APPENDIX C2: SAR DISTRIBUTION PLOTS FOR MOBILE HOT SPOT

Date/Time: 7/25/2012 4:01:10 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_GPRS850_low_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

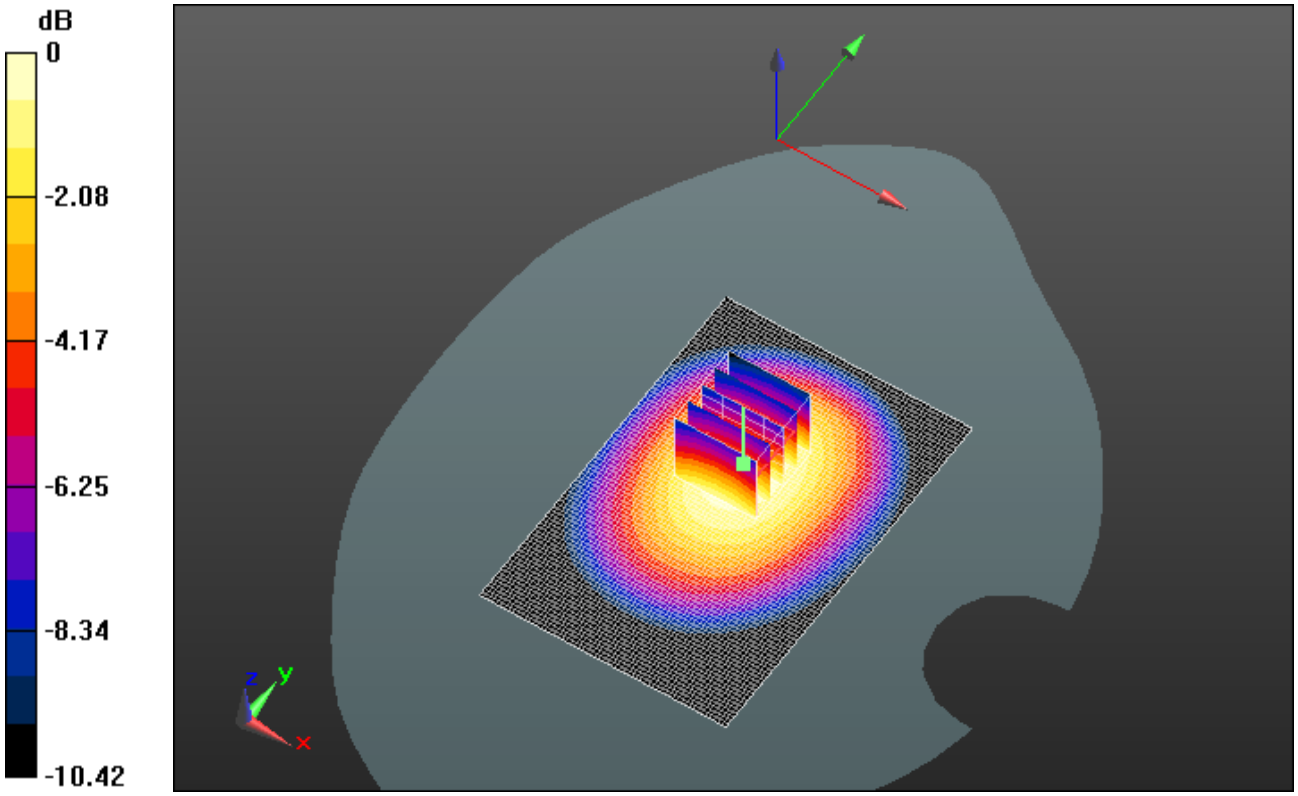
Communication System: GPRS 850; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.955 mho/m; ε_r = 53.808; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.206 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.267 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.4490
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.775 mW/g
Maximum value of SAR (measured) = 1.209 mW/g



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

Date/Time: 7/25/2012 3:41:16 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.978 mho/m; ε_r = 53.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

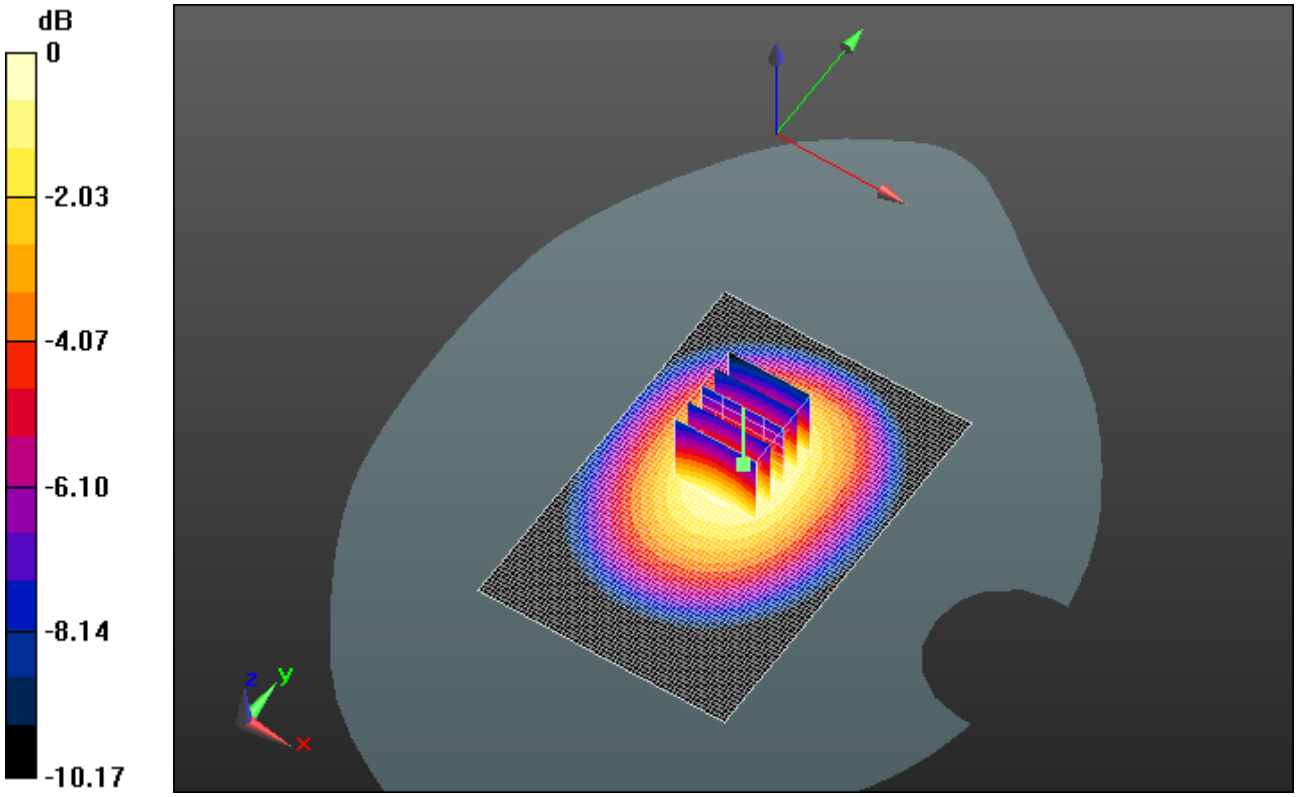
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.393 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.522 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.6470
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.885 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.385 mW/g



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

Date/Time: 7/25/2012 4:20:36 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_GPRS850_high_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.002 mho/m; ε_r = 53.721; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

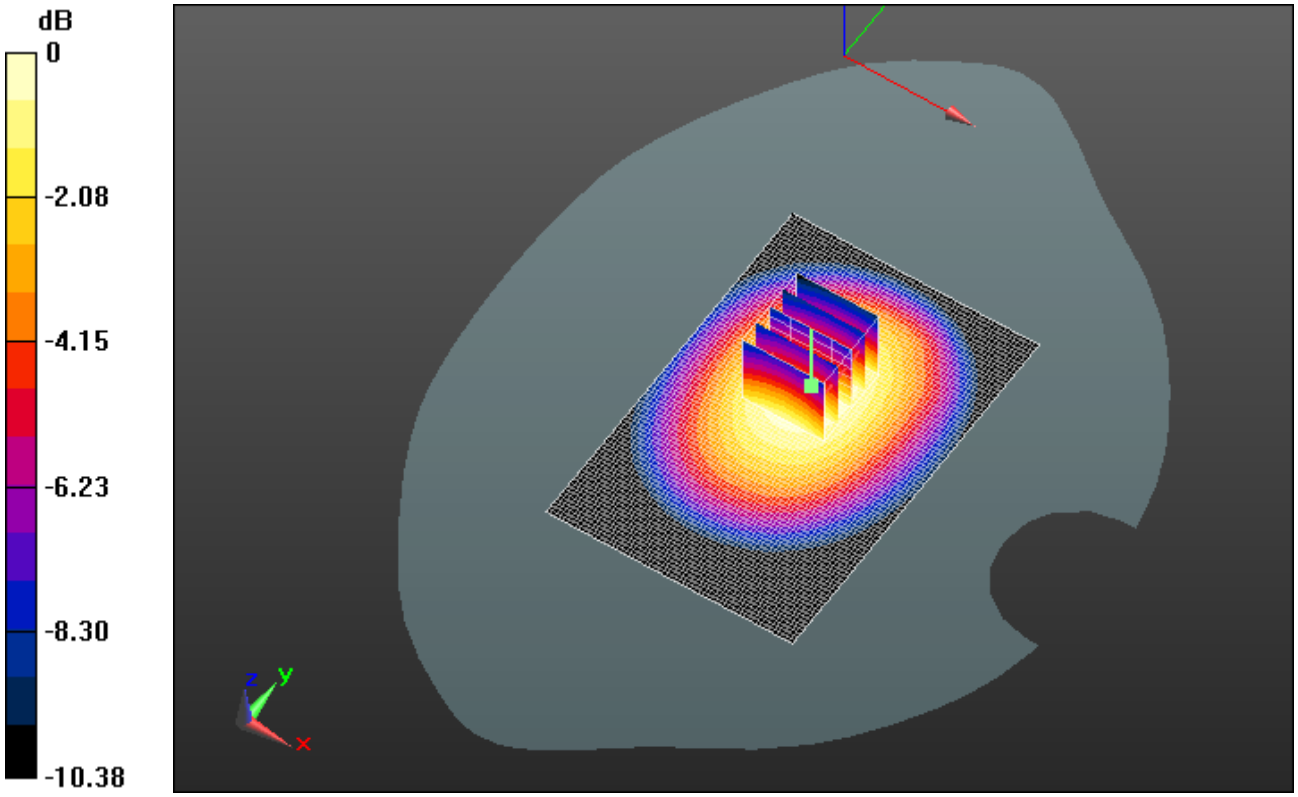
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.542 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.978 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.7820
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.954 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.491 mW/g



0 dB = 1.490mW/g = 3.46 dB mW/g

Date/Time: 7/25/2012 4:50:48 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_GPRS850_mid_chan_amb_temp_23.2C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.978 mho/m; ε_r = 53.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

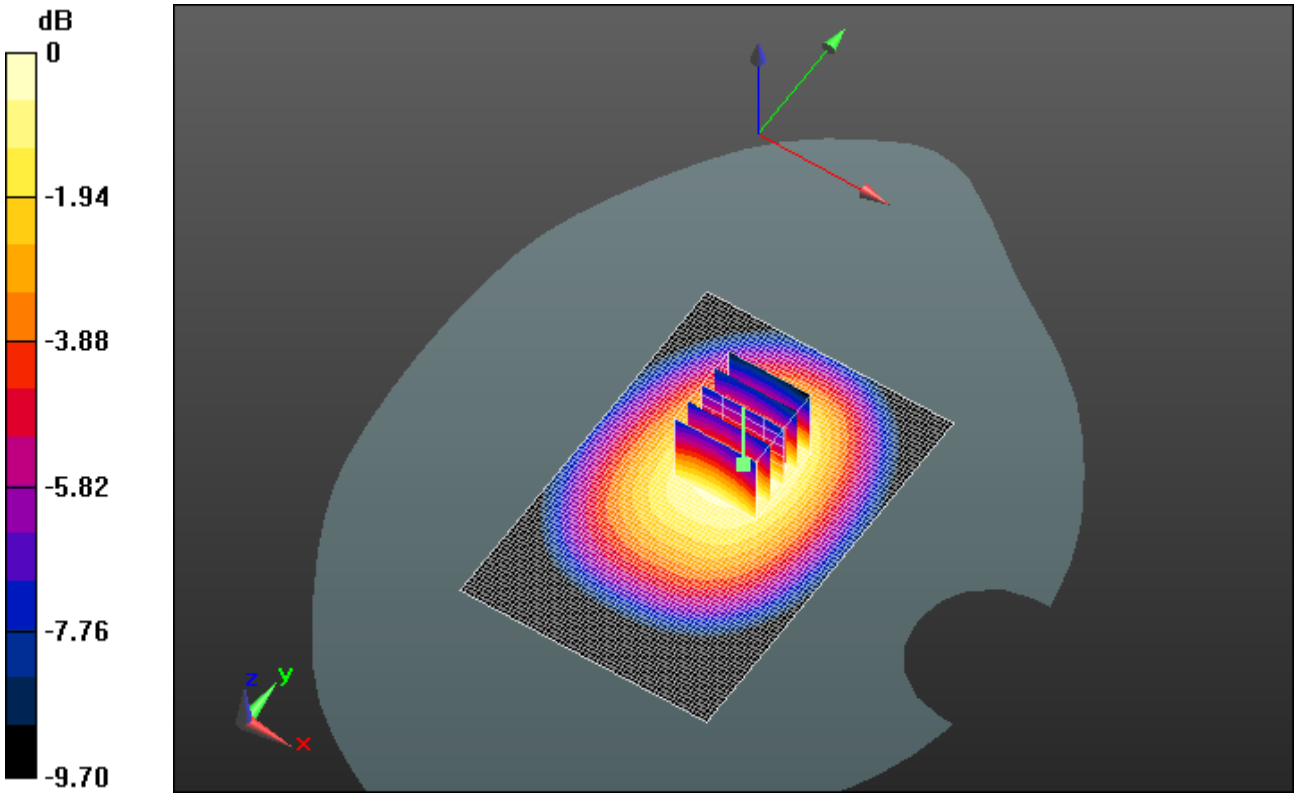
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.700 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.839 V/m; Power Drift = 0.0071 dB
Peak SAR (extrapolated) = 0.8250
SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.459 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.697 mW/g



0 dB = 0.700mW/g = -3.10 dB mW/g

Date/Time: 7/25/2012 1:08:53 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Right_GPRS850_low_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

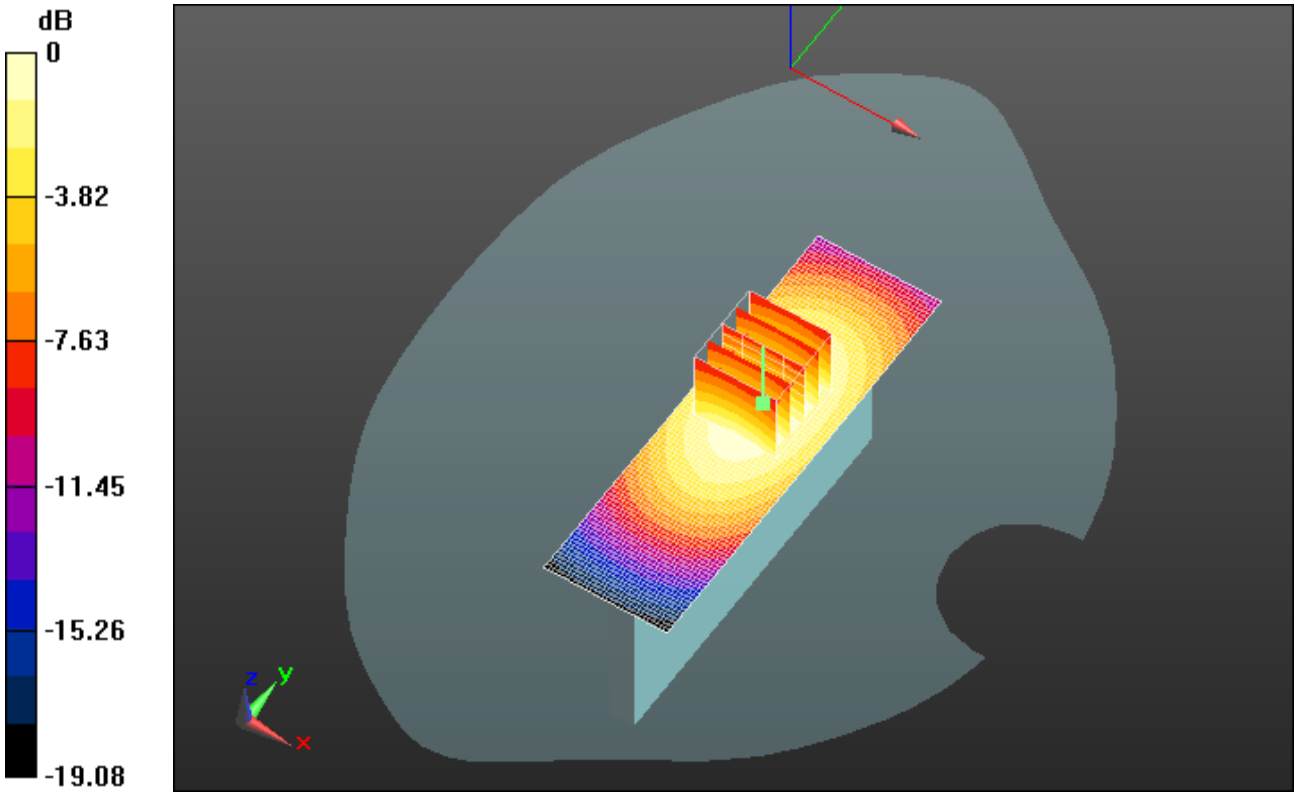
Communication System: GPRS 850; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.955 mho/m; ε_r = 53.808; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 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 -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.220 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.9740
SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.487 mW/g
Maximum value of SAR (measured) = 0.796 mW/g

Configuration/Touch position -/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.794 mW/g



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

Date/Time: 7/25/2012 12:41:43 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Right_GPRS850_mid_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.978 mho/m; ε_r = 53.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

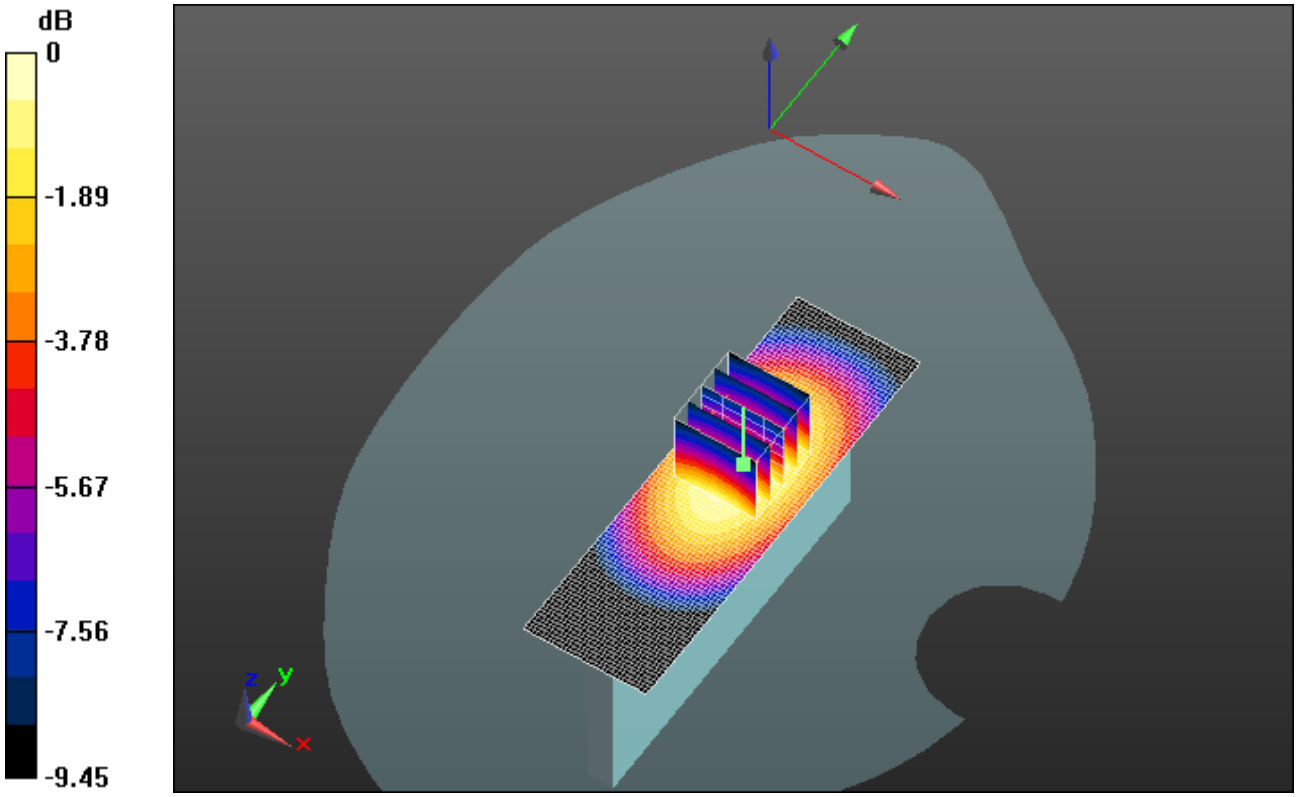
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.907 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.196 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.1230
SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.555 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.920 mW/g



0 dB = 0.920mW/g = -0.72 dB mW/g

Date/Time: 7/25/2012 1:28:43 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Right_GPRS850_high_chan_amb_temp_23.7C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.002 mho/m; ε_r = 53.721; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

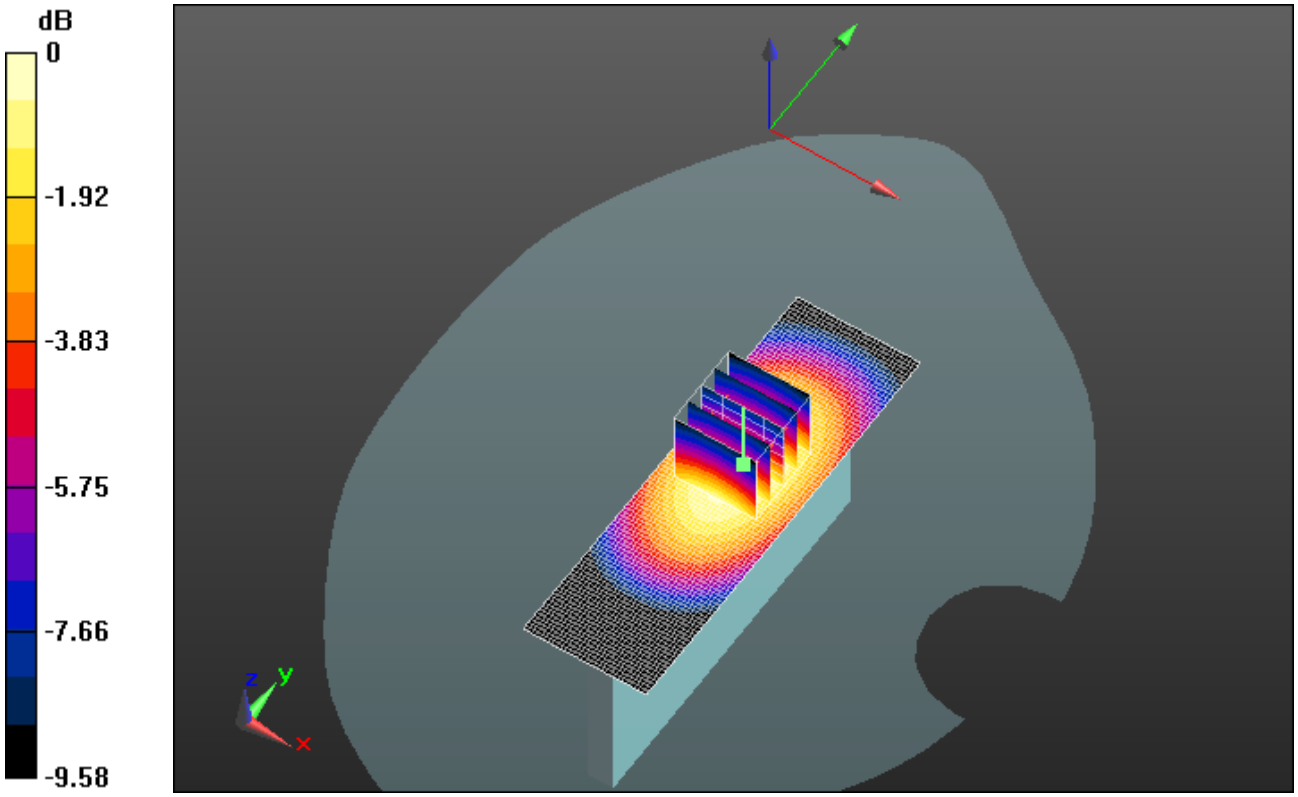
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.923 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.100 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.1420
SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.560 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.929 mW/g



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

Date/Time: 7/25/2012 2:58:25 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Left_GPRS850_mid_chan_amb_temp_23.1C_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.978 mho/m; ε_r = 53.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

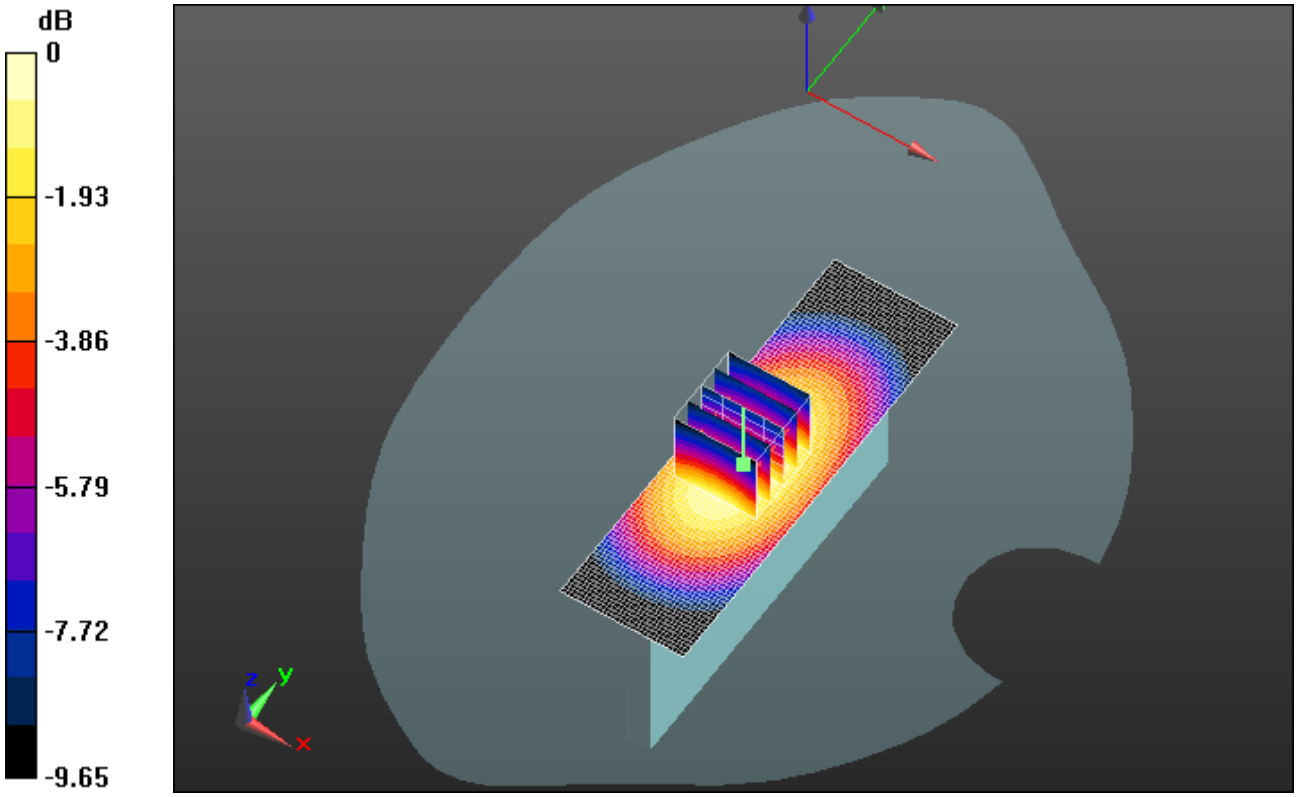
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.695 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.415 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.8860
SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.430 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.724 mW/g



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

Date/Time: 7/25/2012 3:18:43 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Bottom_GPRS850_mid_chan_amb_temp_23.4_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.978 mho/m; ε_r = 53.784; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

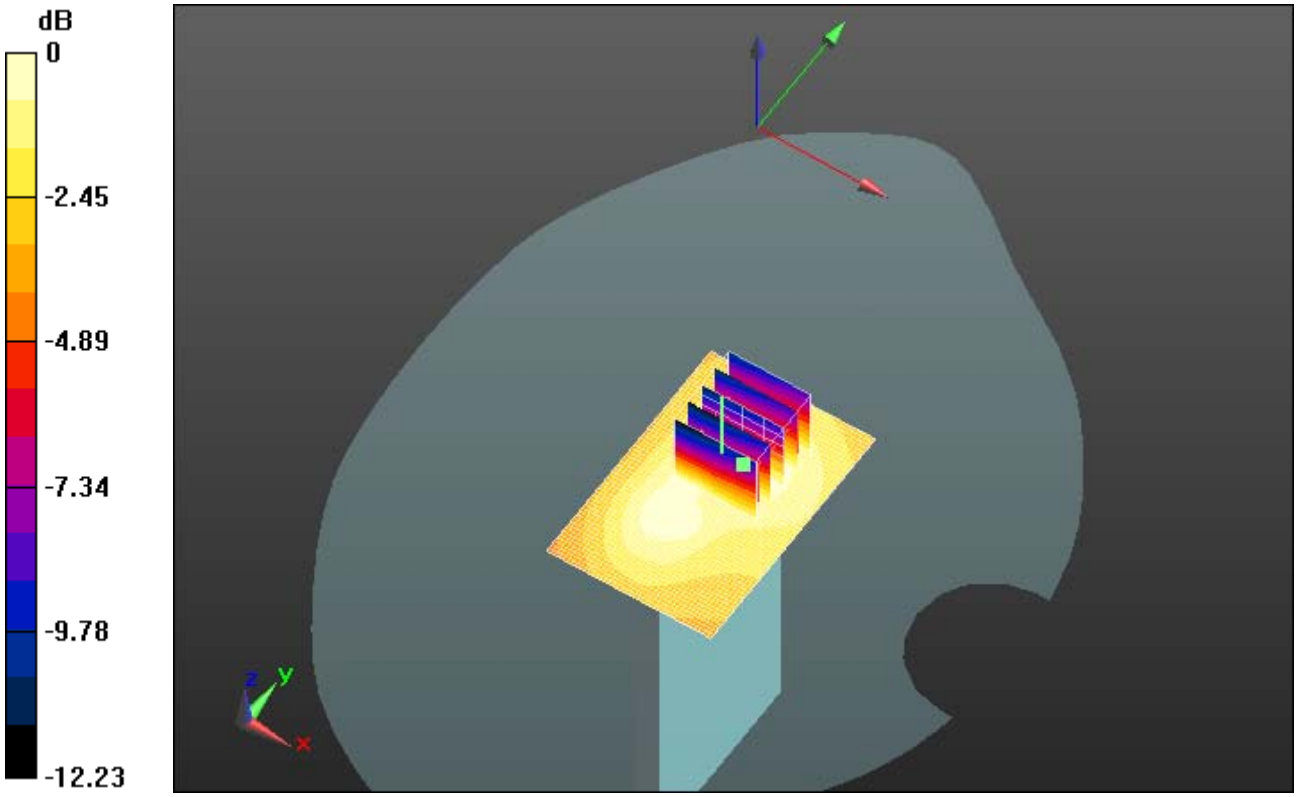
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.063 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.386 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0920
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.034 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.063 mW/g



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

Date/Time: 7/12/2012 11:39:00 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_V_low_chan_amb_temp_23.2 C_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 826.4 MHz
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 mho/m; ε_r = 52.732; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

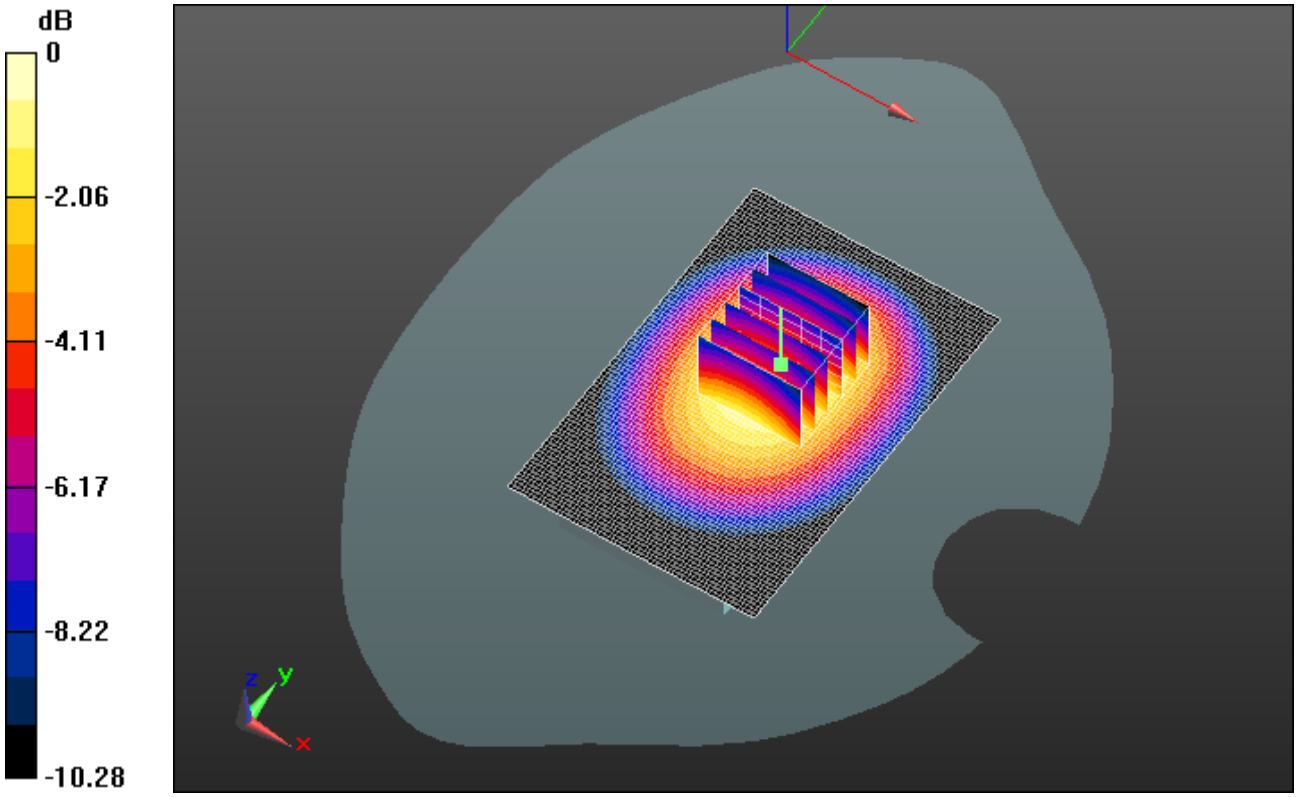
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.129 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.057 V/m; Power Drift = 0.0068 dB
Peak SAR (extrapolated) = 1.3250
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.727 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.130 mW/g



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

Date/Time: 7/12/2012 11:18:06 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_V_mid_chan_amb_temp_23.0 C_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 52.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

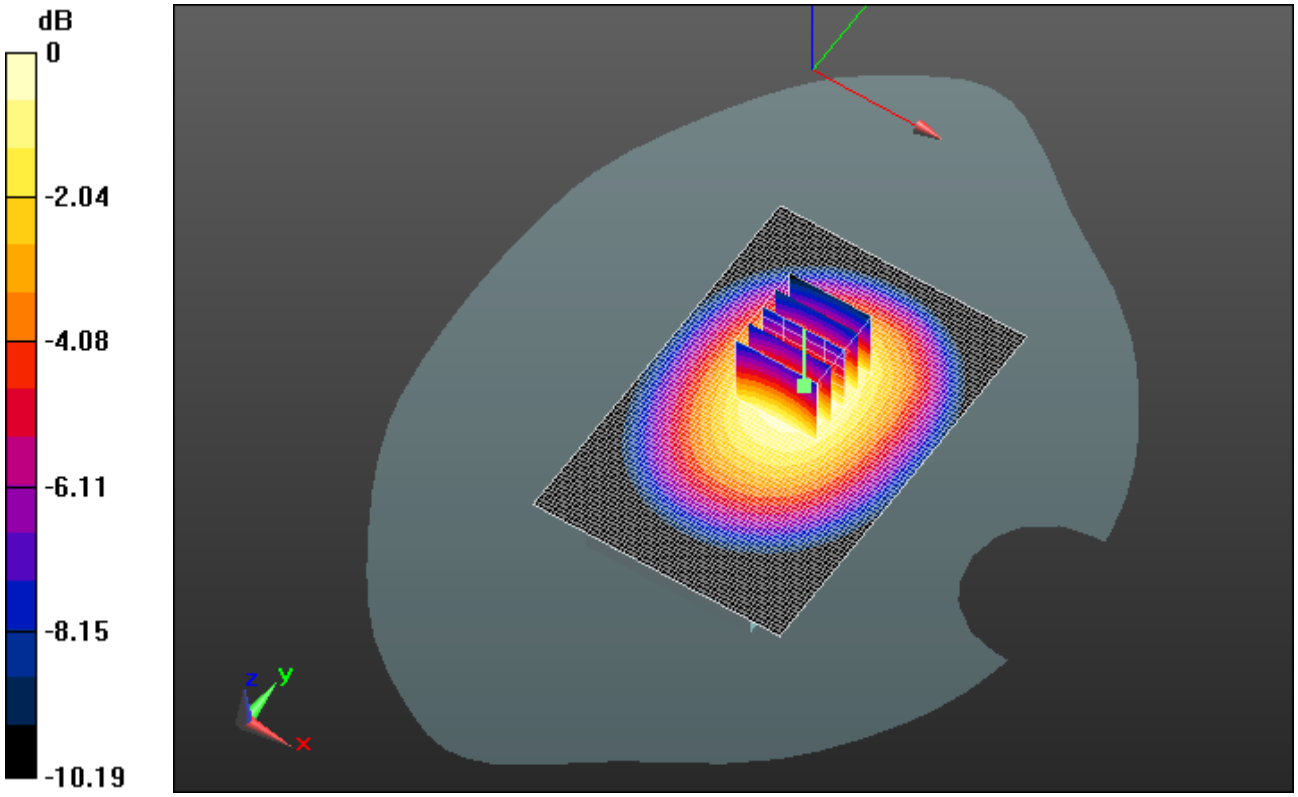
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.327 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 33.900 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.5490
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.848 mW/g

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



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

Date/Time: 7/12/2012 11:59:33 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_V_high_chan_amb_temp_23.0 C_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.981 mho/m; ε_r = 52.564; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

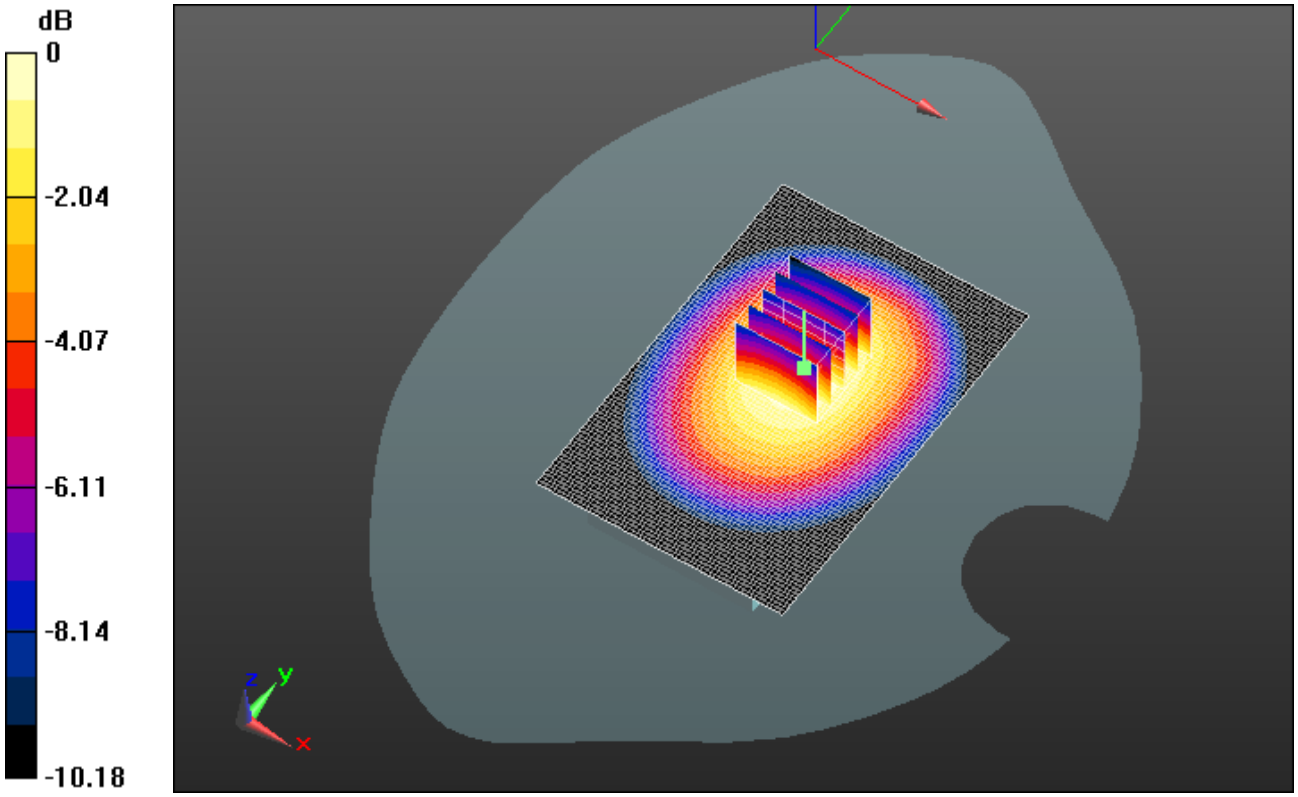
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.357 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.060 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.5980
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.875 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.357 mW/g



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

Date/Time: 7/13/2012 12:58:34 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_UMTS_Band_V_low_chan_amb_temp_22.9 C_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 826.4 MHz
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.959 mho/m; ε_r = 52.732; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

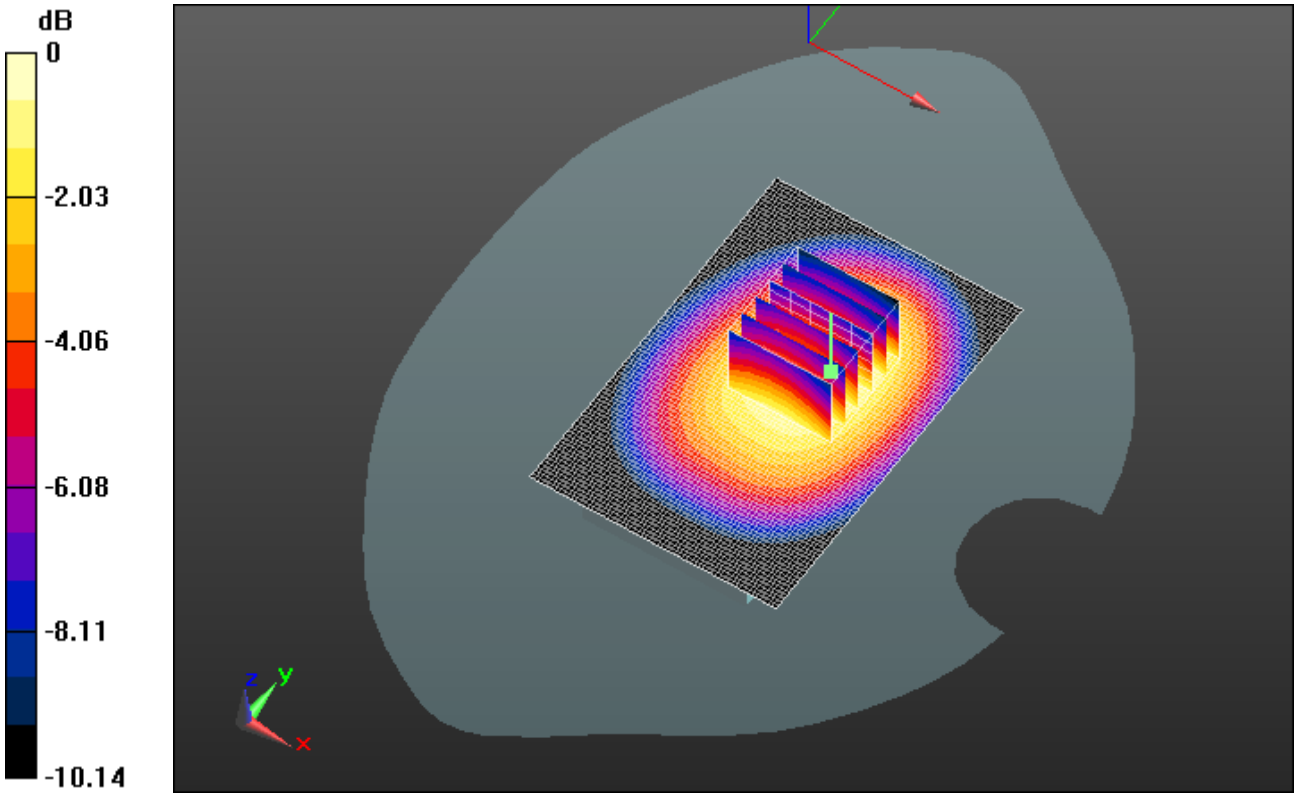
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.766 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.991 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.8900
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.502 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.763 mW/g



0 dB = 0.760mW/g = -2.38 dB mW/g

Date/Time: 7/13/2012 12:29:13 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_UMTS_Band_V_mid_chan_amb_temp_23.0 C_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 52.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

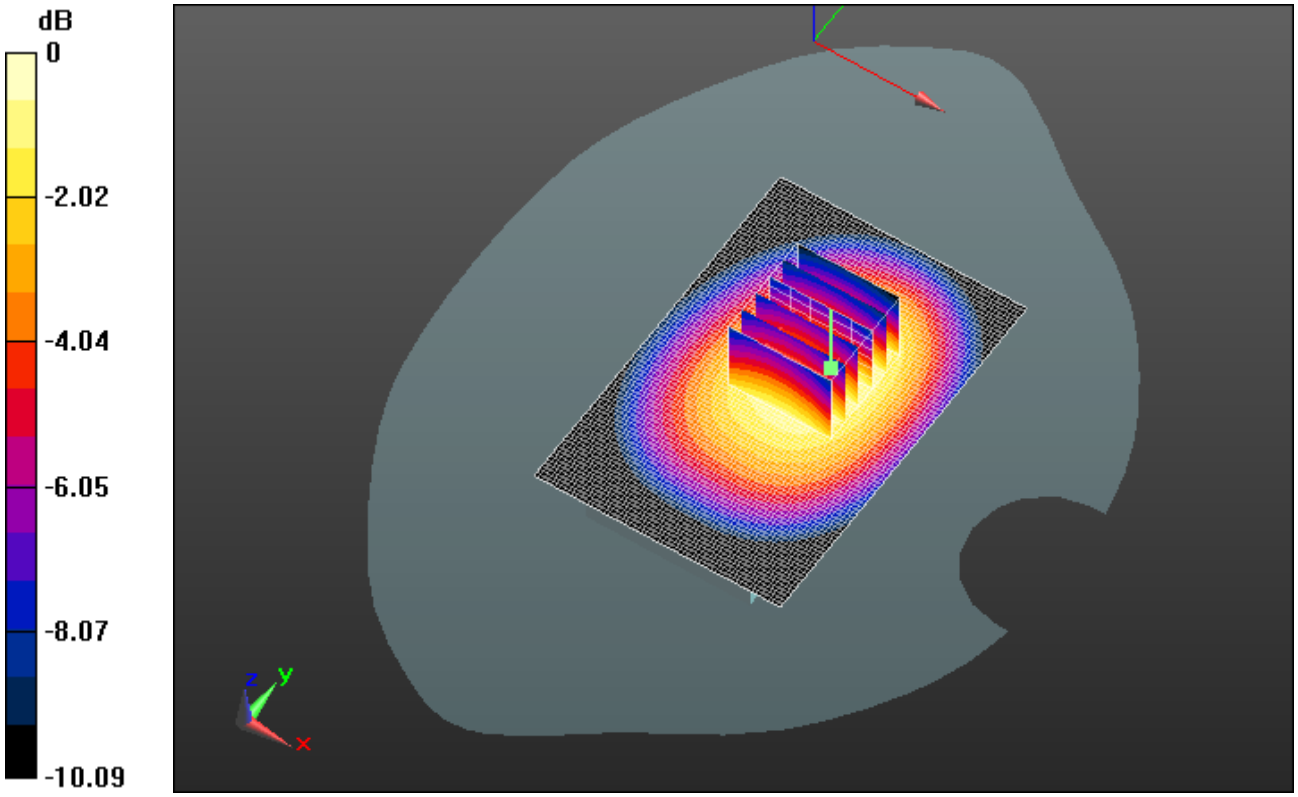
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.934 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.471 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.0920
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.620 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.940 mW/g



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

Date/Time: 7/13/2012 1:16:43 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_UMTS_Band_V_high_chan_amb_temp_23.0C_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.981 mho/m; ε_r = 52.564; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

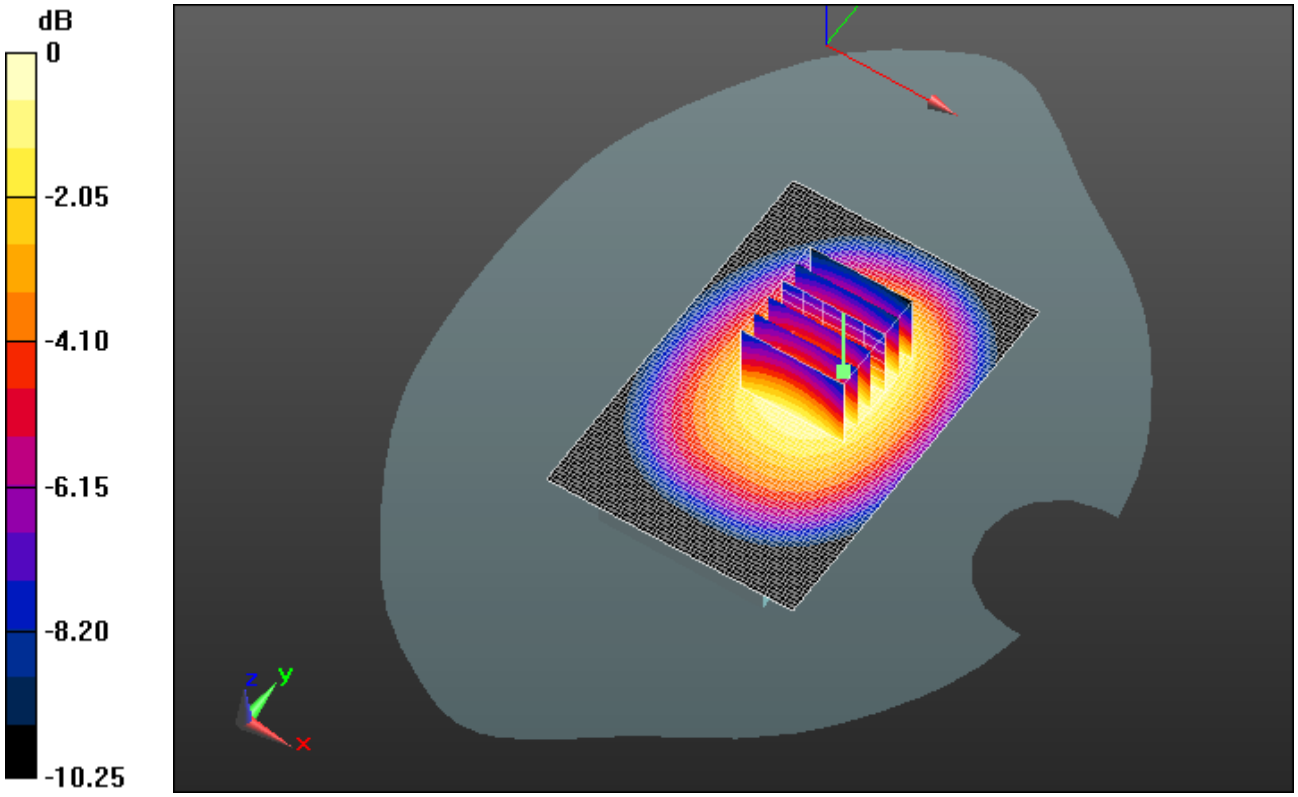
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.975 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.242 V/m; Power Drift = 0.0009 dB
Peak SAR (extrapolated) = 1.1320
SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.641 mW/g

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



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

Date/Time: 7/13/2012 10:01:31 AM

Test Laboratory: RIM Testing Services

MHS_Right_UMTS_V_mid_chan_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 52.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

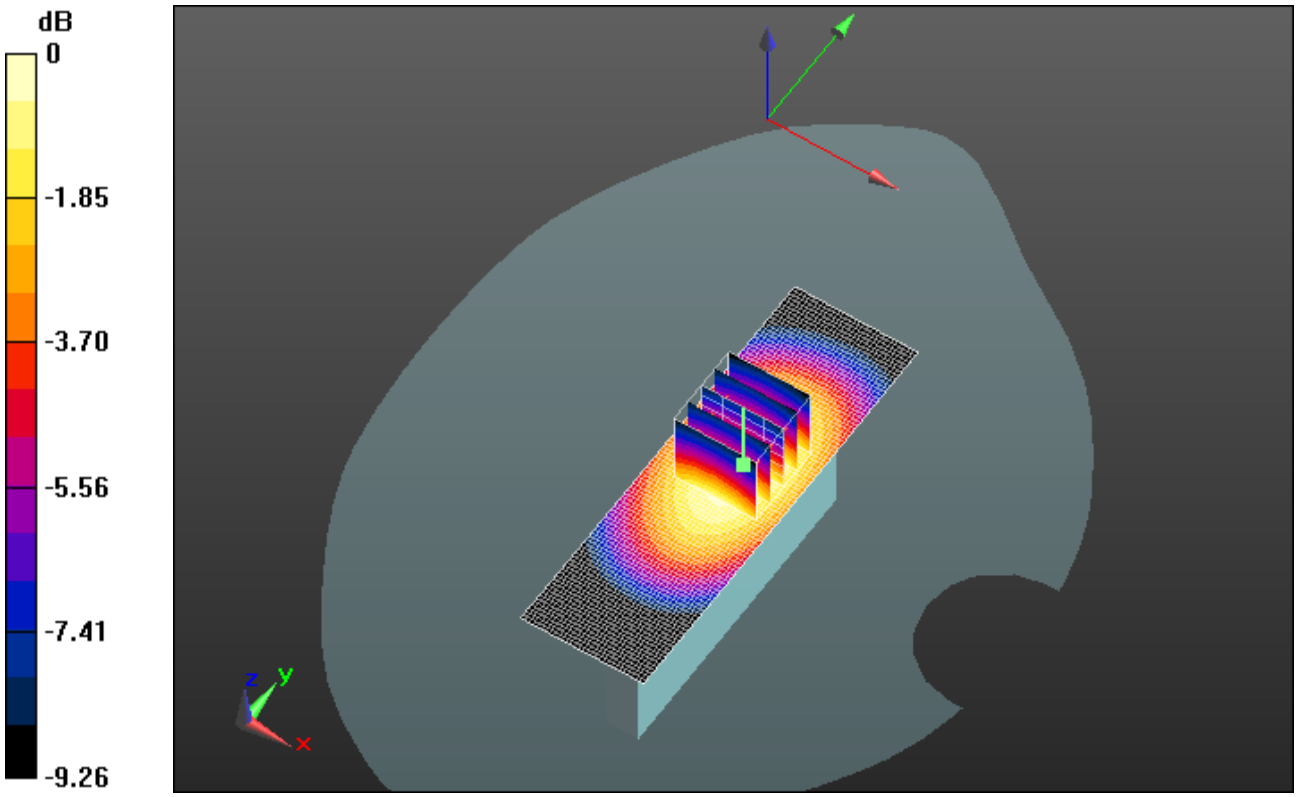
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.854 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.881 V/m; Power Drift = 0.0036 dB
Peak SAR (extrapolated) = 1.0360
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.524 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.856 mW/g



0 dB = 0.860mW/g = -1.31 dB mW/g

Date/Time: 7/13/2012 10:20:23 AM

Test Laboratory: RIM Testing Services

MHS_left_UMTS_V_mid_chan_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 52.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

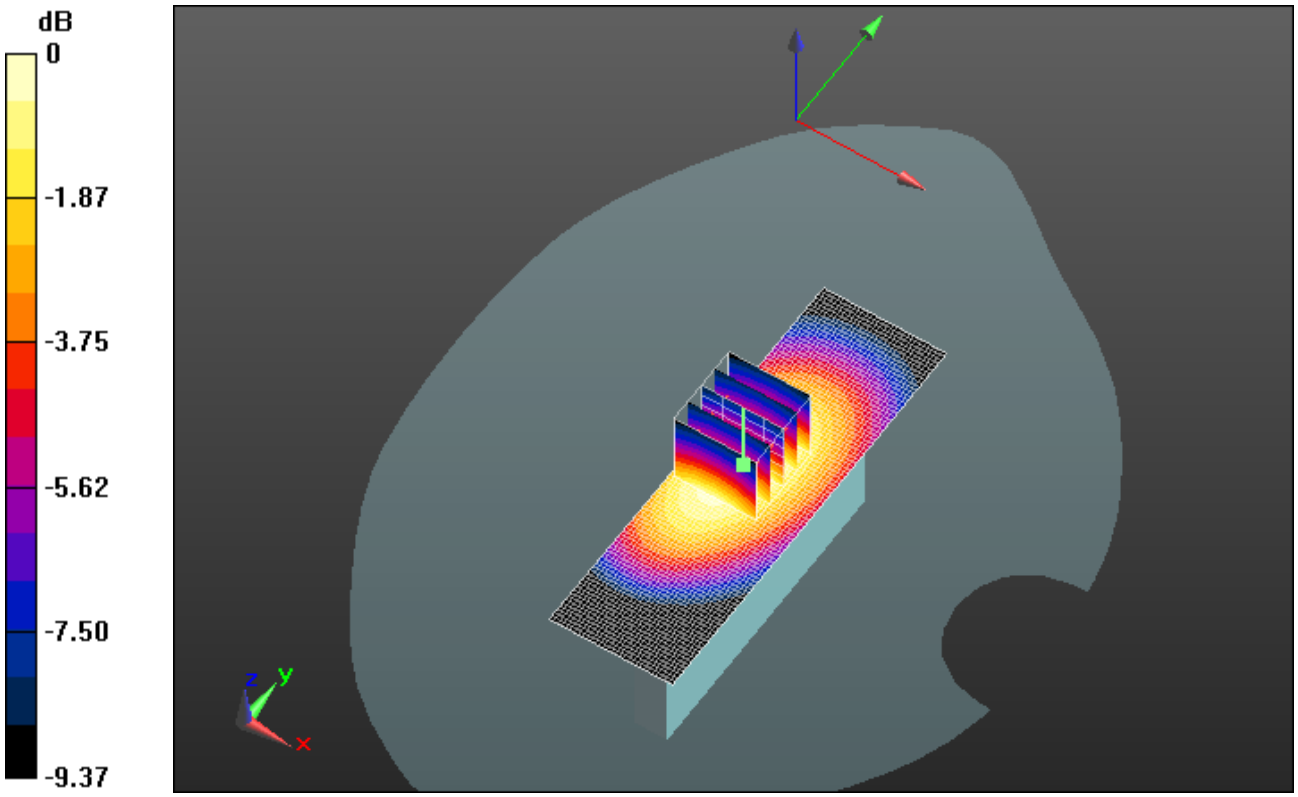
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.671 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.718 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.8180
SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.408 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.673 mW/g



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

Date/Time: 7/13/2012 9:43:37 AM

Test Laboratory: RIM Testing Services

MHS_Bottom_UMTS_Band_V_mid_chan_amb_temp_23.6C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.97 mho/m; ε_r = 52.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

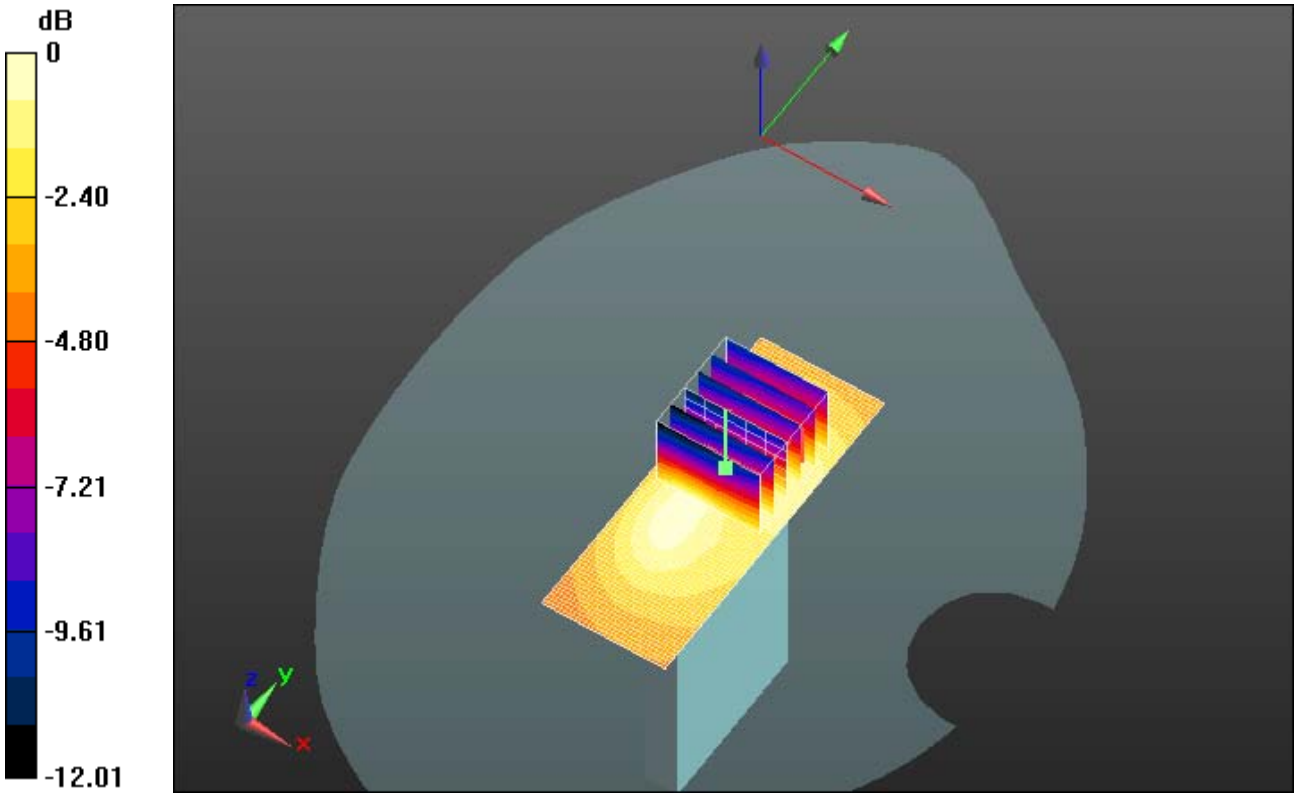
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.071 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.020 V/m; Power Drift = 0.0063 dB
Peak SAR (extrapolated) = 0.1040
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.039 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.072 mW/g



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

Date/Time: 7/27/2012 12:34:01 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_IV_low_chan_amb_temp_23.1 C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.454 mho/m; ε_r = 51.578; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

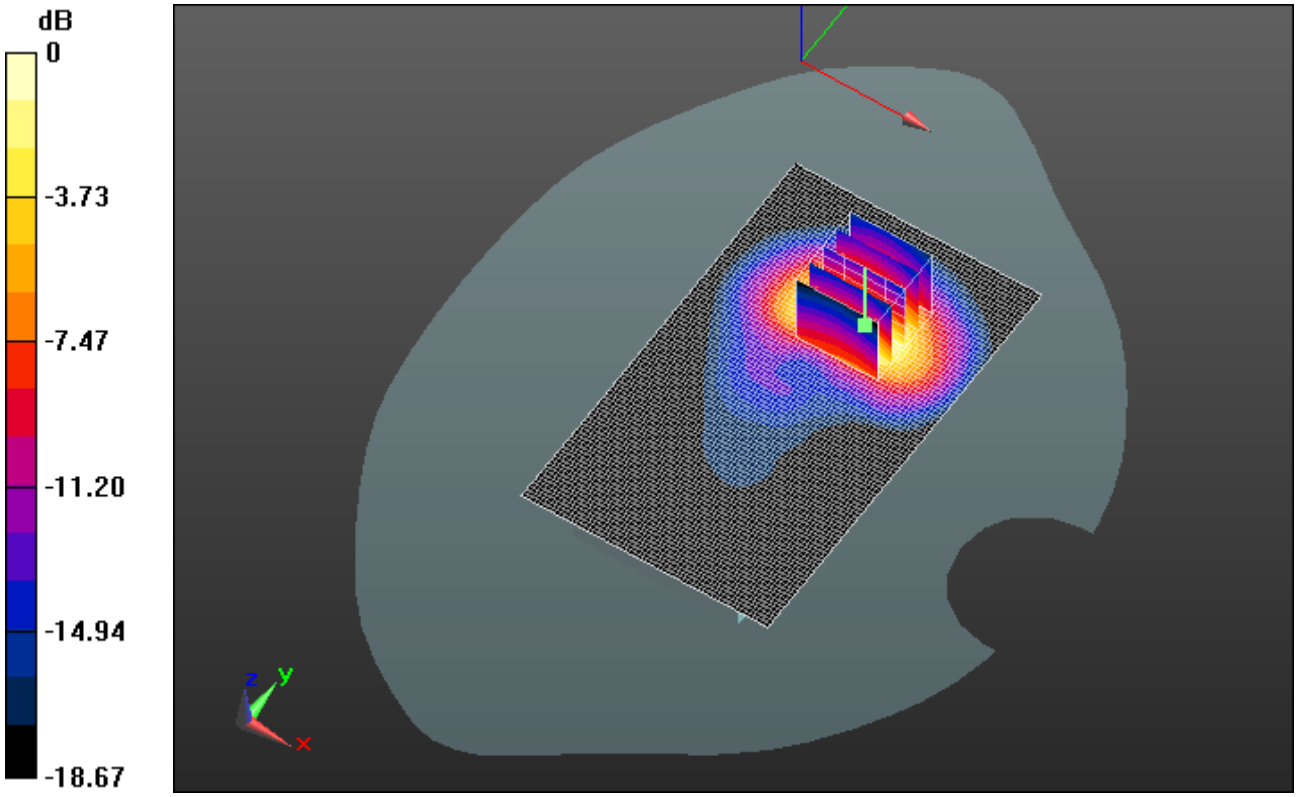
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.047 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.922 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.2700
SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.366 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.872 mW/g



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

Date/Time: 7/27/2012 12:14:48 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_IV_mid_chan_amb_temp_23.0 C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.477 mho/m; ε_r = 51.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

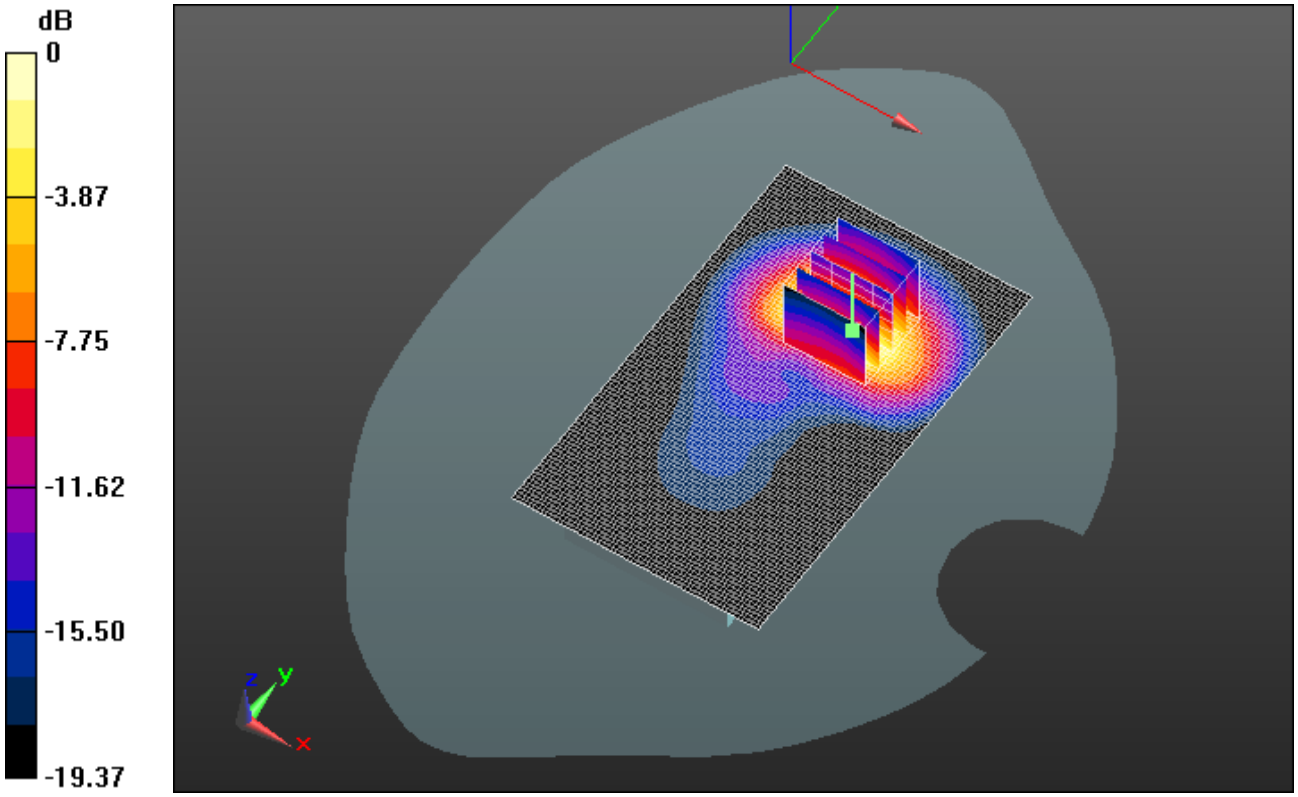
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.583 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.967 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.9830
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.569 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.375 mW/g



0 dB = 1.370mW/g = 2.73 dB mW/g

Date/Time: 7/27/2012 12:50:37 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_UMTS_Band_IV_high_chan_amb_temp_23.0C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.501 mho/m; ε_r = 51.367; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

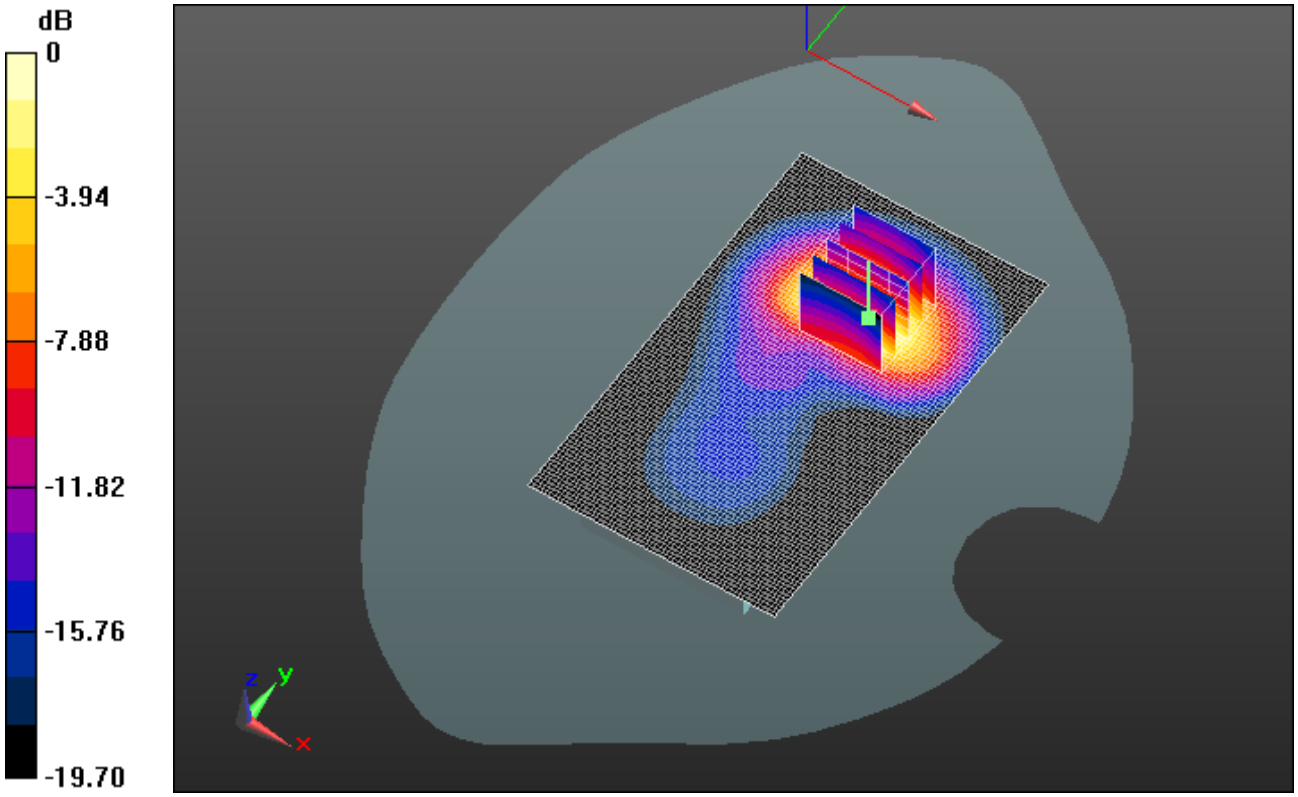
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.511 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.079 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.9050
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.547 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.322 mW/g



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

Date/Time: 7/27/2012 1:29:02 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_UMTS_Band_IV_mid_chan_amb_temp_23.0C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.477 mho/m; ε_r = 51.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

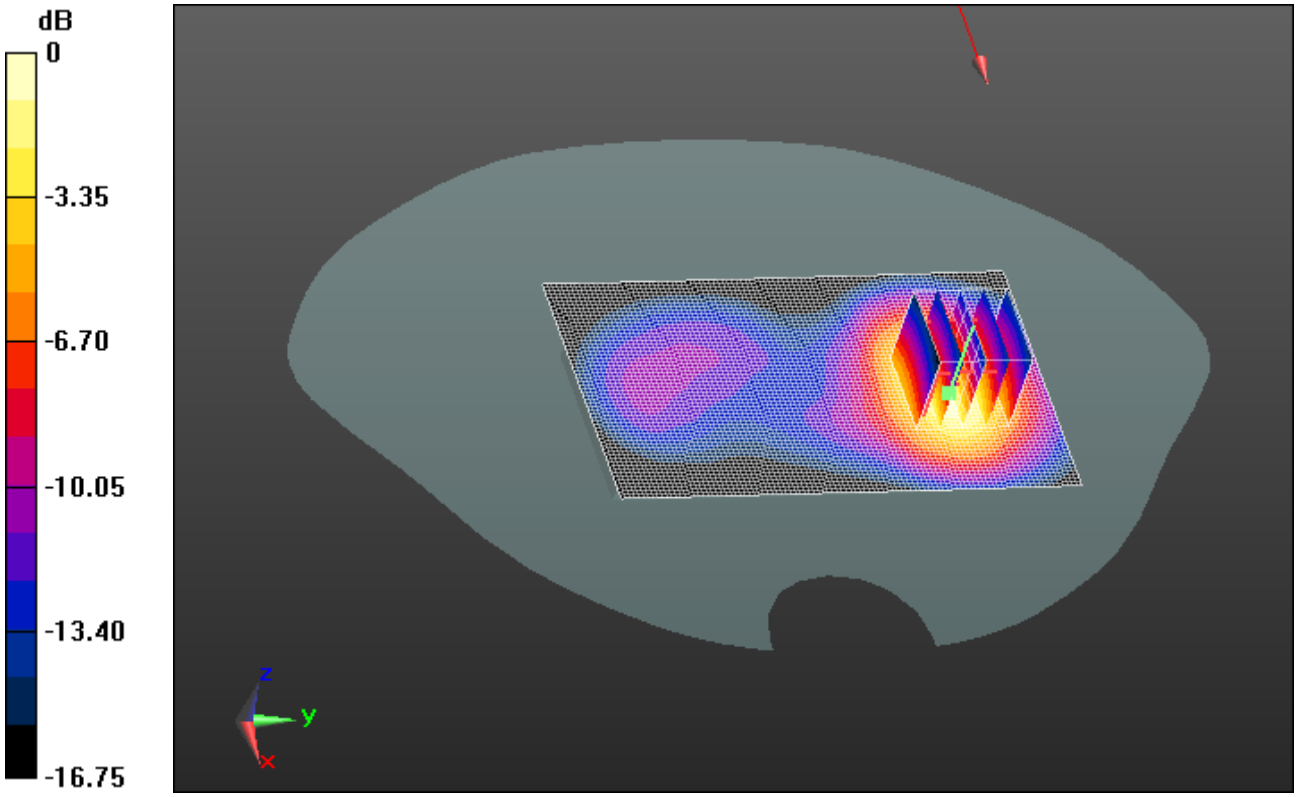
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.452 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.298 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.6160
SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.208 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.451 mW/g



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

Date/Time: 7/27/2012 10:17:17 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Right_UMTS_Band_IV_mid_chan_amb_temp_23.3C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A4A5839

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.477 mho/m; ε_r = 51.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

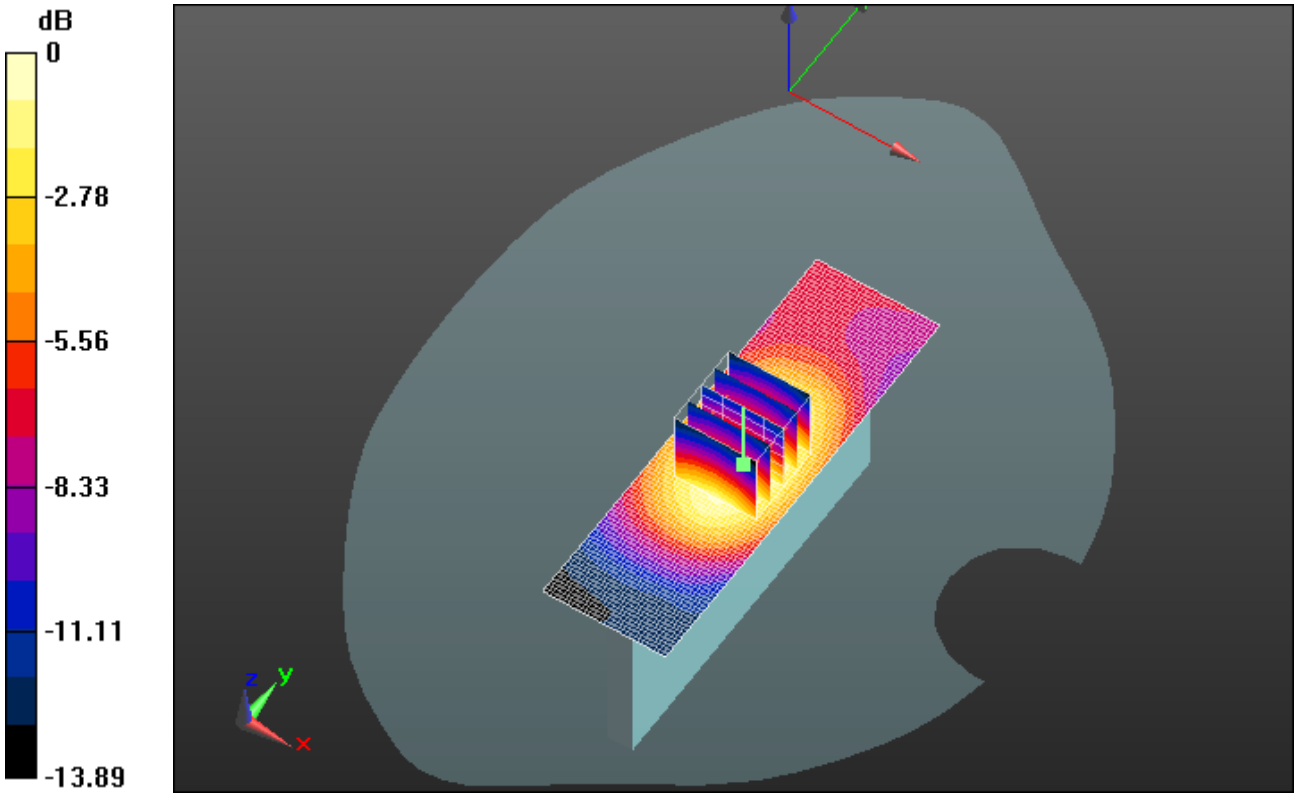
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.112 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.081 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.1440
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.058 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.111 mW/g



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

Date/Time: 7/27/2012 10:03:44 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Left_UMTS_Band_IV_mid_chan_amb_temp_23.4 C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.477 mho/m; ε_r = 51.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

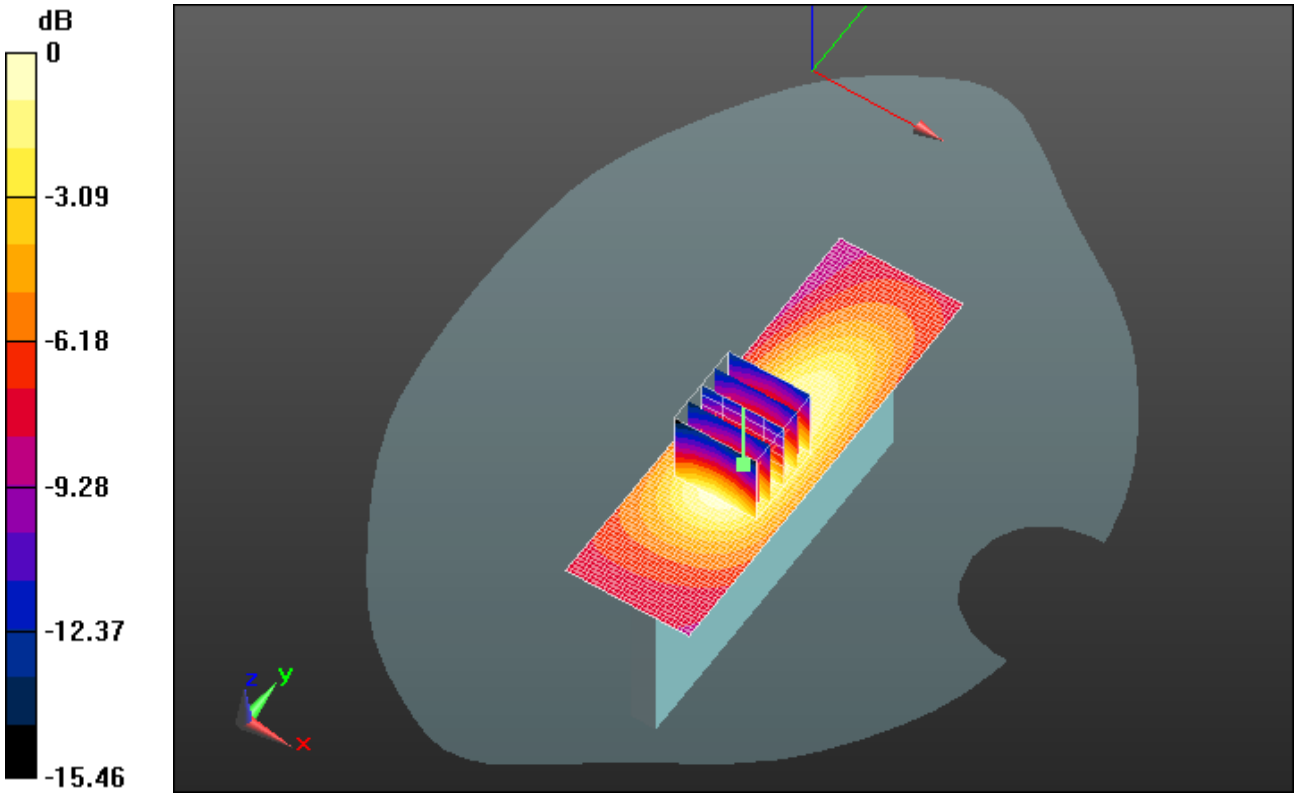
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.107 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.321 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.1340
SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.052 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: 7/27/2012 10:32:44 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Bottom_UMTS_Band_IV_mid_chan_amb_temp_2 3.2_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.477 mho/m; ε_r = 51.465; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

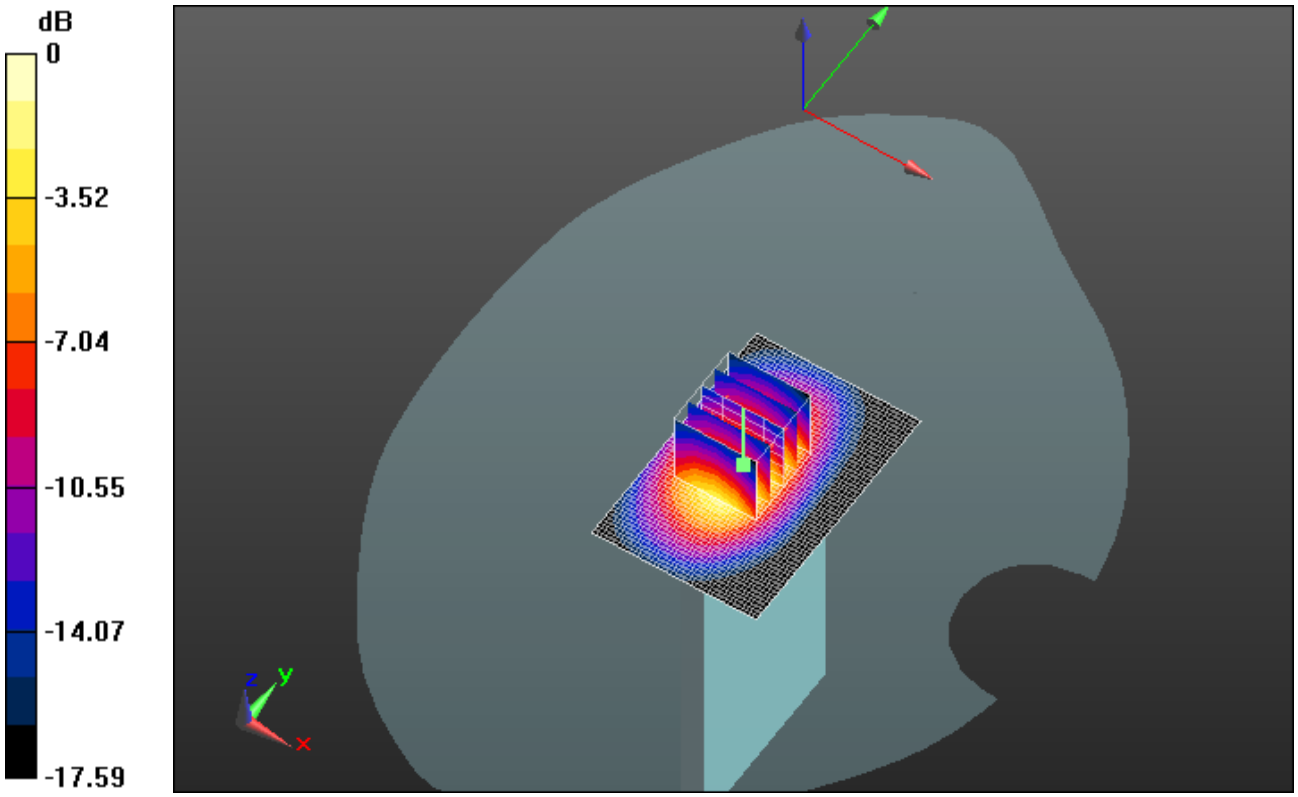
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.966 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.557 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.1380
SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.361 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.837 mW/g



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

Date/Time: 7/30/2012 5:49:05 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS 1900_low_chan_amb_temp_23.7C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: GPRS 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.497 mho/m; ε_r = 51.114; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

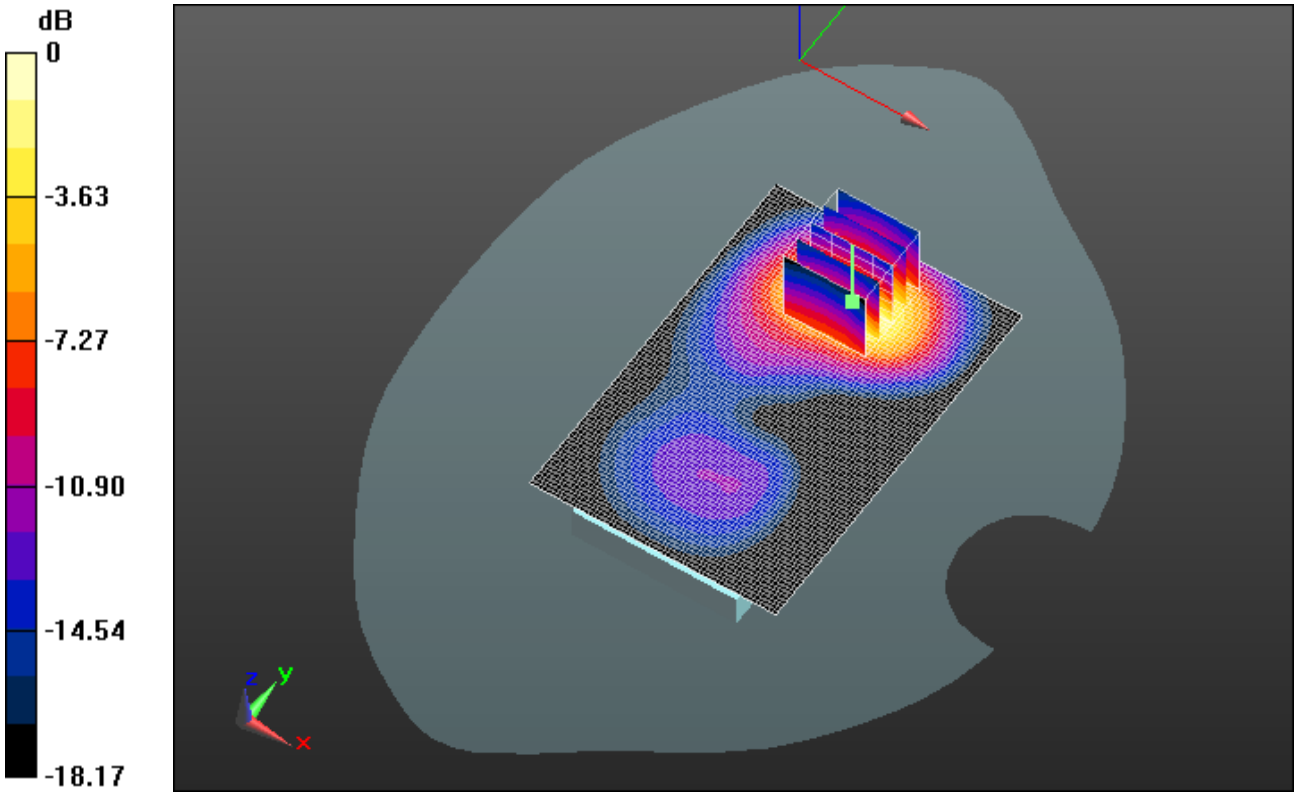
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.679 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.694 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 2.4690
SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.715 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.759 mW/g



0 dB = 1.760mW/g = 4.91 dB mW/g

Date/Time: 7/30/2012 6:10:57 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS 1900_mid_chan_amb_temp_23.7C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

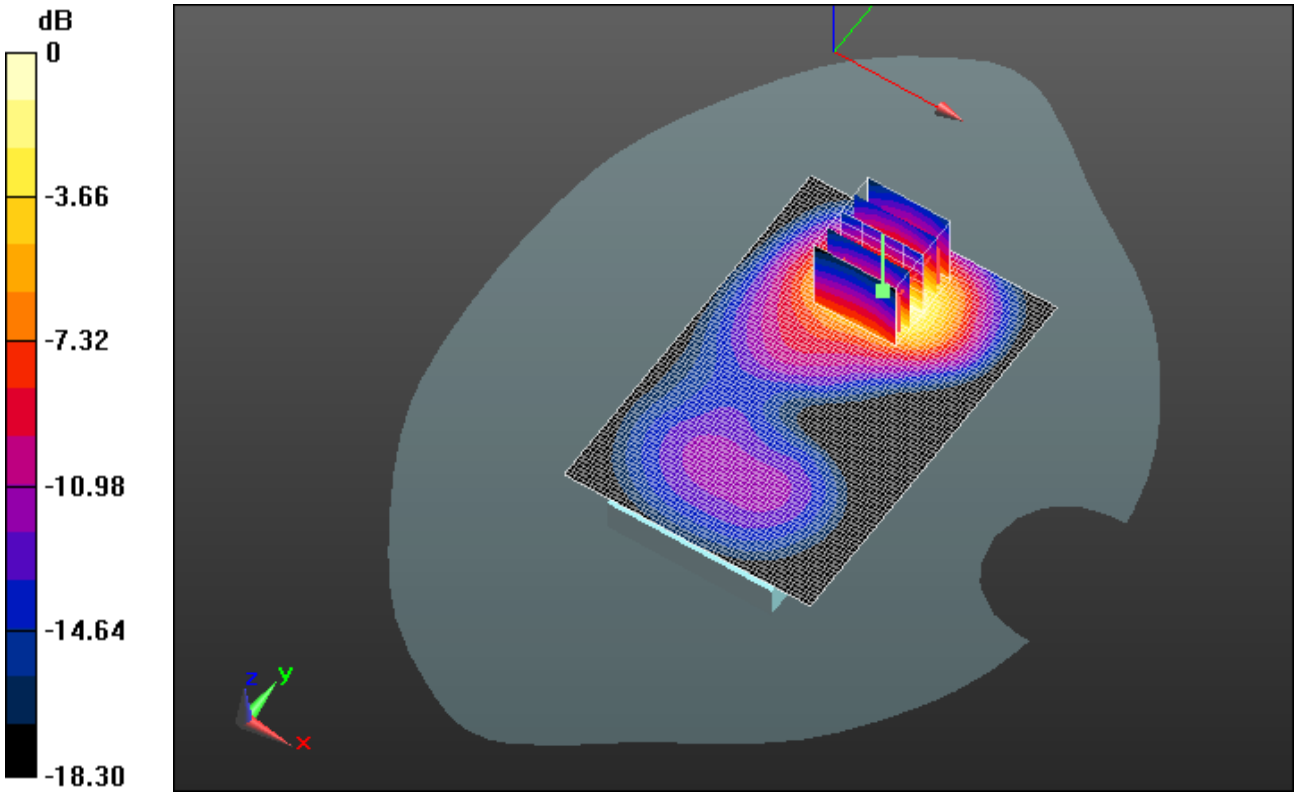
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.495 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.132 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.2270
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.651 mW/g
Maximum value of SAR (measured) = 1.603 mW/g



0 dB = 1.600mW/g = 4.08 dB mW/g

Date/Time: 7/30/2012 6:28:20 PM

Test Laboratory: RIM Testing Services

MHS_Back_GPRS 1900_high_chan_amb_temp_23.7C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

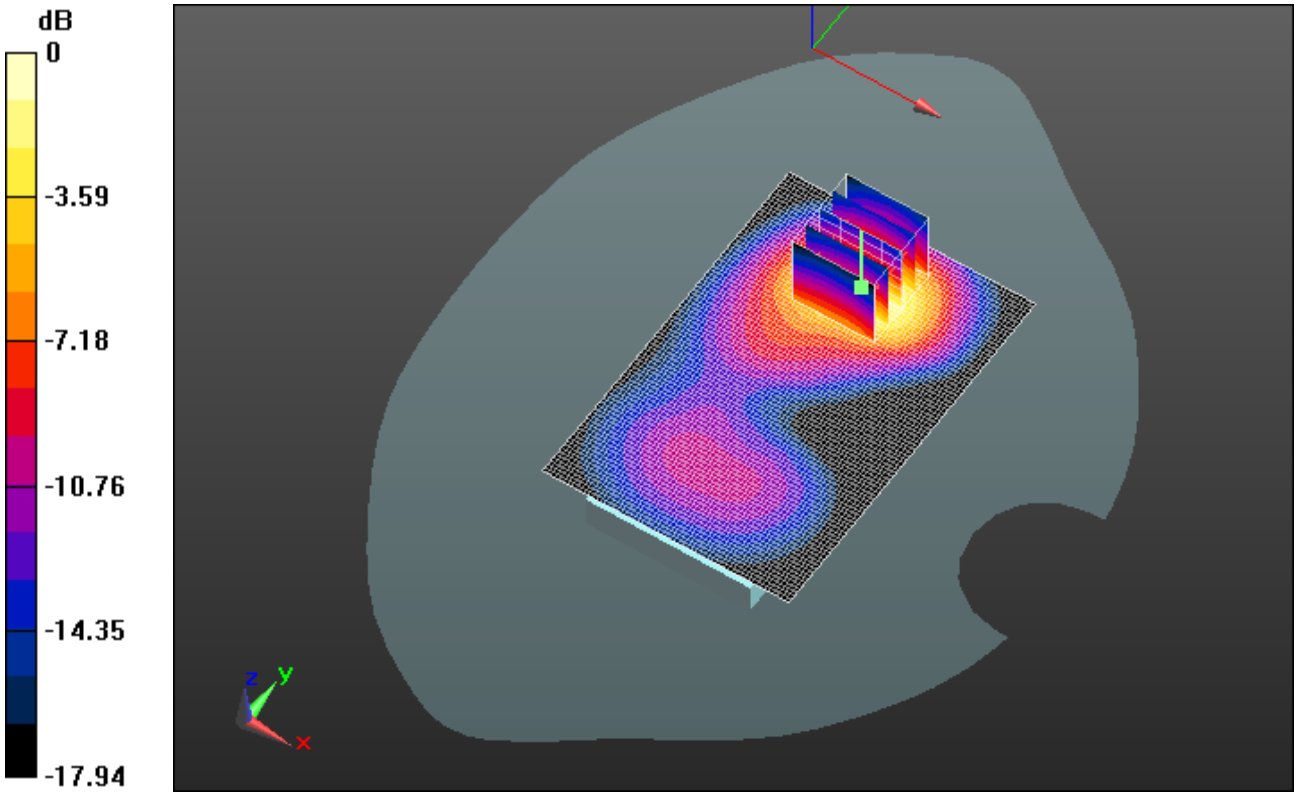
Communication System: GPRS 1900; Frequency: 1909.8 MHz
Medium parameters used: f = 1910 MHz; σ = 1.568 mho/m; ε_r = 50.893; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.421 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.074 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.1090
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.519 mW/g



0 dB = 1.520mW/g = 3.64 dB mW/g

Date/Time: 7/30/2012 6:59:22 PM

Test Laboratory: RIM Testing Services

MHS_Front_GPRS 1900_mid_chan_amb_temp_23.2C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

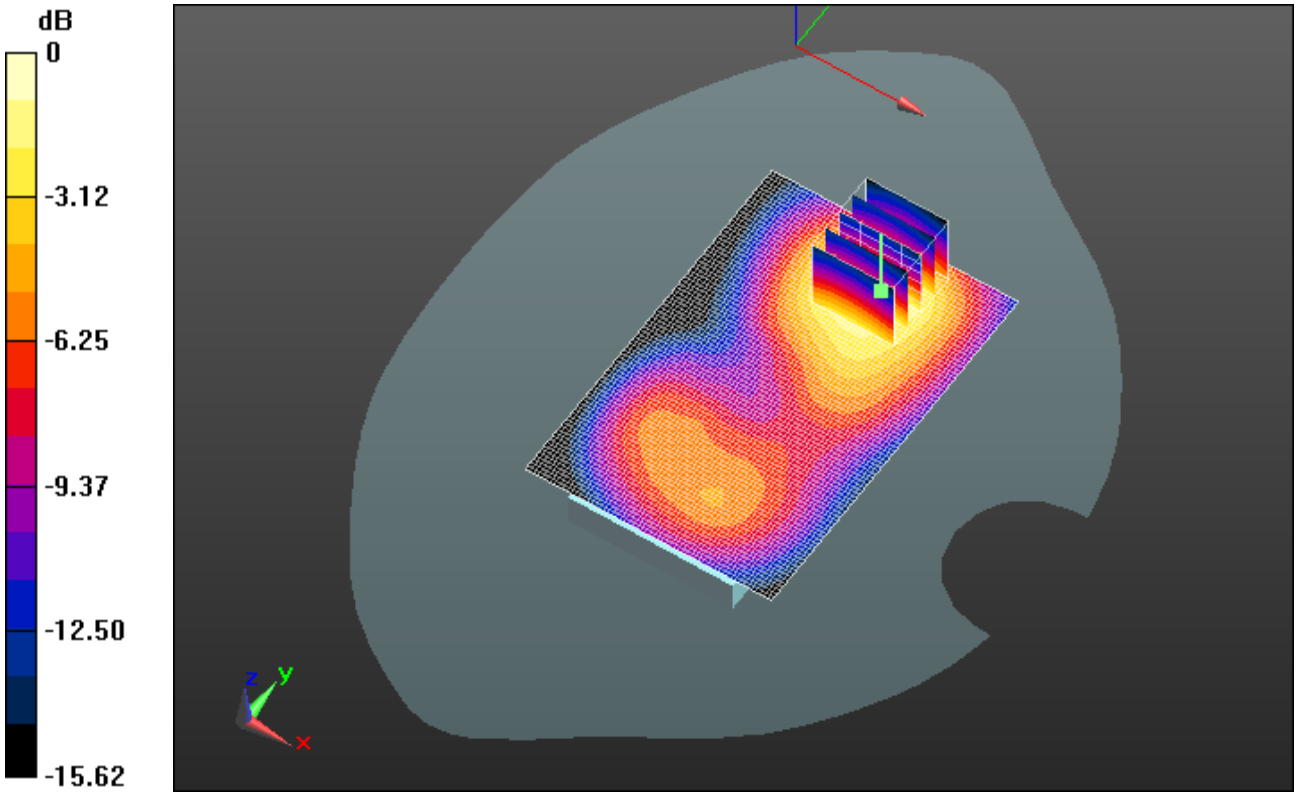
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.396 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.391 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.5640
SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.411 mW/g



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

Date/Time: 7/30/2012 7:30:55 PM

Test Laboratory: RIM Testing Services

MHS_Right_GPRS 1900_mid_chan_amb_temp_23.1C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

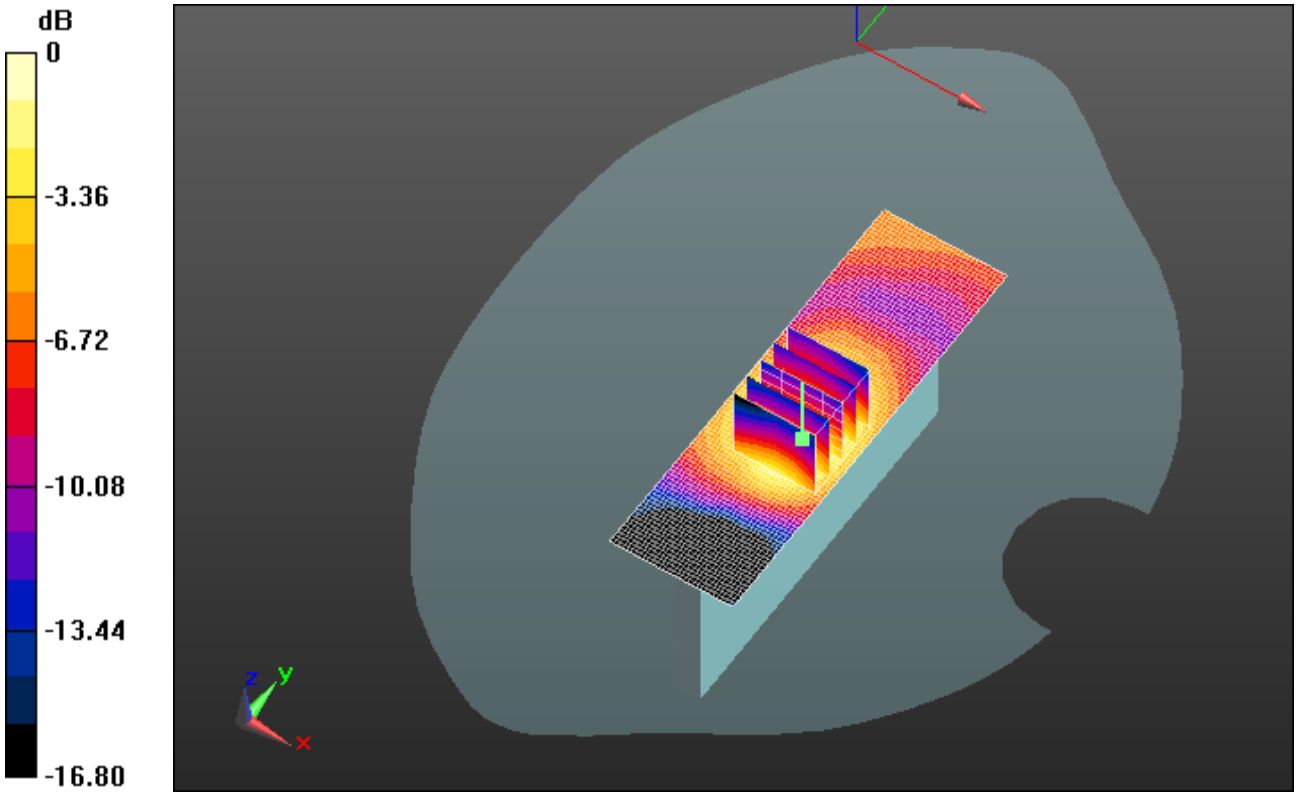
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.079 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.052 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.1010
SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.077 mW/g



0 dB = 0.080mW/g = -21.94 dB mW/g

Date/Time: 7/30/2012 8:15:20 PM

Test Laboratory: RIM Testing Services

MHS_Left_GPRS 1900_mid_chan_amb_temp_23.4C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

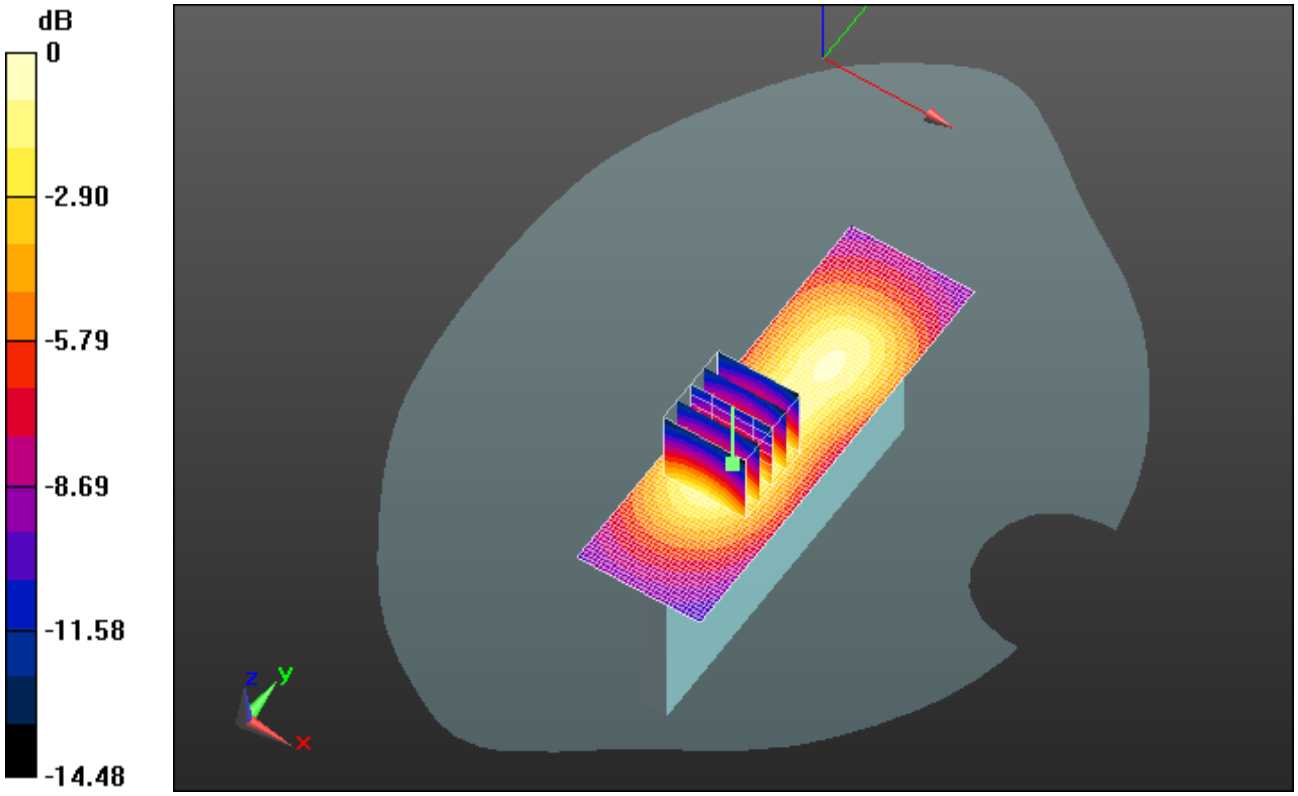
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 = 11.280 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2960
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.225 mW/g



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

Date/Time: 7/30/2012 8:41:13 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Bottom_GPRS1900_mid_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

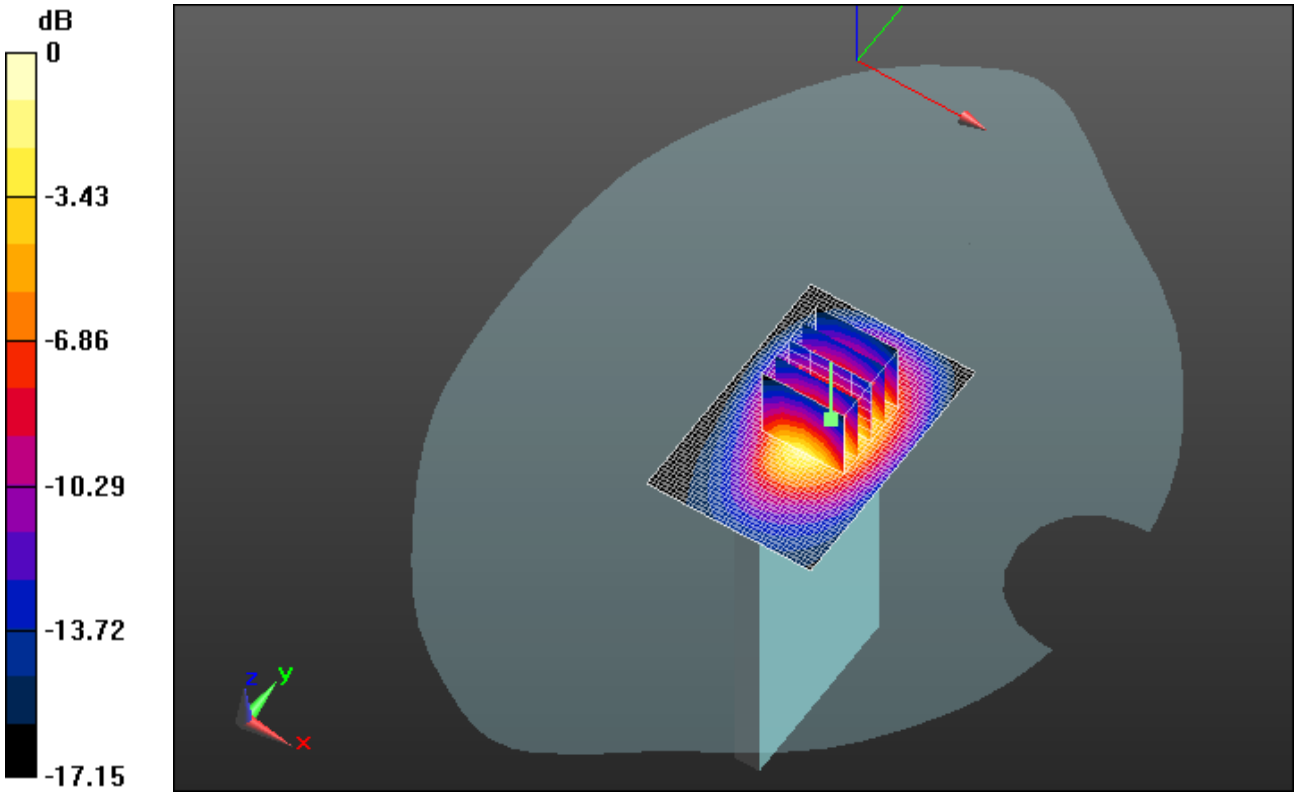
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.975 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.022 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.1860
SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.866 mW/g



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

Date/Time: 7/30/2012 2:48:32 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_low_chan_amb_temp_23.9C_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.501 mho/m; ε_r = 51.101; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

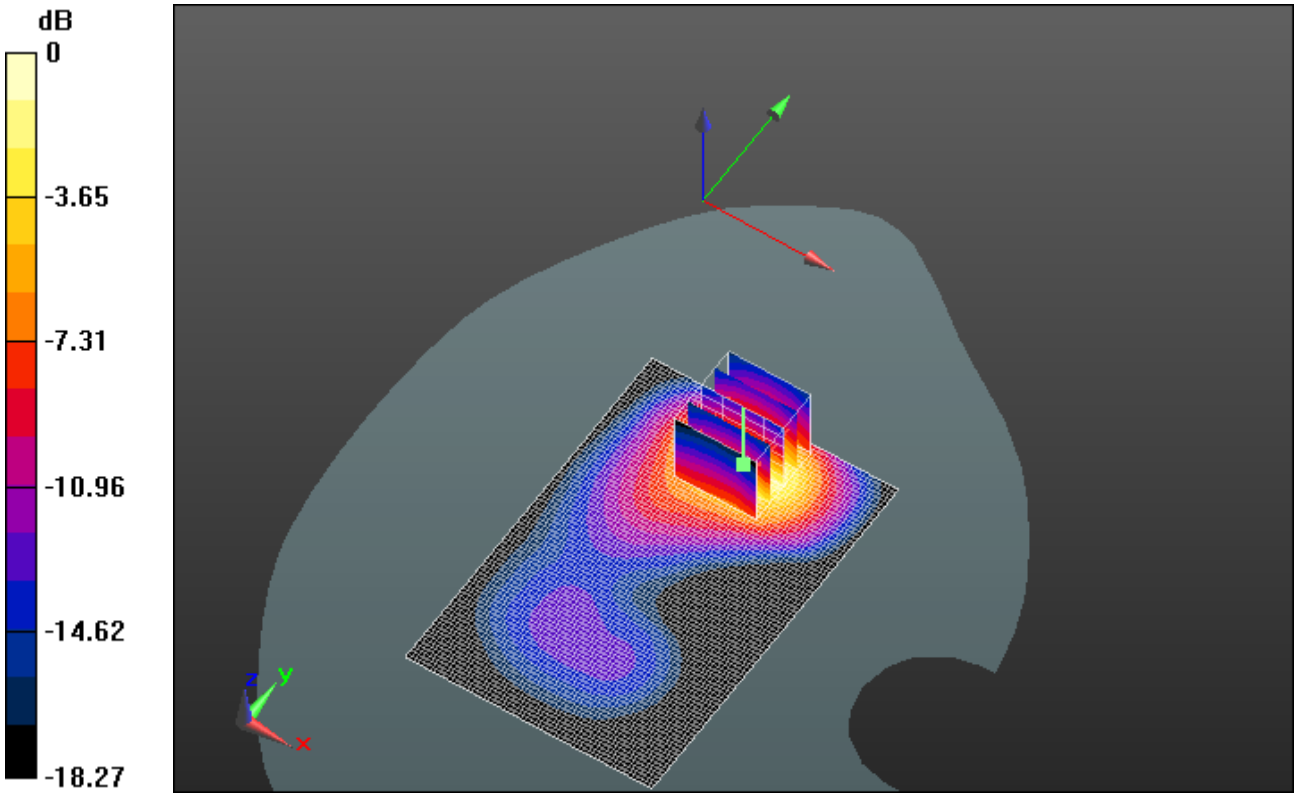
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.682 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.337 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.4310
SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.722 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.757 mW/g



0 dB = 1.760mW/g = 4.91 dB mW/g

Date/Time: 7/30/2012 2:32:16 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_mid_chan_amb_temp_23.6C_liq_temp_23.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

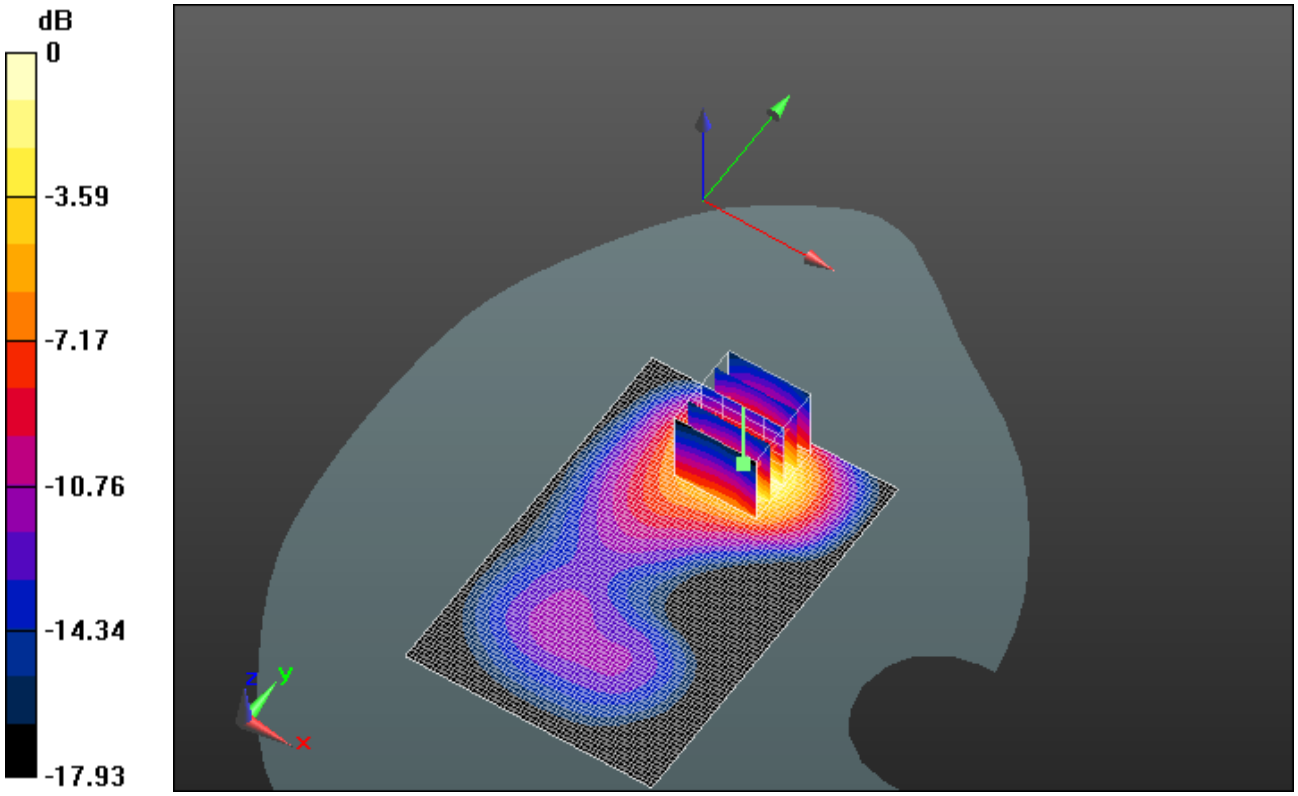
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 1.633 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.996 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.3680
SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.704 mW/g
Maximum value of SAR (measured) = 1.707 mW/g



0 dB = 1.710mW/g = 4.66 dB mW/g

Date/Time: 7/30/2012 3:04:38 PM

Test Laboratory: RIM Testing Services

MHS_Back_UMTS_Band_II_high_chan_amb_temp_23.8C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.566 mho/m; ε_r = 50.899; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

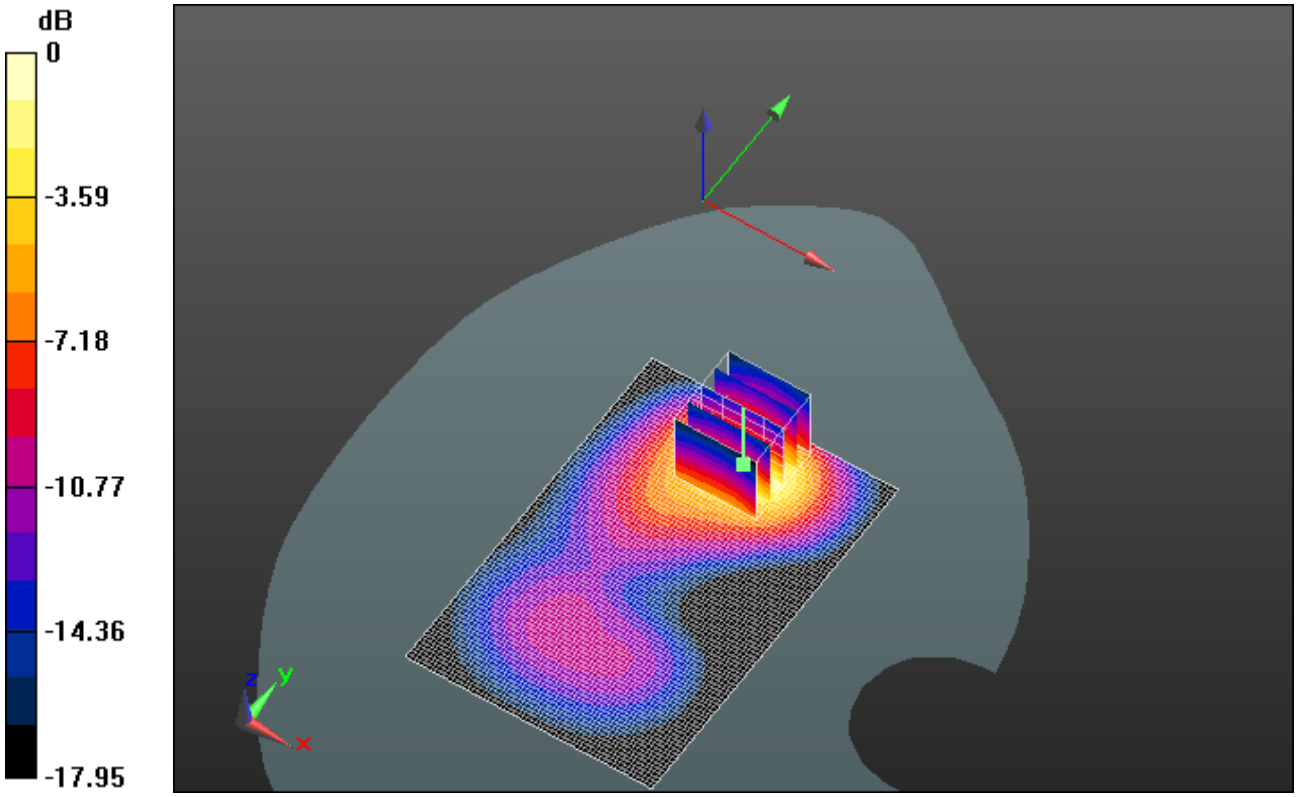
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.545 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.235 V/m; Power Drift = 0.0085 dB
Peak SAR (extrapolated) = 2.1630
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.645 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.561 mW/g



0 dB = 1.560mW/g = 3.86 dB mW/g

Date/Time: 7/30/2012 11:11:01 PM

Test Laboratory: RIM Testing Services

MHS_Front_UMTS_Band_II_mid_chan_amb_temp_22.9C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

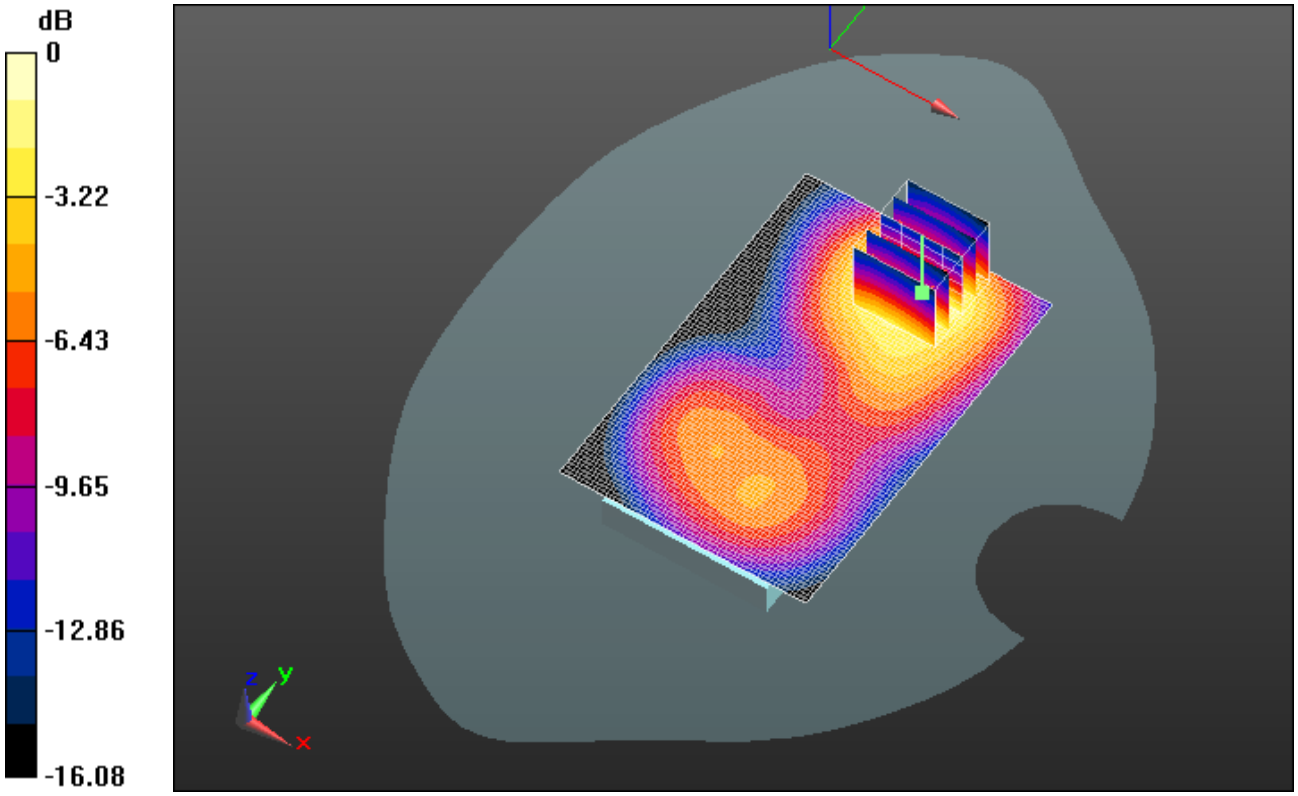
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.452 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.043 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.6400
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.211 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



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

Date/Time: 7/30/2012 10:37:19 PM

Test Laboratory: RIM Testing Services

MHS_Right_UMTS_Band_II_mid_chan_amb_temp_23.1C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

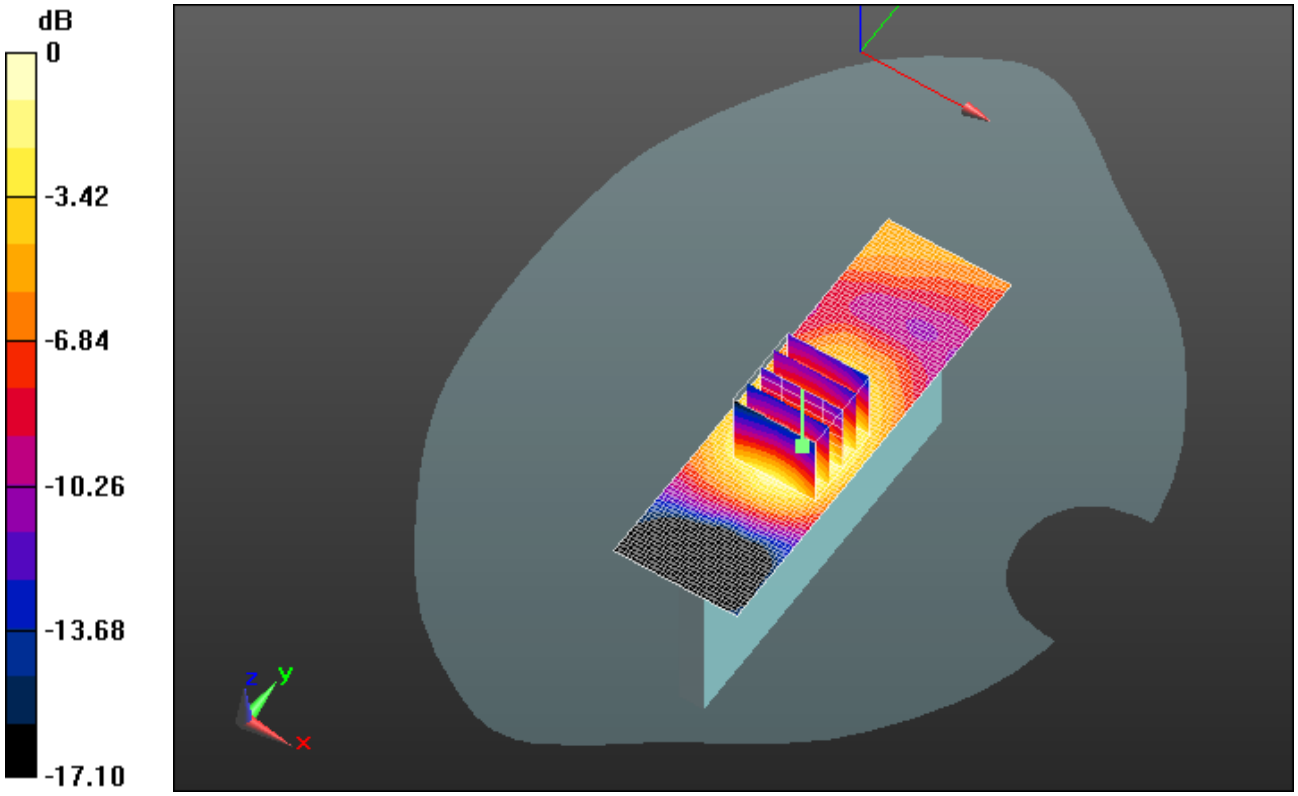
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.086 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.320 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.1100
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.084 mW/g



0 dB = 0.080mW/g = -21.94 dB mW/g

Date/Time: 7/30/2012 10:13:55 PM

Test Laboratory: RIM Testing Services

MHS_Left_UMTS_Band_II_mid_chan_amb_temp_23.3C_liq_temp_22.0 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

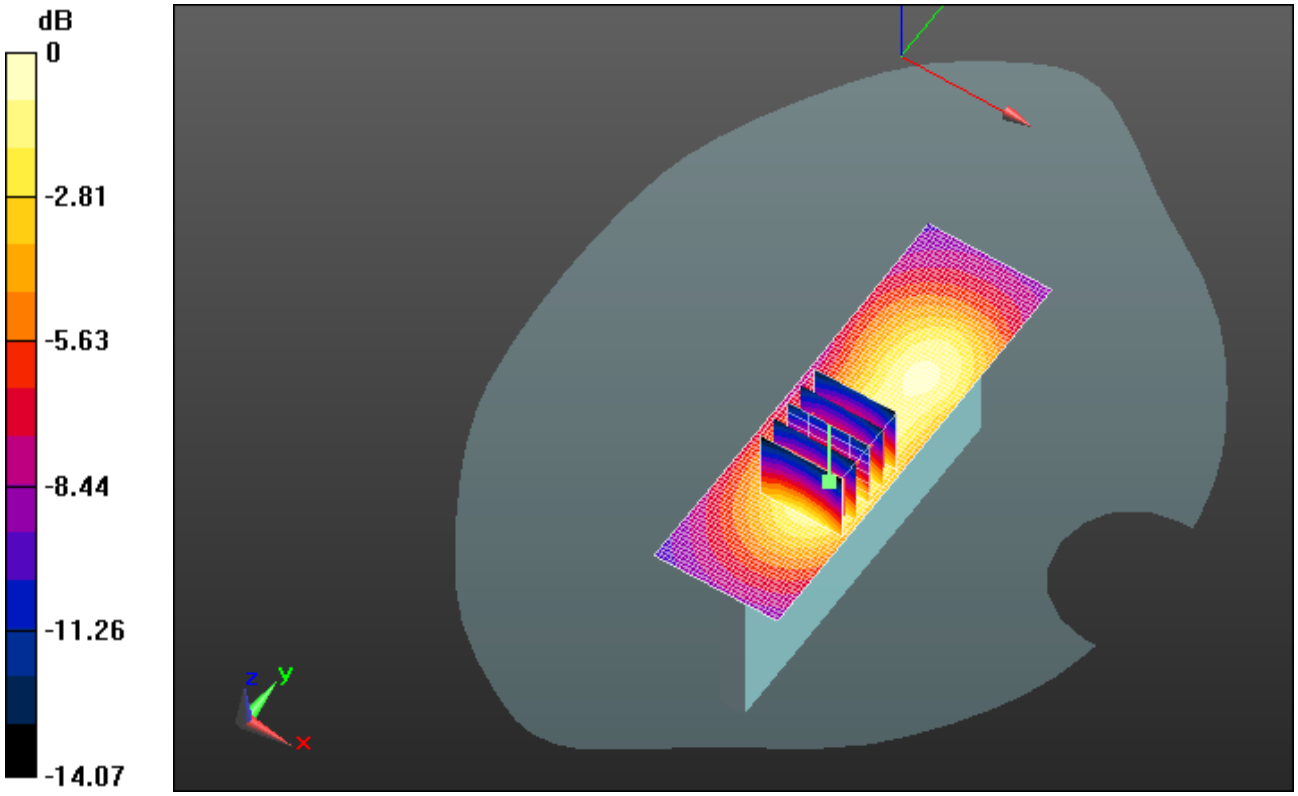
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 = 10.676 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.2920
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.110 mW/g
Maximum value of SAR (measured) = 0.220 mW/g



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

Date/Time: 7/30/2012 9:51:36 PM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Bottom_UMTS_Band_II_mid_chan_amb_temp_23.2_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

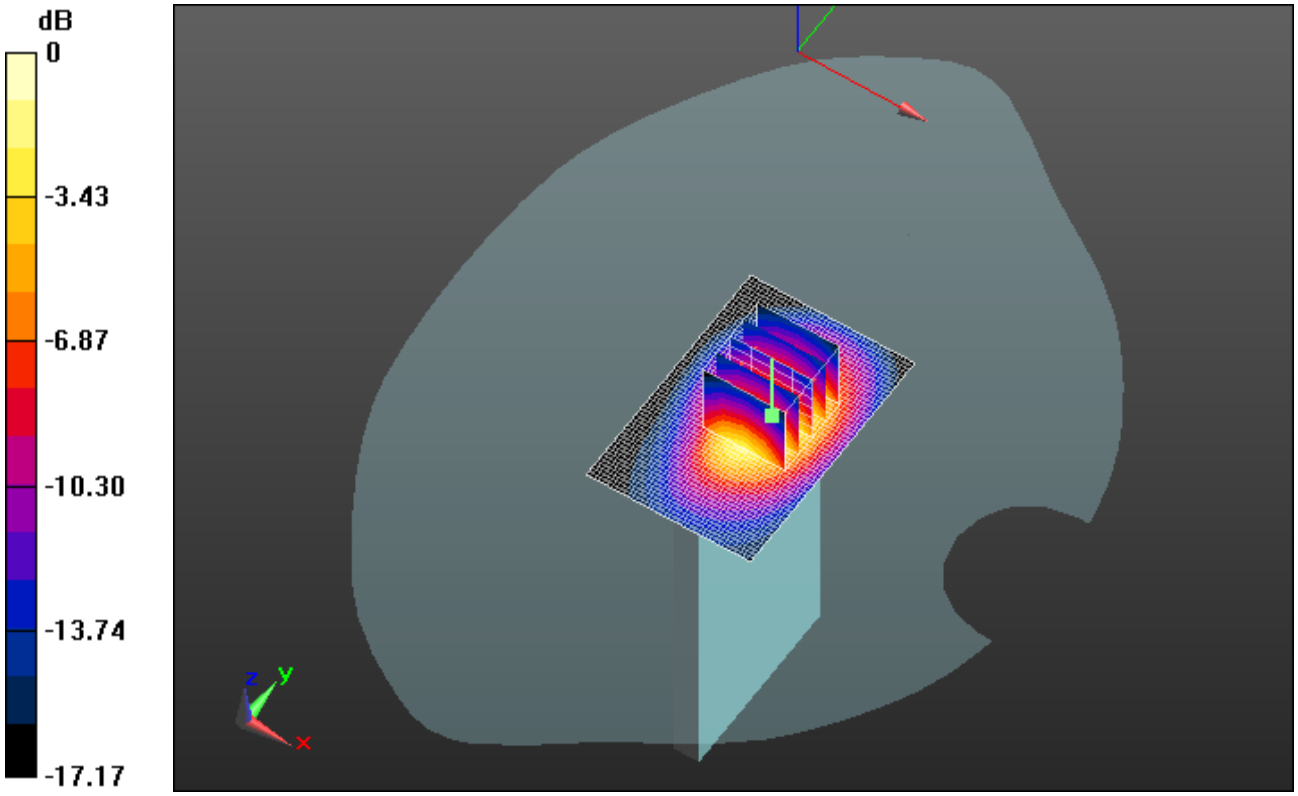
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.533 mho/m; ε_r = 50.995; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (41x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.023 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.088 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.2500
SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.917 mW/g



0 dB = 0.920mW/g = -0.72 dB mW/g

Date/Time: 7/12/2012 9:08:06 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Back_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

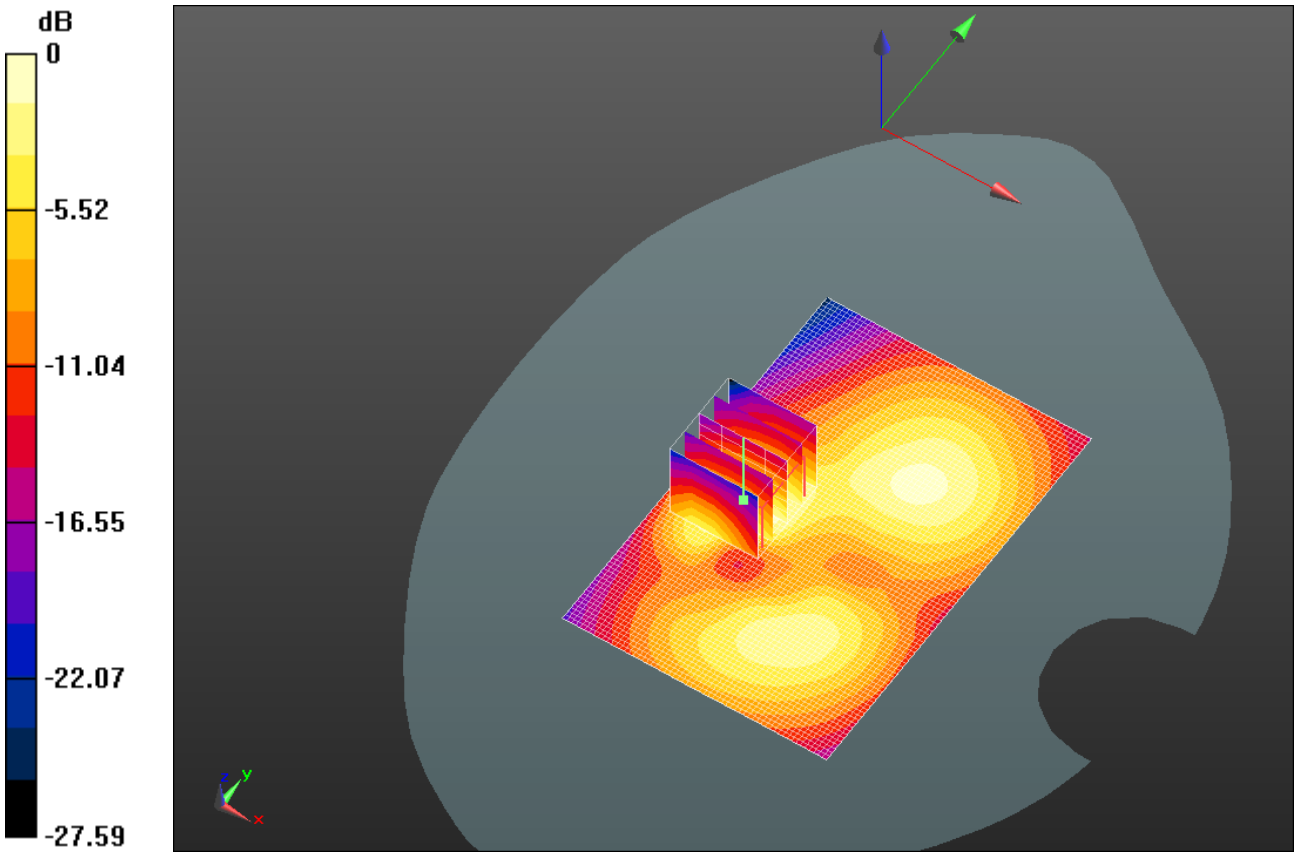
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.336 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.325 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.4640
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.114 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.294 mW/g



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

Date/Time: 7/12/2012 9:50:56 AM

Test Laboratory: RIM Testing Services

MHS_10mm_Spacer_Front_802.11b_high_chan_amb_temp_23.4C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

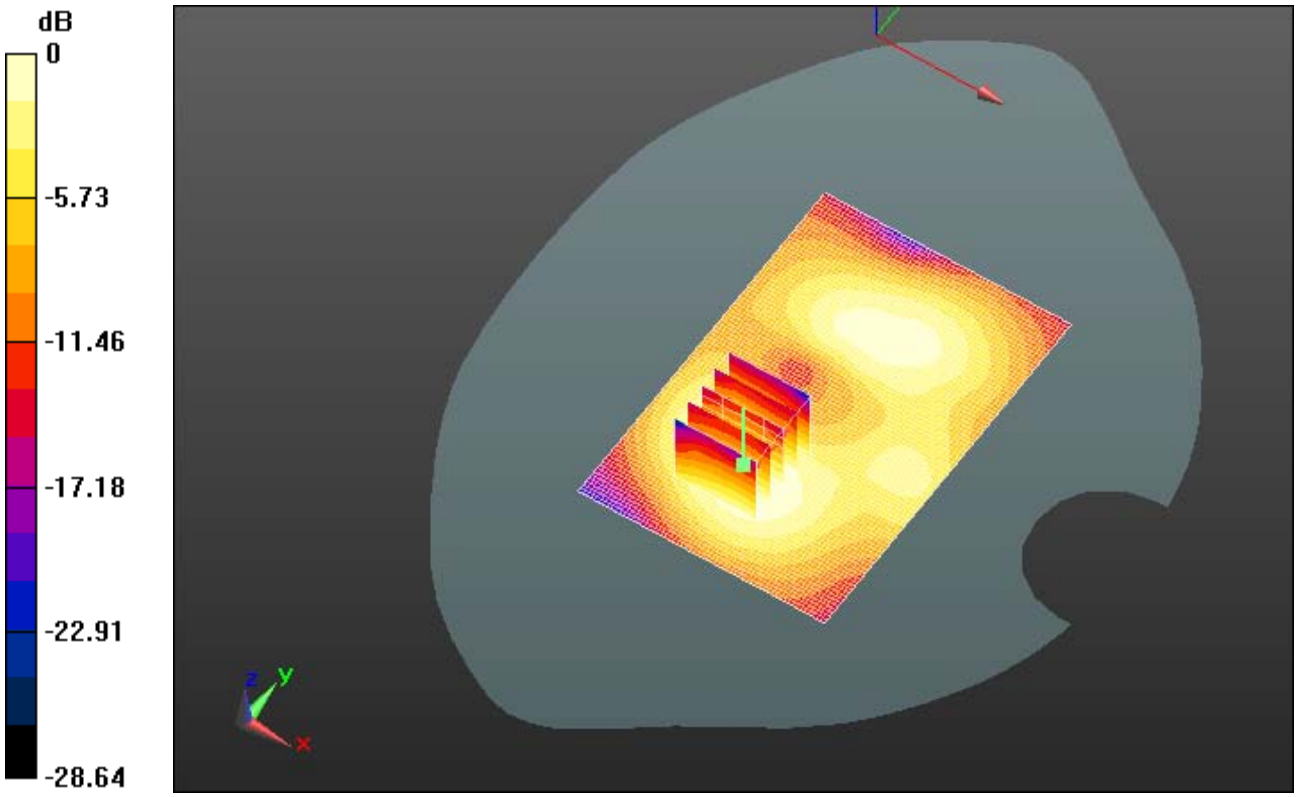
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.076 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.918 V/m; Power Drift = 0.31 dB
Peak SAR (extrapolated) = 0.1000
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.034 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.068 mW/g



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

Date/Time: 7/12/2012 1:10:31 PM

Test Laboratory: RIM Testing Services

MHS_Right_802.11b_high_chan_amb_temp_23.2C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.979 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

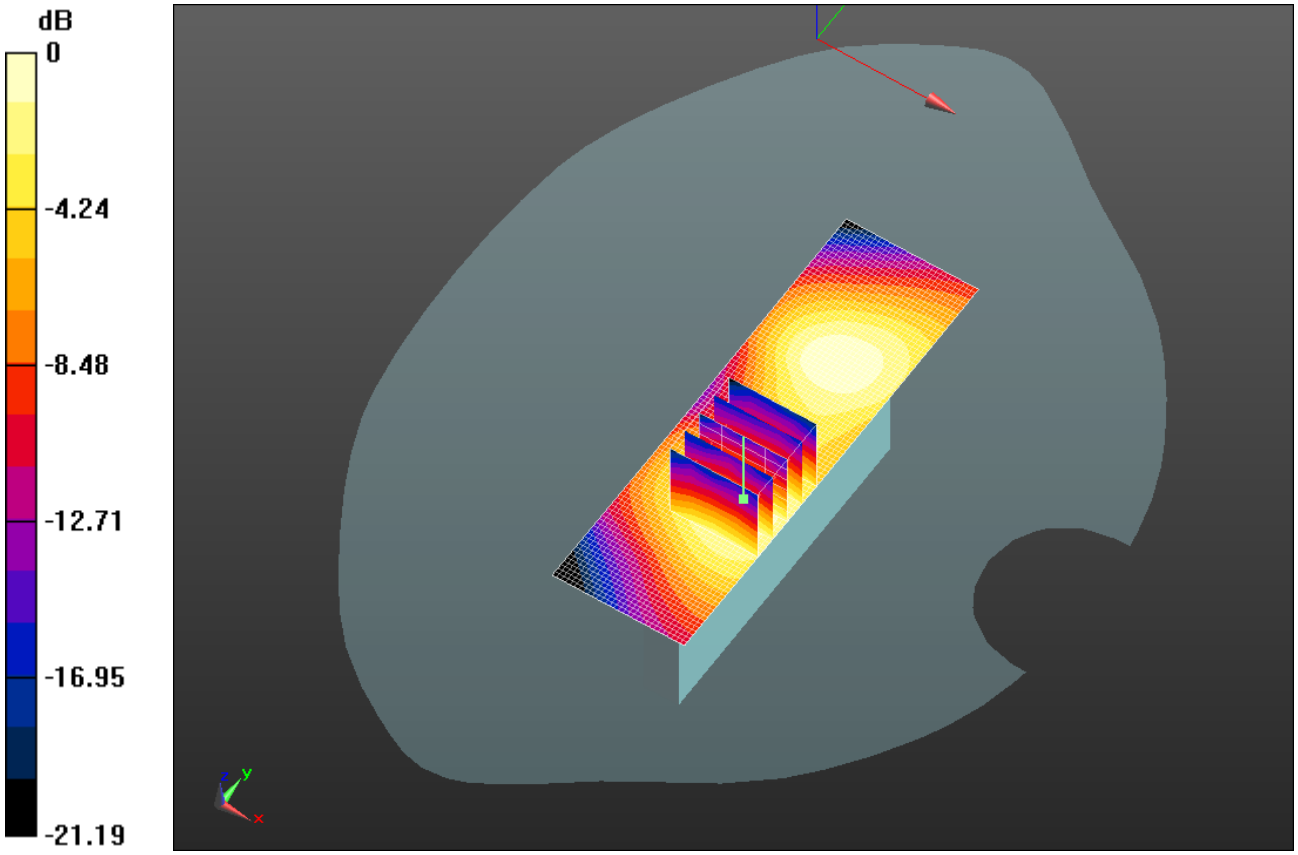
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.093 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.053 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.1330
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.040 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.088 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

Z axis plot for the worst case body configuration