APPENDIX C2: SAR DISTRIBUTION PLOTS FOR MOBILE HOTSPOT

Date/Time: 3/19/2012 4:46:50 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_mid_chan_amb_temp_23.0C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

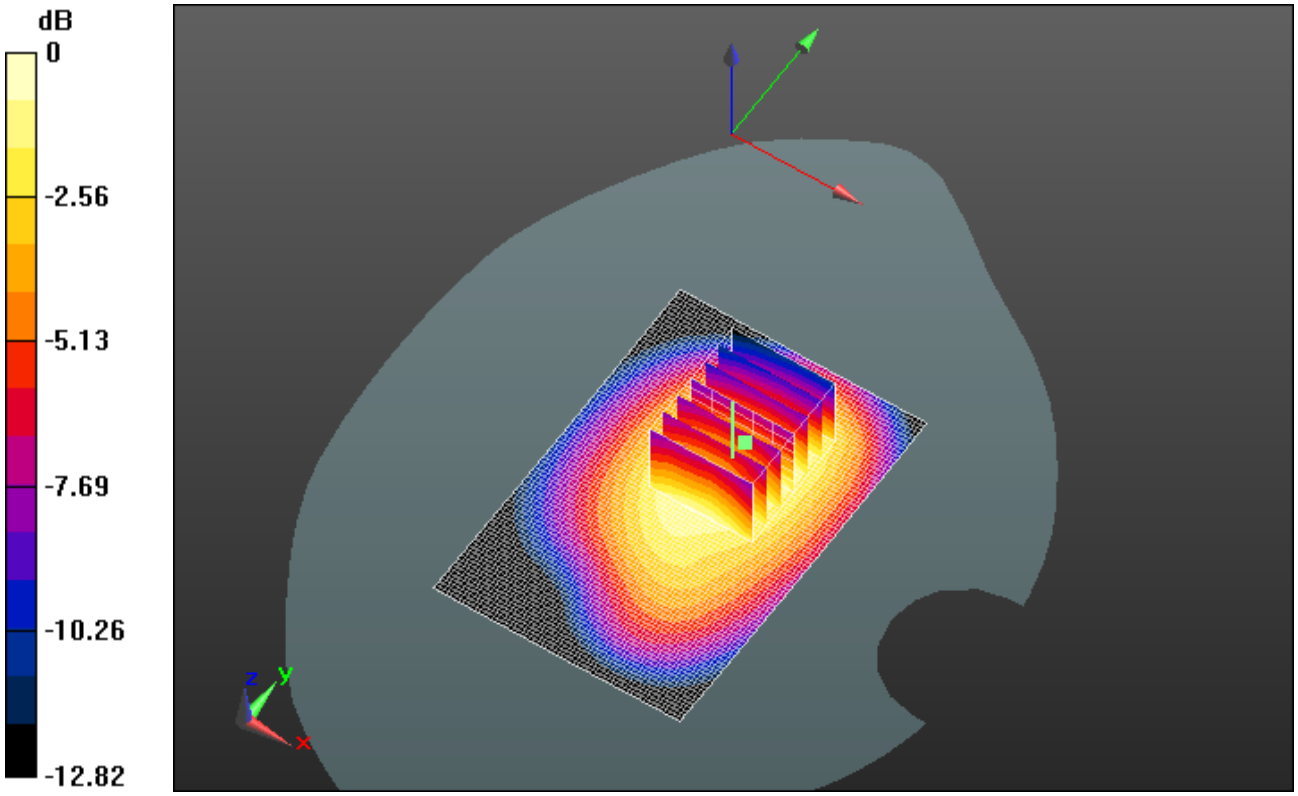
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.387 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.675 V/m; Power Drift = 0.35 dB
Peak SAR (extrapolated) = 0.4500
SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.243 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.367 mW/g



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

Date/Time: 3/19/2012 5:07:33 PM

Test Laboratory: RIM Testing Services

MHS_Front_GPRS850_mid_chan_amb_temp_23.1C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

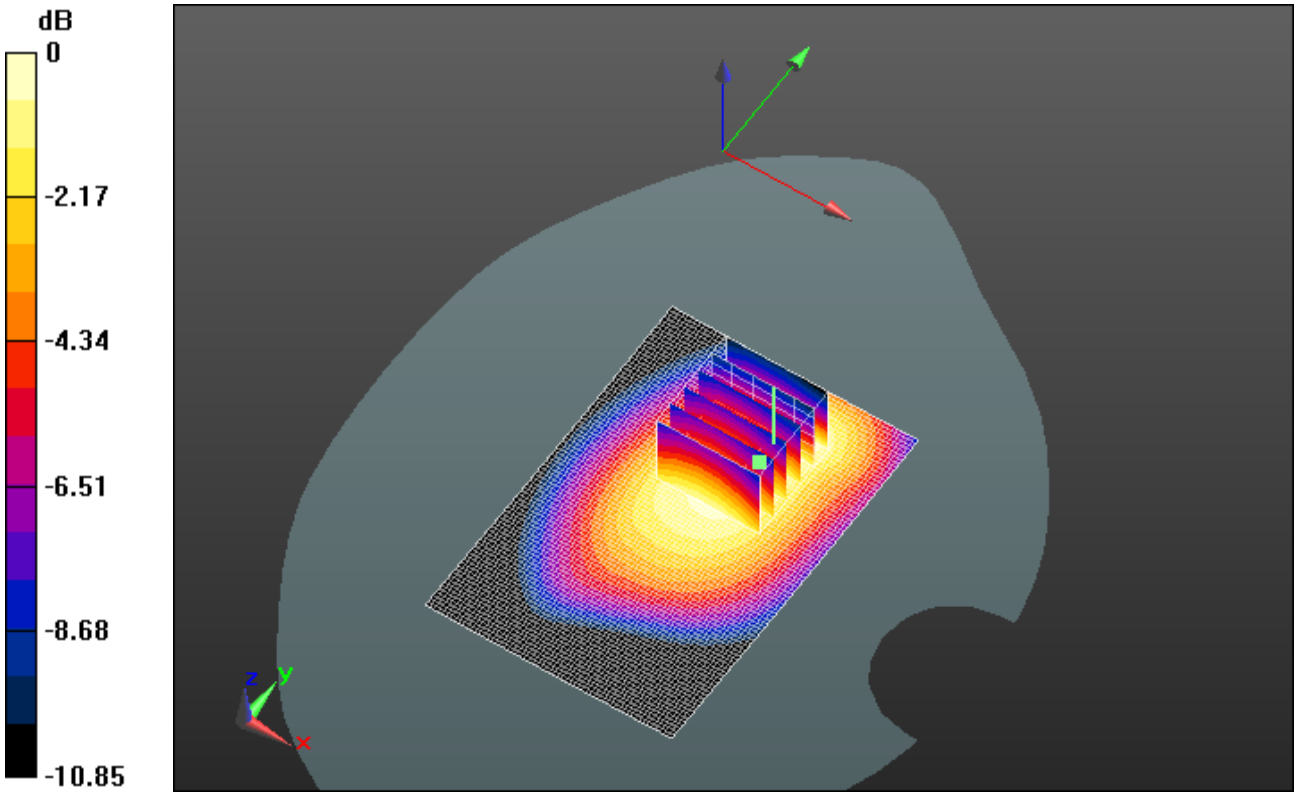
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.277 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.197 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.3410
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.172 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.271 mW/g



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

Date/Time: 3/19/2012 4:05:46 PM

Test Laboratory: RIM Testing Services

MHS_Right_GPRS850_mid_chan_amb_temp_23.0C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

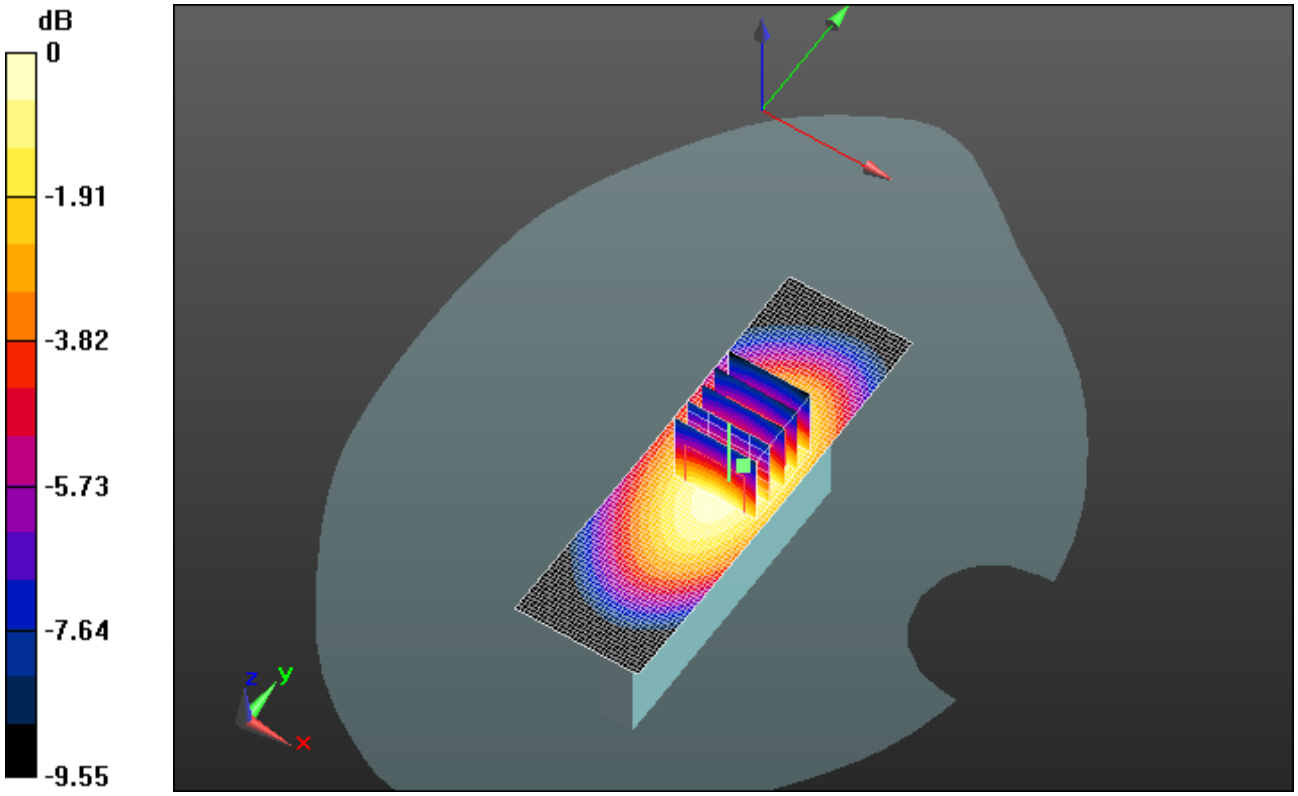
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.244 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.746 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.2910
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.148 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.240 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

Date/Time: 3/19/2012 3:47:30 PM

Test Laboratory: RIM Testing Services

MHS_Left_GPRS850_mid_chan_amb_temp_22.9C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

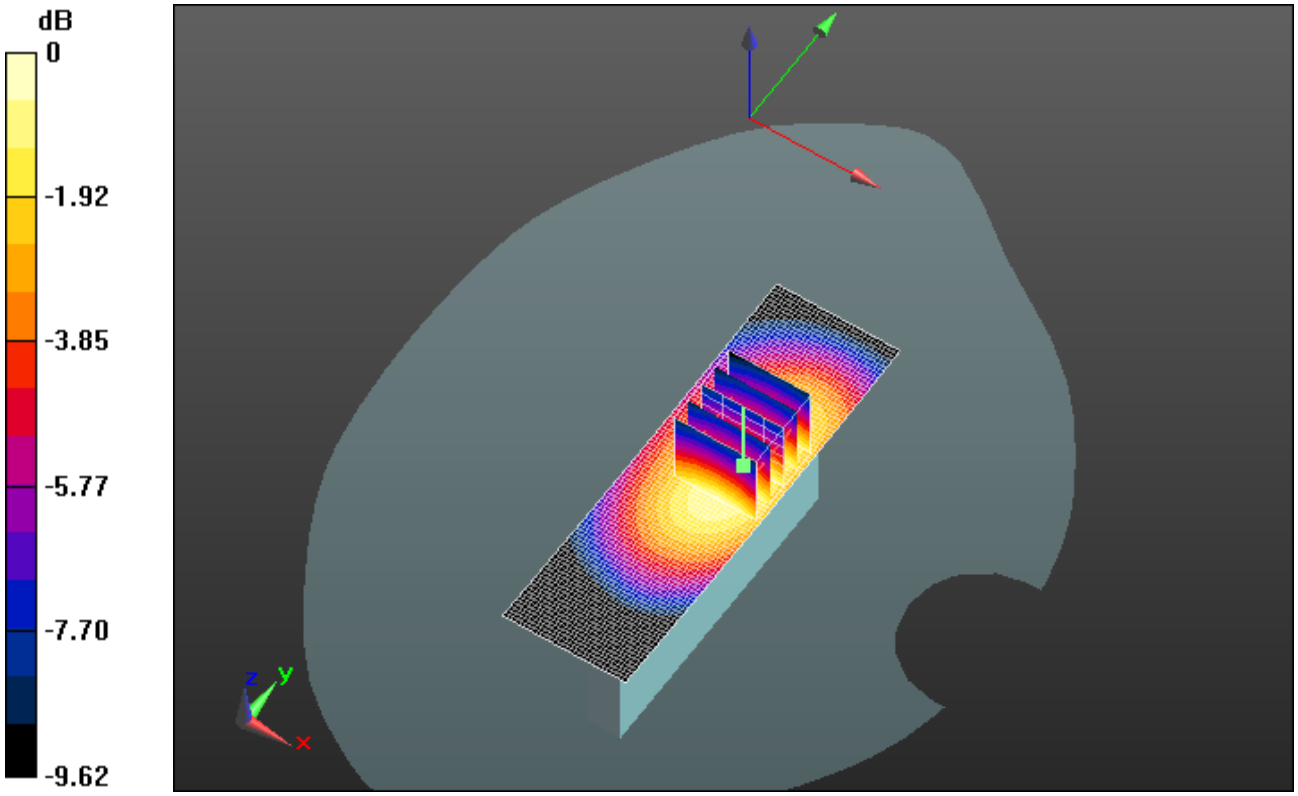
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.216 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.608 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.2800
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.142 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.230 mW/g



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

Date/Time: 3/19/2012 3:30:21 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_GPRS850_mid_chan_amb_temp_23.0C_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

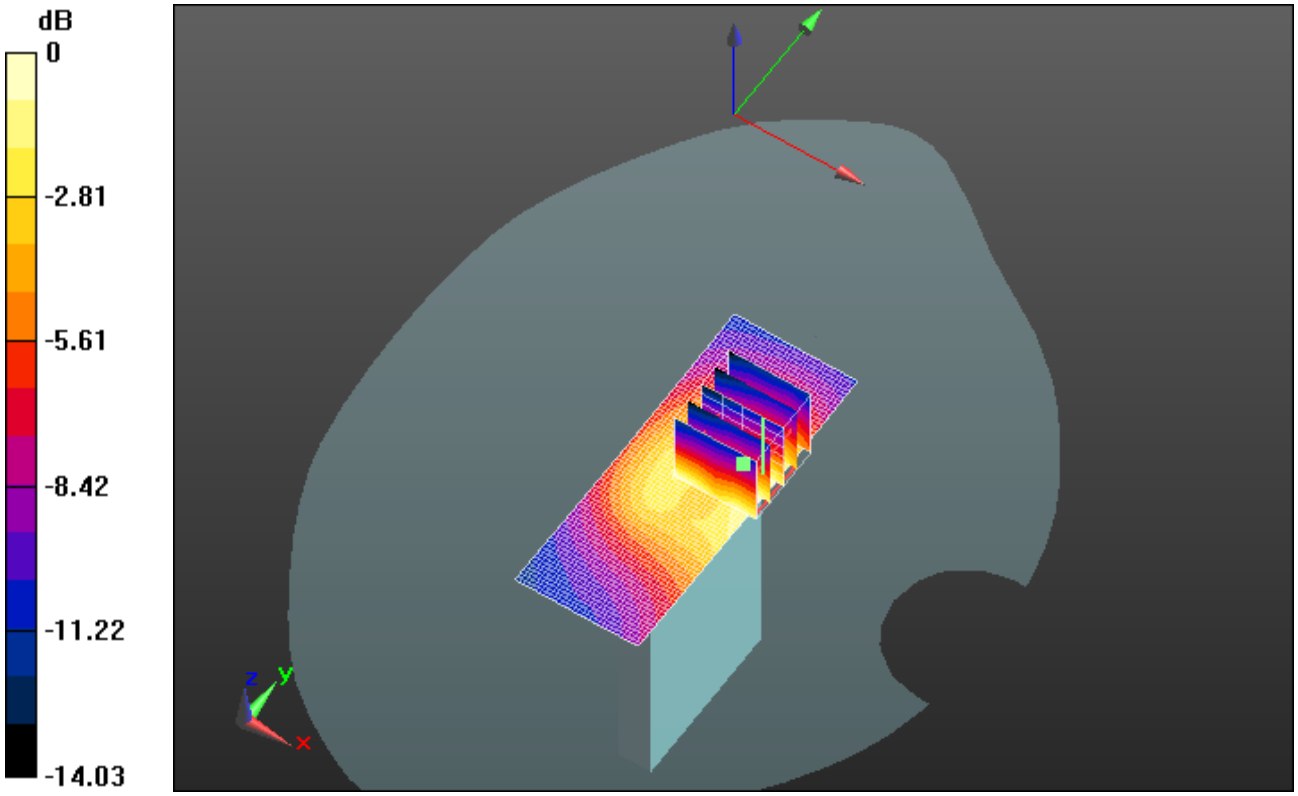
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.070 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.577 V/m; Power Drift = 0.31 dB
Peak SAR (extrapolated) = 0.1080
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.037 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.073 mW/g



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

Date/Time: 3/19/2012 5:59:04 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_3slots_mid_chan_amb_temp_22.8C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850 (3 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

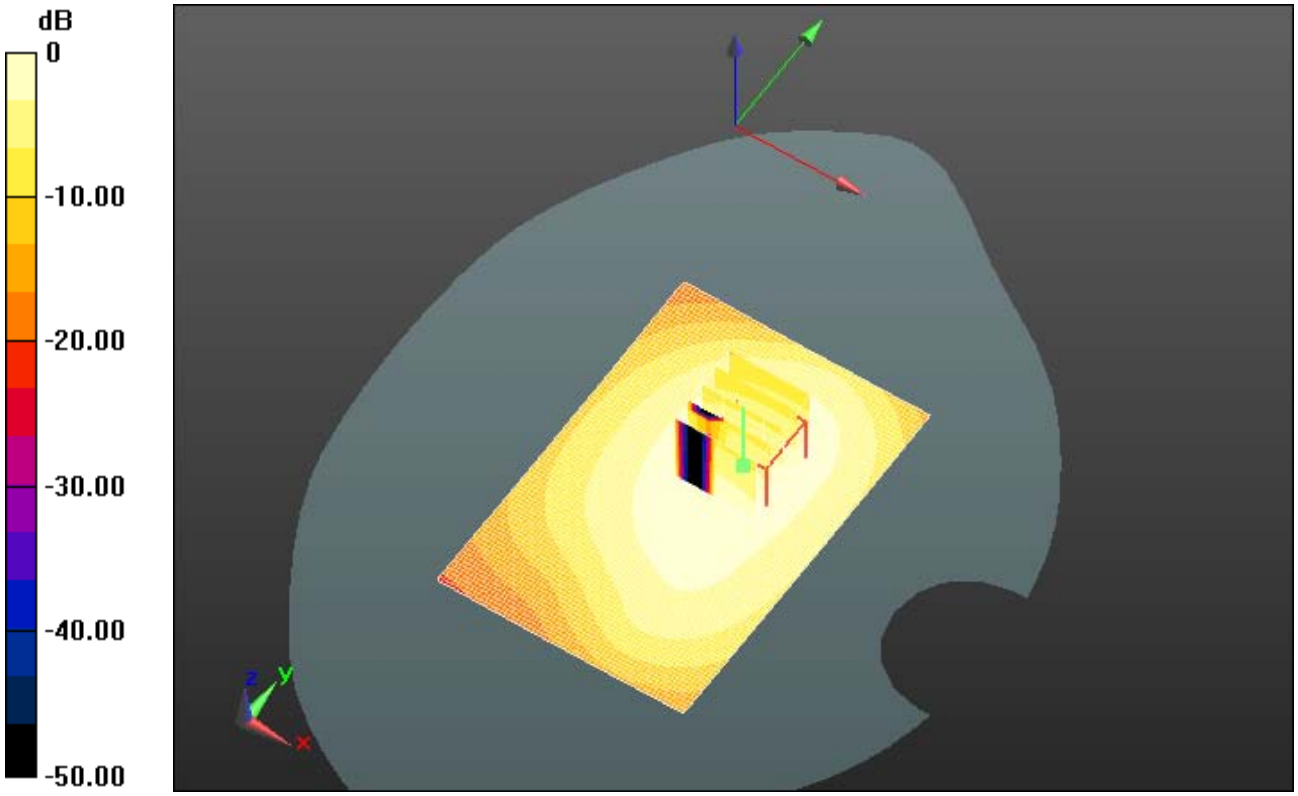
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.343 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.183 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.4890
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.213 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.335 mW/g



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

Date/Time: 3/20/2012 9:32:57 AM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_4slots_mid_chan_amb_temp_22.3C_liq_temp_21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.98 mho/m; ε_r = 55.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

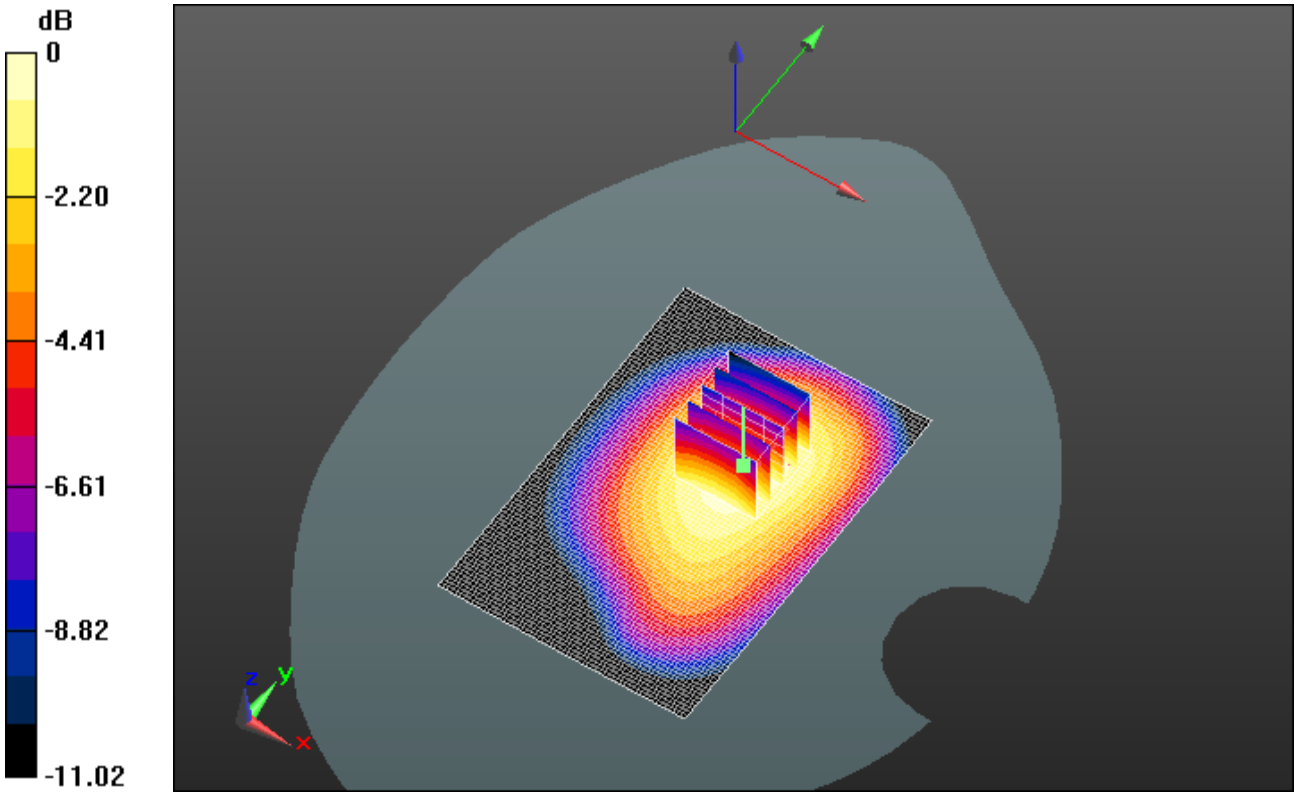
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.386 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.323 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.4660
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.253 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.393 mW/g



0 dB = 0.390mW/g = -8.18 dB mW/g

Date/Time: 4/27/2012 12:27:29 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_4slots_low_chan_amb_temp_23.2C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

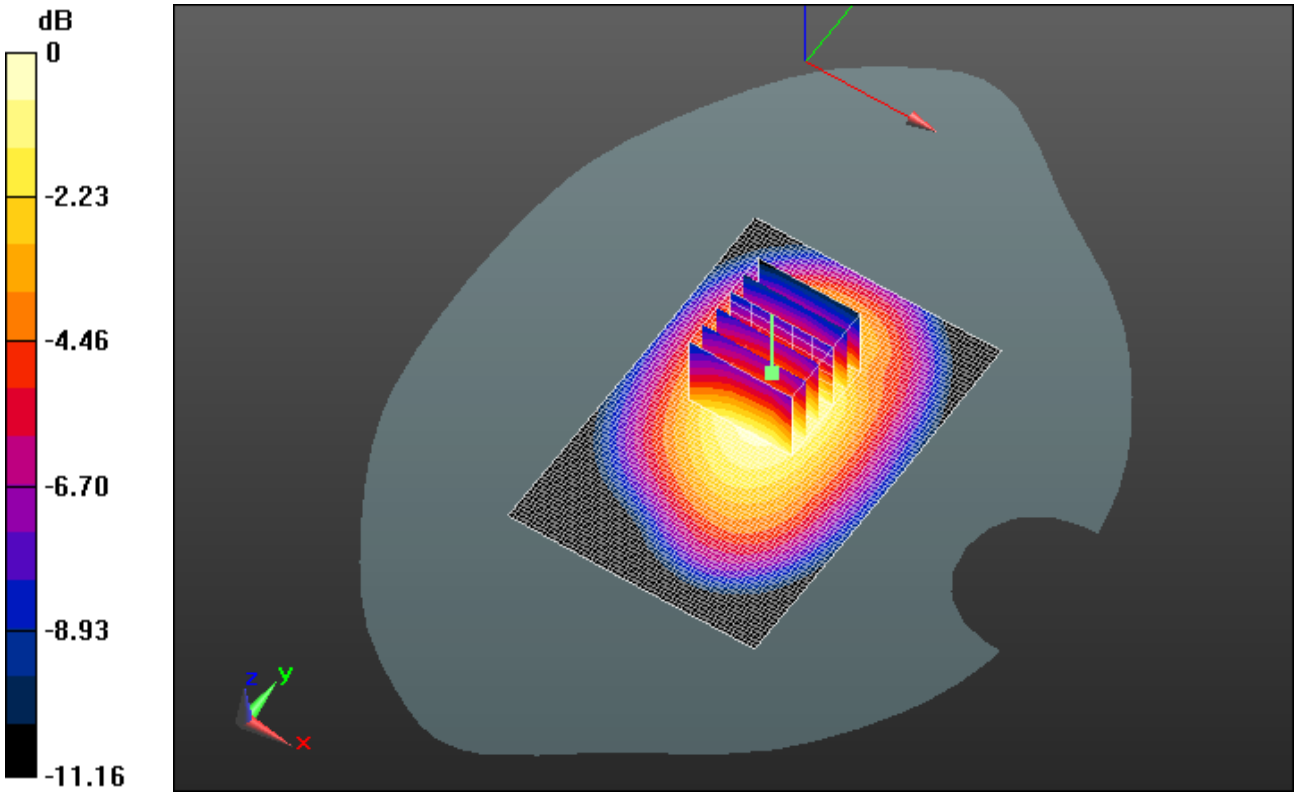
Communication System: GPRS 850 (4 slots); Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 54.477; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.766 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.542 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.8640
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.465 mW/g
Maximum value of SAR (measured) = 0.730 mW/g



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

Date/Time: 4/27/2012 11:24:57 AM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_4slots_mid_chan_amb_temp_23.2C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.983 mho/m; ε_r = 54.305; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

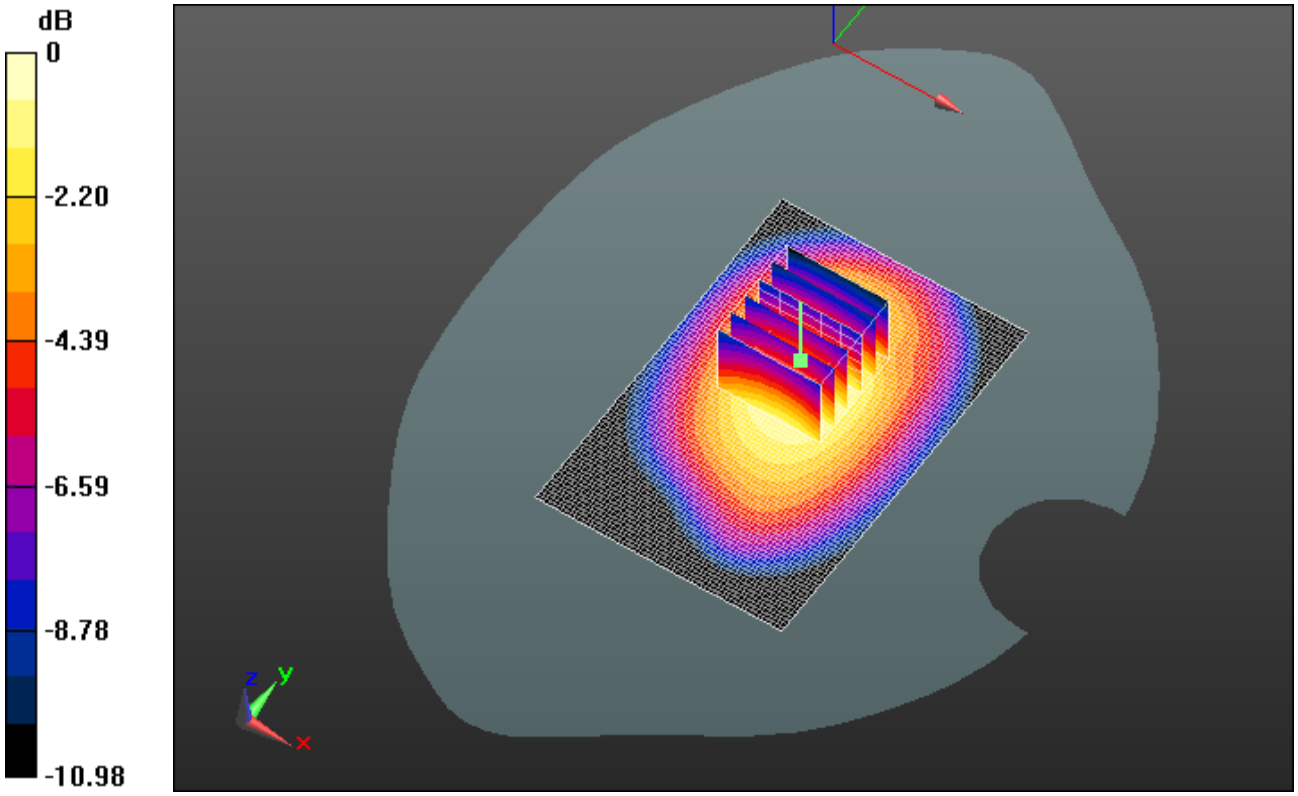
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.936 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.777 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.0870
SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.570 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.903 mW/g



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

Date/Time: 4/27/2012 12:53:58 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS850_4slots_high_chan_amb_temp_23.3C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 850 (4 slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.992 mho/m; ε_r = 54.216; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

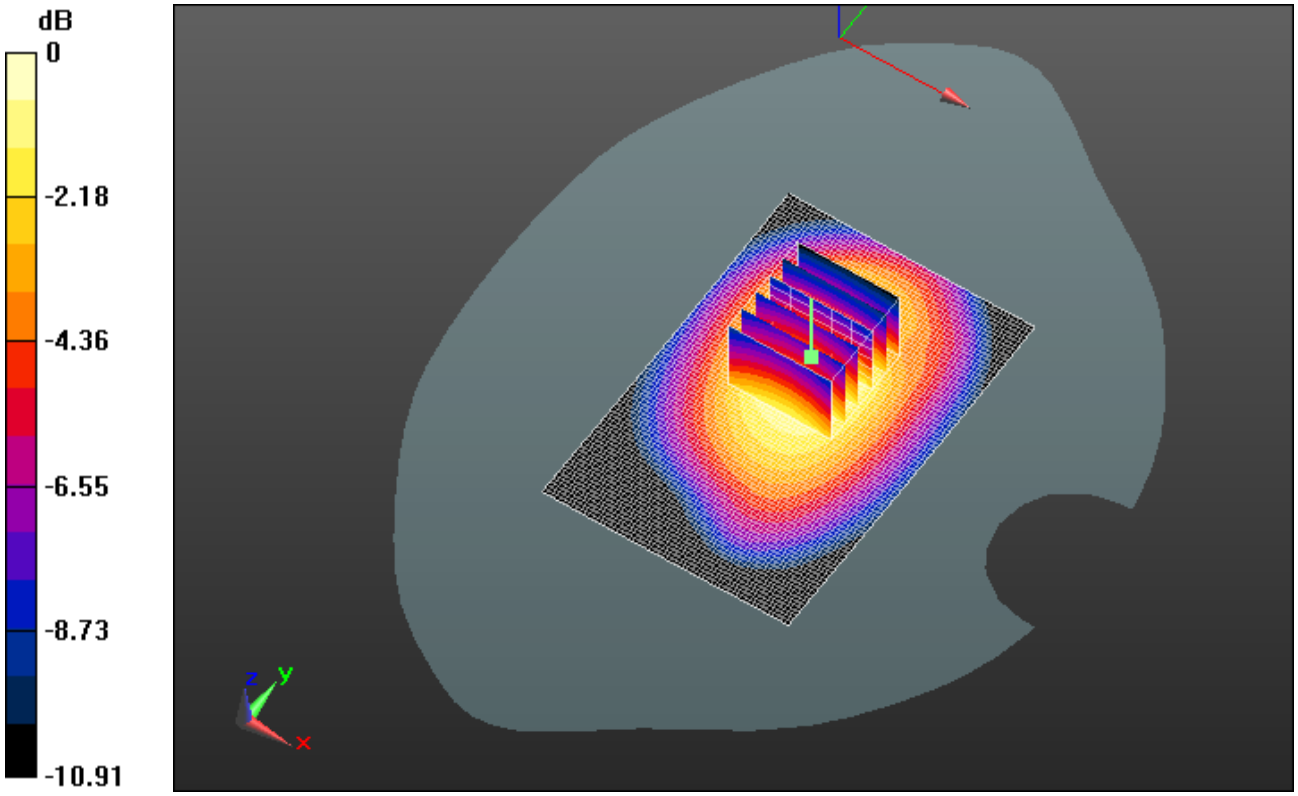
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.053 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.078 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.2160
SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.618 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.986 mW/g



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

Date/Time: 3/8/2012 1:40:27 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_IV_low_chan_amb_temp_22.7C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.505 mho/m; ε_r = 54.11; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

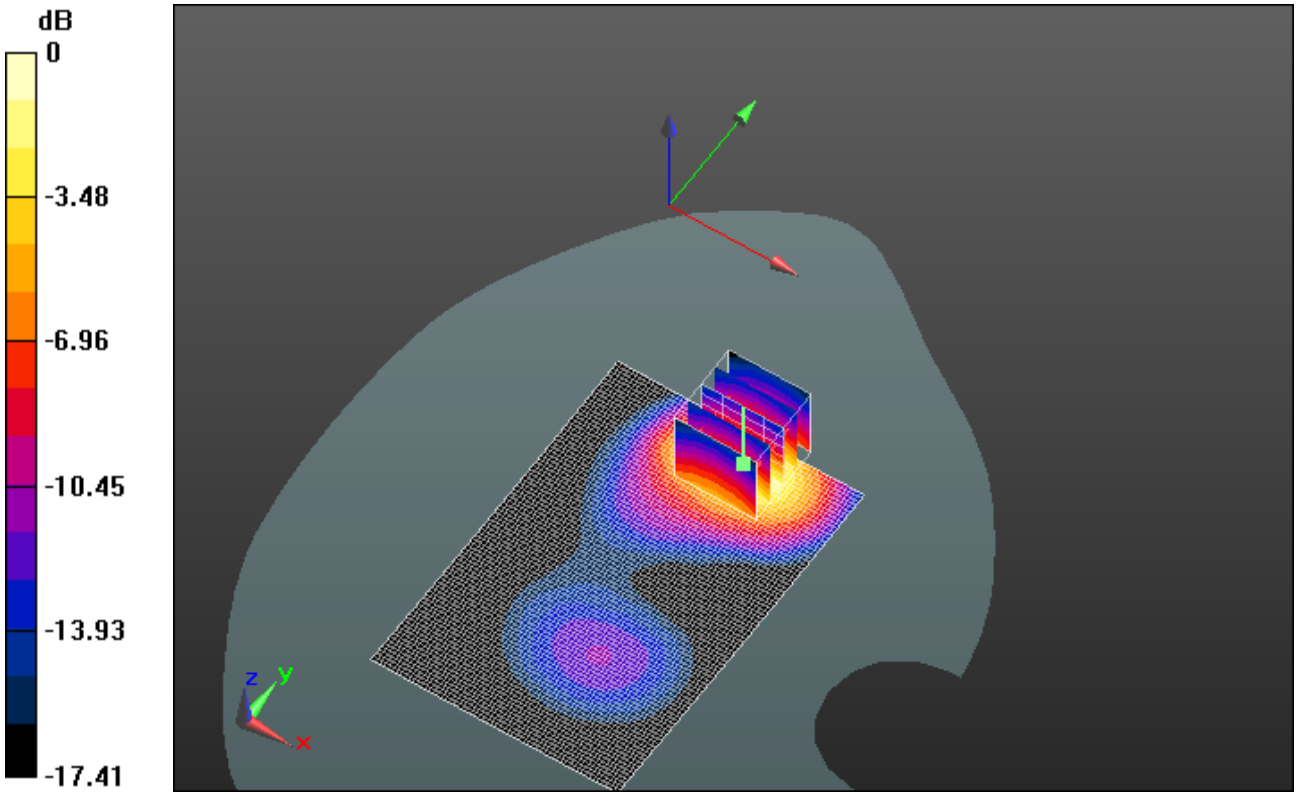
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.294 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.886 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.7860
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.545 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.288 mW/g



0 dB = 1.290mW/g = 2.21 dB mW/g

Date/Time: 3/8/2012 12:25:35 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_IV_mid_chan_amb_temp_22.5C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.528 mho/m; ε_r = 54.057; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

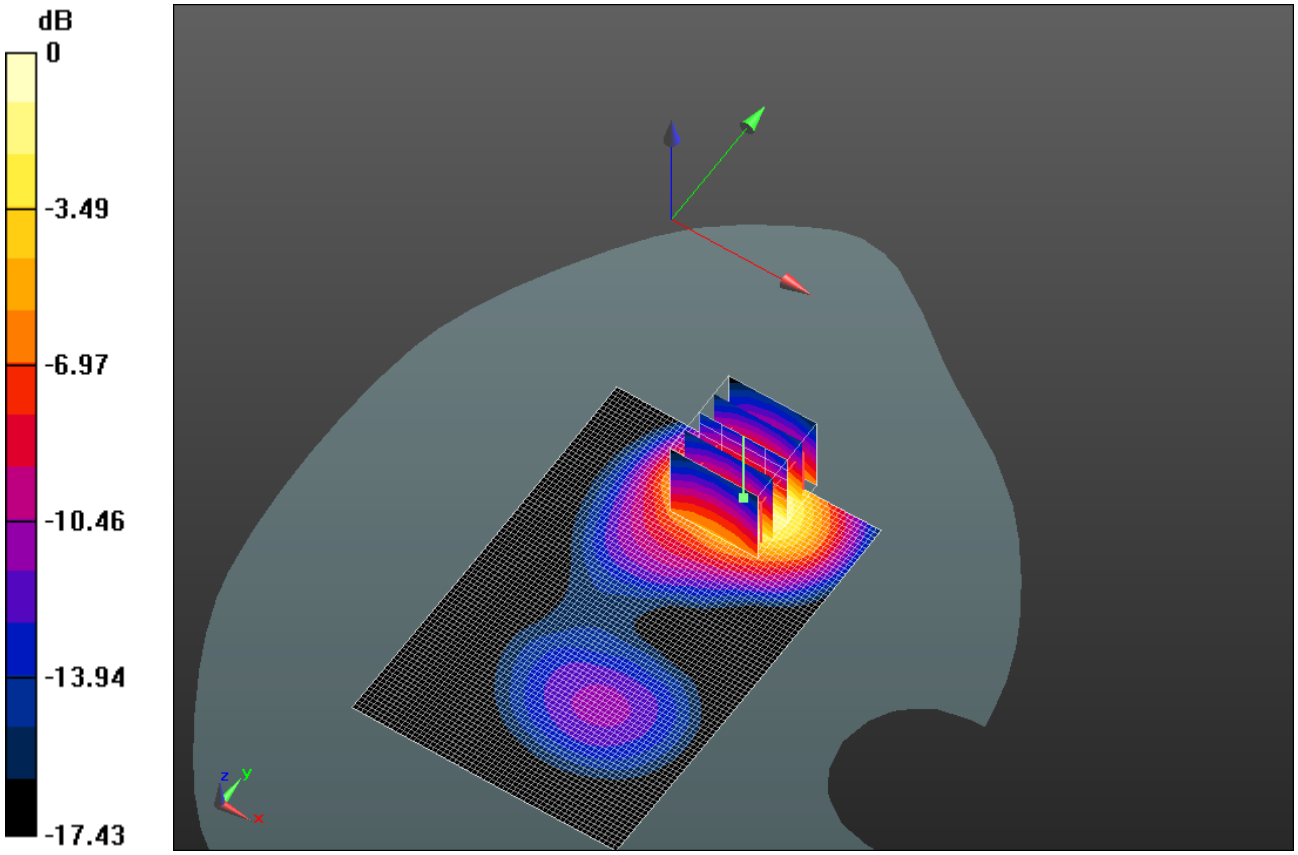
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.163 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.414 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.6300
SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.482 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.145 mW/g



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

Date/Time: 3/8/2012 1:55:57 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_IV_high_chan_amb_temp_22.6C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.546 mho/m; ε_r = 53.954; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

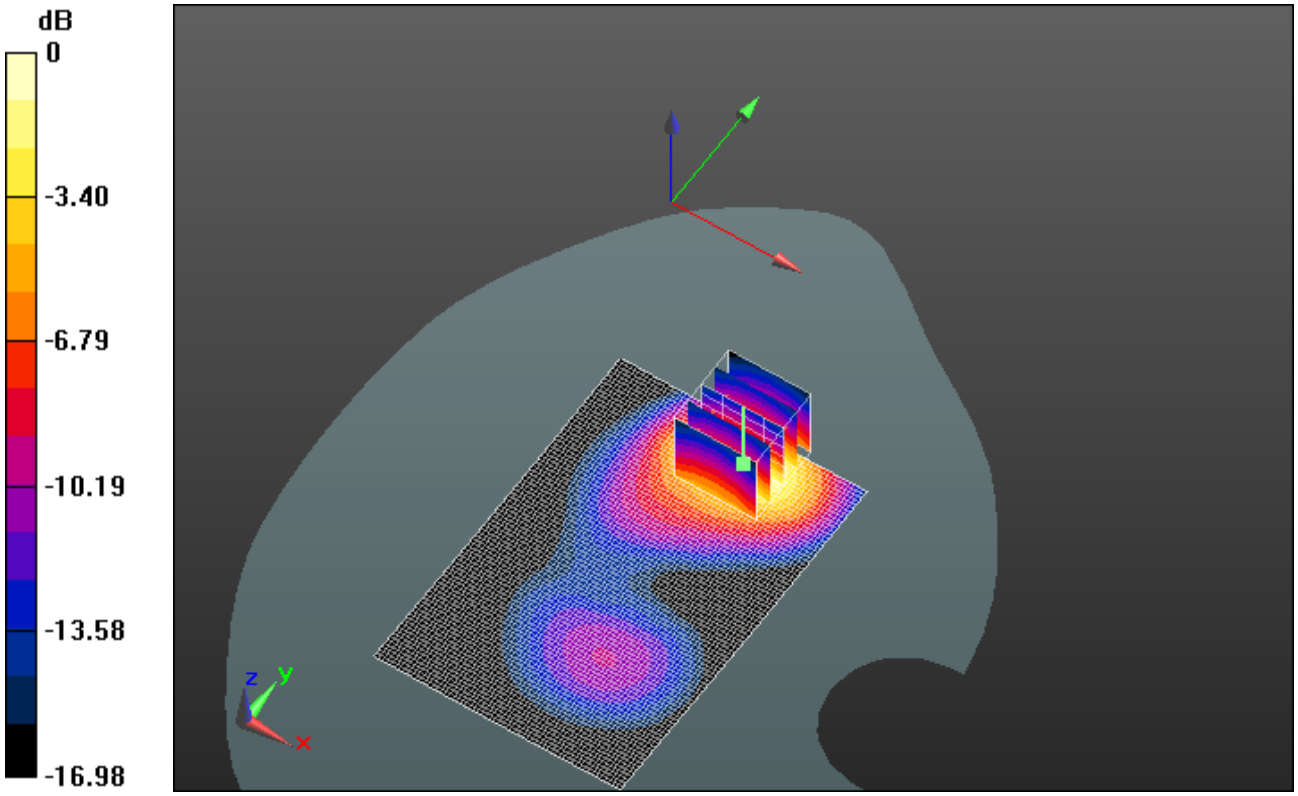
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.326 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.481 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.8110
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.556 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.291 mW/g



0 dB = 1.290mW/g = 2.21 dB mW/g

Date/Time: 3/8/2012 2:19:14 PM

Test Laboratory: RIM Testing Services

MHS_Front_UMTS_Band_IV_mid_chan_amb_temp_22.6C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.528 mho/m; ε_r = 54.057; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

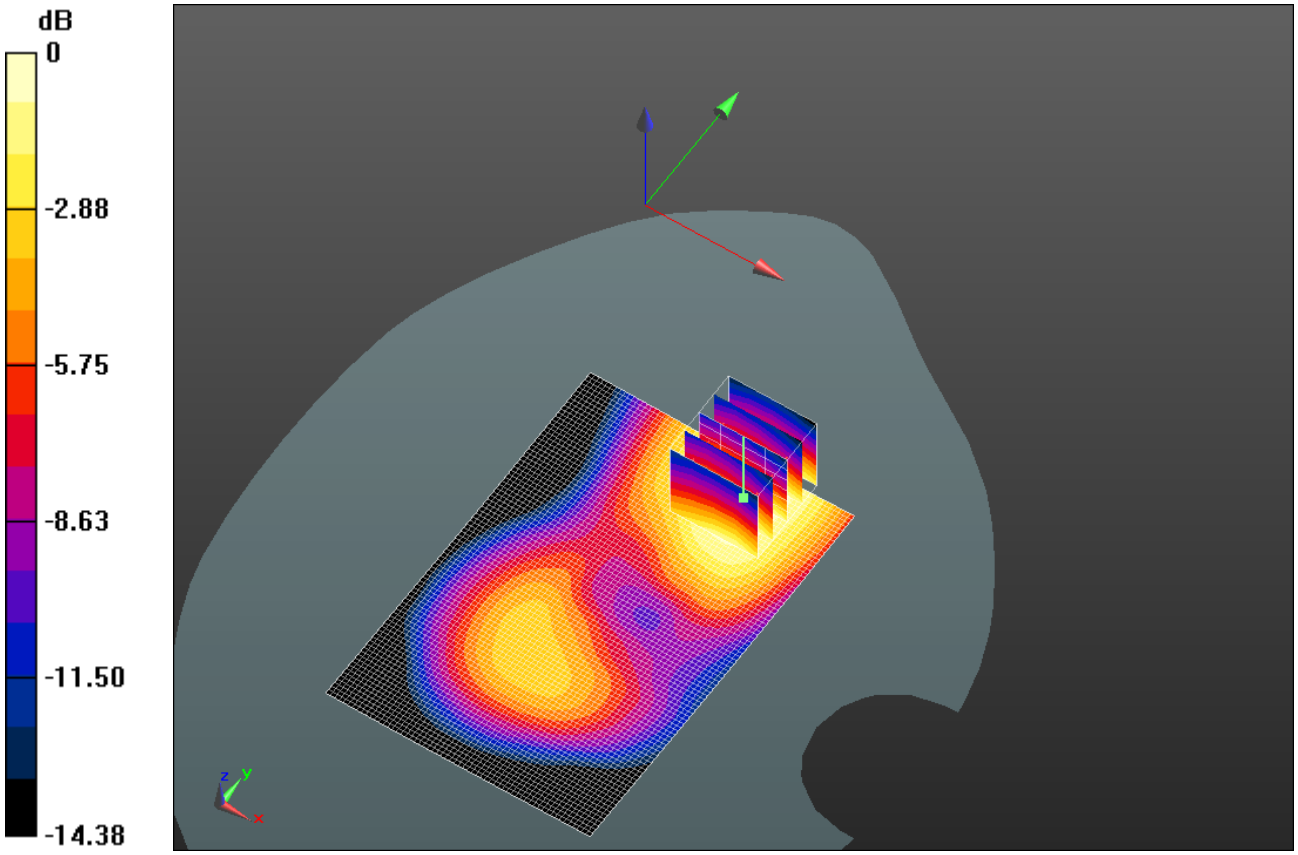
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.178 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.885 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2230
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.094 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.171 mW/g



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

Date/Time: 3/8/2012 3:20:09 PM

Test Laboratory: RIM Testing Services

MHS_Right_UMTS_Band_IV_mid_chan_amb_temp_22.7C_liq_temp_20.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.528 mho/m; ε_r = 54.057; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

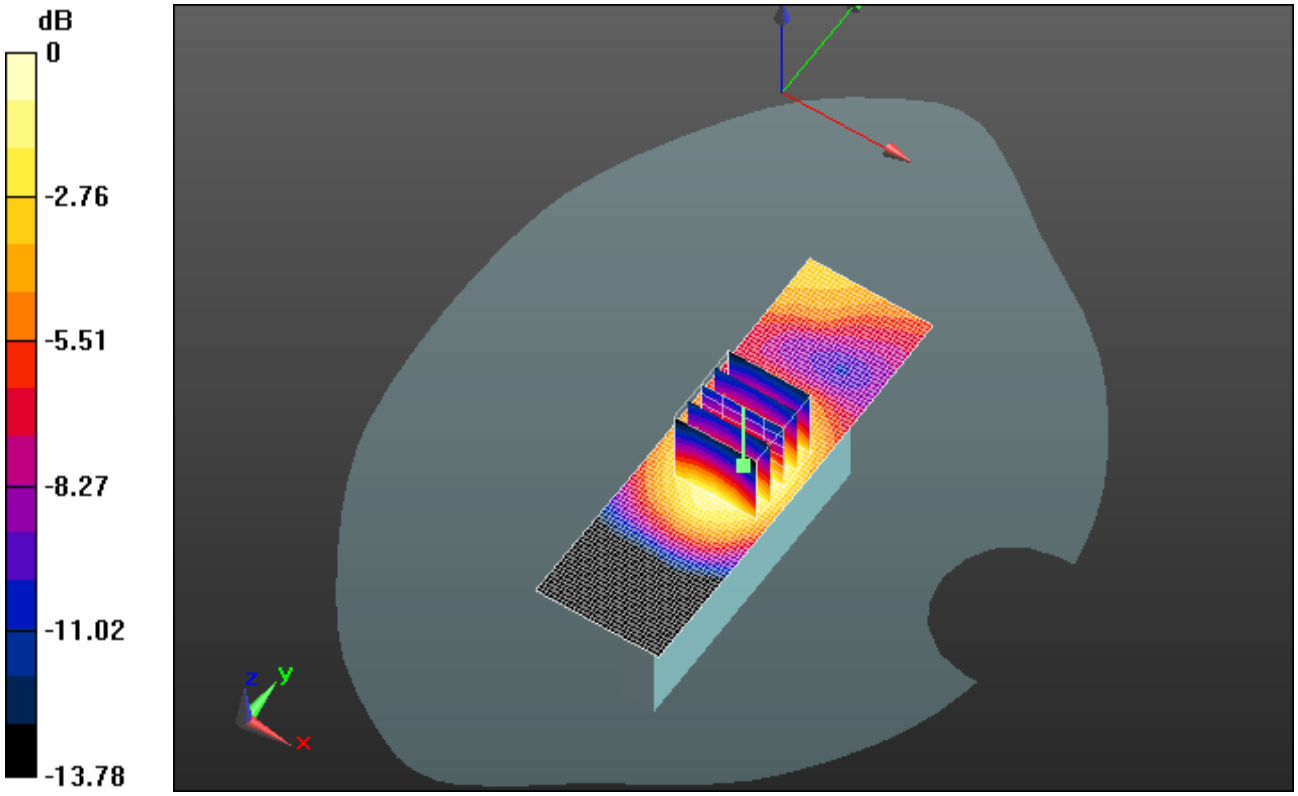
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.052 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.104 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0670
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.051 mW/g



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

Date/Time: 3/8/2012 3:00:33 PM

Test Laboratory: RIM Testing Services

MHS_Left_UMTS_Band_IV_mid_chan_amb_temp_22.7C_liq_temp_20.8 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.528 mho/m; ε_r = 54.057; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

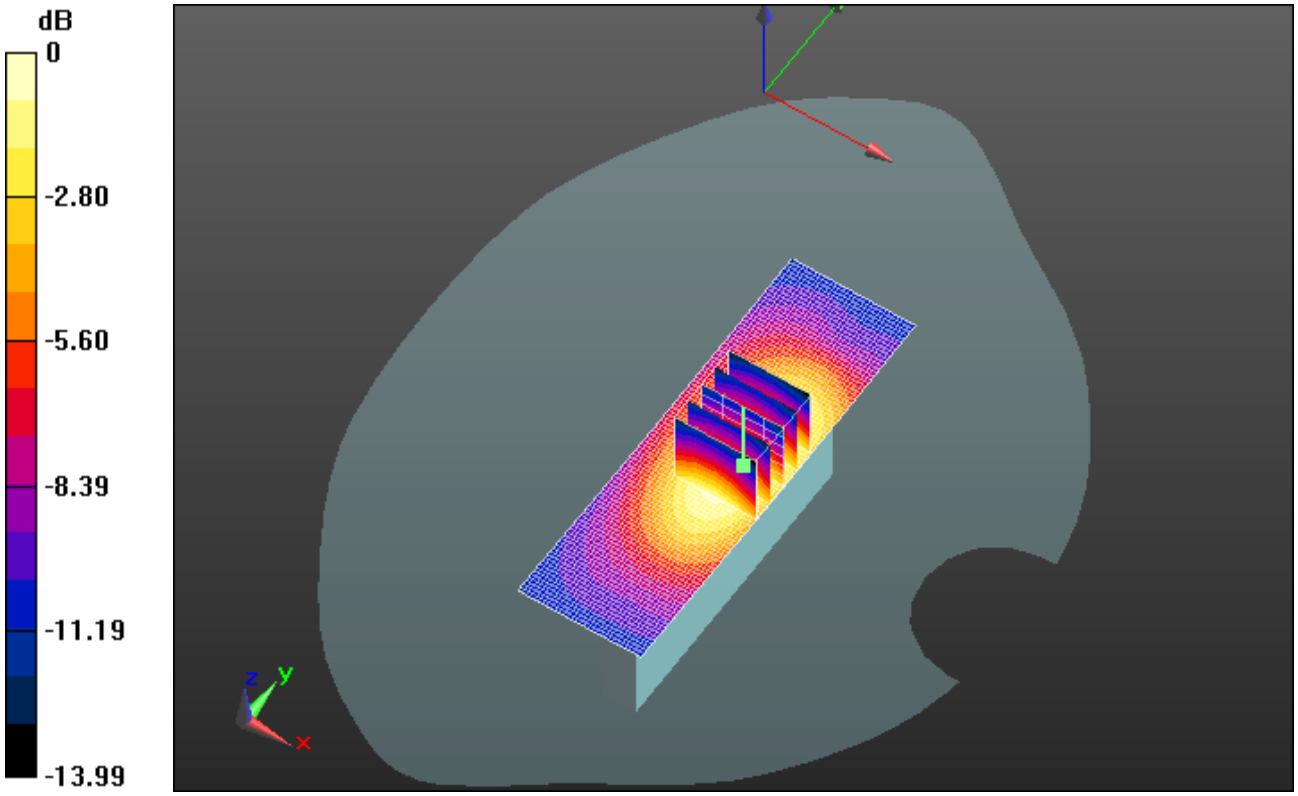
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.160 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.991 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.2040
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.083 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.158 mW/g



0 dB = 0.160mW/g = -15.92 dB mW/g

Date/Time: 3/8/2012 2:41:41 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_IV_mid_chan_amb_temp_22.7C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.528 mho/m; ε_r = 54.057; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

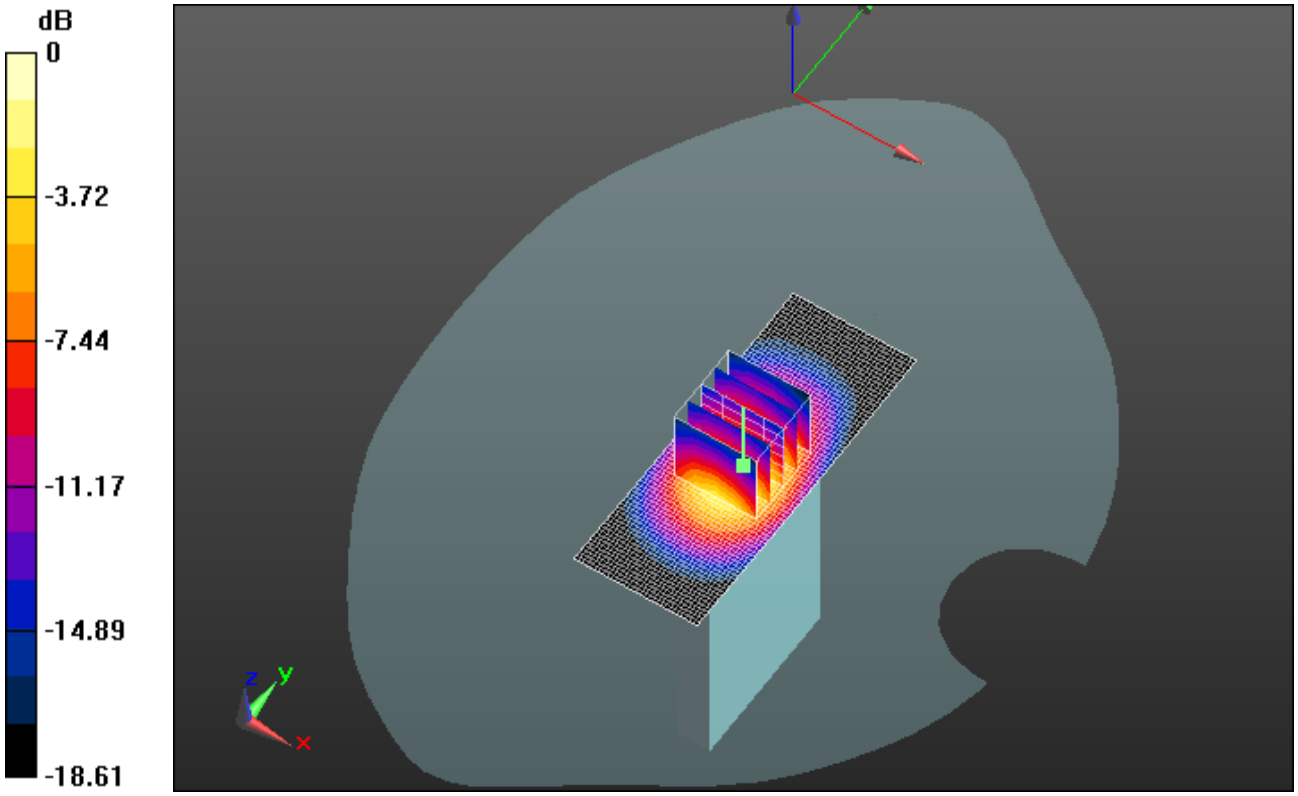
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.028 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.9770
SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.275 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.693 mW/g



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

Date/Time: 4/25/2012 1:00:22 AM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_IV_high_chan_amb_temp_23.2C_liq_temp_21.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.505 mho/m; ε_r = 51.835; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

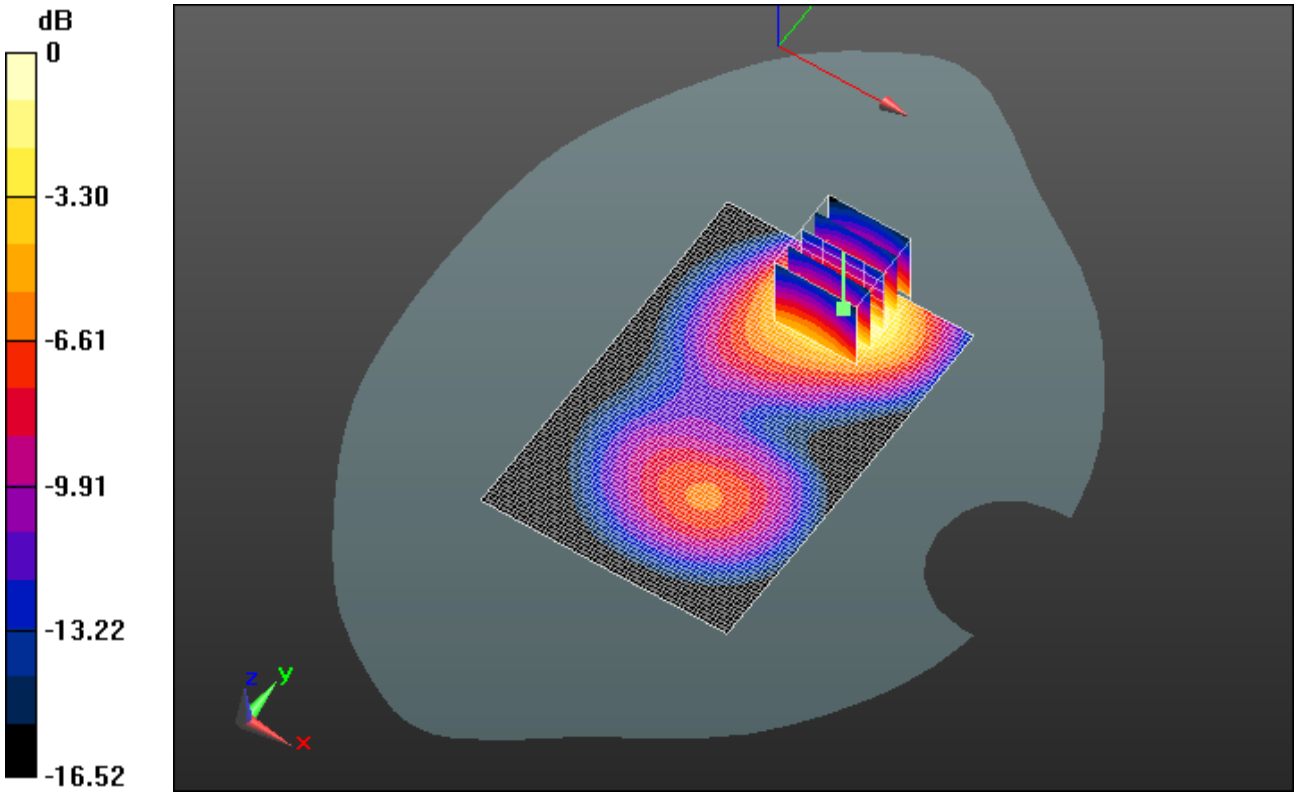
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.205 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.049 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.5980
SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.520 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.159 mW/g



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

Date/Time: 3/27/2012 5:04:19 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS_1900_mid_chan_amb_temp_23.8C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

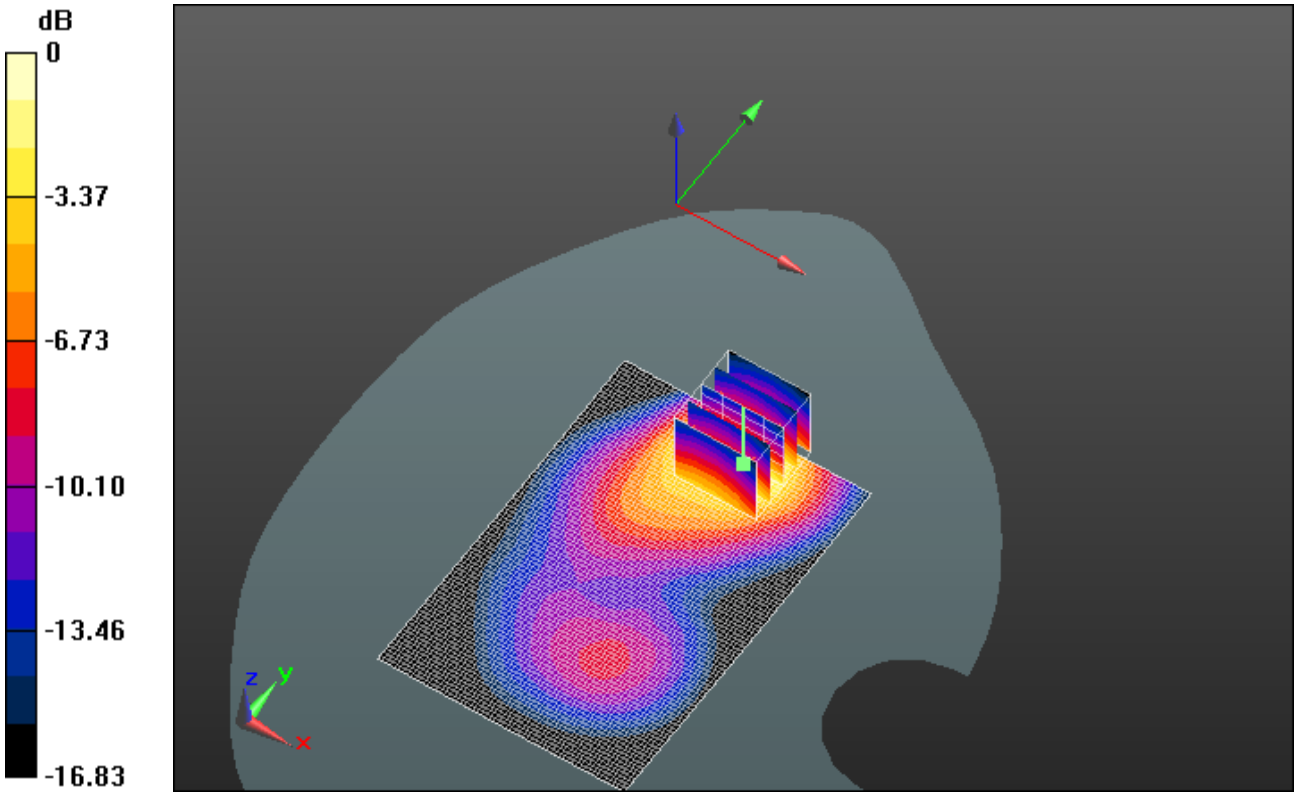
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.885 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.025 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.2630
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 0.896 mW/g



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

Date/Time: 3/27/2012 5:20:05 PM

Test Laboratory: RIM Testing Services

MHS_Front_GPRS_1900_mid_chan_amb_temp_23.7C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

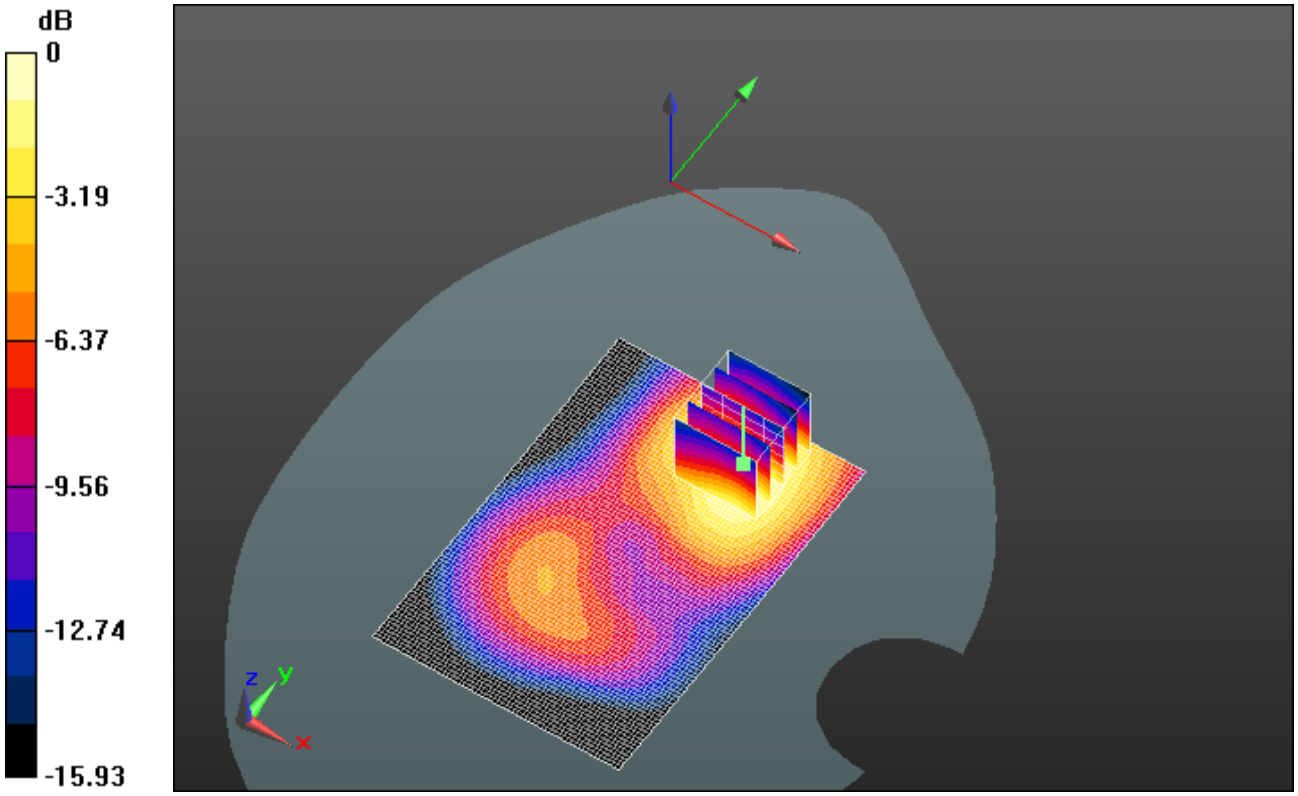
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.408 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.536 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.5310
SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.200 mW/g
Maximum value of SAR (measured) = 0.399 mW/g



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

Date/Time: 3/27/2012 4:46:38 PM

Test Laboratory: RIM Testing Services

MHS_Right_GPRS_1900_mid_chan_amb_temp_23.8C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

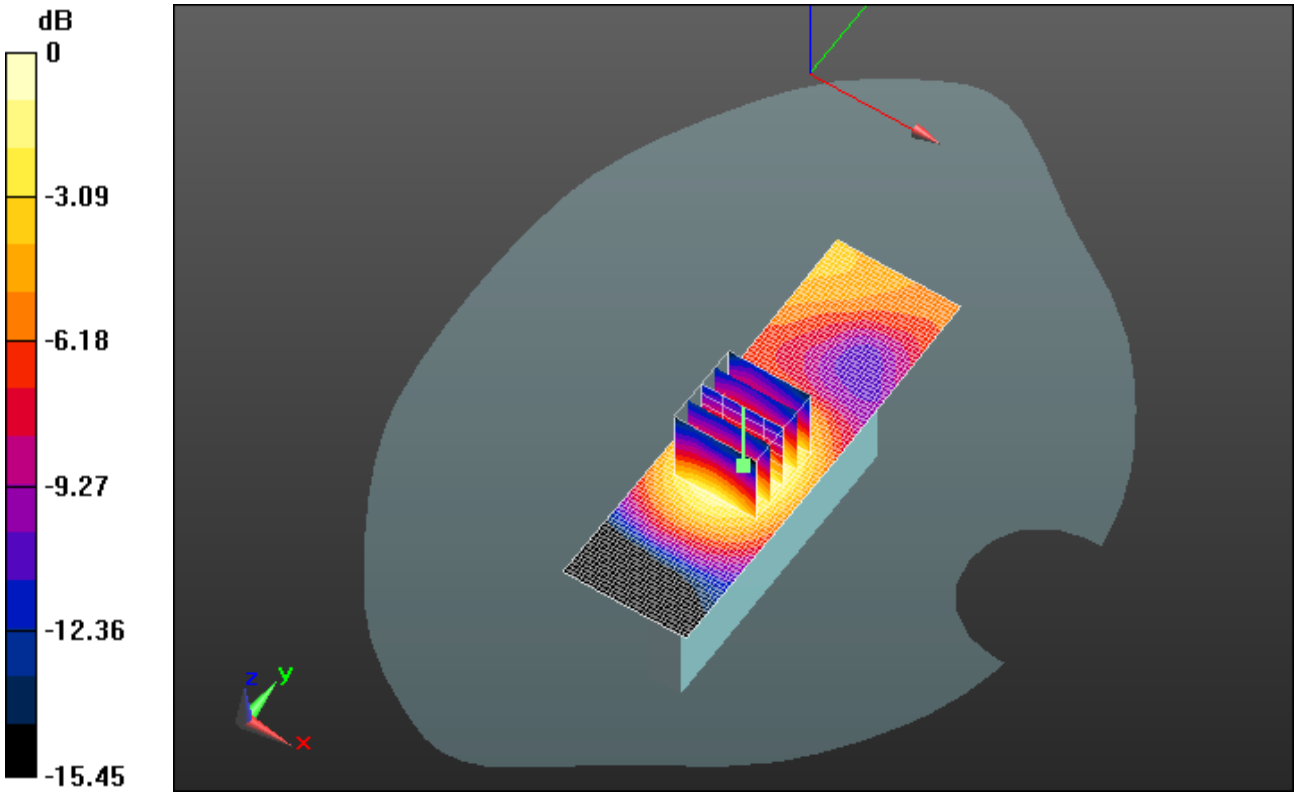
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.060 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.045 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0790
SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.060 mW/g



0 dB = 0.060mW/g = -24.44 dB mW/g

Date/Time: 3/27/2012 4:28:41 PM

Test Laboratory: RIM Testing Services

MHS_Left_GPRS_1900_mid_chan_amb_temp_24.0C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

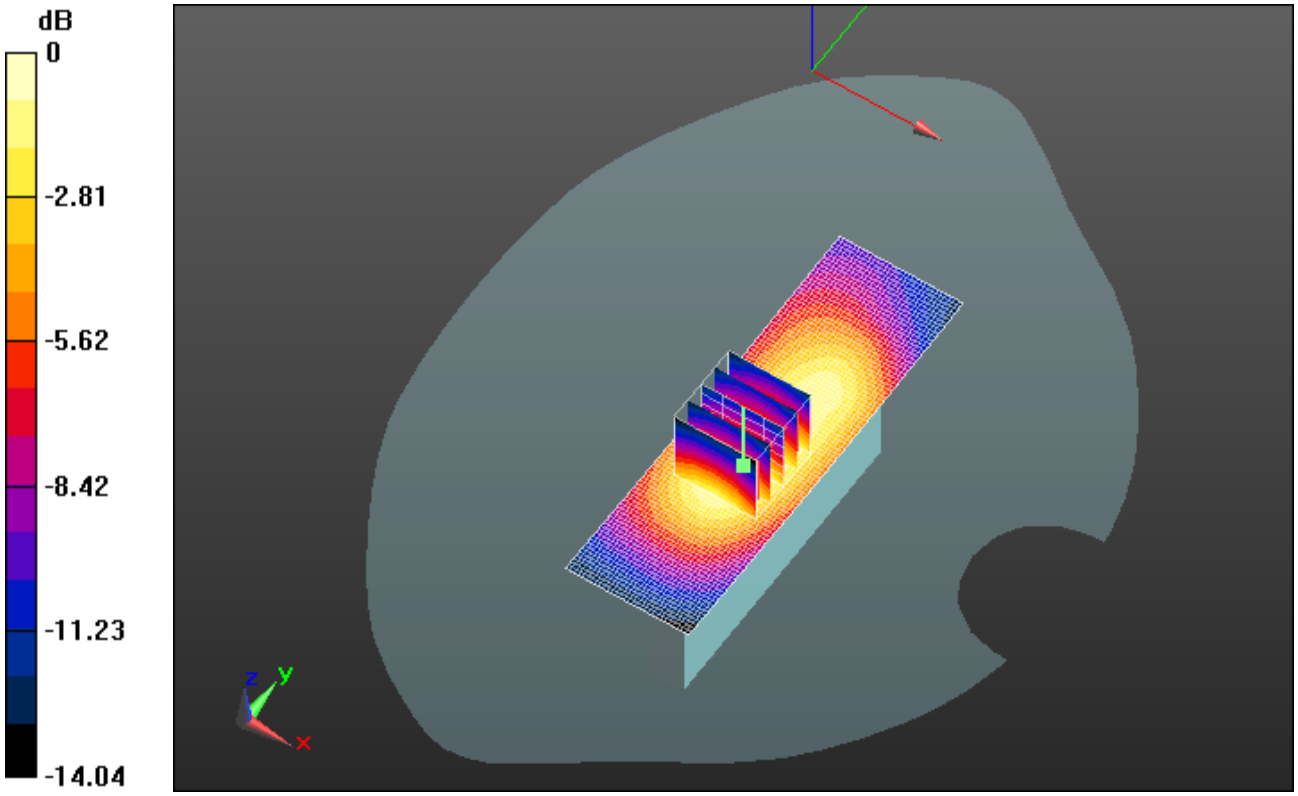
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.221 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.134 V/m; Power Drift = 0.0021 dB
Peak SAR (extrapolated) = 0.2840
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.220 mW/g



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

Date/Time: 3/27/2012 4:13:36 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_GPRS_1900_mid_chan_amb_temp_24.0C_liq_temp_21.5 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

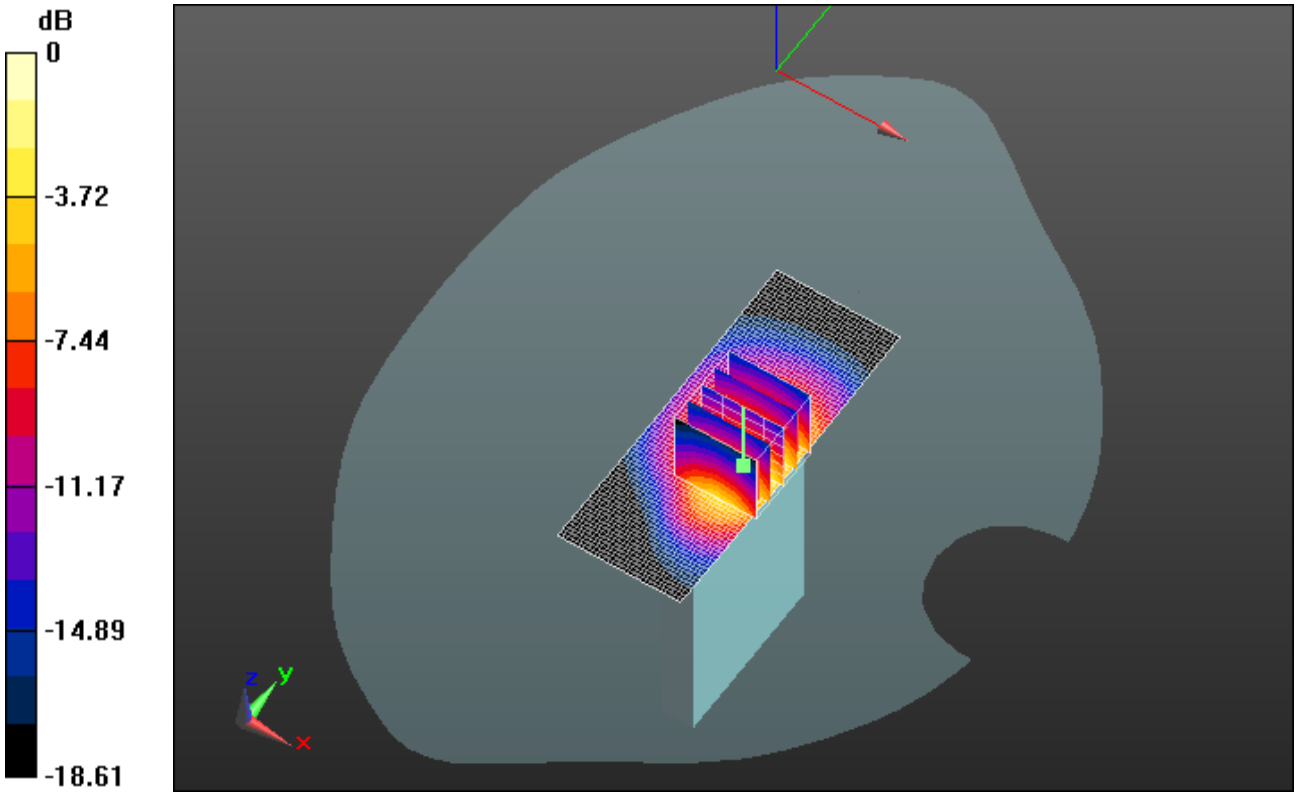
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.714 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.679 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.9420
SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.663 mW/g



0 dB = 0.660mW/g = -3.61 dB mW/g

Date/Time: 3/28/2012 11:31:47 AM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS_1900_3slots_mid_chan_amb_temp_23.7C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

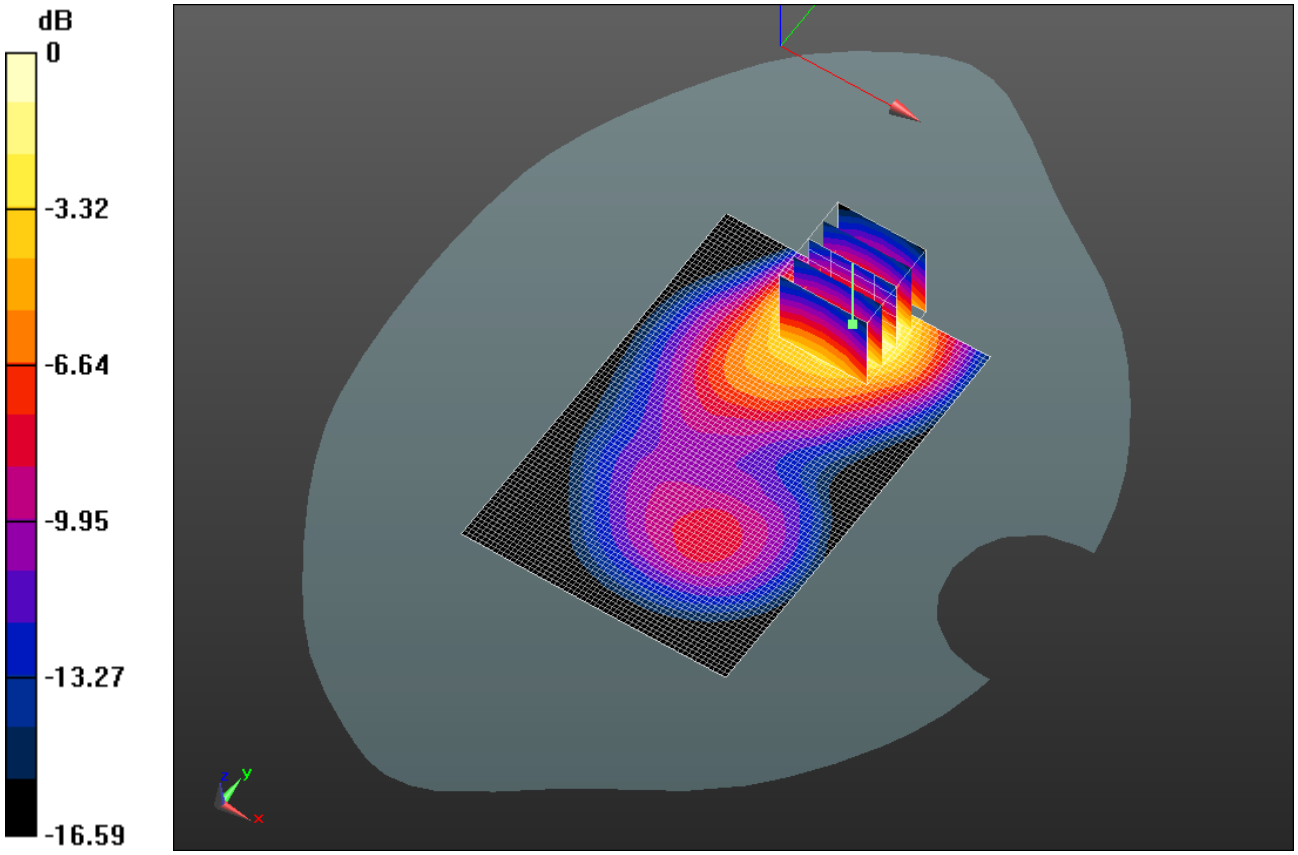
Communication System: GPRS 1900 (3-slots); Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 52.499; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.820 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.197 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.1170
SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.354 mW/g
Maximum value of SAR (measured) = 0.793 mW/g



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

Date/Time: 3/28/2012 11:49:00 AM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS_1900_4slots_mid_chan_amb_temp_23.6C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

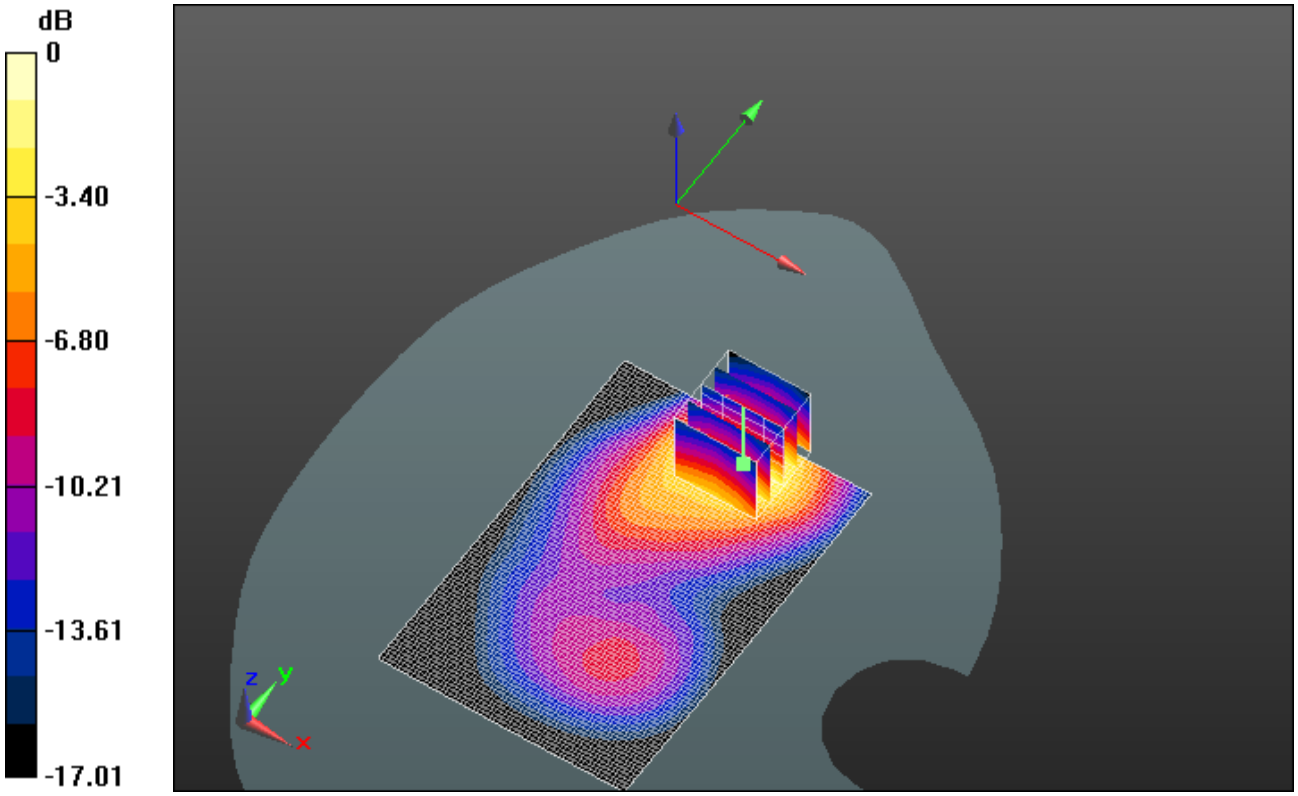
Communication System: GPRS 1900 (4-slots); Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 52.499; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.838 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.335 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.2540
SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.395 mW/g
Maximum value of SAR (measured) = 0.913 mW/g



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

Date/Time: 4/20/2012 3:51:59 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS1900_mid_chan_amb_temp_22.5C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

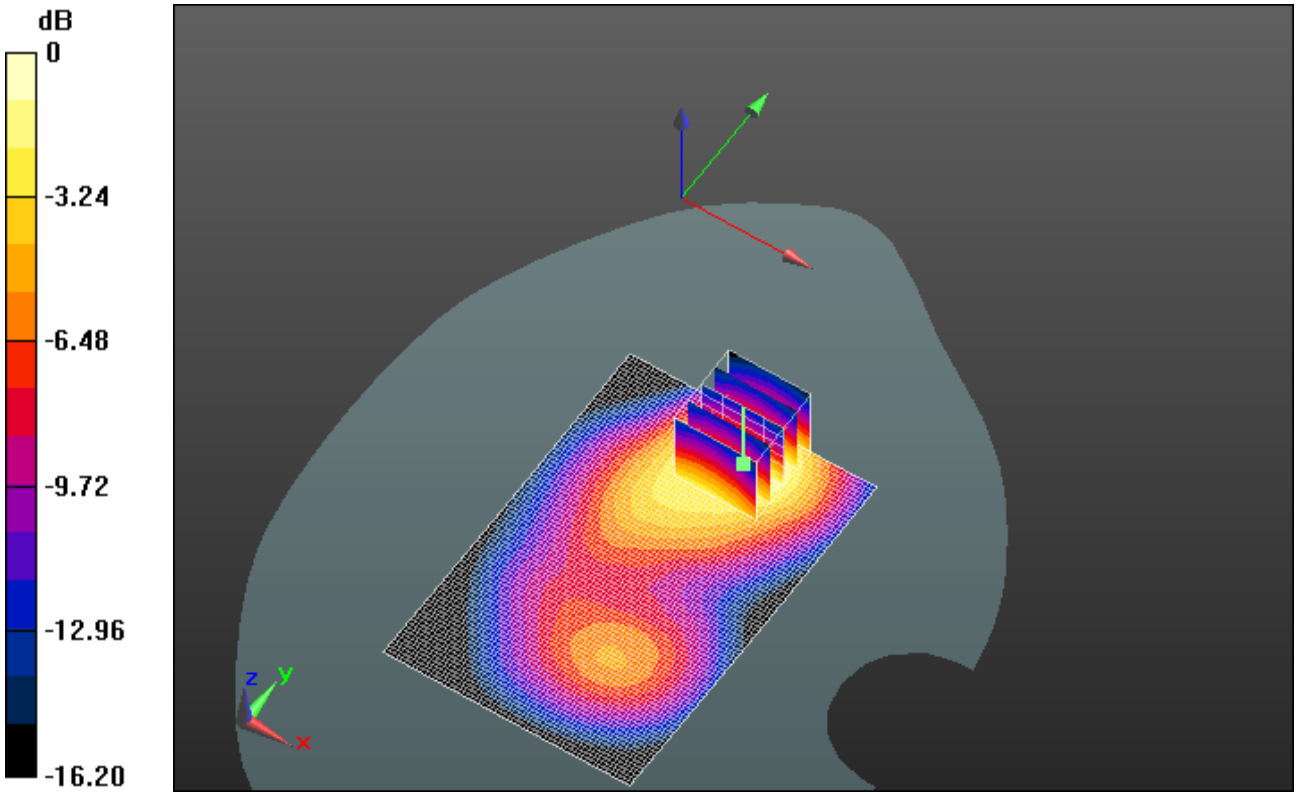
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.531 mho/m; ε_r = 51.891; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.783 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.327 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.0360
SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.350 mW/g
Maximum value of SAR (measured) = 0.732 mW/g



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

Date/Time: 4/20/2012 3:07:16 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_GPRS1900_mid_chan_amb_temp_22.9C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

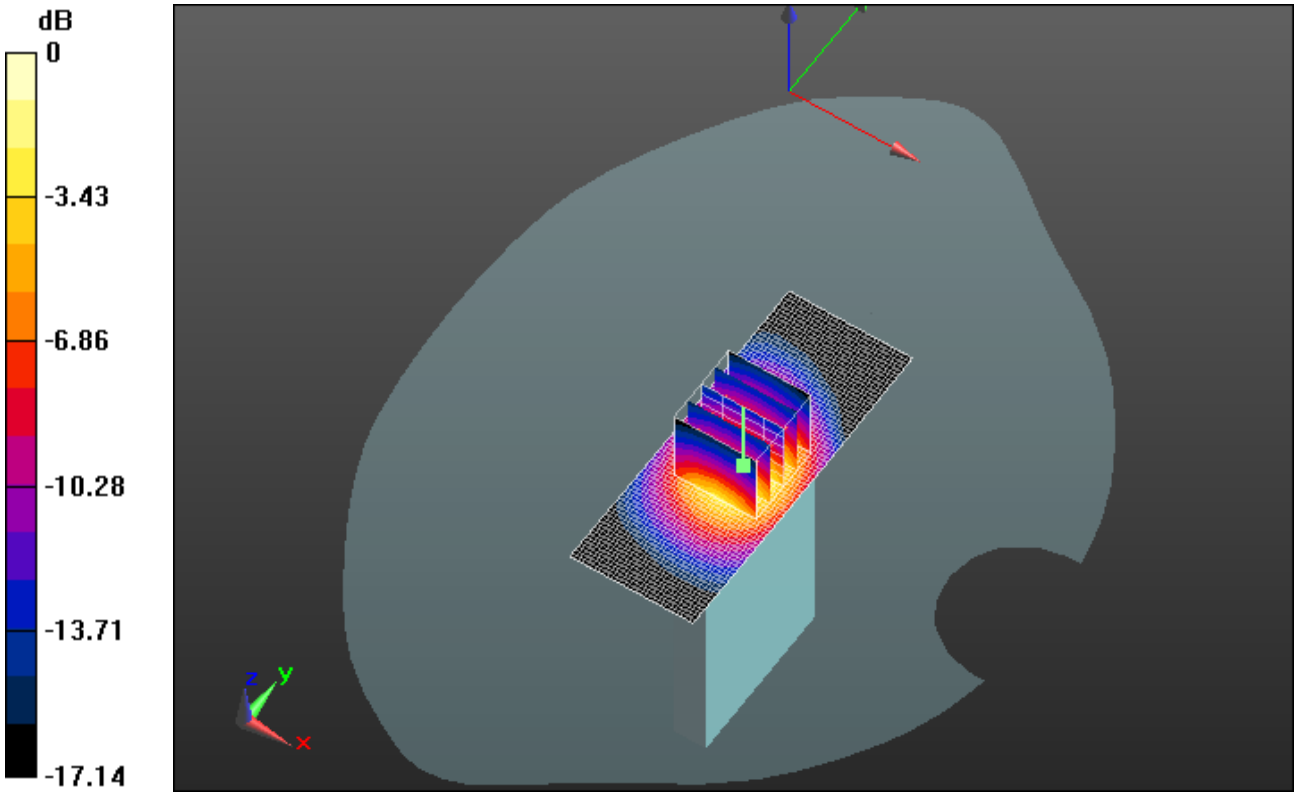
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.531 mho/m; ε_r = 51.891; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.894 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.015 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.2740
SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 0.900 mW/g



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

Date/Time: 3/27/2012 12:10:09 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_low_chan_amb_temp_24.0C_liq_temp_21.8 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.506 mho/m; ε_r = 52.837; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

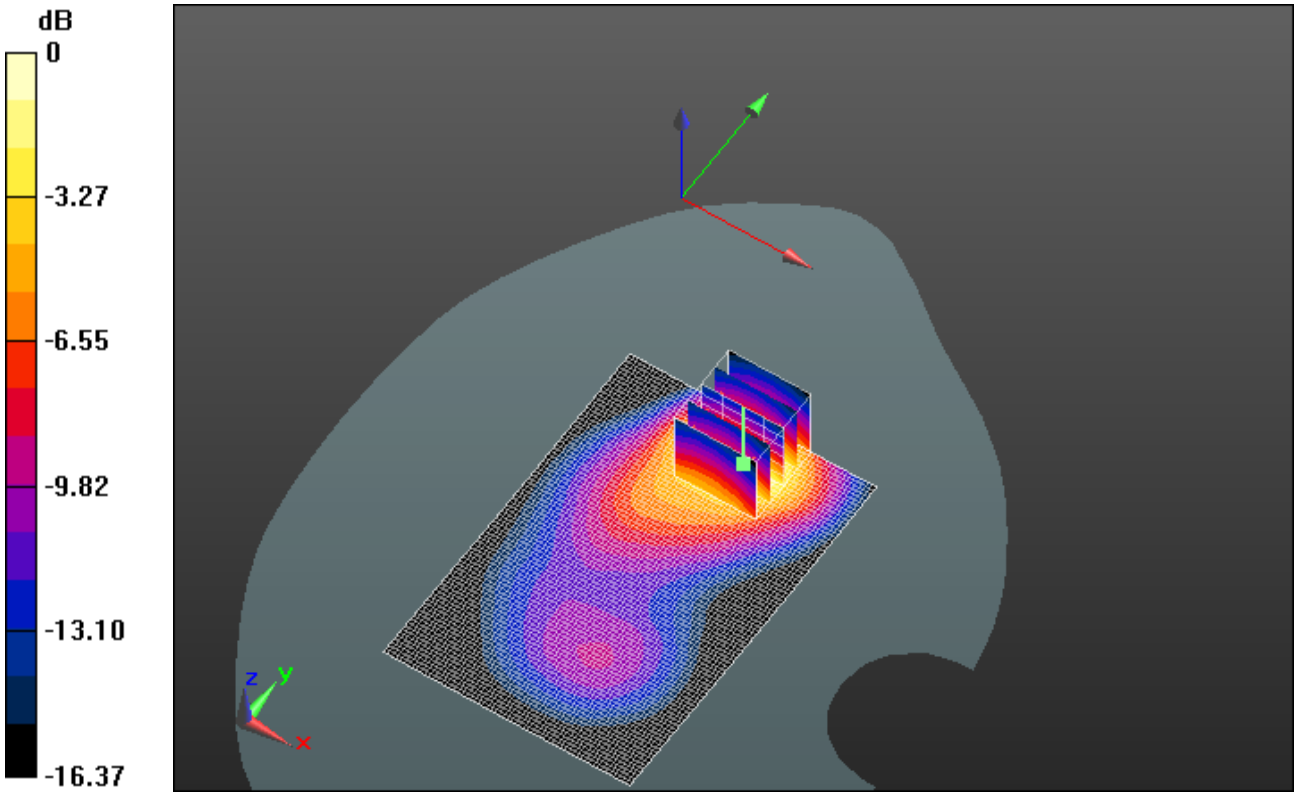
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.432 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.500 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.9830
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.610 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.399 mW/g



0 dB = 1.400mW/g = 2.92 dB mW/g

Date/Time: 3/27/2012 11:49:42 AM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_mid_chan_amb_temp_24.0C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

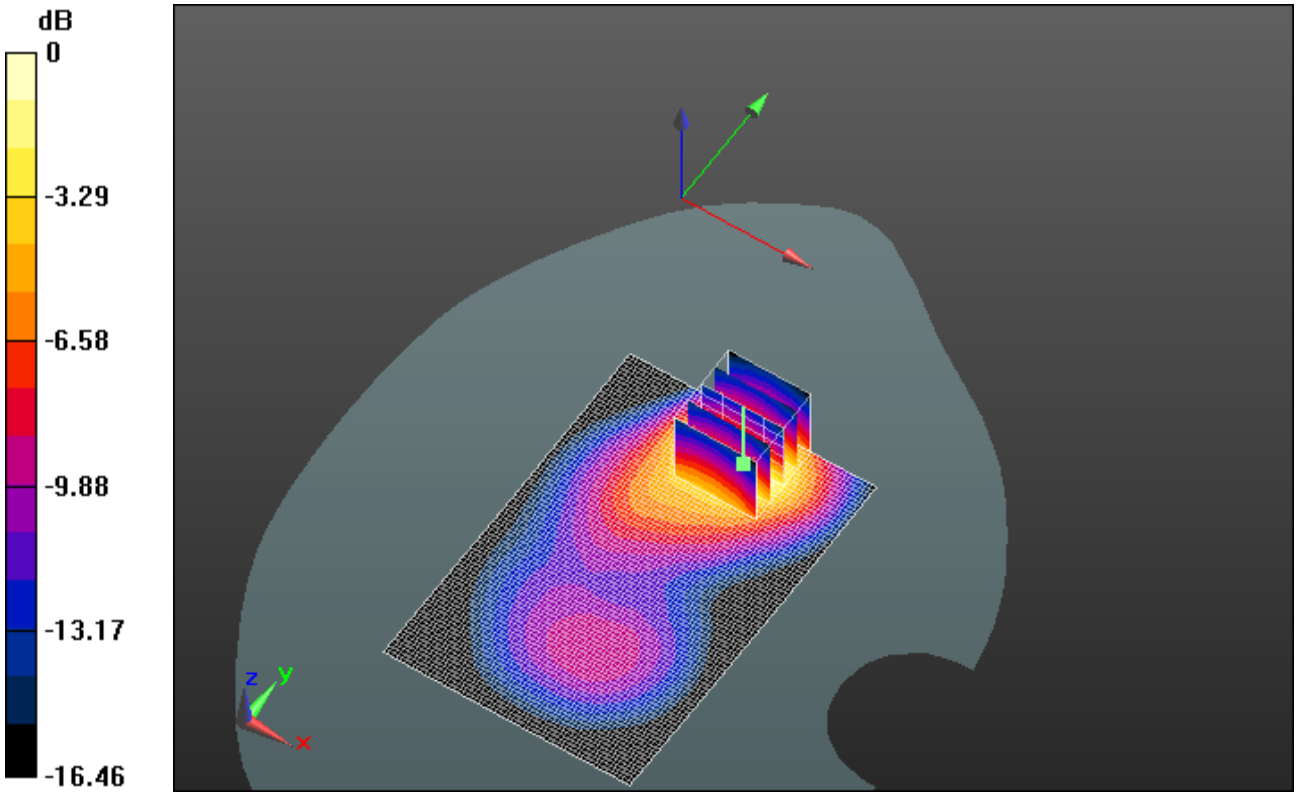
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.450 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.913 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.9200
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.615 mW/g
Maximum value of SAR (measured) = 1.377 mW/g



0 dB = 1.380mW/g = 2.80 dB mW/g

Date/Time: 3/27/2012 12:27:50 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_high_chan_amb_temp_23.9C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.567 mho/m; ε_r = 52.622; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

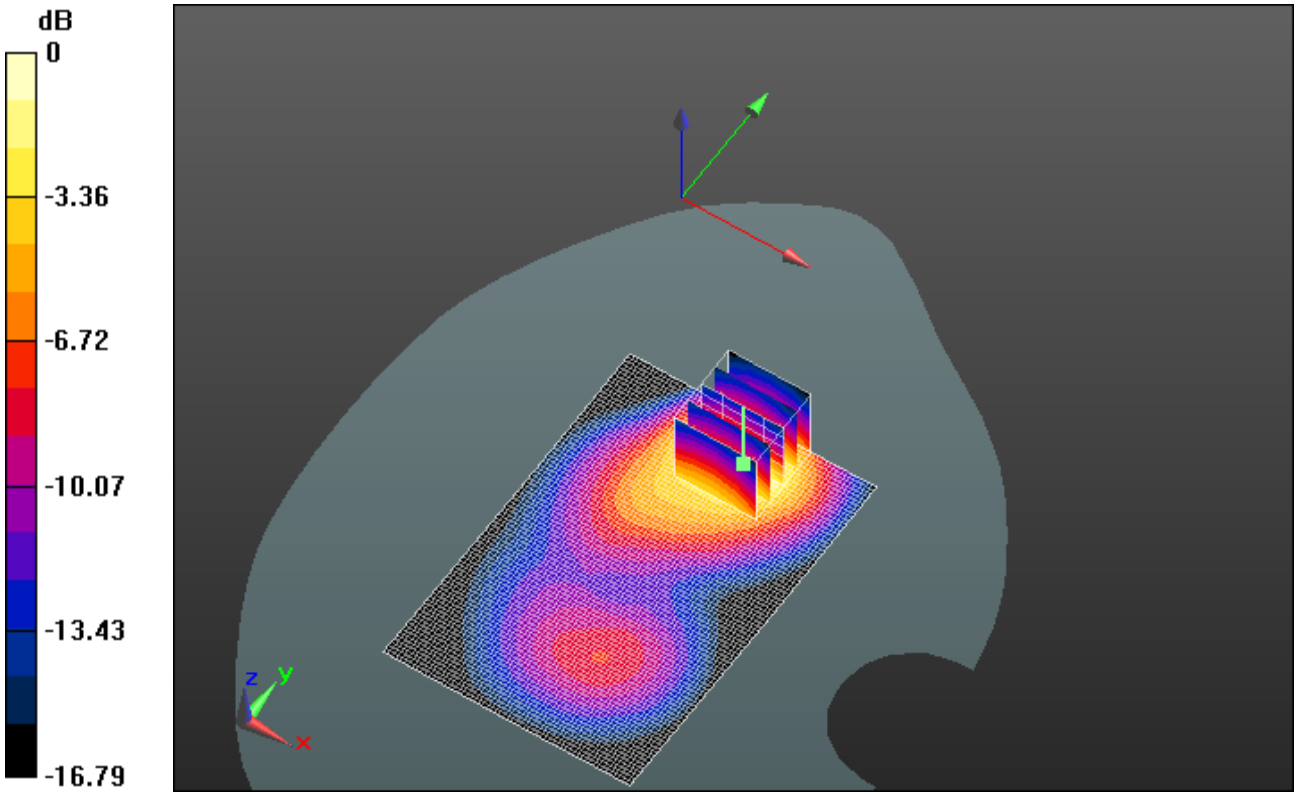
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.224 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.175 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.6230
SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.521 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.159 mW/g



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

Date/Time: 3/27/2012 12:51:09 PM

Test Laboratory: RIM Testing Services

MHS_Front_UMTS_Band_II_mid_chan_amb_temp_23.9C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

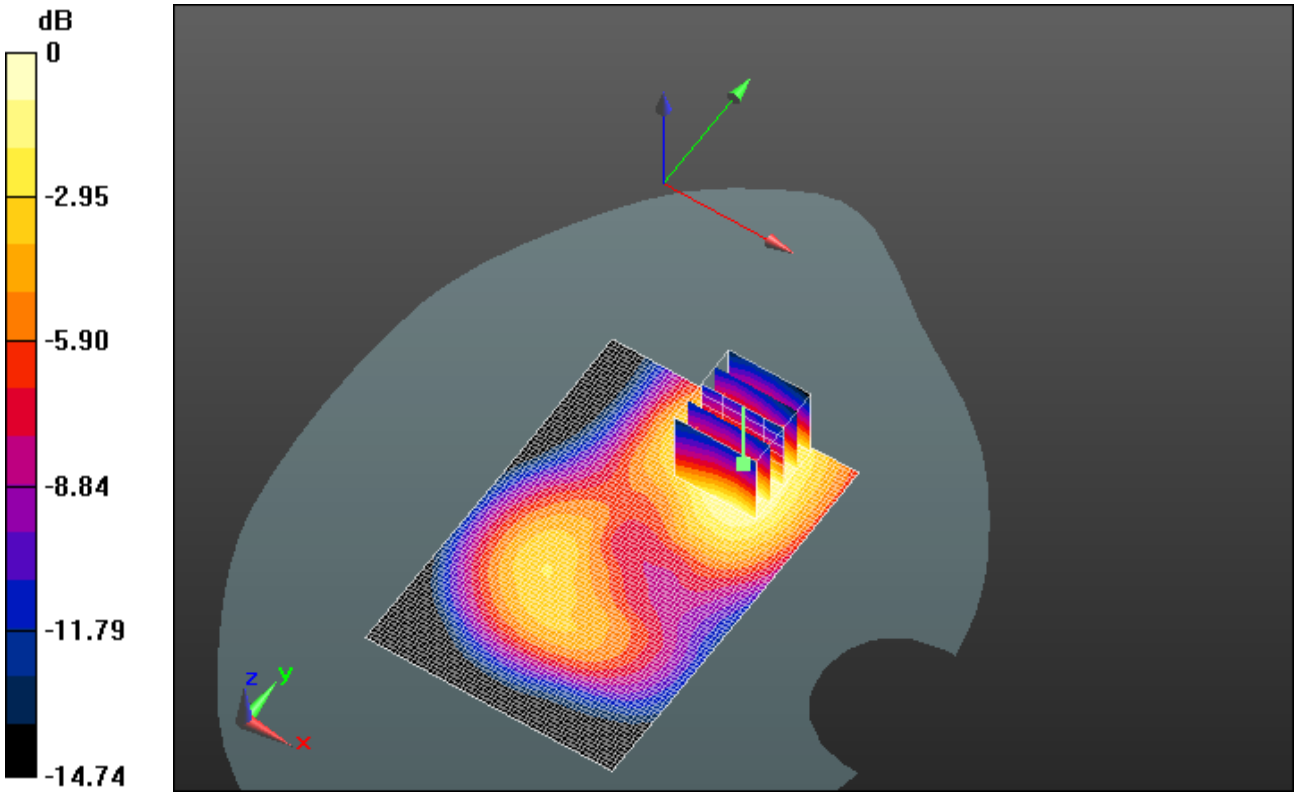
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.380 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.446 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.4850
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.373 mW/g



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

Date/Time: 3/27/2012 1:59:46 PM

Test Laboratory: RIM Testing Services

MHS_Right_UMTS_Band_II_mid_chan_amb_temp_23.9C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

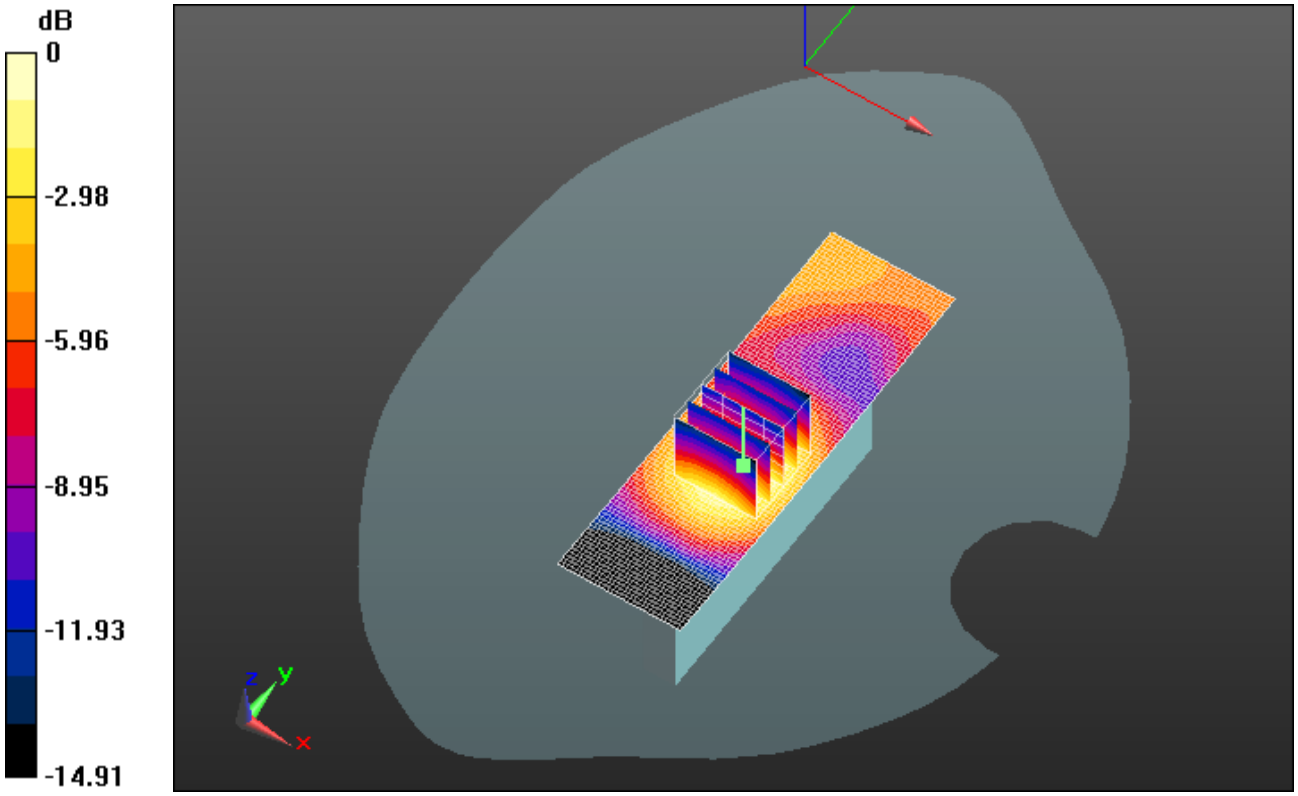
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.099 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.518 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.1310
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.101 mW/g



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

Date/Time: 3/27/2012 1:44:57 PM

Test Laboratory: RIM Testing Services

MHS_Left_UMTS_Band_II_mid_chan_amb_temp_23.8C_liq_temp_21.9 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

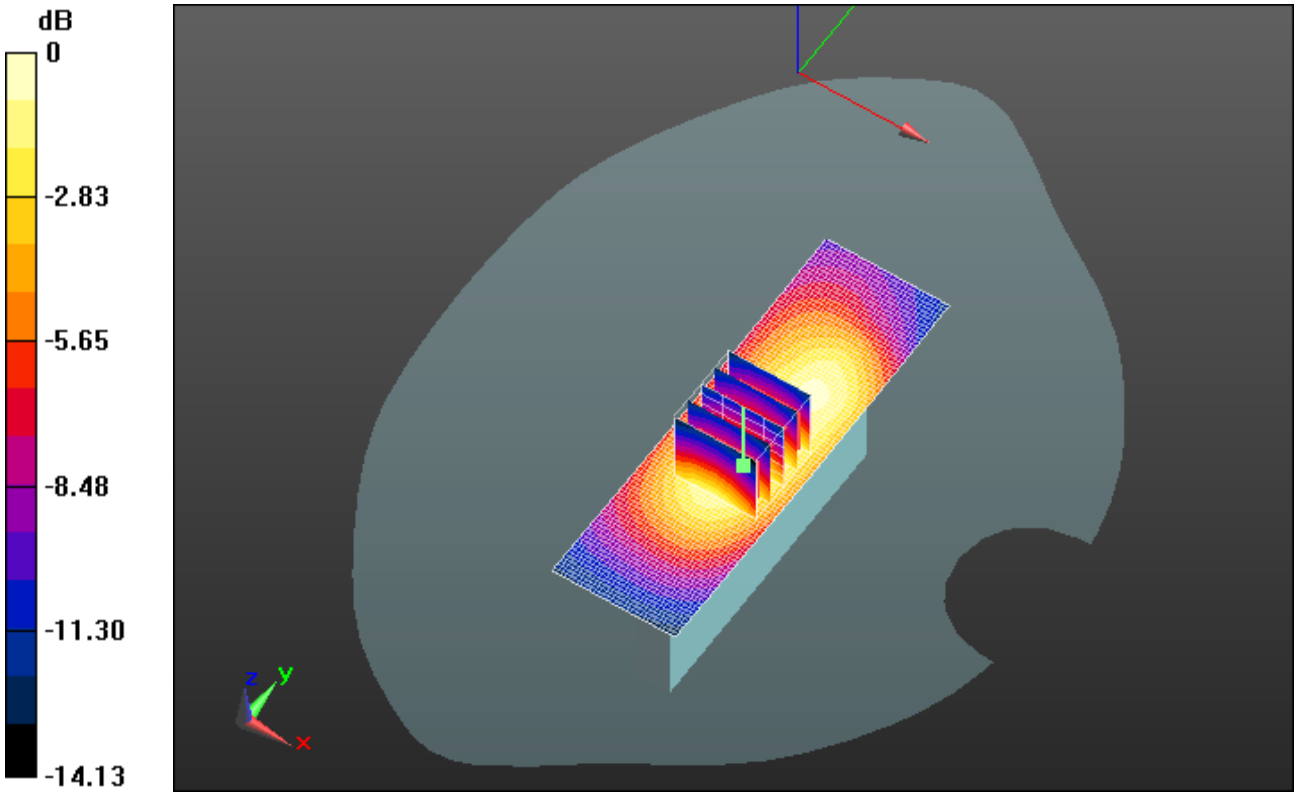
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.324 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.051 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.4210
SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.326 mW/g



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

Date/Time: 3/27/2012 2:31:37 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_II_low_chan_amb_temp_23.9C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.506 mho/m; ε_r = 52.837; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

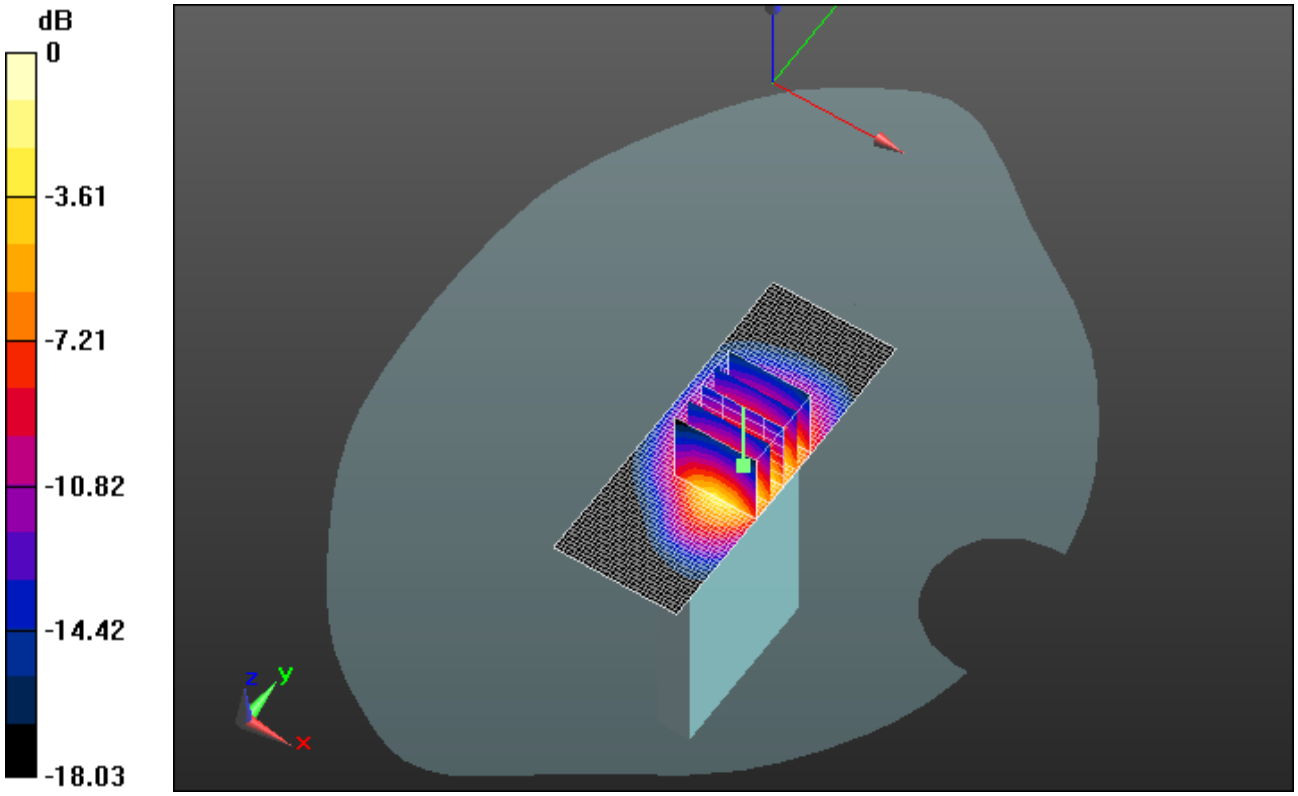
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.207 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.7940
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.515 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.290 mW/g



0 dB = 1.290mW/g = 2.21 dB mW/g

Date/Time: 3/27/2012 2:17:39 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_II_mid_chan_amb_temp_24.0C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

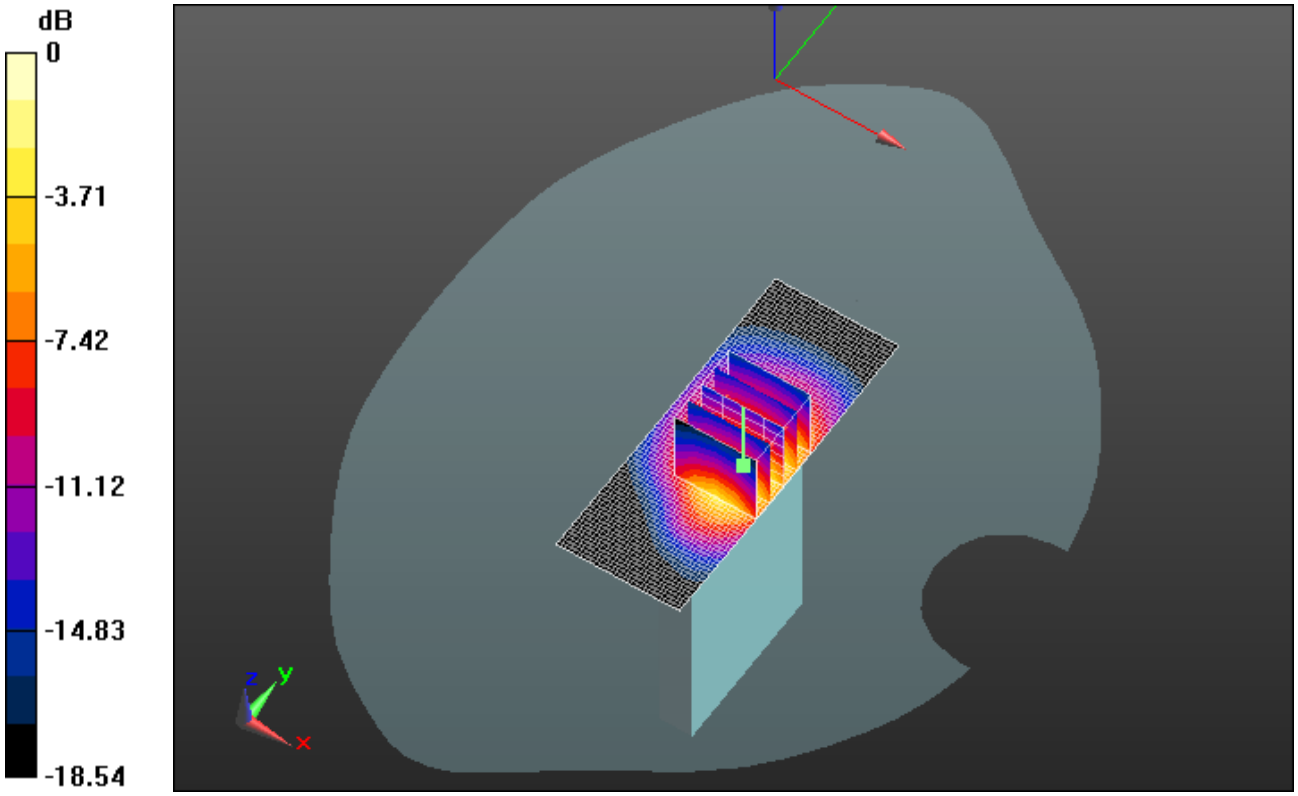
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.537 mho/m; ε_r = 52.726; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.297 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.586 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.7600
SAR(1 g) = 0.993 mW/g; SAR(10 g) = 0.512 mW/g
Maximum value of SAR (measured) = 1.250 mW/g



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

Date/Time: 3/27/2012 3:08:32 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_II_high_chan_amb_temp_23.924.0C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.567 mho/m; ε_r = 52.622; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

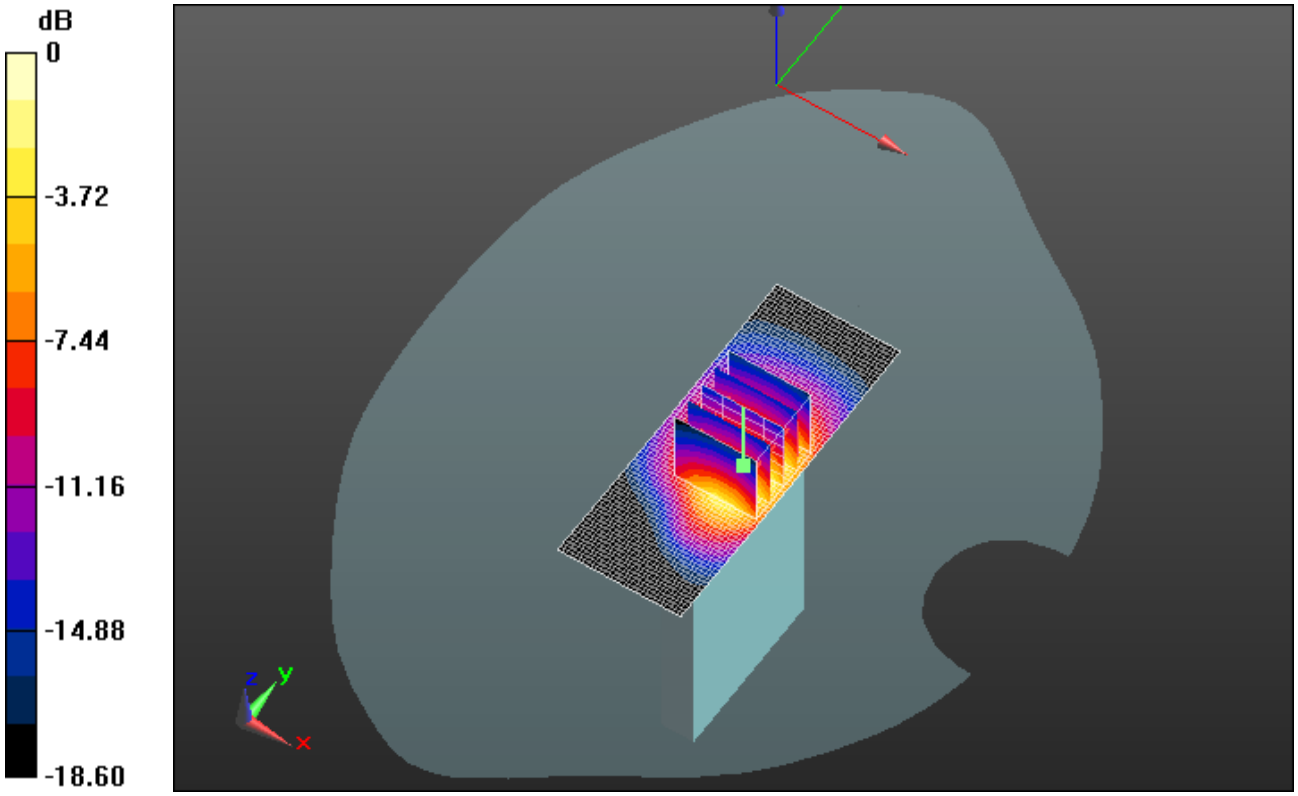
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.995 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.563 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.3980
SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.394 mW/g

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



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

Date/Time: 4/20/2012 12:13:51 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_low_chan_amb_temp_22.9C_liq_temp_21.5 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.502 mho/m; ε_r = 52.002; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

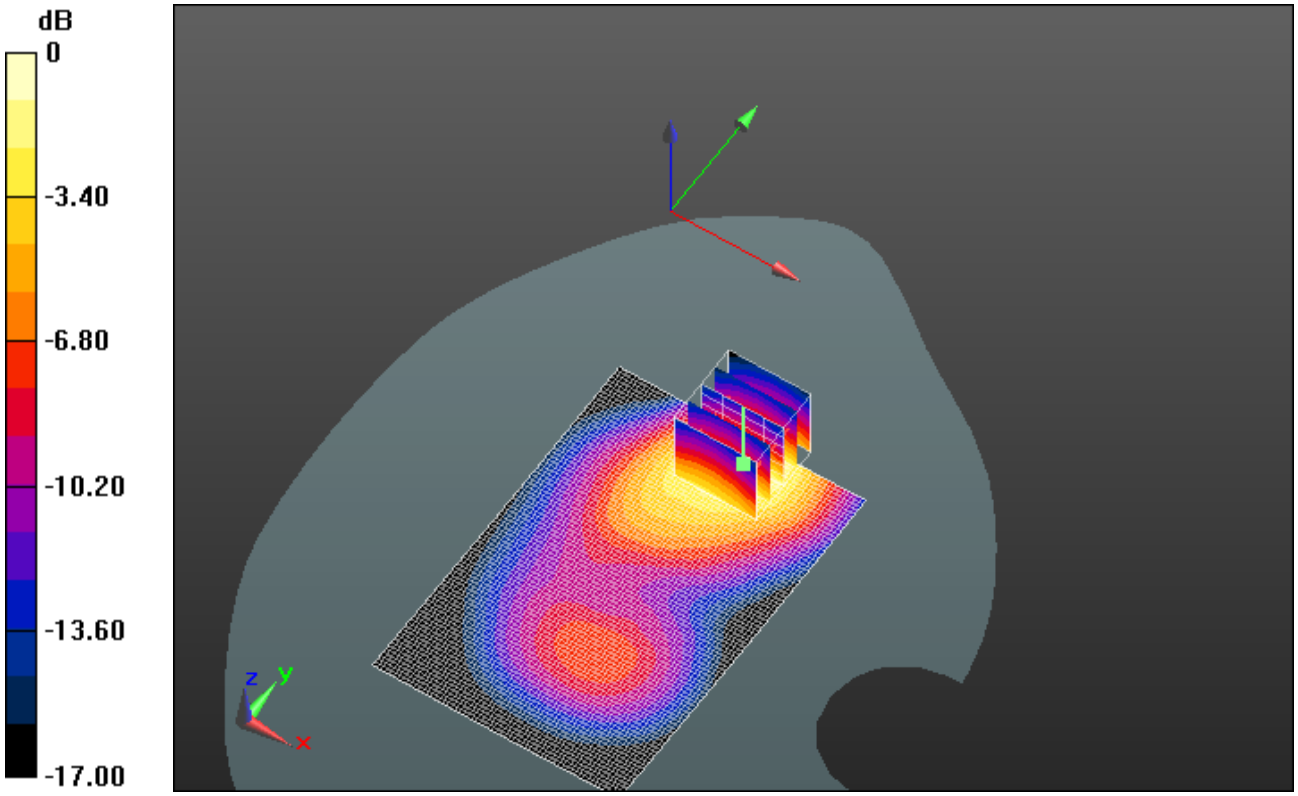
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.460 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.633 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.1510
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.699 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.543 mW/g



0 dB = 1.540mW/g = 3.75 dB mW/g

Date/Time: 4/20/2012 2:16:15 PM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_II_low_chan_amb_temp_22.9C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.502 mho/m; ε_r = 52.002; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

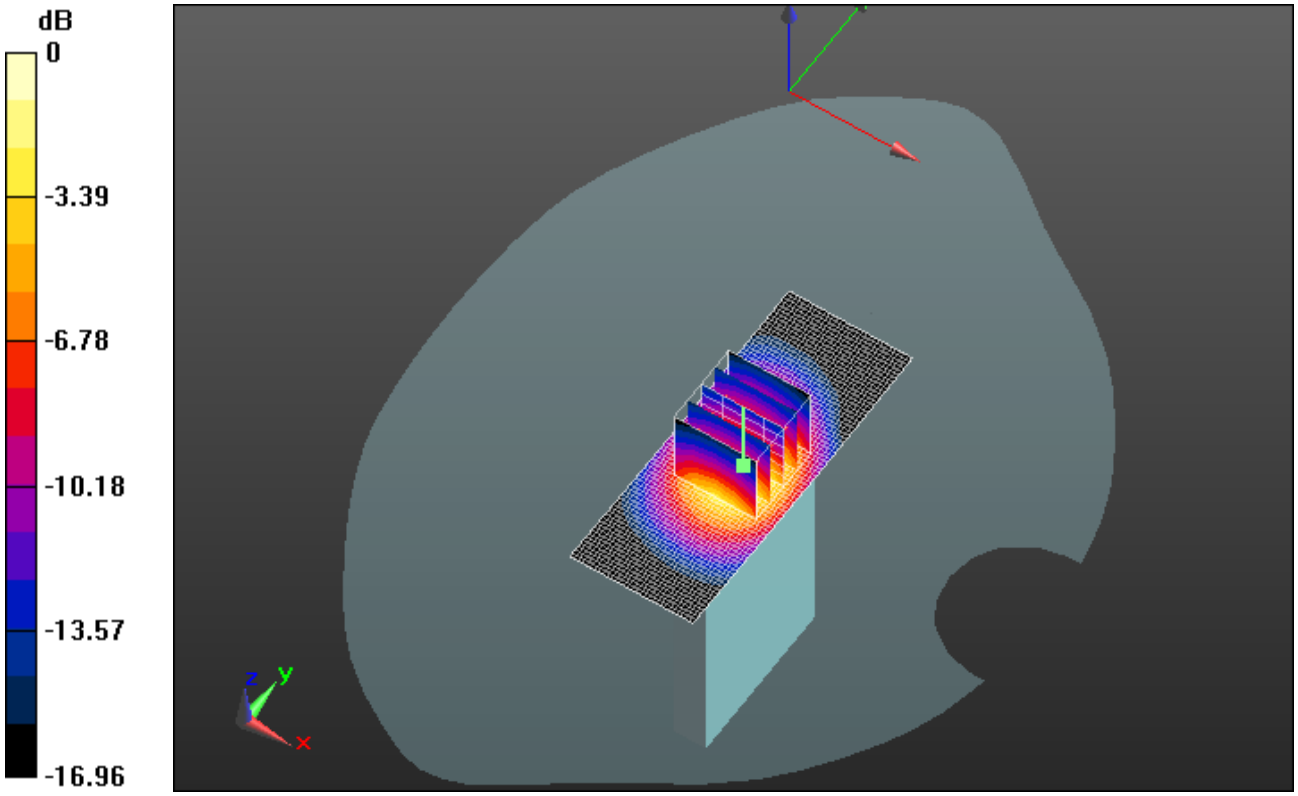
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.665 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.508 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.3290
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.678 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.654 mW/g



0 dB = 1.650mW/g = 4.35 dB mW/g

Date/Time: 5/17/2012 12:43:46 AM

Test Laboratory: RIM Testing Services

MHS_Back_802.11b_high_chan_amb_temp_22.9_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.037 mho/m; ε_r = 53.735; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

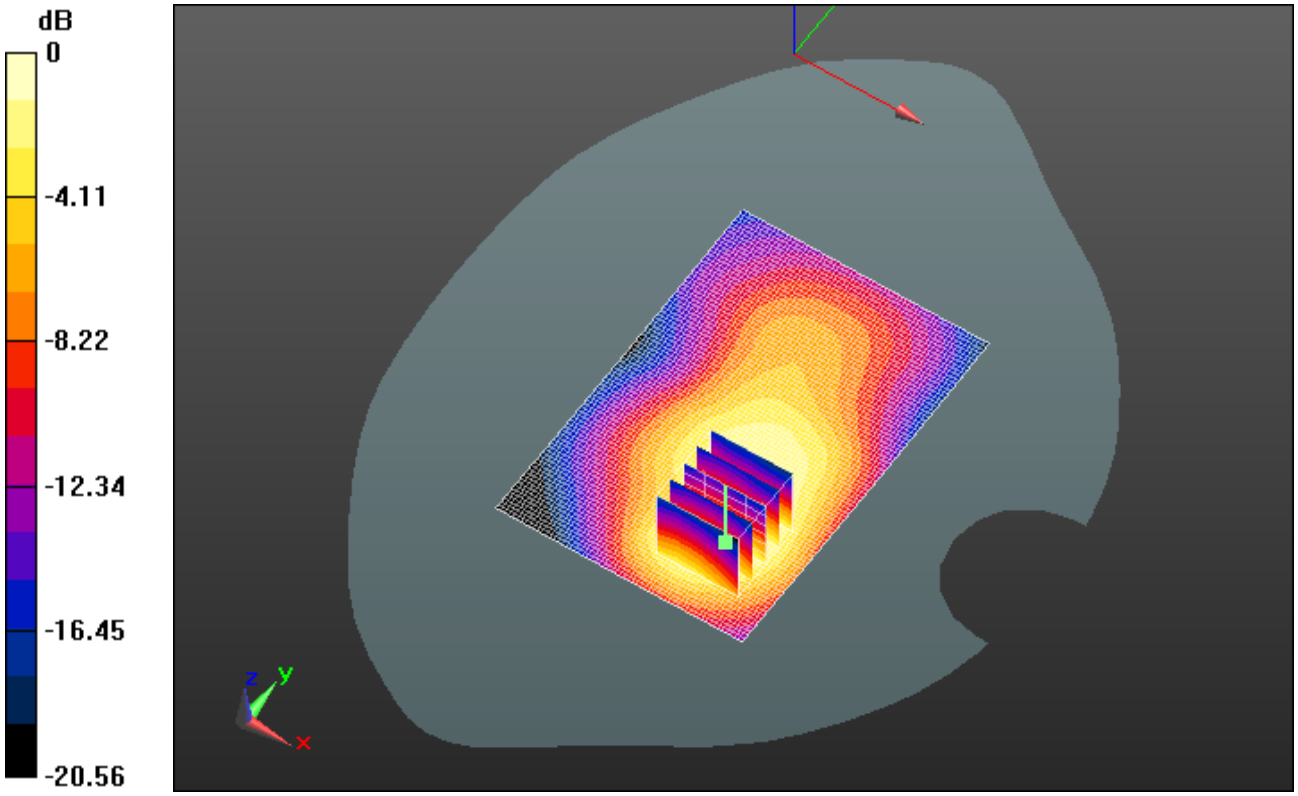
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.288 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.207 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.4810
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.131 mW/g

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



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

Date/Time: 5/17/2012 1:29:40 AM

Test Laboratory: RIM Testing Services

MHS_Front_802.11b_high_chan_amb_temp_22.8_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.037 mho/m; ε_r = 53.735; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

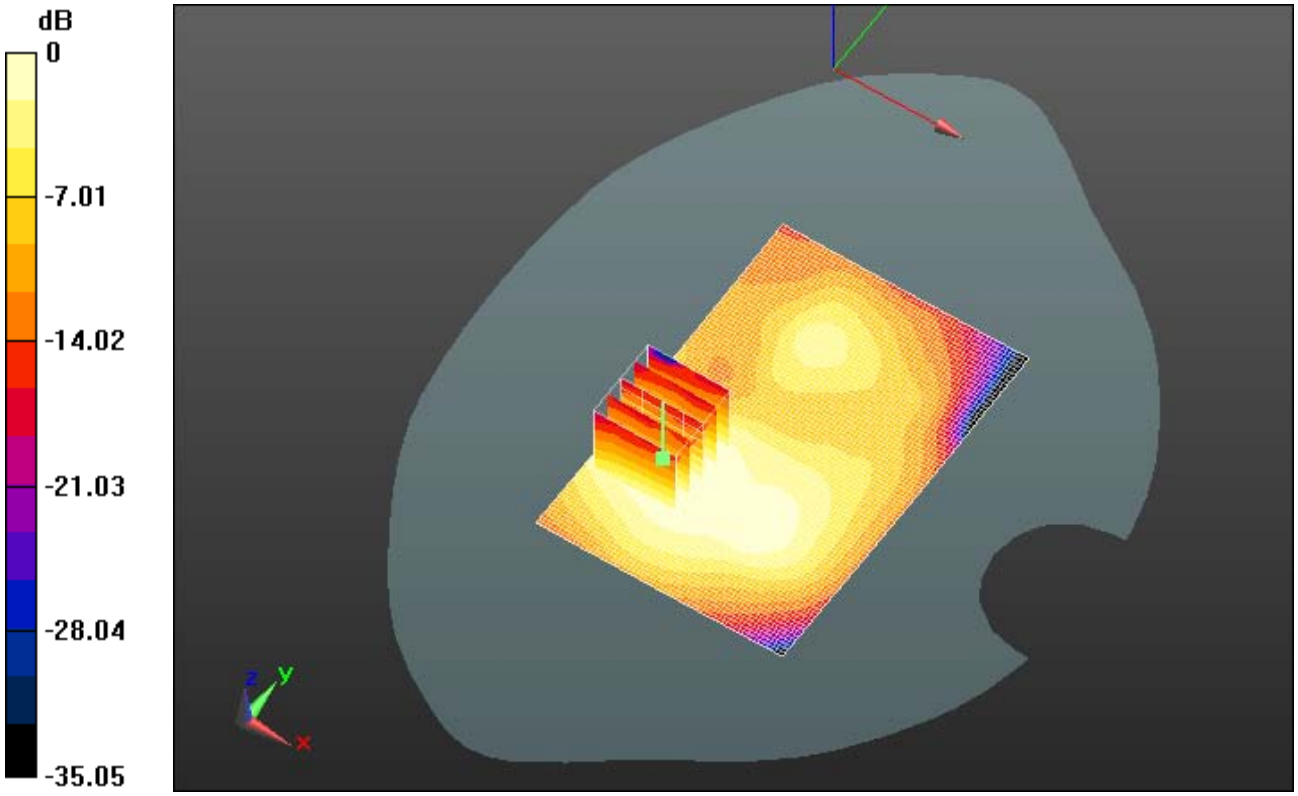
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.070 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.190 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.1090
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.030 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.069 mW/g



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

Date/Time: 5/17/2012 2:13:20 AM

Test Laboratory: RIM Testing Services

MHS_Right_802.11b_high_chan_amb_temp_22.8C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.037 mho/m; ε_r = 53.735; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

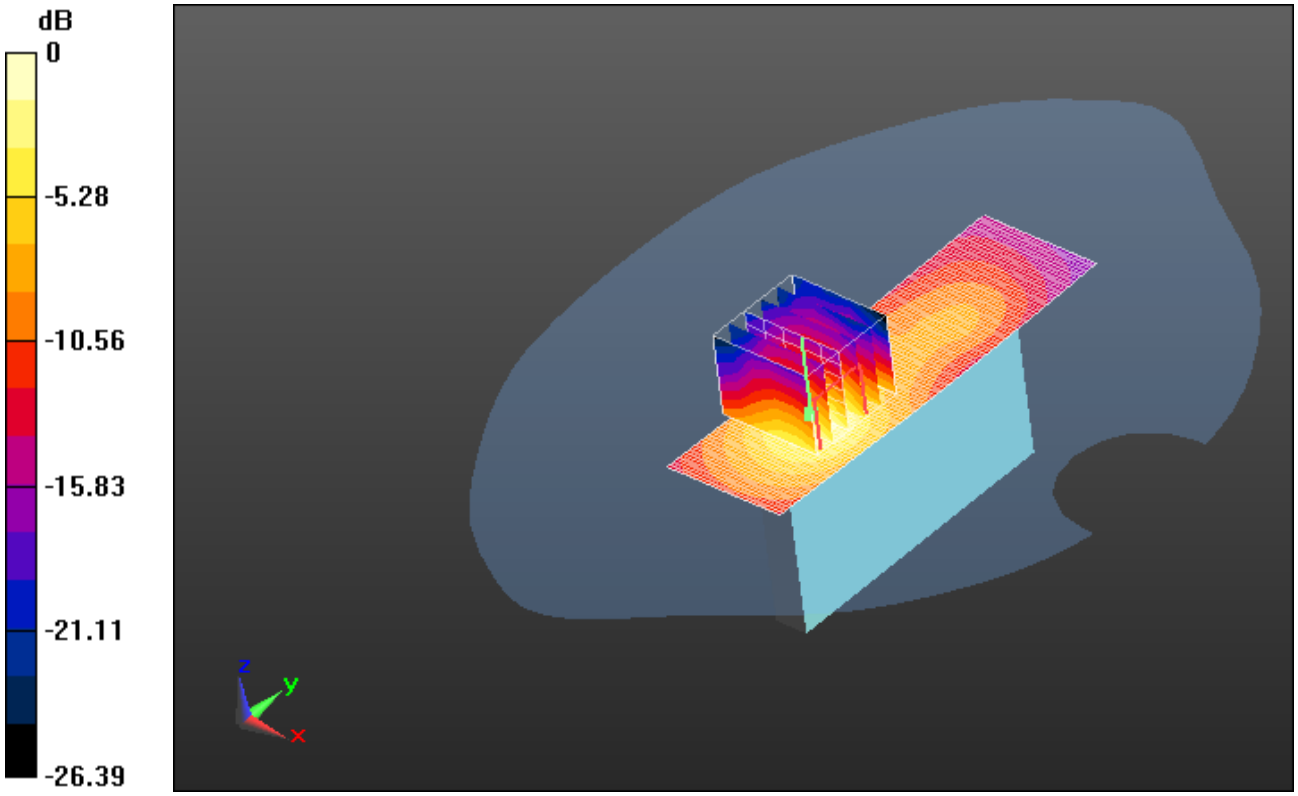
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.190 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.032 V/m; Power Drift = 0.0081 dB
Peak SAR (extrapolated) = 0.3480
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.082 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.223 mW/g



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

Date/Time: 5/17/2012 2:34:09 AM

Test Laboratory: RIM Testing Services

MHS_Left_802.11b_high_chan_amb_temp_22.7C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.037 mho/m; ε_r = 53.735; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

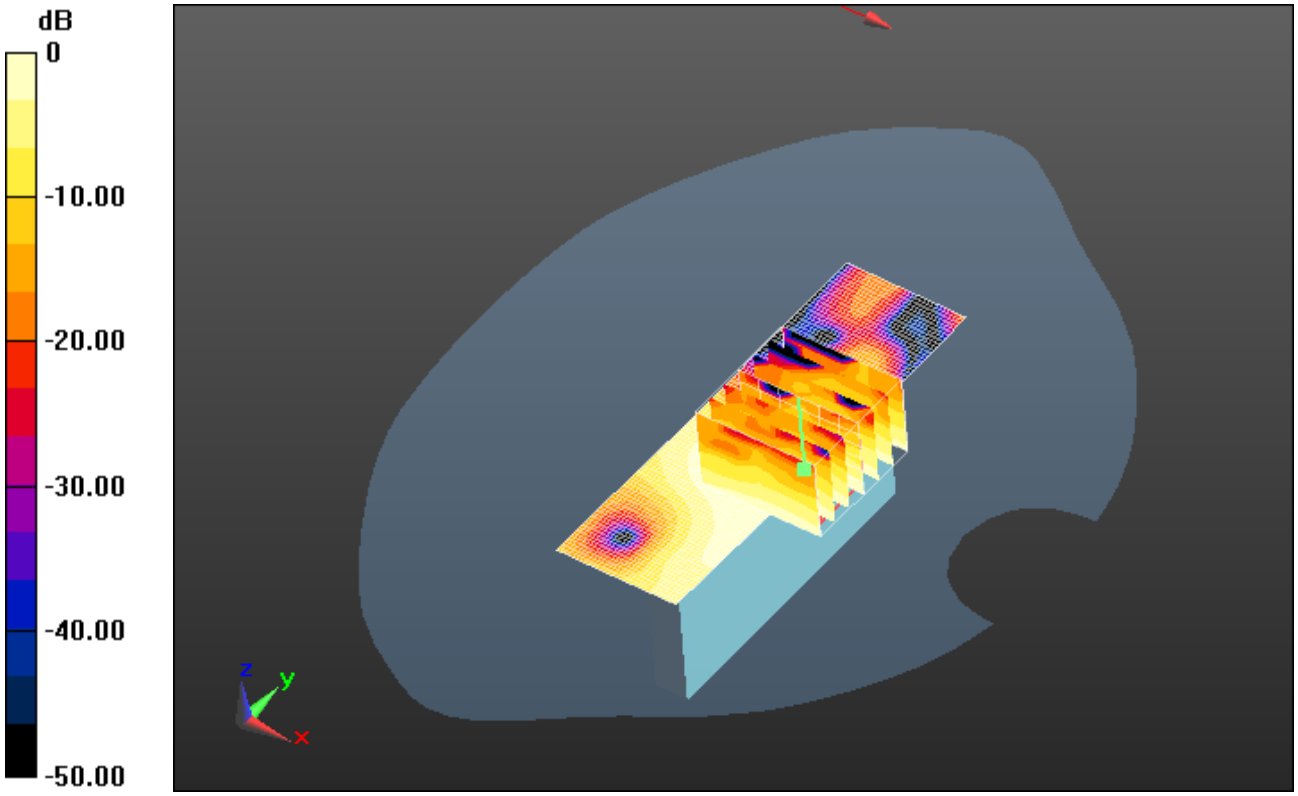
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.021 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.507 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0500
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.021 mW/g



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

Date/Time: 5/17/2012 3:10:20 AM

Test Laboratory: RIM Testing Services

MHS_Top_802.11b_high_chan_amb_temp_22.7C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.037 mho/m; ε_r = 53.735; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

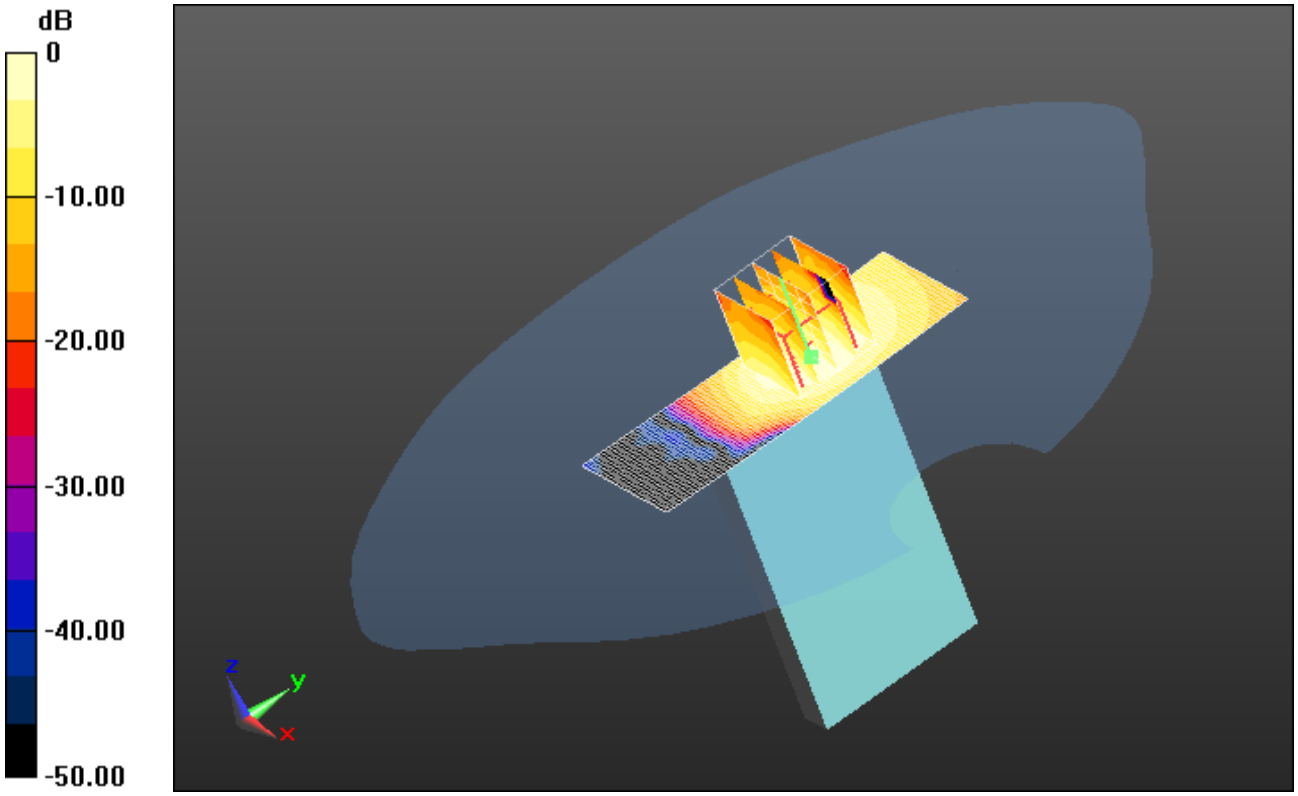
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.043 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.661 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.0680
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.018 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.044 mW/g



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

Z axis plot for the worst case MHS configuration