APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

GPRS 850

Date/Time: 12/11/2012 6:21:01 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 54.394; 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/15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.4_liq_temp_21.6C.da52/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 24.985 V/m; Power Drift = 0.27 dB
Fast SAR: SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.403 mW/g

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

Configuration/15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.4_liq_temp_21.6C.da52/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.985 V/m; Power Drift = 0.27 dB
Peak SAR (extrapolated) = 0.8050
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.460 mW/g

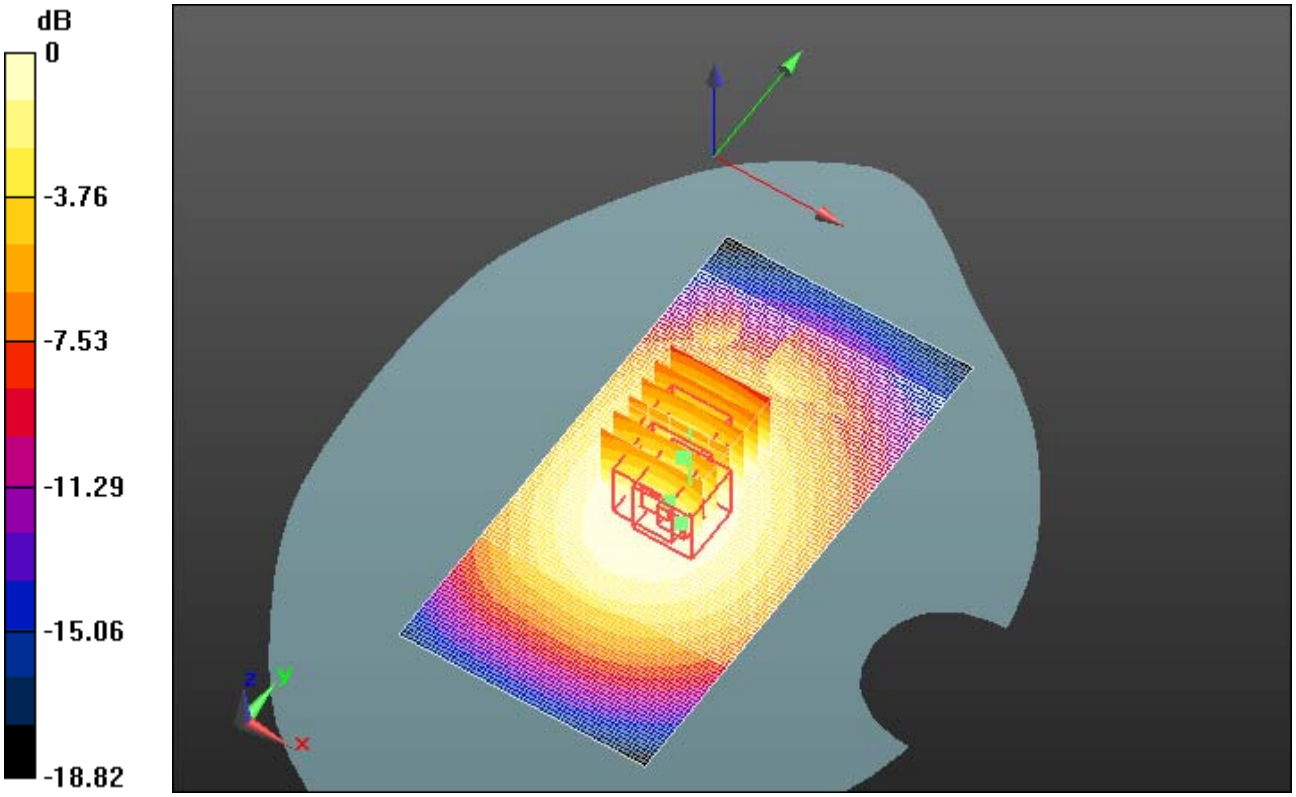
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.682 mW/g

Configuration/Vertical_Holster_Back_GPRS850_amb_temp_23.2_liq_temp_21.4C.da52/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 23.702 V/m; Power Drift = 0.38 dB
Fast SAR: SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.358 mW/g

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

Configuration/Vertical_Holster_Front_GPRS850_amb_temp_23.7_liq_temp_21.4C.da52/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 24.250 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.338 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.530 mW/g



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

Date/Time: 12/10/2012 7:19:11 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 54.394; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

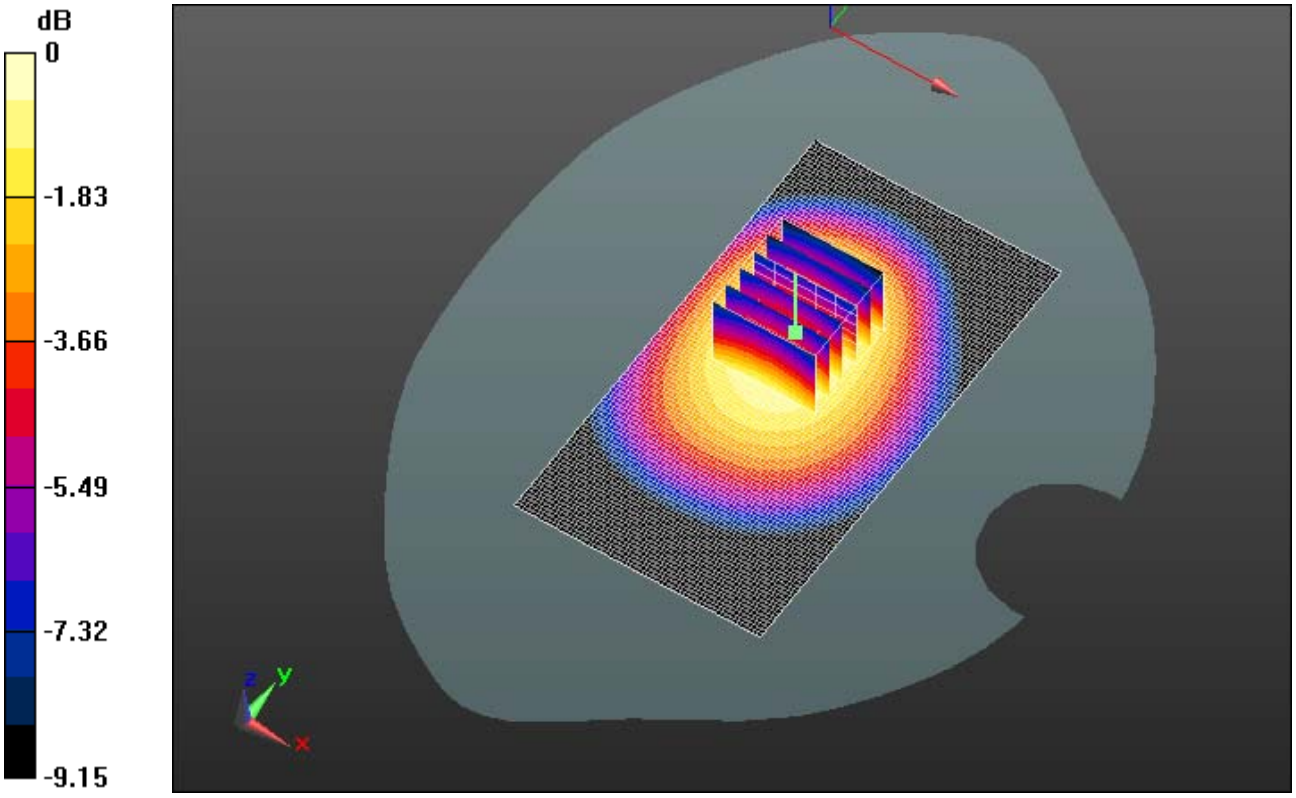
- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.952 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.7620
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.435 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.645 mW/g



0 dB = 0.650mW/g = -3.74 dB mW/g

Date/Time: 12/10/2012 7:41:15 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

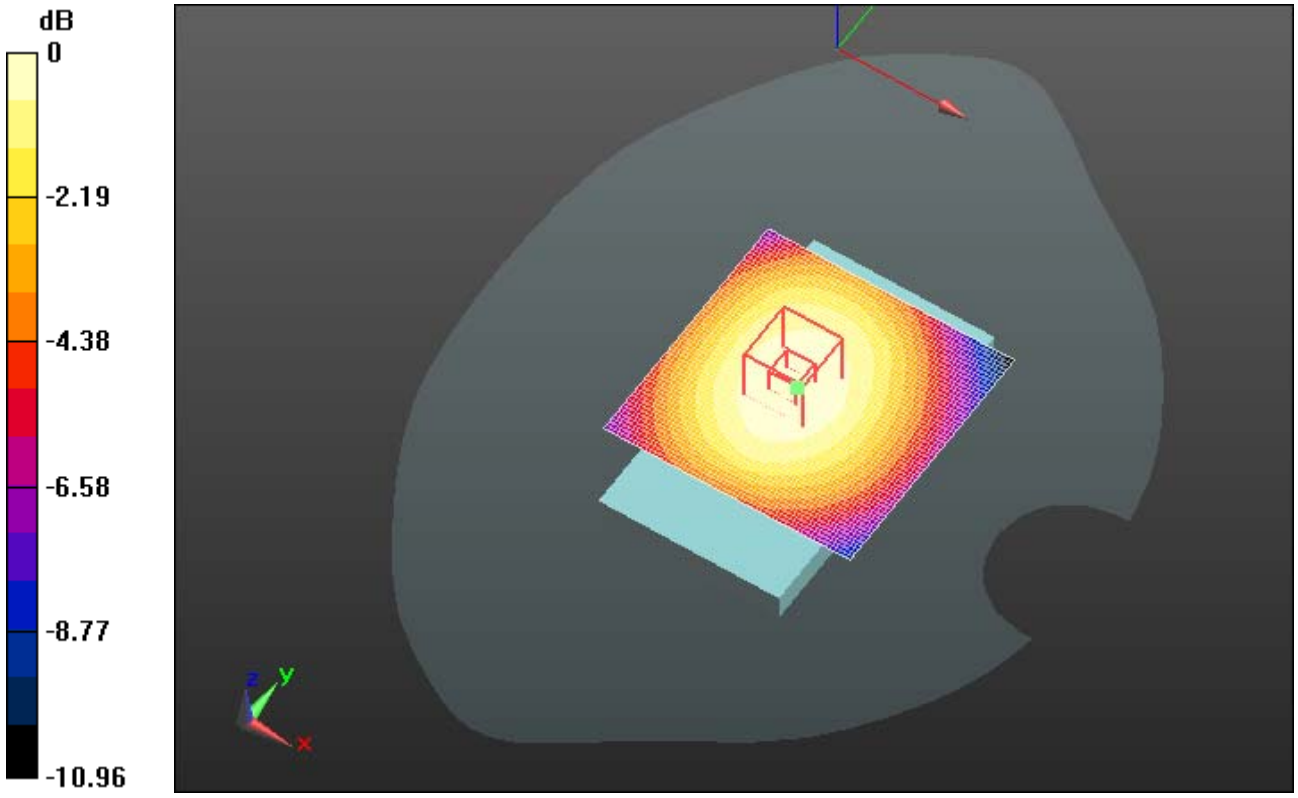
Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 54.394; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
- 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 (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 24.396 V/m; Power Drift = 0.10 dB
Fast SAR: SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.365 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.572 mW/g



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

Date/Time: 12/10/2012 7:51:26 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS850_mid_chan_amb_temp_23.3_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

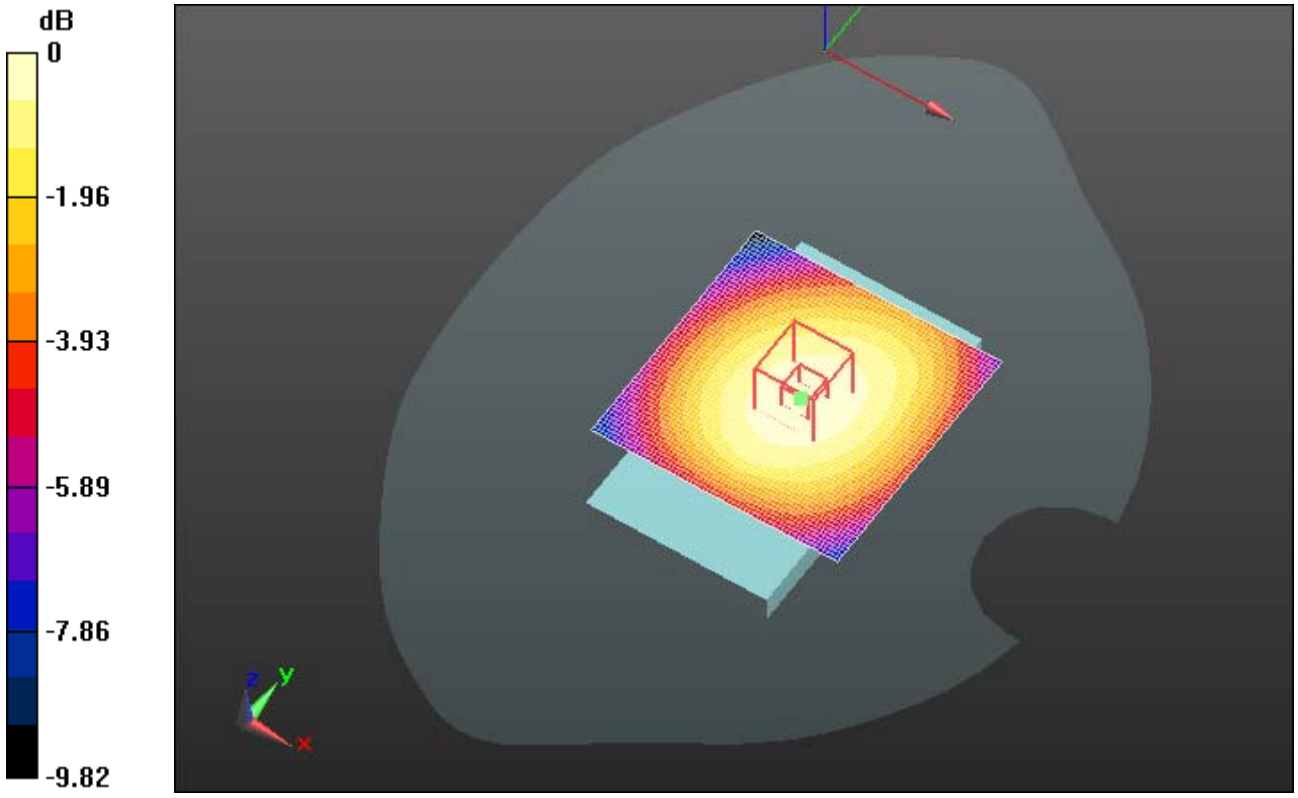
Communication System: GPRS 850; Frequency: 836.8 MHz
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.97 mho/m; ε_r = 54.394; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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
- 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 (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 23.881 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.348 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.546 mW/g



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

UMTS Band V

Date: 12/11/2012

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Body Configuration_UMTS Band V

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz
Medium Parameters used: f=836.4 MHz; σ = 0.969 S/m; ε_r = 54.399; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

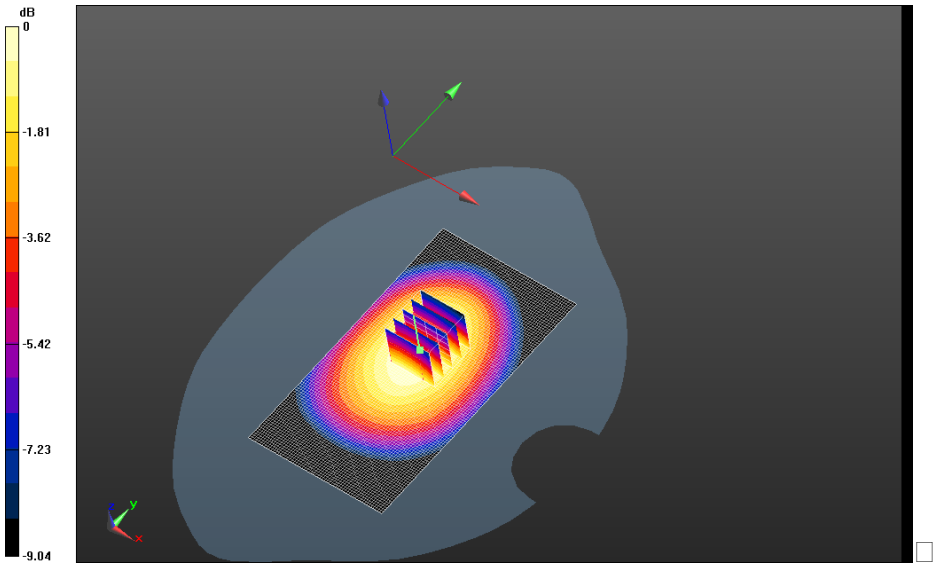
- Probe: ES3DV3 - SN3225; ConvF: (6.07,6.07,6.07); Calibrated: 1/11/2012;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.0(692); SEMCAD X Version 14.6.8 (7028)

Configuration/15mm_Spacer_Back_UMTS_band_V_mid_amb_temp_23.7_liq_temp_21.6C.da52/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 27.325 V/m; **Power Drift = -0.100 dB**

Configuration/15mm_Spacer_Back_UMTS_band_V_mid_amb_temp_23.7_liq_temp_21.6C.da52/Zoom Scan (5x5x7) (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 27.325 V/m; **Power Drift = -0.100 dB**

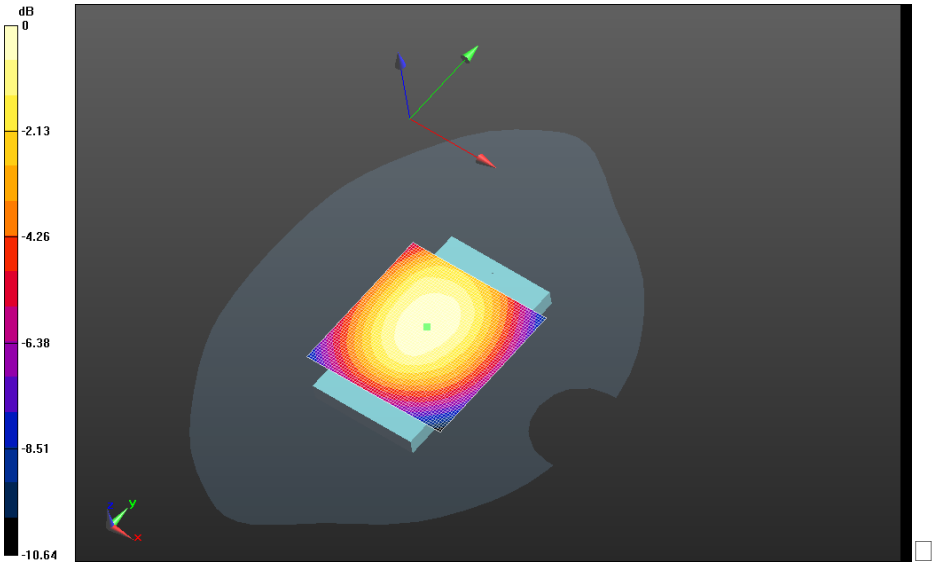
Averaged SAR: SAR(1g) = 0.652 W/kg; SAR(10g) = 0.484 W/kg
Maximum value of SAR (interpolated) = 0.846 W/kg



0 dB = 0.727 W/kg = -1.38 dBW/kg

Configuration/Vertical_Holster_Back_UMTS_Band_V_amb_temp_23.1_liq_temp_ 21.5C/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.360 V/m; **Power Drift = 0.026 dB**

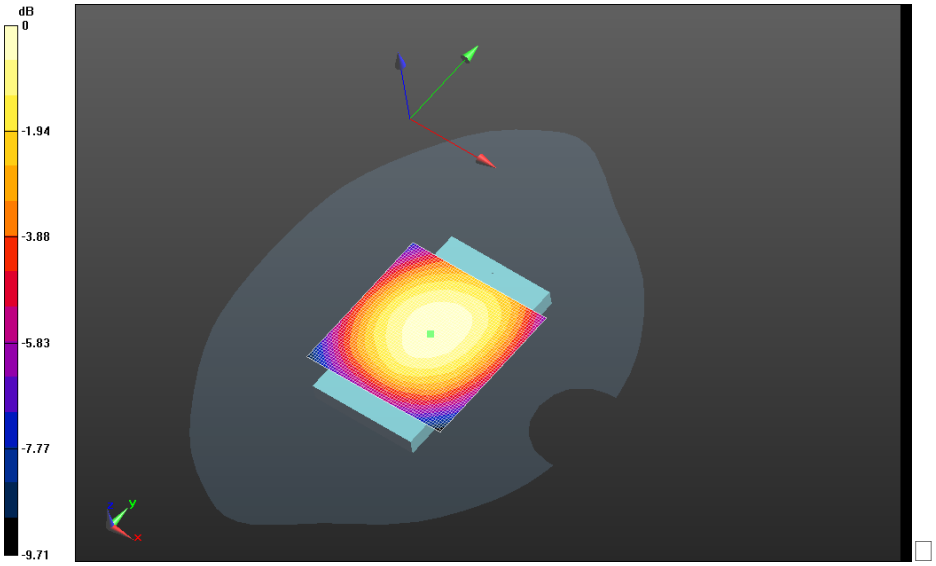
Fast SAR: SAR(1g) = 0.598 W/kg; SAR(10g) = 0.426 W/kg
Maximum value of SAR (interpolated) = 0.668 W/kg



0 dB = 0.727 W/kg = -1.38 dBW/kg

Configuration/Vertical_Holster_Front_UMTS_Band_V_amb_temp_23.7_liq_temp_21.4C.da52/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.389 V/m; **Power Drift = -0.094 dB**

Fast SAR: SAR(1g) = 0.566 W/kg; SAR(10g) = 0.405 W/kg
Maximum value of SAR (interpolated) = 0.633 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

GPRS 1900

Date/Time: 11/27/2012 12:31:32 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_24.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

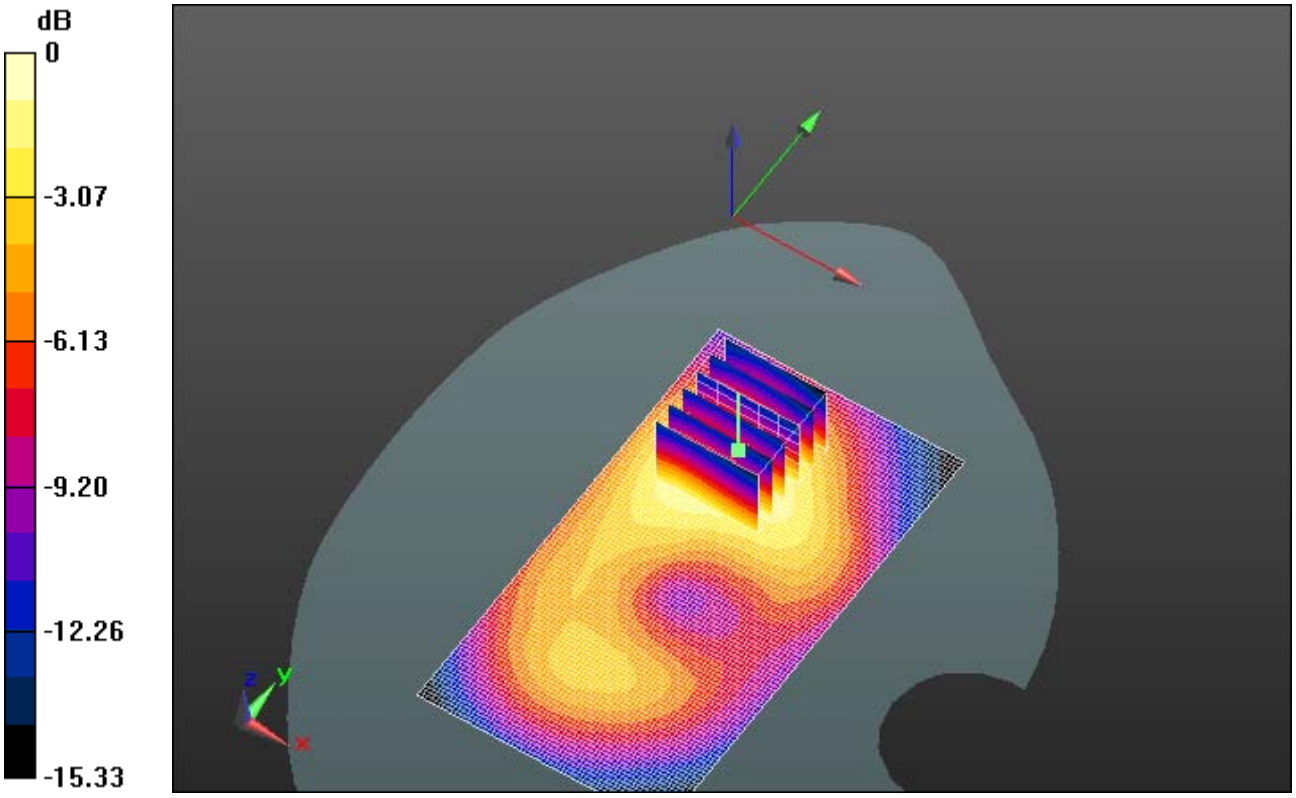
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.582 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.182 V/m; Power Drift = 0.0074 dB
Peak SAR (extrapolated) = 0.7560
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 0.552 mW/g



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

Date/Time: 11/27/2012 11:47:25 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS1900_mid_chan_amb_temp_23.8_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

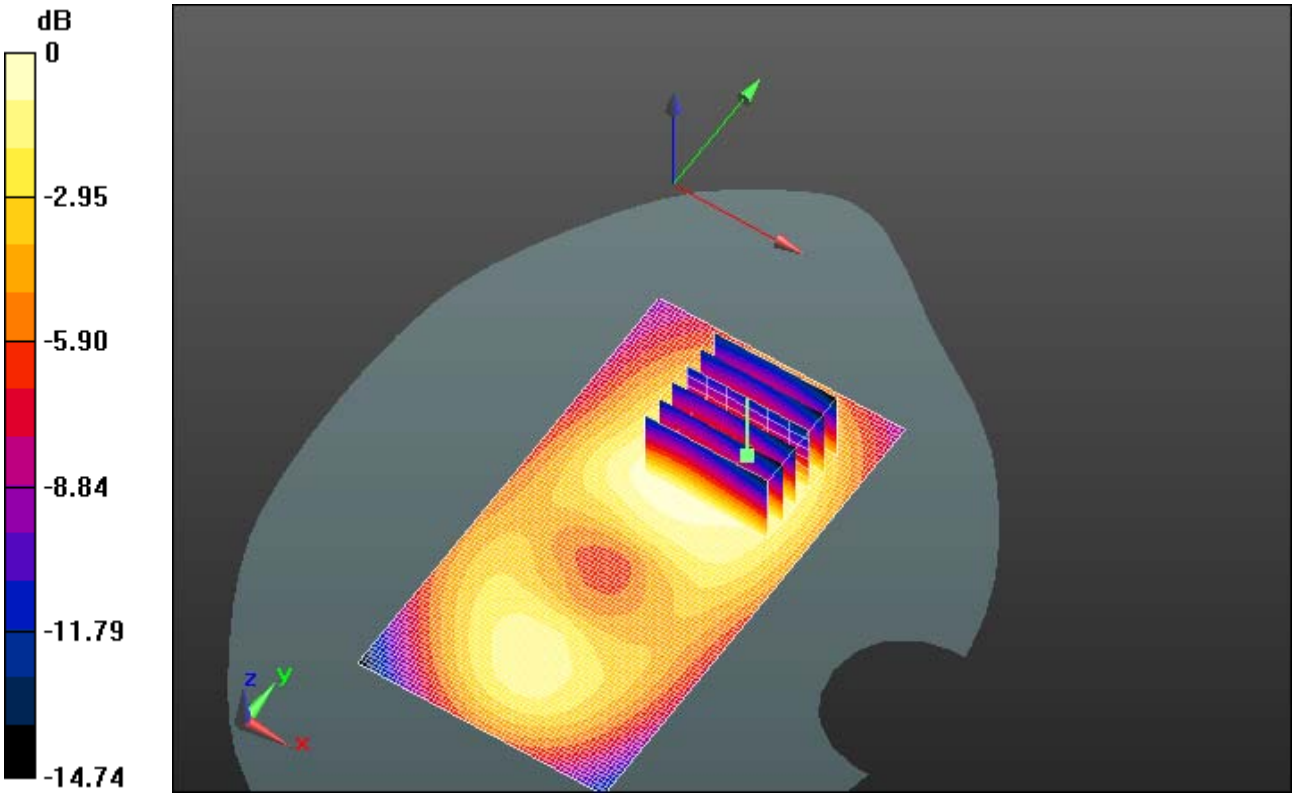
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.228 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.123 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.2810
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.215 mW/g



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

Date/Time: 11/27/2012 12:08:44 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_23.8_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

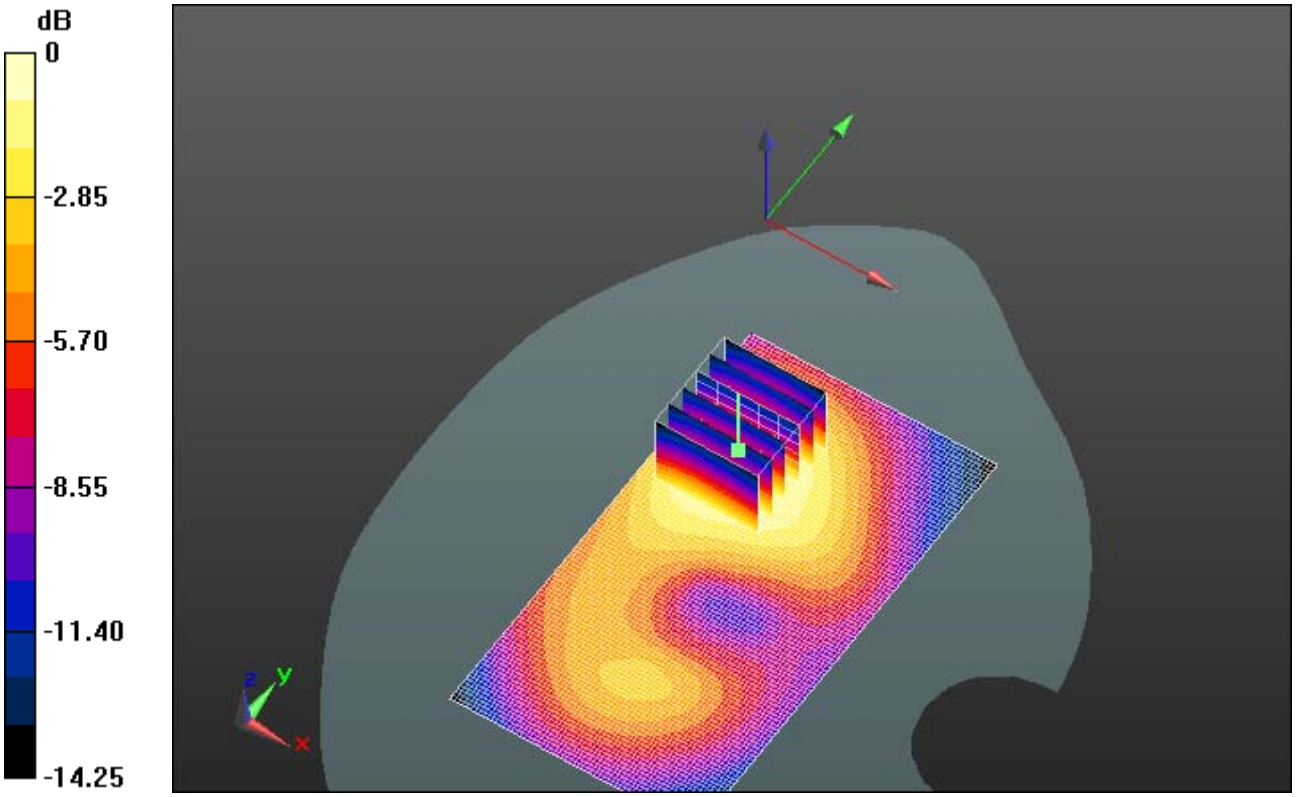
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.332 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.049 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.4330
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.329 mW/g



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

Date/Time: 12/2/2012 6:16:53 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS1900_mid_chan_2100

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

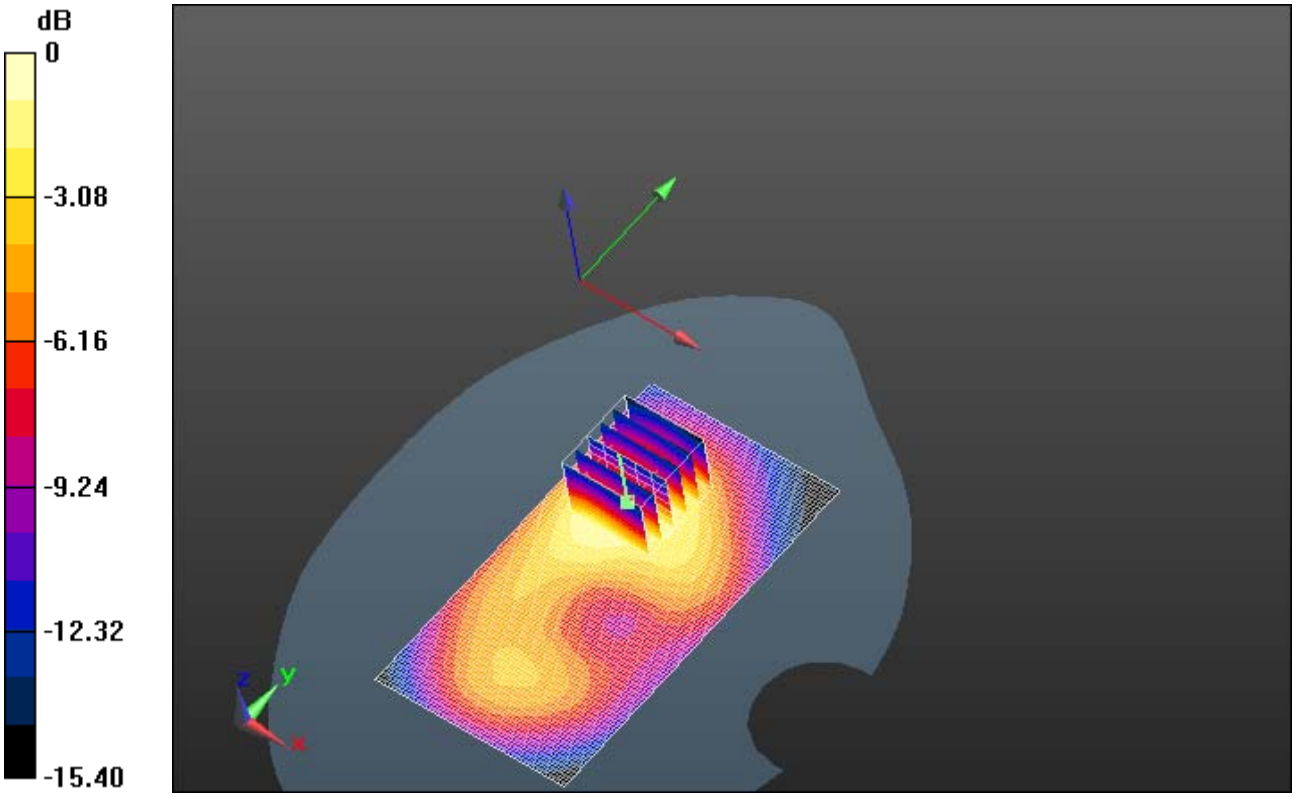
Communication System: GPRS 1900; Communication System Band: GPRS 1900;
Frequency: 1880 MHz;Communication System PAR: 6.232 dB; PMF: 2.04927
Medium parameters used: f = 1880 MHz; σ = 1.487 S/m; ε_r = 52.143; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012;
  - Modulation Compensation: Not calibrated
- 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 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x111x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.583 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.038 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg = -2.32 dBW/kg

Date/Time: 11/26/2012 10:11:56 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_EDGE1900_mid_chan_amb_temp_23.8_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

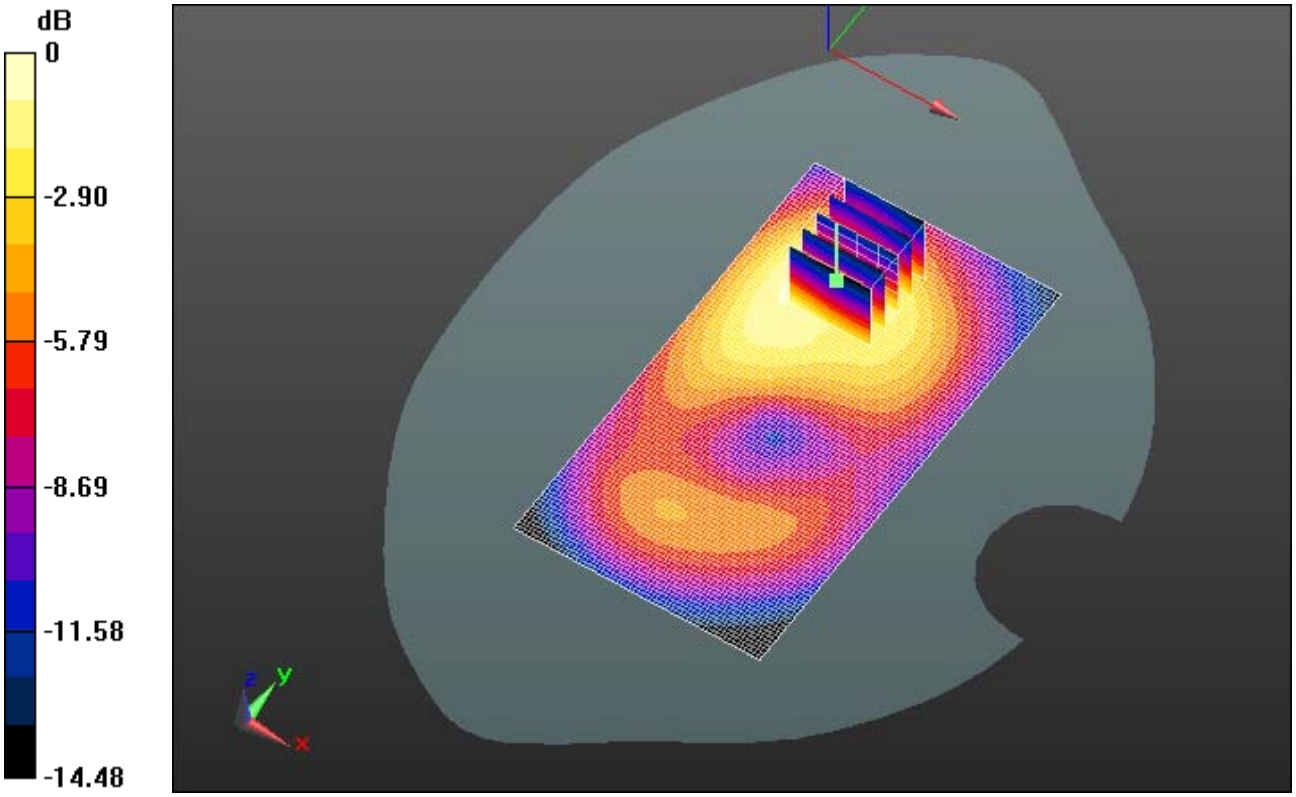
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.646 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.588 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.8190
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.608 mW/g



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

Date/Time: 11/26/2012 10:31:48 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_EDGE1900_mid_chan_amb_temp_23.8_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

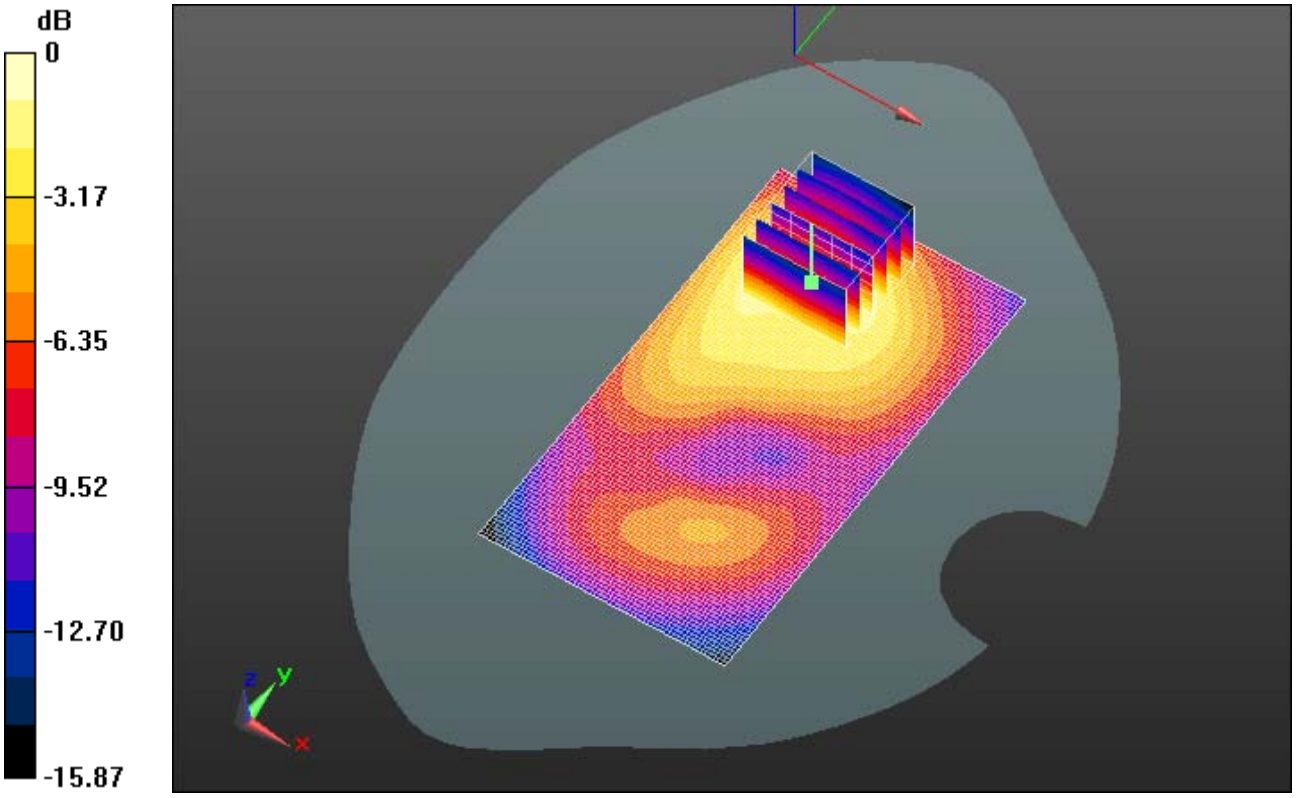
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.430 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.067 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.5670
SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.432 mW/g



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

Date/Time: 11/26/2012 10:53:19 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_EDGE1900_mid_chan_amb_temp_23.8_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

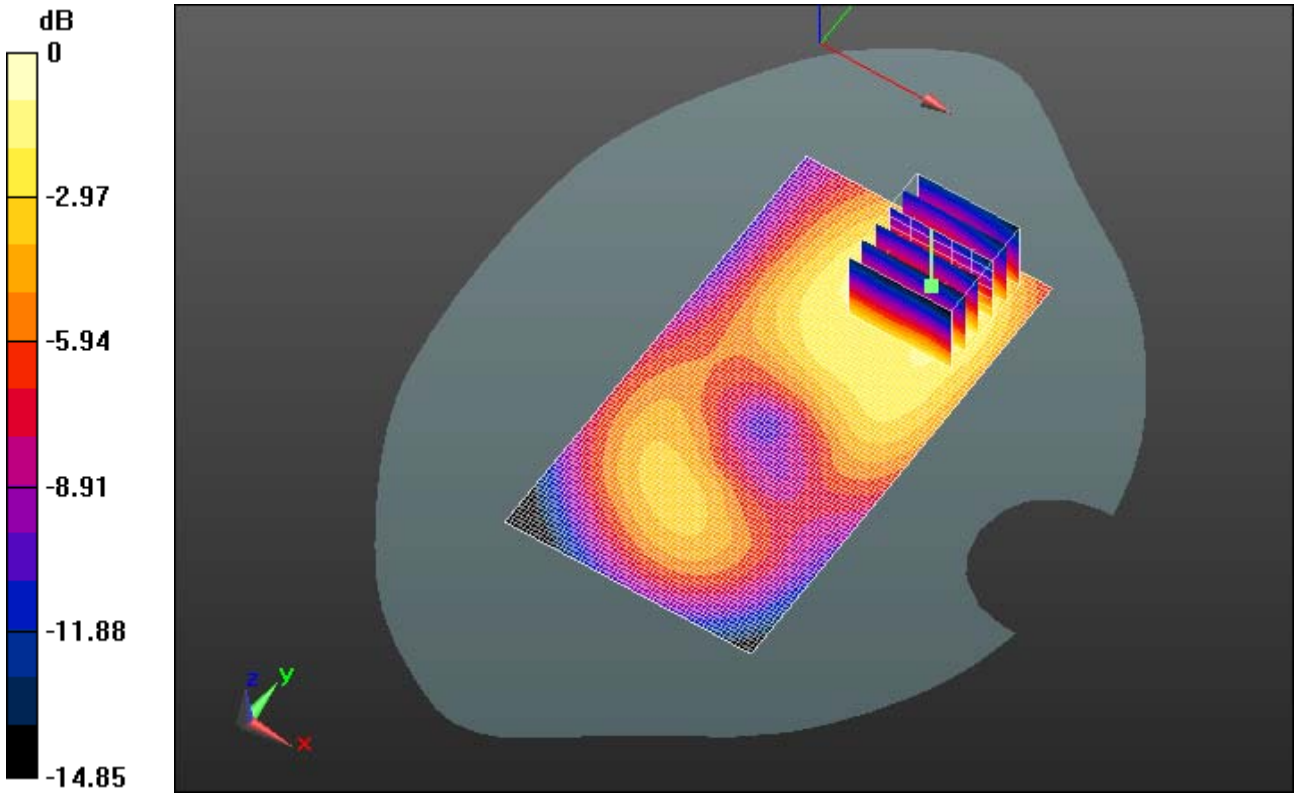
Communication System: EDGE 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.265 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.178 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.3640
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.146 mW/g
Maximum value of SAR (measured) = 0.276 mW/g



0 dB = 0.280mW/g = -11.06 dB mW/g

Date/Time: 11/29/2012 2:34:39 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.9_liq_temp_22.5C_2100

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

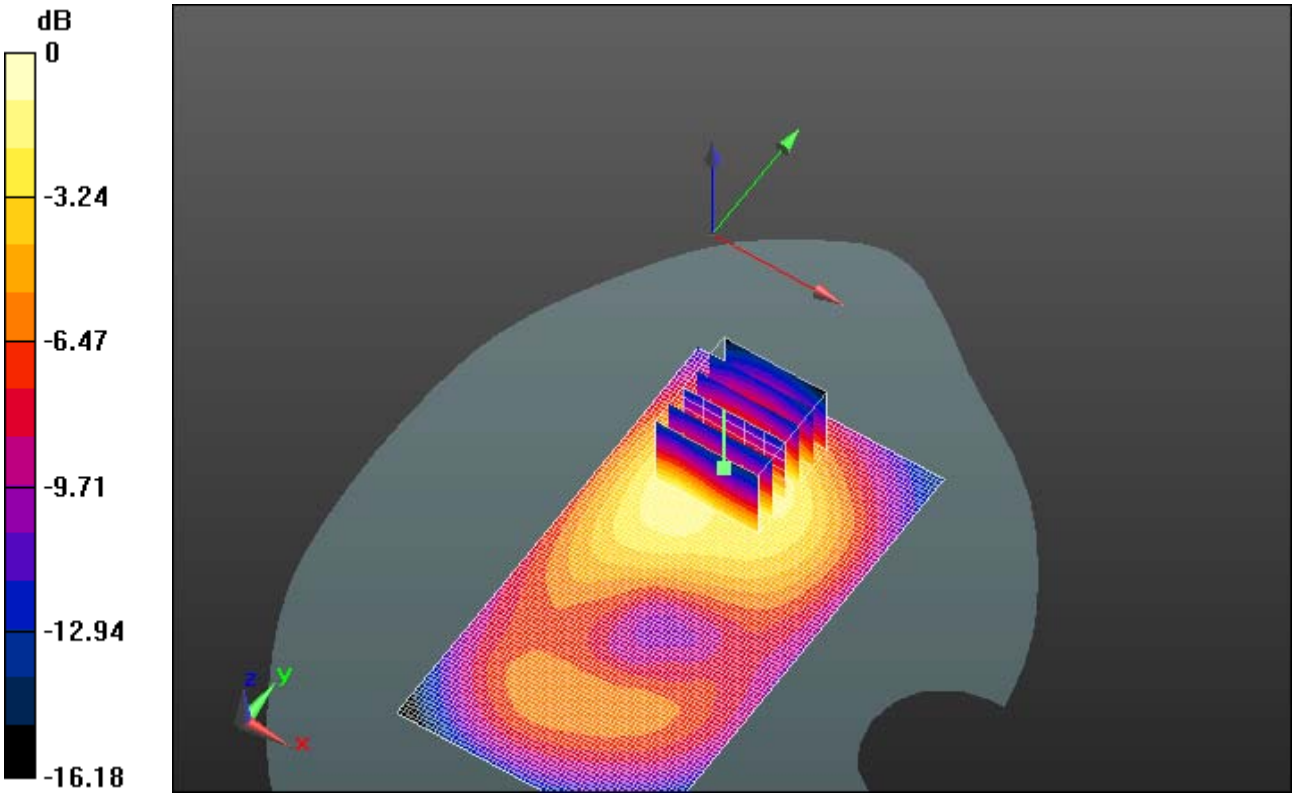
Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.546 mho/m; ε_r = 51.059; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.766 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.738 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.9880
SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.364 mW/g
Maximum value of SAR (measured) = 0.720 mW/g



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

UMTS Band II

Date/Time: 11/27/2012 10:23:27 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

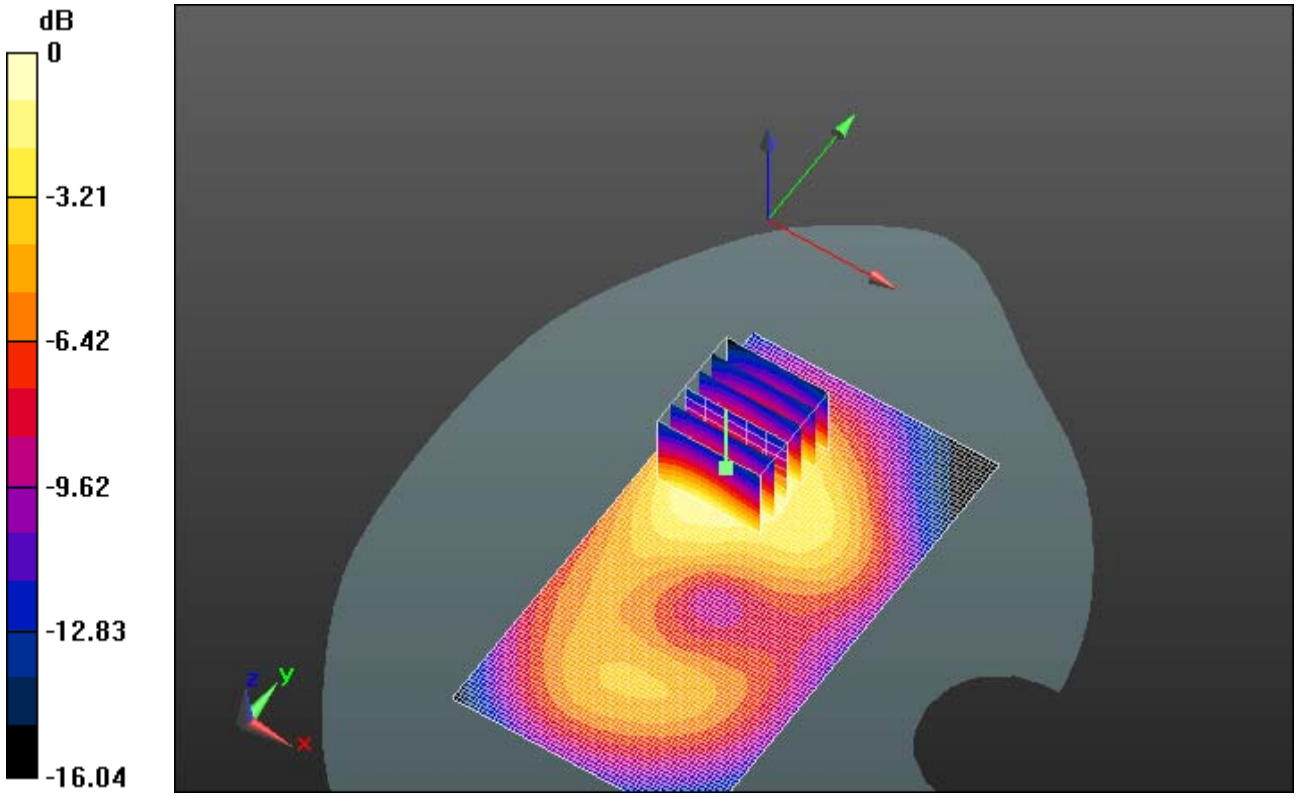
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.716 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.897 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.9560
SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.352 mW/g
Maximum value of SAR (measured) = 0.709 mW/g



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

Date/Time: 11/27/2012 10:55:23 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_II_mid_chan_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

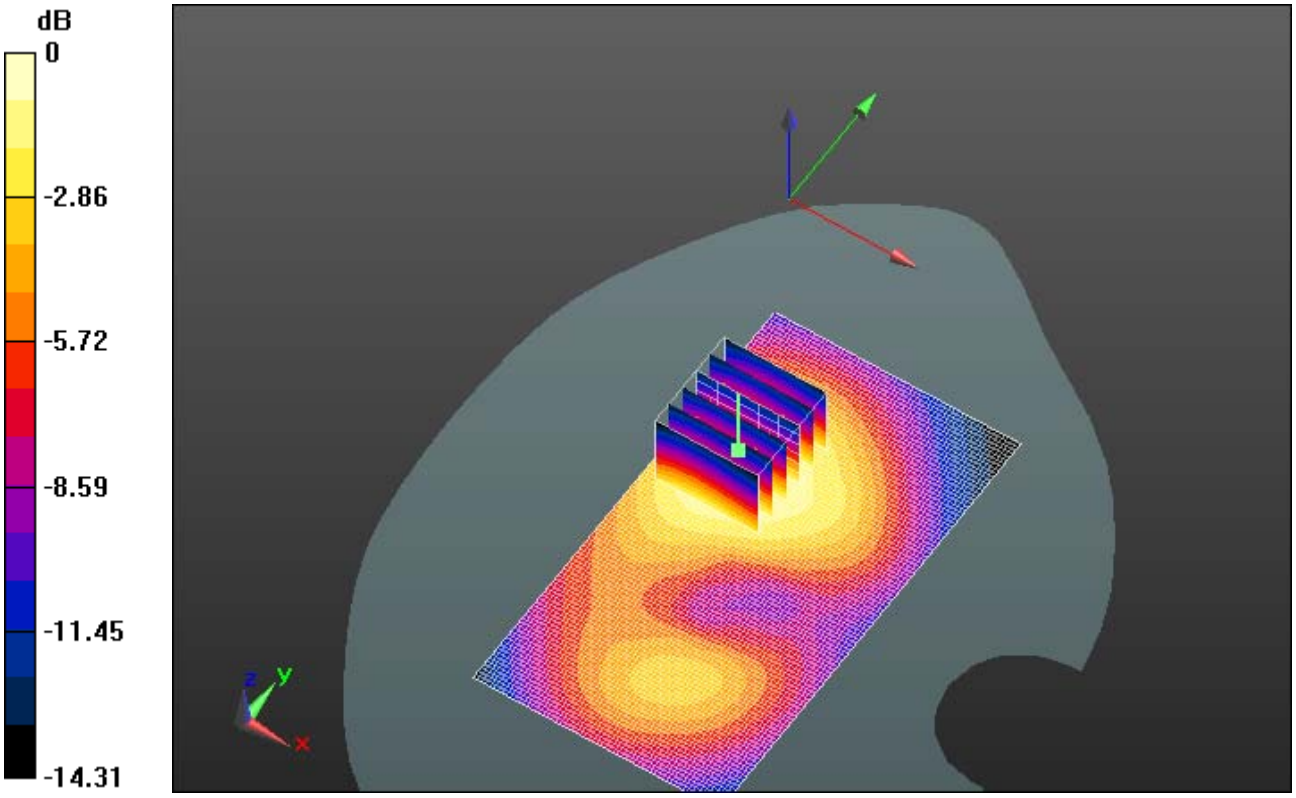
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.433 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.029 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.5780
SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.224 mW/g
Maximum value of SAR (measured) = 0.435 mW/g



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

Date/Time: 11/27/2012 11:22:17 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_Band_II_mid_chan_amb_temp_23.8_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

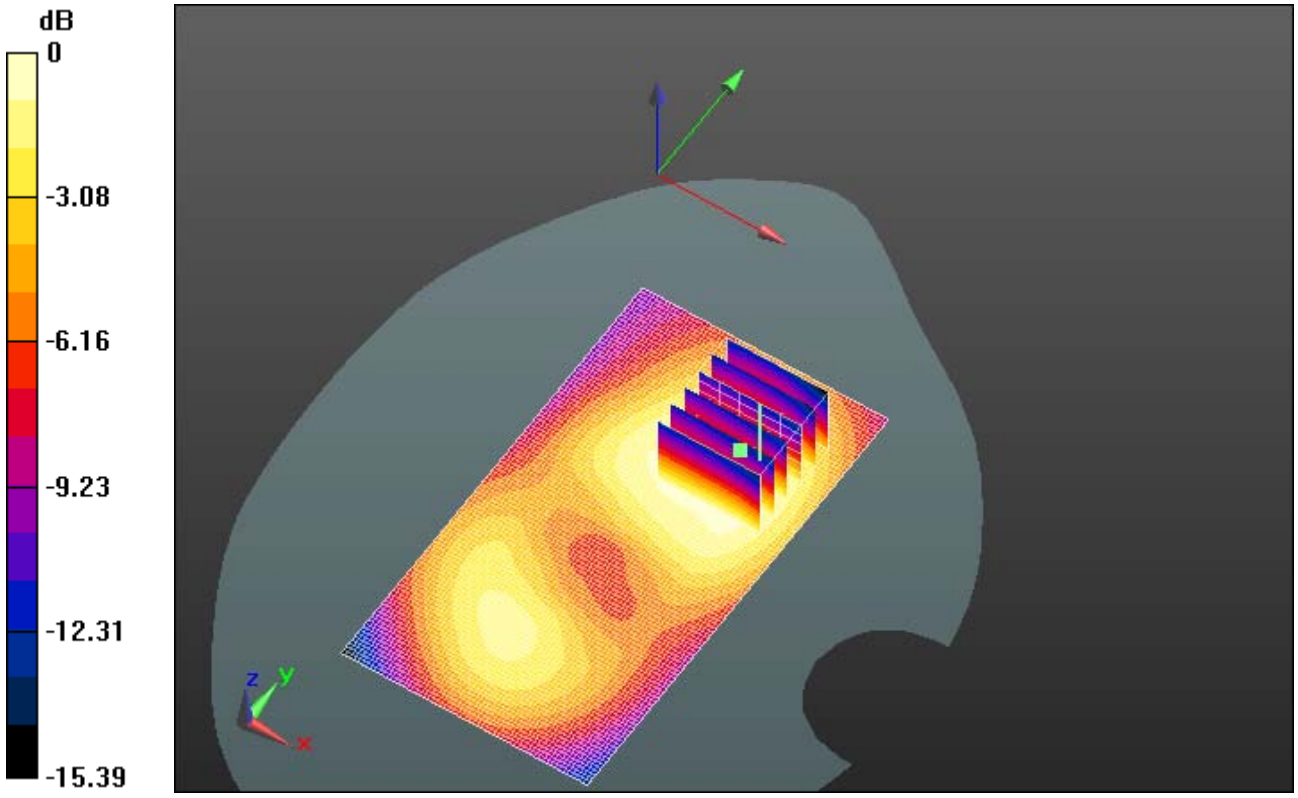
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.294 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.432 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.3870
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.156 mW/g
Maximum value of SAR (measured) = 0.287 mW/g



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

Date/Time: 12/2/2012 5:37:49 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_II_mid_chan_2100

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

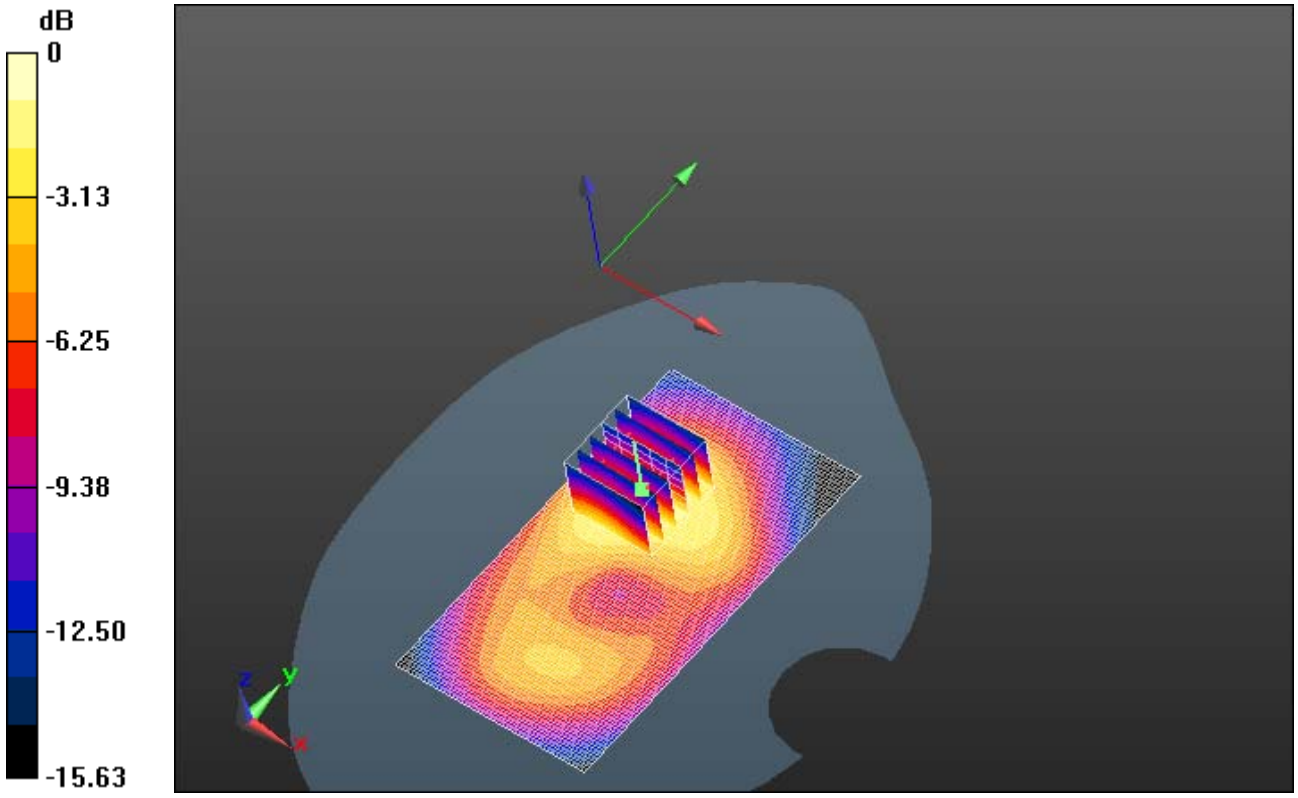
Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 1880 MHz; σ = 1.487 S/m; ε_r = 52.143; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012;
  - Modulation Compensation:
- 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 14.6.8(7028)

Configuration/Touch position -/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.702 W/kg

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.892 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.944 W/kg
SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.698 W/kg = -1.56 dBW/kg

Date/Time: 11/23/2012 4:14:05 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_24.1_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

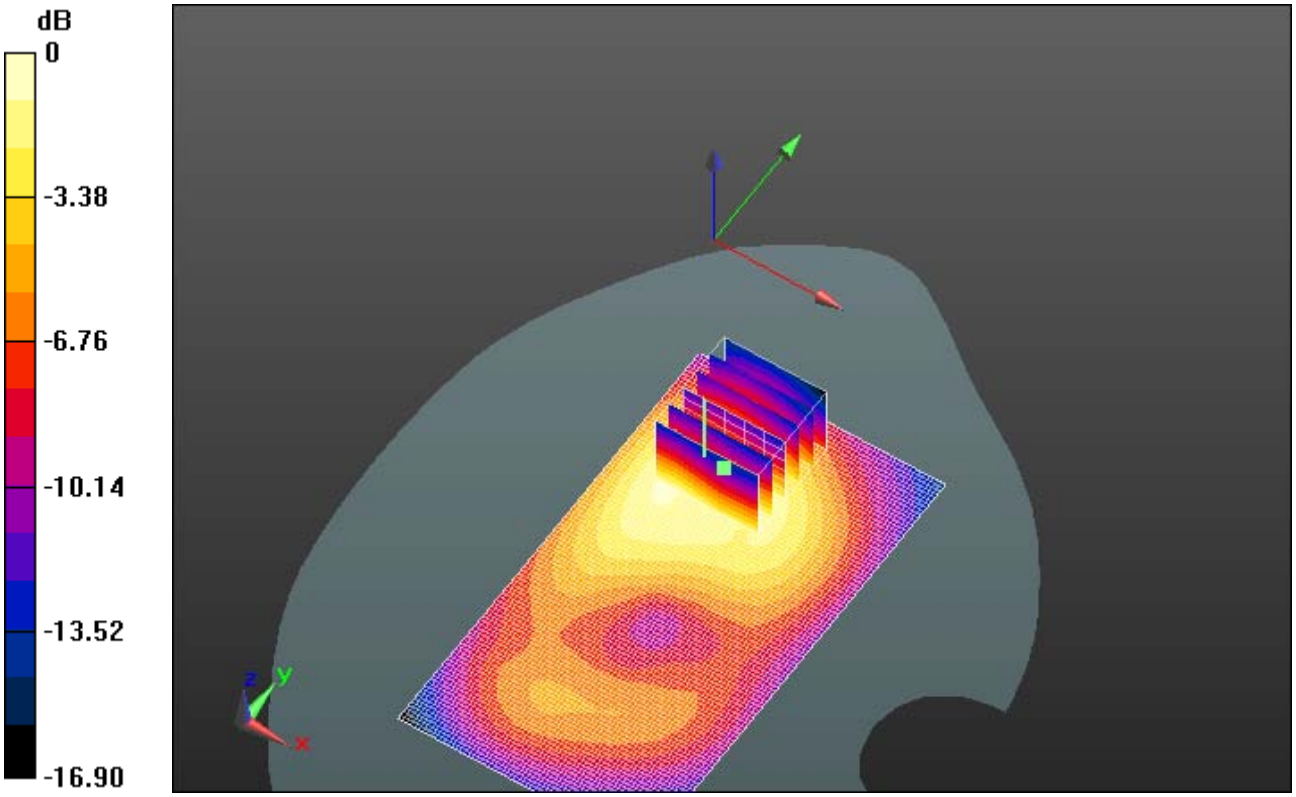
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.548 mho/m; ε_r = 50.952; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.766 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.934 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.9940
SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.379 mW/g
Maximum value of SAR (measured) = 0.731 mW/g



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

Date/Time: 11/23/2012 4:49:36 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_II_mid_chan_amb_temp_23.9_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

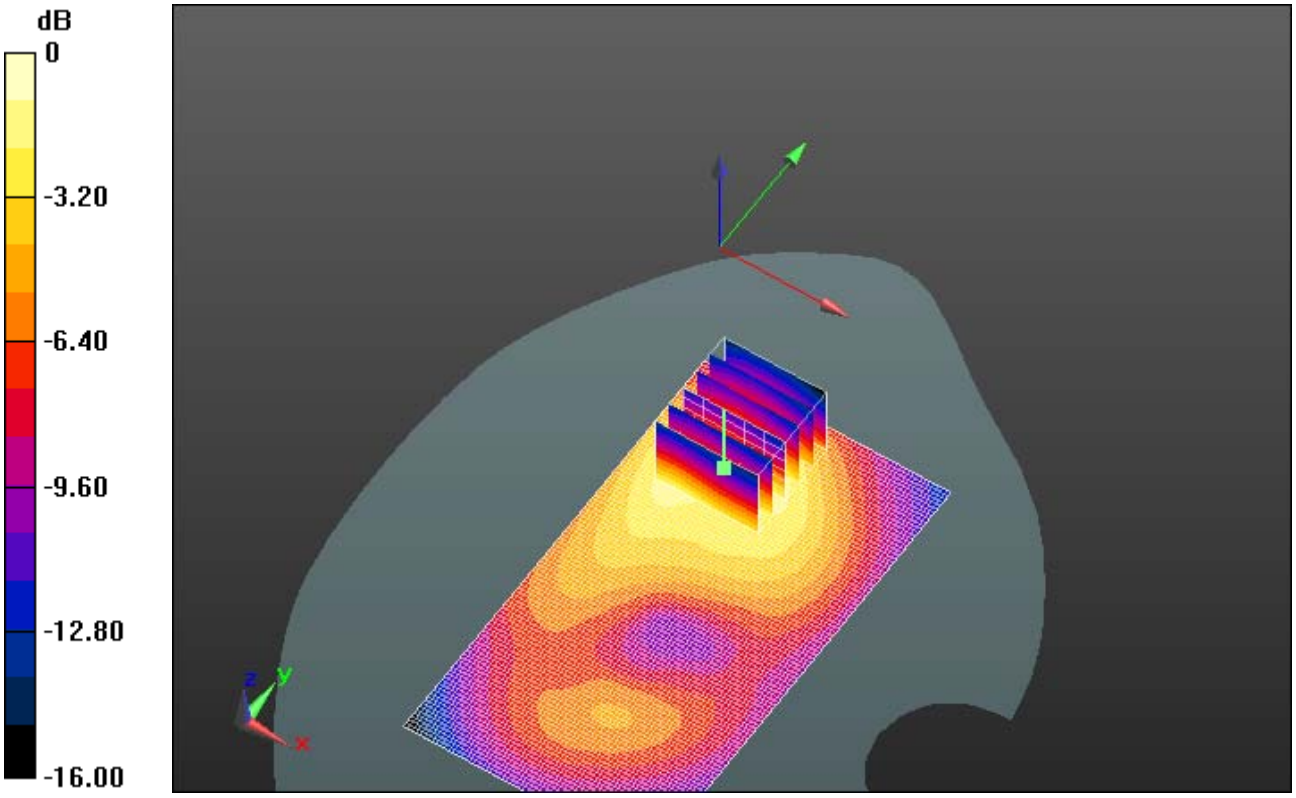
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.548 mho/m; ε_r = 50.952; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.513 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.690 V/m; Power Drift = 0.25 dB
Peak SAR (extrapolated) = 0.6840
SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 0.521 mW/g



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

Date/Time: 11/26/2012 10:43:19 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_Band_II_mid_chan_amb_temp_25.3_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

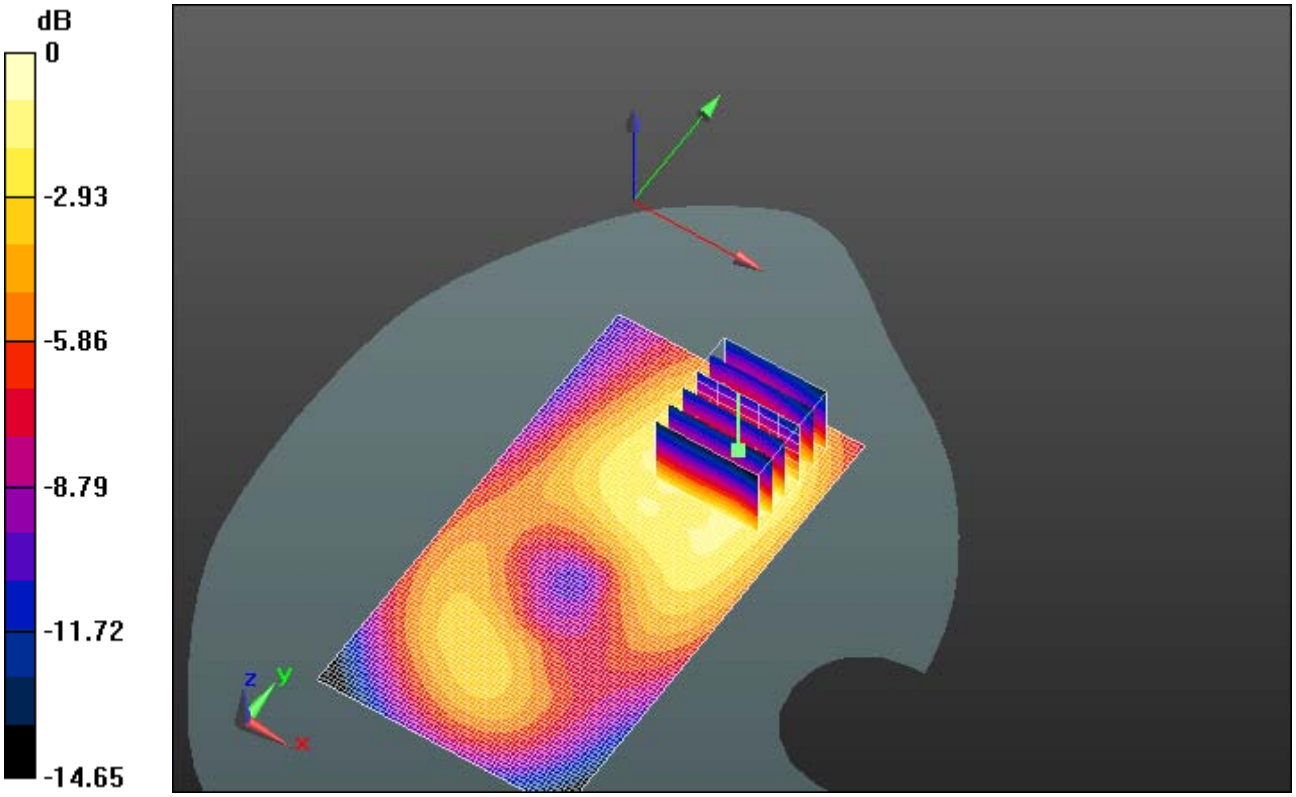
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 50.828; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.003 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.4290
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.332 mW/g



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

Date/Time: 11/29/2012 2:55:19 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.9_liq_temp_22.7C_2100

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25CF0BA5

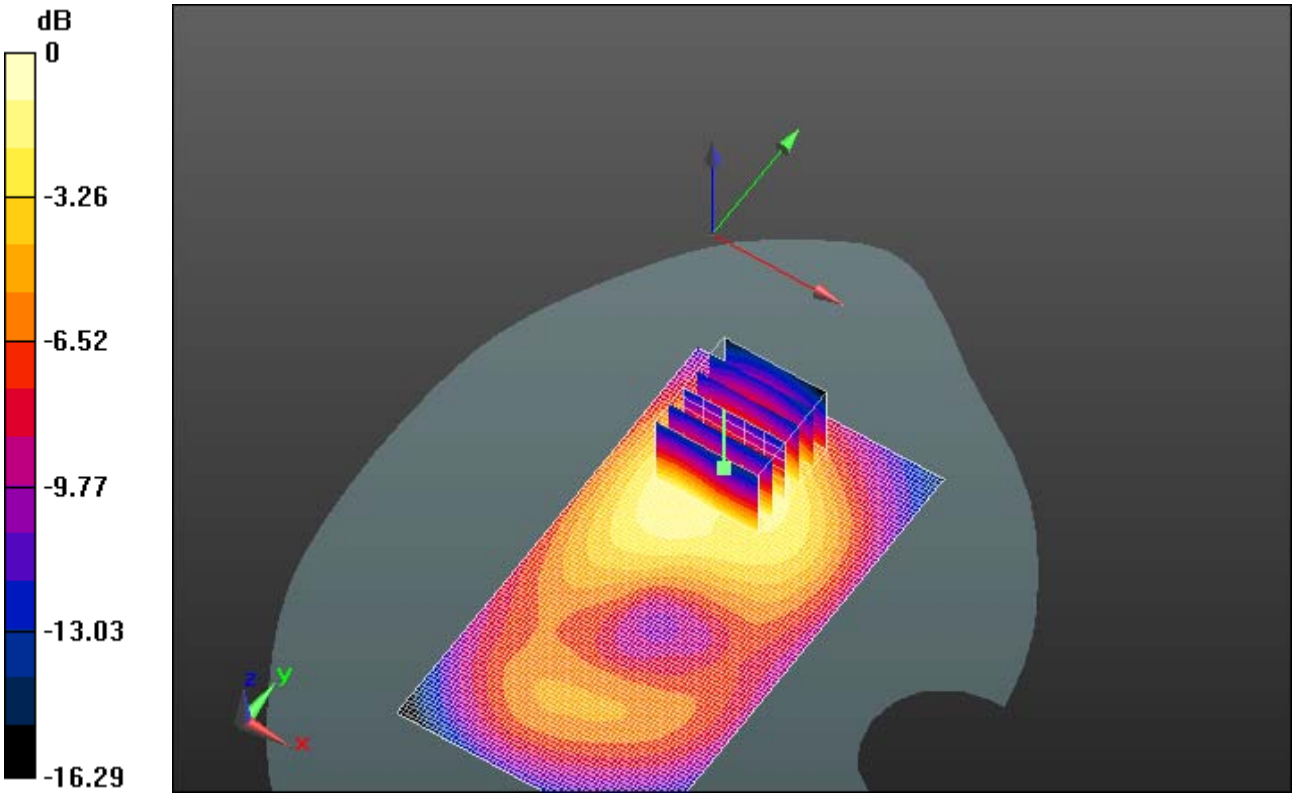
Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.546 mho/m; ε_r = 51.059; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

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 (61x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.809 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.937 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.0320
SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.386 mW/g
Maximum value of SAR (measured) = 0.759 mW/g



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

802.11b

Date: 1/21/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

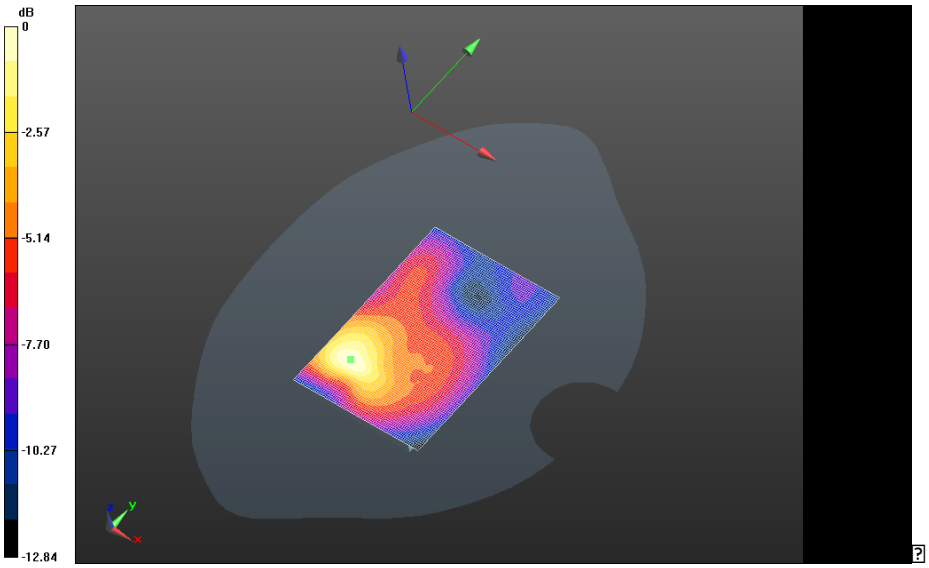
Configuration: Flat-Section MSL_Body-Worn SAR

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; σ = 1.889 S/m; ε_r = 51.148; ρ = 1.000 g/cm^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.11,4.11,4.11); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

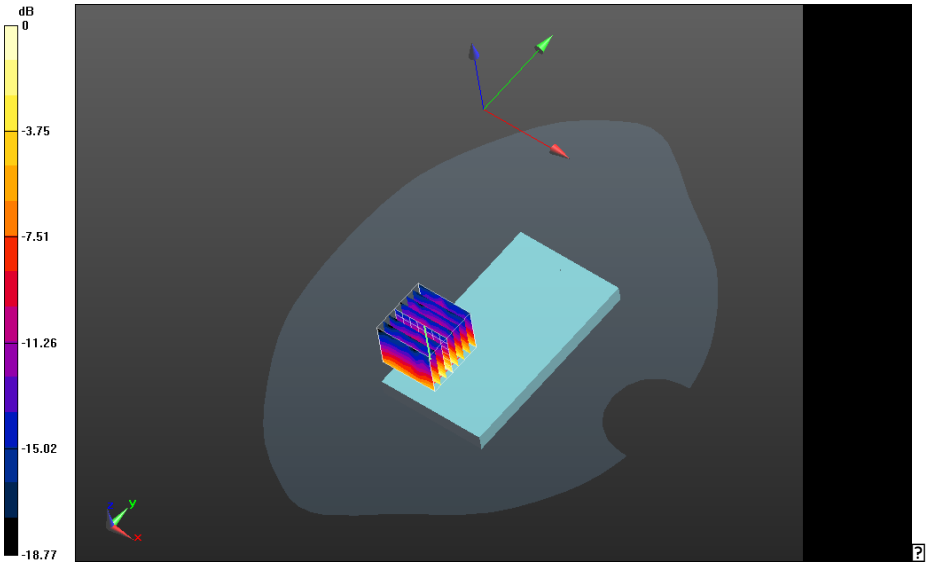
Flat-Section MSL_Body-Worn SAR/Device Back_15mm_Amb_Temp_23.9C_Liquid_Temp_21.6C/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 7.944 V/m; **Power Drift = 0.119 dB**



0 dB = 0.416 W/kg = -3.81 dBW/kg

Flat-Section MSL_Body-Worn SAR/Device Back_15mm_Amb_Temp_23.9C_Liquid_Temp_21.6C 2/Zoom Scan (36x36x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 7.906 V/m; **Power Drift = -0.016 dB**

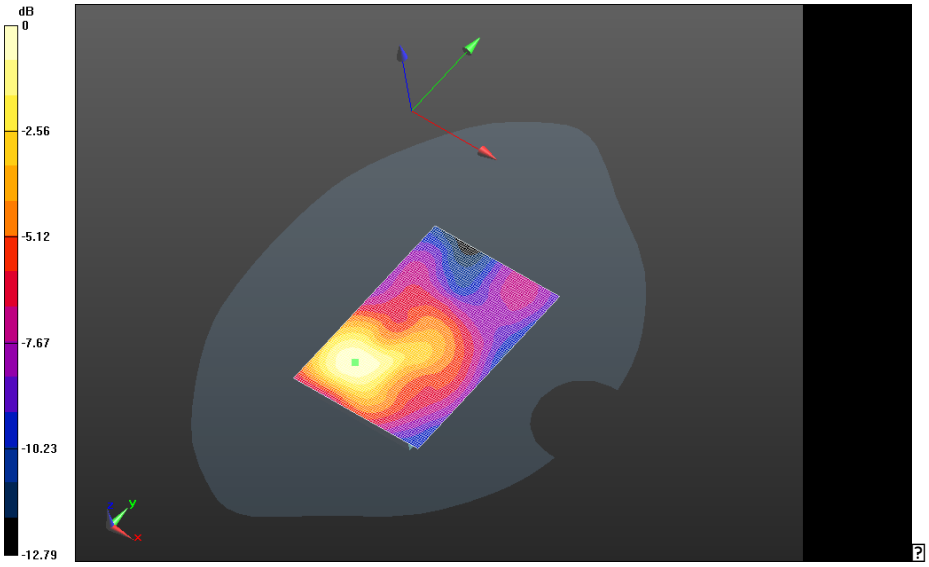
Averaged SAR: SAR(1g) = 0.324 W/kg; SAR(10g) = 0.173 W/kg
Maximum value of SAR (interpolated) = 0.717 W/kg



0 dB = 0.416 W/kg = -3.81 dBW/kg

Flat-Section MSL_Body-Worn SAR/Holster_Device Back_Amb_Temp_24.2C_Liquid_Temp_21.9C/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.036 V/m; **Power Drift = -0.016 dB**

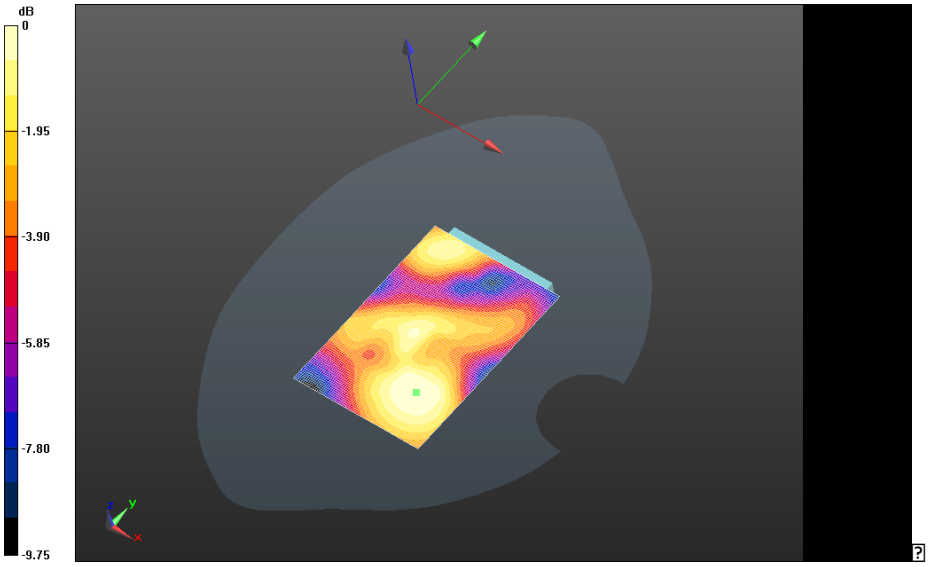
Fast SAR: SAR(1g) = 0.262 W/kg; SAR(10g) = 0.145 W/kg; Secondary SAR(1g) = 0.0520 W/kg
Maximum value of SAR (interpolated) = 0.289 W/kg



0 dB = 0.346 W/kg = -4.61 dBW/kg

Flat-Section MSL_Body-Worn SAR/Holster_Device Front_Amb_Temp_23.7C_Liquid_Temp_22.4C/Area Scan (71x101x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 4.902 V/m; **Power Drift = 0.021 dB**

Fast SAR: SAR(1g) = 0.0541 W/kg; SAR(10g) = 0.0316 W/kg; Secondary SAR(1g) = 0.0456 W/kg
Maximum value of SAR (interpolated) = 0.0577 W/kg



0 dB = 0.289 W/kg = -5.39 dBW/kg

Bluetooth

Date: 1/22/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 25CF0BA5

Configuration: Flat-Section MSL_Body-Worn SAR

Communication System: Bluetooth; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz
Medium Parameters used: f=2441 MHz; σ = 1.894 S/m; ε_r = 51.135; ρ = 1.000 g/cm^3
Phantom section: Flat Section

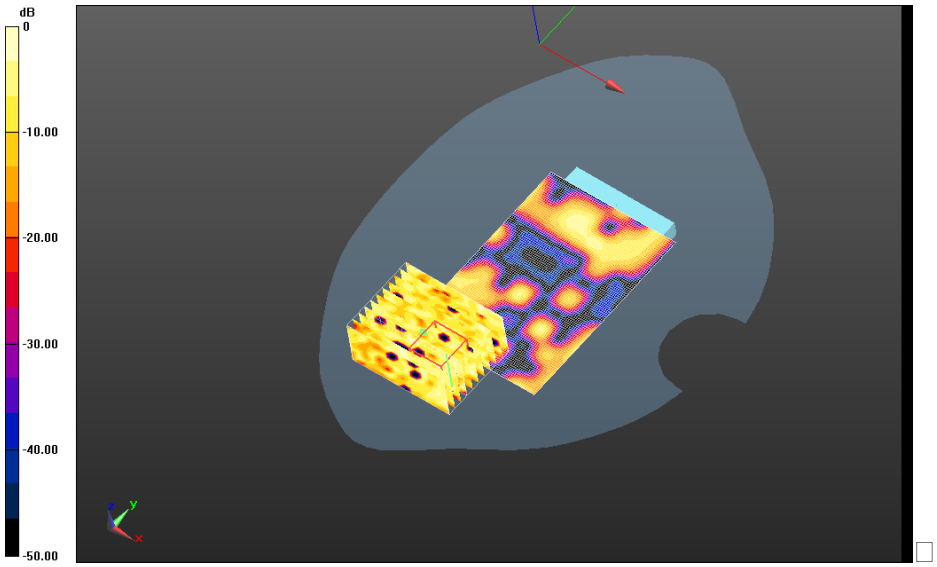
DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF: (4.11,4.11,4.11); Calibrated: 11/13/2012;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Flat-Section MSL_Body-Worn SAR/Device Back_15mm_Amb_Temp_23.9C_Liquid_Temp_21.6C/Area Scan (71x101x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.483 V/m; **Power Drift = -0.248 dB**

Flat-Section MSL_Body-Worn SAR/Device Back_15mm_Amb_Temp_23.9C_Liquid_Temp_21.6C/Zoom Scan (66x51x36)/Cube 0:
Interpolated grid: dx=**1.000** mm, dy=**1.000** mm, dz=**1.000** mm
Reference Value = 0.483 V/m; **Power Drift = -0.248 dB**

Averaged SAR: SAR(1g) = 0.000389 W/kg; SAR(10g) = 0.0000821 W/kg
Maximum value of SAR (interpolated) = 0.00967 W/kg



0 dB = 0.0113 W/kg = -19.47 dBW/kg

802.11a

Date: 2/27/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2AB01FAD

Configuration: Body Worn MSL - 802.11a 5200 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5180 MHz
Medium Parameters used: f=5180 MHz; σ = 5.119 S/m; ε_r = 46.984; ρ = 1.000 g/cm^3
Phantom section: Flat Section

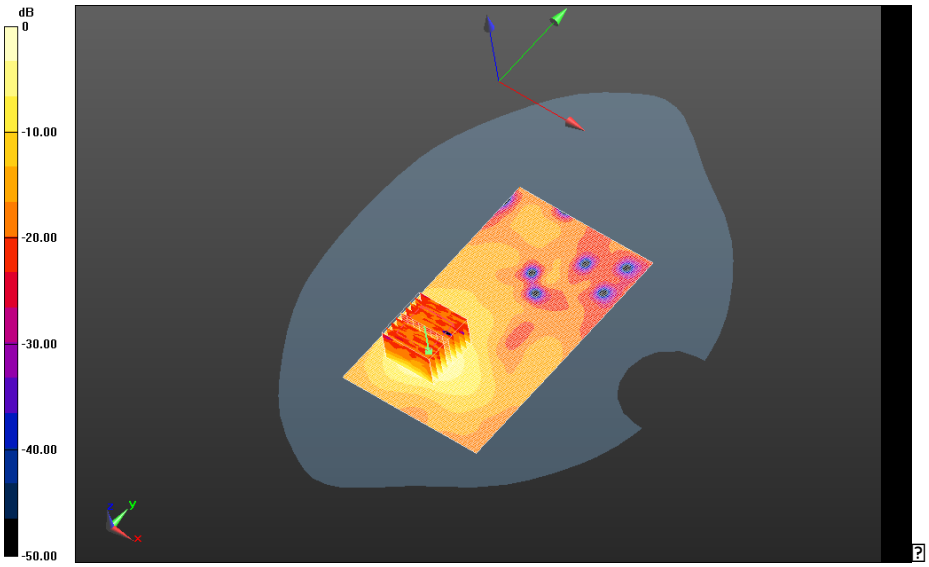
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (4.02,4.02,4.02); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm_ chan36_Amb_Temp_23.9C_Liquid_Temp_21.5C/Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.571 W/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm_ chan36_Amb_Temp_23.9C_Liquid_Temp_21.5C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 8.052 V/m; **Power Drift = 0.043 dB**

Averaged SAR: SAR(1g) = 0.309 W/kg; SAR(10g) = 0.116 W/kg
Maximum value of SAR (interpolated) = 1.06 W/kg

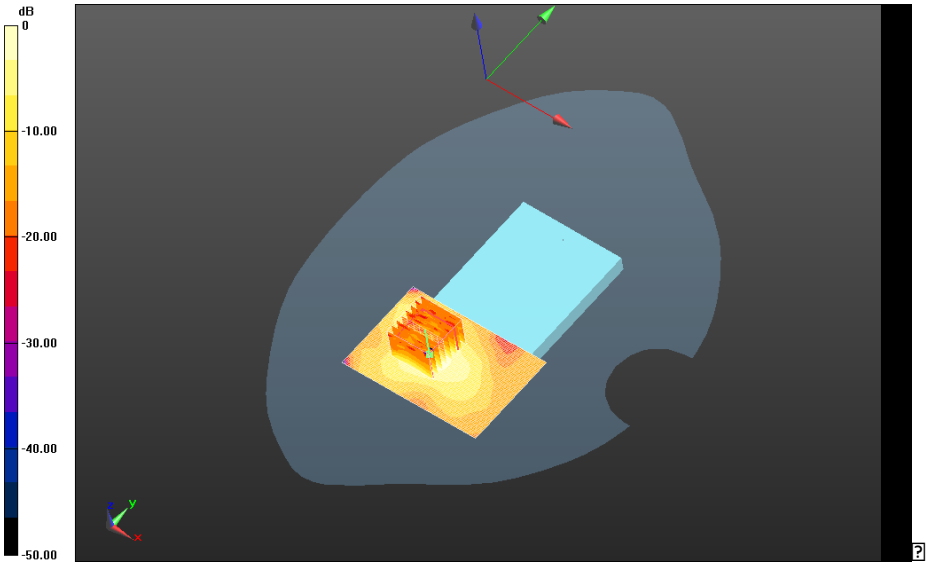


0 dB = 0.554 W/kg = -2.56 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm_chan64_Amb_Temp_23.9C_Liquid_Temp_21.5C/Area Scan (91x61x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.417 W/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm_chan64_Amb_Temp_23.9C_Liquid_Temp_21.5C/Zoom Scan (36x36x61)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 6.533 V/m; **Power Drift = 0.170 dB**

Averaged SAR: SAR(1g) = 0.228 W/kg; SAR(10g) = 0.0827 W/kg
Maximum value of SAR (interpolated) = 0.766 W/kg

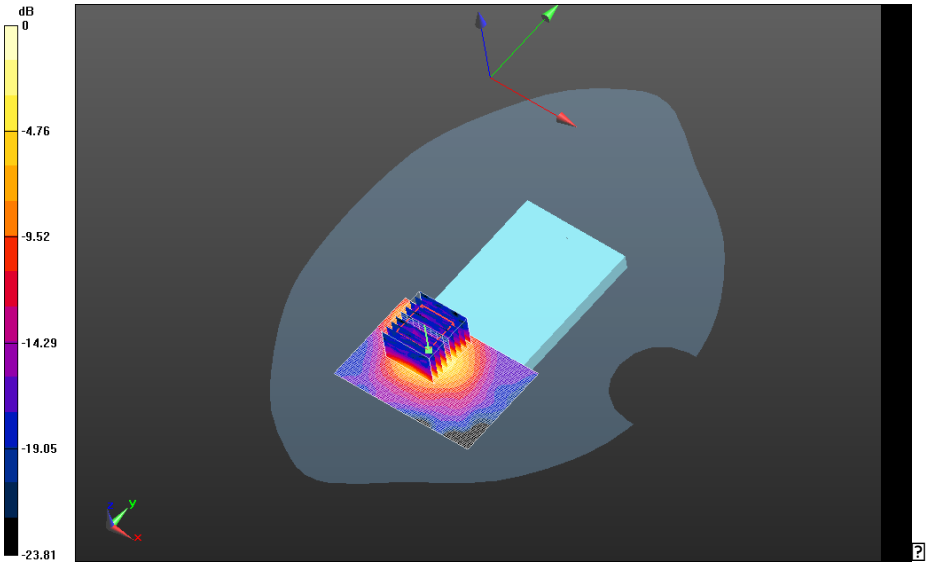


0 dB = 0.554 W/kg = -2.56 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm+HS_ chan36_Amb_Temp_23.5C_Liquid_Temp_21.4C/Area Scan (91x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.538 W/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back_15mm+HS_ chan36_Amb_Temp_23.5C_Liquid_Temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 8.418 V/m; **Power Drift = -0.135 dB**

Averaged SAR: SAR(1g) = 0.305 W/kg; SAR(10g) = 0.117 W/kg
Maximum value of SAR (interpolated) = 0.899 W/kg

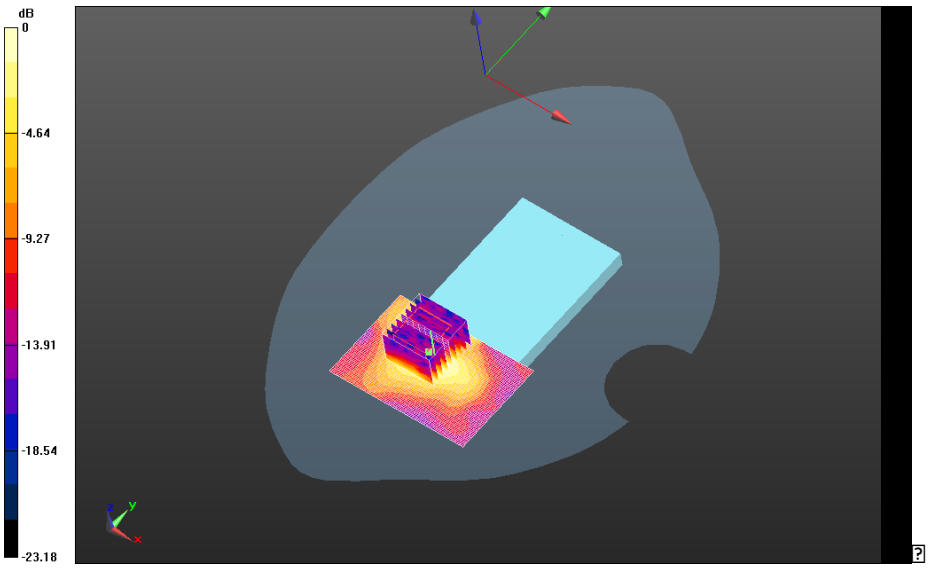


0 dB = 0.408 W/kg = -3.89 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/Holster_Device_Back_ chan36_Amb_Temp_23.5C_Liquid_Temp_21.4C/Area Scan (91x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.191 W/kg

Body Worn MSL - 802.11a 5200 MHz/Holster_Device_Back_ chan36_Amb_Temp_23.5C_Liquid_Temp_21.4C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.756 V/m; **Power Drift = -0.167 dB**

Averaged SAR: SAR(1g) = 0.0991 W/kg; SAR(10g) = 0.0438 W/kg
Maximum value of SAR (interpolated) = 0.278 W/kg

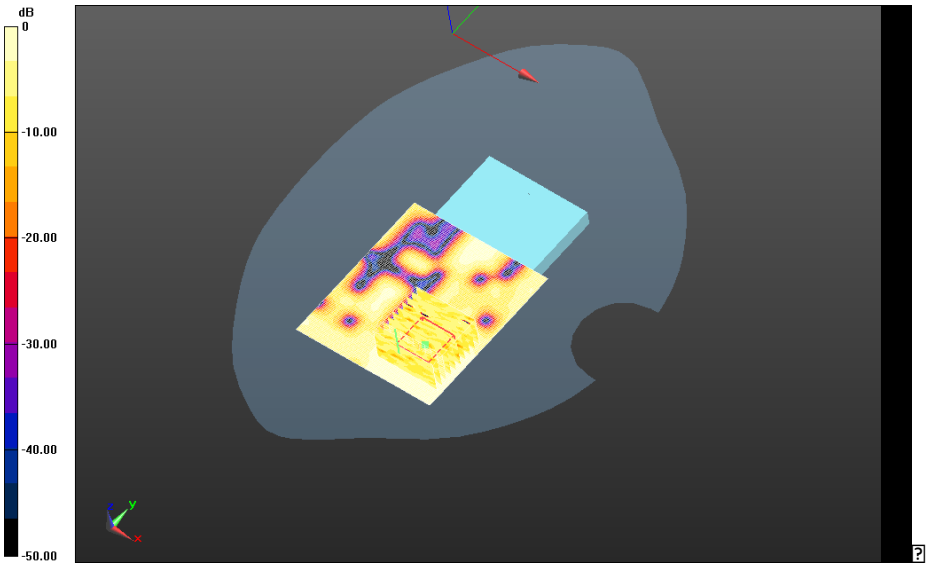


0 dB = 0.529 W/kg = -2.77 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/Holster_Device_Front_ chan36_Amb_Temp_23.3C_Liquid_Temp_21.2C/Area Scan (91x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0271 W/kg

Body Worn MSL - 802.11a 5200 MHz/Holster_Device_Front_ chan36_Amb_Temp_23.3C_Liquid_Temp_21.2C/Zoom Scan (51x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 1.004 V/m; **Power Drift = -0.022 dB**

Averaged SAR: SAR(1g) = 0.0115 W/kg; SAR(10g) = 0.00689 W/kg
Maximum value of SAR (interpolated) = 0.0788 W/kg
Field decay constant of 1.9 mm.

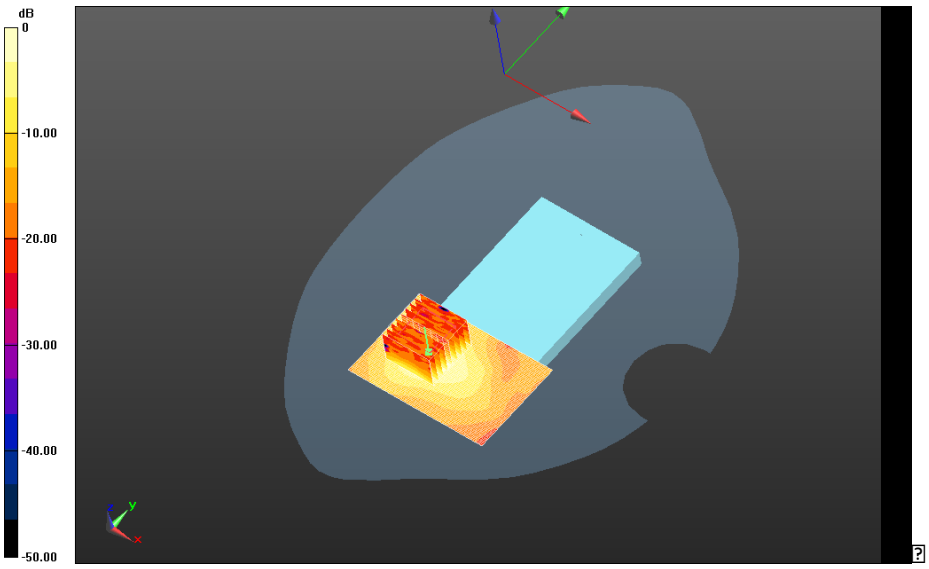


0 dB = 0.170 W/kg = -7.70 dBW/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back+2100mA_15mm_ chan36_Amb_Temp_23.4C_Liquid_Temp_21.6C/Area Scan (91x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.583 W/kg

Body Worn MSL - 802.11a 5200 MHz/Device Back+2100mA_15mm_ chan36_Amb_Temp_23.4C_Liquid_Temp_21.6C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 8.146 V/m; **Power Drift = -0.190 dB**

Averaged SAR: SAR(1g) = 0.306 W/kg; SAR(10g) = 0.115 W/kg
Maximum value of SAR (interpolated) = 1.04 W/kg



0 dB = 0.0209 W/kg = -16.80 dBW/kg

Date: 2/27/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2AB01FAD

Configuration: Body Worn MSL - 802.11a 5500 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5520 MHz
Medium Parameters used: f=5520 MHz; σ = 5.671 S/m; ε_r = 47.884; ρ = 1.000 g/cm^3
Phantom section: Flat Section

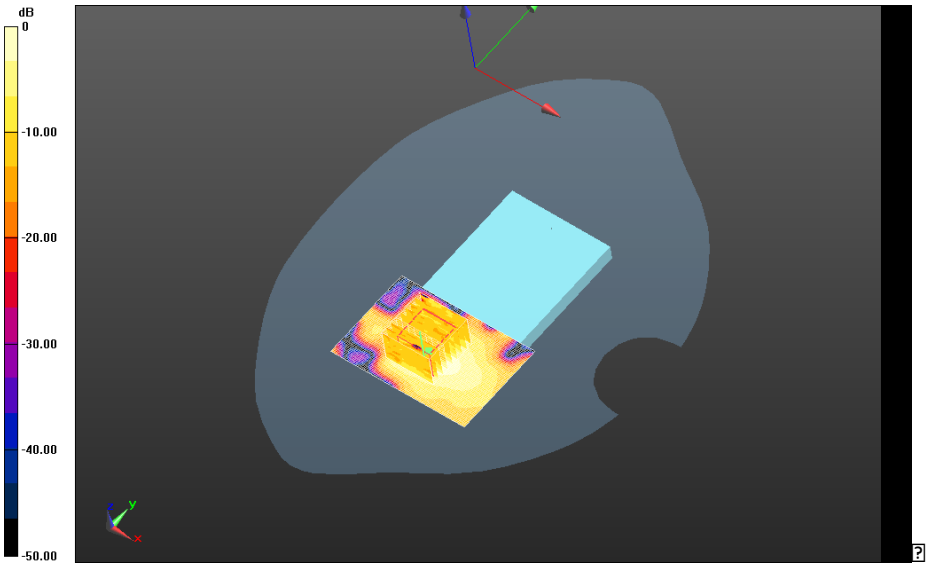
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (3.66,3.66,3.66); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Body Worn MSL - 802.11a 5500 MHz/Device Back_15mm_chan104_Amb_Temp_23.3C_Liquid_Temp_21.5C/Area Scan (91x61x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.121 W/kg

Body Worn MSL - 802.11a 5500 MHz/Device Back_15mm_chan104_Amb_Temp_23.3C_Liquid_Temp_21.5C/Zoom Scan (41x41x61)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.592 V/m; **Power Drift = -0.151 dB**

Averaged SAR: SAR(1g) = 0.0549 W/kg; SAR(10g) = 0.0216 W/kg
Maximum value of SAR (interpolated) = 0.176 W/kg



0 dB = 0.0972 W/kg = -10.12 dBW/kg

Date: 2/26/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample , Serial: 2AB01FAD

Configuration: Body Worn MSL - 802.11a 5800 MHz

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5825 MHz
Medium Parameters used: f=5825 MHz; σ = 5.867 S/m; ε_r = 45.794; ρ = 1.000 g/cm^3
Phantom section: Flat Section

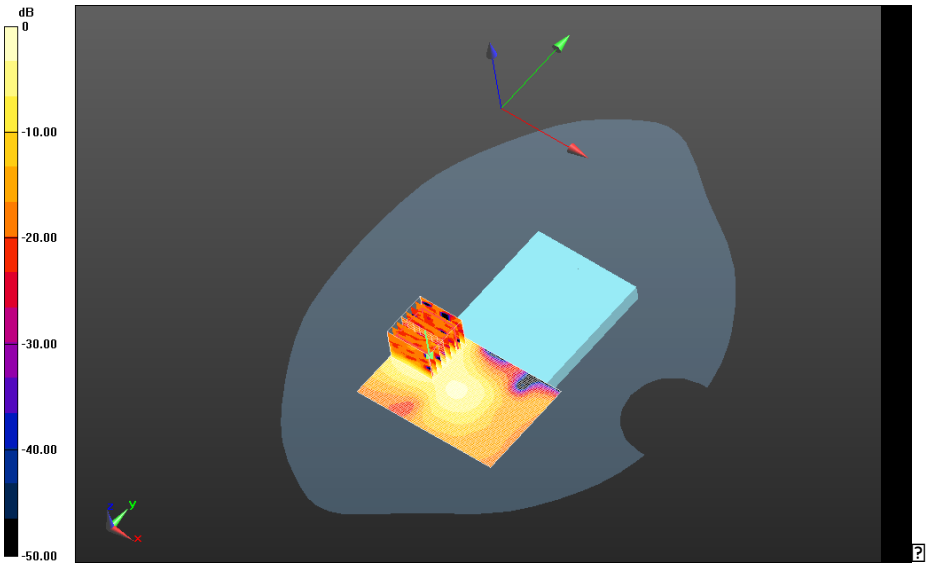
DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF: (3.57,3.57,3.57); Calibrated: 11/14/2012;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.4(1052); SEMCAD X Version 14.6.8 (7028)

Body Worn MSL - 802.11a 5800 MHz/Device Back_15mm_chan165_Amb_Temp_23.3C_Liquid_Temp_21.5C/Area Scan (91x61x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.493 W/kg

Body Worn MSL - 802.11a 5800 MHz/Device Back_15mm_chan165_Amb_Temp_23.3C_Liquid_Temp_21.5C/Zoom Scan (36x36x61)/Cube 0:
Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 10.447 V/m; **Power Drift = -0.118 dB**

Averaged SAR: SAR(1g) = 0.248 W/kg; SAR(10g) = 0.0863 W/kg
Maximum value of SAR (interpolated) = 1.02 W/kg

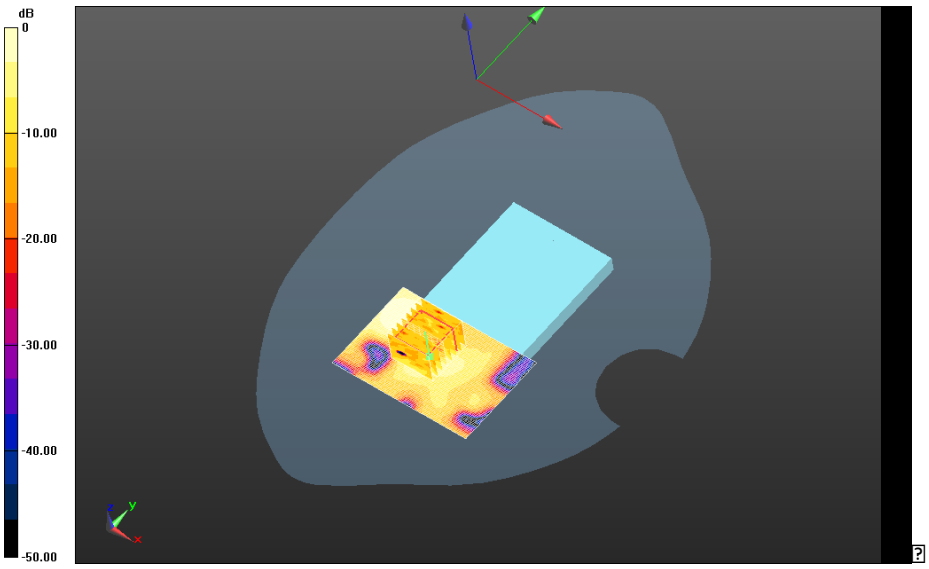


0 dB = 0.474 W/kg = -3.24 dBW/kg

Body Worn MSL - 802.11a 5800 MHz/Device Back_15mm_headset_chan165_Amb_Temp_24.3C_Liquid_Temp_21.8/Area Scan (91x61x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.109 W/kg

Body Worn MSL - 802.11a 5800 MHz/Device Back_15mm_headset_chan165_Amb_Temp_24.3C_Liquid_Temp_21.8/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.513 V/m; **Power Drift = 0.169 dB**

Averaged SAR: SAR(1g) = 0.0540 W/kg; SAR(10g) = 0.0203 W/kg
Maximum value of SAR (interpolated) = 0.194 W/kg



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

Z axis plot for the worst case body configuration