APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 7/13/2012 2:18:42 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_22.5C

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

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 52.673; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

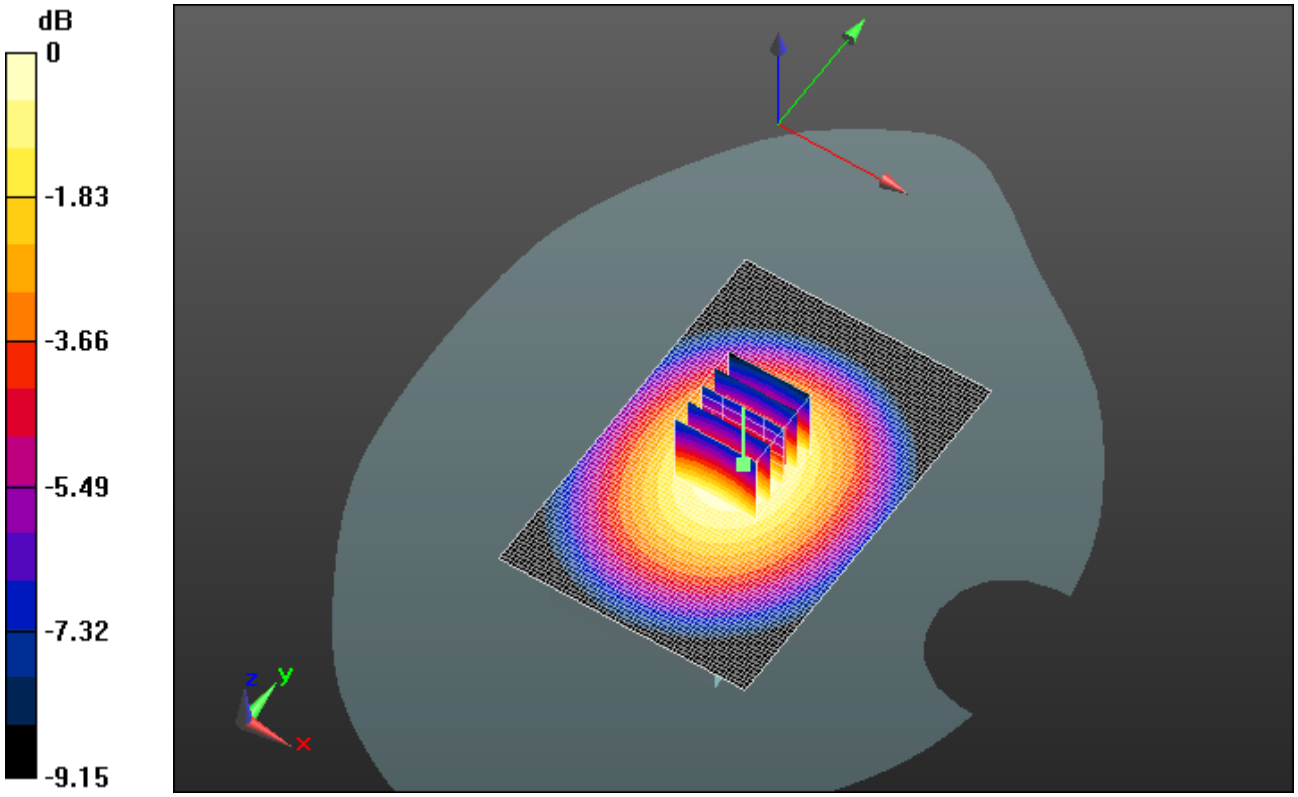
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.685 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.772 V/m; Power Drift = -0.0055 dB
Peak SAR (extrapolated) = 0.7940
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.446 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.682 mW/g



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

Date/Time: 7/13/2012 2:59:24 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_22.5C

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

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 52.673; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

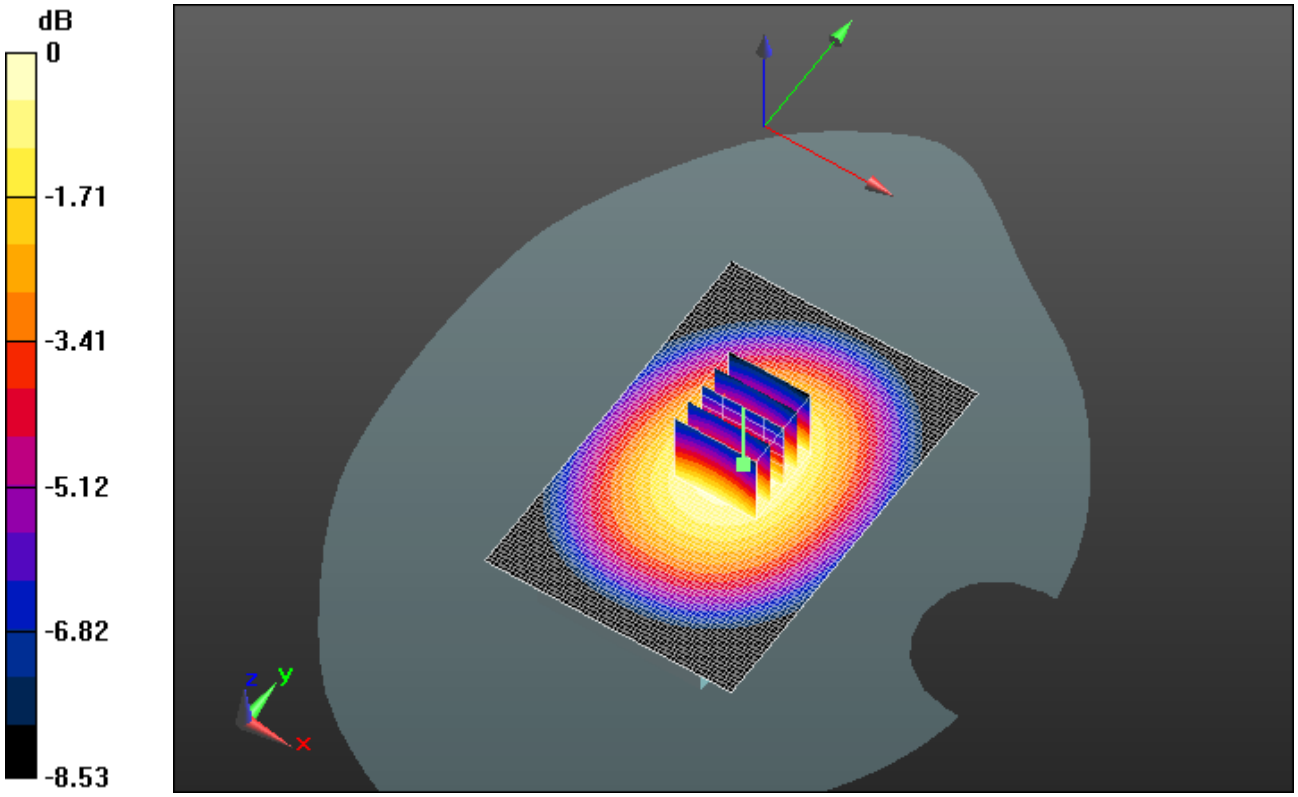
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.558 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.812 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.6490
SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.372 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.559 mW/g



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

Date/Time: 7/13/2012 3:36:44 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_low_chan_amb_temp_23.3C_liq_temp_22.6C

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

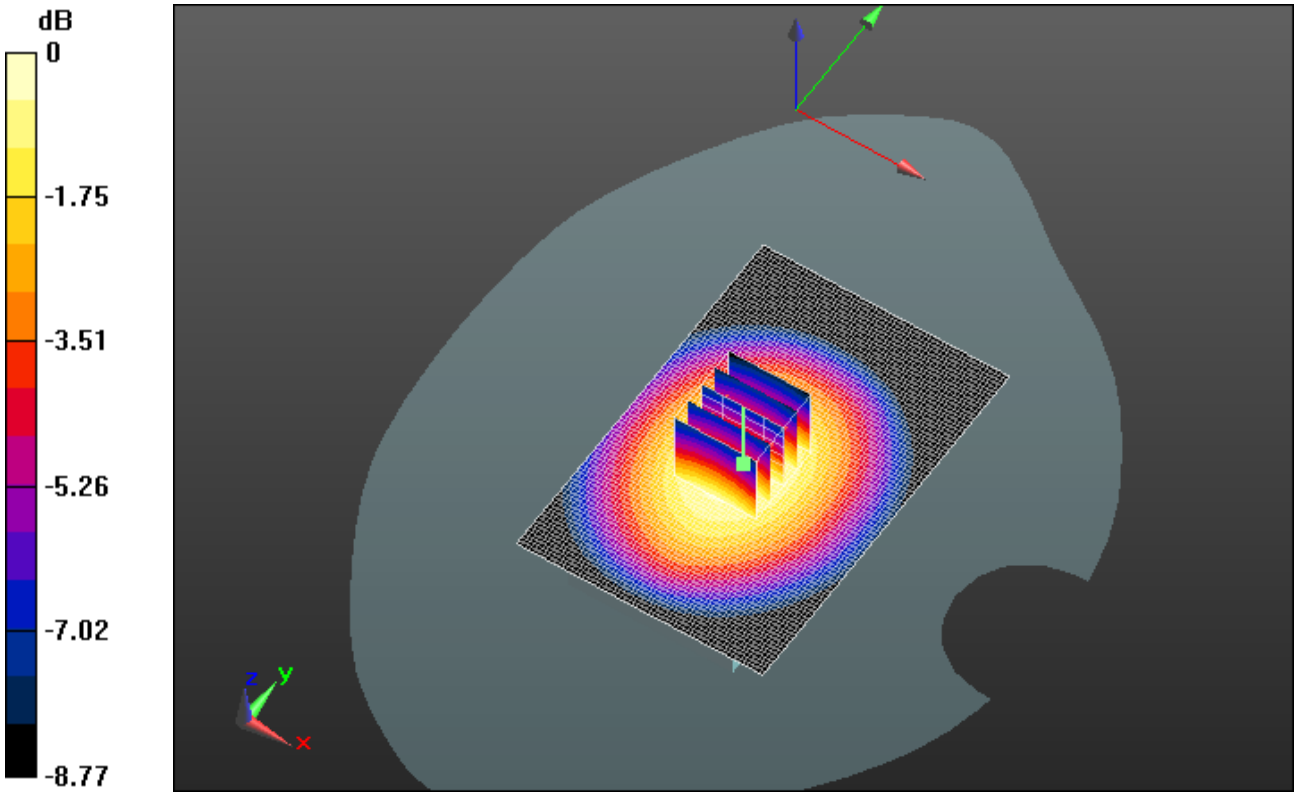
Communication System: GPRS 850; Frequency: 824.2 MHz
Medium parameters used: f = 825 MHz; σ = 0.957 mho/m; ε_r = 52.746; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.858 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.815 V/m; Power Drift = -0.0055 dB
Peak SAR (extrapolated) = 1.0150
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.575 mW/g
Maximum value of SAR (measured) = 0.871 mW/g



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

Date/Time: 7/13/2012 3:15:04 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_22.6C

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

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 52.673; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

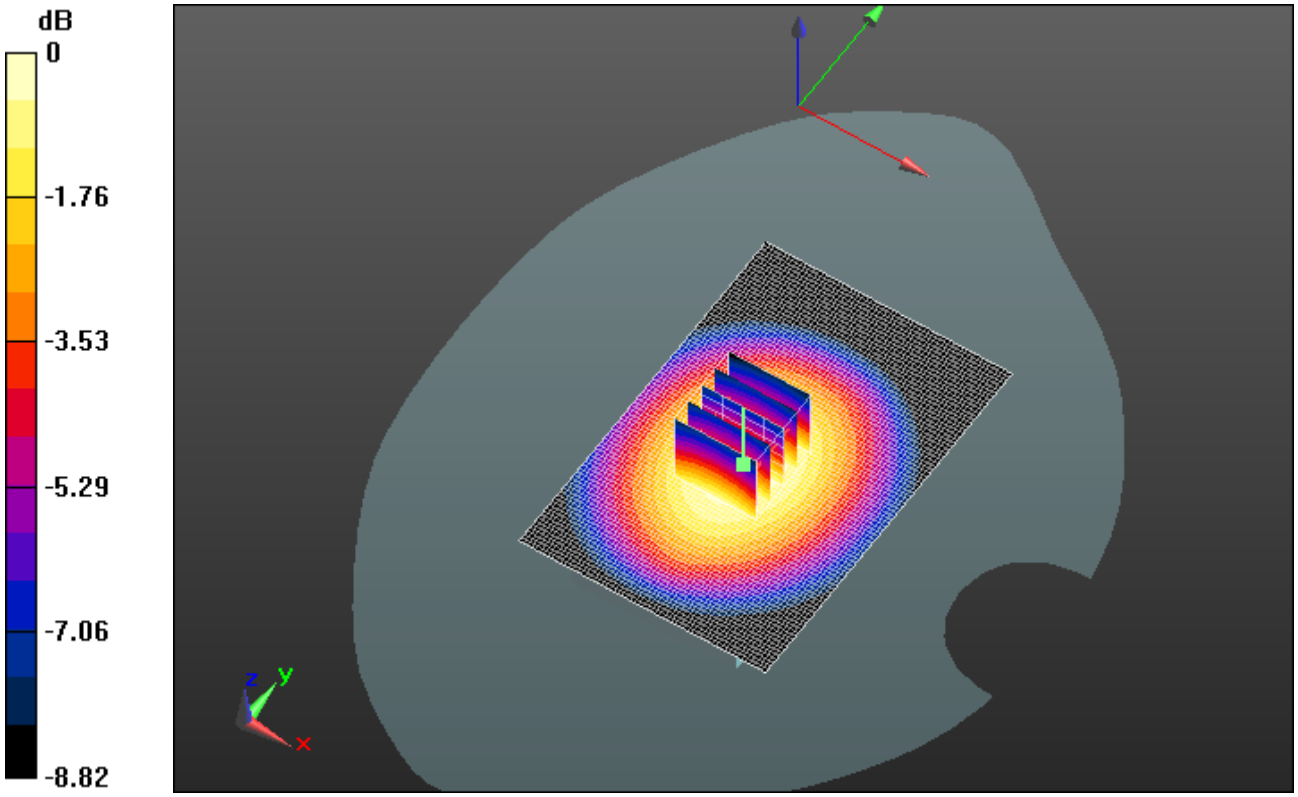
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.952 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.001 V/m; Power Drift = 0.0063 dB
Peak SAR (extrapolated) = 1.0860
SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.624 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.948 mW/g



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

Date/Time: 7/13/2012 3:52:27 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_high_chan_amb_temp_23.3C_liq_temp_22.6C

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

Communication System: GPRS 850; Frequency: 848.8 MHz
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.984 mho/m; ε_r = 52.556; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

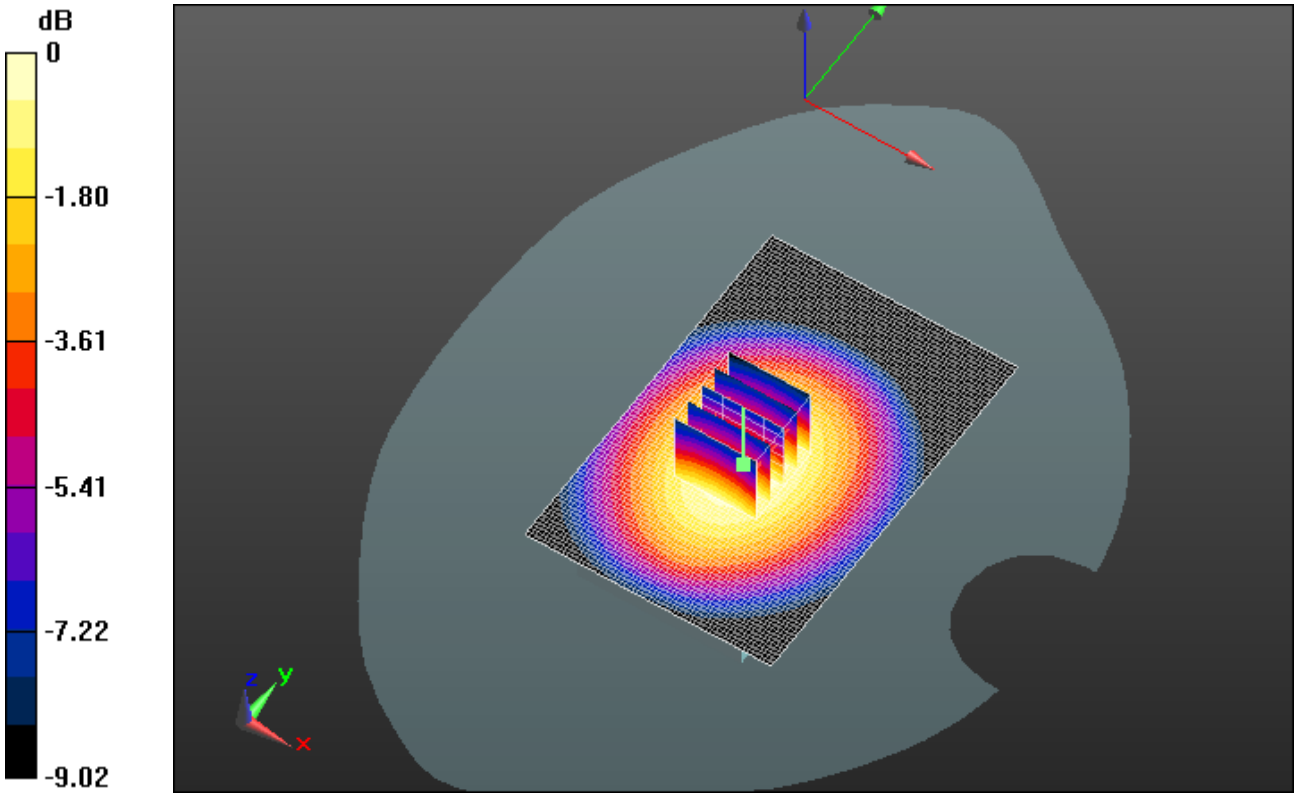
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.963 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.242 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.0980
SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.628 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.960 mW/g



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

Date/Time: 7/16/2012 6:19:44 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_GPRS850_mid_chan_amb_temp_23.9 C_liq_temp_22.5C

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

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 52.673; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

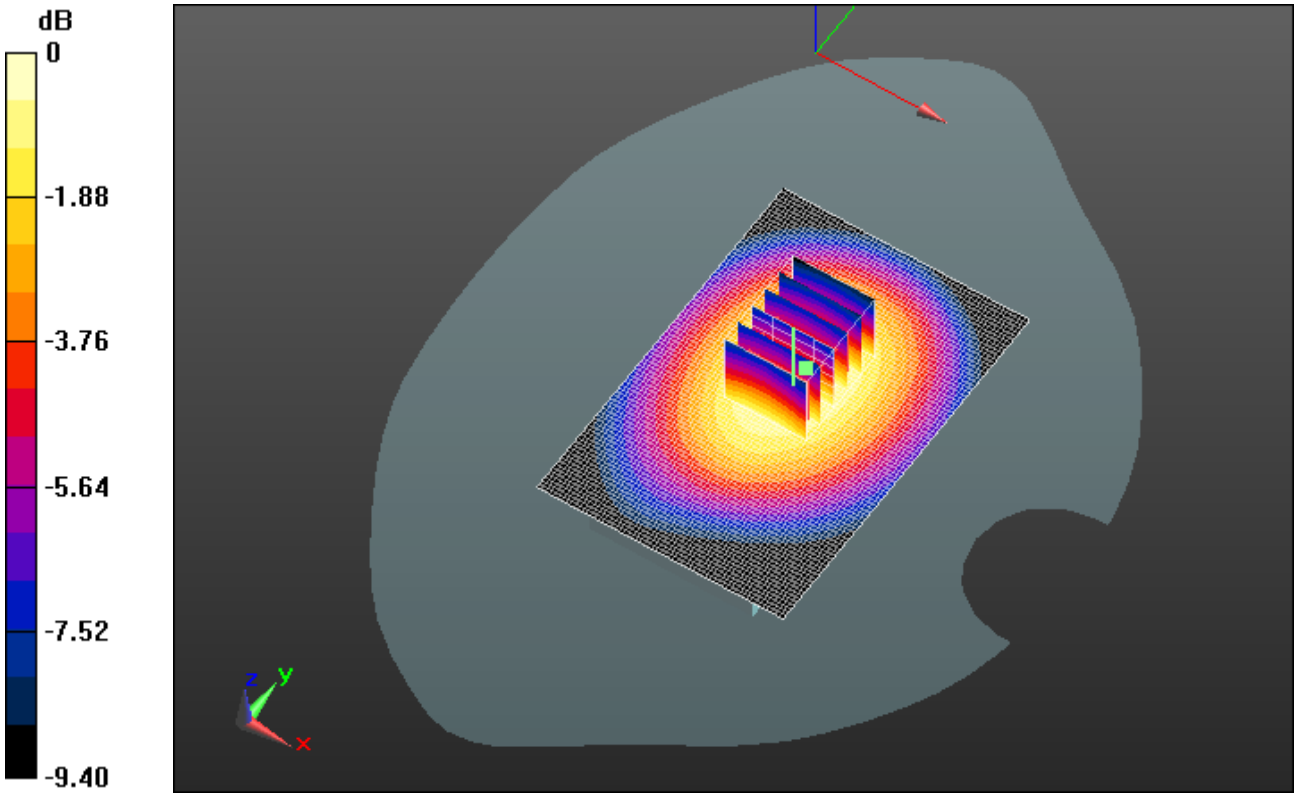
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.545 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.886 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.6480
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.362 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.556 mW/g



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

Date/Time: 7/13/2012 10:49:25 AM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq_temp_22.5C

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:

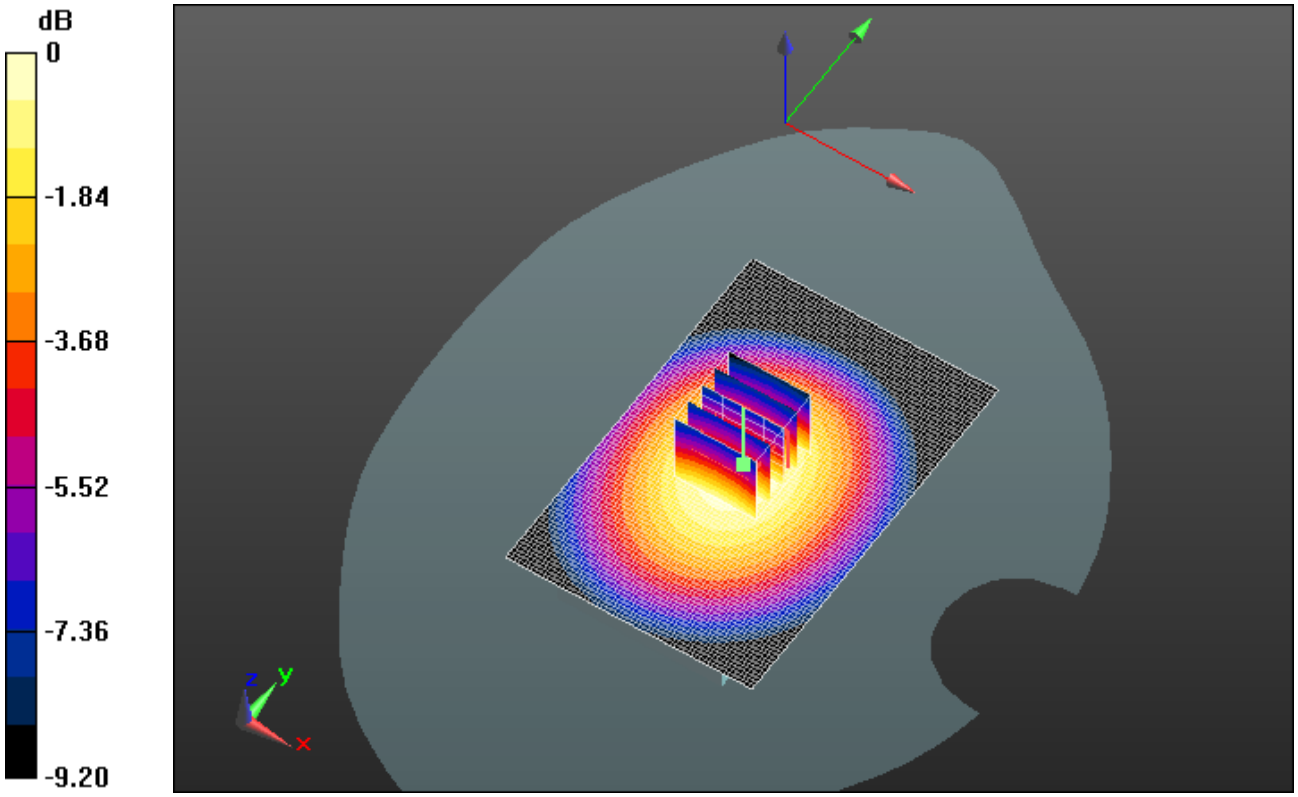
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.667 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.533 V/m; Power Drift = 0.0057 dB
Peak SAR (extrapolated) = 0.7780
SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.435 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.666 mW/g



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

Date/Time: 7/13/2012 11:42:49 AM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq_temp_22.5C

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:

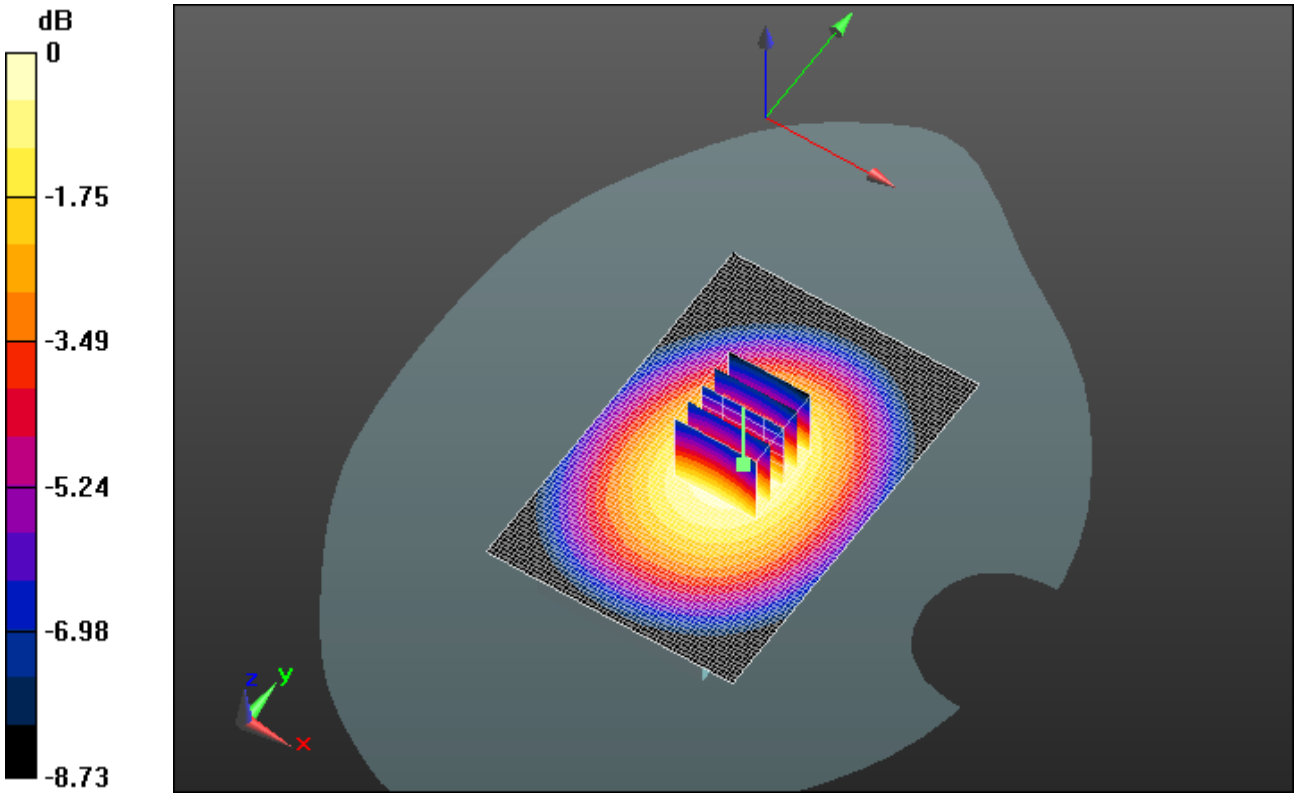
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.570 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.595 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.6530
SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.377 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.566 mW/g



0 dB = 0.570mW/g = -4.88 dB mW/g

Date/Time: 7/13/2012 12:24:36 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_V_low_chan_amb_temp_23.2C_liq_temp_22.6C

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:

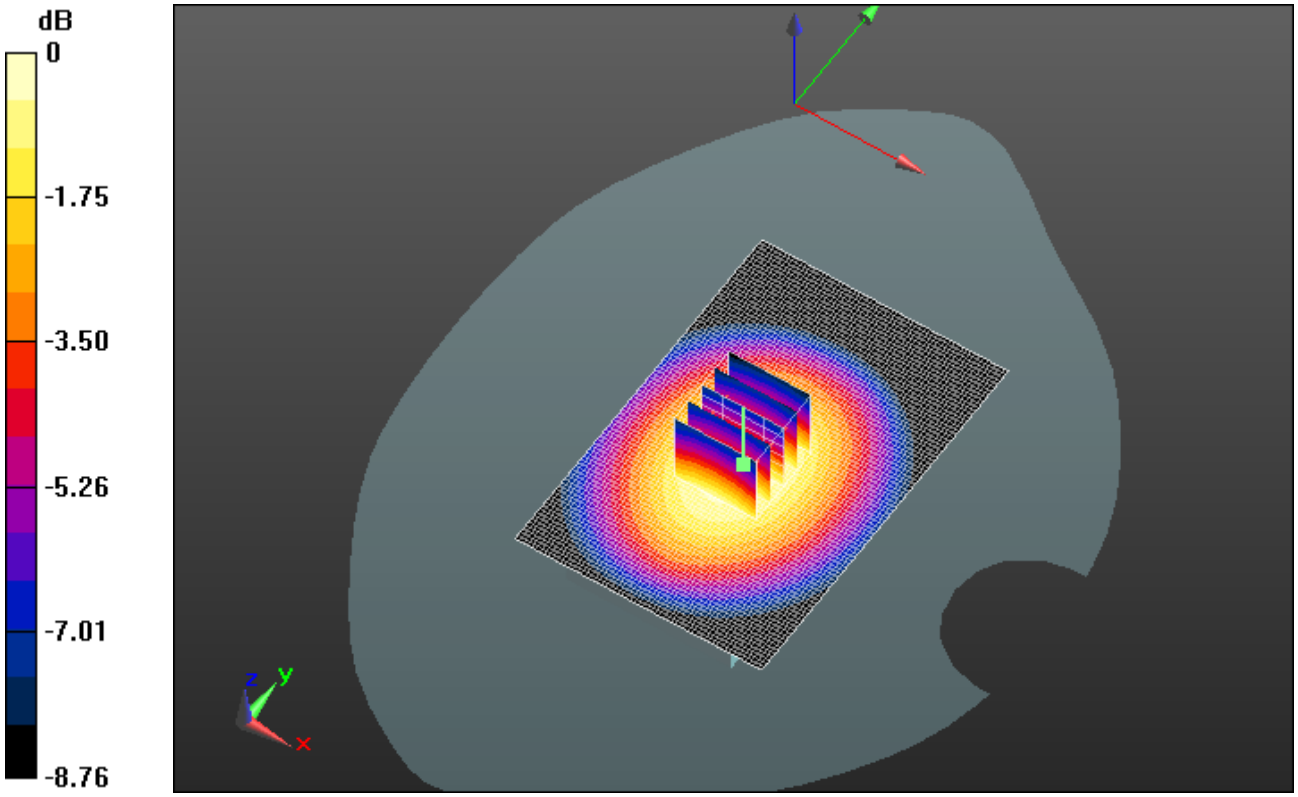
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.790 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.478 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.9060
SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.519 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.787 mW/g



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

Date/Time: 7/13/2012 12:00:22 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_V_mid_chan_amb_temp_23.2C_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:

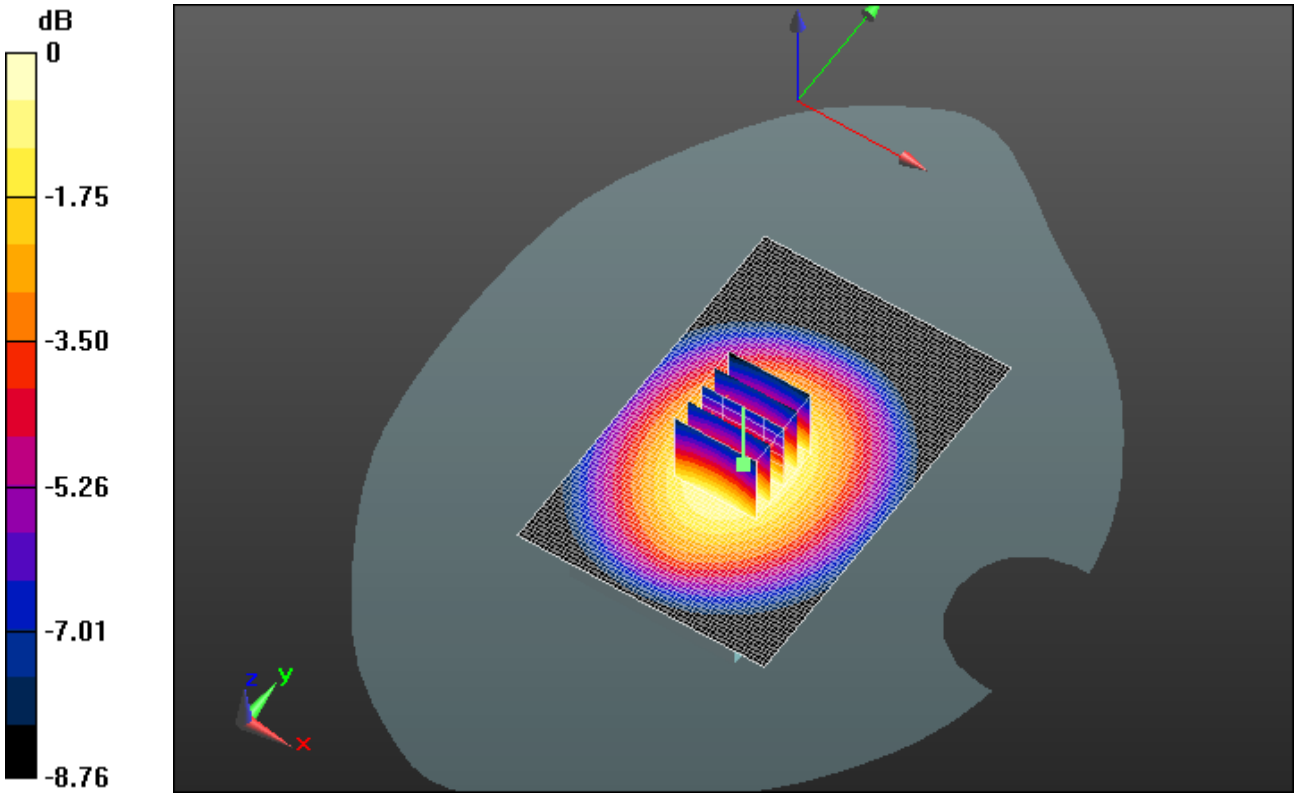
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.873 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.952 V/m; Power Drift = -0.0098 dB
Peak SAR (extrapolated) = 1.0250
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.586 mW/g

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



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

Date/Time: 7/13/2012 12:39:55 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_V_high_chan_amb_temp_23.2C_liq_temp_22.6C

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:

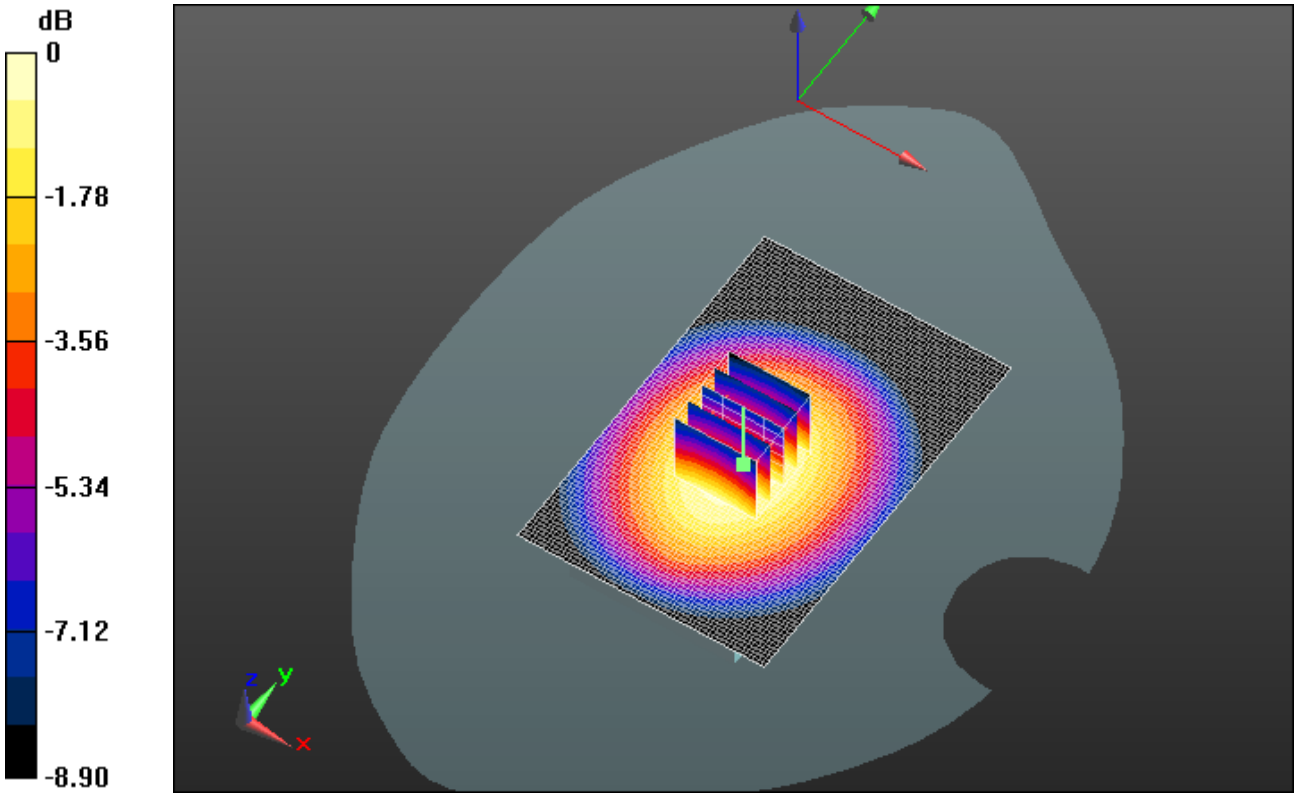
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.864 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.676 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.9980
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.567 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.865 mW/g



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

Date/Time: 7/16/2012 6:44:41 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_UMTS_Band_V_mid_chan_amb_temp_23.9C_liq_temp_22.5C

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:

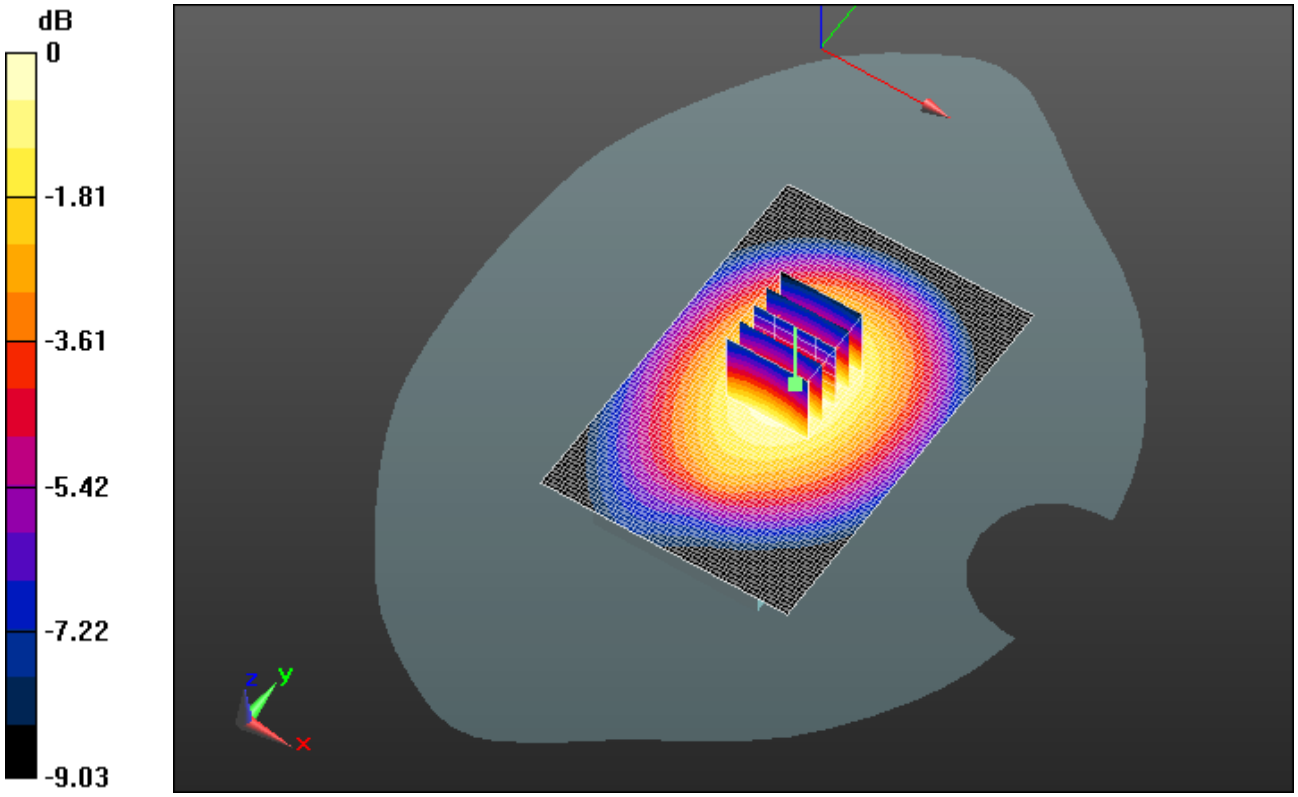
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.481 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.065 V/m; Power Drift = 0.0067 dB
Peak SAR (extrapolated) = 0.5560
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.314 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.478 mW/g



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

Date/Time: 7/26/2012 10:44:15 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_UMTS_Band_IV_low_chan_amb_temp_23.1C_liq_temp_21.8C

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:

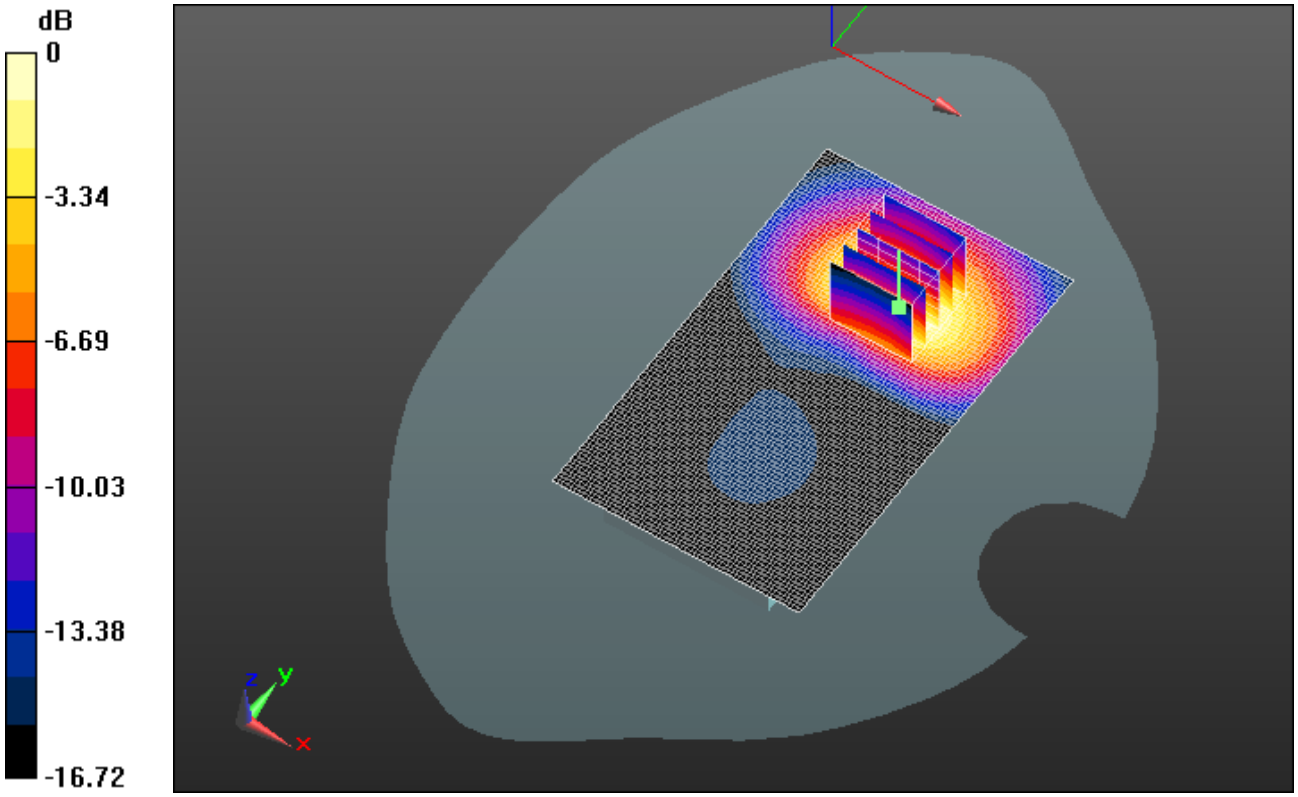
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.066 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.875 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.3160
SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.483 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.980 mW/g



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

Date/Time: 7/26/2012 10:25:15 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_UMTS_Band_IV_mid_chan_amb_temp_23.2C_liq_temp_22.6C

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:

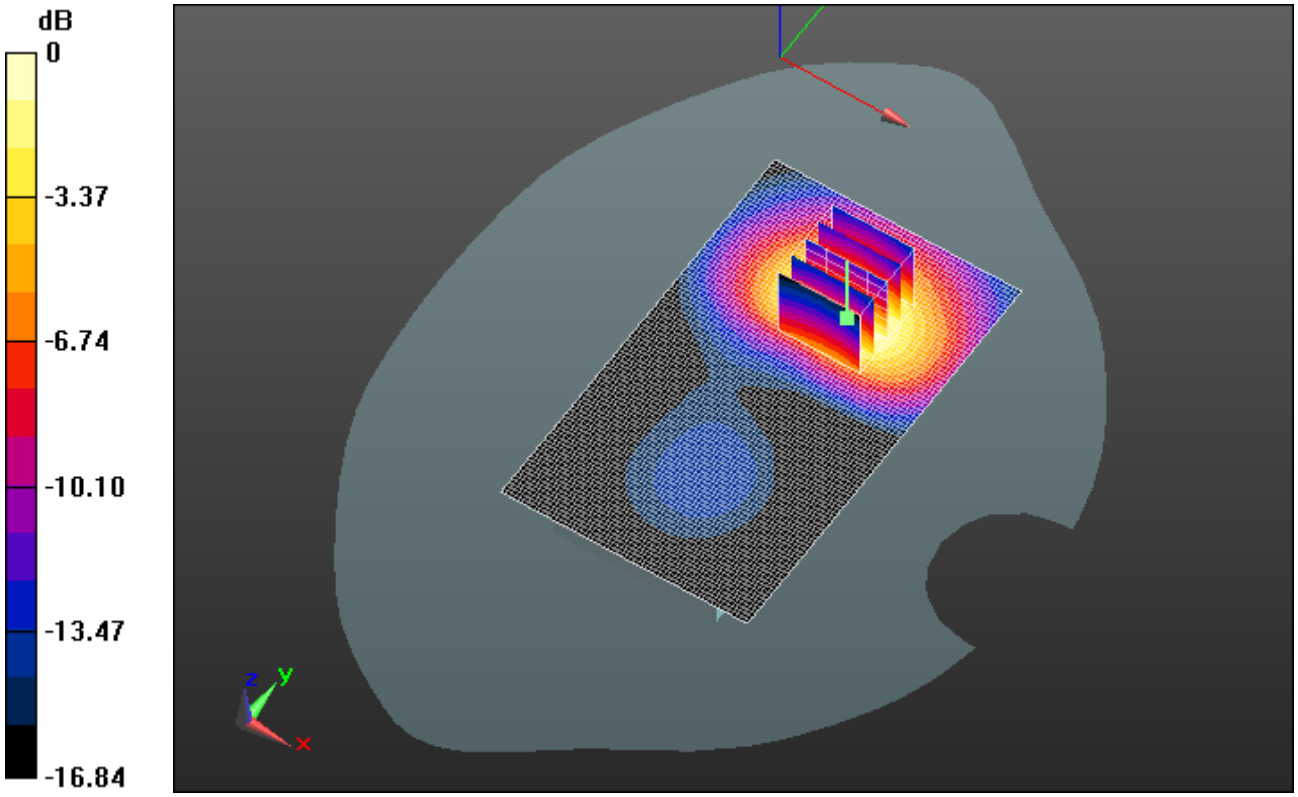
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.569 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.993 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.9230
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.699 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.423 mW/g



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

Date/Time: 7/26/2012 11:00:21 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_IV_high_chan_amb_temp_23.1C_liq_temp_21.8C

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:

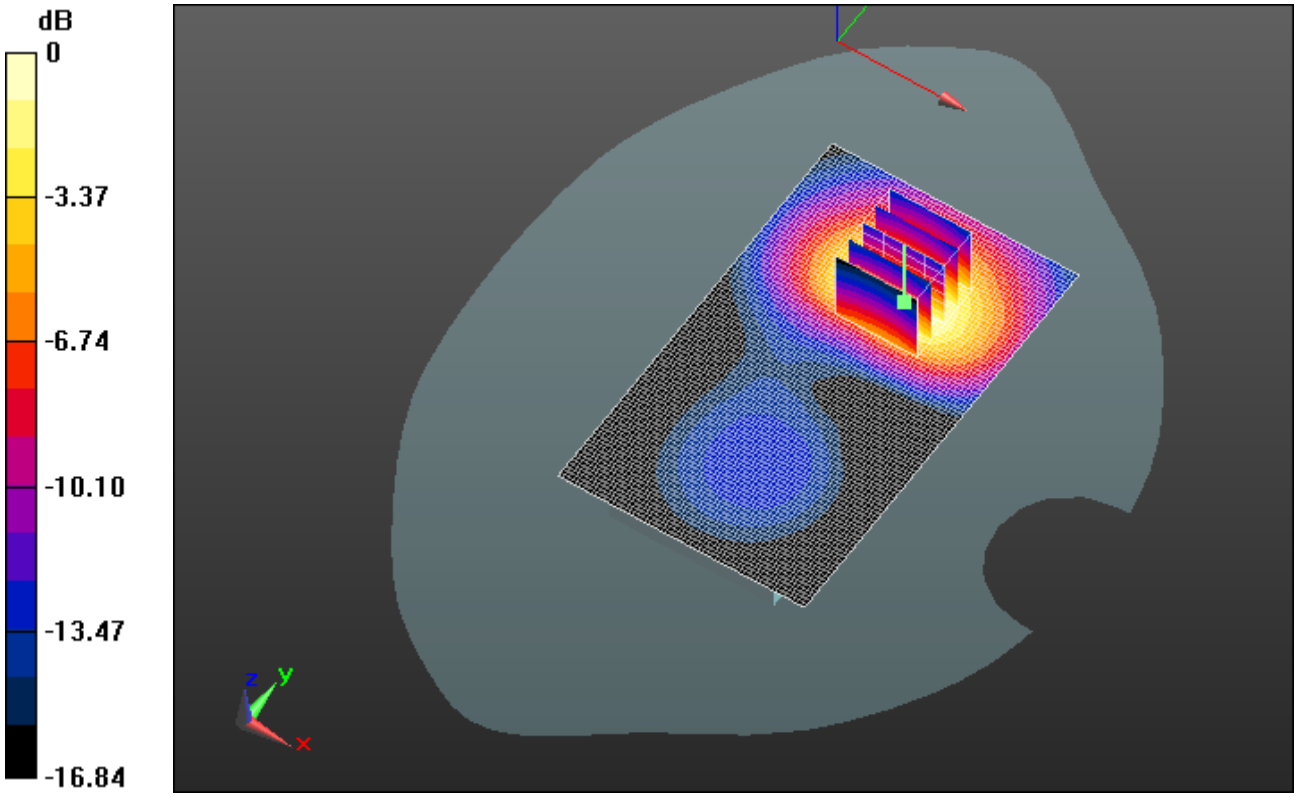
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.582 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.605 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.9730
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.713 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.454 mW/g



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

Date/Time: 7/26/2012 11:46:05 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_UMTS_Band_IV_mid_chan_amb_temp_23.2C_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:

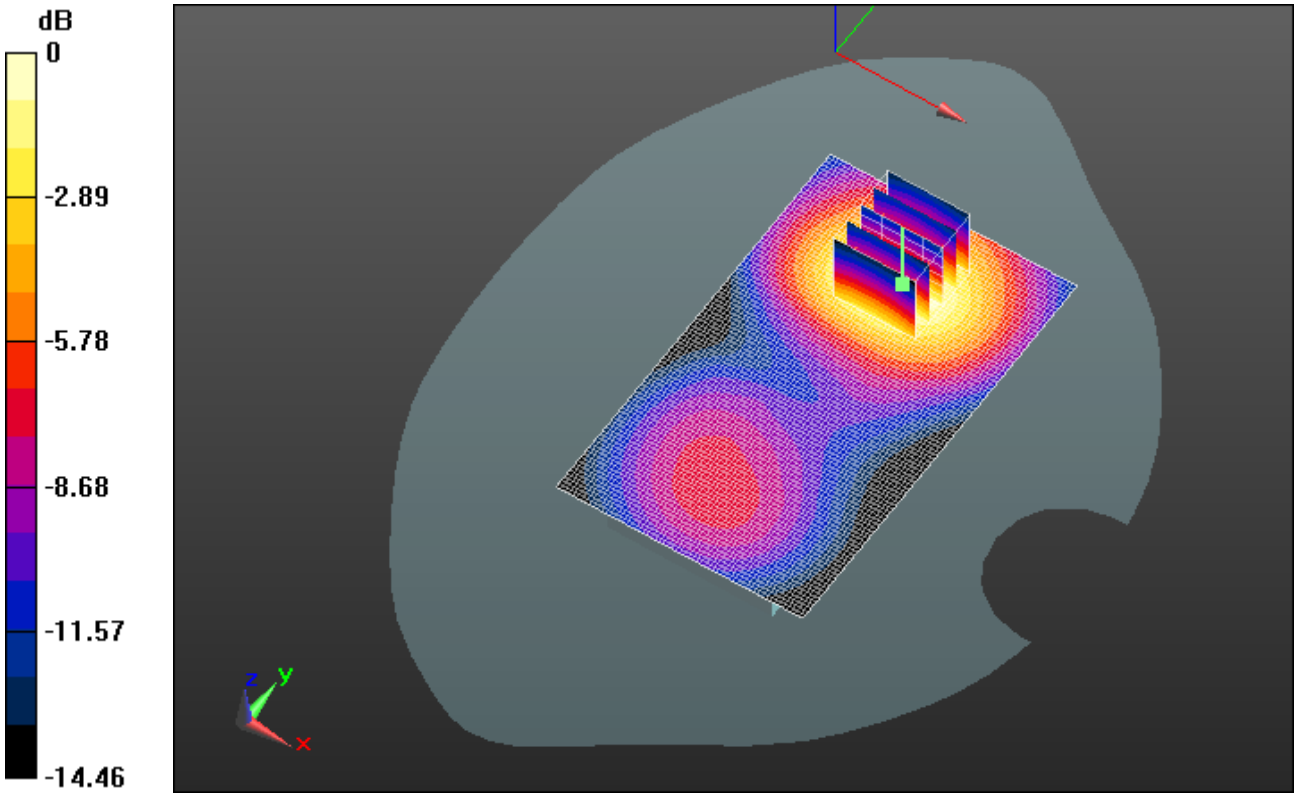
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.566 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.580 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.7380
SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.287 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.561 mW/g



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

Date/Time: 7/26/2012 7:24:52 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_IV_low_chan_amb_temp_23.5C_liq_temp_22.6C

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:

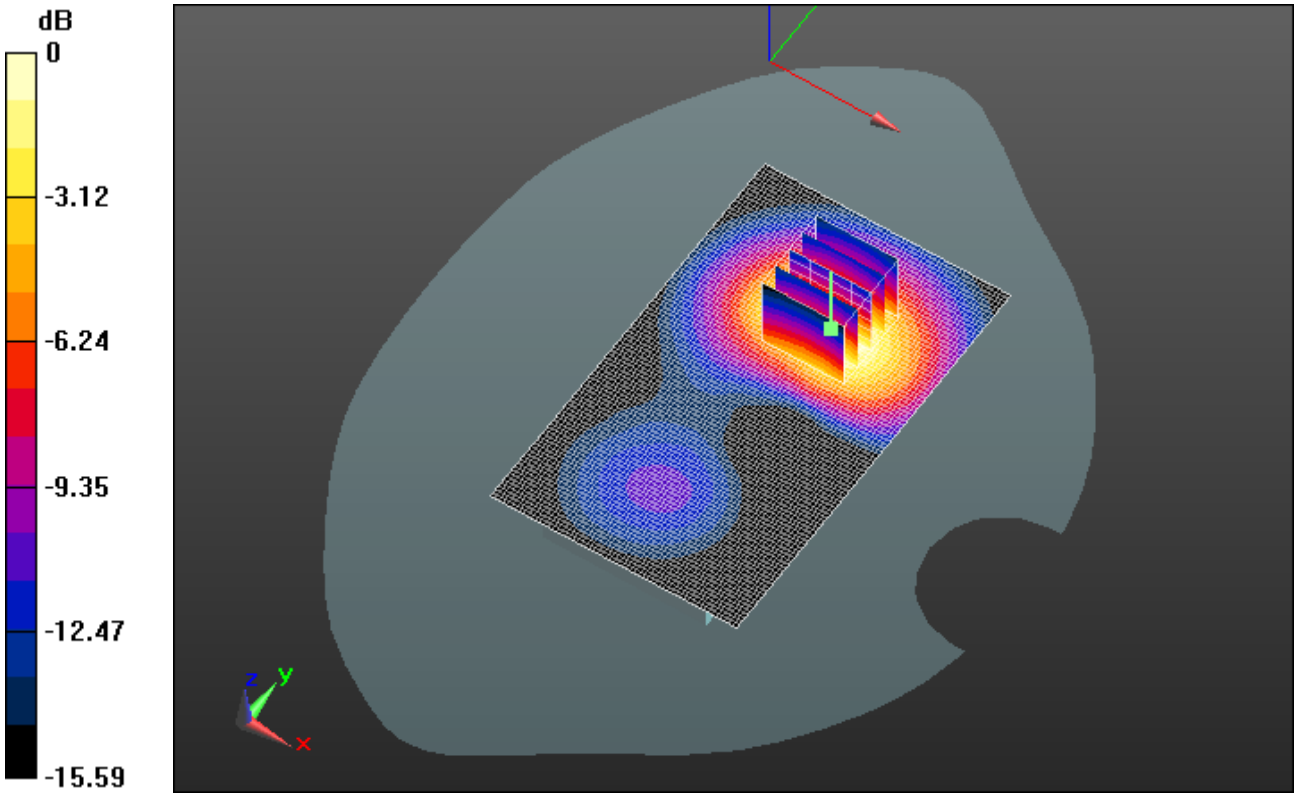
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.477 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.199 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.8420
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.675 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.391 mW/g



0 dB = 1.390mW/g = 2.86 dB mW/g

Date/Time: 7/26/2012 8:40:20 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_IV_mid_chan_amb_temp_24.0C_liq_temp_22.6C

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:

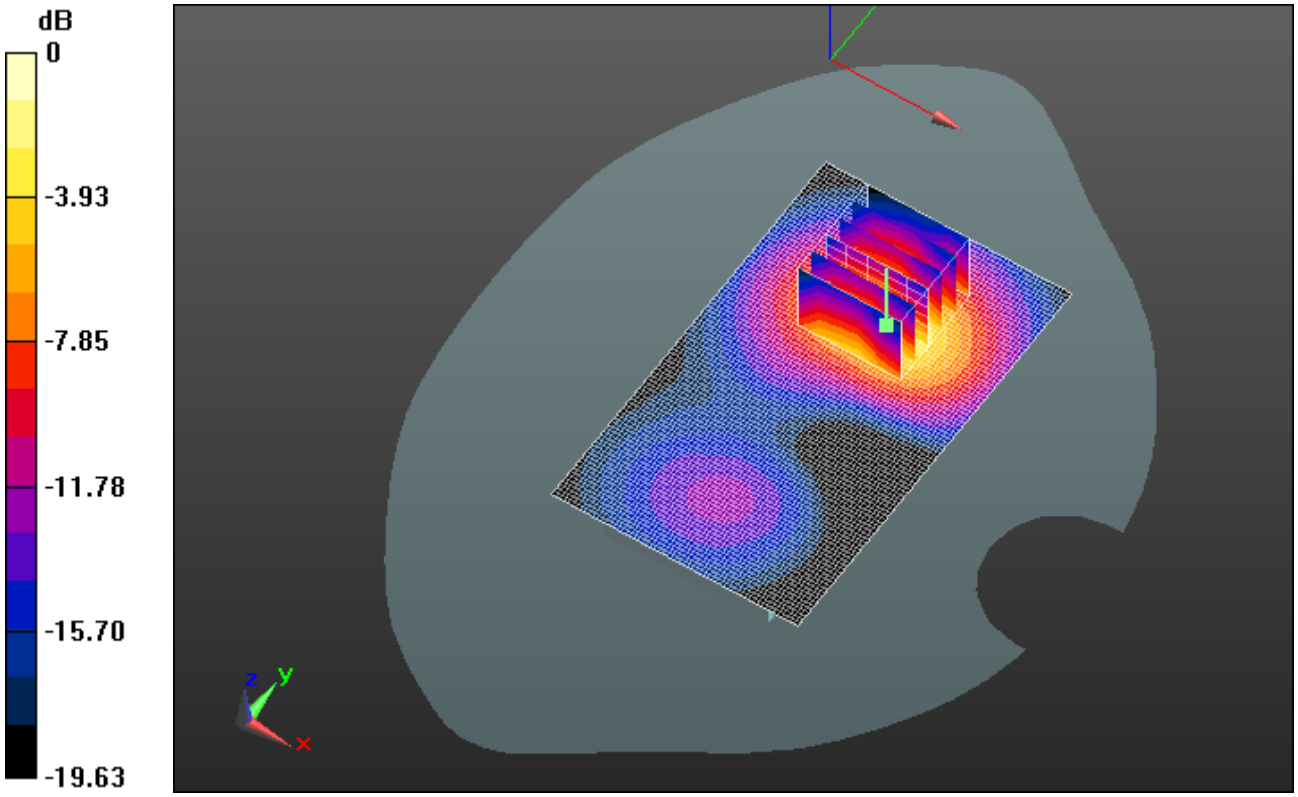
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.999 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.600 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.1150
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.697 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.530 mW/g



0 dB = 1.530mW/g = 3.69 dB mW/g

Date/Time: 7/26/2012 7:44:18 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_IV_high_chan_amb_temp_24.1C_liq_temp_22.6C

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:

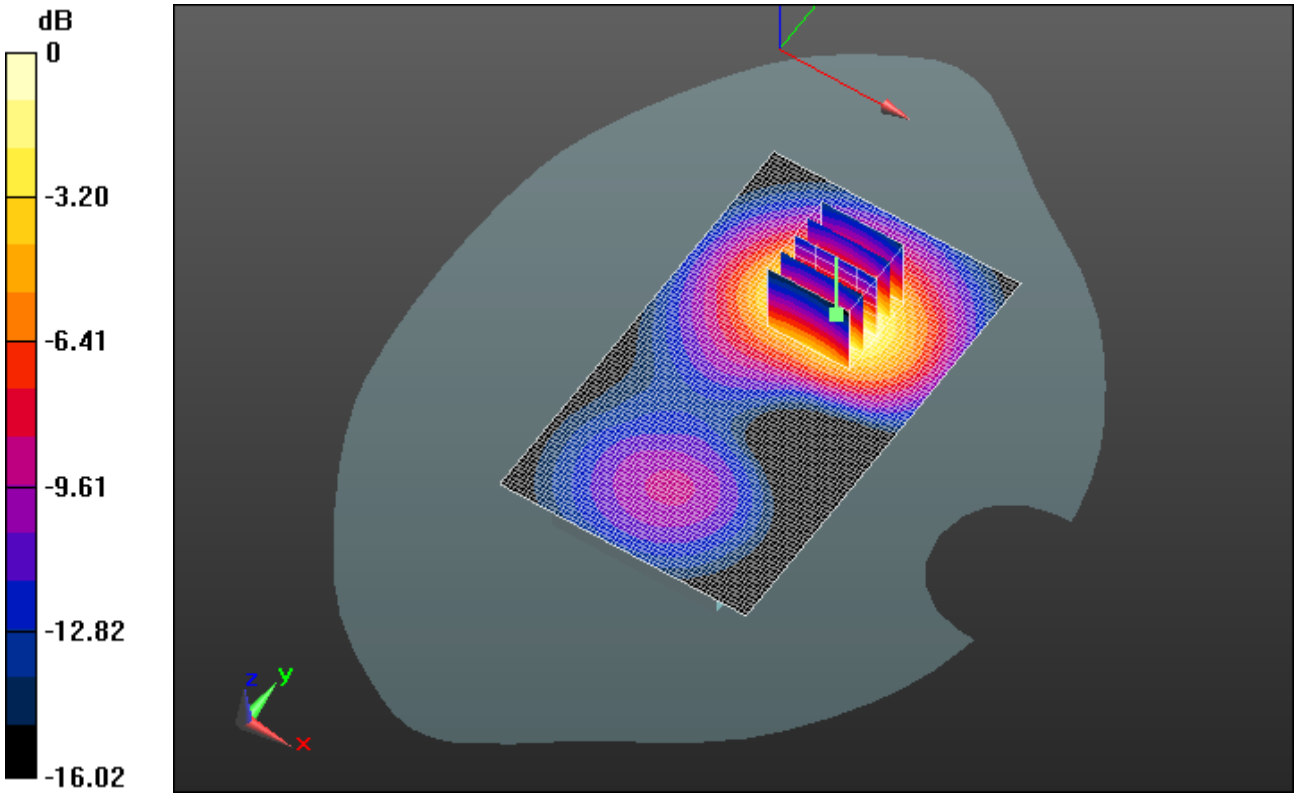
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.737 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.166 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.2140
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.801 mW/g

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



0 dB = 1.660mW/g = 4.40 dB mW/g

Date/Time: 7/27/2012 9:38:36 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_UMTS_Band_IV_high_chan_amb_temp_23.5C_liq_temp_22.5C

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:

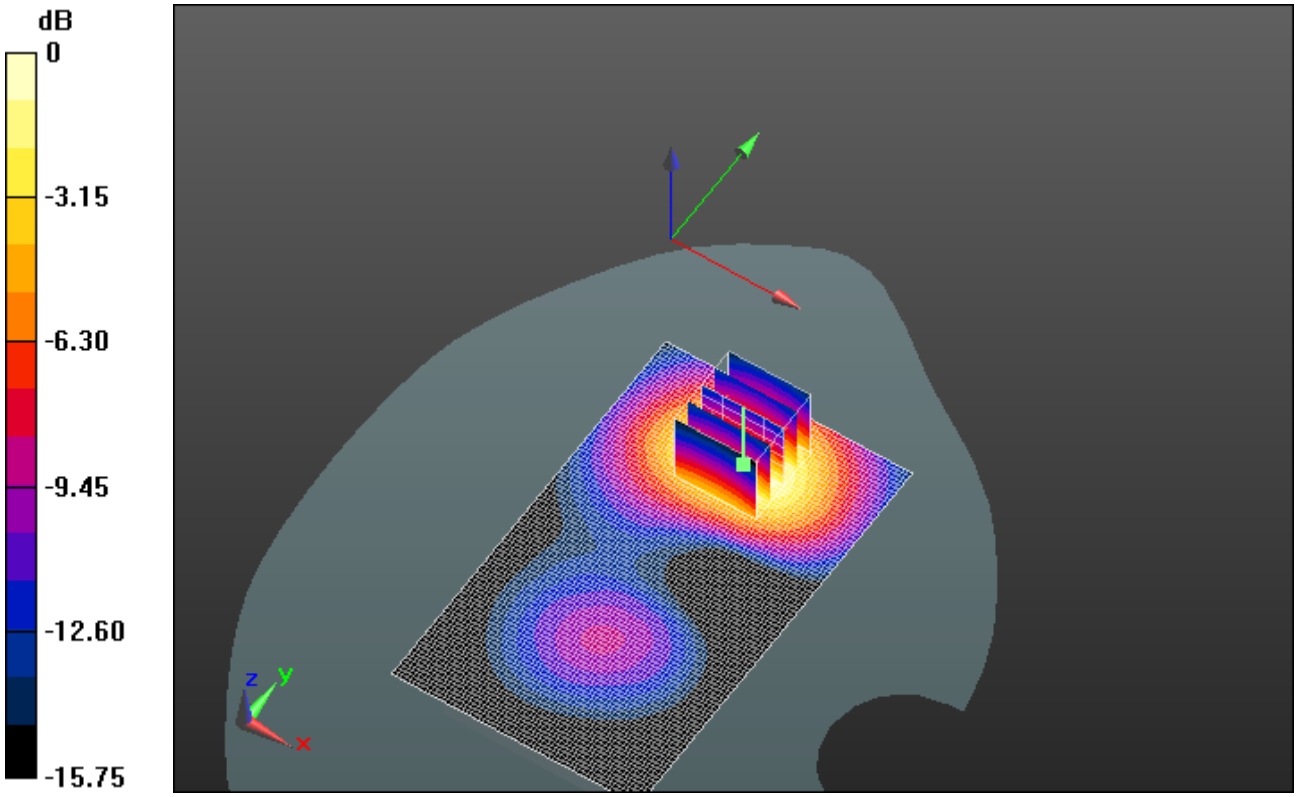
- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 1.768 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.206 V/m; Power Drift = 0.22 dB
Peak SAR (extrapolated) = 2.2650
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.822 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.705 mW/g



0 dB = 1.700mW/g = 4.61 dB mW/g

Date/Time: 7/10/2012 6:26:30 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.0C_liq_temp_21.8C

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

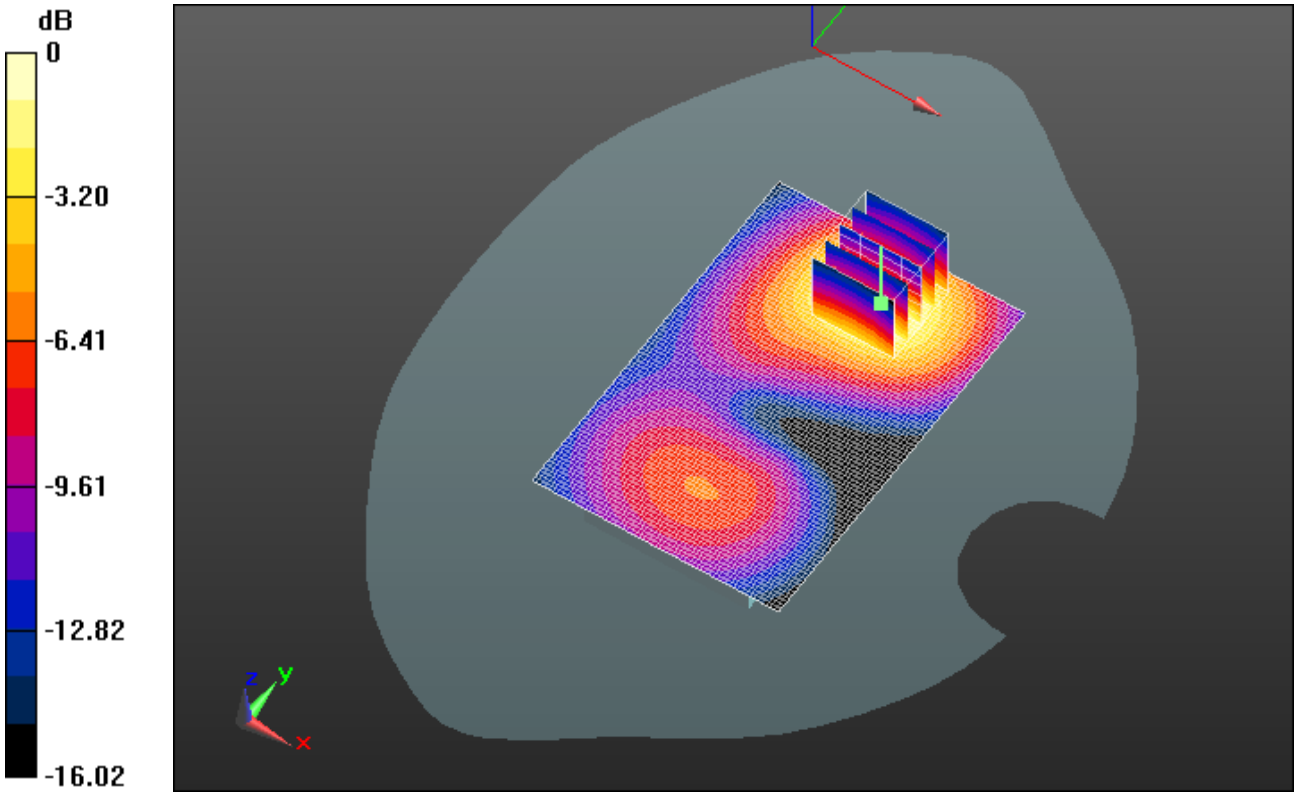
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.484 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.666 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.6620
SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.490 mW/g



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

Date/Time: 7/10/2012 7:25:15 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_GPRS1900_mid_chan_amb_temp_22.9C_liq_temp_21.8C

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

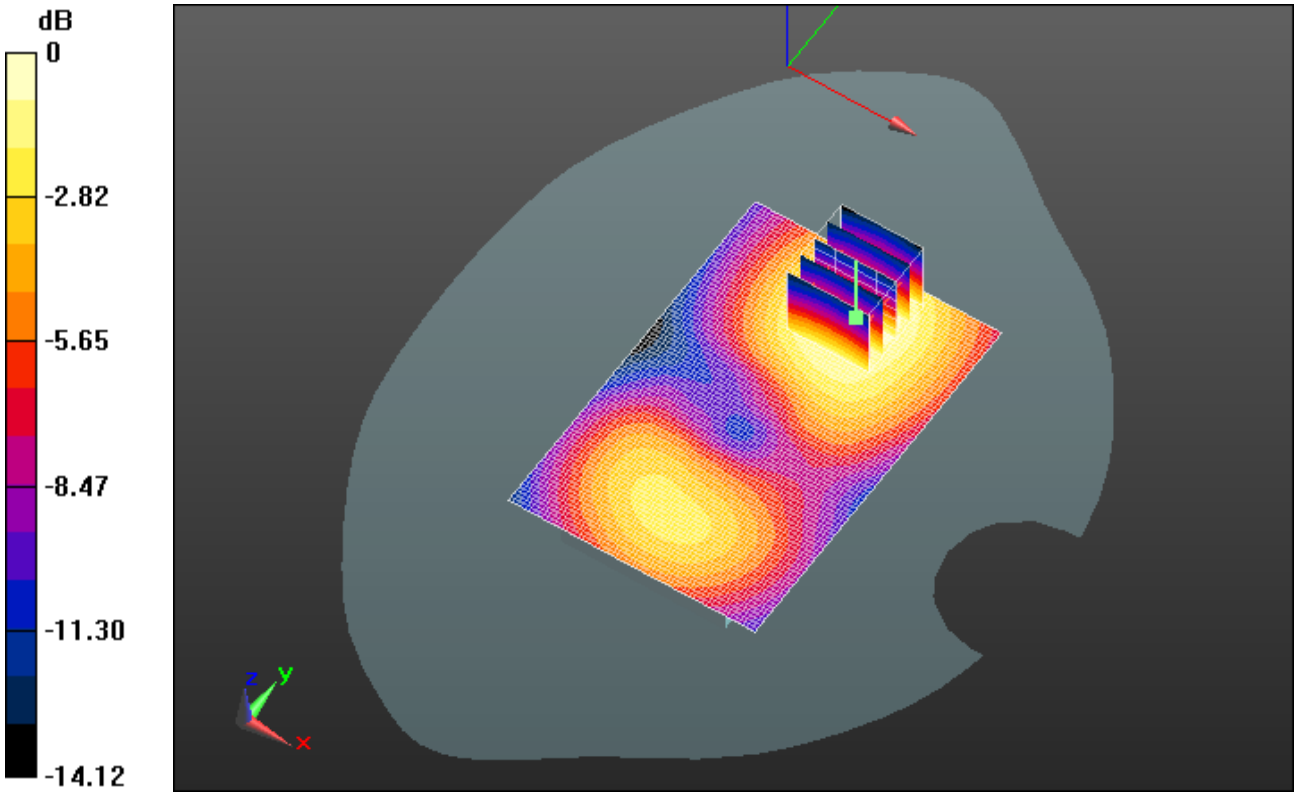
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.220 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.589 V/m; Power Drift = 0.30 dB
Peak SAR (extrapolated) = 0.2880
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.216 mW/g



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

Date/Time: 7/10/2012 7:45:40 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_22.9C_liq_temp_21.8C

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

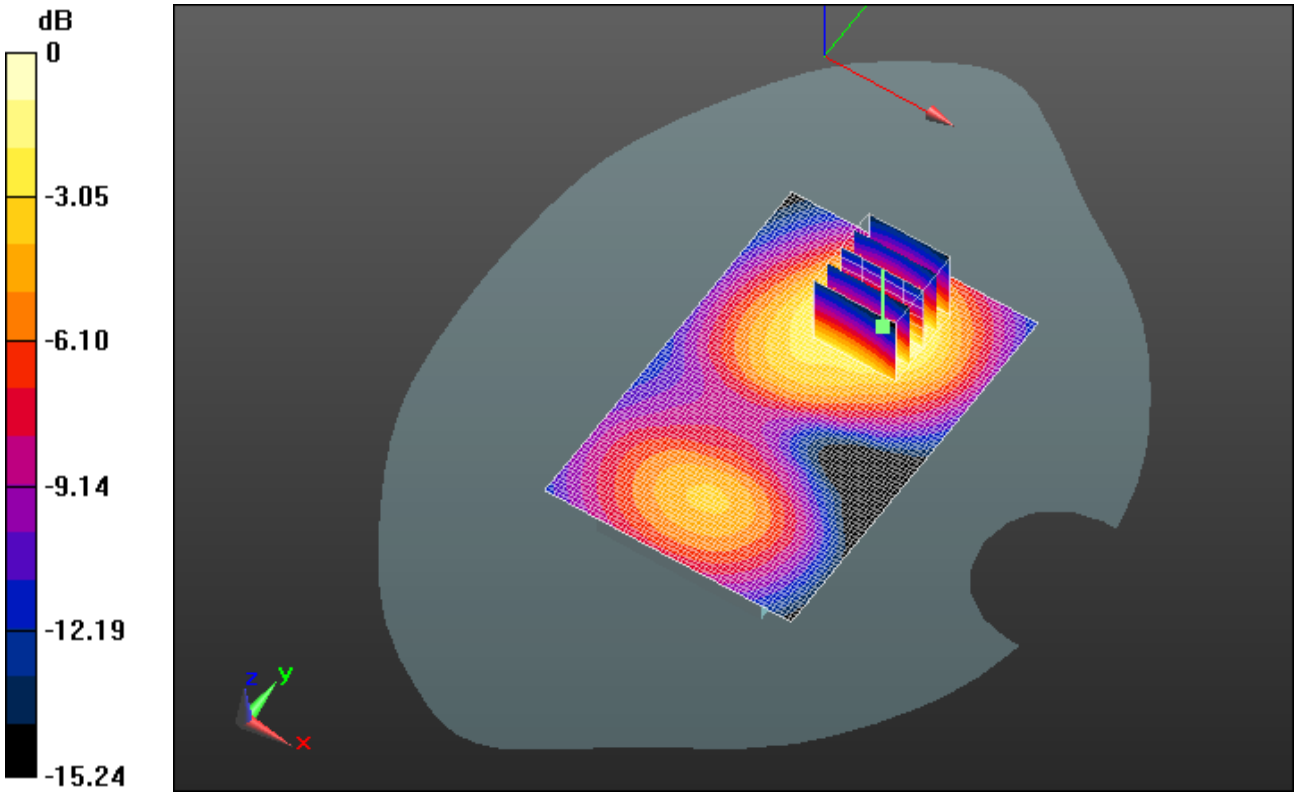
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.410 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.842 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.5650
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.204 mW/g
Maximum value of SAR (measured) = 0.415 mW/g



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

Date/Time: 7/10/2012 7:07:05 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_22.8 C_liq_temp_21.8C

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

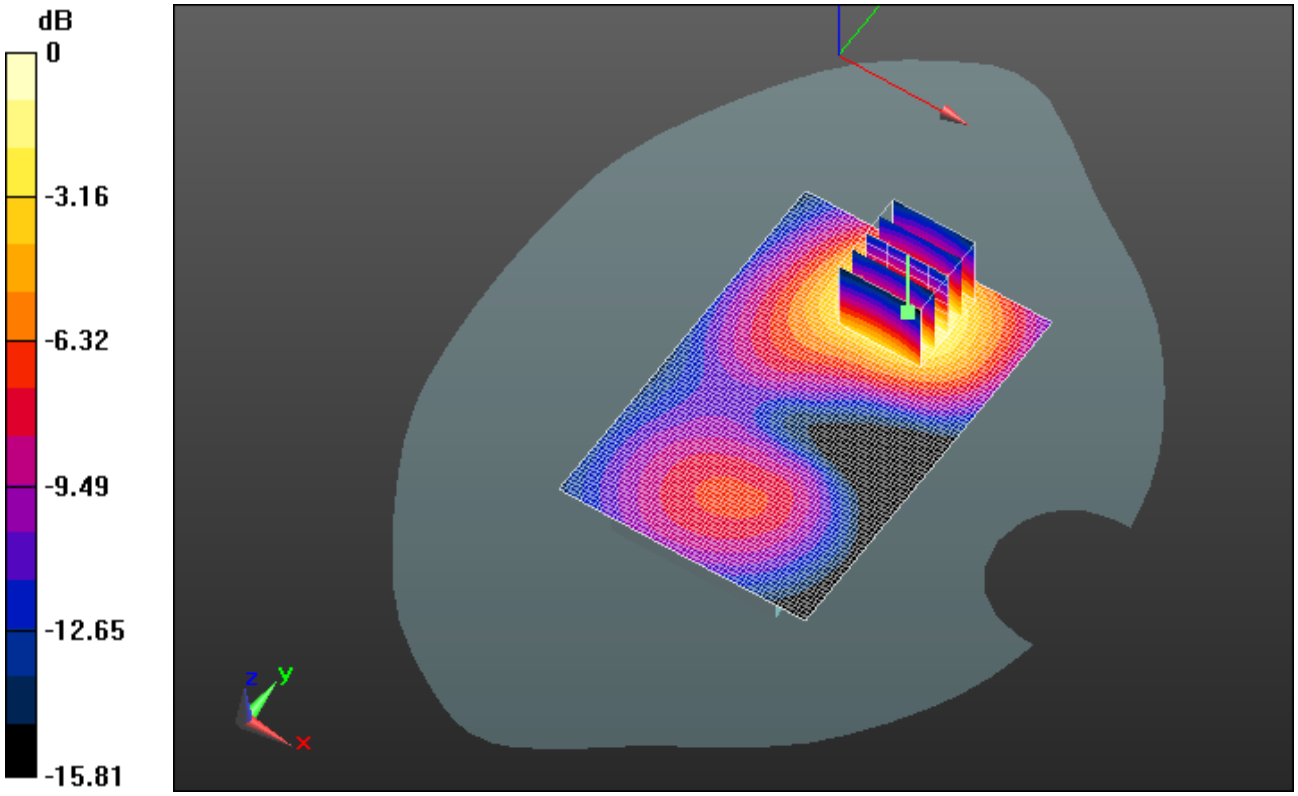
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.482 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.753 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.6470
SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.485 mW/g



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

Date/Time: 7/9/2012 6:08:57 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.2C_liq_temp_21.8C

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

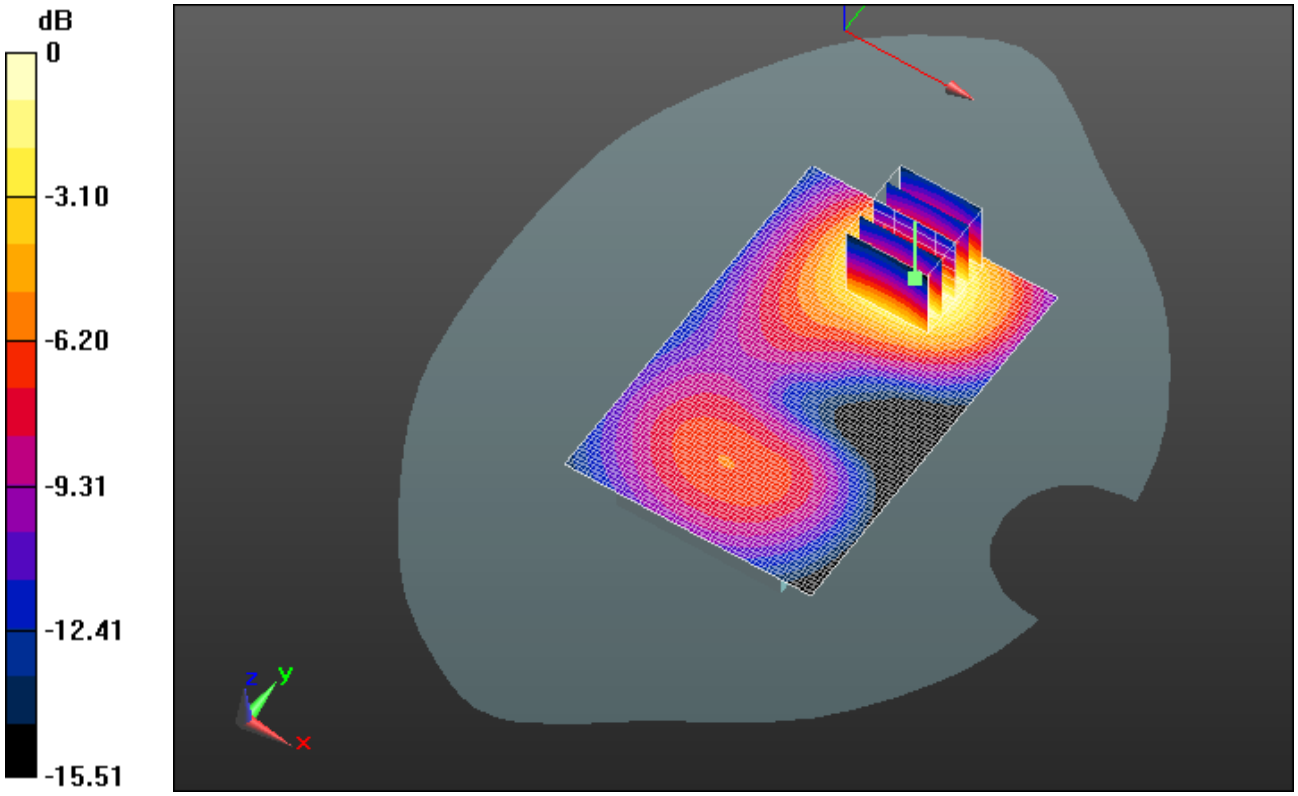
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.711 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.518 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.9420
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.704 mW/g



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

Date/Time: 7/9/2012 6:26:57 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_UMTS_Band_II_mid_chan_amb_temp_23.2C_liq_temp_21.8C

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

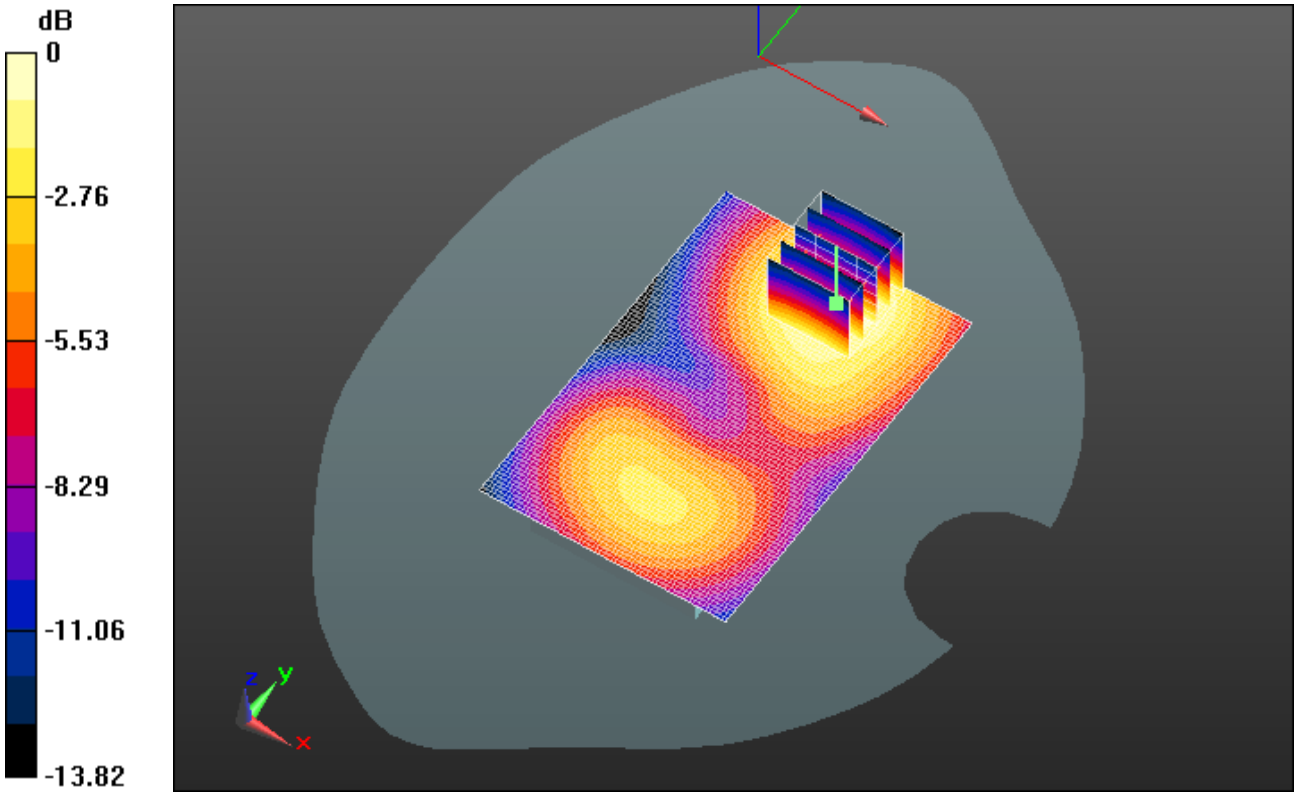
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.355 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.233 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.4700
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.354 mW/g



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

Date/Time: 7/9/2012 6:48:40 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_II_mid_chan_amb_temp_23.0C_liq_temp_21.8C

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

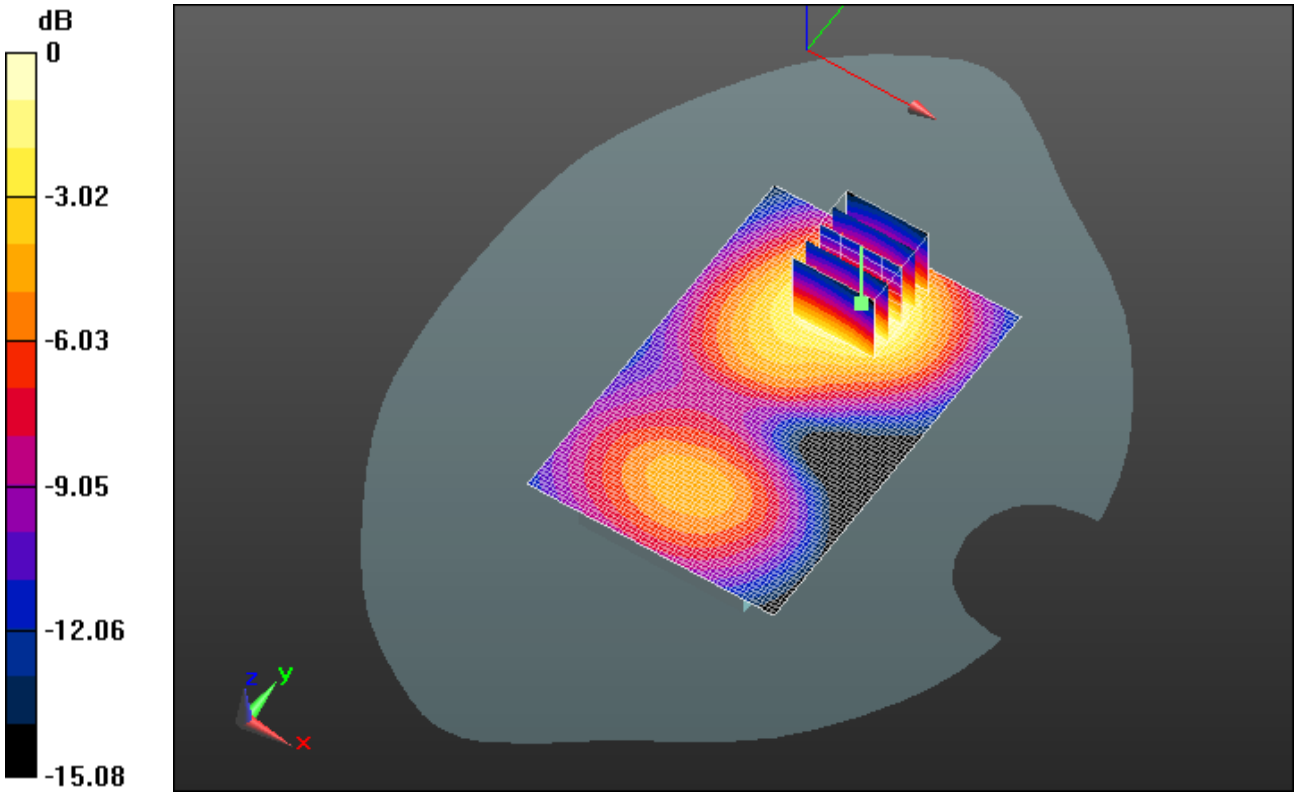
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.660 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.191 V/m; Power Drift = 0.0099 dB
Peak SAR (extrapolated) = 0.9000
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 0.672 mW/g



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

Date/Time: 7/9/2012 7:57:17 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_Headset_UMTS_Band_II_mid_chan_amb_temp_22.8C_liq_temp_21.8C

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

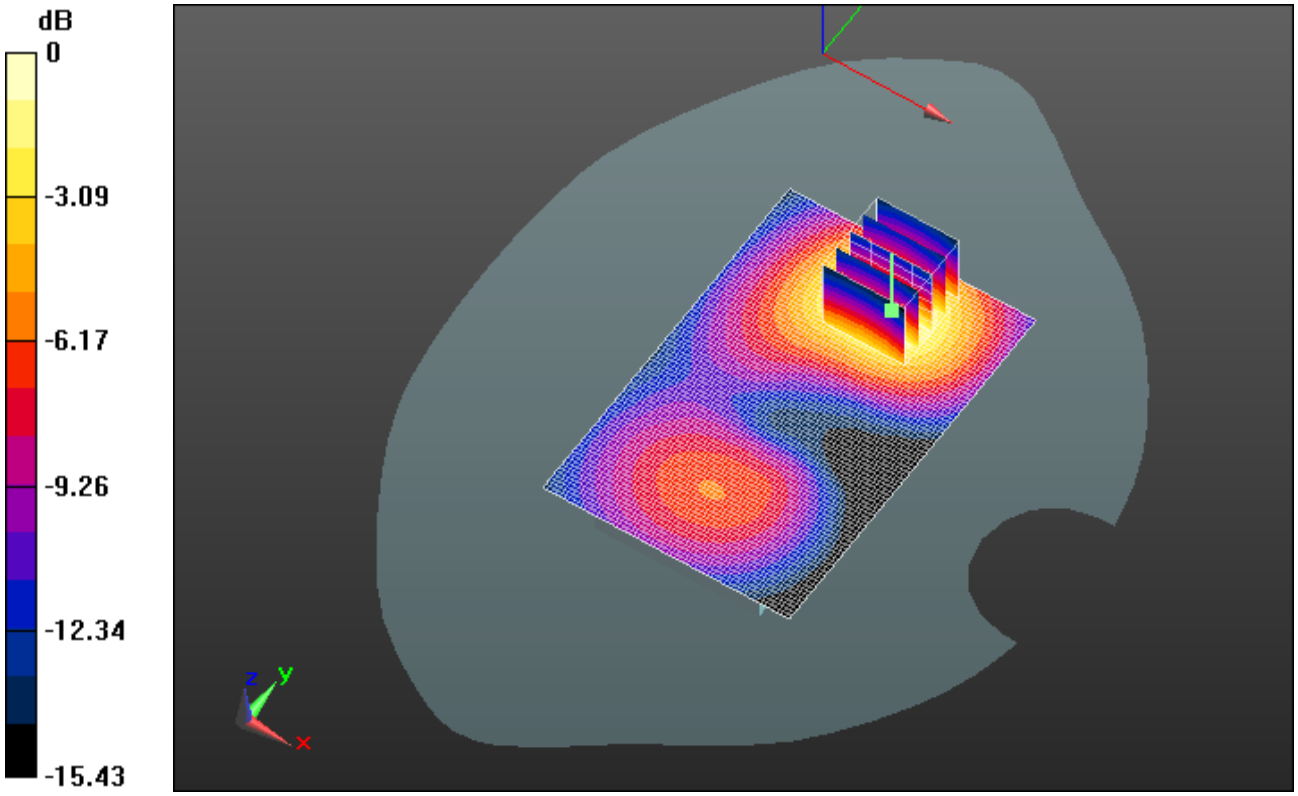
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 50.823; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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) = 0.760 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.623 V/m; Power Drift = 0.41 dB
Peak SAR (extrapolated) = 1.0080
SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 0.750 mW/g



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

Date/Time: 7/12/2012 11:49:18 AM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_802.11b_high_chan_amb_temp_23.3C_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:

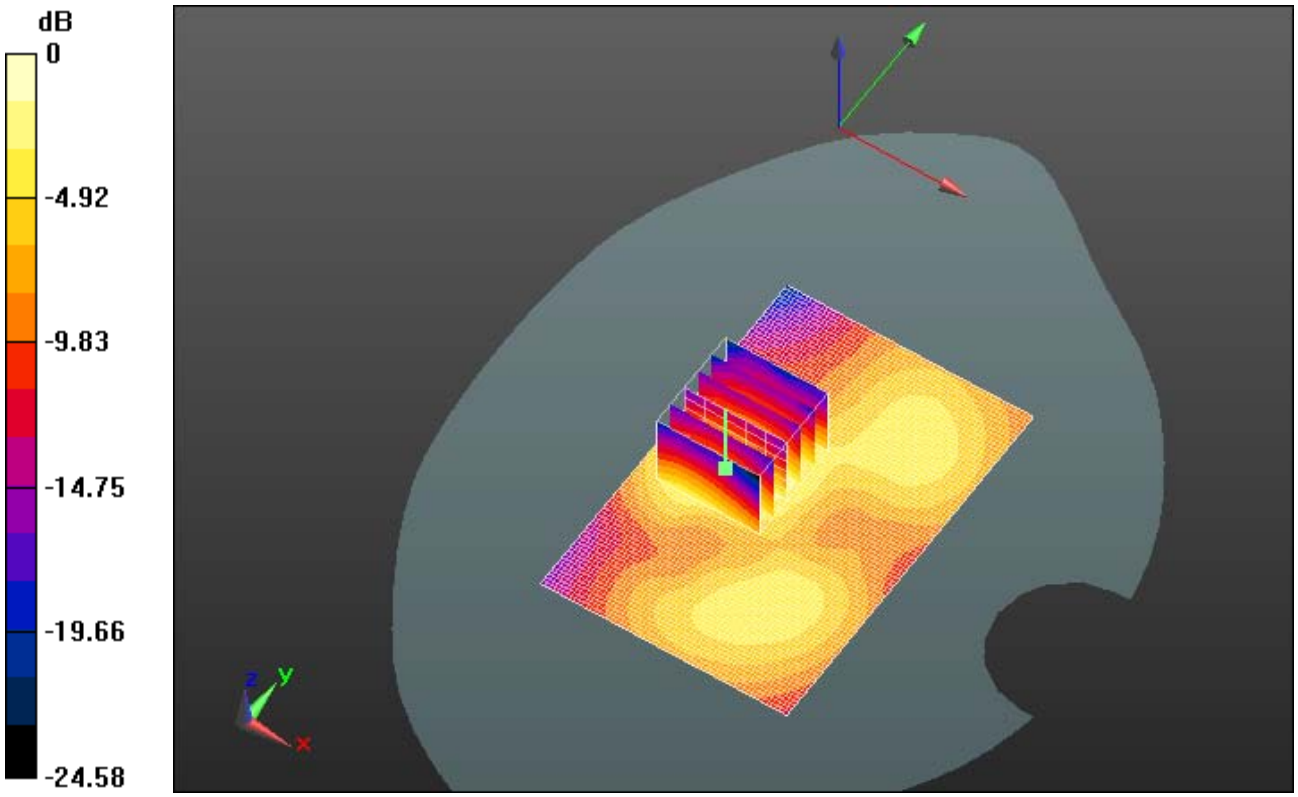
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.120 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.072 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.1620
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.050 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.110 mW/g



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

Date/Time: 7/12/2012 11:30:06 AM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_802.11b_high_chan_amb_temp_23.4C_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:

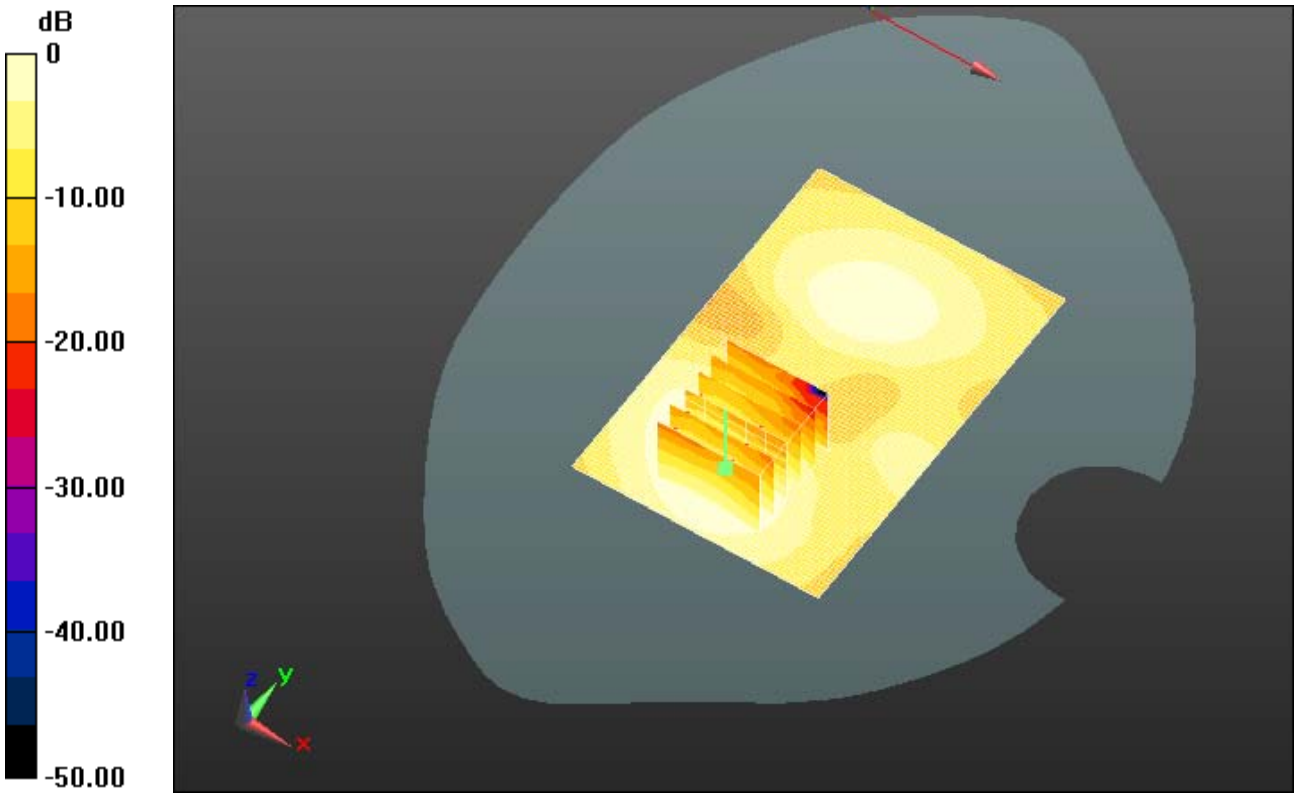
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.068 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.754 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.0940
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.031 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.065 mW/g



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

Date/Time: 7/12/2012 10:42:00 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Spacer_Back_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:

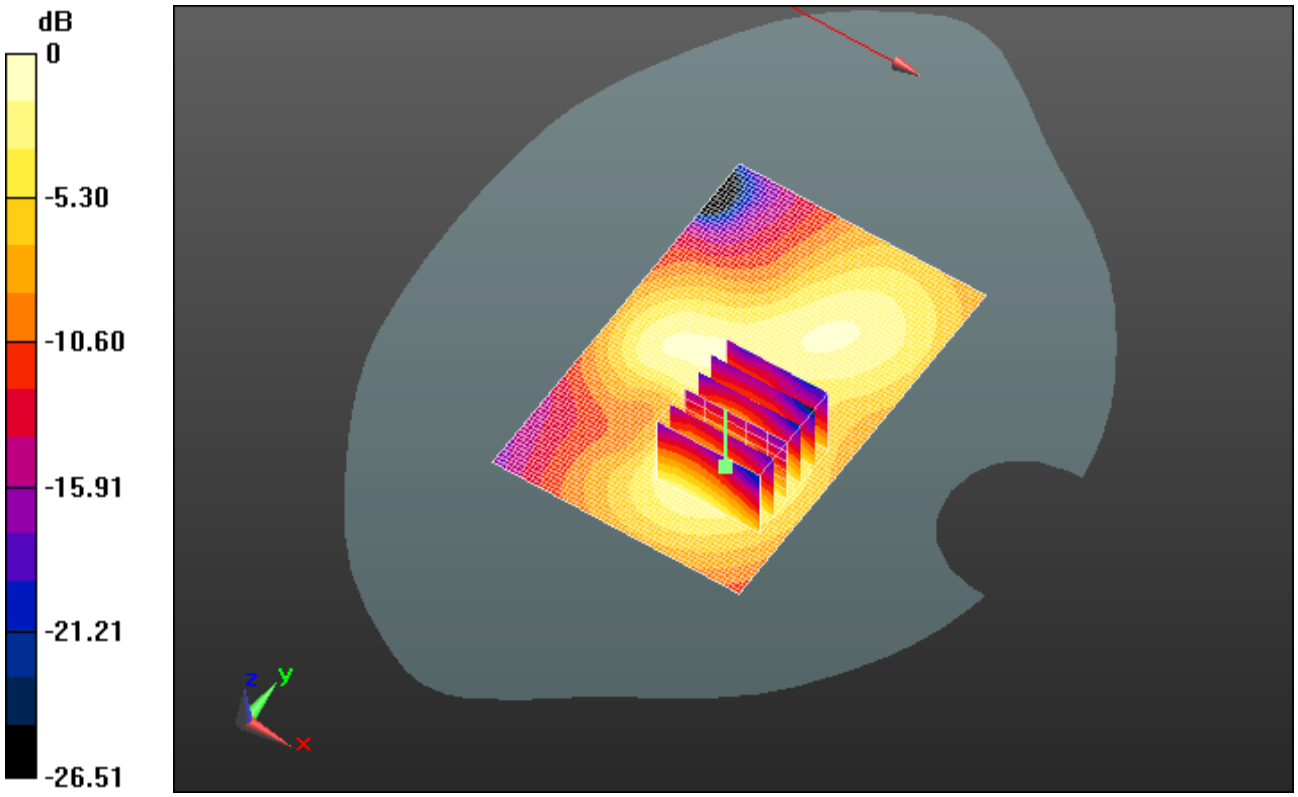
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.088 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.470 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.1380
SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.041 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.091 mW/g



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

Date/Time: 7/12/2012 12:08:19 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_23.2C_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:

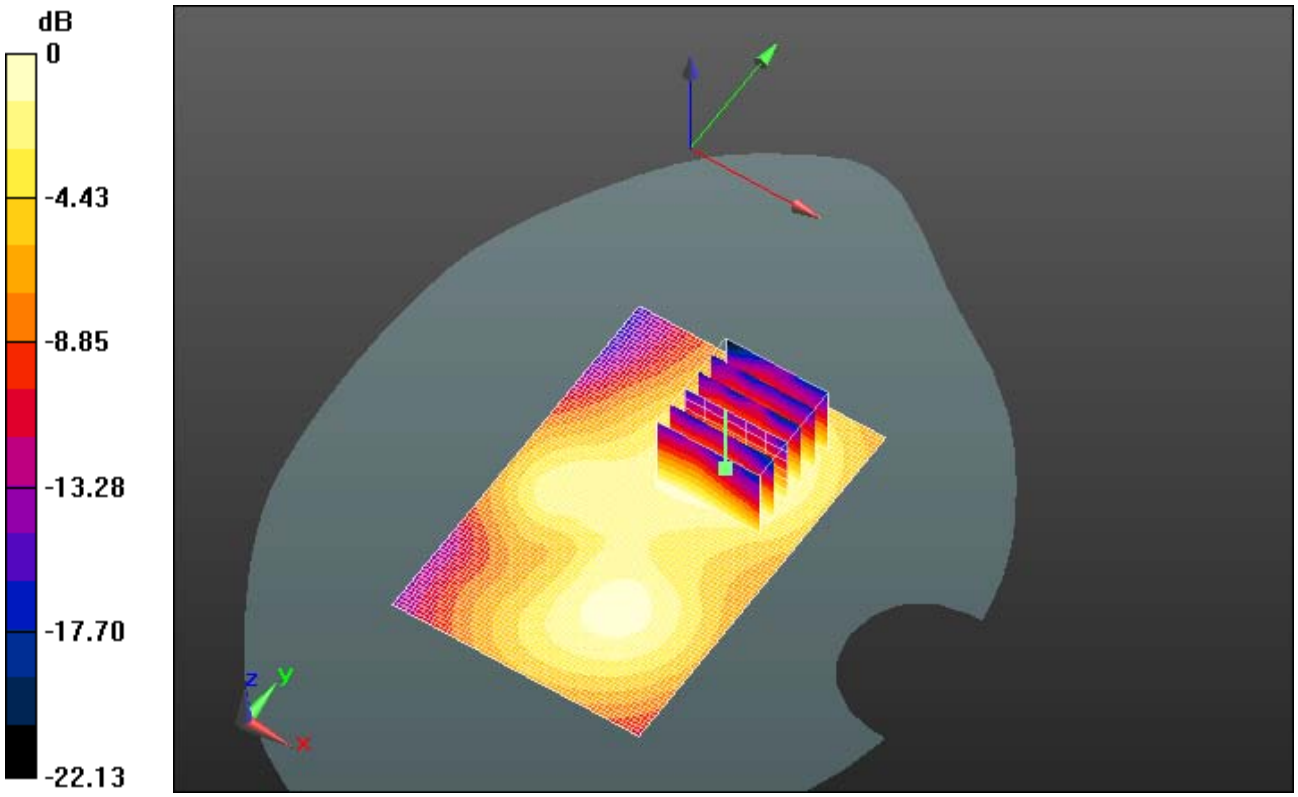
- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.063 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.381 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0950
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.031 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.064 mW/g



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

Z axis plot for the worst case body configuration