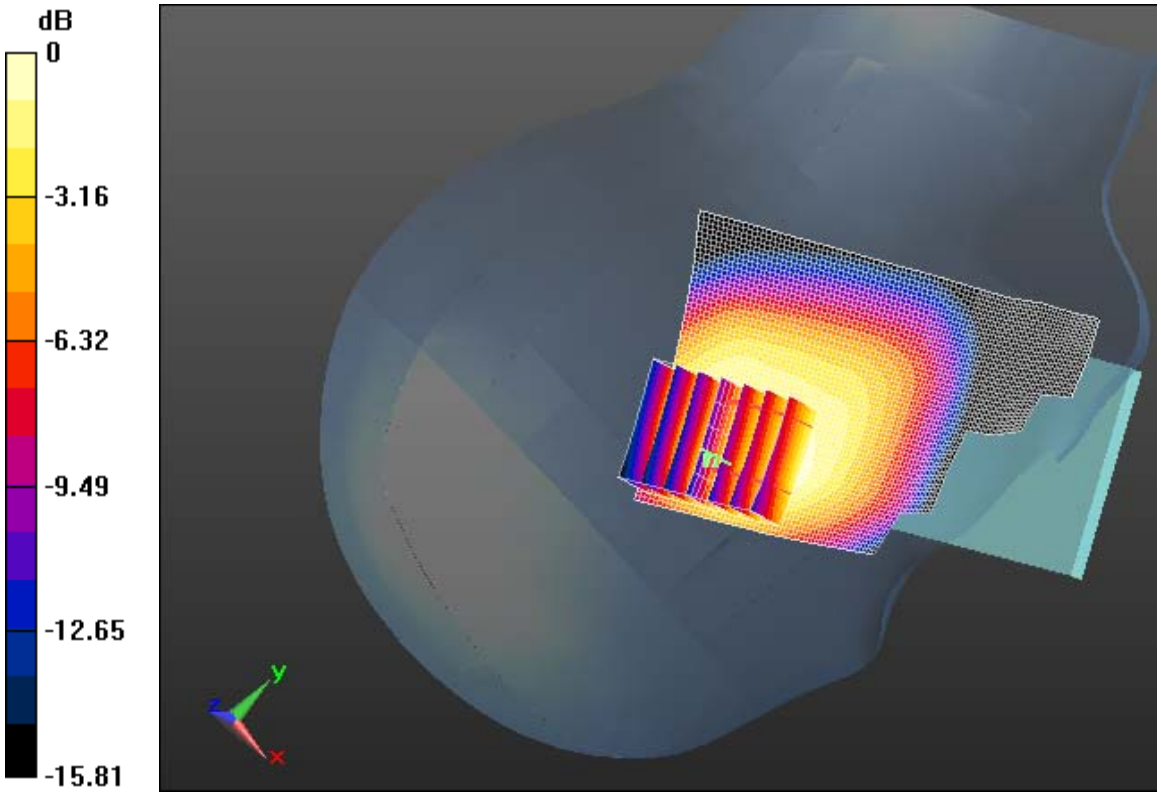
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.534 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.520 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.6440
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.267 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.480 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

Date/Time: 11/9/2012 12:37:43 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_49_amb_temp_23.3_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

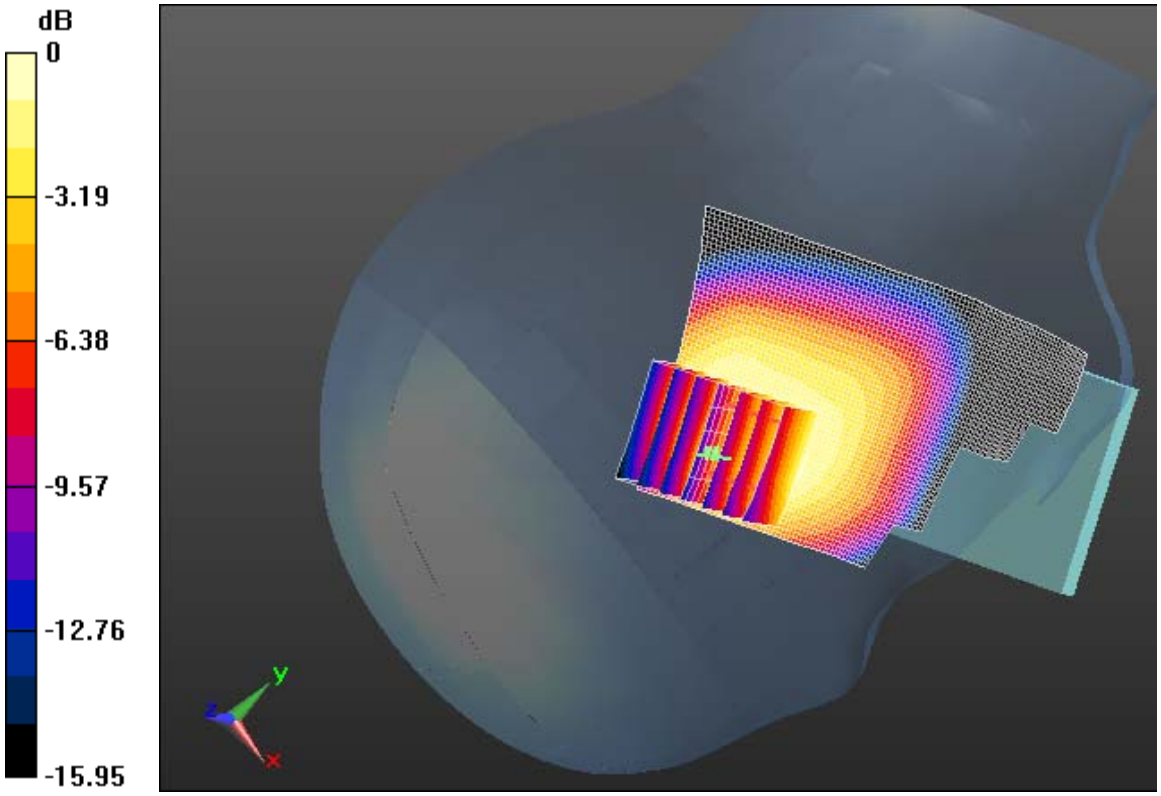
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.449 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.737 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.5800
SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.234 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.426 mW/g



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

Date/Time: 11/9/2012 2:33:38 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_25_Offset_0_amb_temp_23.4_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

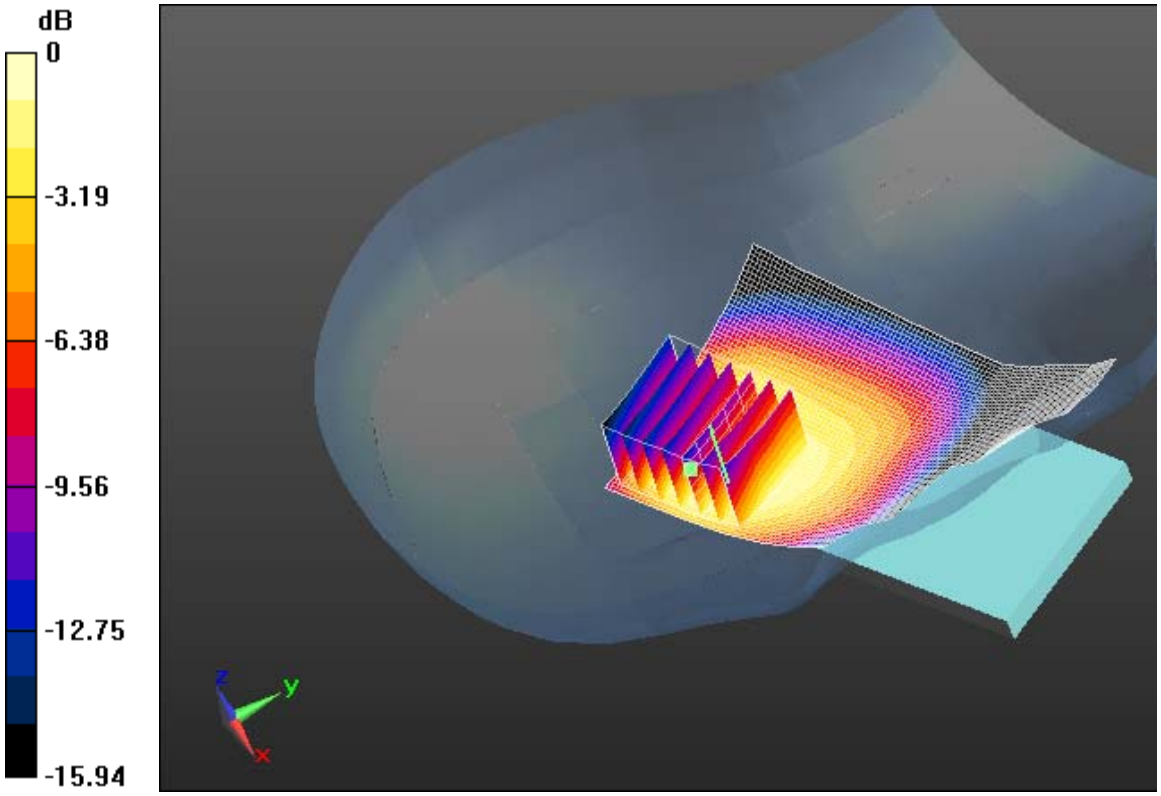
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.388 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.230 V/m; Power Drift = 0.0011 dB
Peak SAR (extrapolated) = 0.5130
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.201 mW/g

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



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

Date/Time: 11/9/2012 2:53:02 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

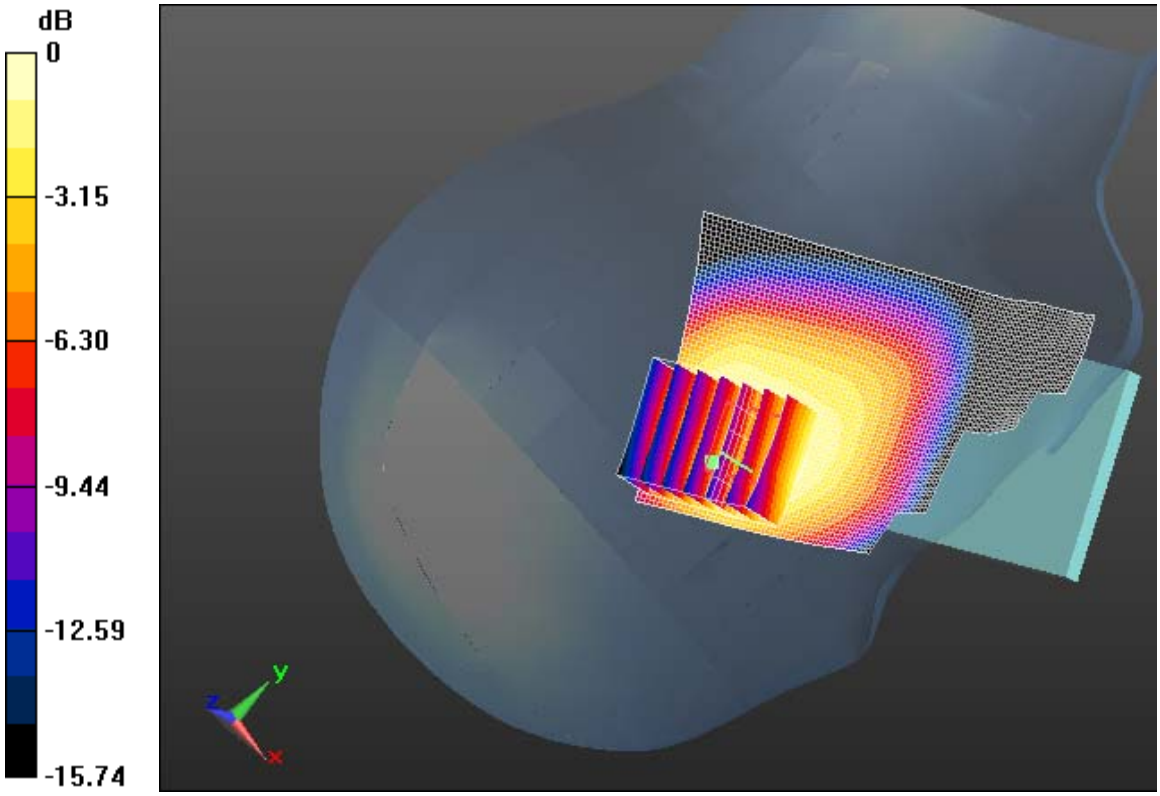
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.402 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.741 V/m; Power Drift = -0.0062 dB
Peak SAR (extrapolated) = 0.5190
SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.209 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.376 mW/g



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

Date/Time: 11/9/2012 3:14:39 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_49_amb_temp_23.1_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

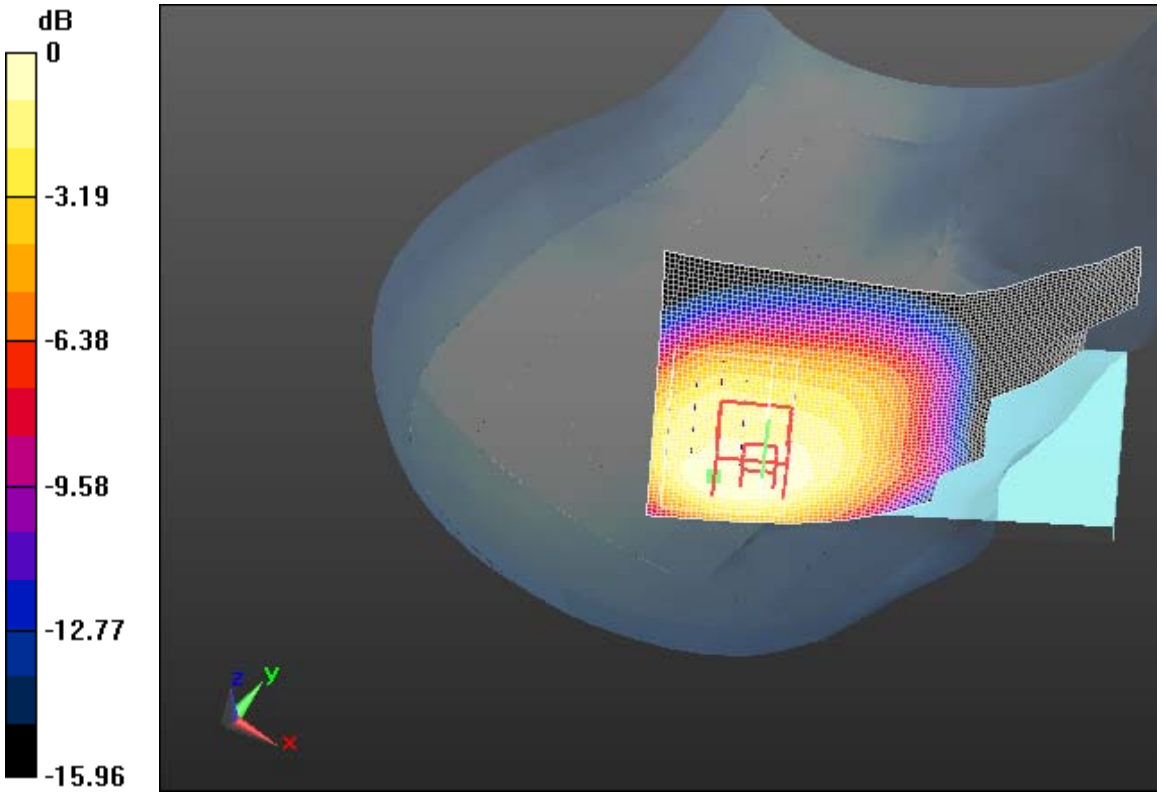
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.362 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.704 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.4710
SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.182 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.337 mW/g



0 dB = 0.340mW/g = -9.37 dB mW/g

Date/Time: 11/9/2012 3:35:44 PM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_16QAM_RB_16_Offset_0_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

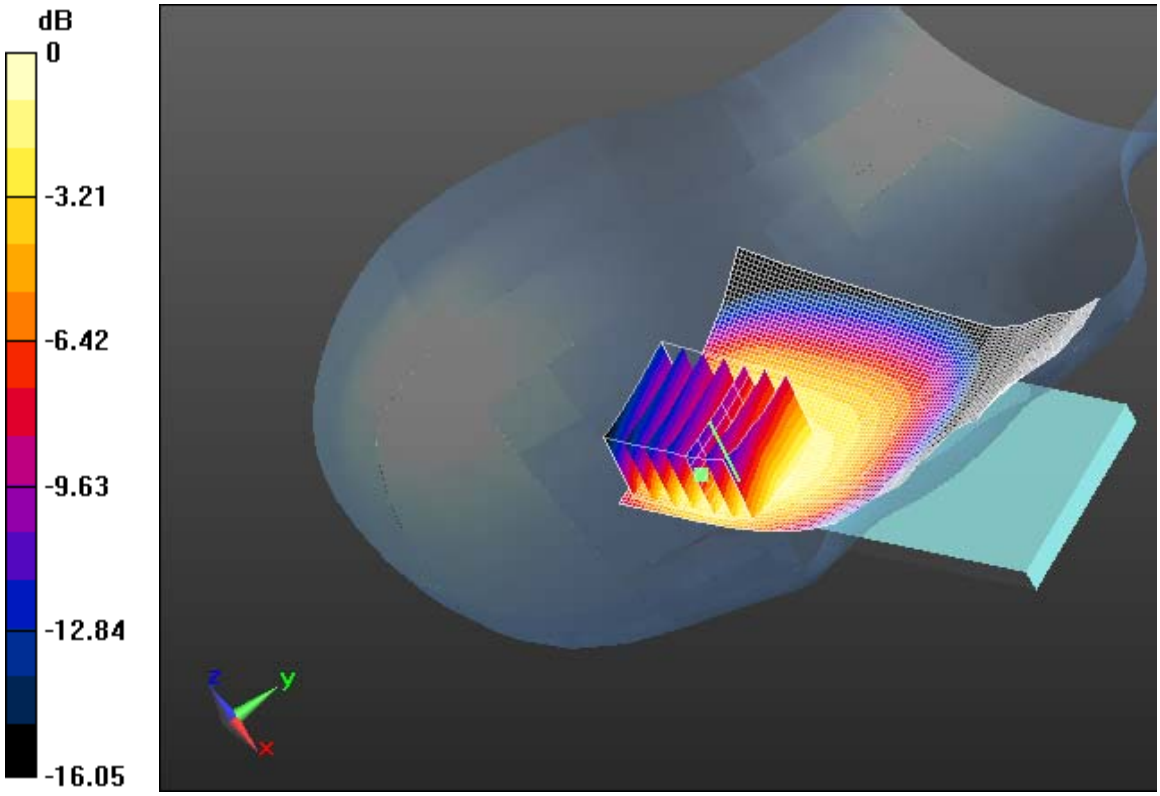
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.307 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.436 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.4020
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.158 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.291 mW/g



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

Date/Time: 11/9/2012 3:58:36 PM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.1_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

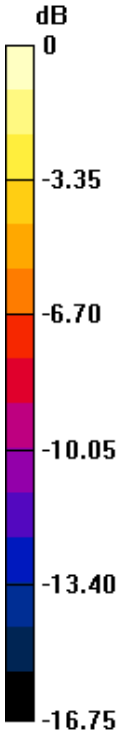
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

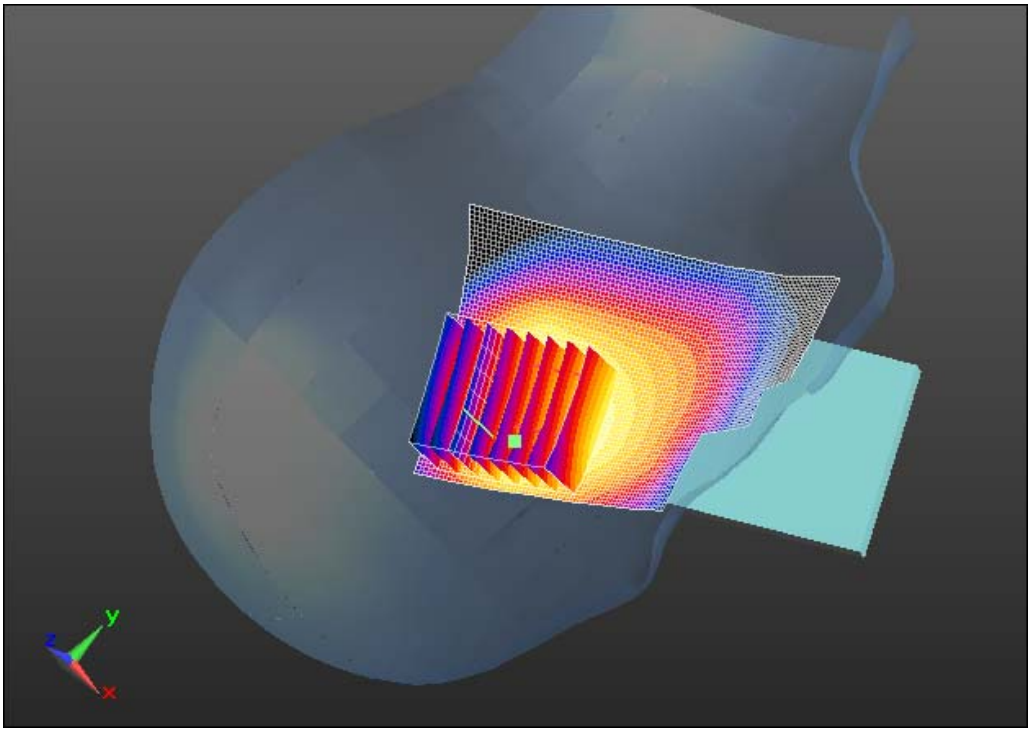
Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x8x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.724 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.5540
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.175 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.349 mW/g





0 dB = 0.350mW/g = -9.12 dB mW/g

Date/Time: 11/9/2012 4:23:53 PM

Test Laboratory: RIM Testing Services

RightHandside_Tilt_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_22.9_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

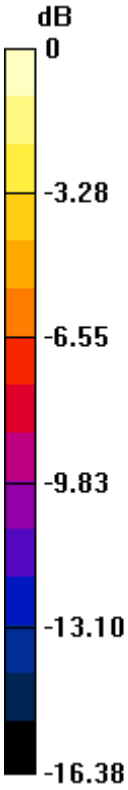
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

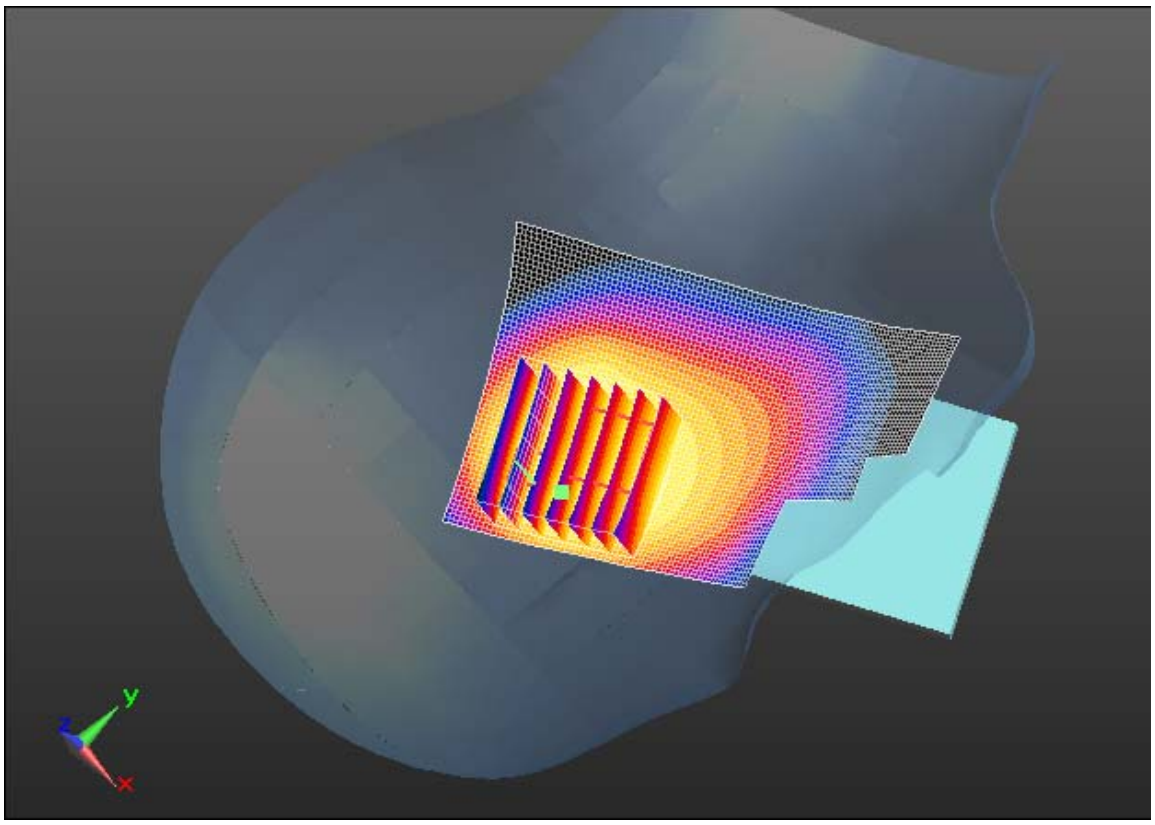
Configuration/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.270 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.736 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.4430
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.142 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.288 mW/g





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

Date/Time: 11/9/2012 4:54:14 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.4_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

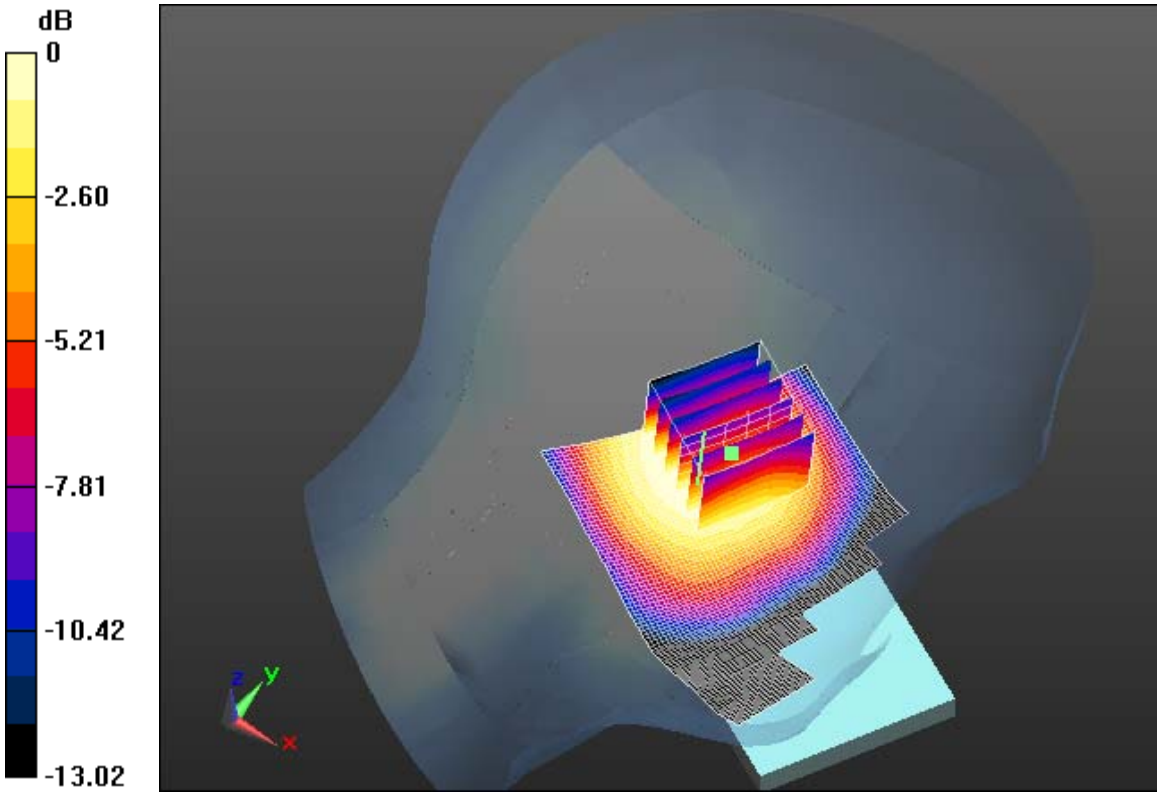
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.432 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.224 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.6250
SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.259 mW/g

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



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

Date/Time: 11/9/2012 7:47:39 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_49_amb_temp_22.9_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

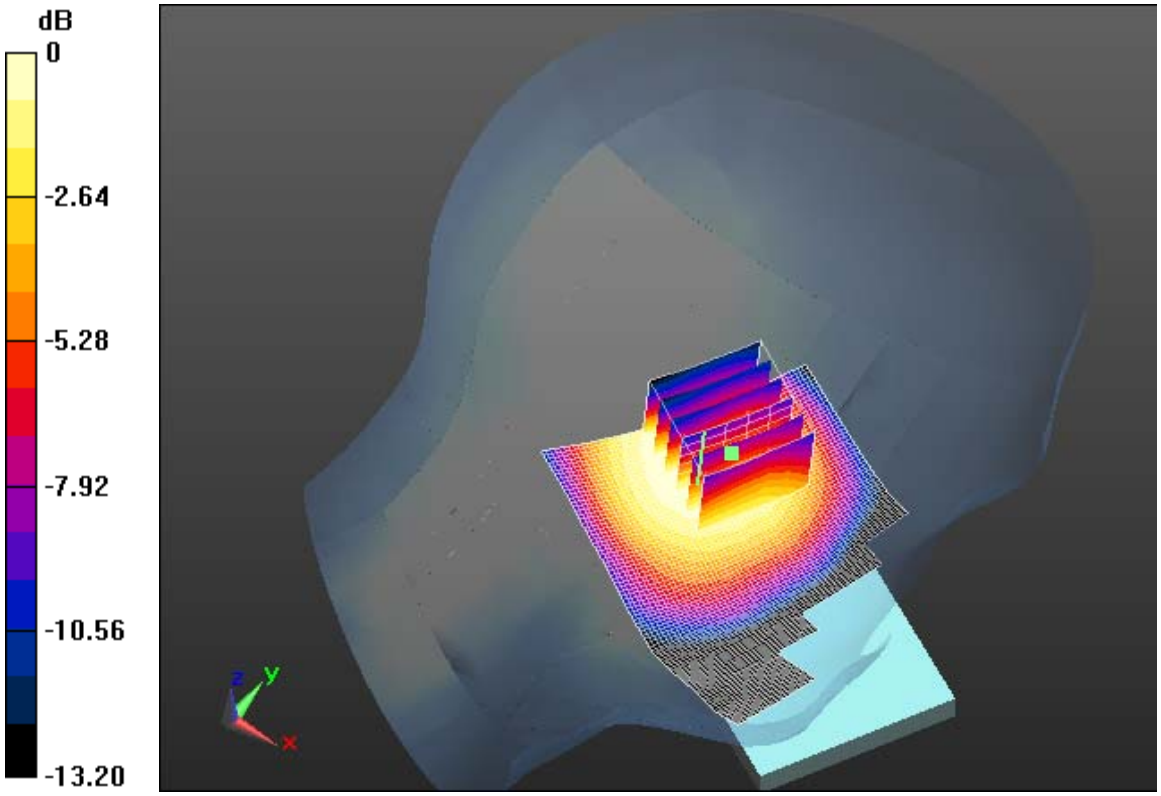
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.409 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.656 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.5510
SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.240 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.404 mW/g



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

Date/Time: 11/9/2012 8:04:35 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_25_Offset_0_amb_temp_23.5_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

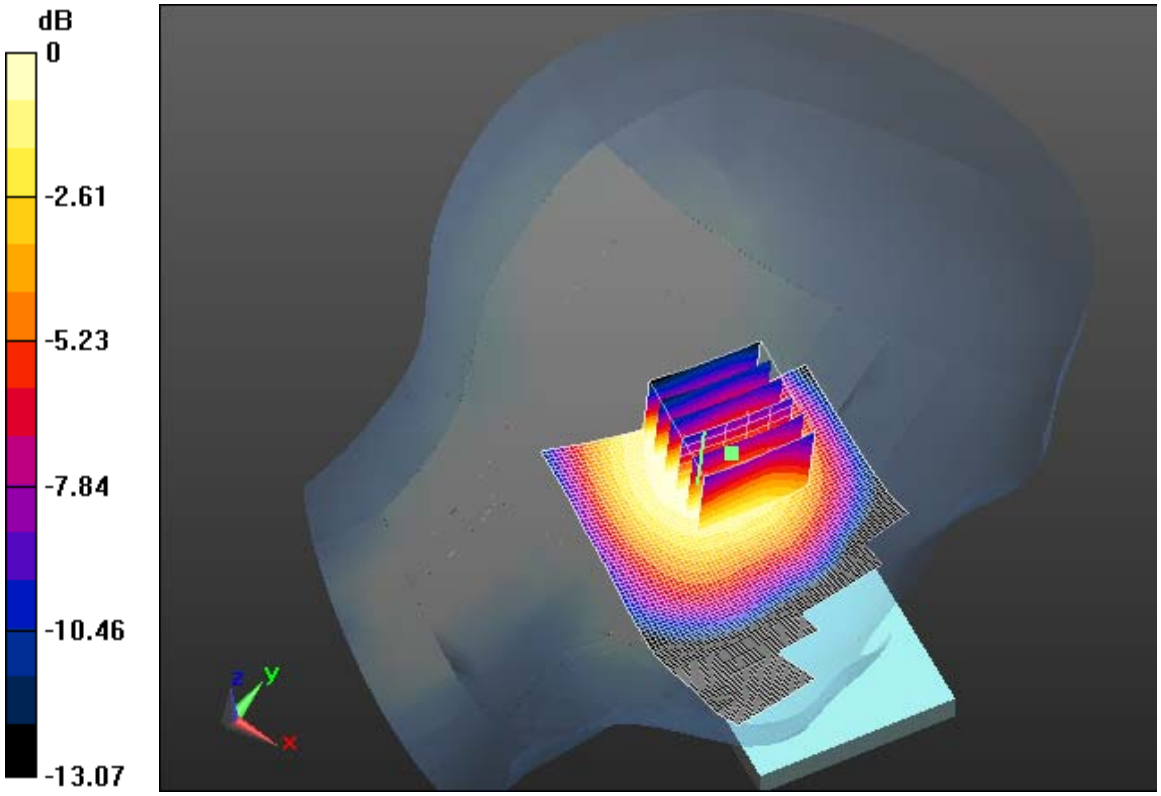
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.349 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.099 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.4730
SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.208 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.351 mW/g



0 dB = 0.350mW/g = -9.12 dB mW/g

Date/Time: 11/9/2012 8:22:16 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_23.1_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

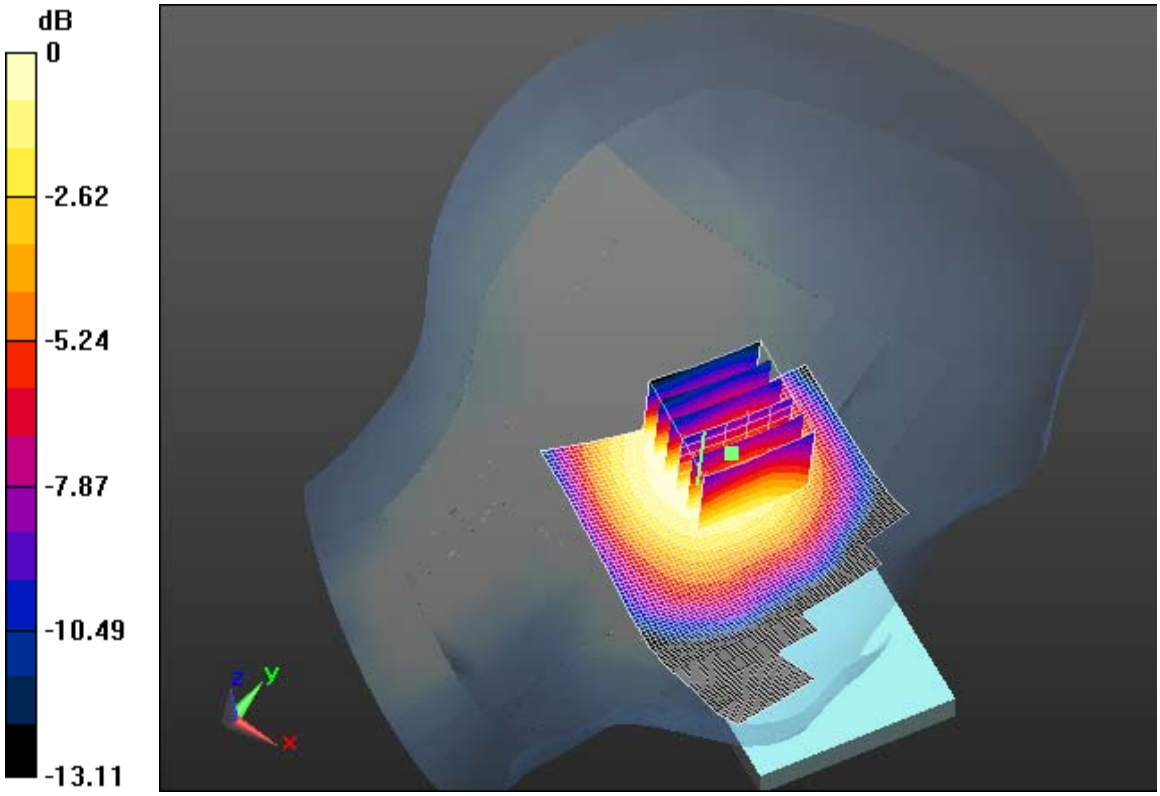
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.358 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.467 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.4840
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.213 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.359 mW/g



0 dB = 0.360mW/g = -8.87 dB mW/g

Date/Time: 11/9/2012 8:38:47 PM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_1_Offset_49_amb_temp_22.9_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.934 mho/m; ε_r = 40.111; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

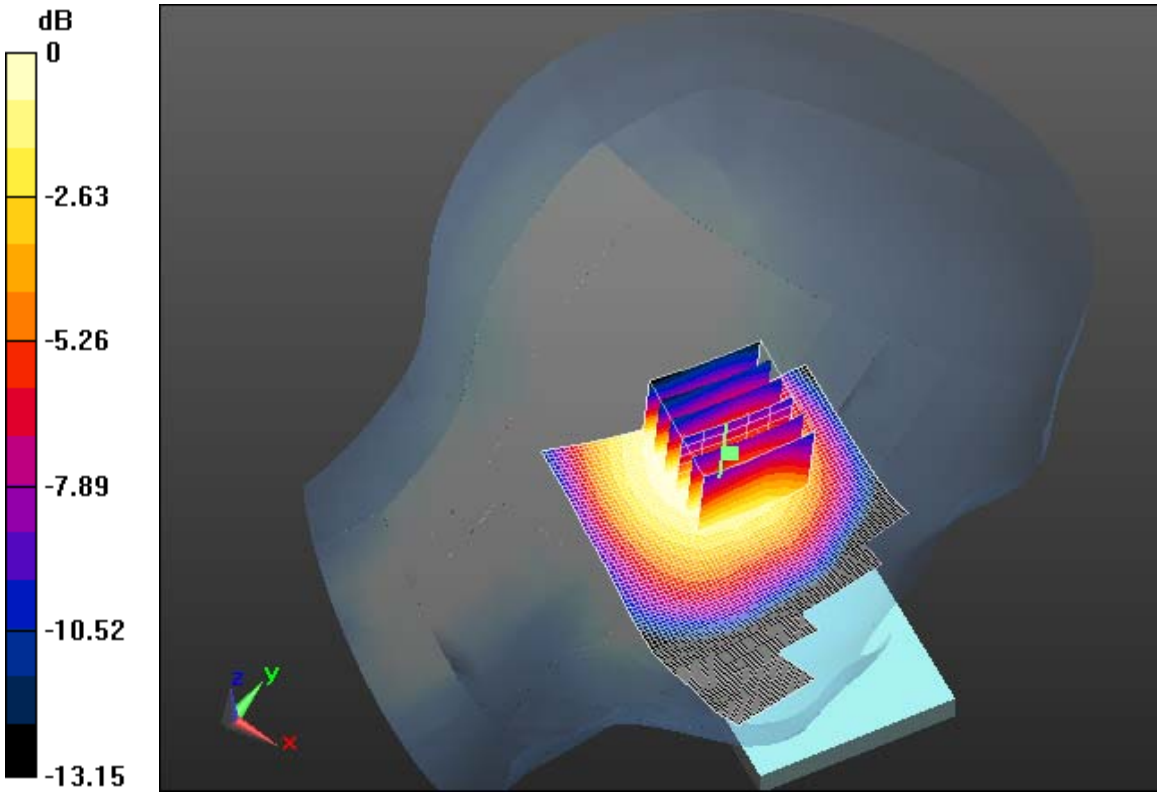
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.319 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.274 V/m; Power Drift = 0.0085 dB
Peak SAR (extrapolated) = 0.4300
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.186 mW/g

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



0 dB = 0.320mW/g = -9.90 dB mW/g

Date/Time: 11/12/2012 10:18:17 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_16QAM_RB_16_Offset_0_amb_temp_24.0_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.907 mho/m; ε_r = 40.229; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

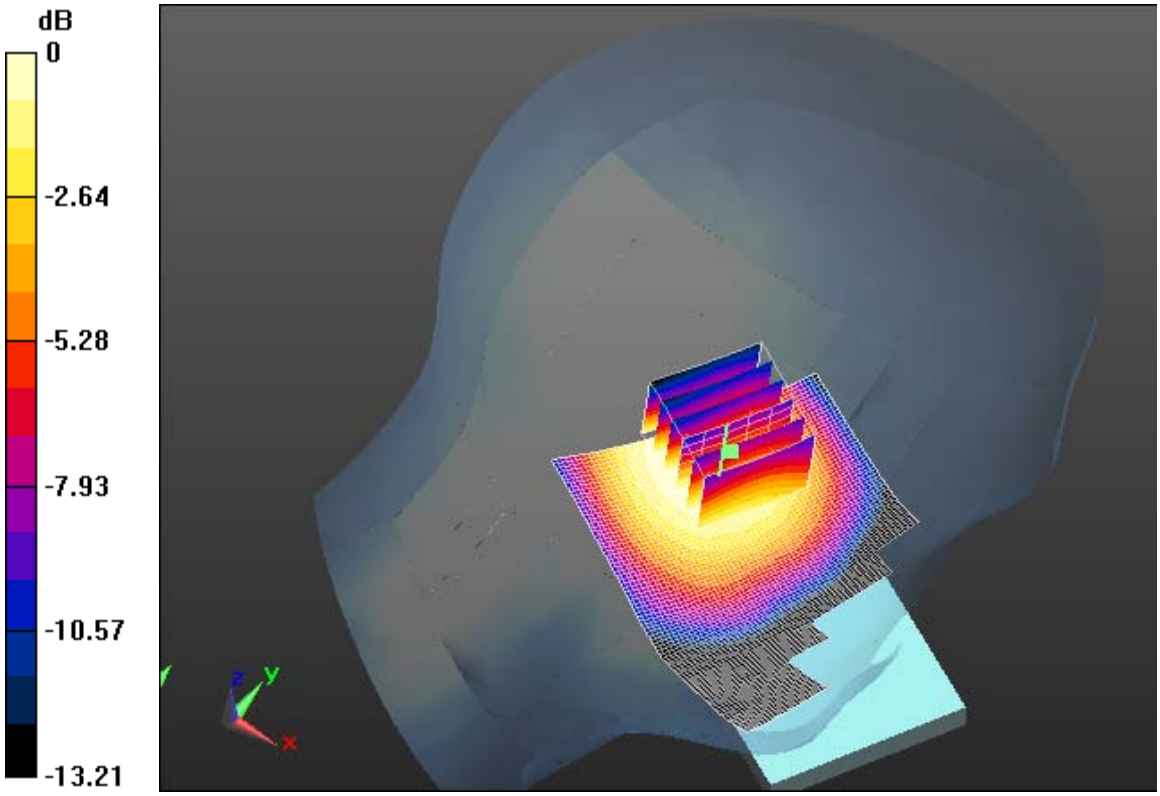
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.269 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.111 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.3430
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.158 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.270 mW/g



0 dB = 0.270mW/g = -11.37 dB mW/g

Date/Time: 11/12/2012 10:40:34 AM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_24.6_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.907 mho/m; ε_r = 40.229; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

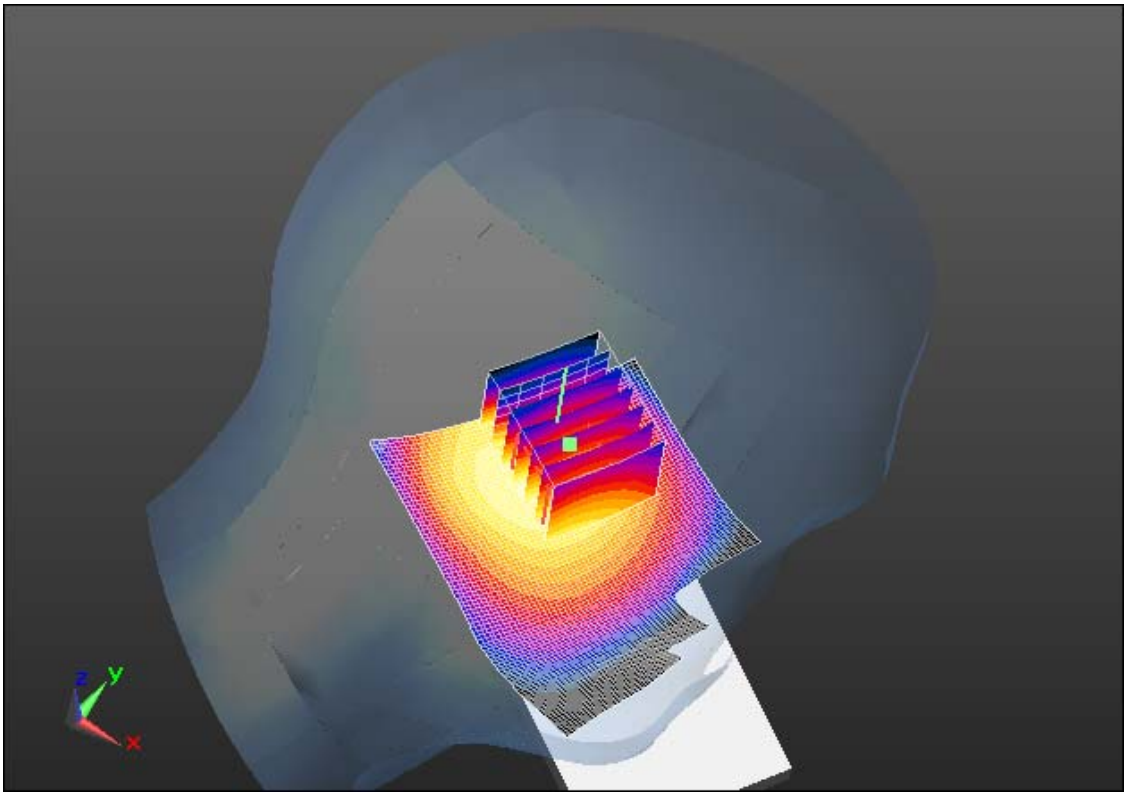
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.861 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.5240
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.170 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.326 mW/g



0 dB = 0.330mW/g = -9.63 dB mW/g

Date/Time: 11/12/2012 11:25:28 AM

Test Laboratory: RIM Testing Services

LeftHandside_Tilt_LTE_13_mid_chan_16QAM_RB_1_Offset_0_amb_temp_24.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F9758

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.907 mho/m; ε_r = 40.229; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

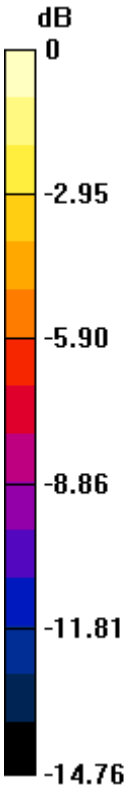
- Probe: ES3DV3 - SN3225; ConvF(6.42, 6.42, 6.42); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

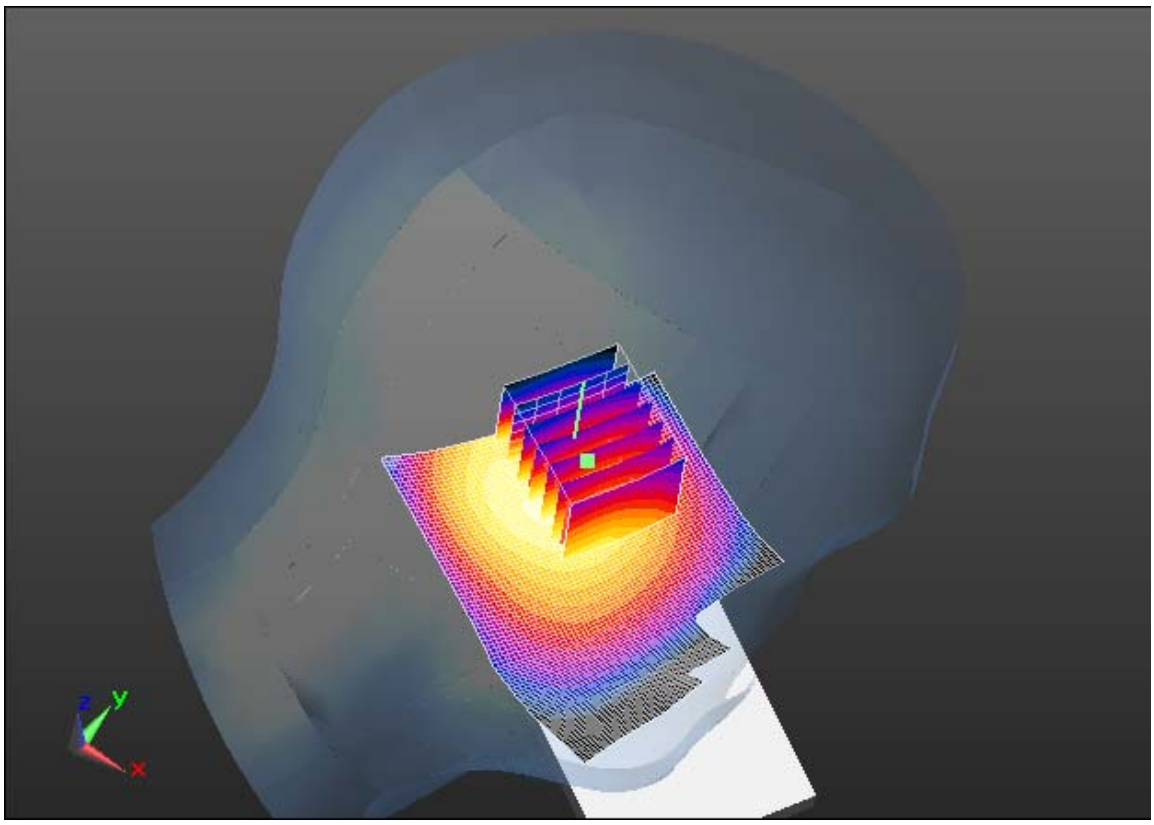
Configuration/Tilt position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.259 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.154 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.4190
SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.134 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.261 mW/g





0 dB = 0.260mW/g = -11.70 dB mW/g

Date/Time: 8/28/2012 3:51:59 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_low_chan_amb_temp_23.6C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

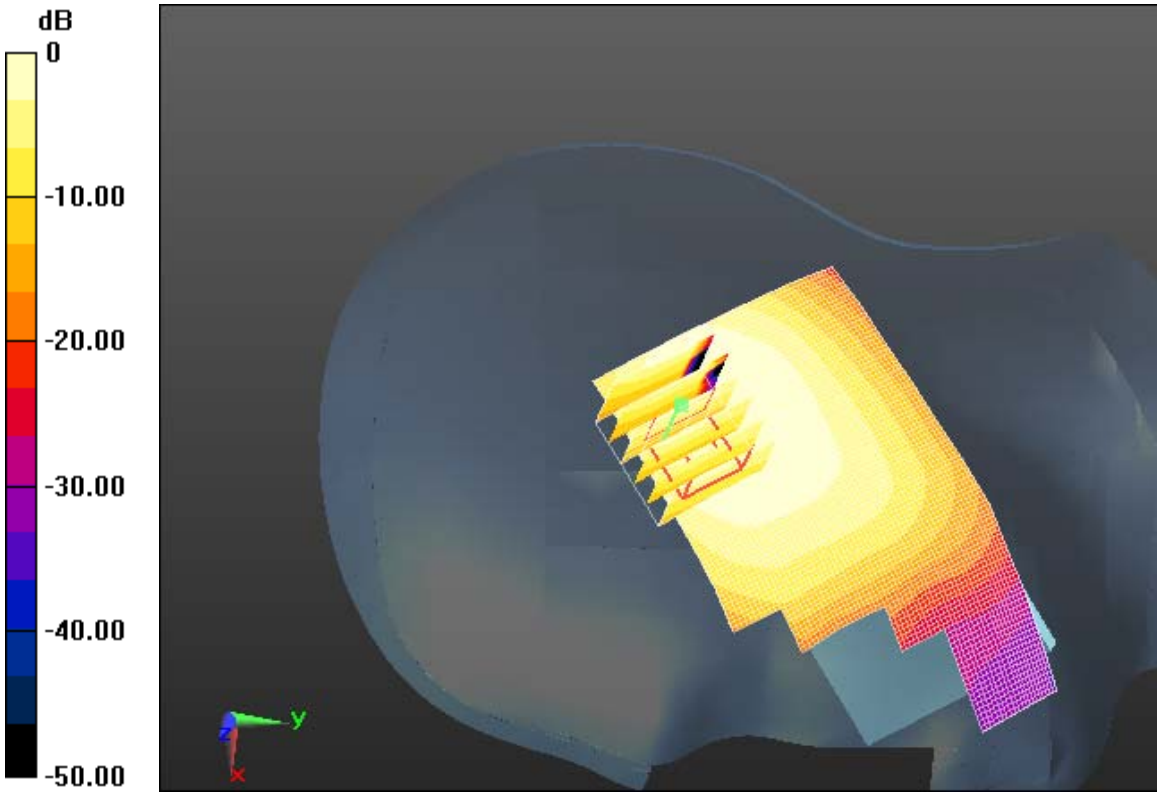
Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.922 mho/m; ε_r = 40.298; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
Maximum value of SAR (interpolated) = 1.213 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.218 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.5630
SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.557 mW/g
Maximum value of SAR (measured) = 1.083 mW/g



0 dB = 1.080mW/g = 0.67 dB mW/g

Date/Time: 8/28/2012 3:31:58 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_23.6C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

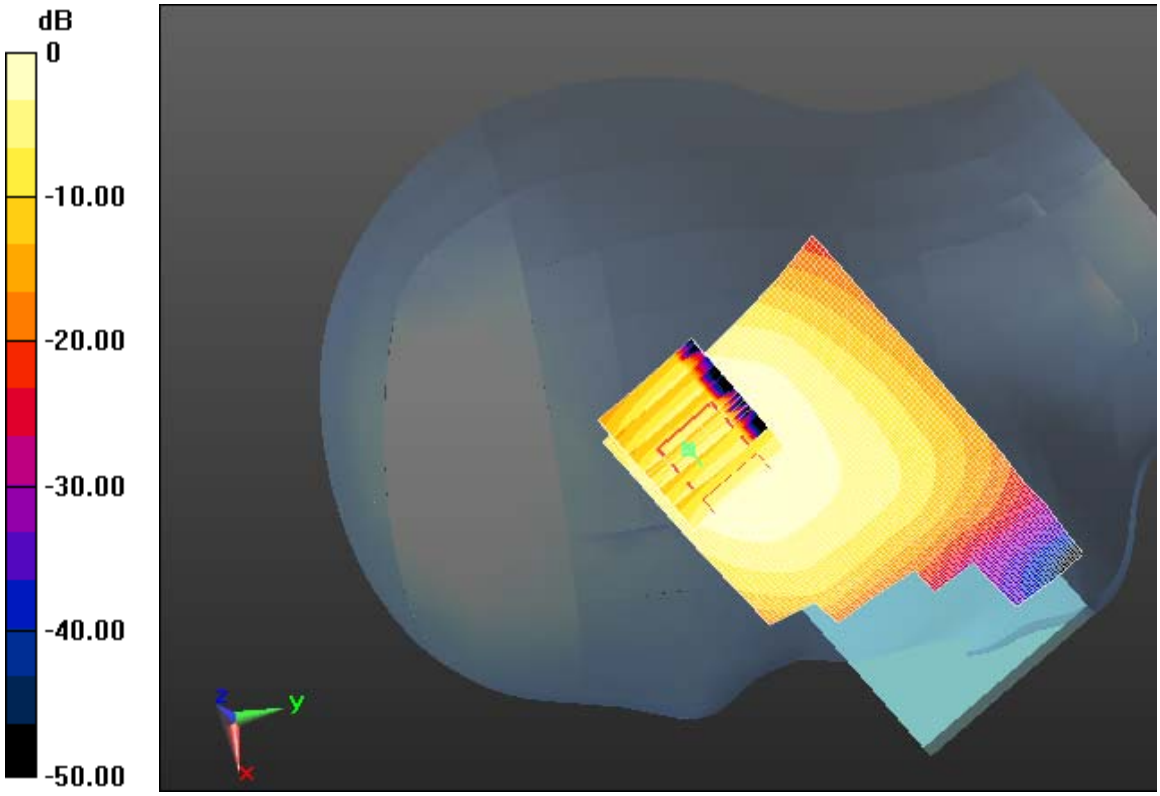
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.215 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.651 V/m; Power Drift = 0.26 dB
Peak SAR (extrapolated) = 2.4960
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.637 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.156 mW/g



0 dB = 1.160mW/g = 1.29 dB mW/g

Date/Time: 8/28/2012 4:33:31 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_high_chan_amb_temp_23.6C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.943 mho/m; ε_r = 39.983; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

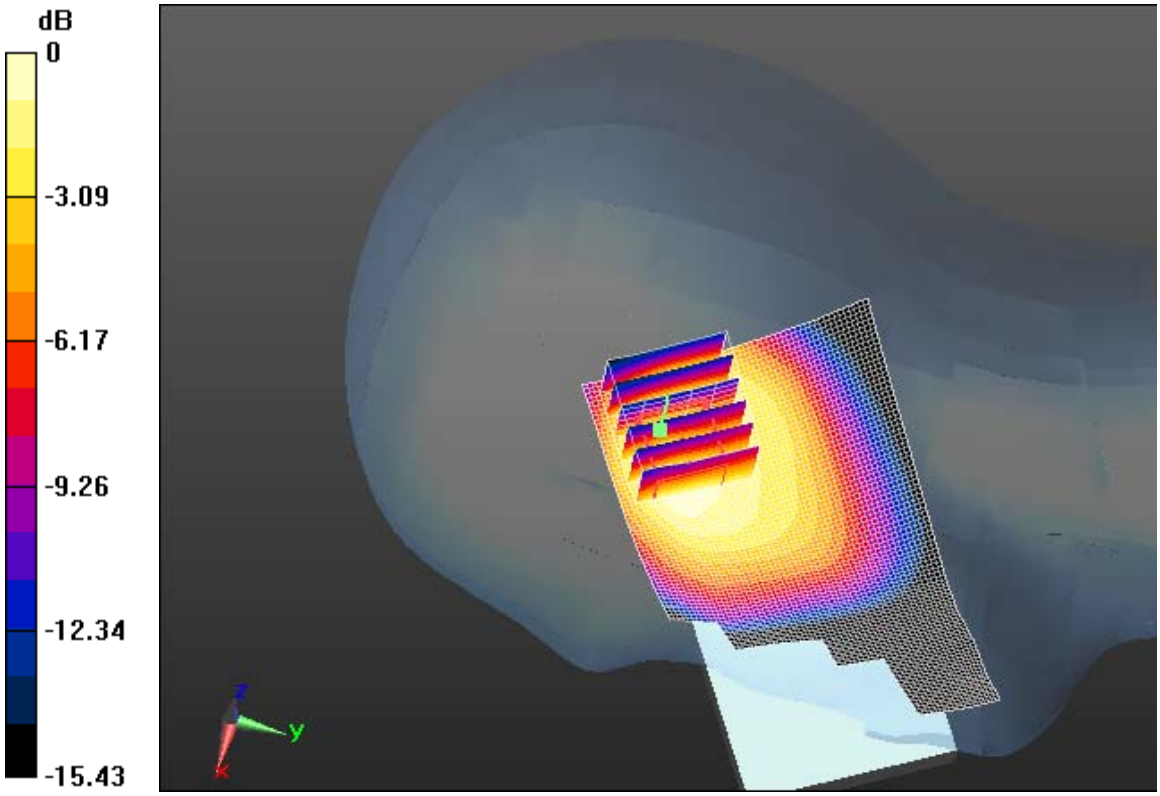
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.105 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.086 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.4530
SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.507 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.000 mW/g



0 dB = 1.000mW/g = 0 dB mW/g

Date/Time: 8/29/2012 9:53:17 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE_850_mid_chan_amb_temp_23.2C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; 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) = 1.014 mW/g

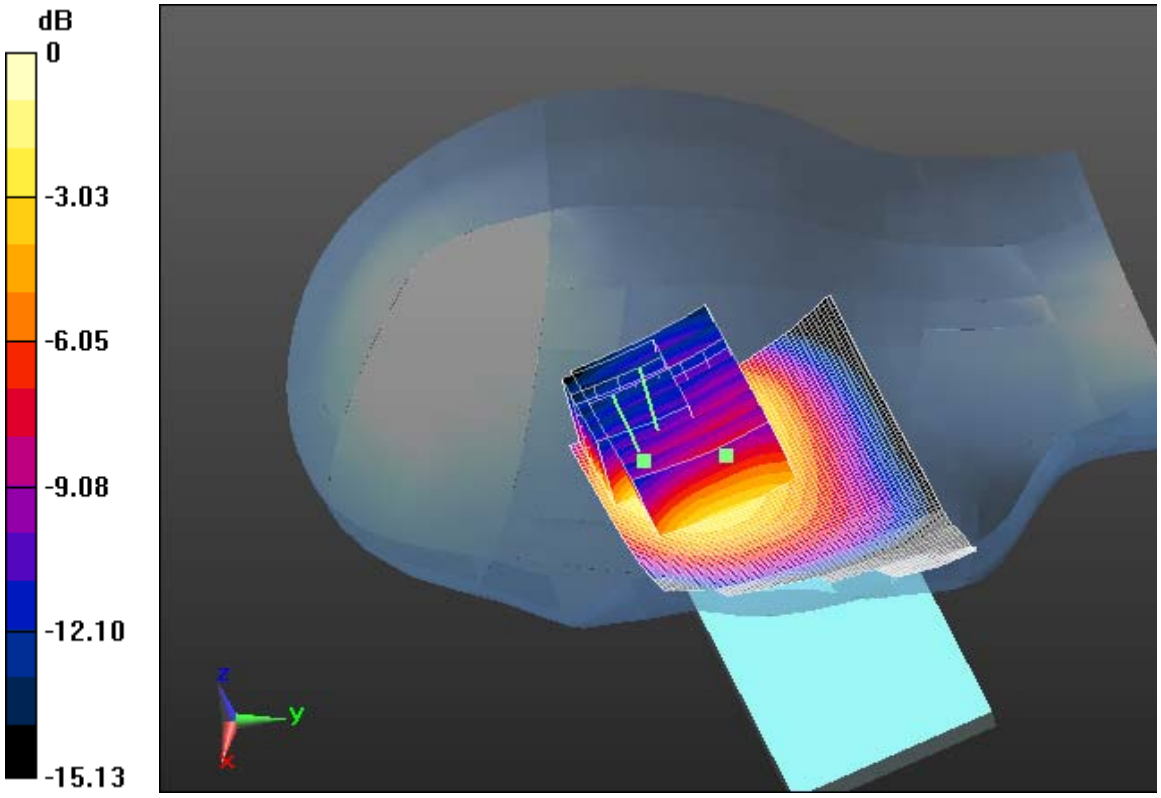
Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.285 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.4970
SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.424 mW/g

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

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x8x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.285 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.3980
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.416 mW/g

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



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

Date/Time: 8/29/2012 10:35:56 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_23.2C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: GSM 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

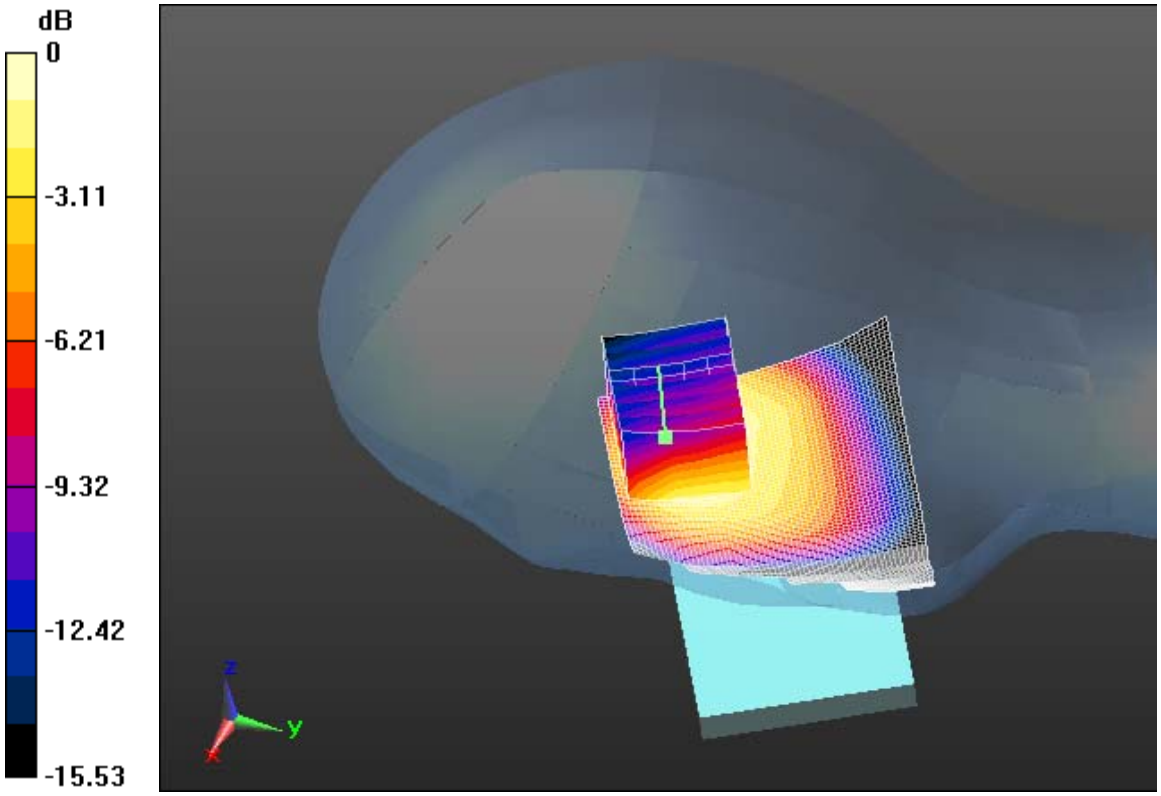
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.277 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.265 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.8150
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.639 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.253 mW/g



0 dB = 1.250mW/g = 1.94 dB mW/g

Date/Time: 8/29/2012 3:20:46 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_3slots_mid_chan_amb_temp_22.9C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (3 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; 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) = 1.497 mW/g

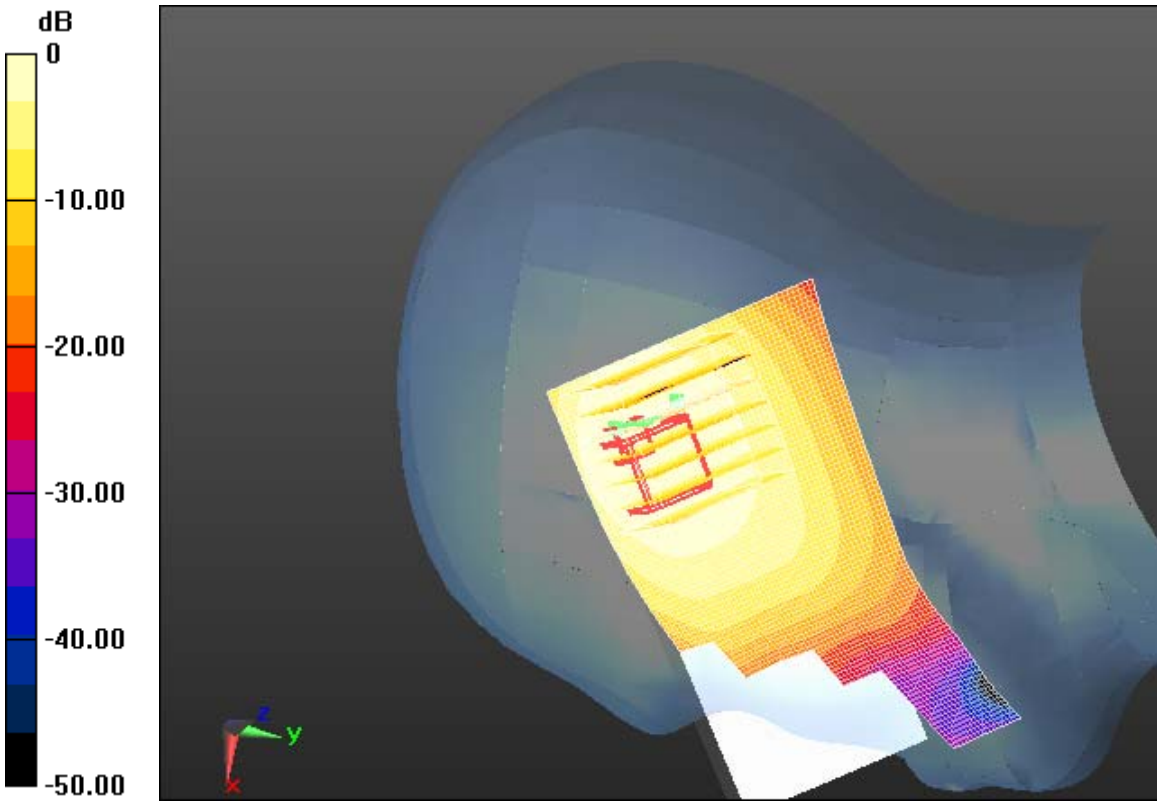
Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.006 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 1.9730
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.691 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.383 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.006 V/m; Power Drift = -0.29 dB
Peak SAR (extrapolated) = 1.8930
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.676 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.311 mW/g



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

Date/Time: 8/29/2012 5:04:06 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_4slots_mid_chan_amb_temp_22.9C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (4 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

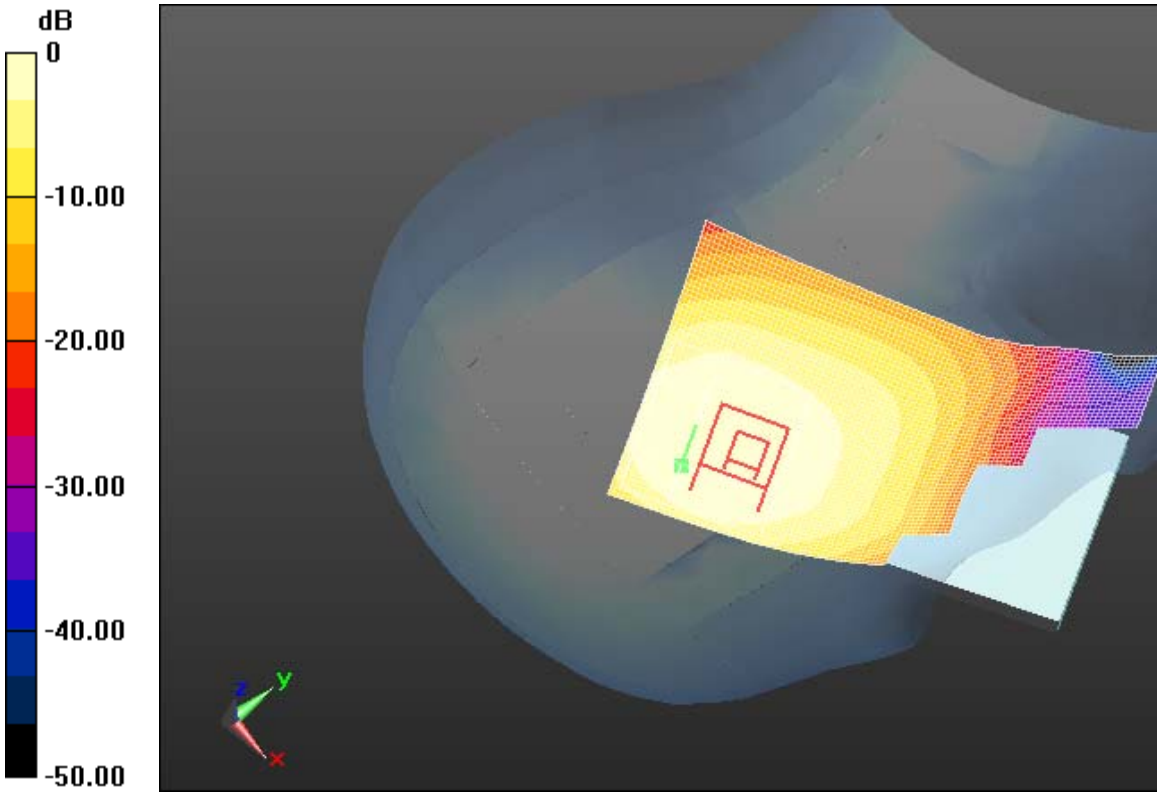
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.424 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.400 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.0530
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.705 mW/g

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



0 dB = 1.300mW/g = 2.28 dB mW/g

Date/Time: 8/29/2012 11:46:08 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_low_chan_amb_temp_23.1C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.922 mho/m; ε_r = 40.298; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

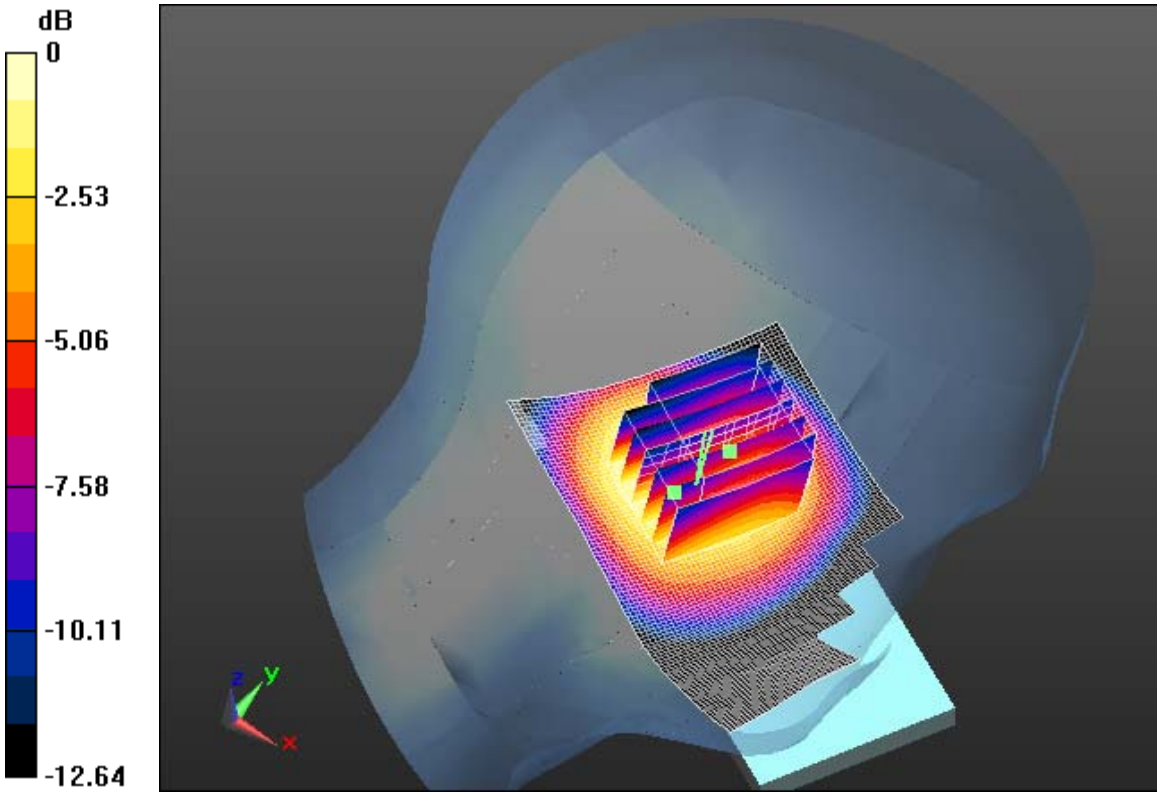
DASY Configuration:

- 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.120 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.976 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.4990
SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.666 mW/g
Maximum value of SAR (measured) = 1.122 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.976 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.4990
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.657 mW/g
Maximum value of SAR (measured) = 1.118 mW/g



0 dB = 1.120mW/g = 0.98 dB mW/g

Date/Time: 8/29/2012 11:08:46 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_mid_chan_amb_temp_23.1C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

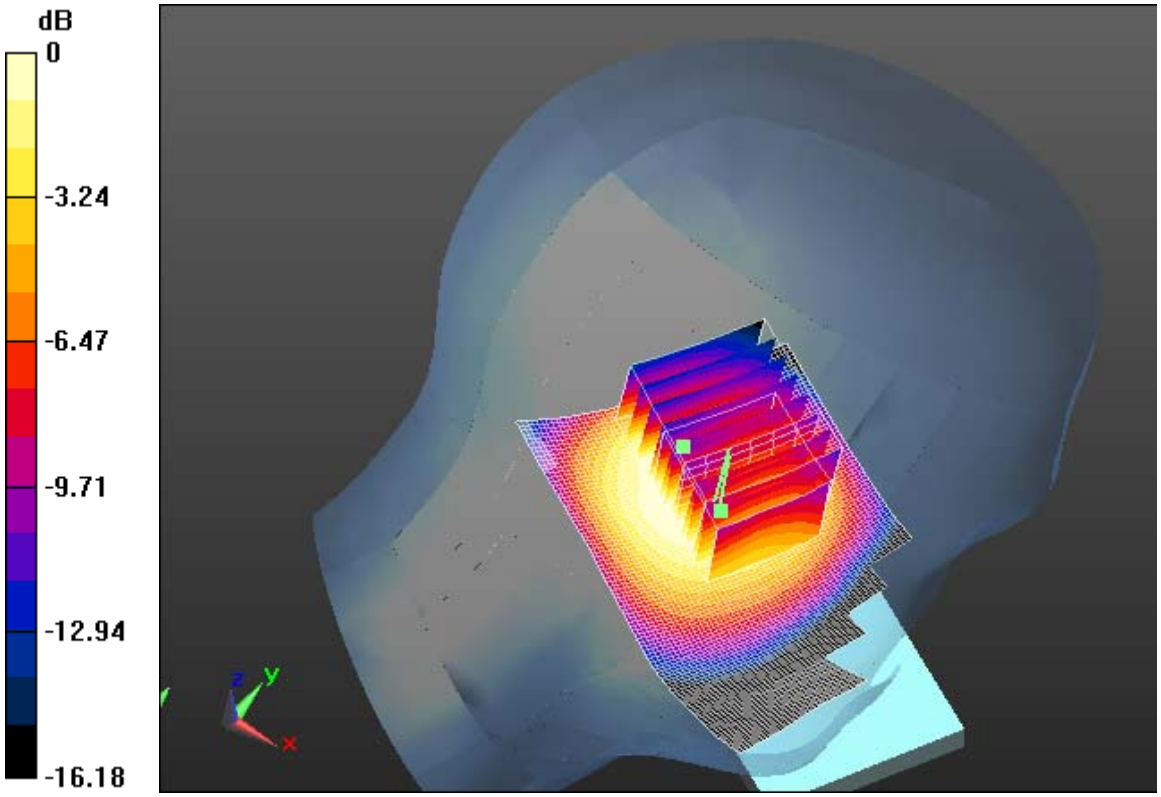
Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.000 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.3660
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.614 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.053 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x8x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.000 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.3640
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.616 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



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

Date/Time: 8/29/2012 12:59:12 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_high_chan_amb_temp_23.1C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.943 mho/m; ε_r = 39.983; 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.922 mW/g

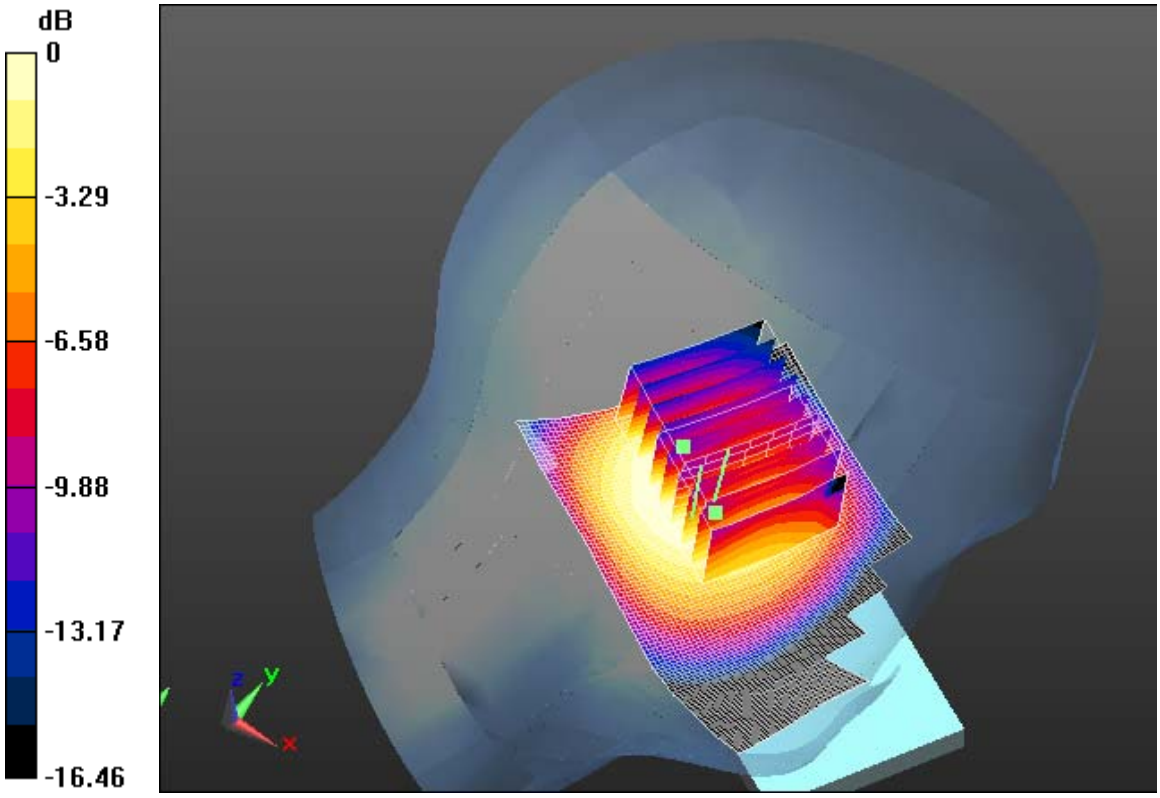
Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.578 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.1640
SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.519 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.894 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x8x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.578 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.1640
SAR(1 g) = 0.769 mW/g; SAR(10 g) = 0.519 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.891 mW/g



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

Date/Time: 8/29/2012 2:38:24 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.0C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.935 mho/m; ε_r = 40.151; 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/Tilt position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.010 mW/g

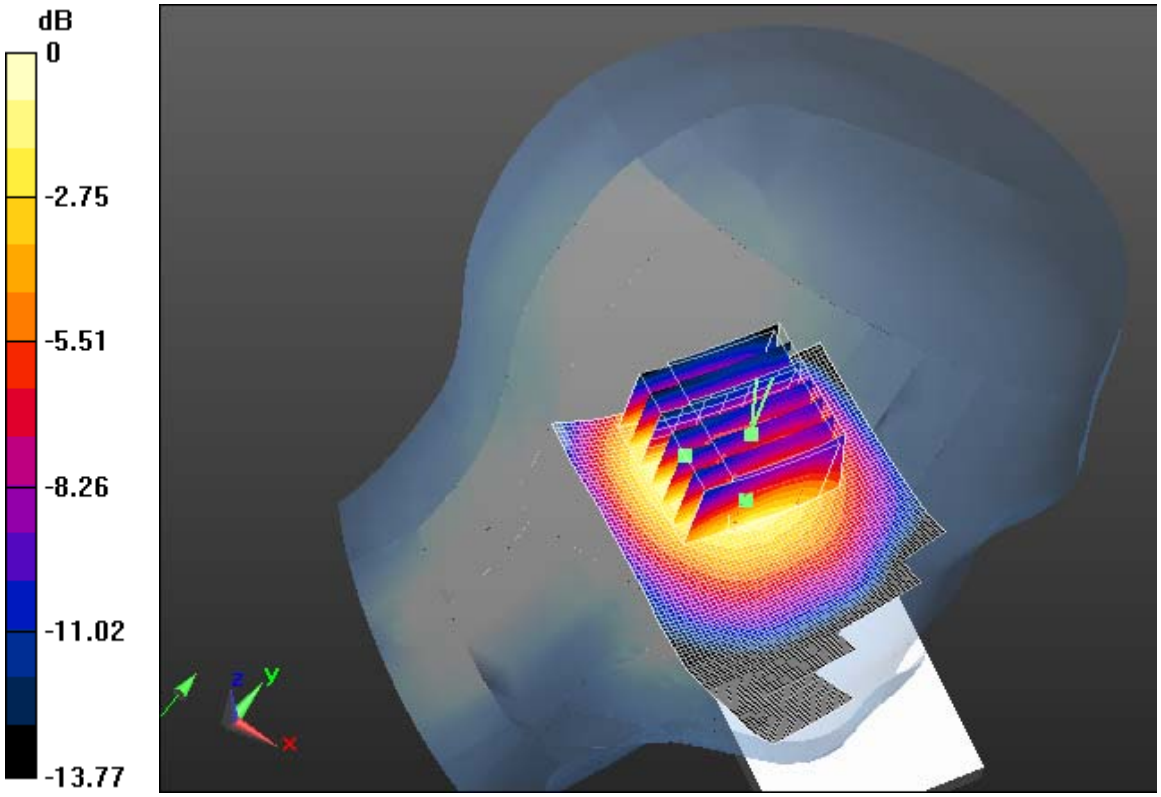
Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.713 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 1.3260
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.432 mW/g

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

Configuration/Tilt position -/Zoom Scan 2 (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.713 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 1.3310
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.434 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.813 mW/g



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

Date/Time: 8/29/2012 1:35:58 PM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM850_low_chan_amb_temp_23.1C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: GSM 850; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.922 mho/m; ε_r = 40.298; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

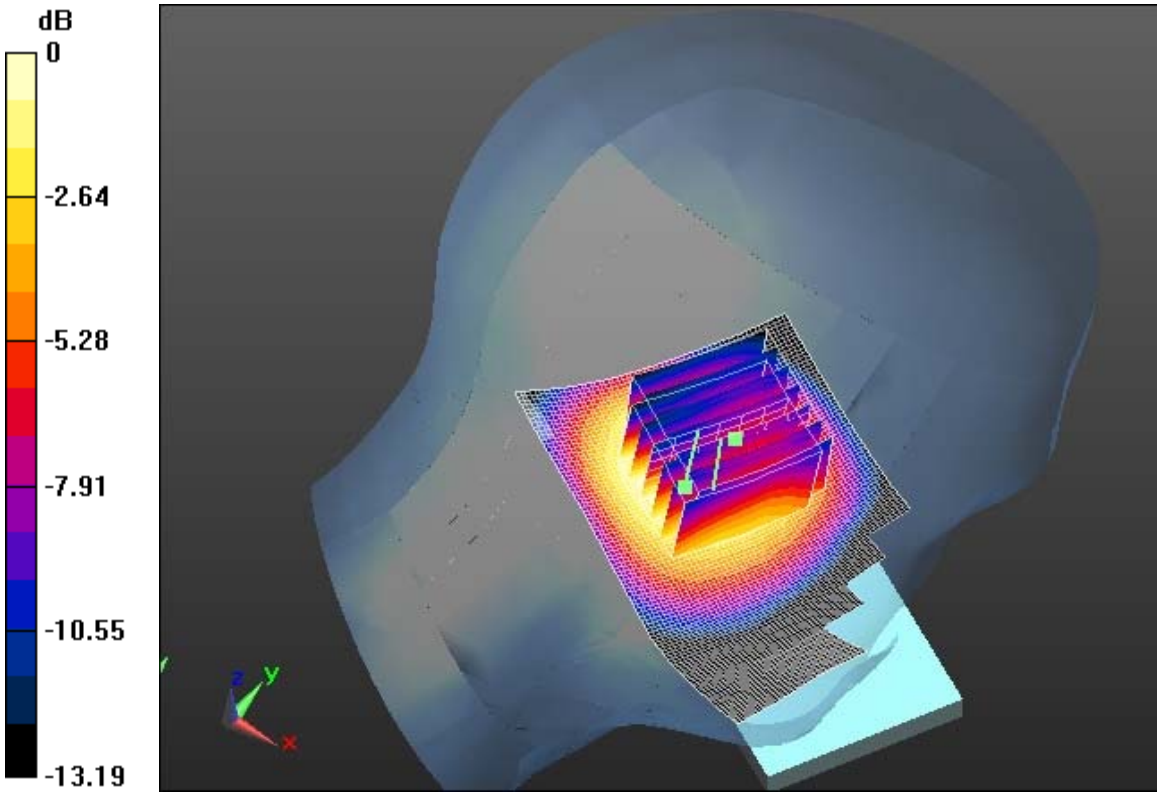
DASY Configuration:

- 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.231 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.836 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.6350
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.690 mW/g
Maximum value of SAR (measured) = 1.213 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.836 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.7420
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.688 mW/g
Maximum value of SAR (measured) = 1.171 mW/g



0 dB = 1.170mW/g = 1.36 dB mW/g

Date/Time: 10/30/2012 5:08:48 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_3-slots_mid_chan_amb_temp_24.3C_ liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 850 (3 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.883 mho/m; ε_r = 40.786; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

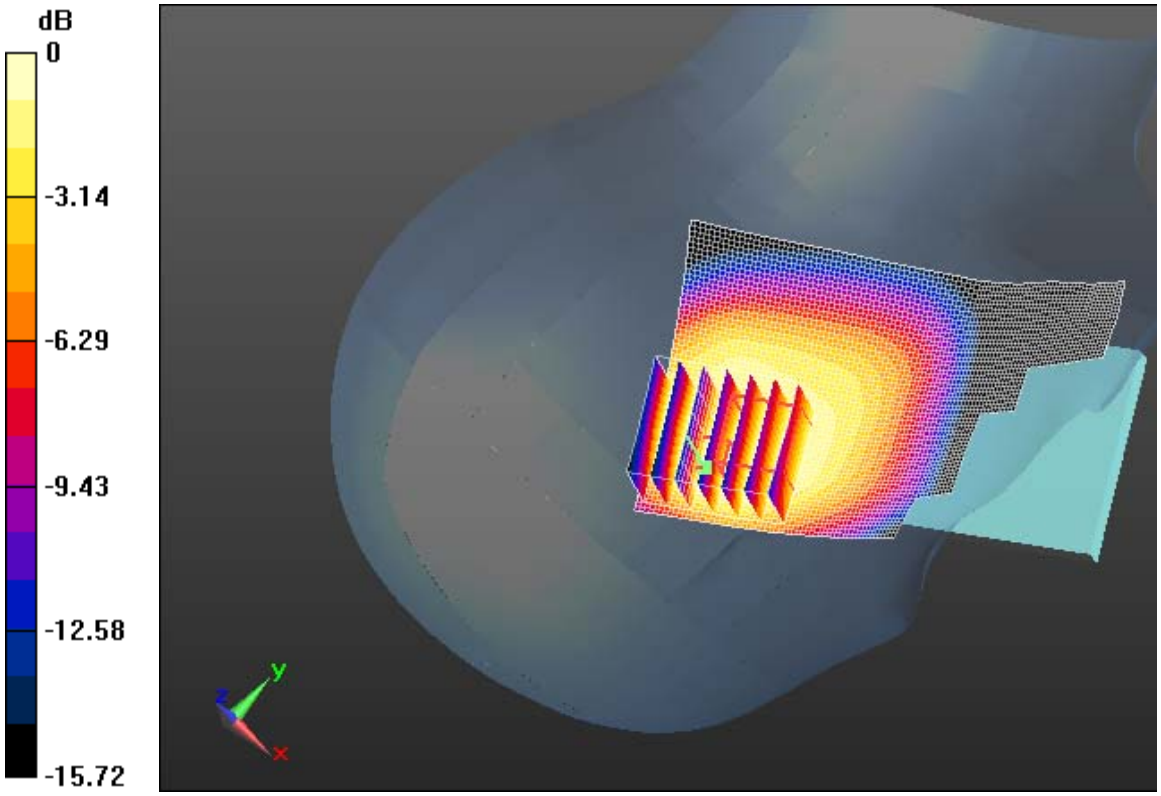
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.429 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.134 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.8450
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.654 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.272 mW/g



0 dB = 1.270mW/g = 2.08 dB mW/g

Date/Time: 9/4/2012 5:09:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_low_chan_amb_temp_22.9C_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

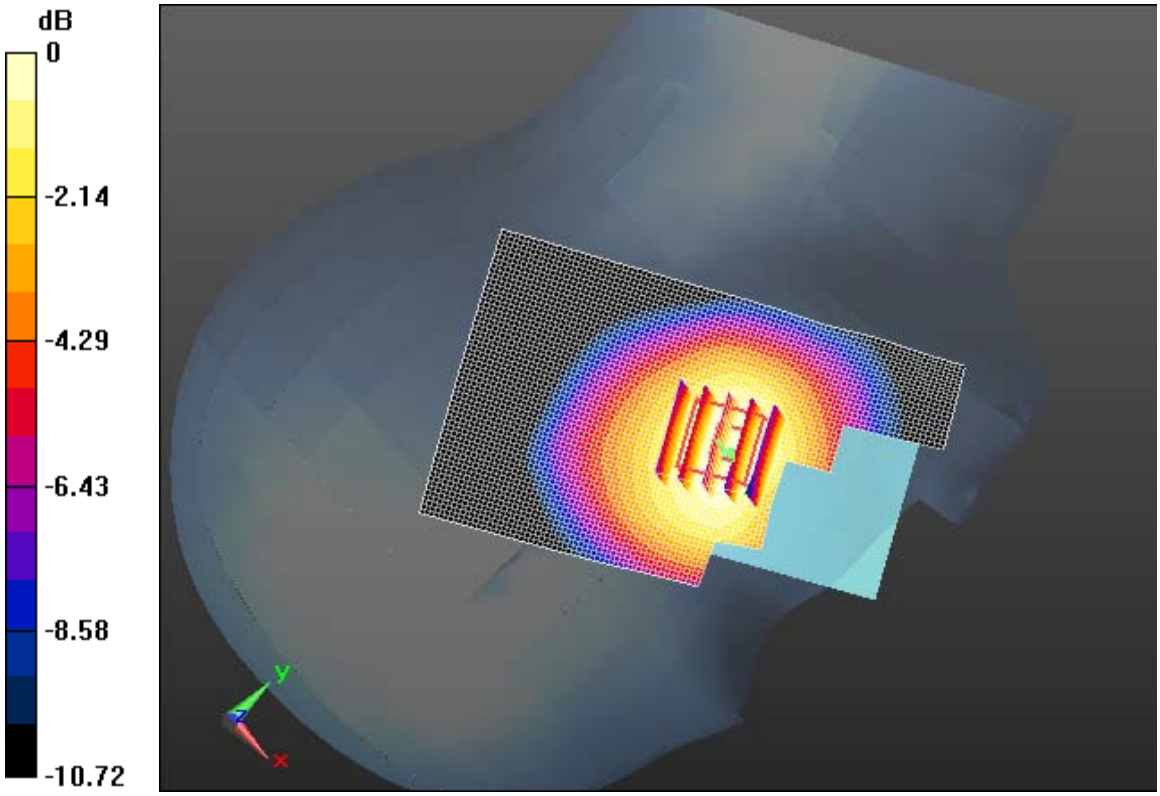
Communication System: CDMA 850; Frequency: 824.7 MHz
Medium parameters used: f = 825 MHz; σ = 0.913 mho/m; ε_r = 41.019; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
Maximum value of SAR (interpolated) = 0.890 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.354 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 0.9760
SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 0.882 mW/g



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

Date/Time: 9/4/2012 4:28:37 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_mid_chan_amb_temp_22.9C_liq_temp_22.7 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.925 mho/m; ε_r = 40.837; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

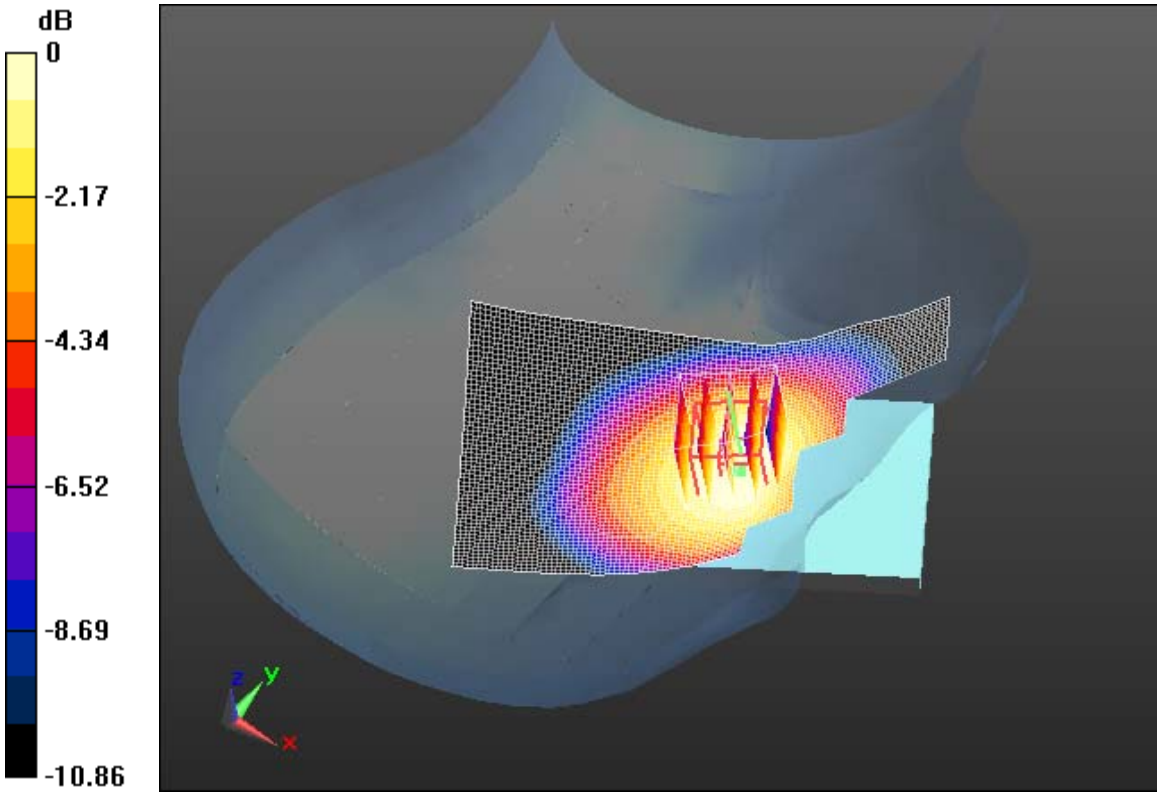
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.958 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.967 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 1.0340
SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.665 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.934 mW/g



0 dB = 0.930mW/g = -0.63 dB mW/g

Date/Time: 9/4/2012 5:25:25 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_high_chan_amb_temp_22.9C_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 848.52 MHz
Medium parameters used (interpolated): f = 848.52 MHz; σ = 0.935 mho/m; ε_r = 40.683; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

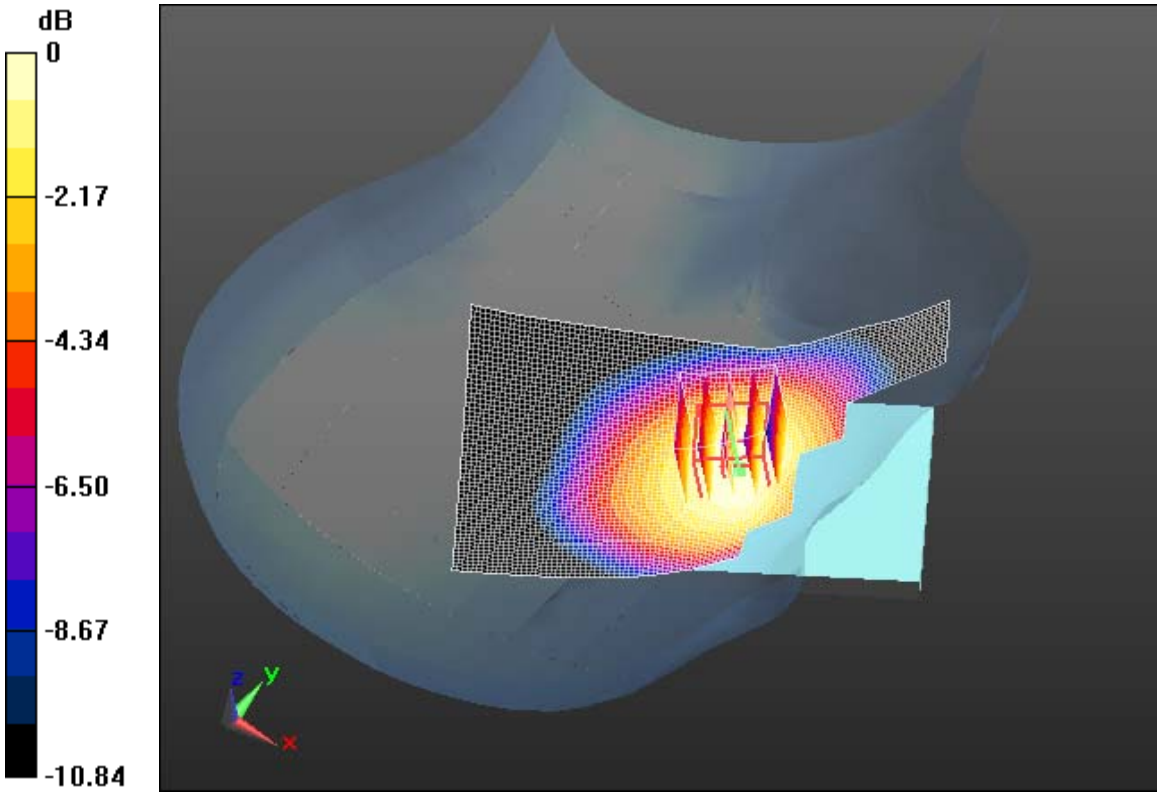
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.832 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.214 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.9120
SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.580 mW/g

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



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

Date/Time: 9/4/2012 5:42:08 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA_850_mid_chan_amb_temp_23.0C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.925 mho/m; ε_r = 40.837; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

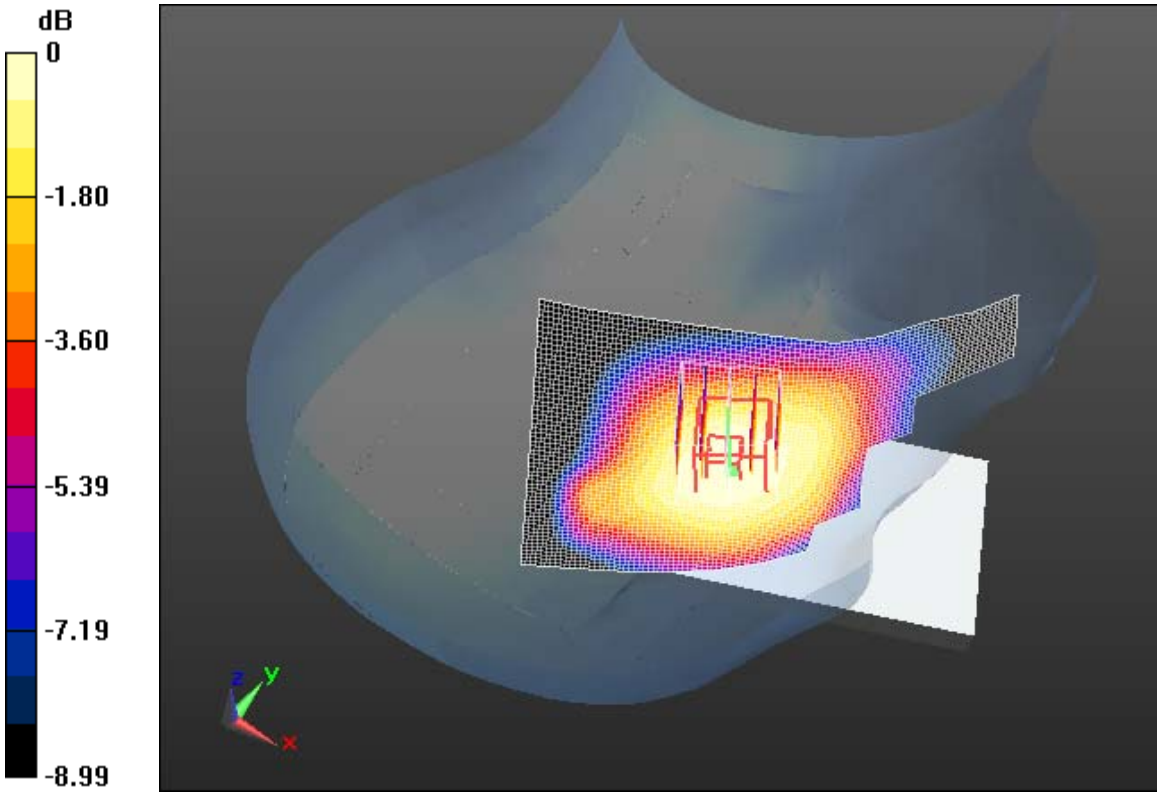
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.489 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.380 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.5370
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.350 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.485 mW/g



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

Date/Time: 9/4/2012 1:27:57 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_low_chan_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 824.7 MHz
Medium parameters used: f = 825 MHz; σ = 0.913 mho/m; ε_r = 41.019; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

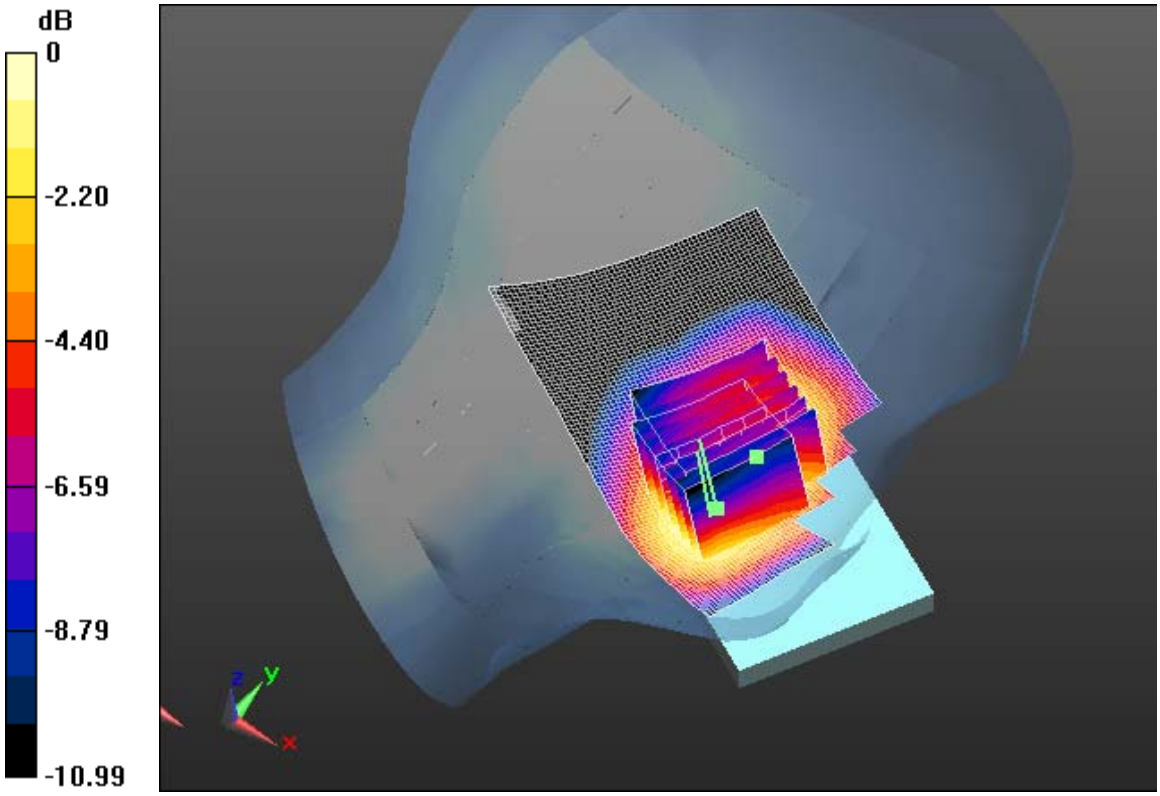
DASY Configuration:

- 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.890 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.741 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.0850
SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.604 mW/g
Maximum value of SAR (measured) = 0.904 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.741 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.0890
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.613 mW/g
Maximum value of SAR (measured) = 0.909 mW/g



0 dB = 0.910mW/g = -0.82 dB mW/g

Date/Time: 9/4/2012 12:55:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_mid_chan_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.925 mho/m; ε_r = 40.837; 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

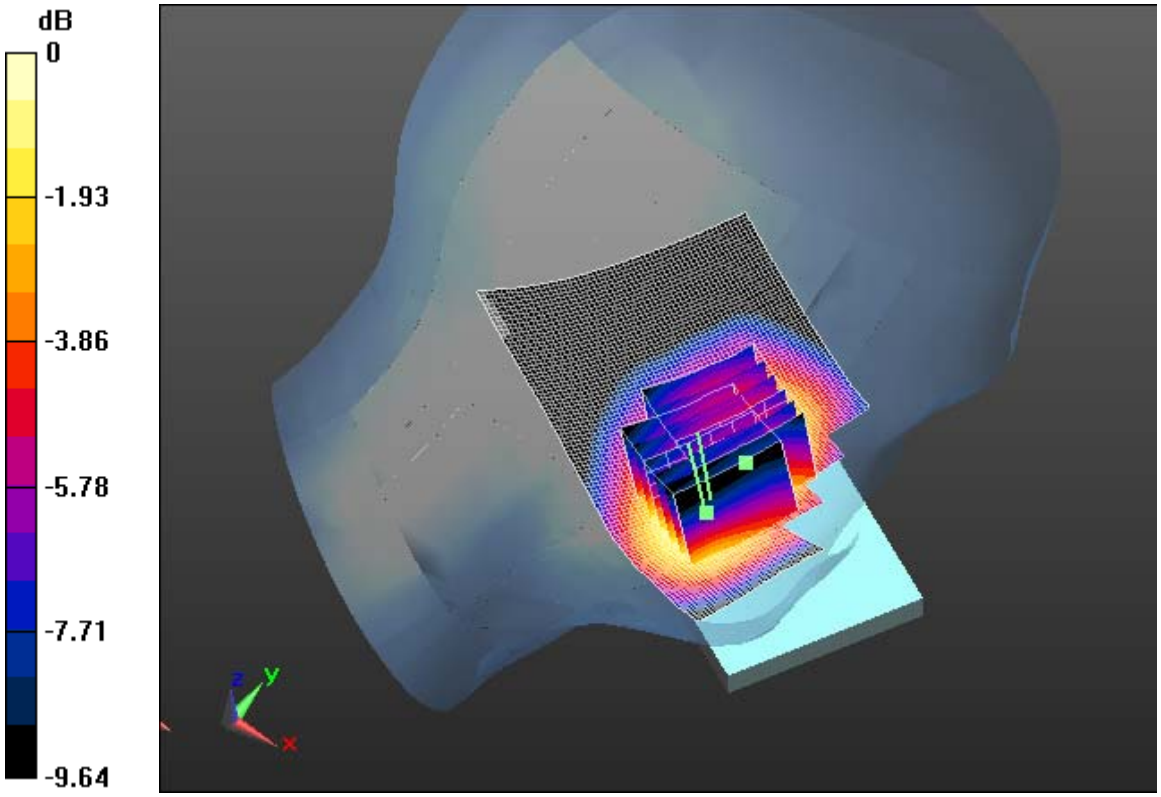
Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.350 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.2170
SAR(1 g) = 0.903 mW/g; SAR(10 g) = 0.670 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.005 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.350 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.1920
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.681 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



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

Date/Time: 9/4/2012 3:33:22 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_high_chan_amb_temp_23.0C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 848.52 MHz
Medium parameters used (interpolated): f = 848.52 MHz; σ = 0.935 mho/m; ε_r = 40.683; 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.913 mW/g

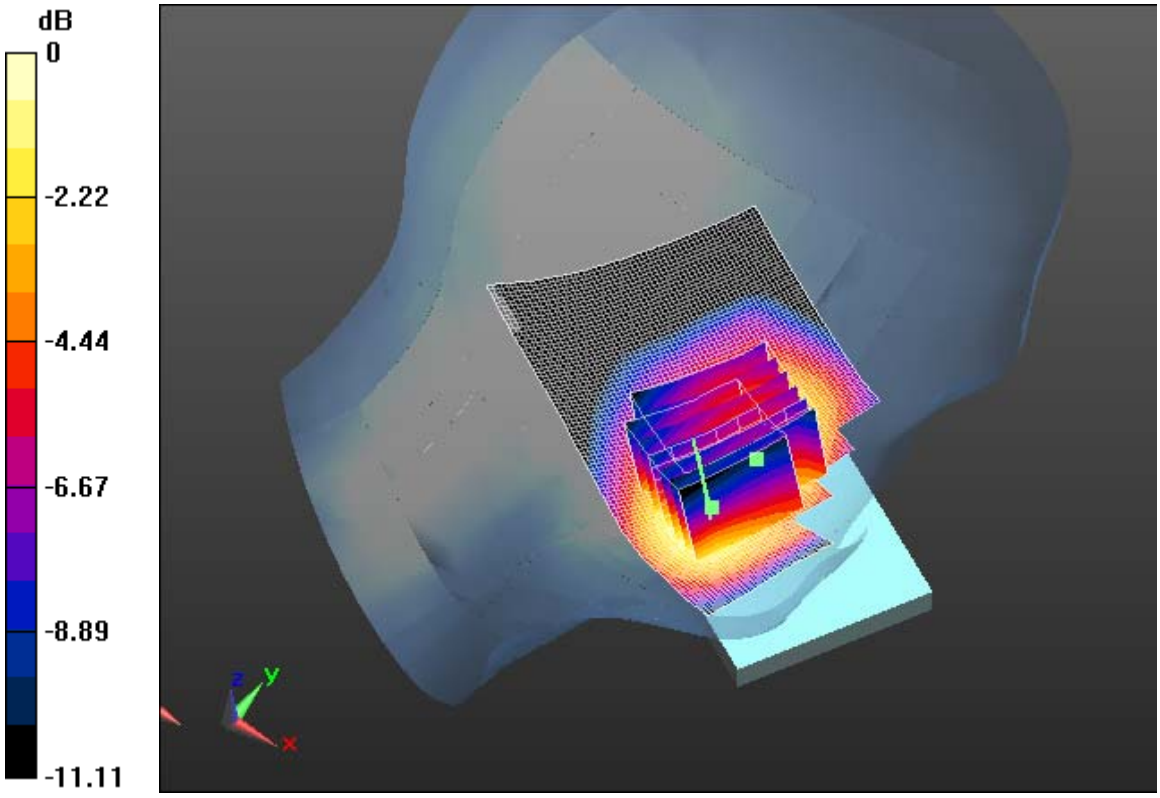
Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.107 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.1160
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.591 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.912 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.107 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.0920
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.586 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.900 mW/g



0 dB = 0.900mW/g = -0.92 dB mW/g

Date/Time: 9/4/2012 4:04:46 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA850_mid_chan_amb_temp_22.9C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.925 mho/m; ε_r = 40.837; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

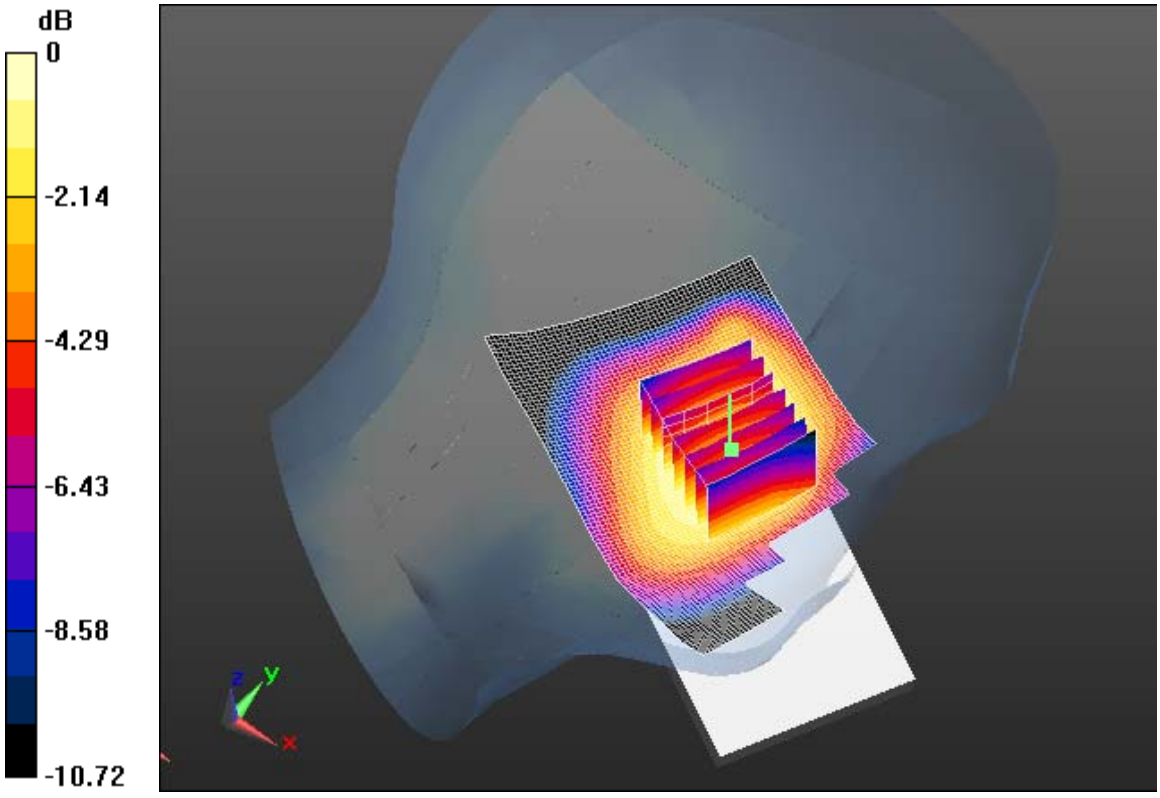
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.574 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.866 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.6360
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.403 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.560mW/g = -5.04 dB mW/g

Date/Time: 10/30/2012 4:05:16 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_mid_chan_amb_temp_24.2C_liq_temp_22.7 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.883 mho/m; ε_r = 40.786; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

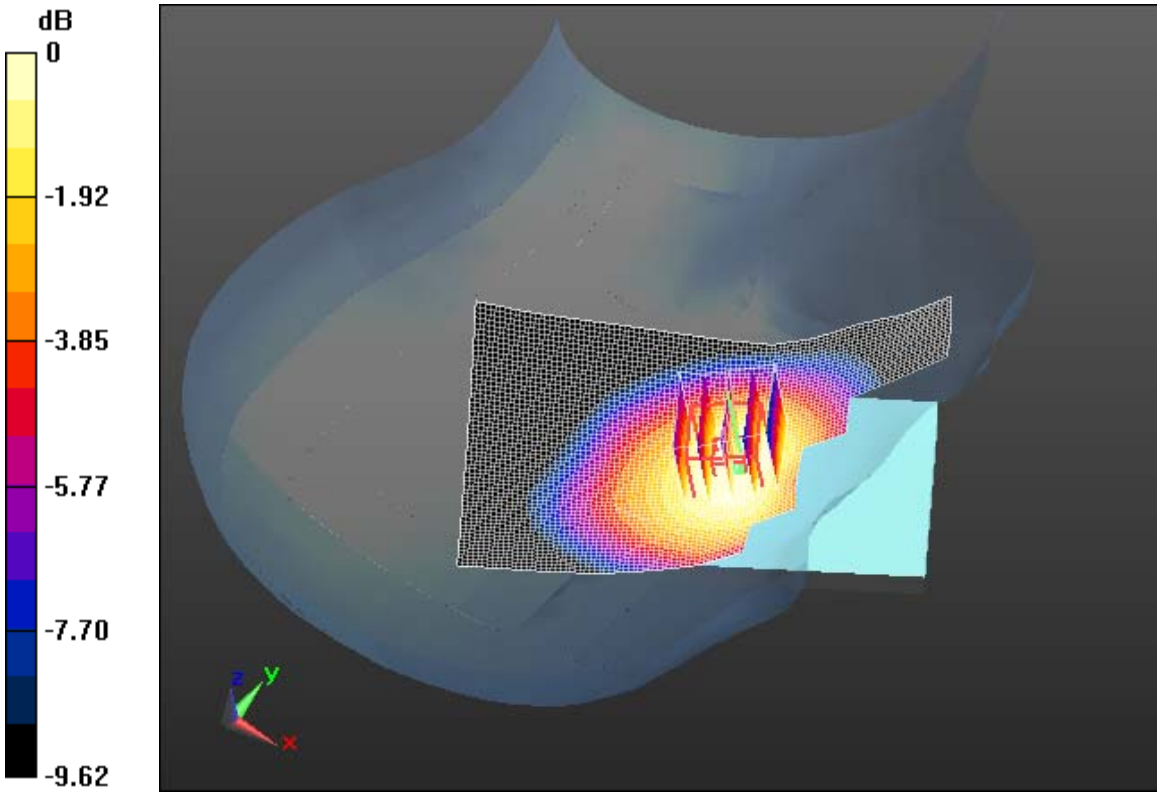
- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.115 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.305 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.2150
SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.761 mW/g

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



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

Date/Time: 10/30/2012 3:29:58 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_mid_chan_amb_temp_24.3C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.883 mho/m; ε_r = 40.786; 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 (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

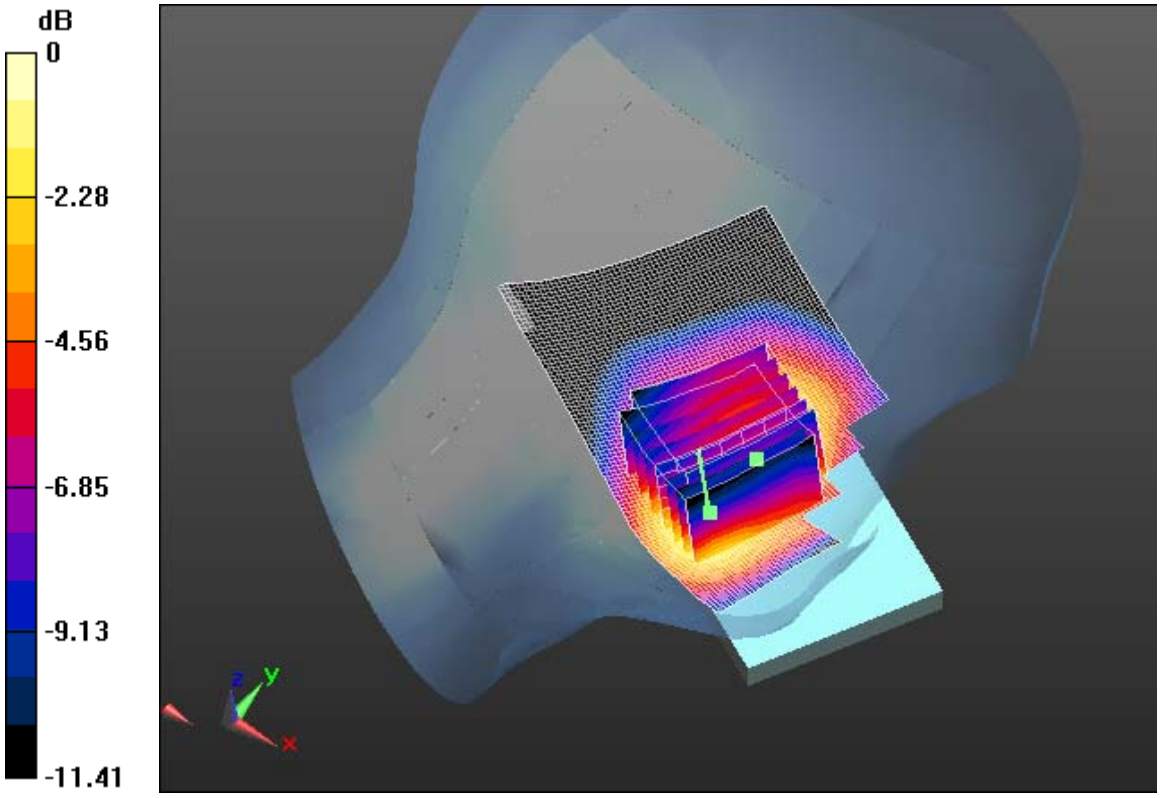
Configuration/Touch position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.730 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.3570
SAR(1 g) = 0.996 mW/g; SAR(10 g) = 0.726 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.118 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.730 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.3570
SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.726 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.119 mW/g



0 dB = 1.120mW/g = 0.98 dB mW/g

Date/Time: 10/24/2012 1:40:40 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_low_chan_amb_temp_23.3C_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

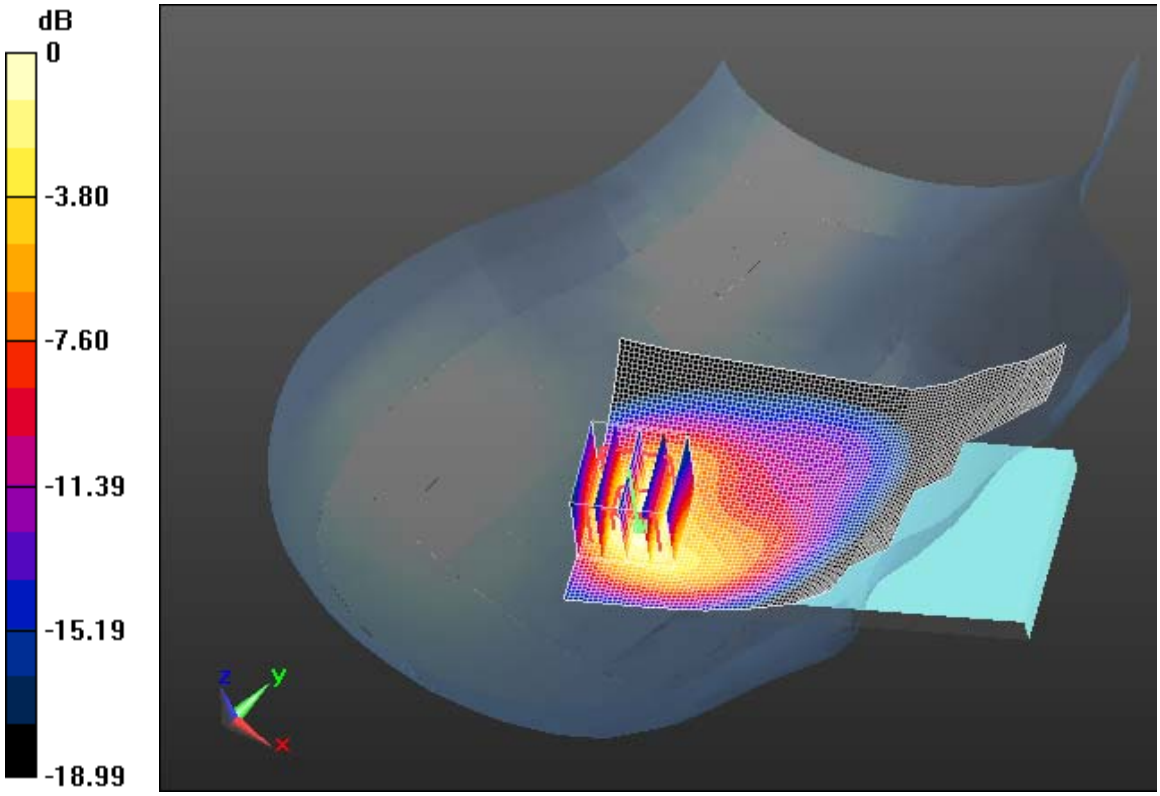
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.303 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.962 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.8980
SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.487 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.256 mW/g



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

Date/Time: 10/24/2012 1:04:55 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_23.2C_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

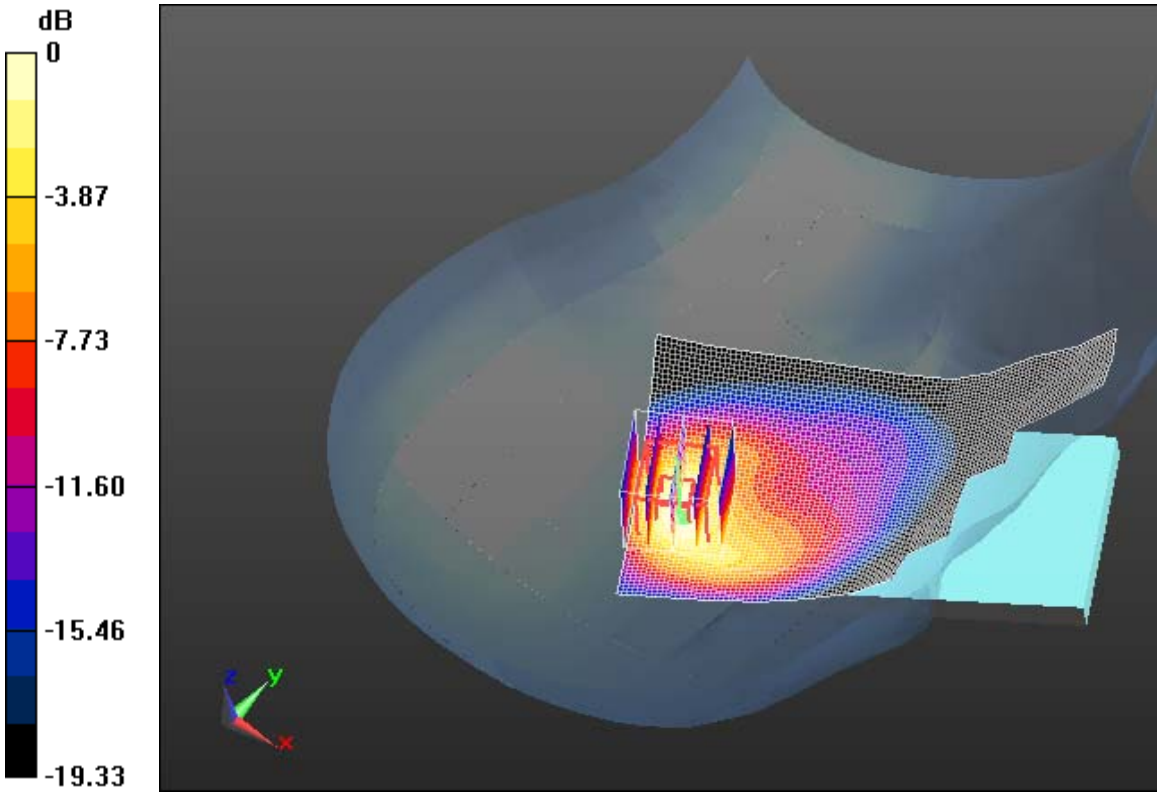
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.163 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.729 V/m; Power Drift = 0.54 dB
Peak SAR (extrapolated) = 1.6870
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.427 mW/g
Maximum value of SAR (measured) = 1.159 mW/g



0 dB = 1.160mW/g = 1.29 dB mW/g

Date/Time: 10/24/2012 1:58:29 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.3C_liq_temp_23.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

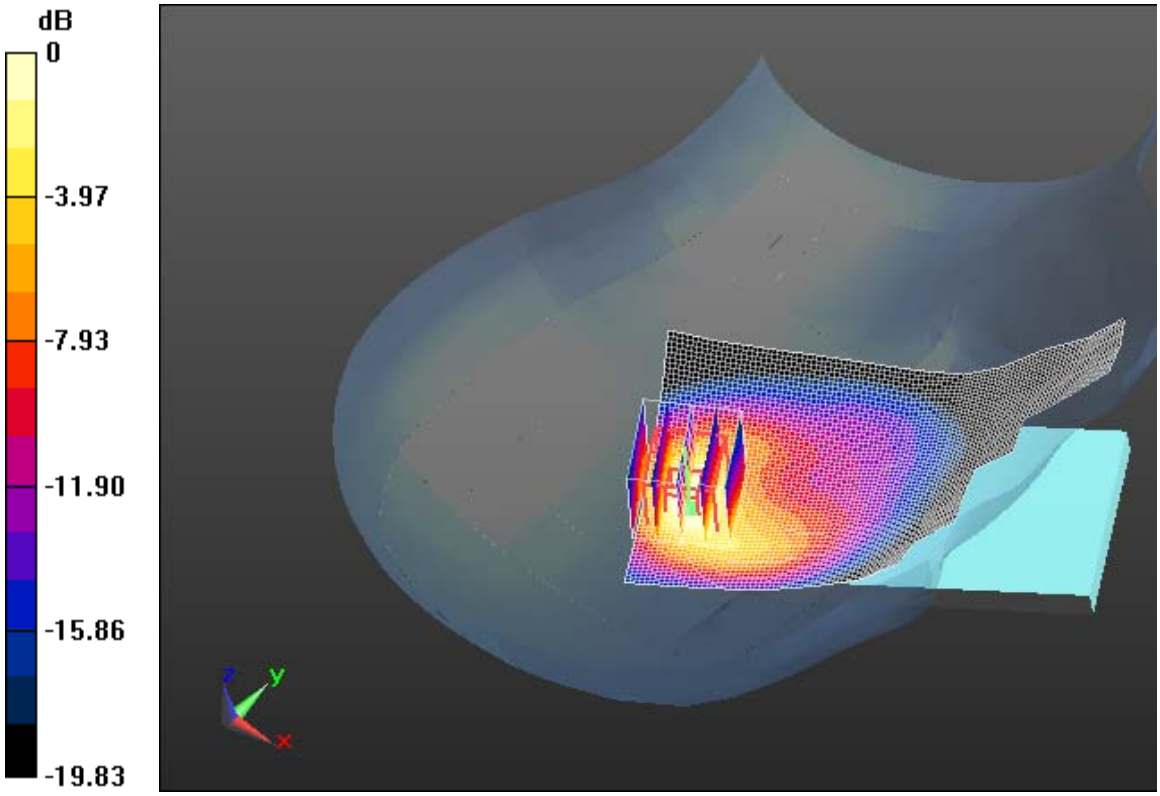
Communication System: EDGE 1900; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.382 mho/m; ε_r = 38.261; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.145 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.151 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.7060
SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.416 mW/g
Maximum value of SAR (measured) = 1.145 mW/g



0 dB = 1.150mW/g = 1.21 dB mW/g

Date/Time: 10/24/2012 9:43:58 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE_1900_low_chan_amb_temp_23.5C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

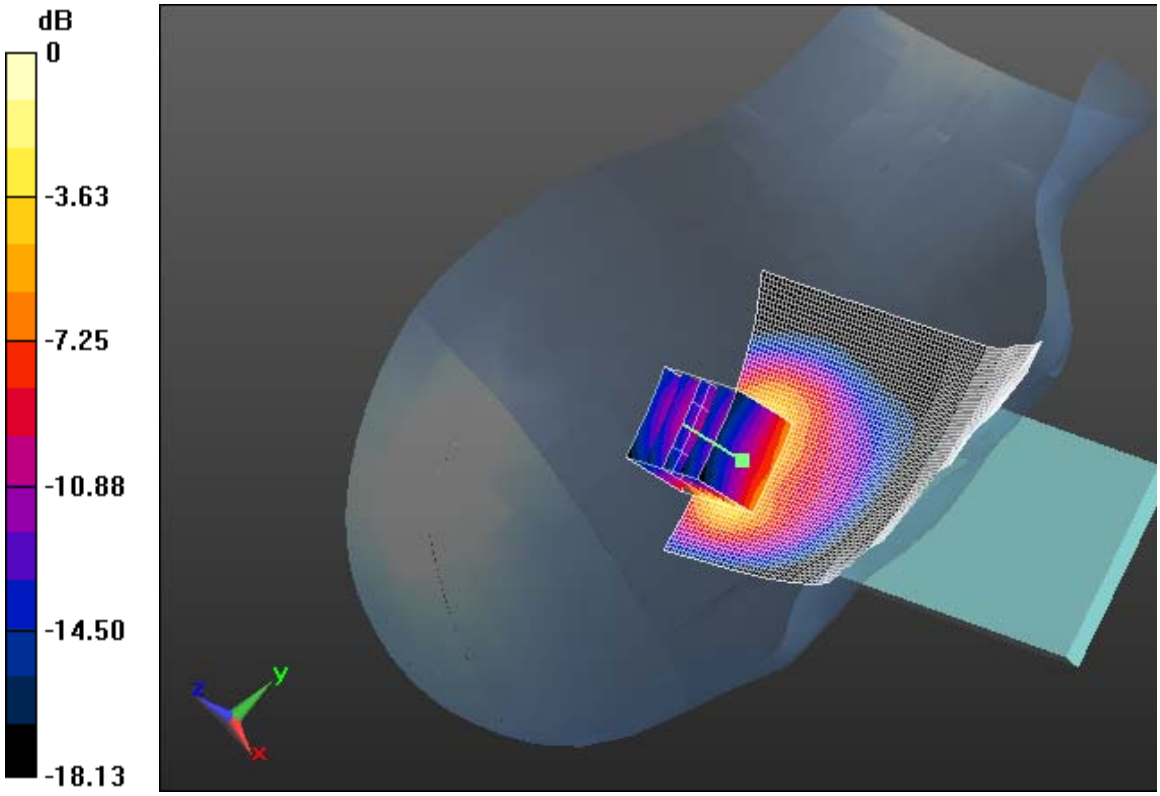
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.946 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.8140
SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.491 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.255 mW/g



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

Date/Time: 10/24/2012 9:28:11 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE_1900_mid_chan_amb_temp_23.5C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

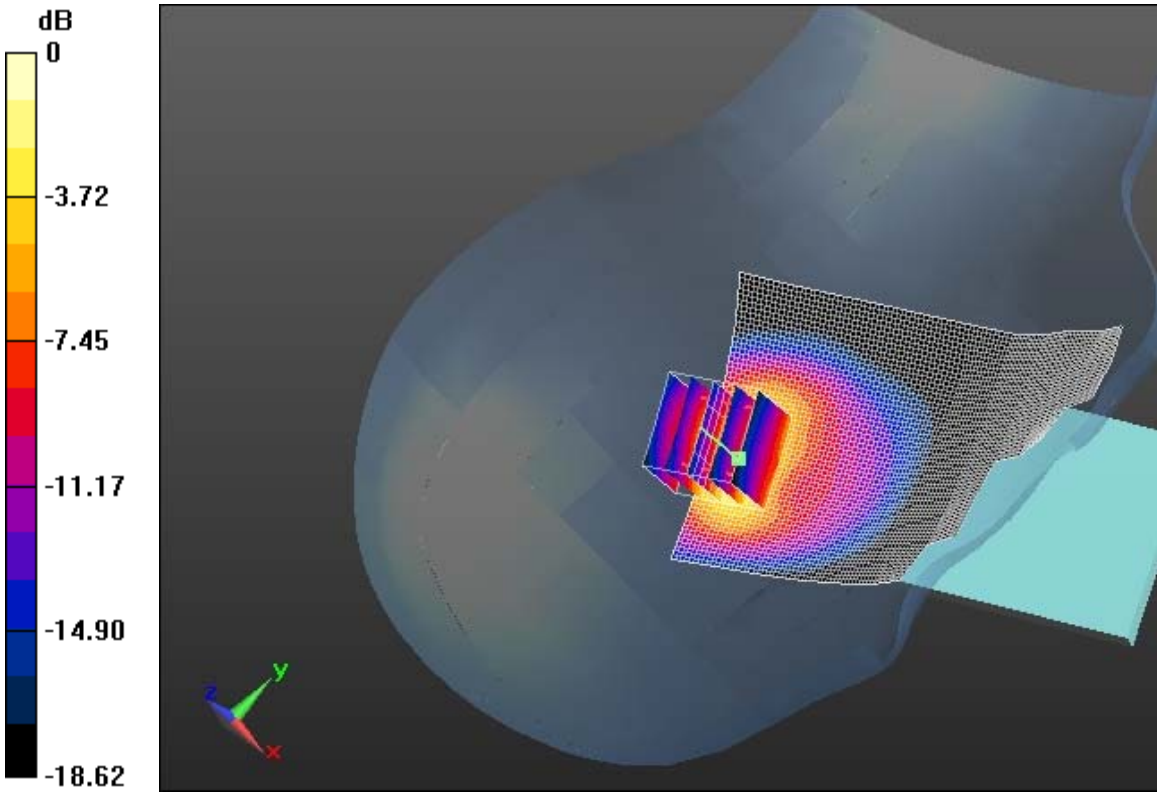
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.021 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.780 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.6110
SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 1.146 mW/g



0 dB = 1.150mW/g = 1.21 dB mW/g

Date/Time: 10/24/2012 10:17:16 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE_1900_high_chan_amb_temp_23.5C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

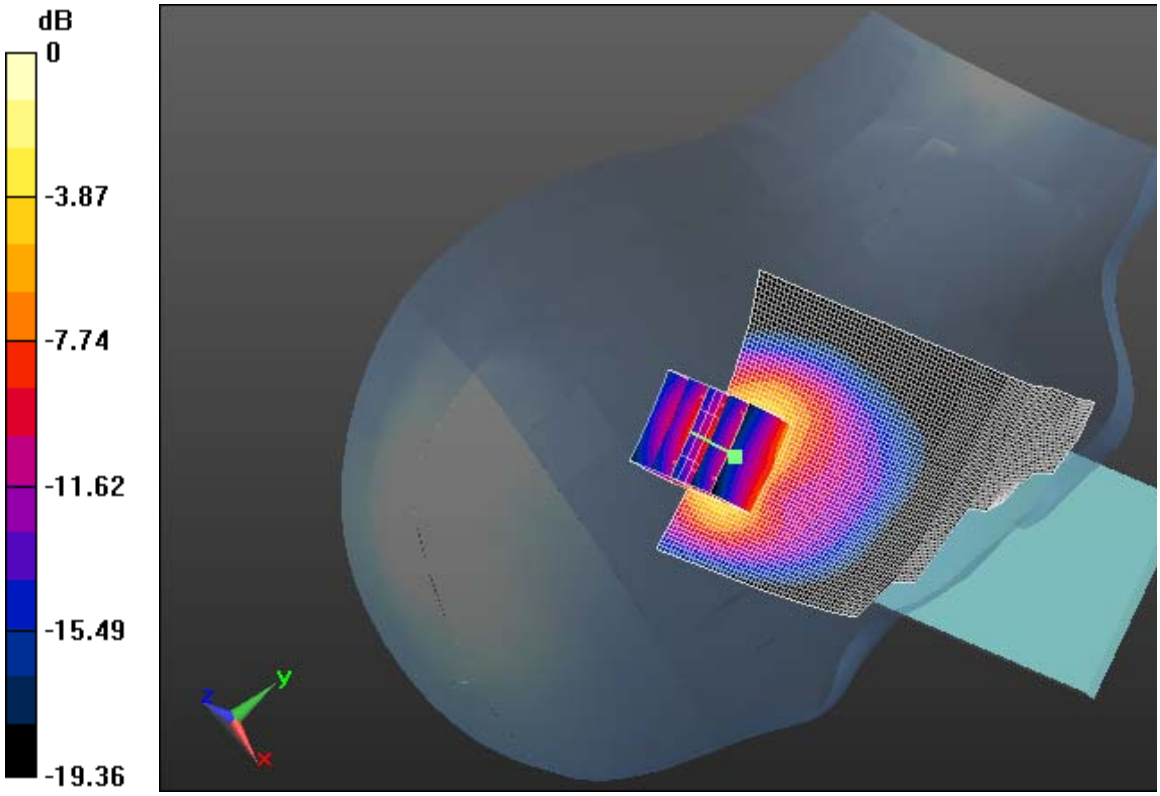
Communication System: EDGE 1900; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.382 mho/m; ε_r = 38.261; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.001 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.206 V/m; Power Drift = 0.41 dB
Peak SAR (extrapolated) = 1.6900
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.434 mW/g
Maximum value of SAR (measured) = 1.176 mW/g



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

Date/Time: 10/24/2012 9:09:08 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM1900_low_chan_amb_temp_23.6C_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: GSM 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

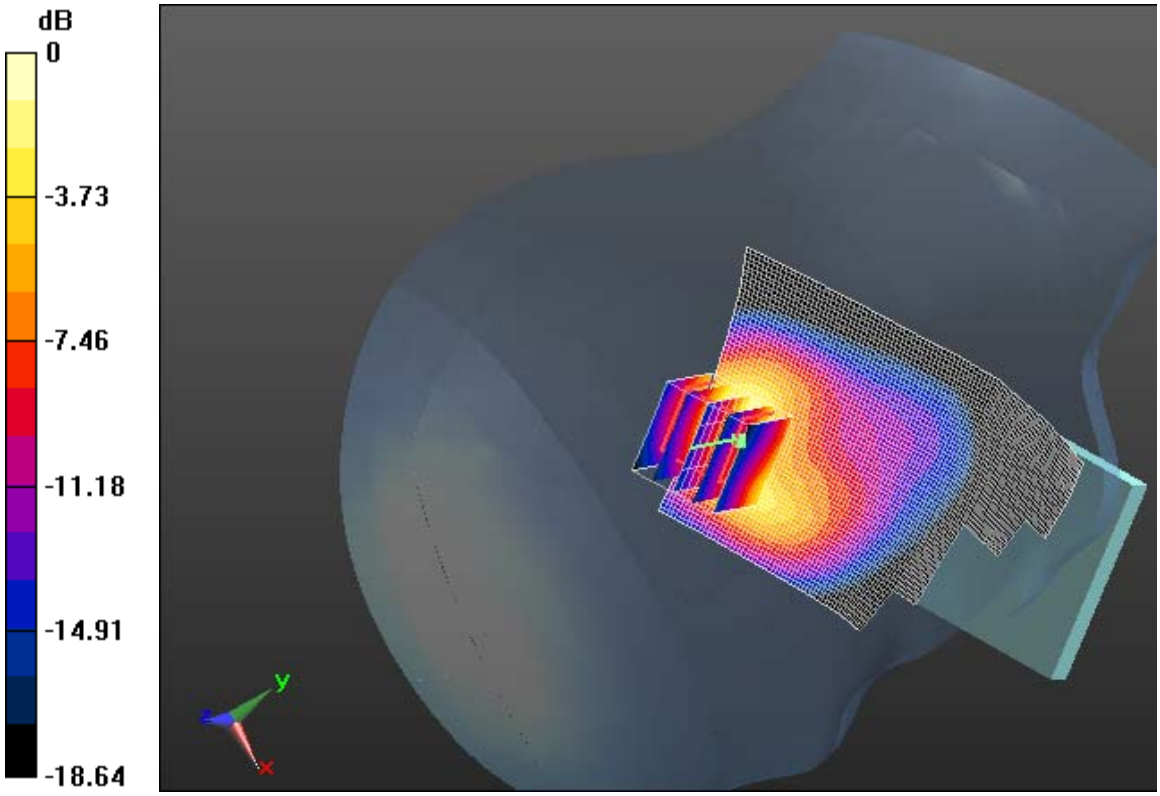
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.453 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.951 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.1810
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.559 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.431 mW/g



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

Date/Time: 10/24/2012 12:54:31 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_GSM_1900_low_chan_amb_temp_23.5C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: GSM 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.332 mho/m; ε_r = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

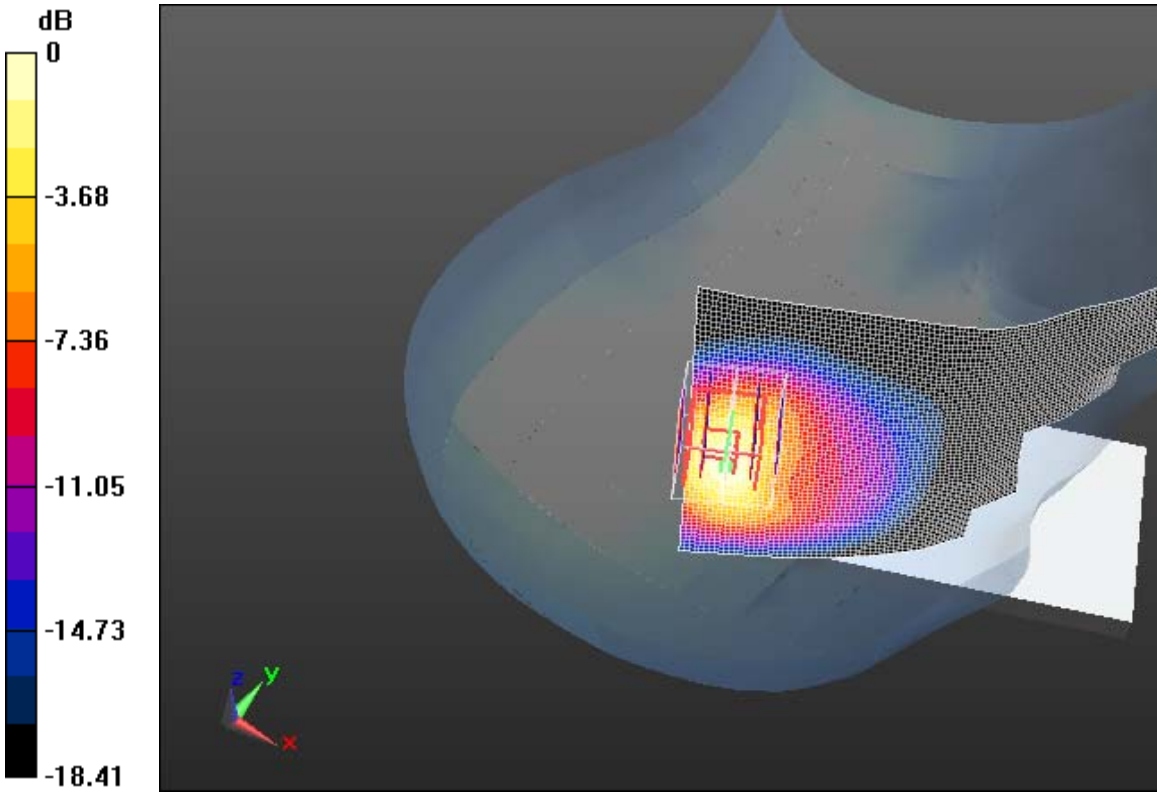
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.158 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.7770
SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.483 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.260 mW/g



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

Date/Time: 10/24/2012 11:52:17 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_3slots_low_chan_amb_temp_23.6C_liq_temp_23.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

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 = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

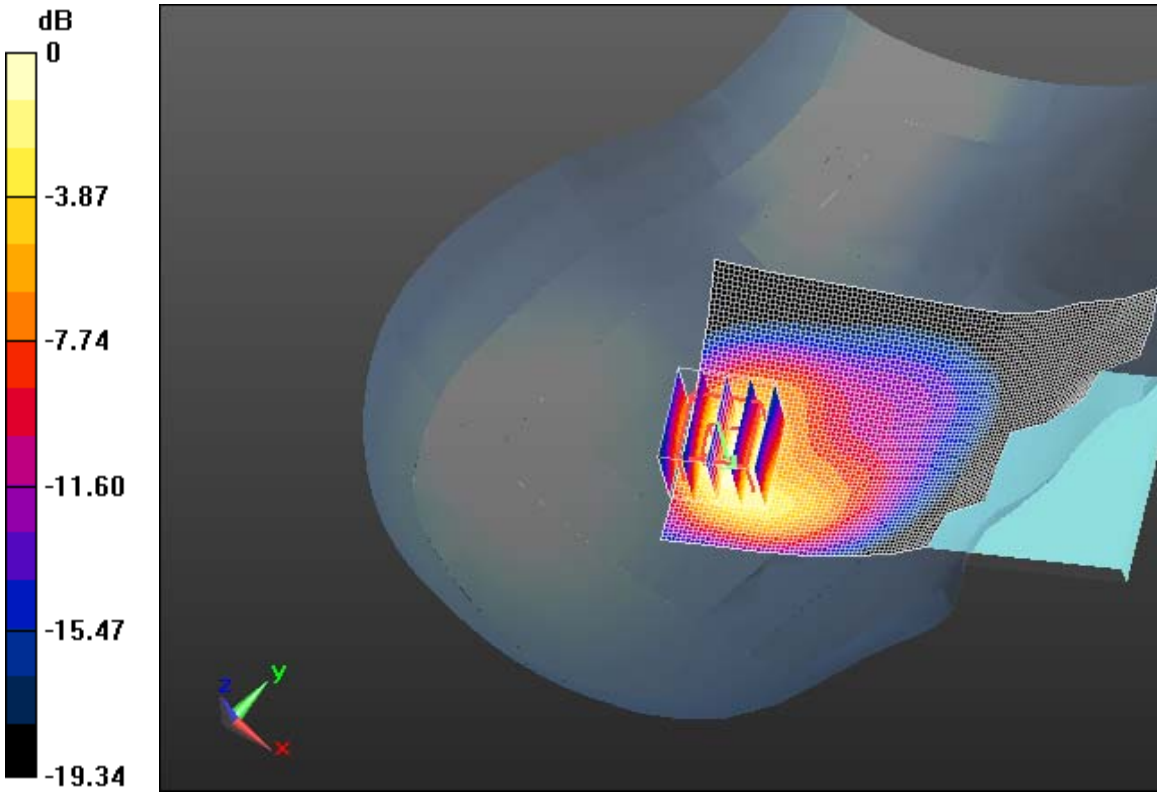
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.346 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.368 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 1.9710
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.499 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.323 mW/g



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

Date/Time: 10/24/2012 12:26:51 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_4slots_low_chan_amb_temp_23.6C_liq_temp_23.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

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 = 38.461; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

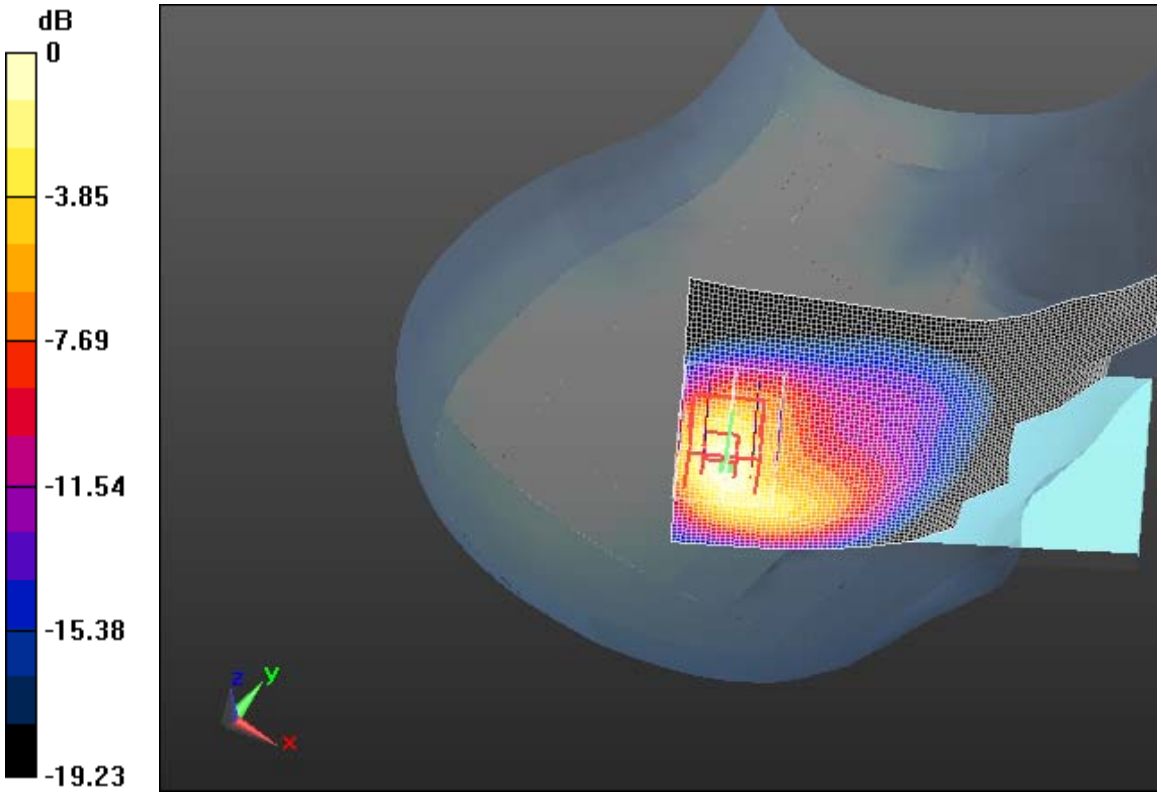
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.279 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.352 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.8220
SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.463 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.241 mW/g



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

Date/Time: 10/24/2012 10:39:01 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_23.7C_liq_temp_22.7 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

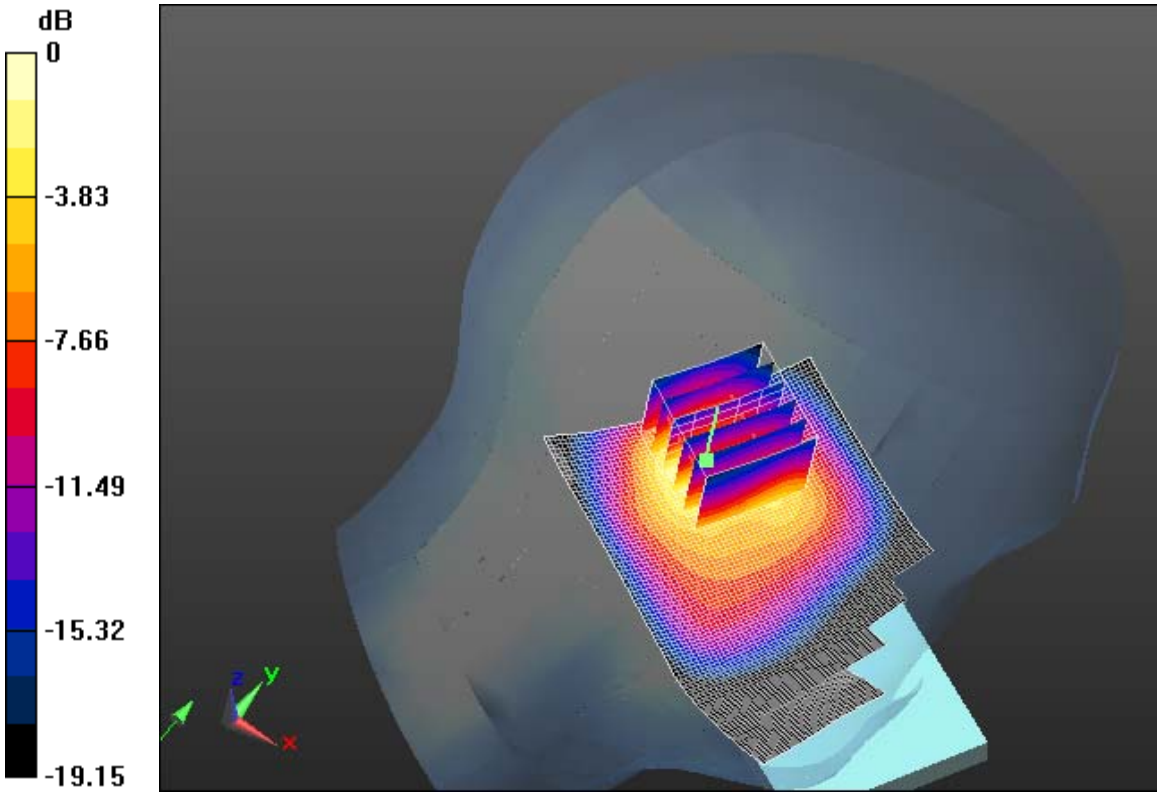
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.861 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.358 V/m; Power Drift = 0.36 dB
Peak SAR (extrapolated) = 1.2580
SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 0.896 mW/g



0 dB = 0.900mW/g = -0.92 dB mW/g

Date/Time: 10/24/2012 10:59:31 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.5C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

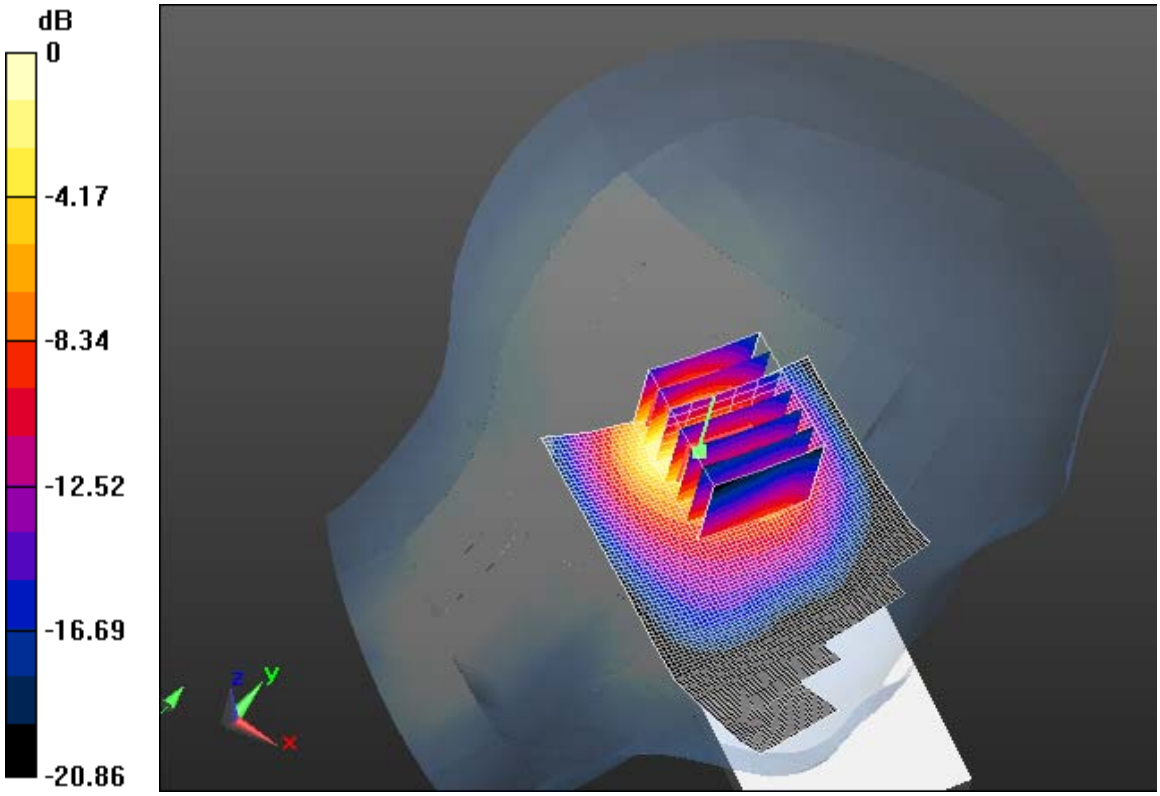
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.986 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.884 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.3200
SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.932 mW/g



0 dB = 0.930mW/g = -0.63 dB mW/g

Date/Time: 10/24/2012 11:26:12 AM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_mid_chan_amb_temp_23.9C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

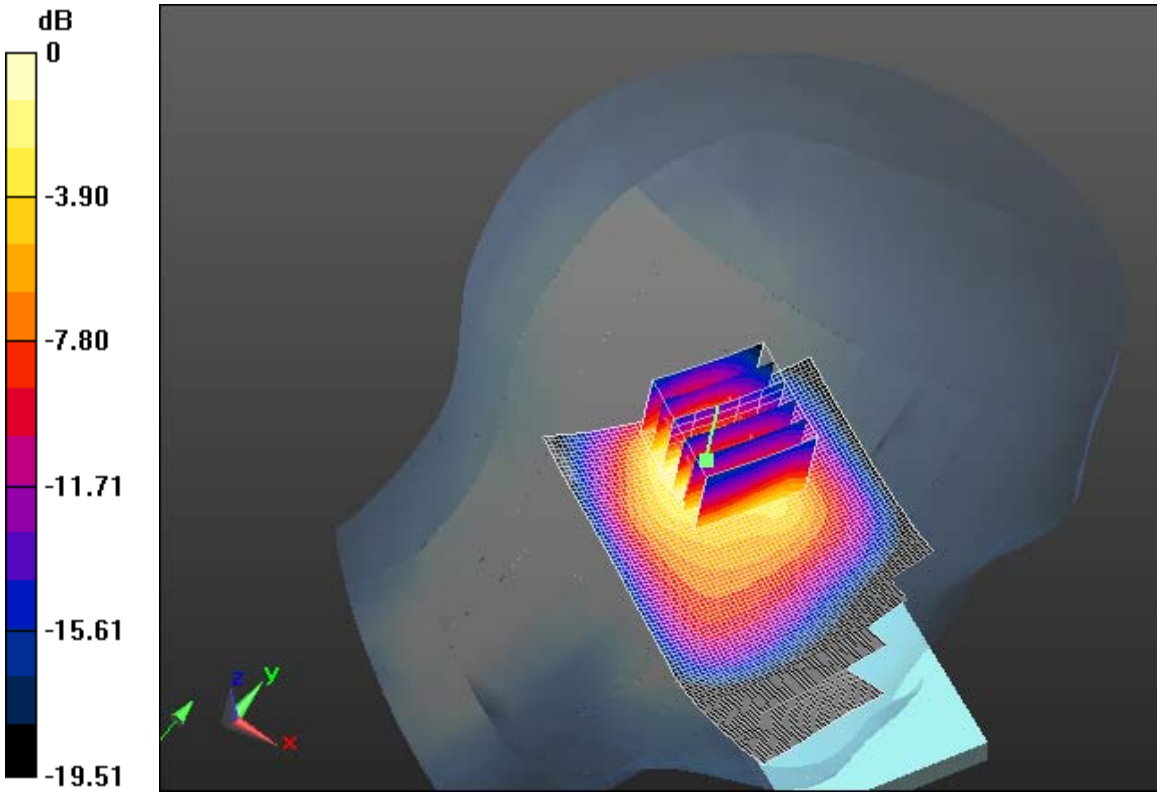
Communication System: GSM 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.790 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.785 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.1260
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 0.790 mW/g



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

Date/Time: 10/24/2012 2:04:18 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_GSM1900_mid_chan_amb_temp_23.6C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

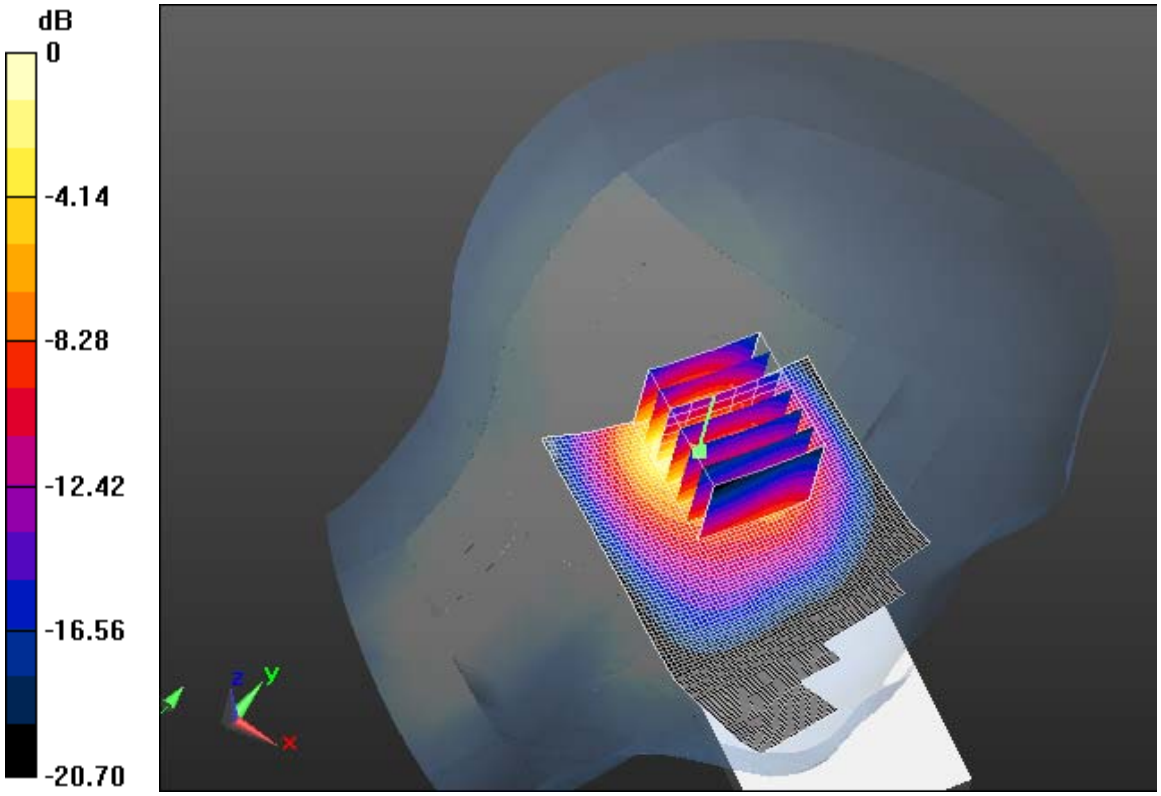
Communication System: GSM 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.921 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.808 V/m; Power Drift = 0.23 dB
Peak SAR (extrapolated) = 1.2350
SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 0.881 mW/g



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

Date/Time: 10/2/2012 3:37:41 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_mid_chan_amb_temp_23.4C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 38.616; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

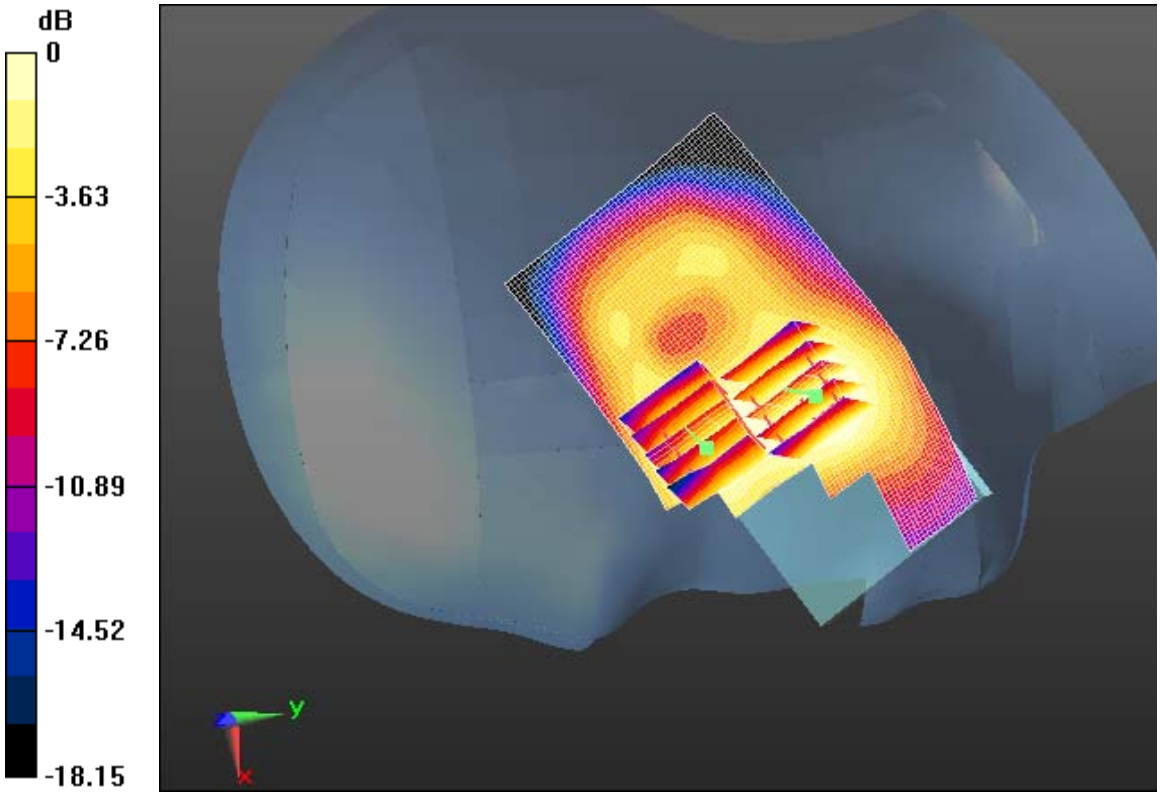
DASY Configuration:

- 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) = 0.725 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.530 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.8600
SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.667 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.530 V/m; Power Drift = 0.0072 dB
Peak SAR (extrapolated) = 0.6430
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.512 mW/g



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

Date/Time: 10/2/2012 4:03:44 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA_1900_mid_chan_amb_temp_23.5C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

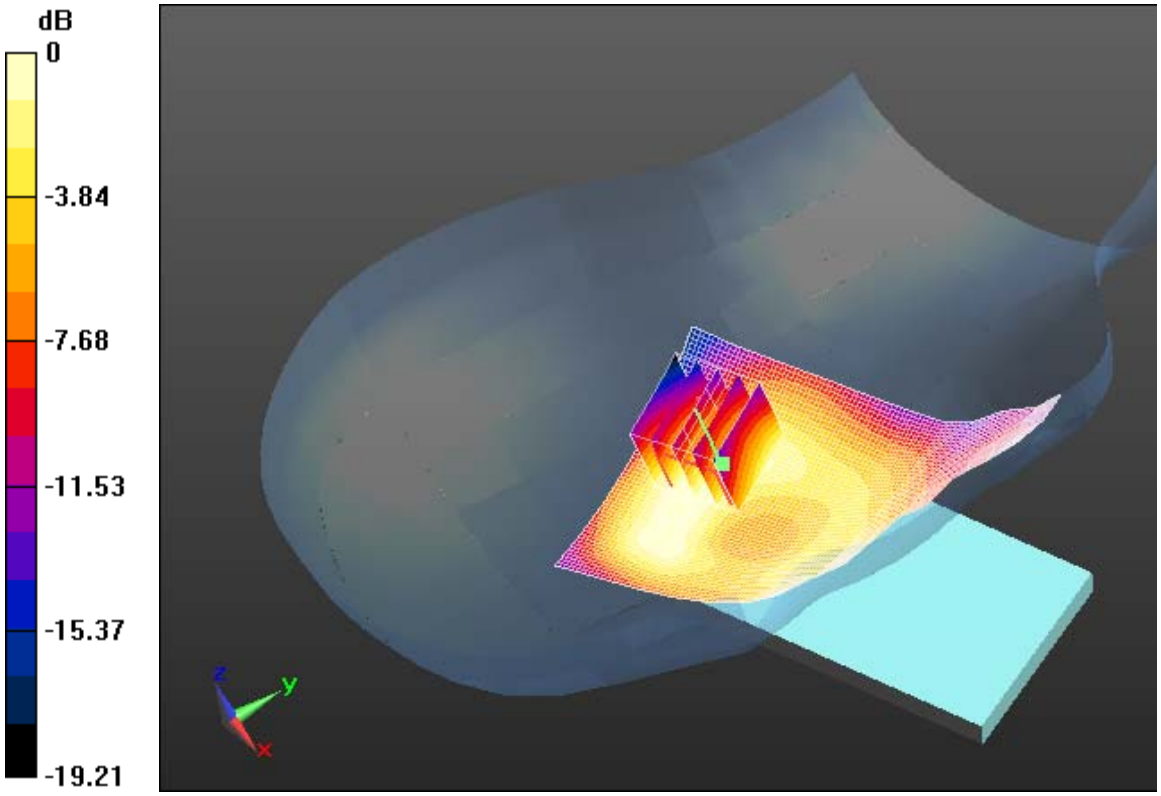
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 38.616; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.285 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.780 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.3480
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.268 mW/g



0 dB = 0.270mW/g = -11.37 dB mW/g

Date/Time: 10/2/2012 1:41:09 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_low_chan_amb_temp_23.8C_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 1900; Frequency: 1851.25 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.349 mho/m; ε_r = 38.74; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

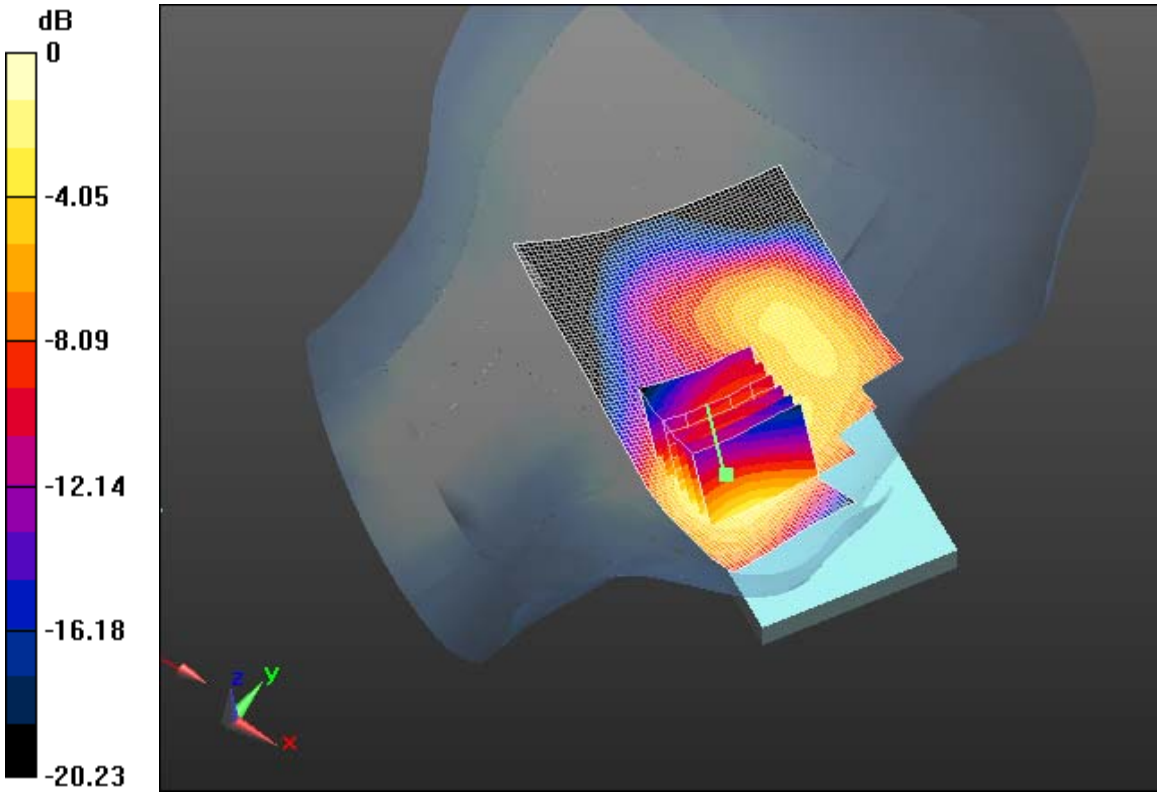
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.888 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.860 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.1580
SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.455 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.890 mW/g



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

Date/Time: 10/2/2012 1:06:58 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.8C_liq_temp_22.6 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

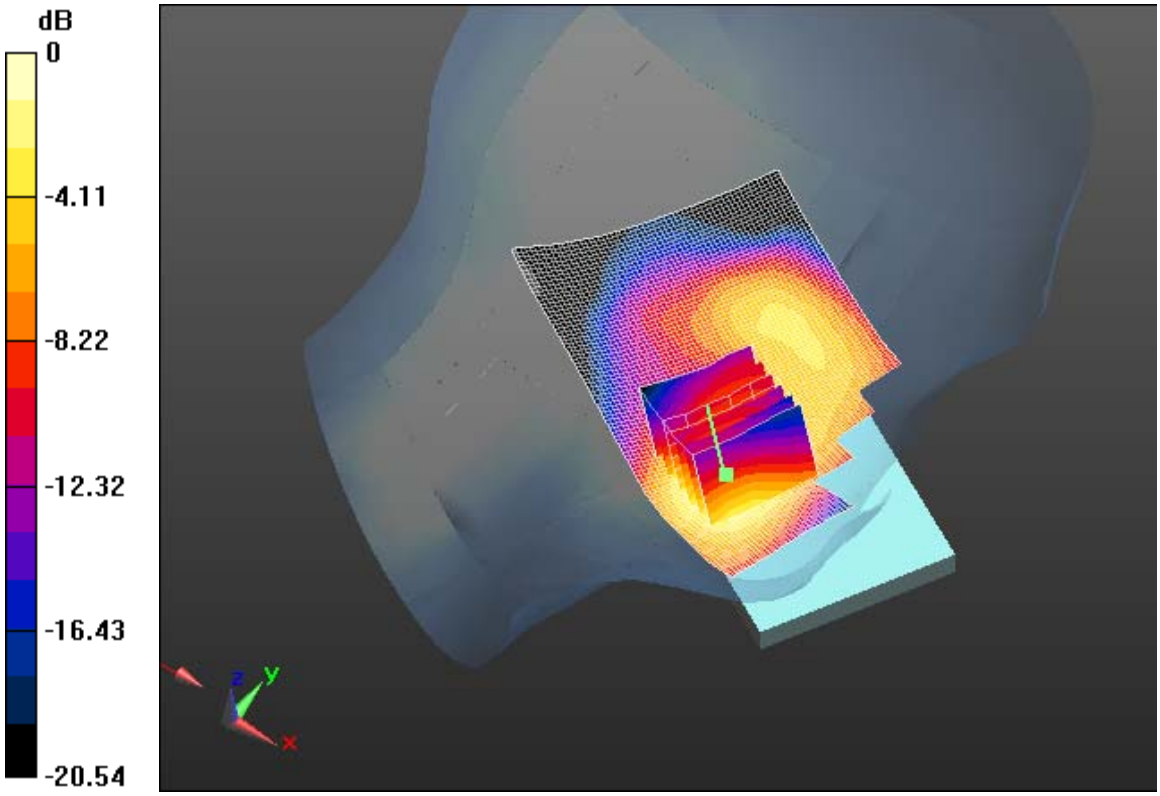
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 38.616; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.102 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.435 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.4590
SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.563 mW/g
Maximum value of SAR (measured) = 1.106 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

Date/Time: 10/2/2012 2:00:56 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_high_chan_amb_temp_23.8C_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: CDMA 1900; Frequency: 1908.5 MHz
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.41 mho/m; ε_r = 38.456; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

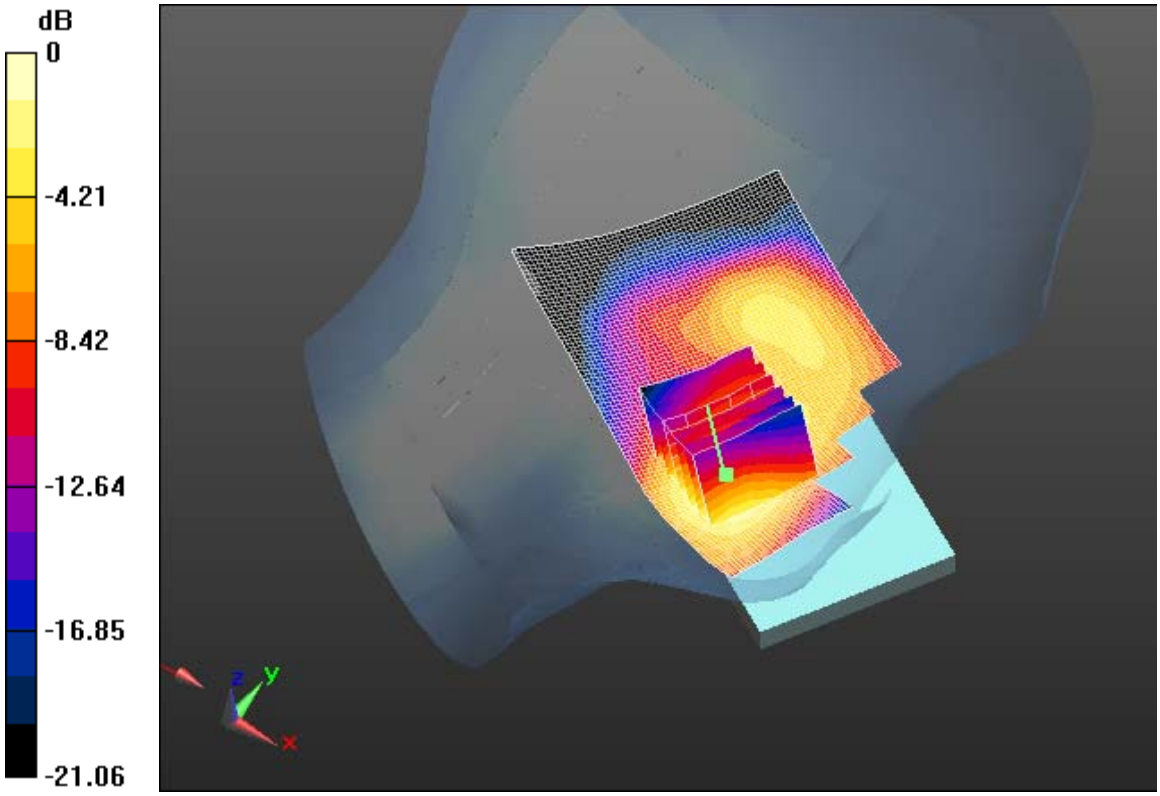
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.992 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.068 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.3350
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.499 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.993 mW/g



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

Date/Time: 10/2/2012 2:50:51 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.5C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

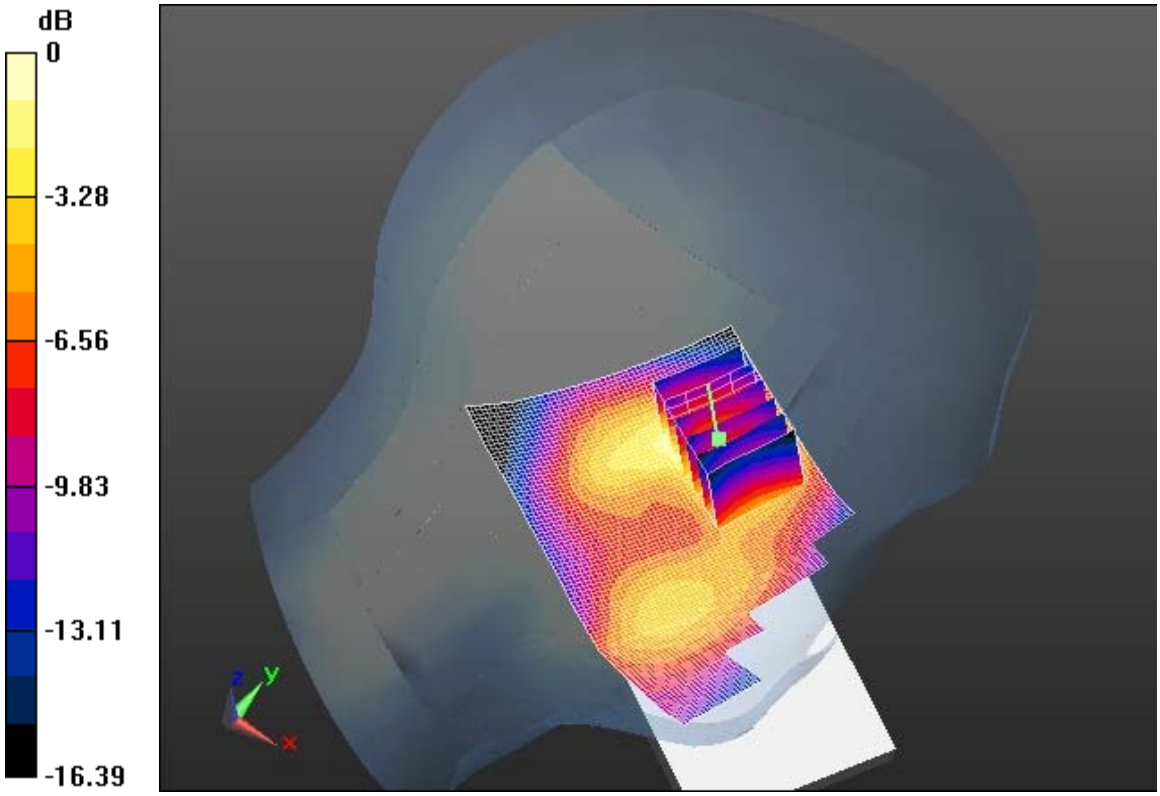
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.38 mho/m; ε_r = 38.616; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.450 mW/g

Configuration/Tilt position -/Zoom Scan (5x5x7) (5x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.015 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.5280
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.421 mW/g



0 dB = 0.420mW/g = -7.54 dB mW/g

Date/Time: 11/1/2012 1:07:27 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_mid_chan_amb_temp_24.0C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.373 mho/m; ε_r = 39.835; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

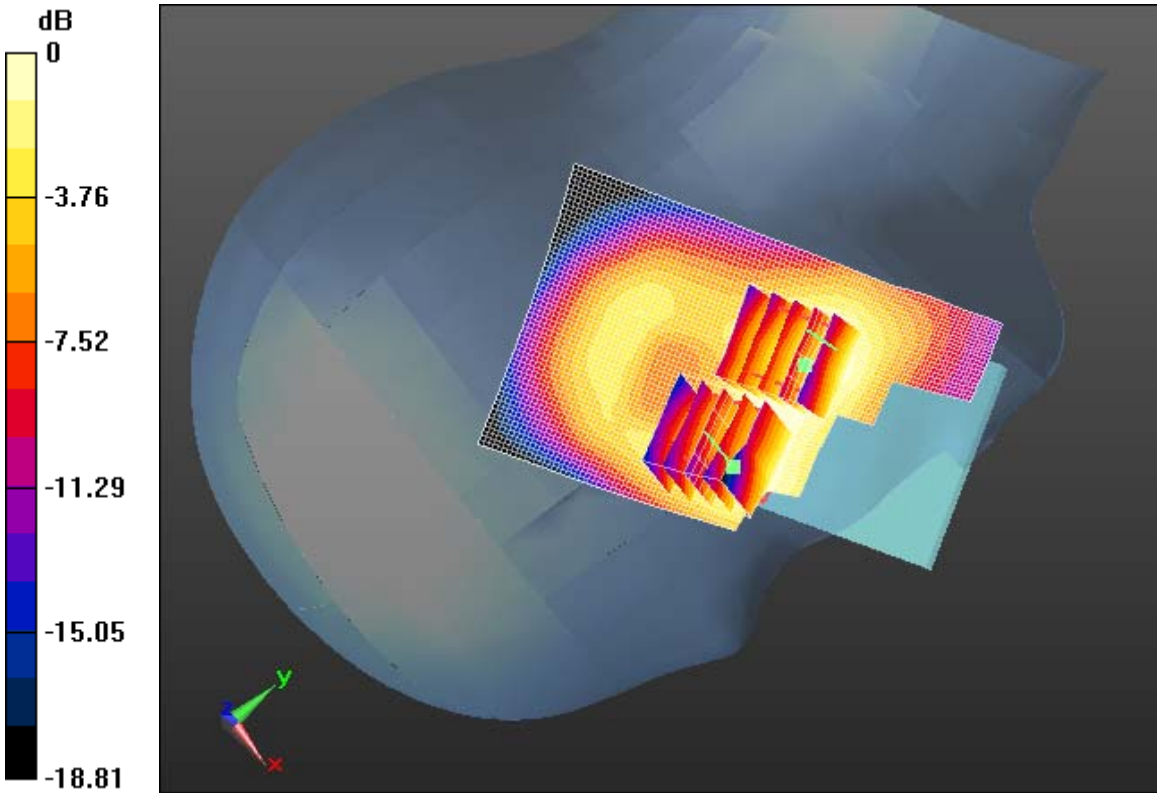
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.733 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.759 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.8850
SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 0.686 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.759 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.7900

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.619 mW/g



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

Date/Time: 10/24/2012 3:17:21 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_low_chan_amb_temp_23.9C_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 1900; Frequency: 1851.25 MHz
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.333 mho/m; ε_r = 38.457; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

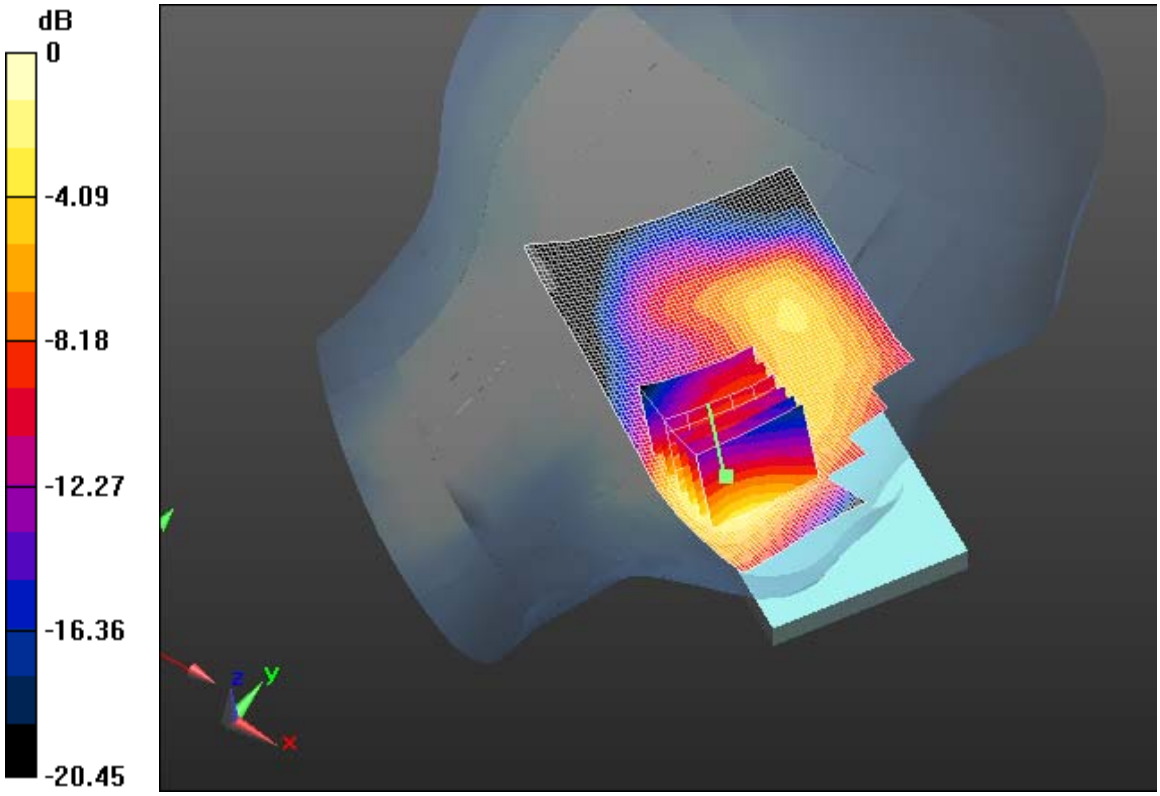
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.206 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.562 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.4710
SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.571 mW/g

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



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

Date/Time: 10/24/2012 2:50:54 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.9C_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

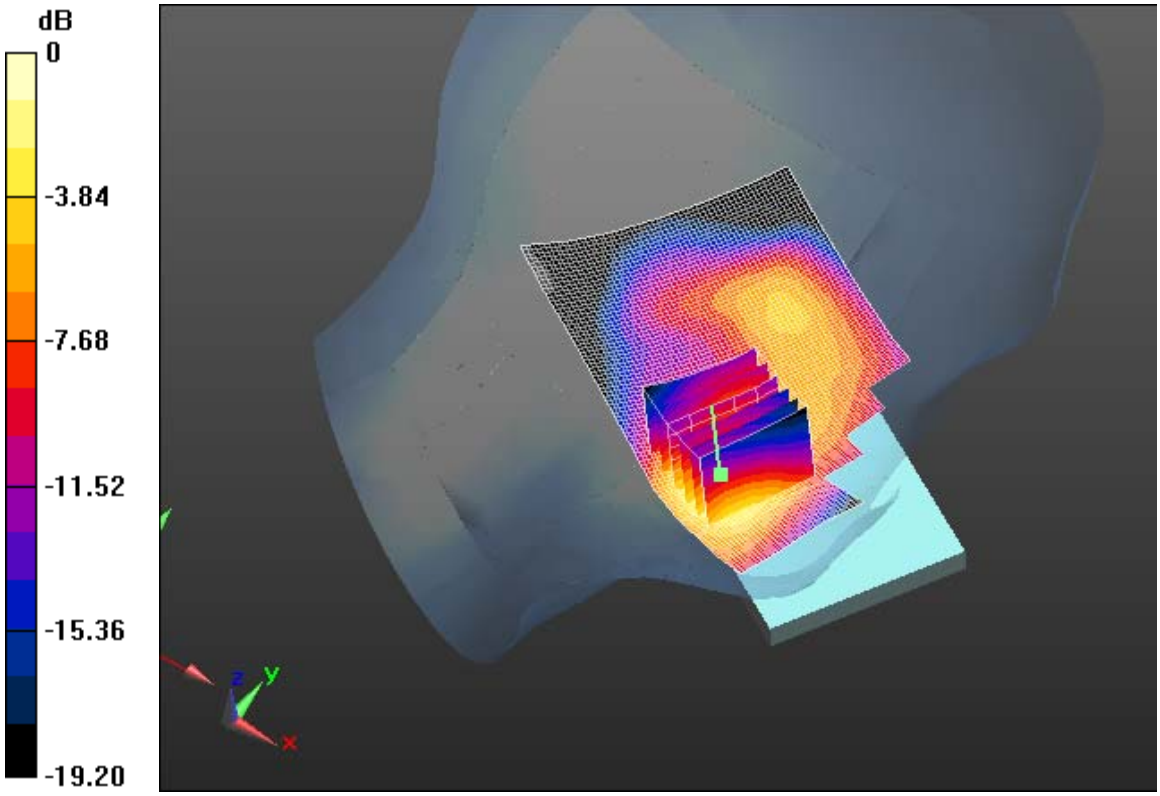
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.356 mho/m; ε_r = 38.348; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.458 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.385 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.9230
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.693 mW/g
Maximum value of SAR (measured) = 1.451 mW/g



0 dB = 1.450mW/g = 3.23 dB mW/g

Date/Time: 10/24/2012 3:39:04 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_high_chan_amb_temp_24.0C_liq_temp_22.8 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 1900; Frequency: 1908.5 MHz
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.382 mho/m; ε_r = 38.262; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

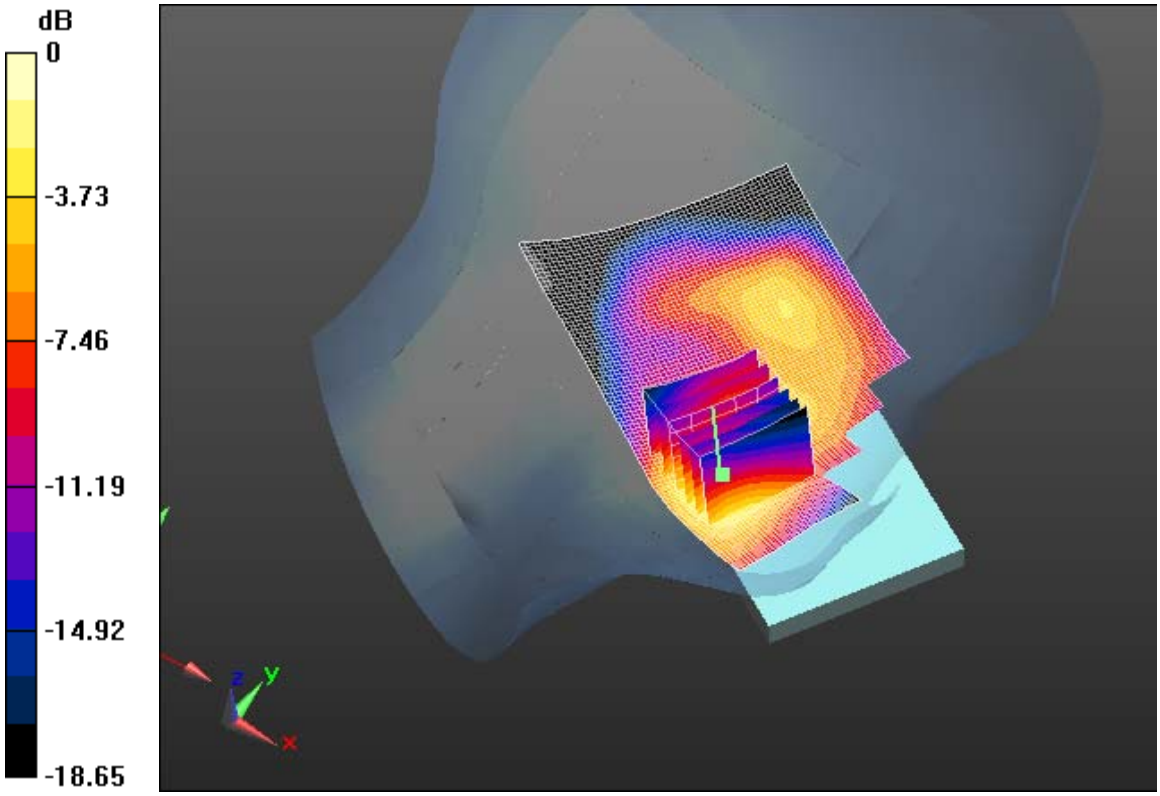
- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.086 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.106 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.4030
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.514 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.062 mW/g



0 dB = 1.060mW/g = 0.51 dB mW/g

Date/Time: 8/24/2012 12:14:25 PM

Test Laboratory: RIM Testing Services

RightHandSide__802.11b_high_chan_amb_temp_23.3C_liq_temp_22.1 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.785 mho/m; ε_r = 37.825; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

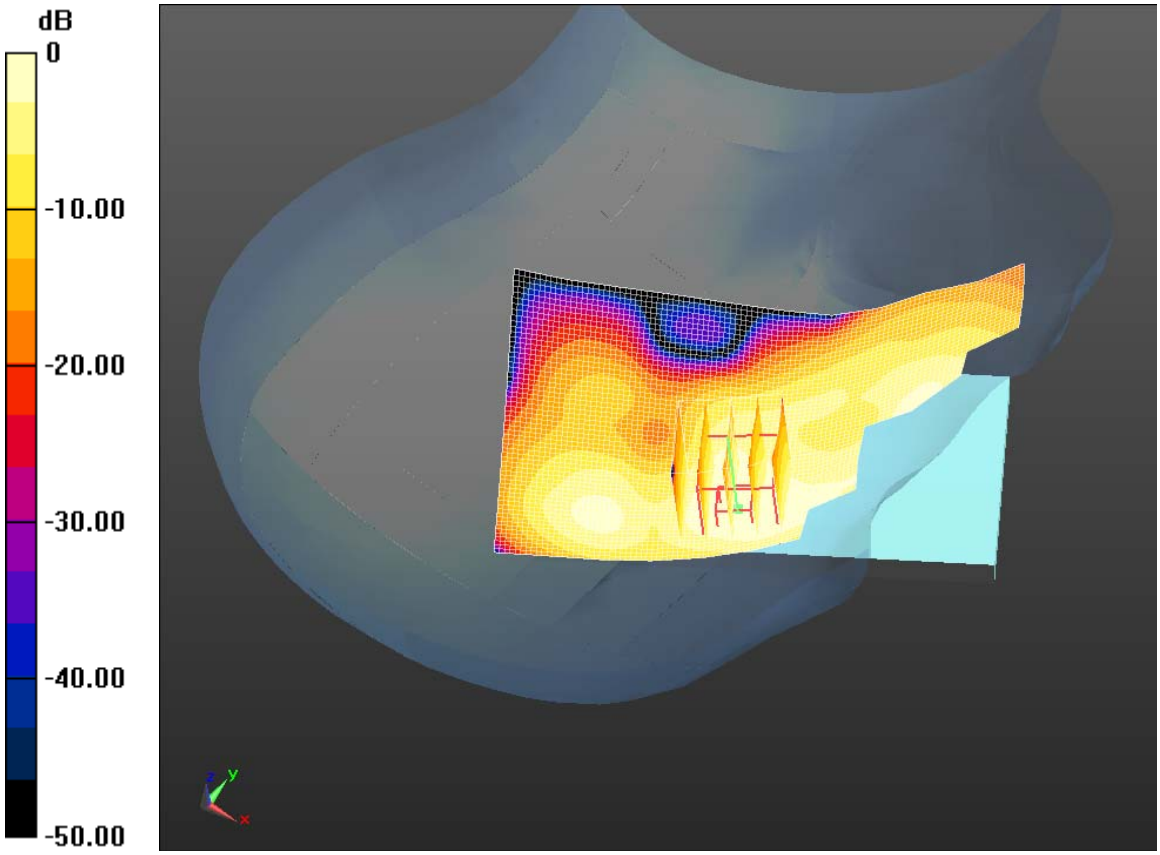
- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.108 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.309 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.1480
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.047 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.101 mW/g



0 dB = 0.100mW/g = -20.00 dB mW/g

Date/Time: 8/24/2012 12:33:58 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_high_chan_amb_temp_23.3C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.785 mho/m; ε_r = 37.825; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

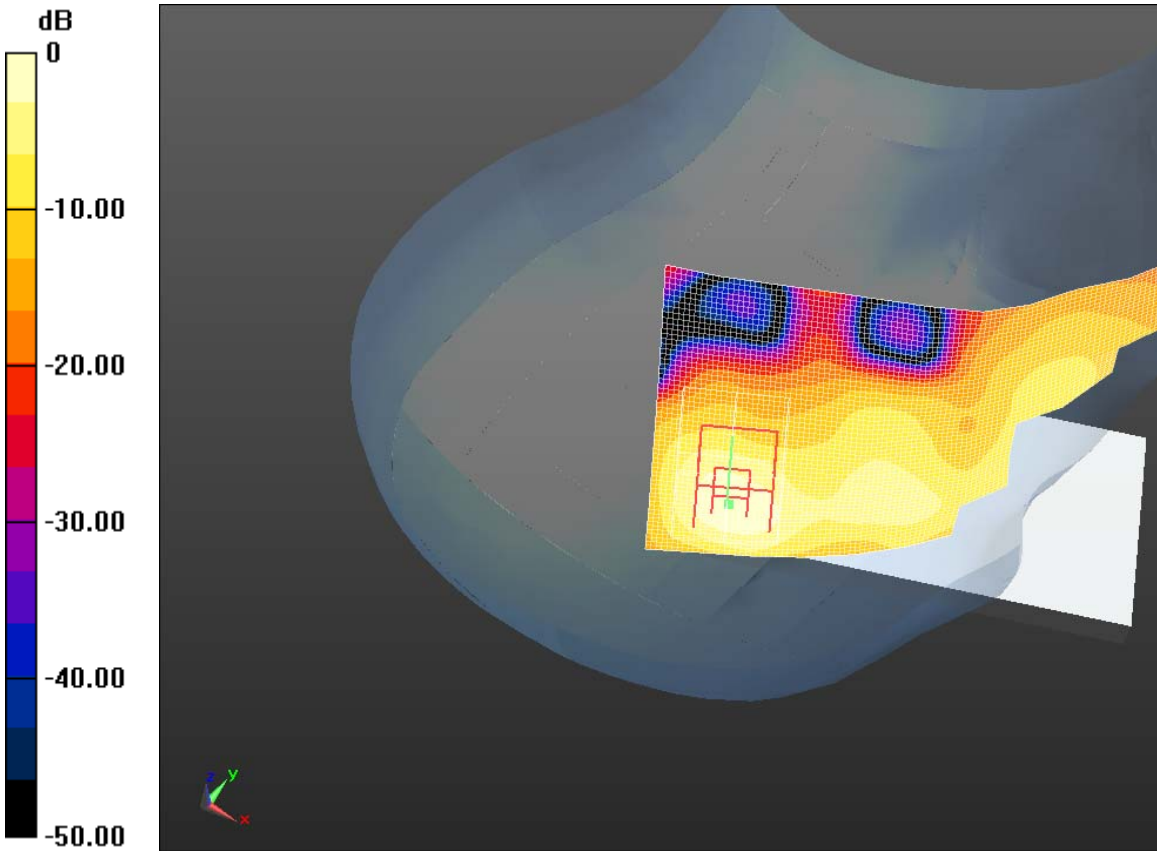
- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.091 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.611 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 0.1490
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.035 mW/g

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



0 dB = 0.100mW/g = -20.00 dB mW/g

Date/Time: 8/24/2012 11:10:18 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_23.2C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.785 mho/m; ε_r = 37.825; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

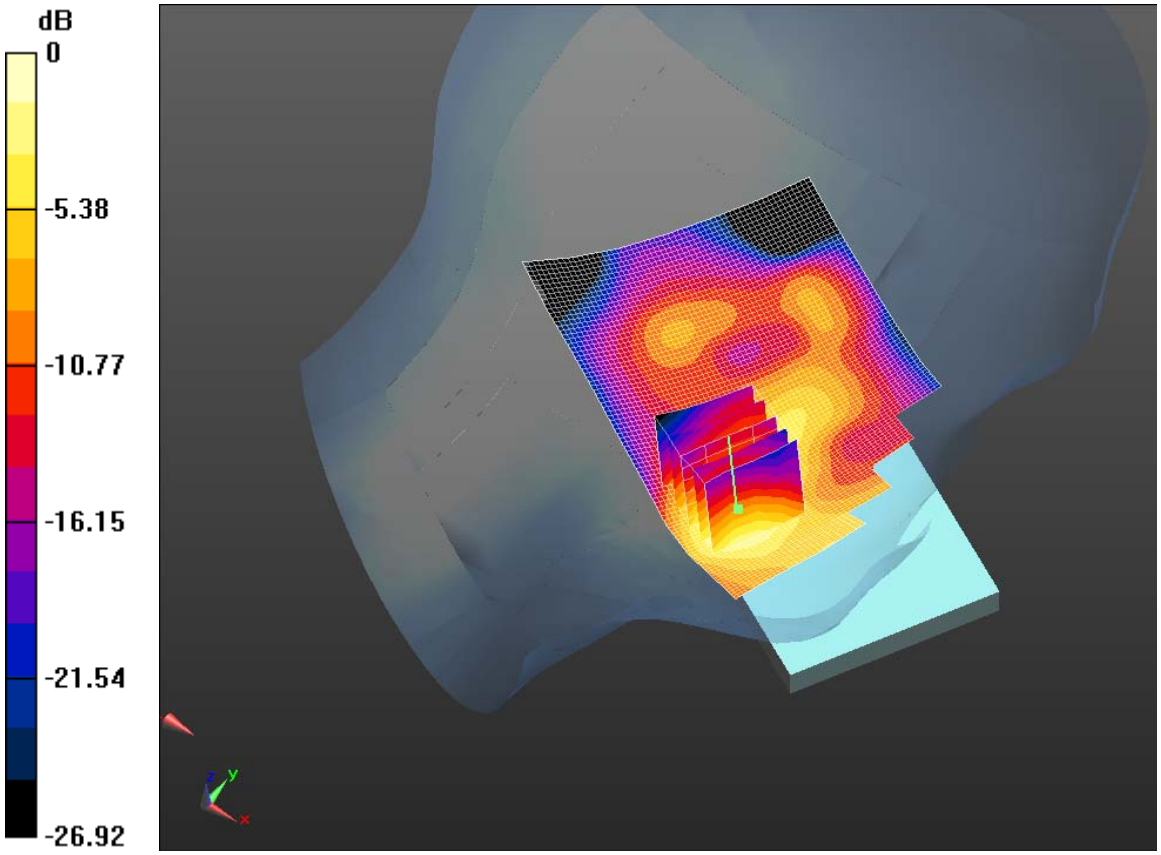
- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.267 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.434 V/m; Power Drift = 0.24 dB
Peak SAR (extrapolated) = 0.3390
SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.098 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.233 mW/g



0 dB = 0.230mW/g = -12.77 dB mW/g

Date/Time: 8/24/2012 11:34:09 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_high_chan_amb_temp_23.2C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.785 mho/m; ε_r = 37.825; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

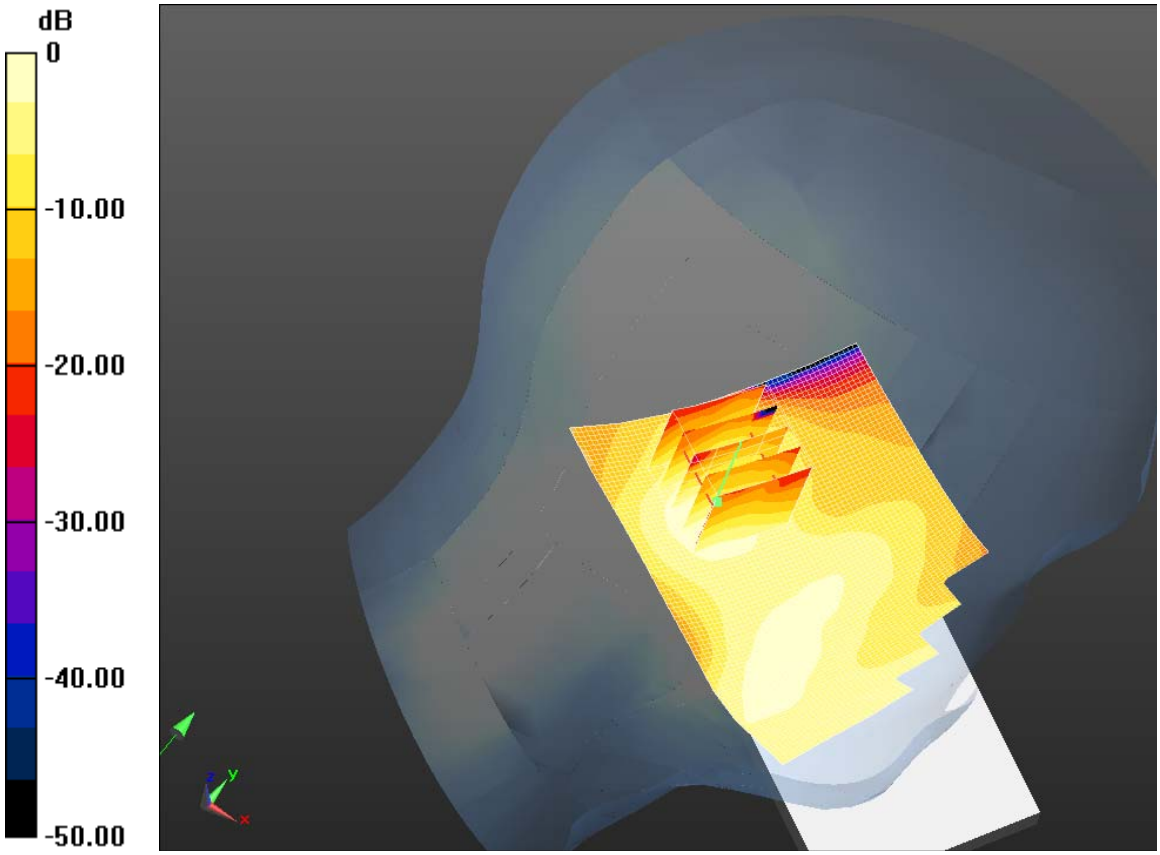
- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.055 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.120 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0790
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.022 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.050mW/g = -26.02 dB mW/g

Date/Time: 8/21/2012 2:18:02 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_low_band_chan_36_amb_temp_23.5C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5180 MHz
Medium parameters used: f = 5180 MHz; σ = 4.752 mho/m; ε_r = 34.562; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

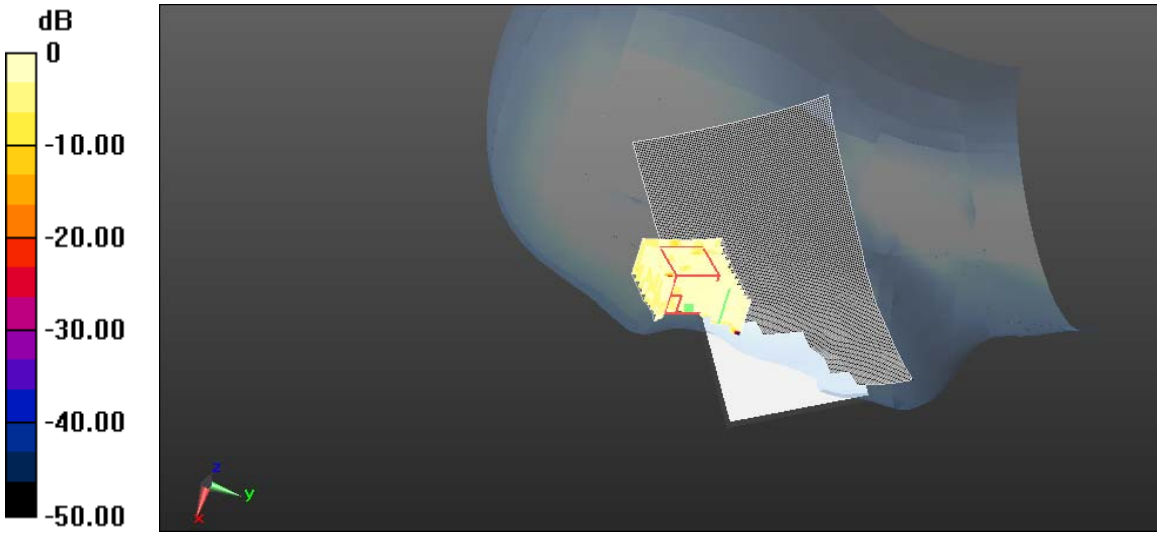
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.89, 4.89, 4.89); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.013 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (11x11x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.254 V/m; Power Drift = 1.21 dB
Peak SAR (extrapolated) = 0.0350
SAR(1 g) = 0.00162 mW/g; SAR(10 g) = 0.000296 mW/g

Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.010mW/g = -40.00 dB mW/g

Date/Time: 8/21/2012 3:08:55 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_mid_band_chan_52_amb_temp_23.6C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5260 MHz
Medium parameters used: f = 5260 MHz; σ = 4.84 mho/m; ε_r = 34.413; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

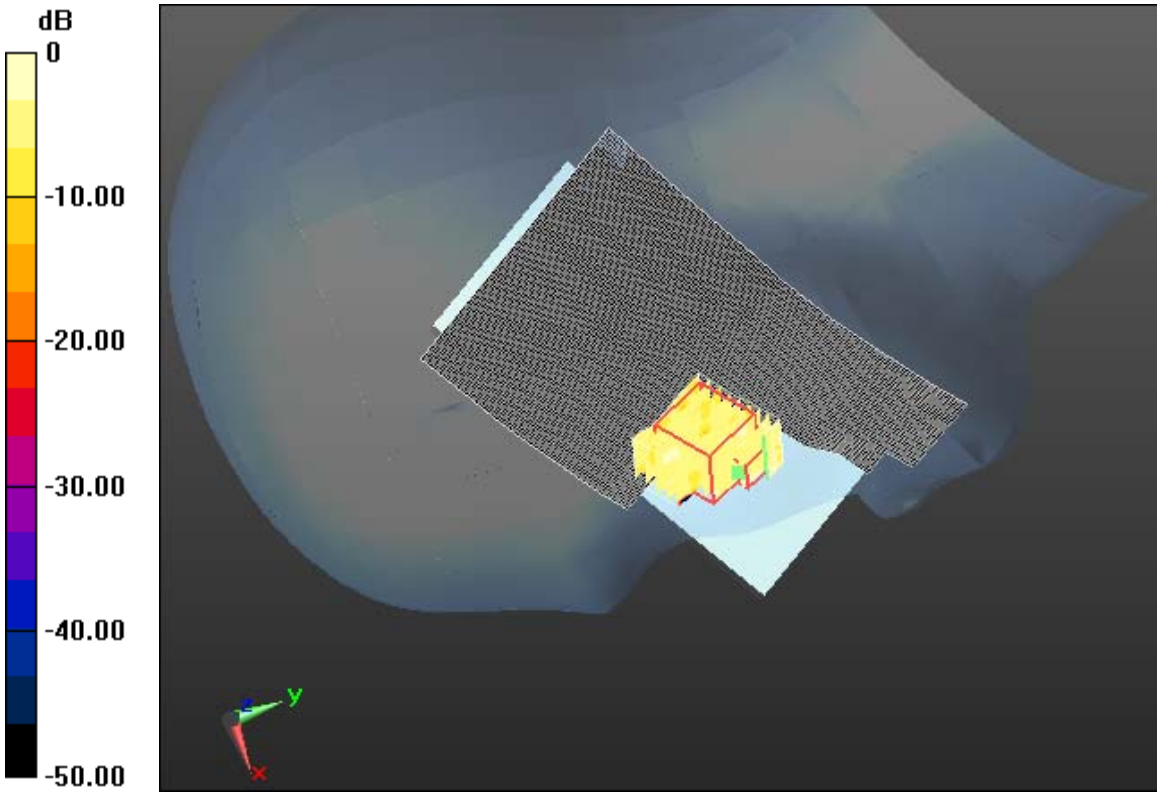
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.89, 4.89, 4.89); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.016 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (9x9x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.196 V/m; Power Drift = 0.44 dB
Peak SAR (extrapolated) = 0.2950
SAR(1 g) = 0.00425 mW/g; SAR(10 g) = 0.000266 mW/g

Maximum value of SAR (measured) = 0.017 mW/g



0 dB = 0.020mW/g = -33.98 dB mW/g

Date/Time: 8/21/2012 8:20:18 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_l_chan_104_amb_temp_23.6C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5520 MHz
Medium parameters used: f = 5520 MHz; σ = 5.039 mho/m; ε_r = 34.166; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

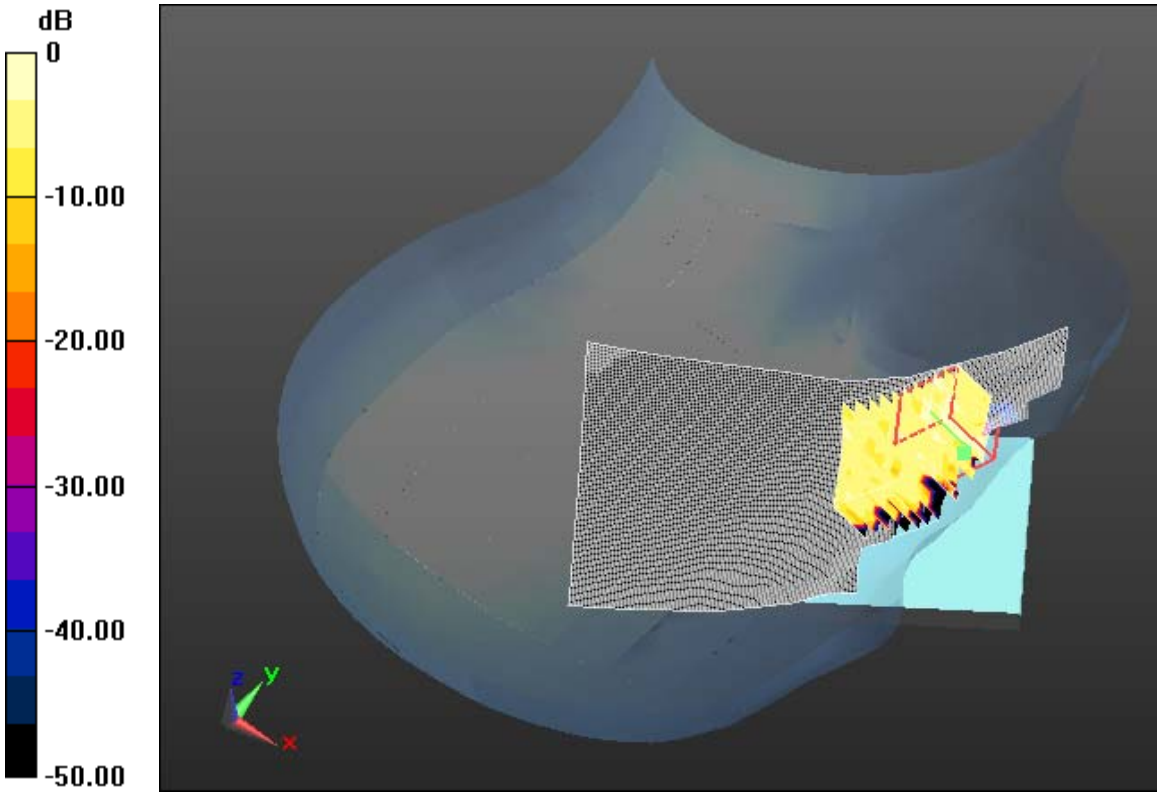
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.38, 4.38, 4.38); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (12x11x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.308 V/m; Power Drift = 1.95 dB
Peak SAR (extrapolated) = 0.0830
SAR(1 g) = 0.0081 mW/g; SAR(10 g) = 0.0024 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.020mW/g = -33.98 dB mW/g

Date/Time: 8/21/2012 12:09:23 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_ll_chan_165_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 332BEDBD

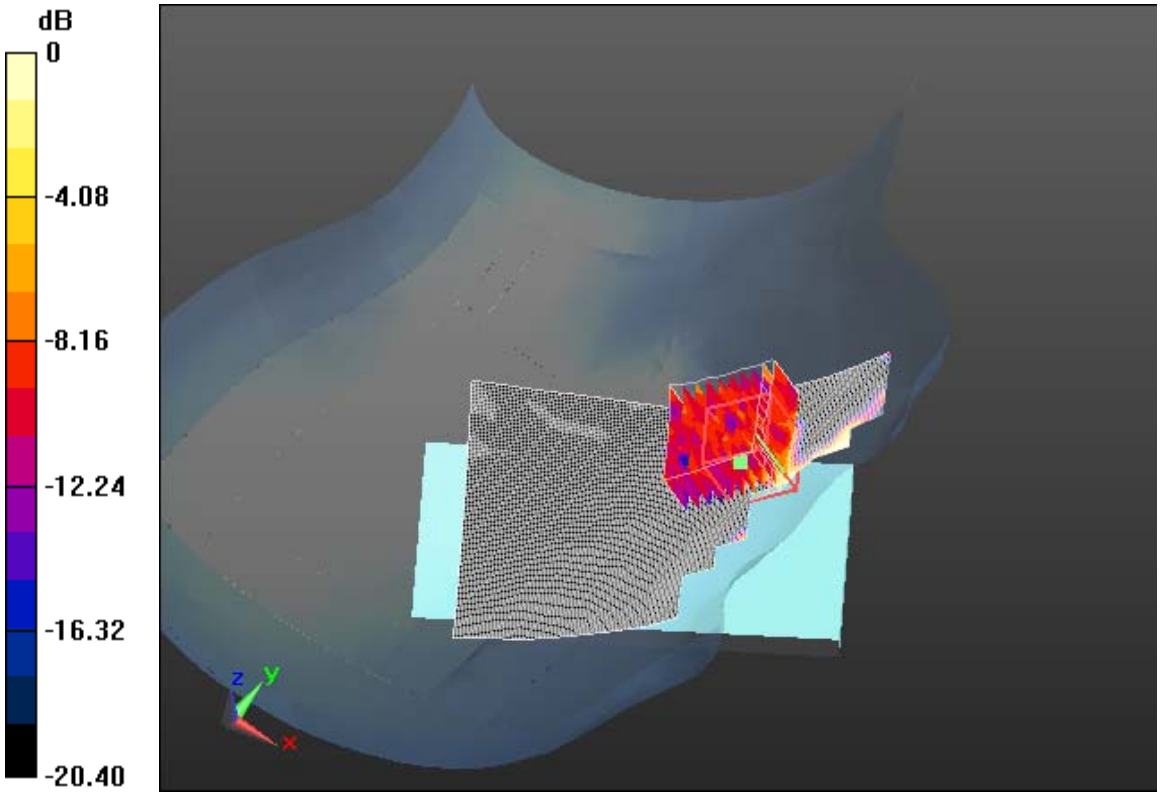
Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.363 mho/m; ε_r = 34.279; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.17, 4.17, 4.17); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.160 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (10x10x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.367 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.6670
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.065 mW/g



0 dB = 0.070mW/g = -23.10 dB mW/g

Date/Time: 8/21/2012 5:11:49 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11a_upper_band_II_chan_165_amb_temp_23.4 C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 332BEDBD

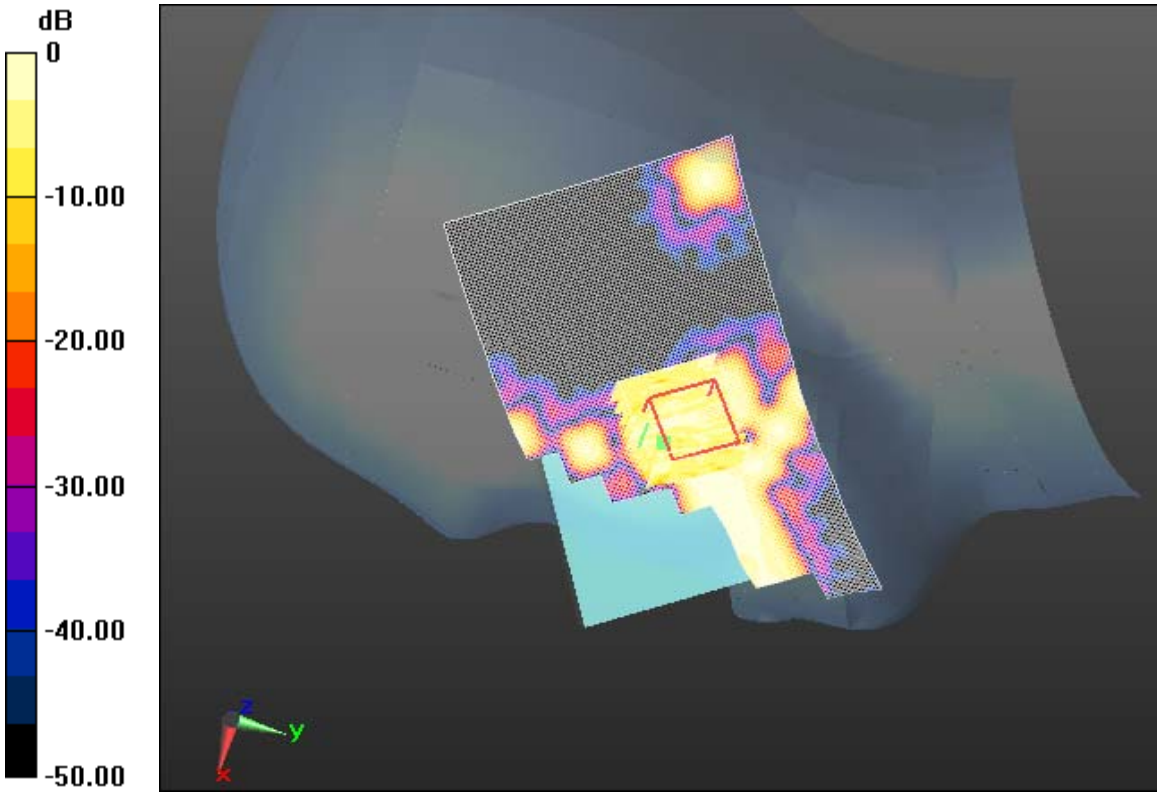
Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.363 mho/m; ε_r = 34.279; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.98, 3.98, 3.98); Calibrated: 11/18/2010
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.024 mW/g

Configuration/Tilt position 2 -/Zoom Scan (7x7x9) (9x9x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.900 V/m; Power Drift = 0.22 dB
Peak SAR (extrapolated) = 0.0460
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00639 mW/g
Maximum value of SAR (measured) = 0.018 mW/g



0 dB = 0.020mW/g = -33.98 dB mW/g

Date/Time: 8/20/2012 5:40:14 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_36_amb_temp_24.1C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

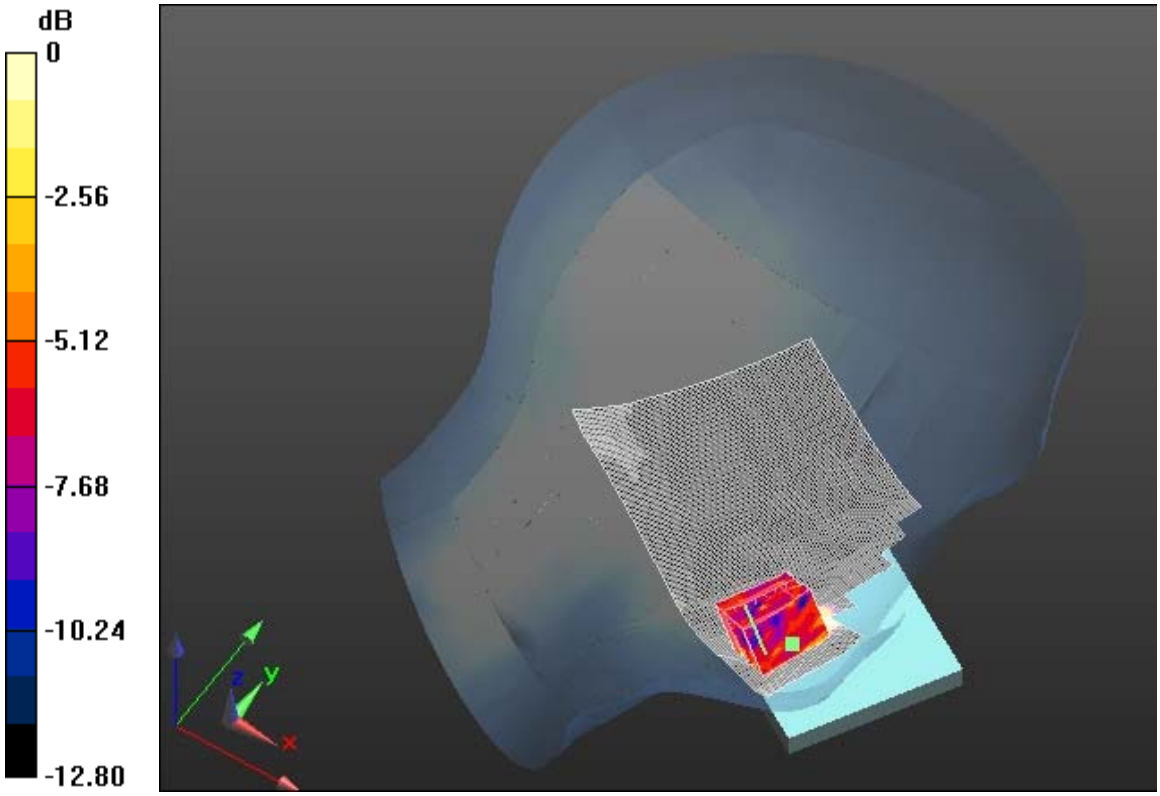
Communication System: 802.11a ; Frequency: 5180 MHz
Medium parameters used: f = 5180 MHz; σ = 4.752 mho/m; ε_r = 34.562; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.89, 4.89, 4.89); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.073 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (8x8x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.503 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0730
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00856 mW/g
Maximum value of SAR (measured) = 0.030 mW/g



0 dB = 0.030mW/g = -30.46 dB mW/g

Date/Time: 8/20/2012 6:53:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_mid_band_chan_52_amb_temp_24.1C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5260 MHz
Medium parameters used: f = 5260 MHz; σ = 4.84 mho/m; ε_r = 34.413; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

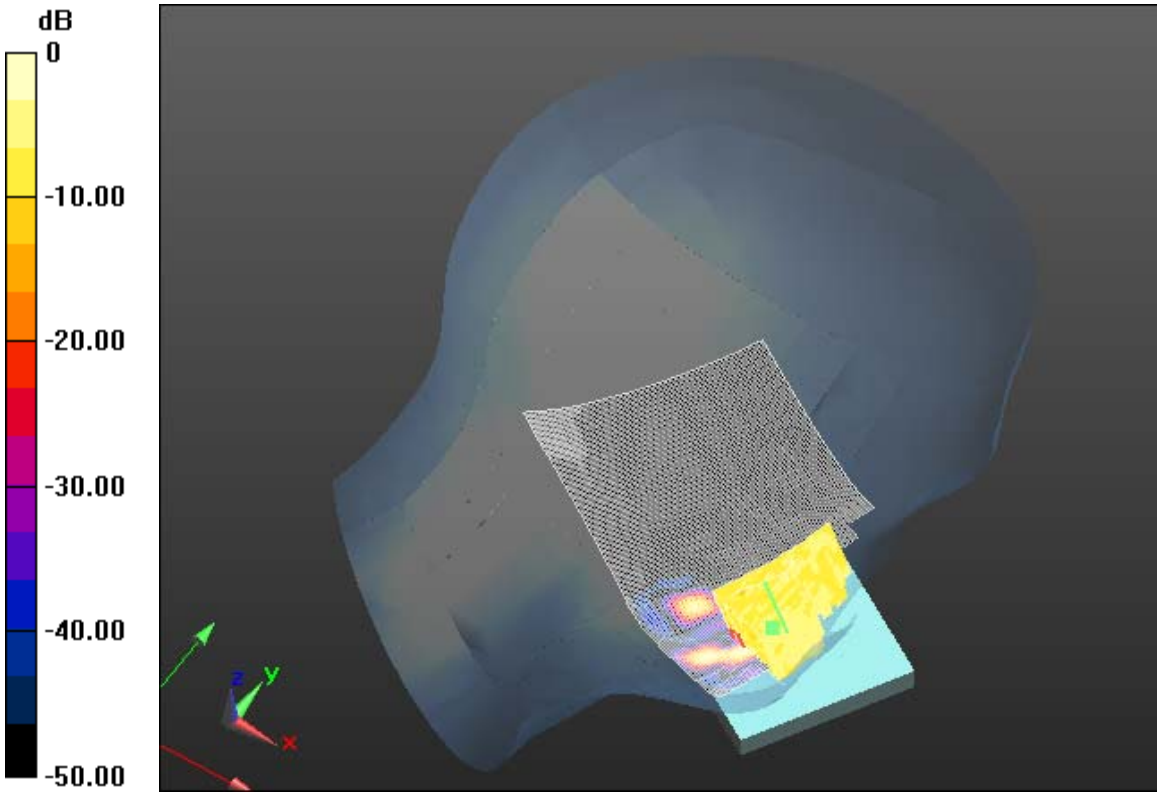
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.89, 4.89, 4.89); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Fix Surface), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.051 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (17x17x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.083 V/m; Power Drift = 0.73 dB
Peak SAR (extrapolated) = 0.7410
SAR(1 g) = 0.015 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.039 mW/g



0 dB = 0.040mW/g = -27.96 dB mW/g

Date/Time: 8/21/2012 12:36:41 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_l_chan_104_amb_temp_23.7C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

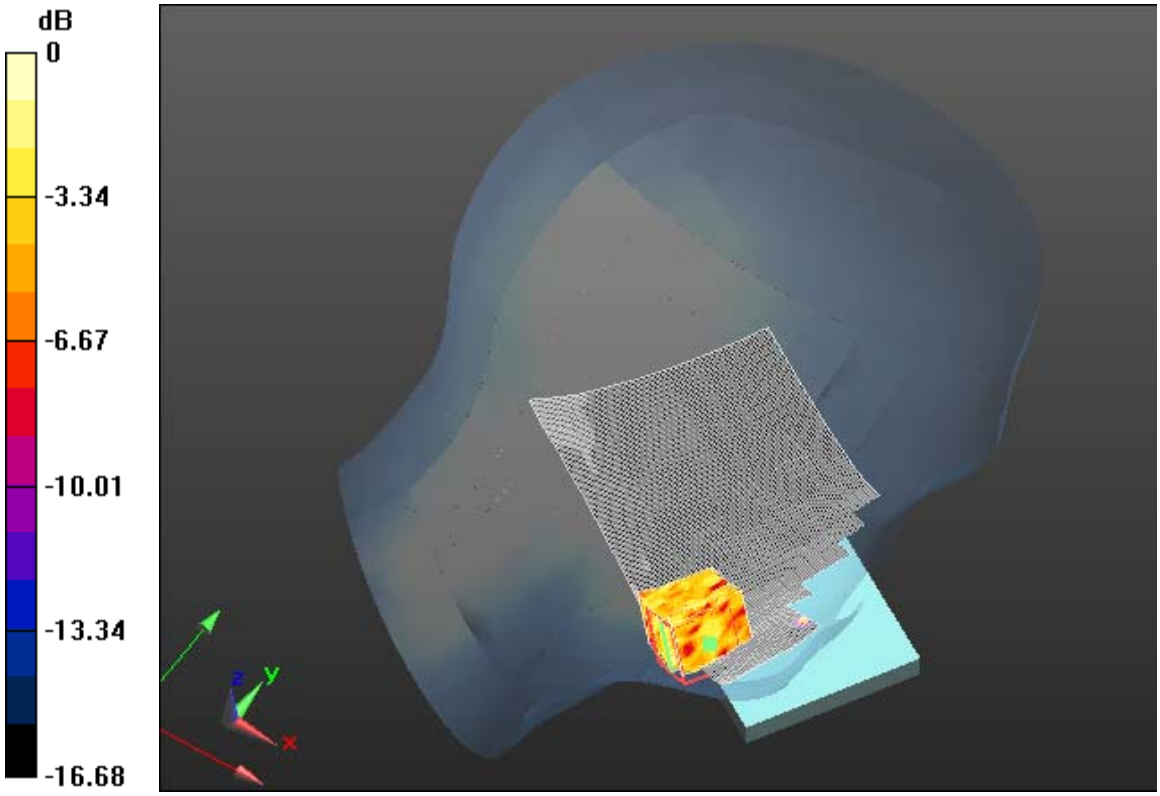
Communication System: 802.11a ; Frequency: 5520 MHz
Medium parameters used: f = 5520 MHz; σ = 5.039 mho/m; ε_r = 34.166; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.38, 4.38, 4.38); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.014 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (8x8x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.318 V/m; Power Drift = 0.44 dB
Peak SAR (extrapolated) = 0.0640
SAR(1 g) = 0.00668 mW/g; SAR(10 g) = 0.00435 mW/g
Maximum value of SAR (measured) = 0.017 mW/g



0 dB = 0.020mW/g = -33.98 dB mW/g

Date/Time: 8/21/2012 10:57:33 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_ll_chan_165_amb_temp_23.5C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.363 mho/m; ε_r = 34.279; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

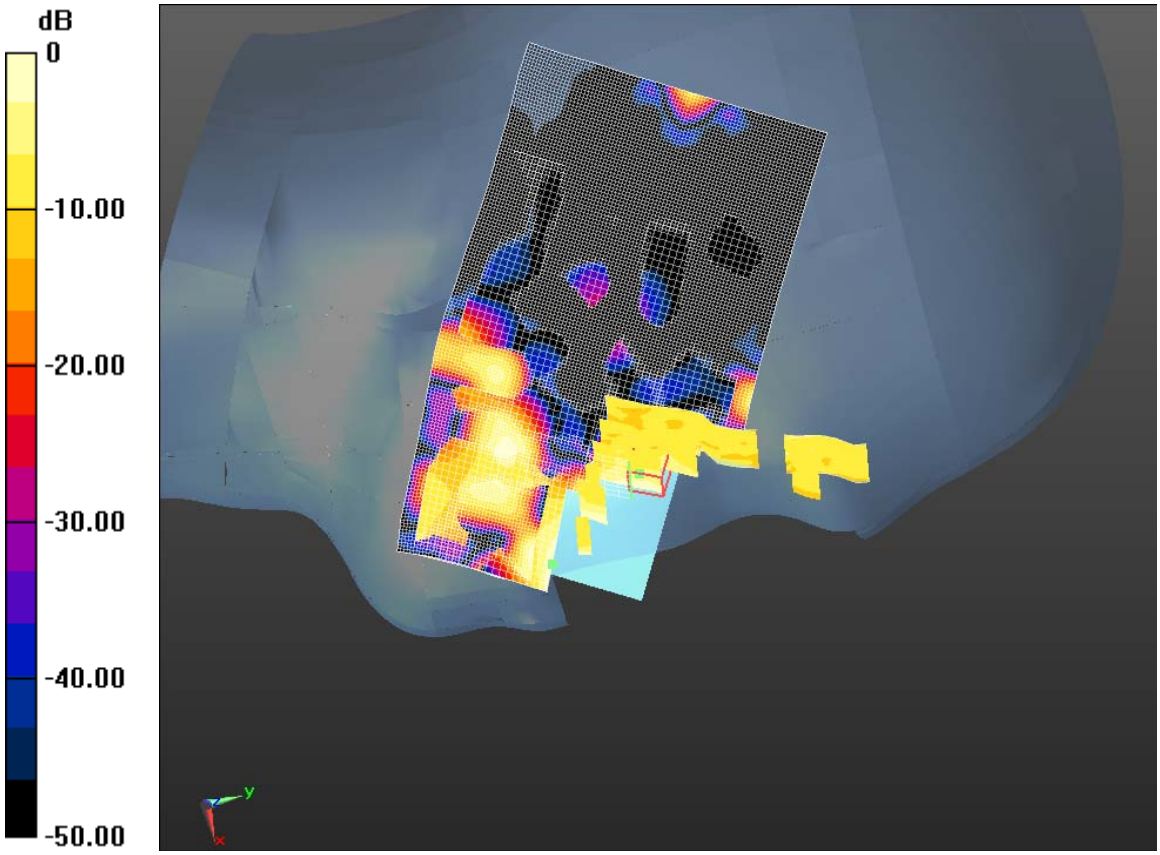
- Probe: EX3DV4 - SN3592; ConvF(4.17, 4.17, 4.17); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Fix Surface), z = 1.0, 21.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.064 mW/g

Configuration/Touch position 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.081 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (21x21x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.790 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.8290
SAR(1 g) = 0.033 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g = -23.10 dB mW/g

Date/Time: 8/21/2012 9:36:20 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11a_upper_band_ll_chan_165_amb_temp_23.5 C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.363 mho/m; ε_r = 34.279; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

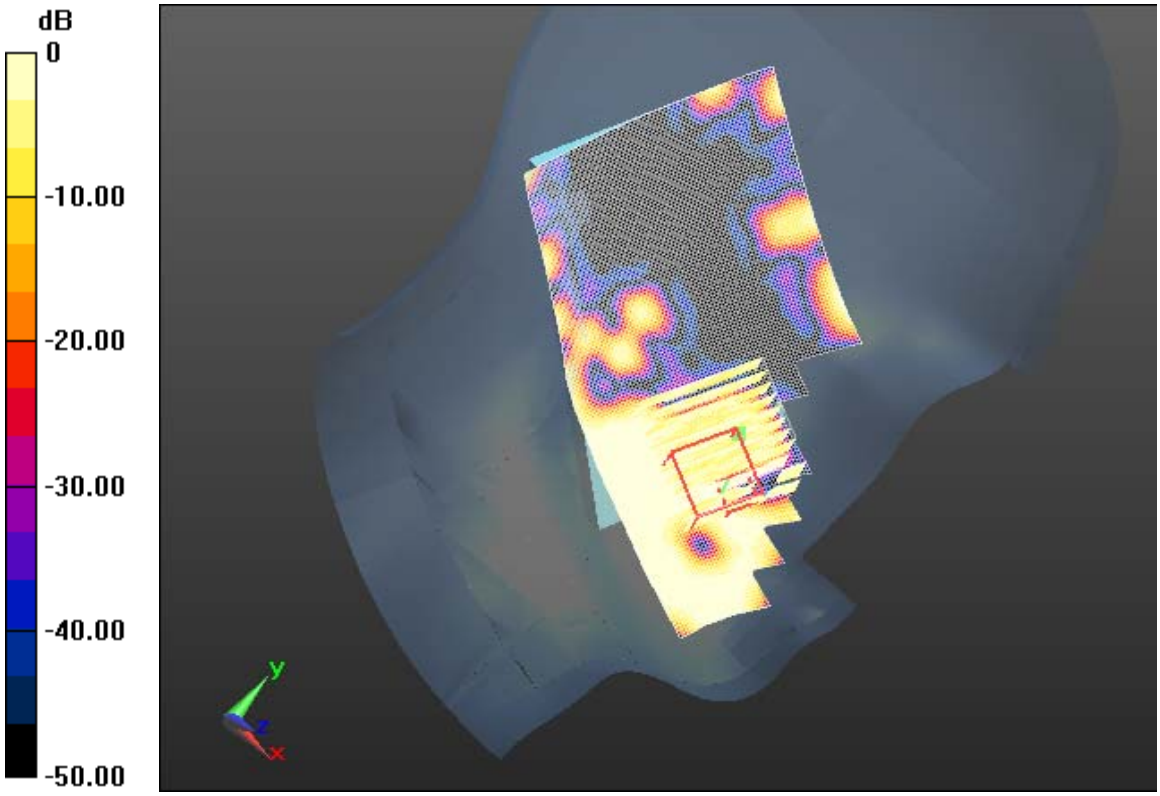
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.17, 4.17, 4.17); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.050 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (11x11x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.353 V/m; Power Drift = 0.76 dB
Peak SAR (extrapolated) = 0.0500
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00837 mW/g

Maximum value of SAR (measured) = 0.019 mW/g



0 dB = 0.020mW/g = -33.98 dB mW/g

Date/Time: 8/22/2012 1:22:57 PM

Test Laboratory: RIM Testing Services

Head_Flat_Phantom_802.11a_upper_band_II_chan_165_amb_temp_23.3C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.363 mho/m; ε_r = 34.279; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

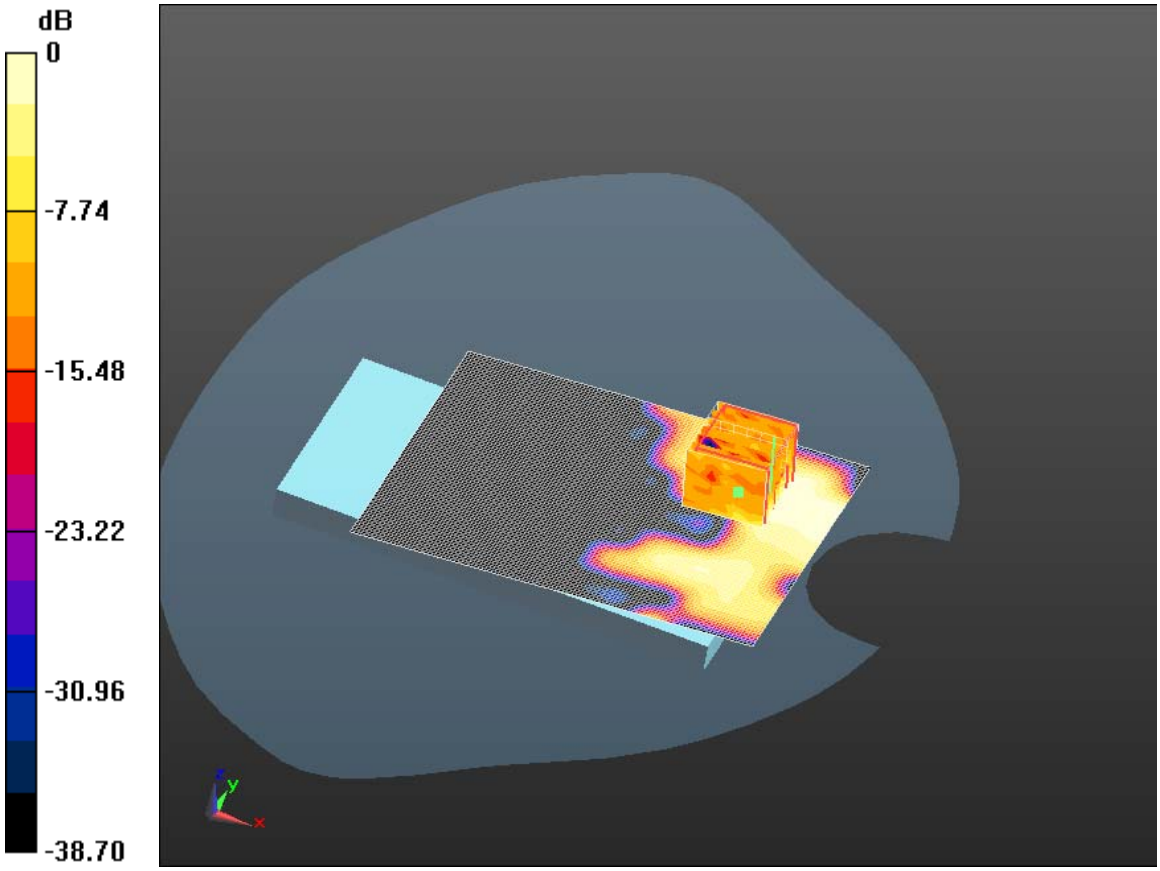
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.17, 4.17, 4.17); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.145 mW/g

Configuration/Touch position -/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.473 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.2570
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g = -19.17 dB mW/g

Date/Time: 11/7/2012 11:13:32 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_ll_chan_165_amb_temp_24.2C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.51 mho/m; ε_r = 35.109; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

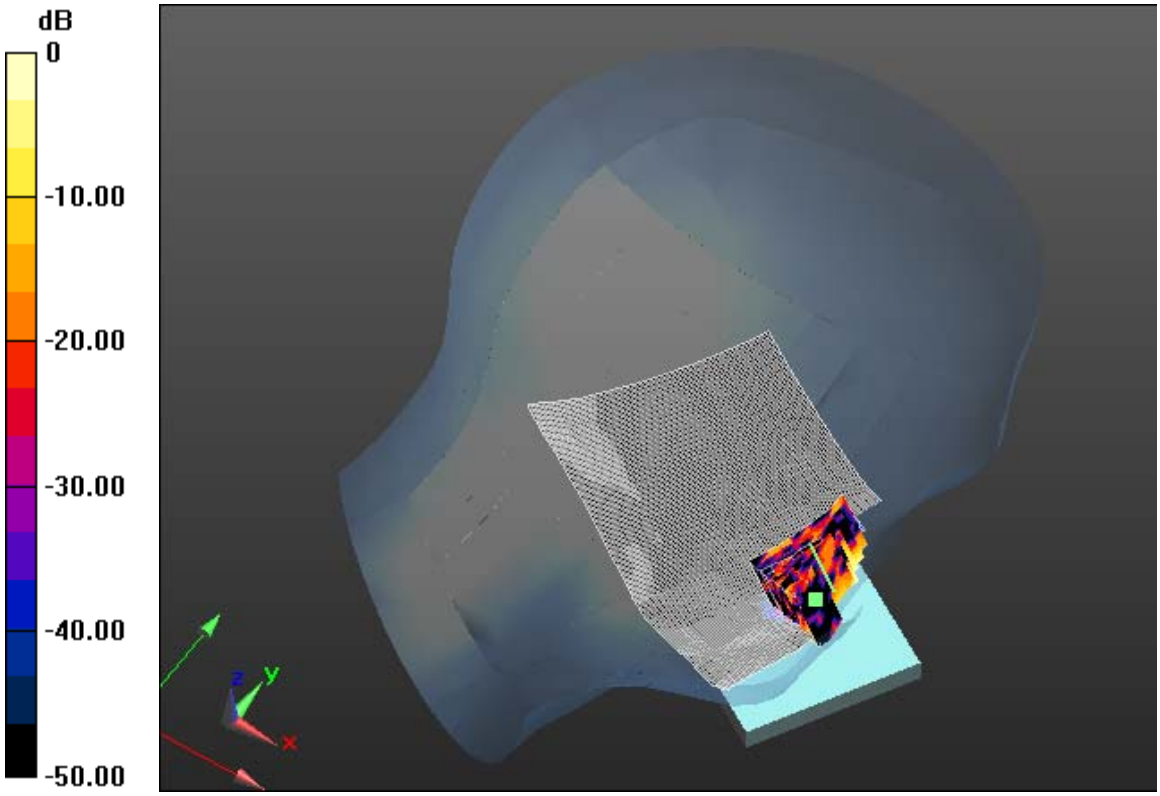
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.44, 4.44, 4.44); Calibrated: 1/14/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Fix Surface), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.085 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (17x17x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.689 V/m; Power Drift = 4.13 dB
Peak SAR (extrapolated) = 0.6480
SAR(1 g) = 0.054 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.170 mW/g



0 dB = 0.170mW/g = -15.39 dB mW/g

Date/Time: 11/8/2012 12:26:48 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11a_upper_band_II_chan_165_amb_temp_24.2 C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.51 mho/m; ε_r = 35.109; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

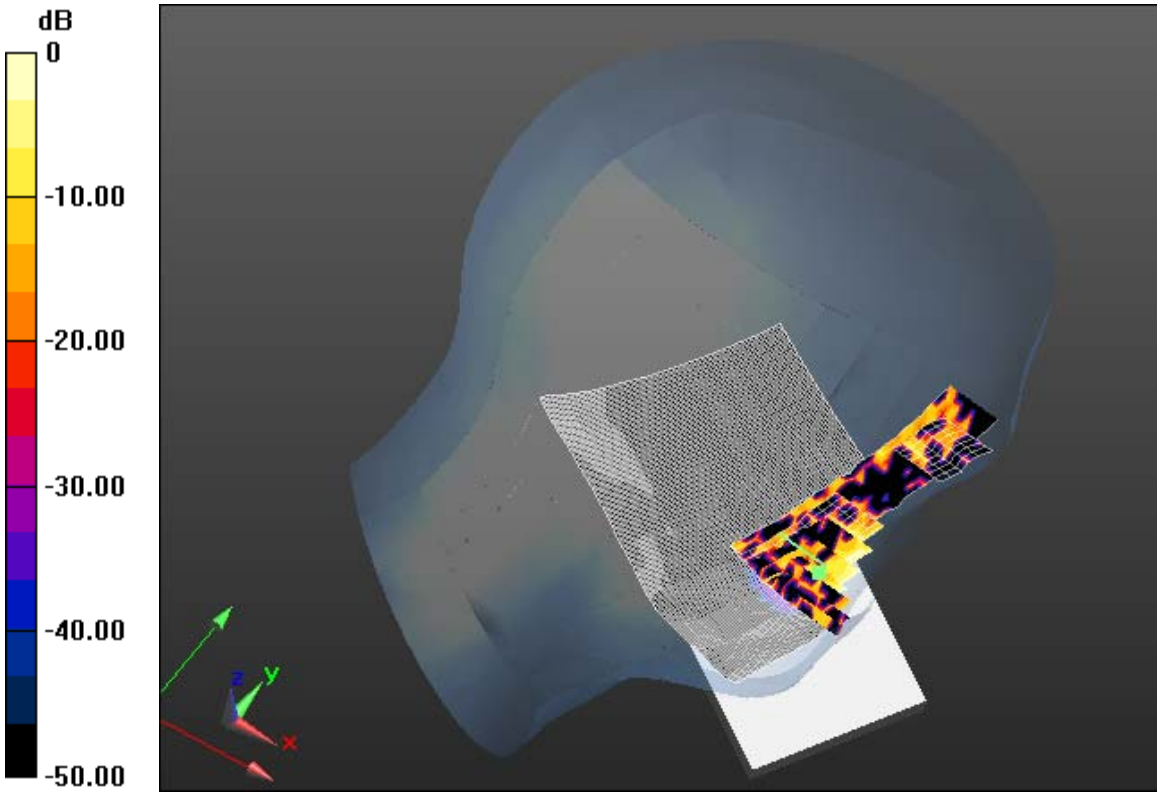
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.44, 4.44, 4.44); Calibrated: 1/14/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Fix Surface), z = 1.0, 21.0
- 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 2 -/Area Scan (91x151x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.062 mW/g

Configuration/Touch position 2 -/Zoom Scan (7x7x9) (25x25x9)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.458 V/m; Power Drift = 3.43 dB
Peak SAR (extrapolated) = 0.2450
SAR(1 g) = 0.027 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.040mW/g = -27.96 dB mW/g

Date/Time: 11/8/2012 2:24:25 AM

Test Laboratory: RIM Testing Services

Head_Flat_Phantom_802.11a_upper_band_ll_chan_165_amb_temp_24.0C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.51 mho/m; ε_r = 35.109; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

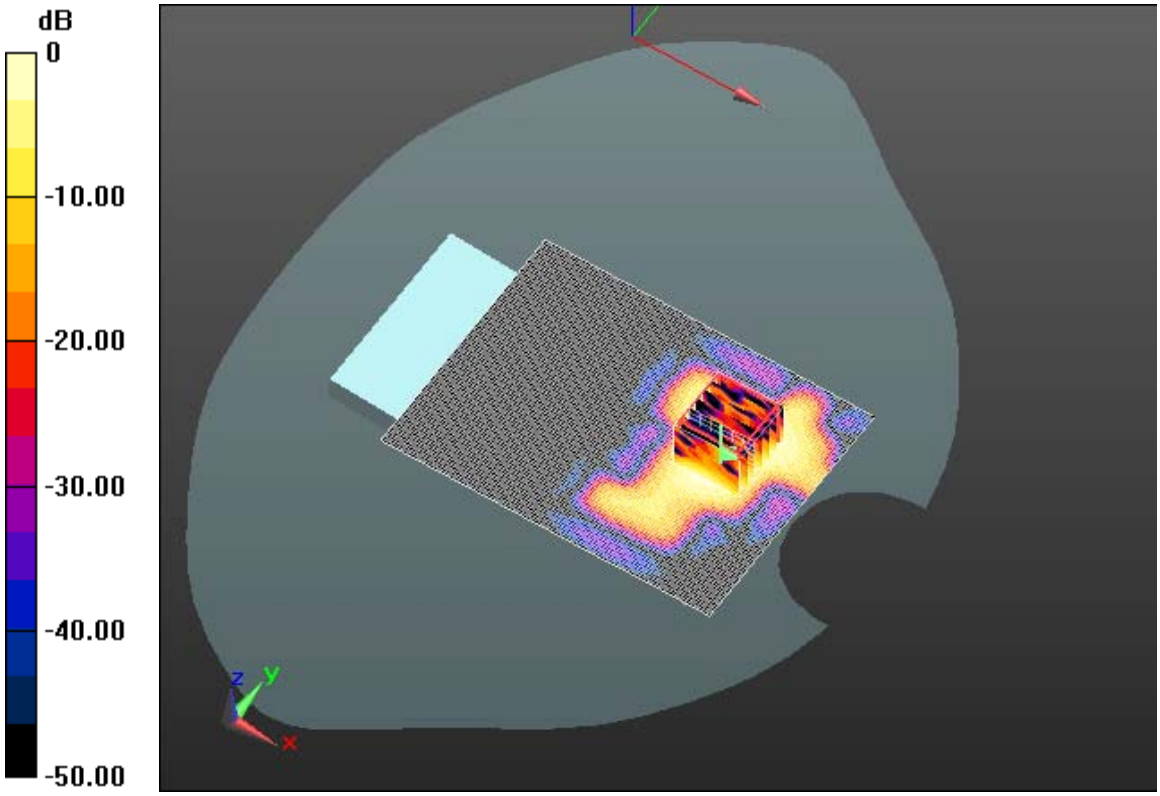
DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.44, 4.44, 4.44); Calibrated: 1/14/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 21.0
- 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 (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.250 mW/g

Configuration/Touch position -/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 1.0 dB
Peak SAR (extrapolated) = 0.4470
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.220 mW/g



0 dB = 0.220mW/g = -13.15 dB mW/g

Additional measurement plots as per latest (Oct. 24, 2012) KDBs:

Date/Time: 1/10/2013 2:26:18 AM

Test Laboratory: RIM Testing Services

RightHandside_LTE_13_mid_chan_QPSK_RB_25_Offset_0_amb_temp_24.0_liq_temp_21.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.9 S/m; ε_r = 40.39; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

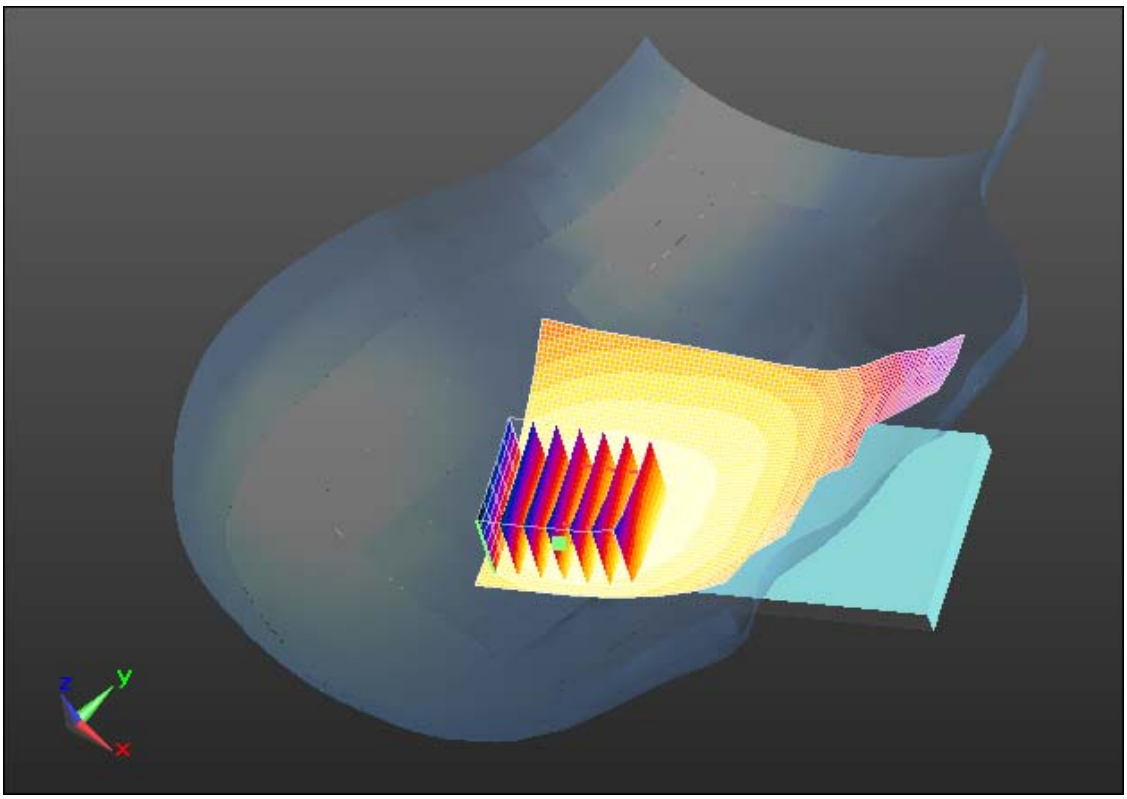
- Probe: ET3DV6 - SN1644; ConvF(6.57, 6.57, 6.57); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 0.925 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.955 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.519 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.871 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

Date/Time: 1/10/2013 5:26:42 AM

Test Laboratory: RIM Testing Services

LeftHandside_LTE_13_mid_chan_QPSK_RB_1_Offset_0_amb_temp_23.6_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: LTE 700_Band 13; Frequency: 782 MHz
Medium parameters used (interpolated): f = 782 MHz; σ = 0.9 S/m; ε_r = 40.39; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

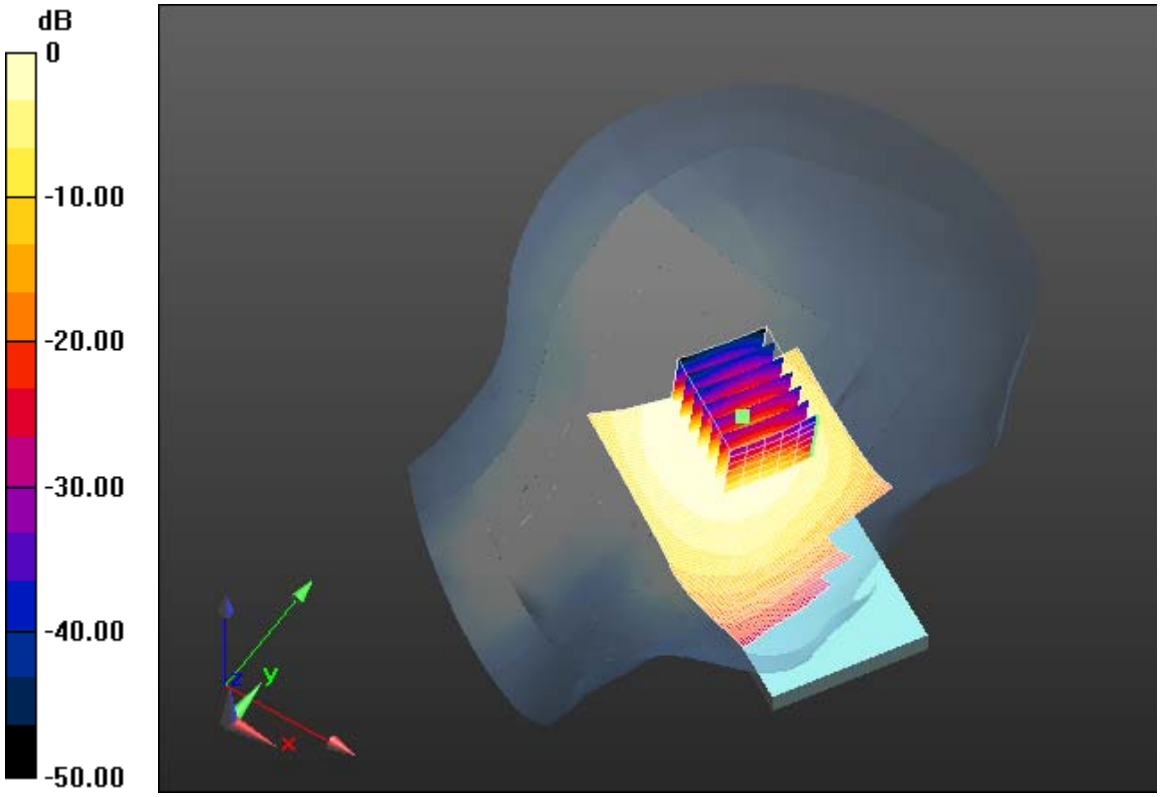
- Probe: ET3DV6 - SN1644; ConvF(6.57, 6.57, 6.57); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.909 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.440 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.576 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.891 W/kg



0 dB = 0.909 W/kg = -0.41 dBW/kg

Date/Time: 1/9/2013 10:55:27 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_23.5C_liq_temp_22.1C _Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: GSM 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.904 S/m; ε_r = 41.245; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

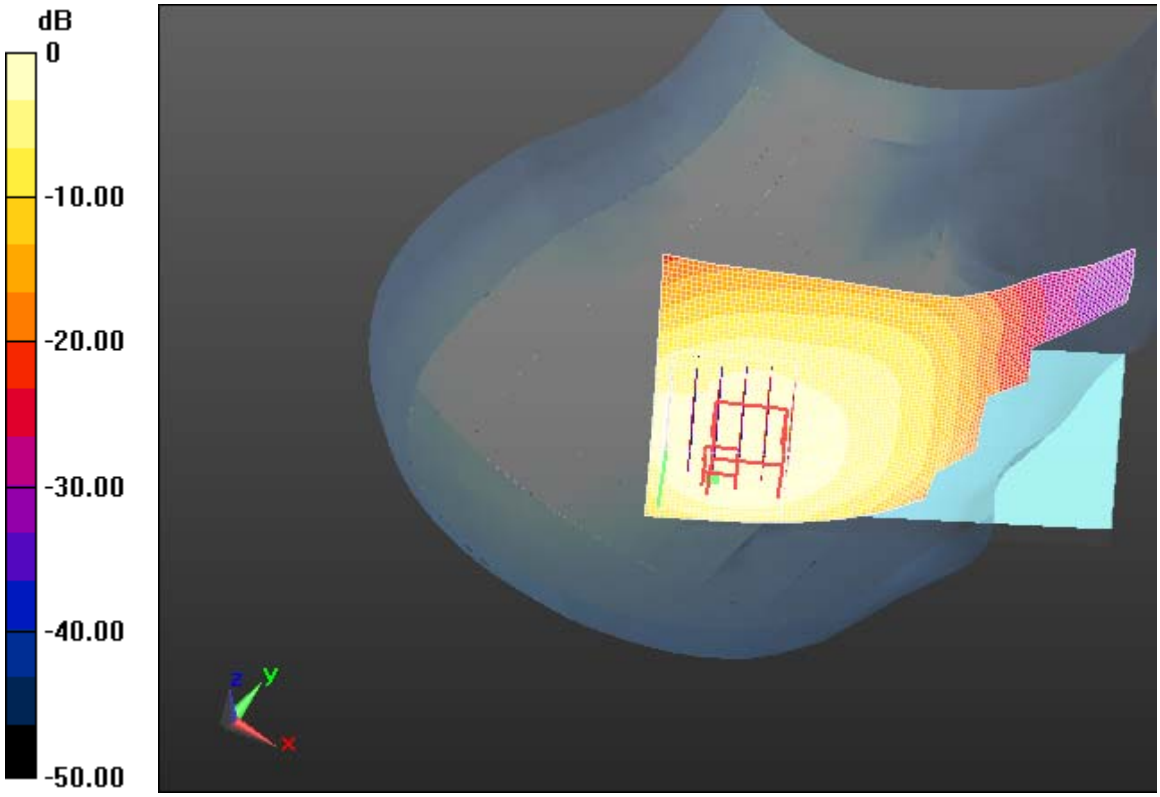
- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.36 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.290 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.704 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.36 W/kg = 1.32 dBW/kg

Date/Time: 1/9/2013 1:36:29 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_mid_chan_amb_temp_23.3C_liq_temp_22.0C _Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.904 S/m; ε_r = 41.248; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

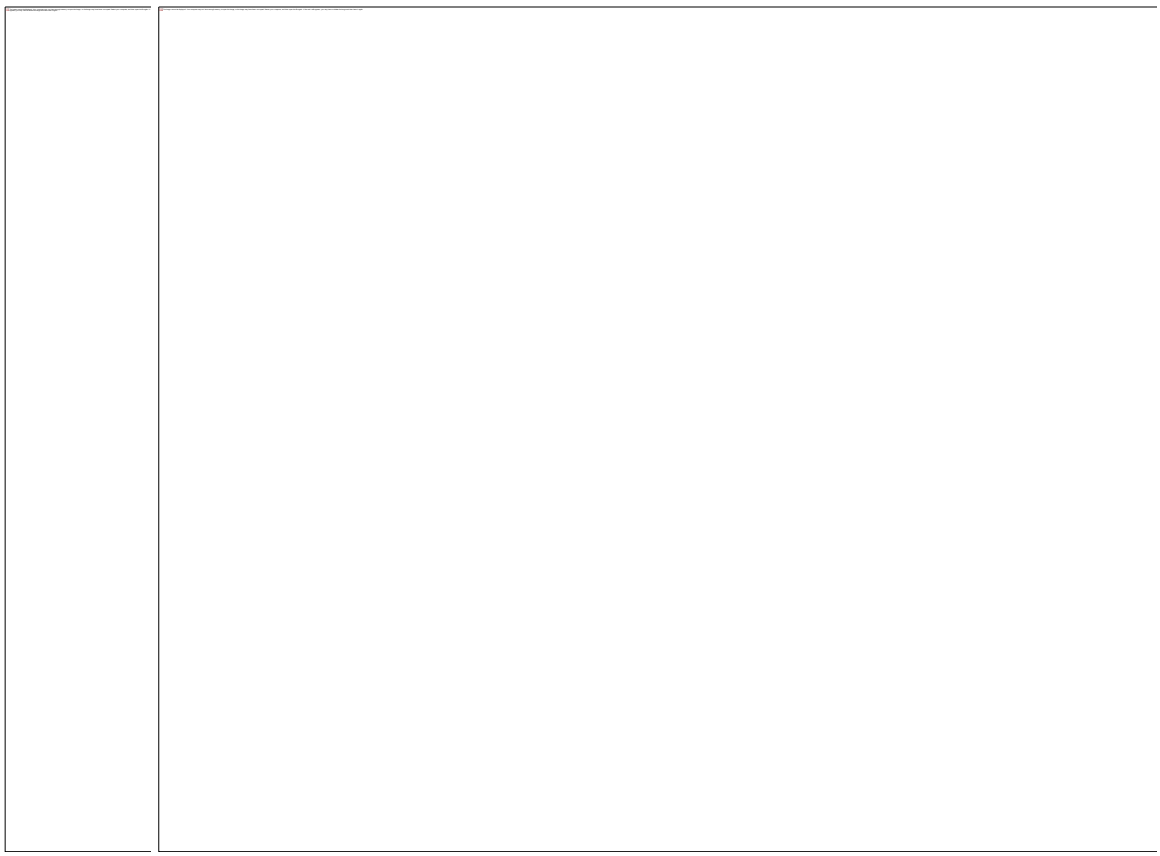
- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.05 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.620 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.746 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.05 W/kg = 0.22 dBW/kg

Date/Time: 1/9/2013 11:24:05 AM

Test Laboratory: RIM Testing Services

RightHandSide_DTM850_2slots_mid_chan_amb_temp_23.5C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: DTM (GSM+EDGE) 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.904 S/m; ε_r = 41.245; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

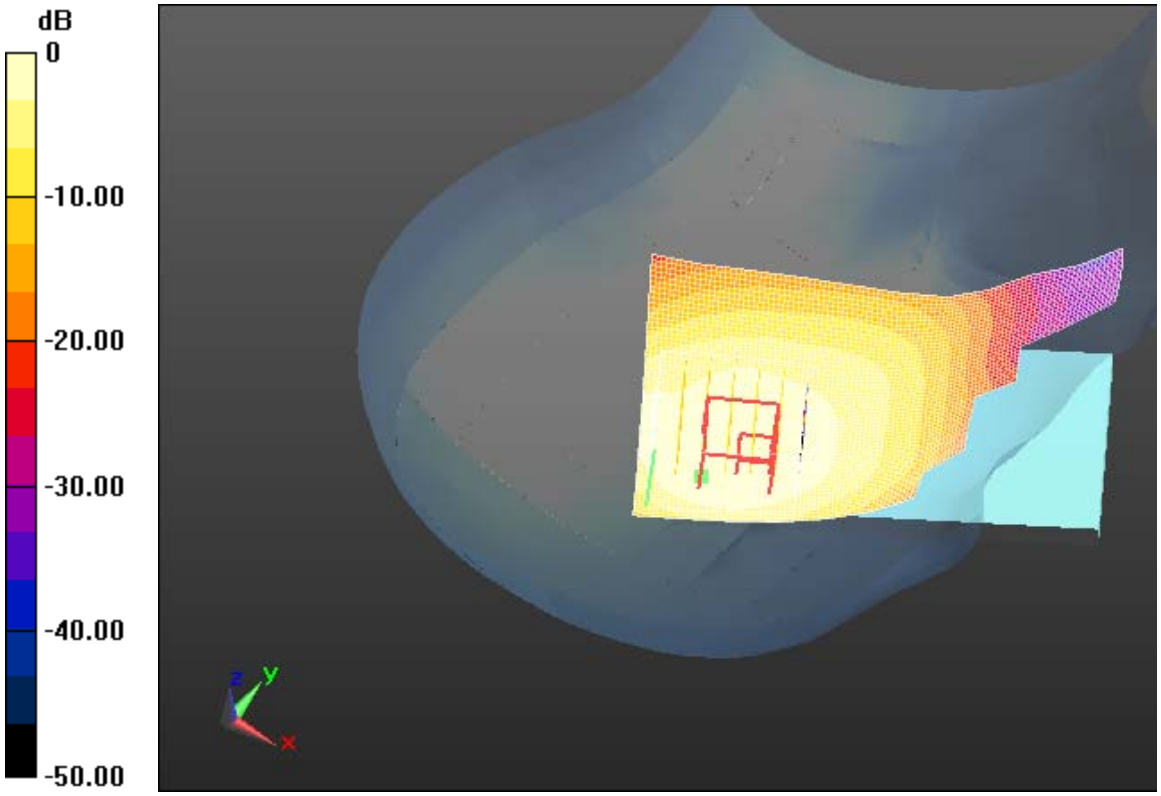
- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.18 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.863 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.668 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

Date/Time: 1/9/2013 11:58:38 AM

Test Laboratory: RIM Testing Services

RightHandSide_DTM850_3slots_mid_chan_amb_temp_23.5C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: DTM (GSM+EDGE) 850 (3 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.904 S/m; ε_r = 41.245; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

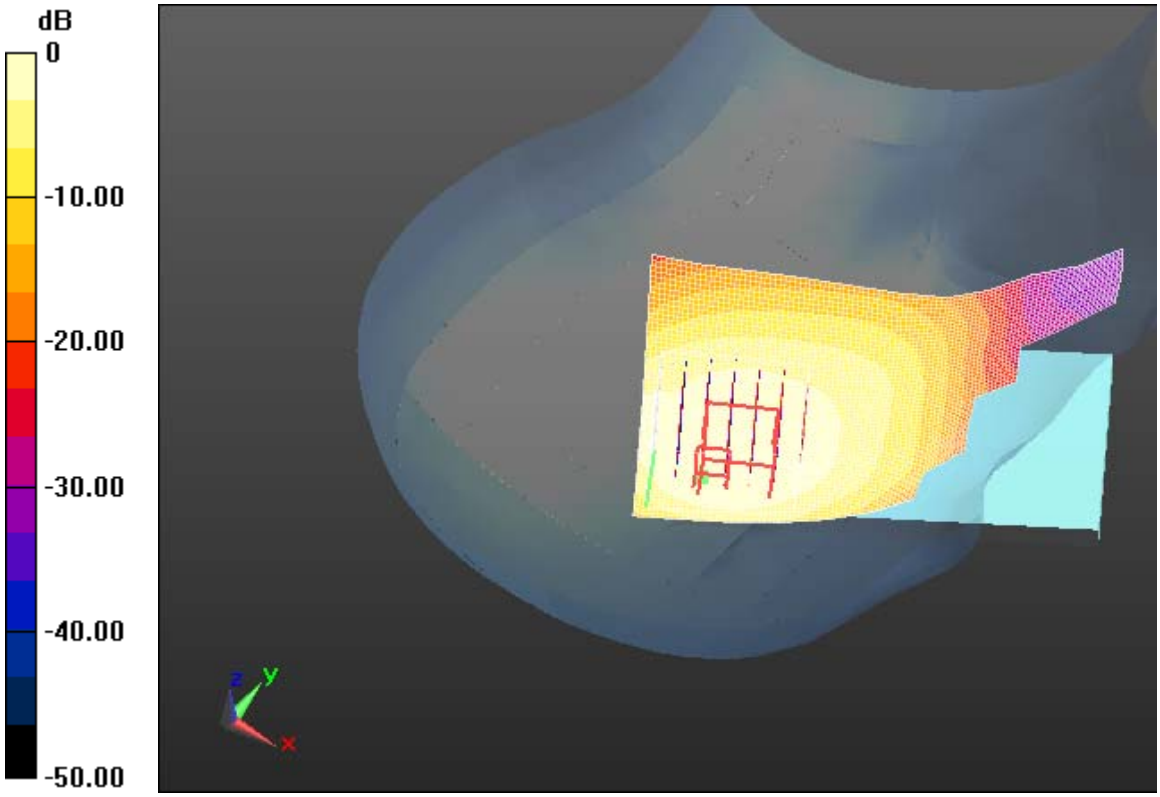
- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.29 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.359 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.685 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

Date/Time: 1/9/2013 2:16:43 PM

Test Laboratory: RIM Testing Services

LeftHandSide_SVLTE_CDMA850_24.40dBm_LTE13_18.85dBm_QPSK_RB1_Offset0_mid_chan_amb_temp_23.4C_liq_temp_22.0C_Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.904 S/m; ε_r = 41.248; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

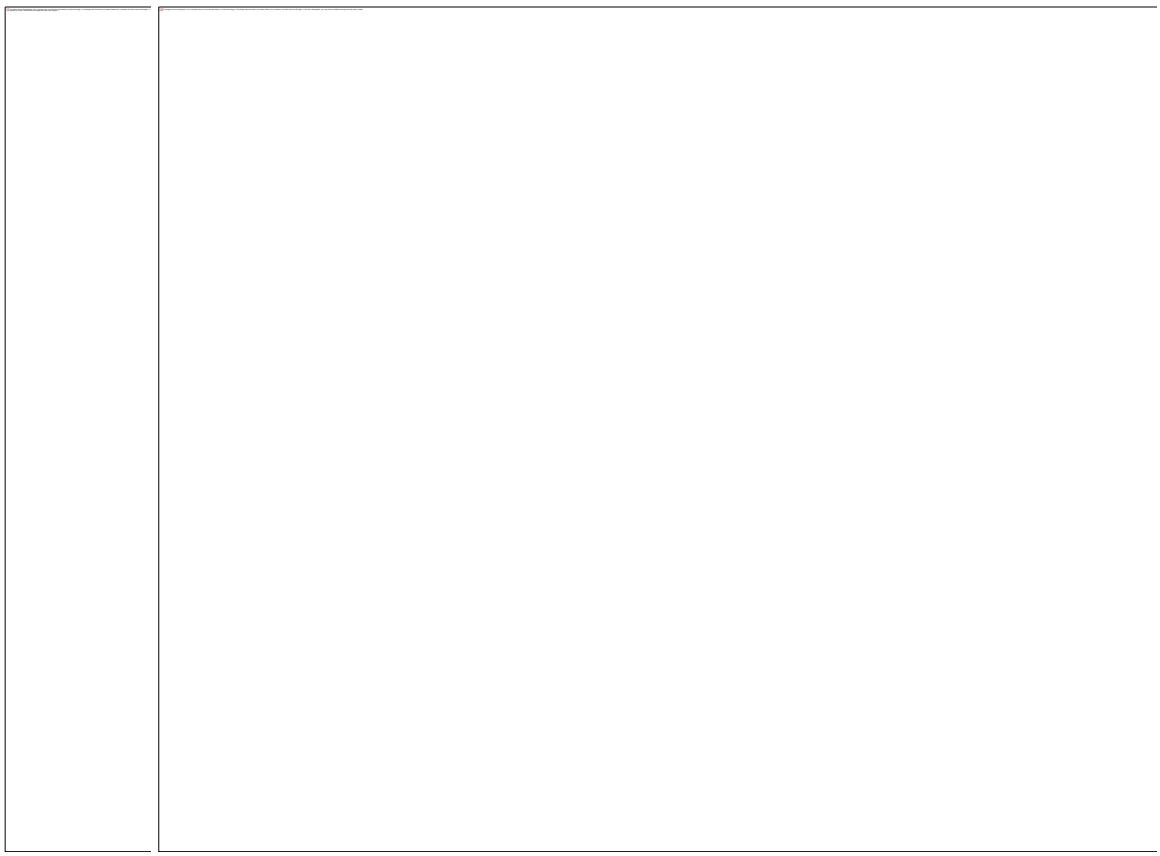
- Probe: ET3DV6 - SN1644; ConvF(6.24, 6.24, 6.24); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.028 V/m; Power Drift = 0.53 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.825 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.13 W/kg = 0.51 dBW/kg

Date/Time: 1/8/2013 11:40:13 AM

Test Laboratory: RIM Testing Services

RightHandSide_GSM1900_low_chan_amb_temp_23.8C_liq_temp_21.9 C_Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: GSM 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.379 S/m; ε_r = 38.634; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

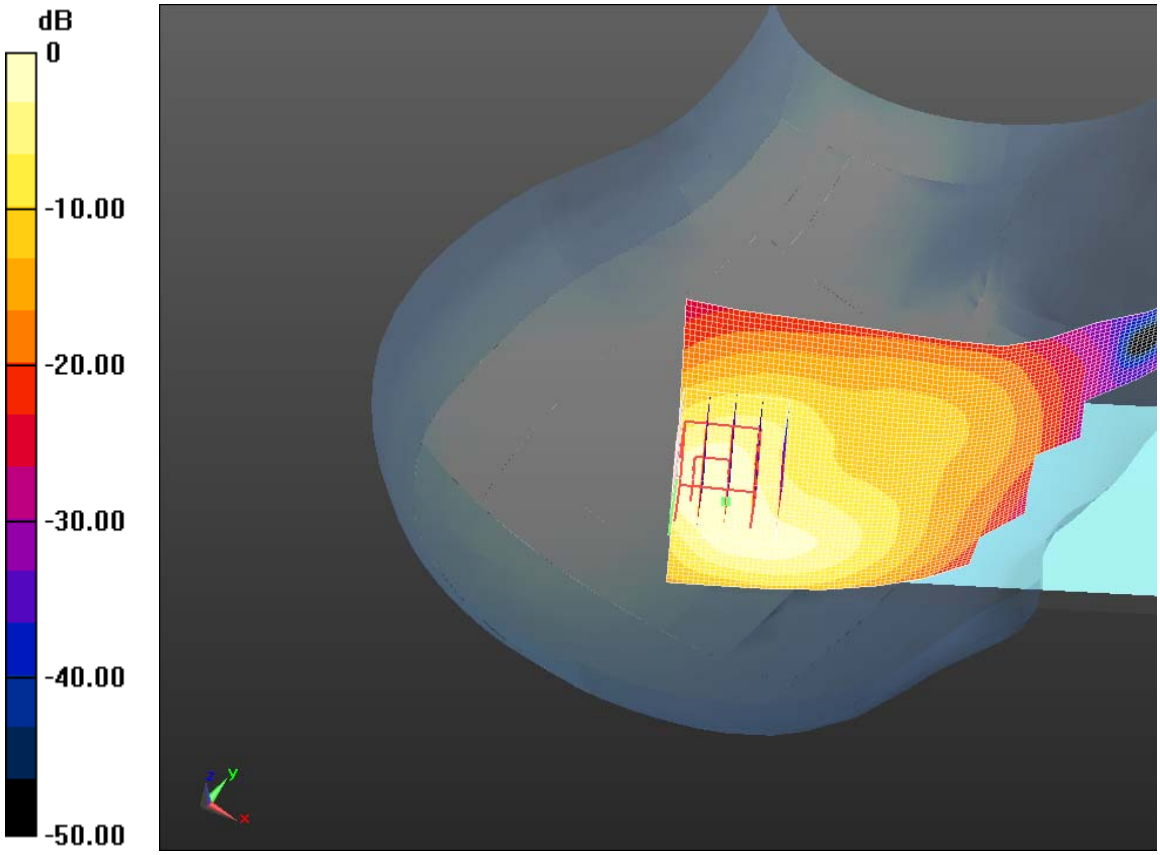
- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.10 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.926 V/m; Power Drift = 0.28 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.549 W/kg

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



0 dB = 1.10 W/kg = 0.42 dBW/kg

Date/Time: 1/8/2013 6:54:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_DTM1900_low_chan_amb_temp_23.3C_liq_temp_20.9 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.379 S/m; ε_r = 38.634; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

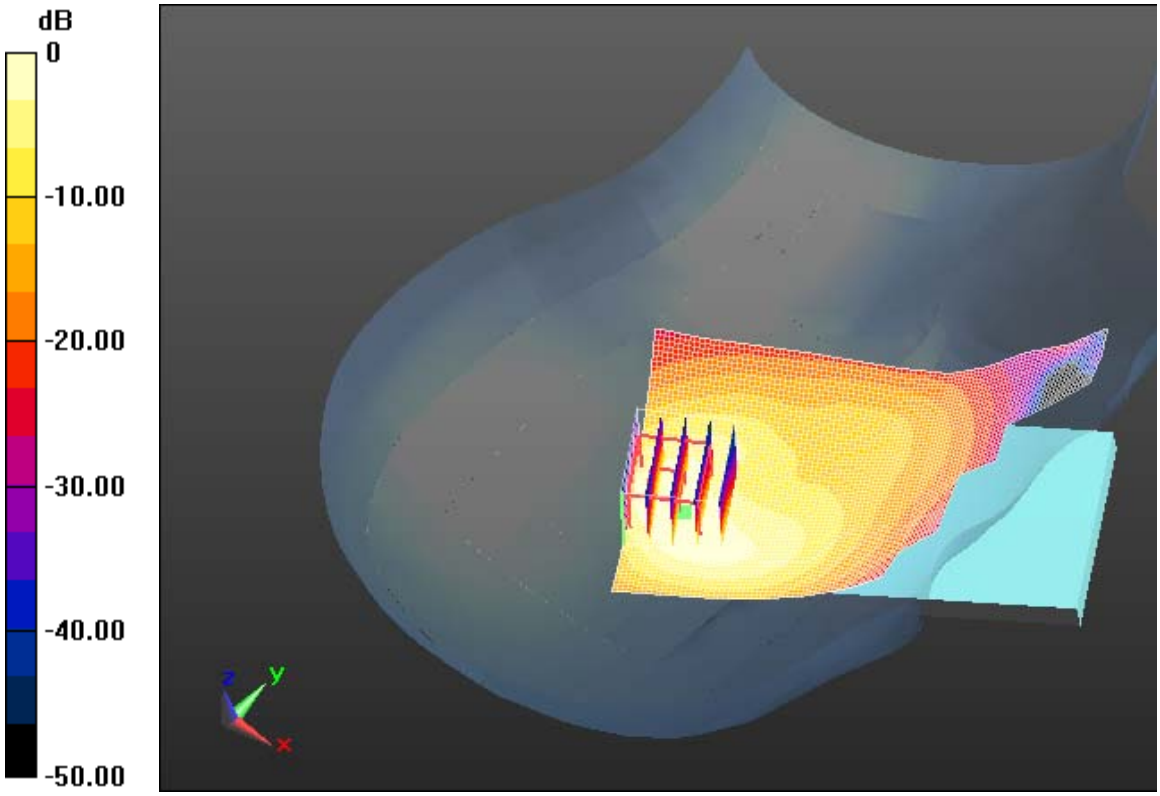
- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.835 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.526 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.13 W/kg = 0.55 dBW/kg

Date/Time: 1/8/2013 7:21:03 PM

Test Laboratory: RIM Testing Services

RightHandSide_DTM1900_3-slots_low_chan_amb_temp_23.3C _liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: EDGE 1900(3 slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.379 S/m; ε_r = 38.634; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

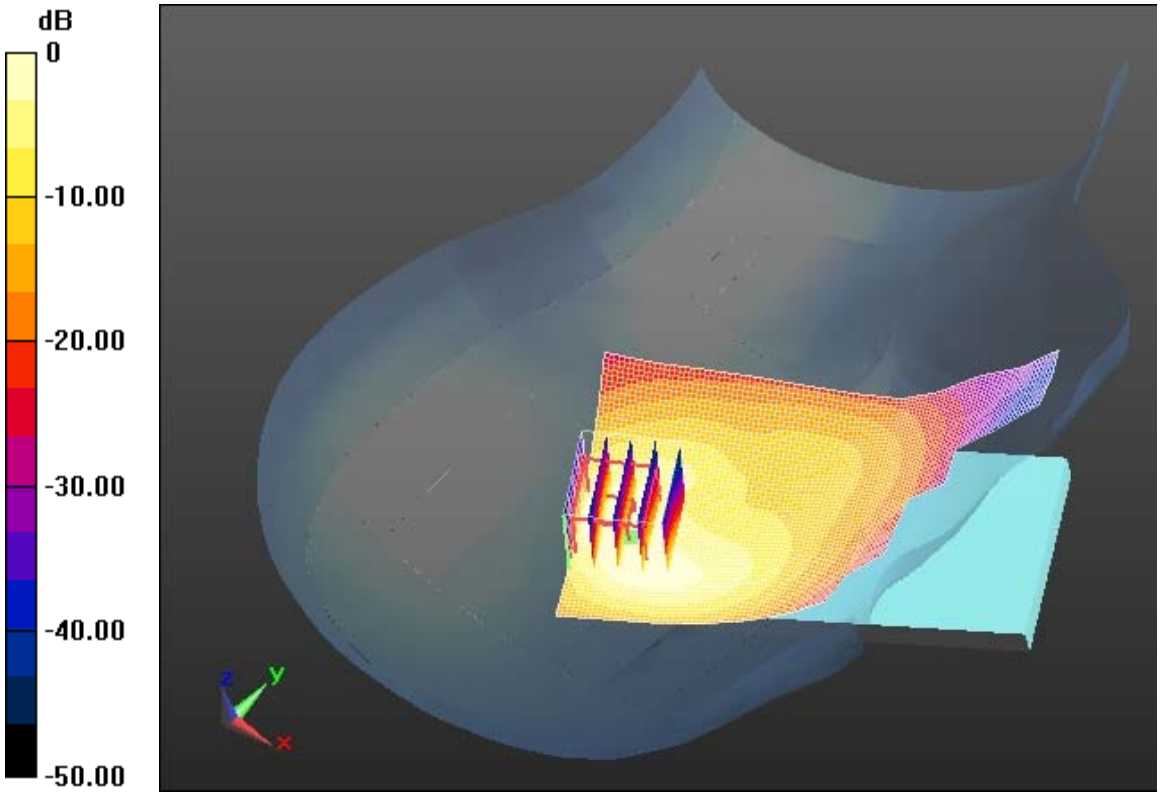
- Probe: ET3DV6 - SN1644; ConvF(5.21, 5.21, 5.21); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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) = 1.12 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.554 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.516 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.12 W/kg = 0.48 dBW/kg

Date/Time: 1/8/2013 9:50:04 AM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.8C_liq_temp_22.2 C_Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

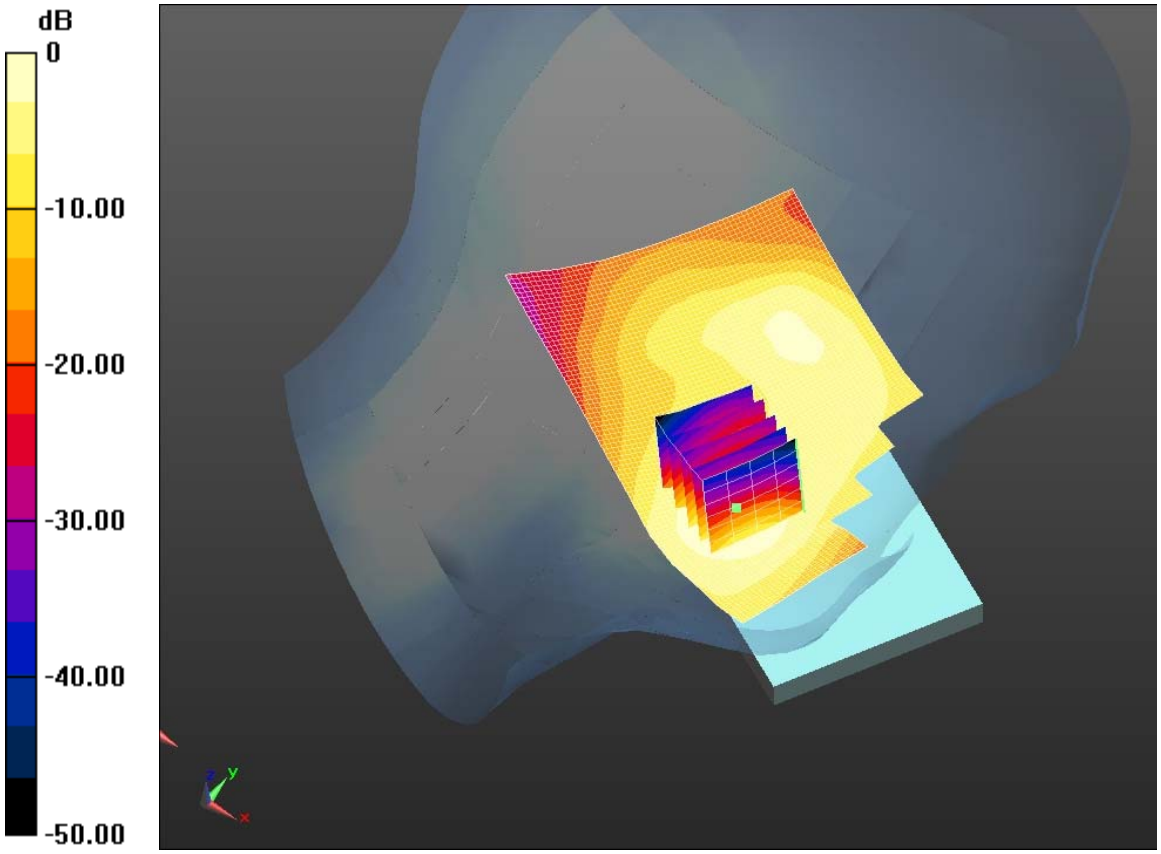
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 38.453; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
Maximum value of SAR (interpolated) = 1.17 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.419 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.654 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.17 W/kg = 0.69 dBW/kg

Date/Time: 1/8/2013 10:58:58 AM

Test Laboratory: RIM Testing Services

LeftHandSide_SVLTE_CDMA1900_24.10dBm_LTE13_19.54dBm_QPSK_RB1_Offset0_mid_chan_amb_temp_23.7C_liq_temp_22.4C_Repeat_Scan

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

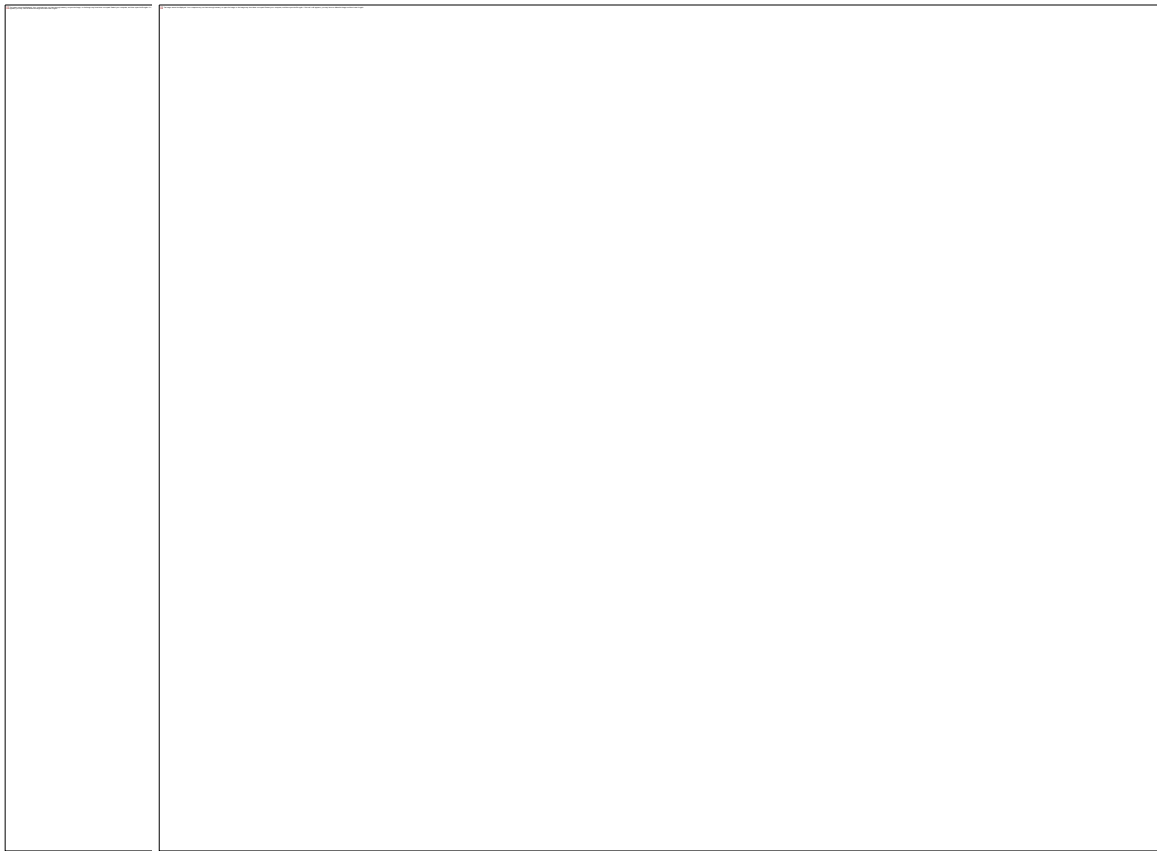
Communication System: CDMA 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 38.453; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
Maximum value of SAR (interpolated) = 1.27 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.954 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.691 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Date/Time: 1/7/2013 6:25:54 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_24.2C_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332BEDBD

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.771 S/m; ε_r = 37.73; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

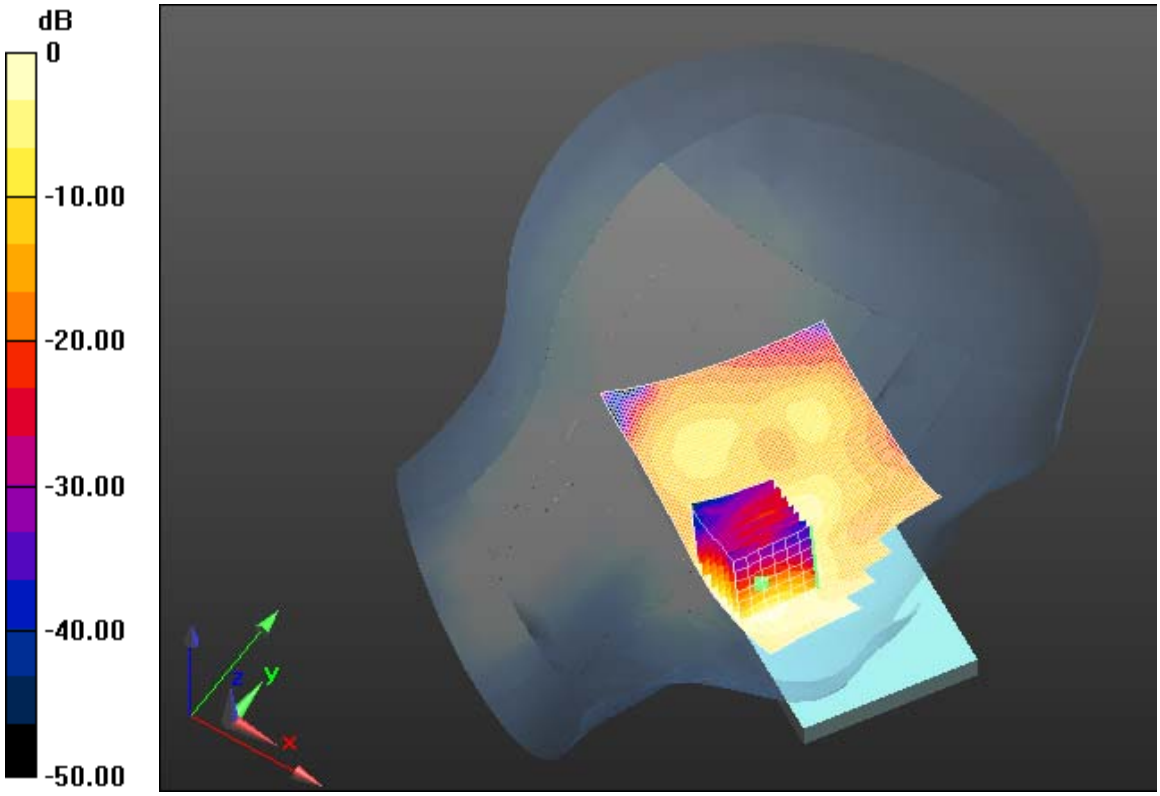
- Probe: ET3DV6 - SN1644; ConvF(4.6, 4.6, 4.6); Calibrated: 11/13/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.7, 32.7
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Touch position -/Area Scan (71x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.203 W/kg

Configuration/Touch position -/Zoom Scan (7x7x7) (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.057 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.341 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.097 W/kg

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.203 W/kg = -6.92 dBW/kg

Date/Time: 1/10/2013 9:28:14 PM

Test Laboratory: RIM Testing Services

Head_Flat_Phantom_802.11a_upper_band_ll_chan_165_amb_temp_24.1C_liq_temp_21.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 332F96D2

Communication System: 802.11a ; Frequency: 5825 MHz
Medium parameters used: f = 5825 MHz; σ = 5.547 S/m; ε_r = 34.731; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

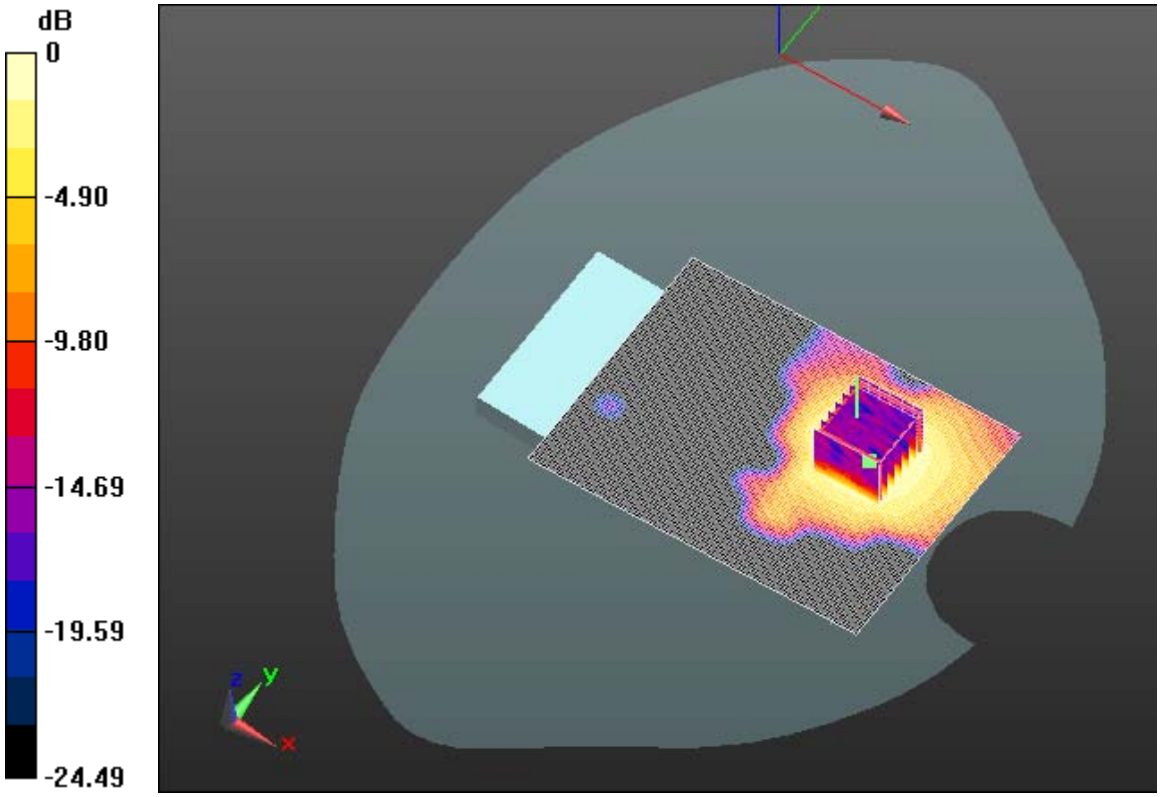
DASY Configuration:

- 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)

Configuration/Touch position -/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.194 W/kg

Configuration/Touch position -/Zoom Scan -Ext(24x24x22), Step (4x4x2.0mm), dist=2mm (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.542 V/m; Power Drift = 3.10 dB
Peak SAR (extrapolated) = 0.466 W/kg
SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

Z axis plot for the worst case head configuration