APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 7/28/2010 9:30:21 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_22.5C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

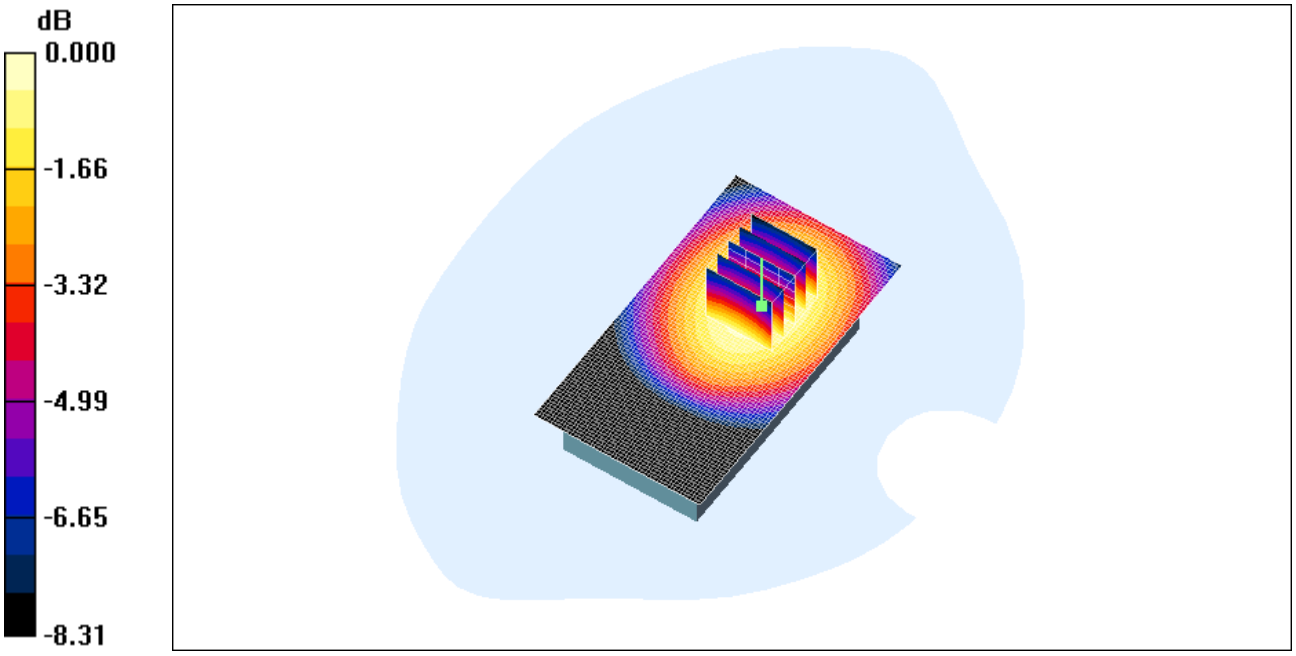
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.700 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.8 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.831 W/kg
SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.492 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.696 mW/g



0 dB = 0.696mW/g

Date/Time: 7/28/2010 9:44:47 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS850_mid_chan_amb_temp_22.6C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

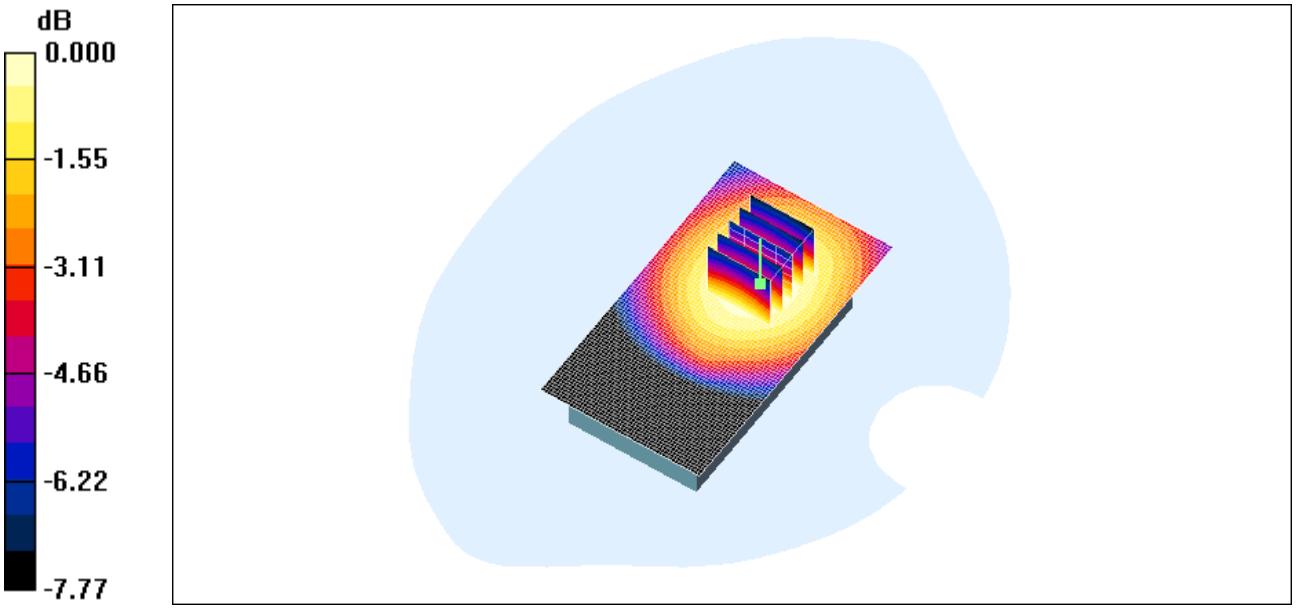
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.357 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.260 mW/g

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



0 dB = 0.359mW/g

Date/Time: 7/28/2010 9:59:18 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#1_GPRS850_mid_chan_amb_temp_22.4C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

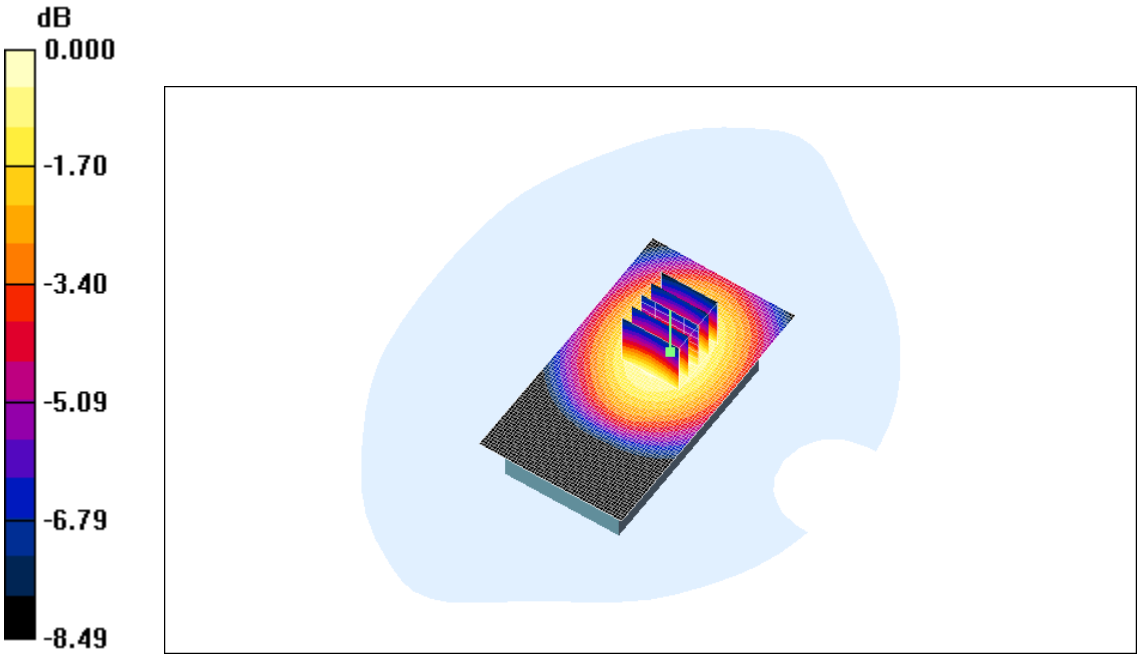
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.603 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.3 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.427 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.610 mW/g



0 dB = 0.610mW/g

Date/Time: 7/28/2010 10:13:25 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#2_GPRS850_mid_chan_amb_temp_22.5C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

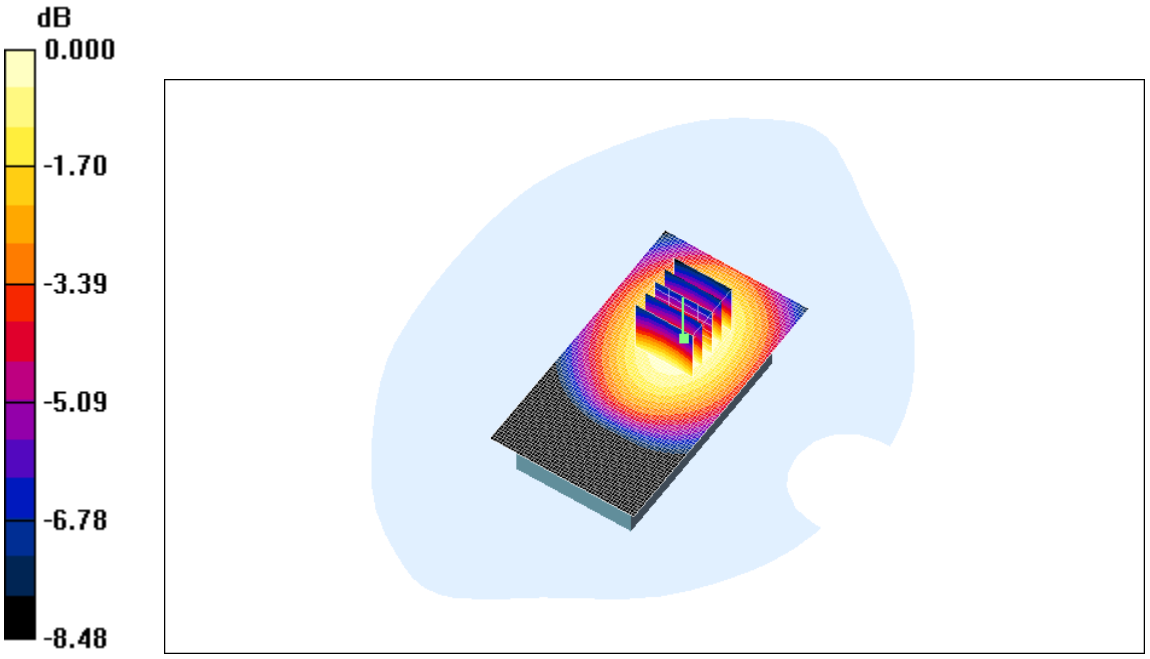
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.481 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.329 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.464 mW/g



0 dB = 0.464mW/g

Date/Time: 7/28/2010 10:28:48 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#3_GPRS850_mid_chan_amb_temp_22.5C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

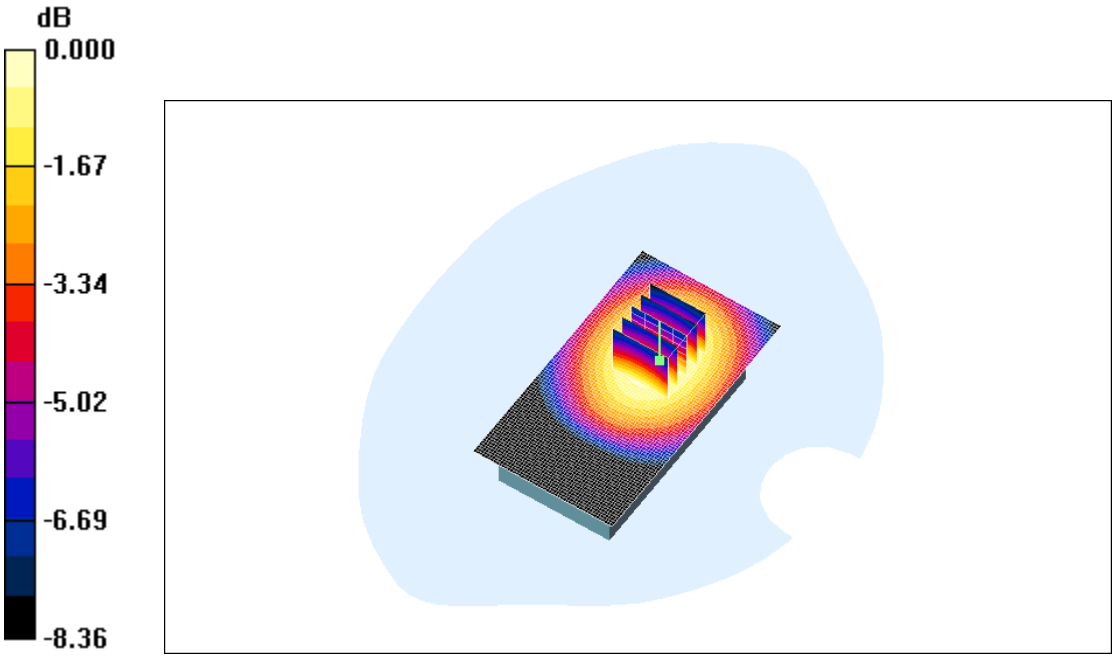
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.587 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.0 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.416 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.589 mW/g



0 dB = 0.589mW/g

Date/Time: 7/28/2010 10:45:14 AM

Test Laboratory: RIM Testing Services

25mm_Spacer_GPRS850_mid_chan_amb_temp_22.7C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.975 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

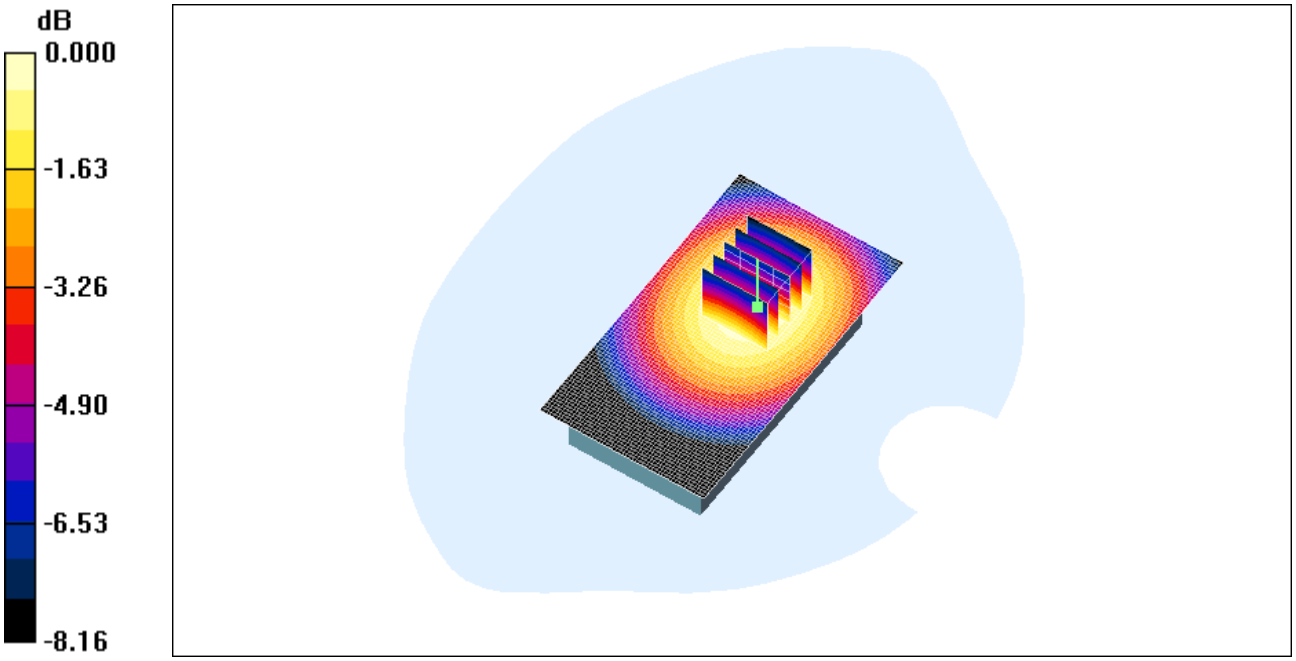
- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.302 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 0.367 W/kg
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.212 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302mW/g

Date/Time: 7/20/2010 5:12:51 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

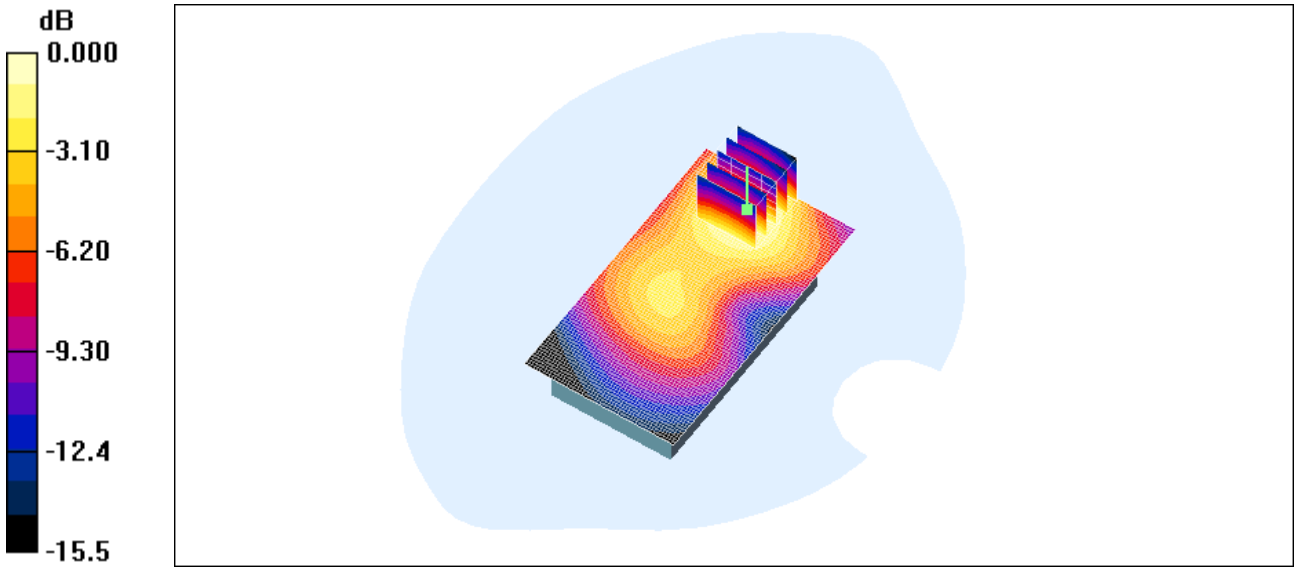
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.330 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.96 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.443 W/kg
SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.321 mW/g



0 dB = 0.321mW/g

Date/Time: 7/20/2010 5:29:58 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS1900_mid_chan_amb_temp_22.7C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

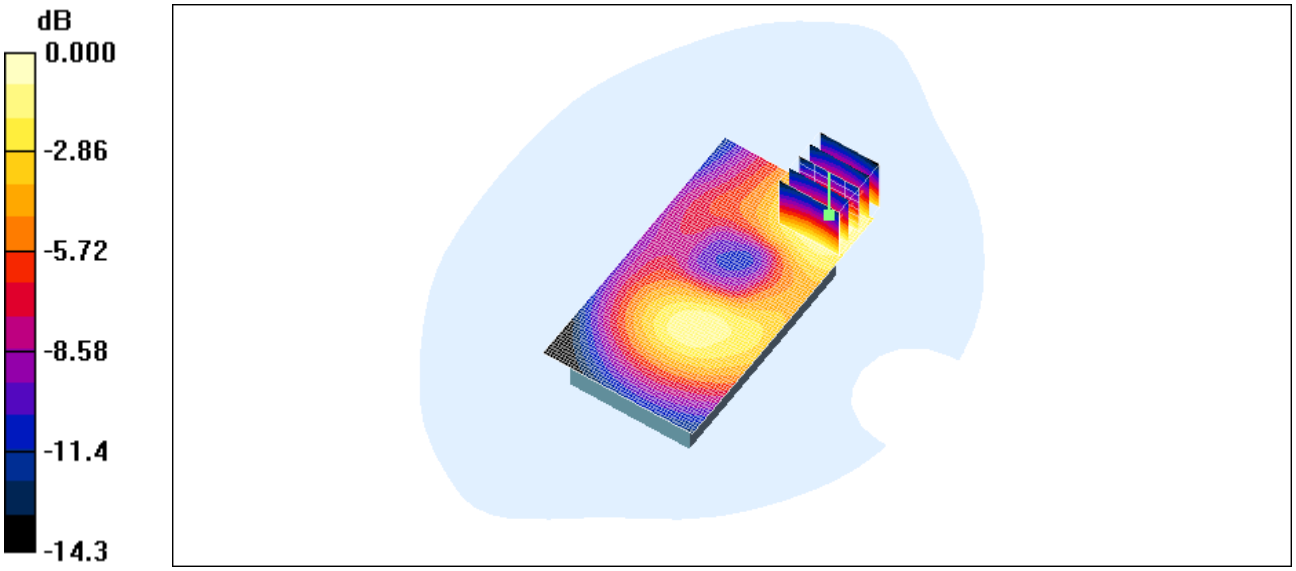
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.213 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.08 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.120 mW/g
Maximum value of SAR (measured) = 0.213 mW/g



0 dB = 0.213mW/g

Date/Time: 7/20/2010 5:45:29 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#1_GPRS1900_mid_chan_amb_temp_22.4C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

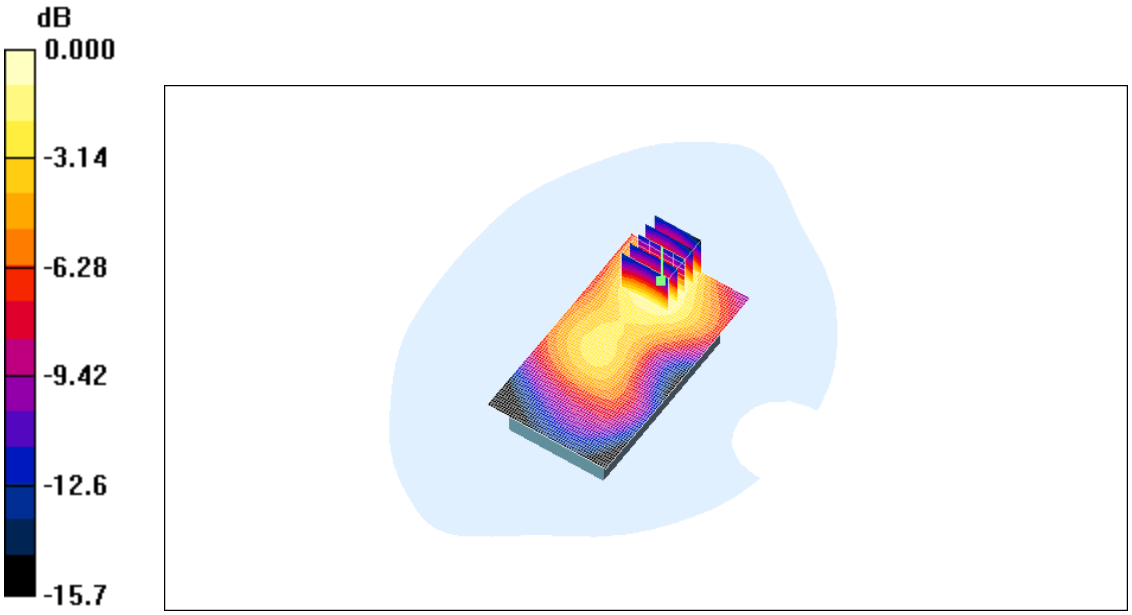
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.61 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.299 mW/g



0 dB = 0.299mW/g

Date/Time: 7/20/2010 5:59:58 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#2_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

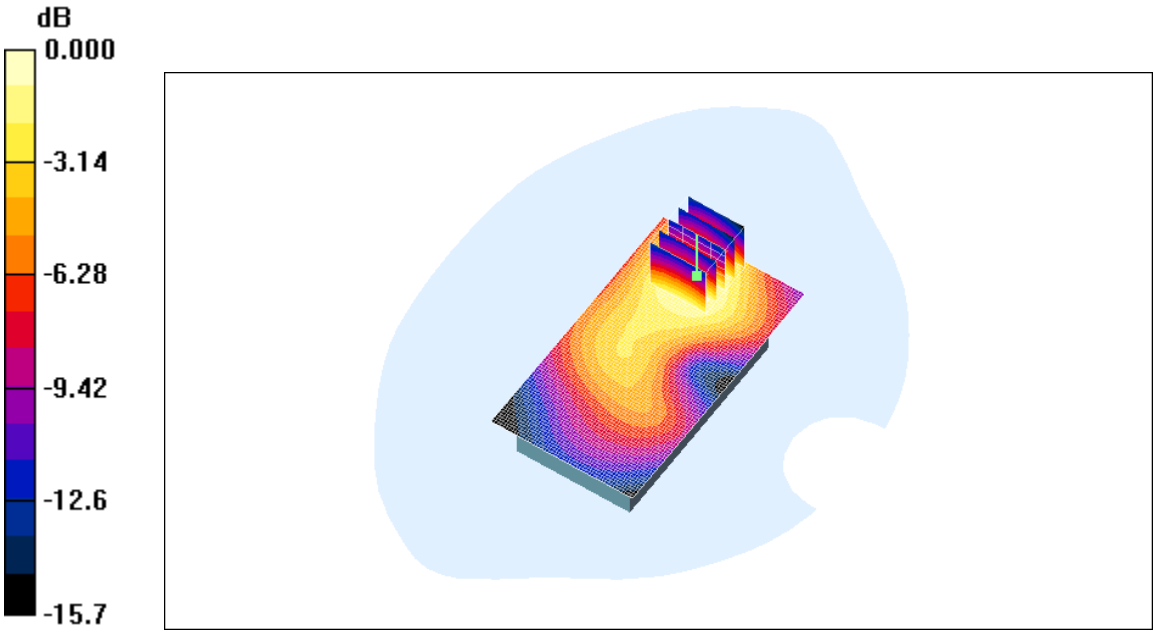
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.96 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.417 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.300 mW/g



0 dB = 0.300mW/g

Date/Time: 7/20/2010 6:13:53 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#3_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

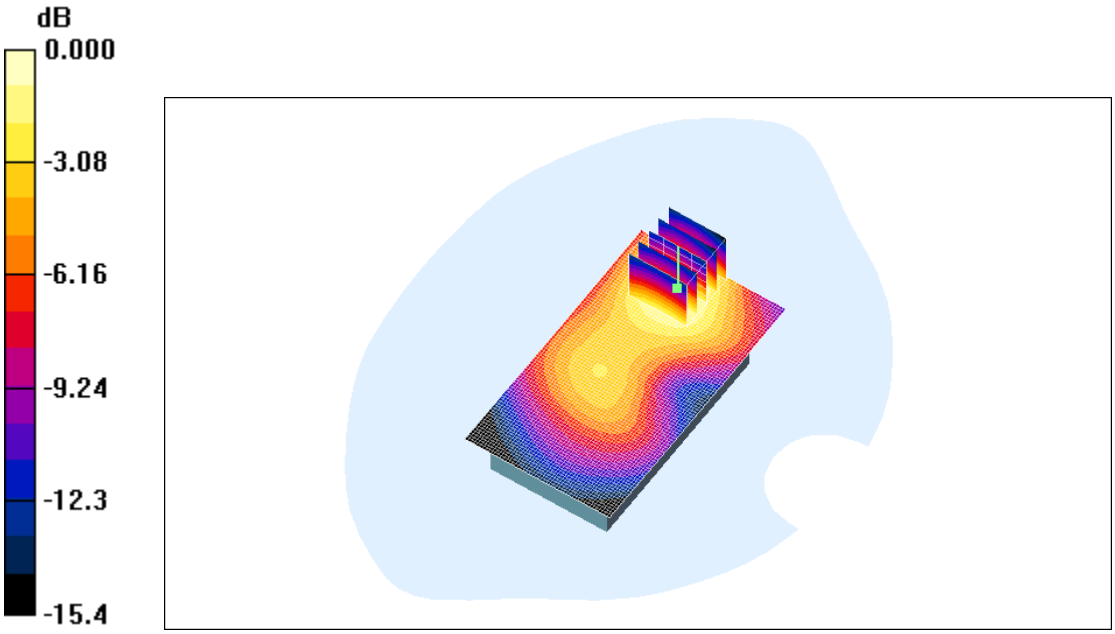
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.308 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.05 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.305 mW/g



0 dB = 0.305mW/g

Date/Time: 7/20/2010 6:28:25 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_22.0 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

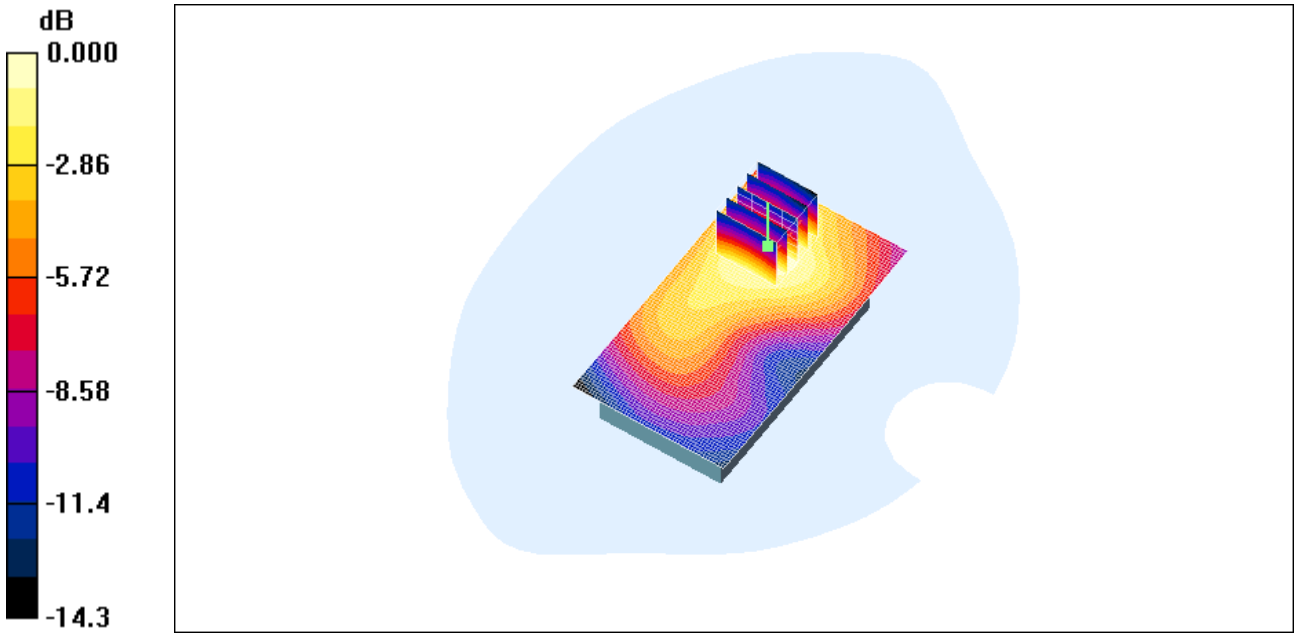
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.183 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.71 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



0 dB = 0.180mW/g

Date/Time: 7/20/2010 7:23:29 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_II_mid_chan_amb_temp_22.3C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

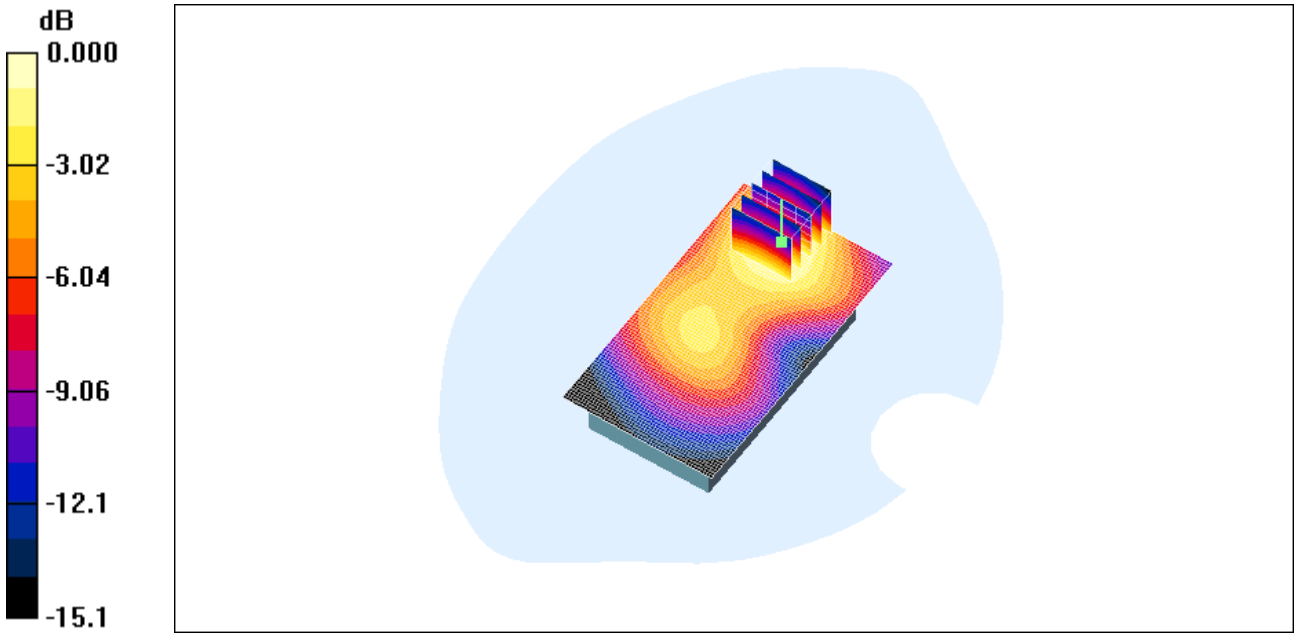
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.540 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.742 W/kg
SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.303 mW/g
Maximum value of SAR (measured) = 0.536 mW/g



0 dB = 0.536mW/g

Date/Time: 7/20/2010 7:39:21 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_band_II_mid_chan_amb_temp_22.4C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

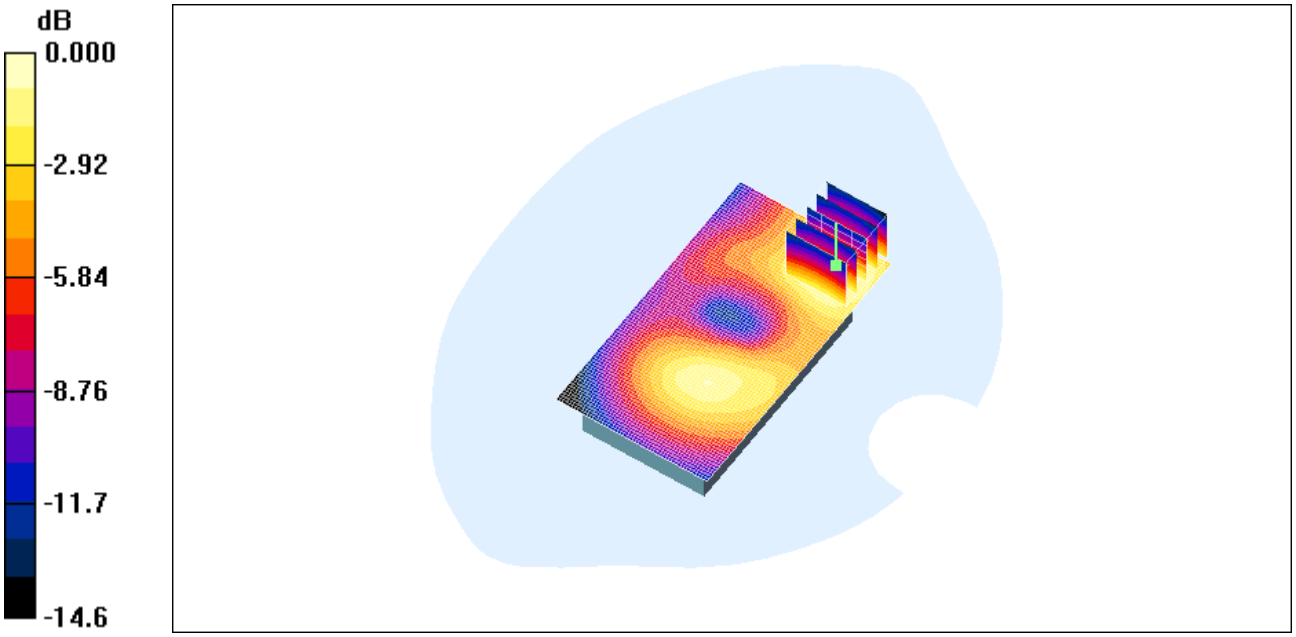
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.340 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.49 V/m; Power Drift = 0.306 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.343 mW/g



0 dB = 0.343mW/g

Date/Time: 7/20/2010 7:53:59 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#1_UMTS_band_II_mid_chan_amb_temp_22.4C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

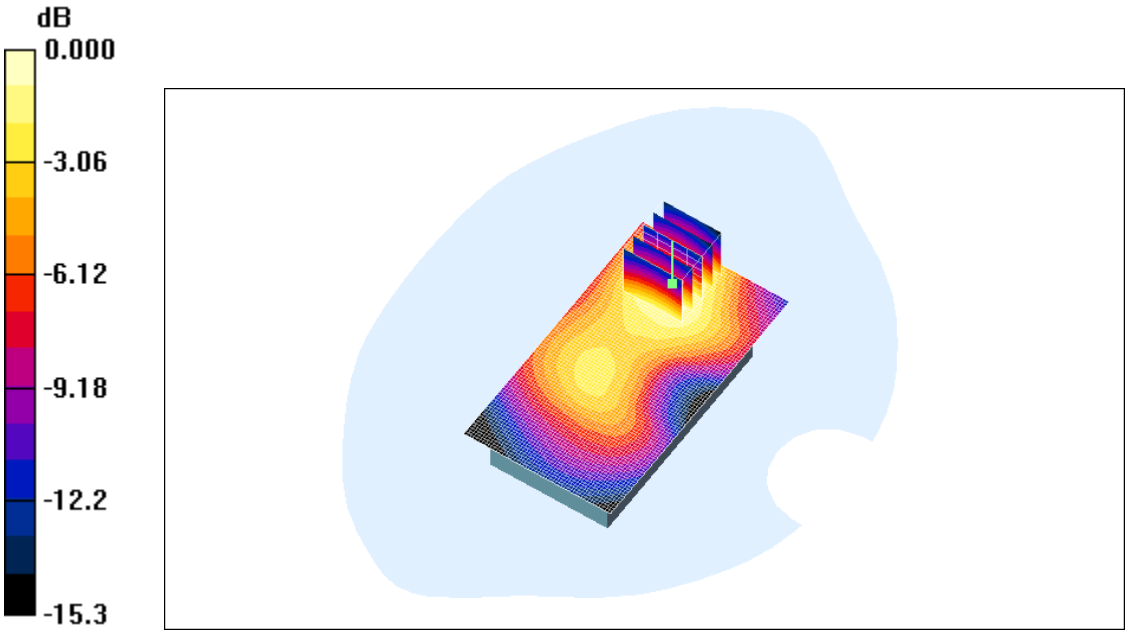
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.518 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.511 mW/g



0 dB = 0.511mW/g

Date/Time: 7/20/2010 8:08:45 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#2_UMTS_band_II_mid_chan_amb_temp_22.5C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

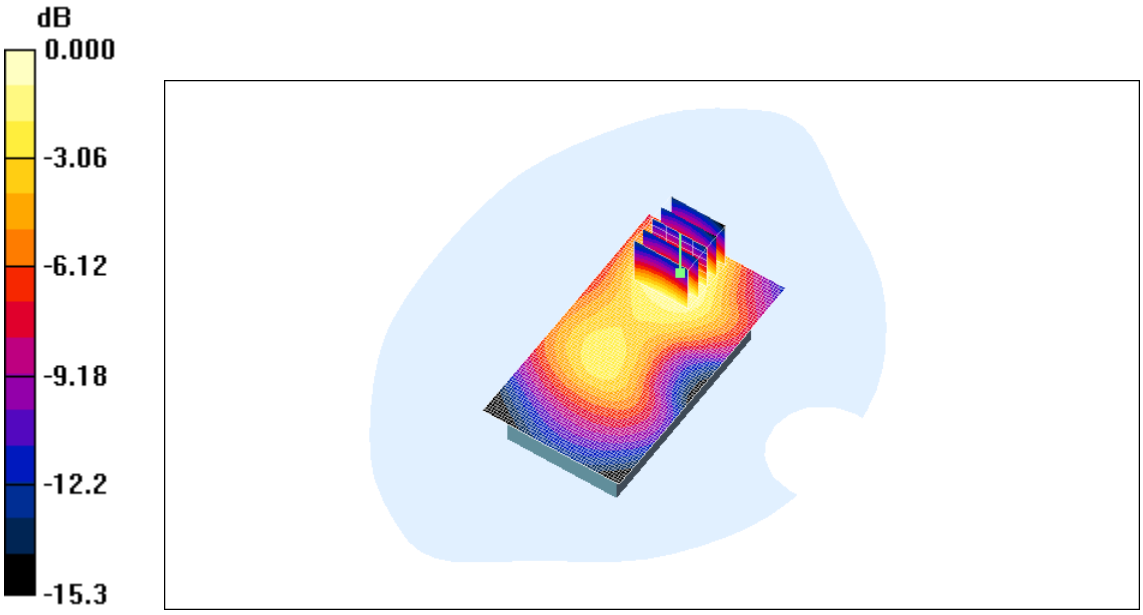
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.513 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 0.504 mW/g



0 dB = 0.504mW/g

Date/Time: 7/20/2010 8:22:48 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_HS#3_UMTS_band_II_mid_chan_amb_temp_22.4C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

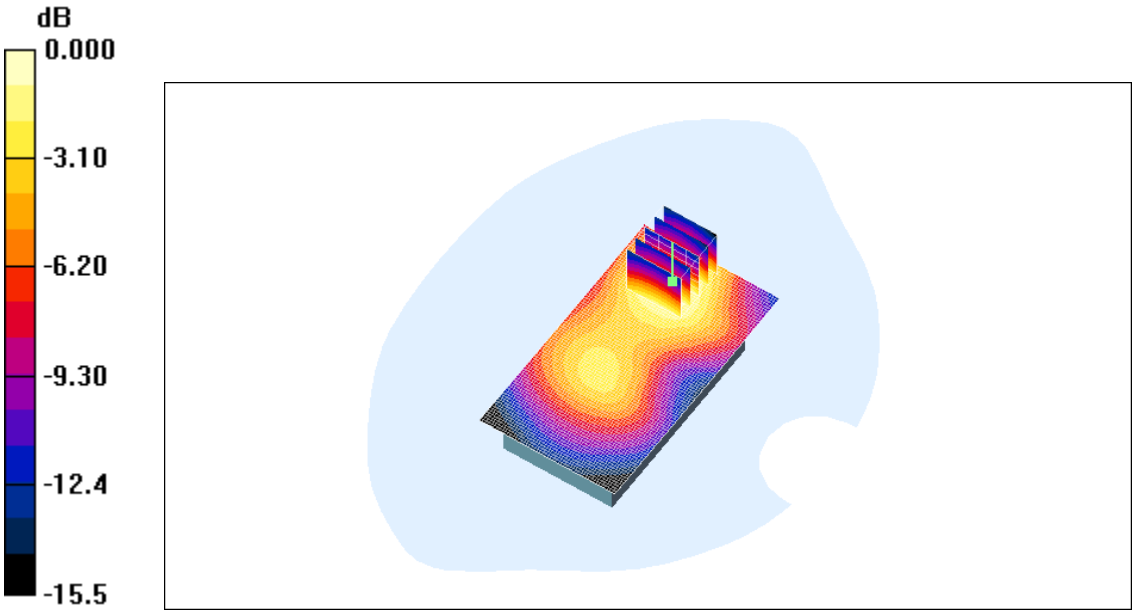
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.531 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 0.522 mW/g



0 dB = 0.522mW/g

Date/Time: 7/20/2010 8:37:13 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_UMTS_band_II_mid_chan_amb_temp_22.4C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

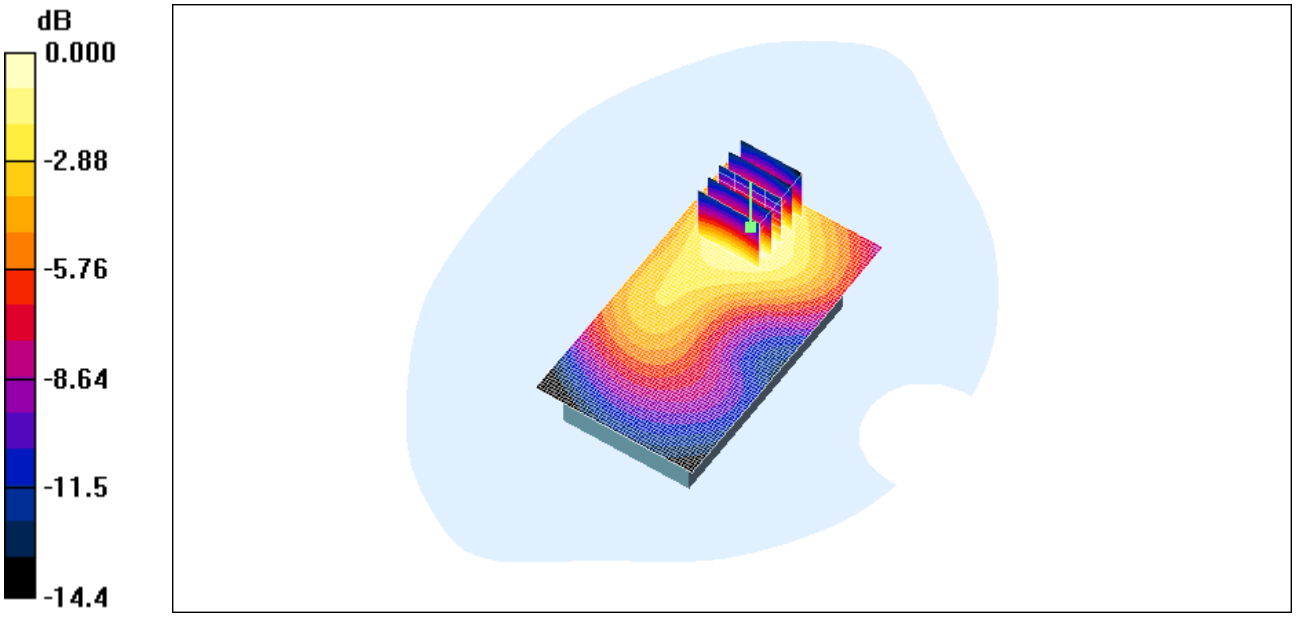
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.93 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.420 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.305 mW/g



0 dB = 0.305mW/g

Date/Time: 8/5/2010 2:01:41 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_mid_chan_amb_temp_22.1C_liq_temp_20.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.96 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

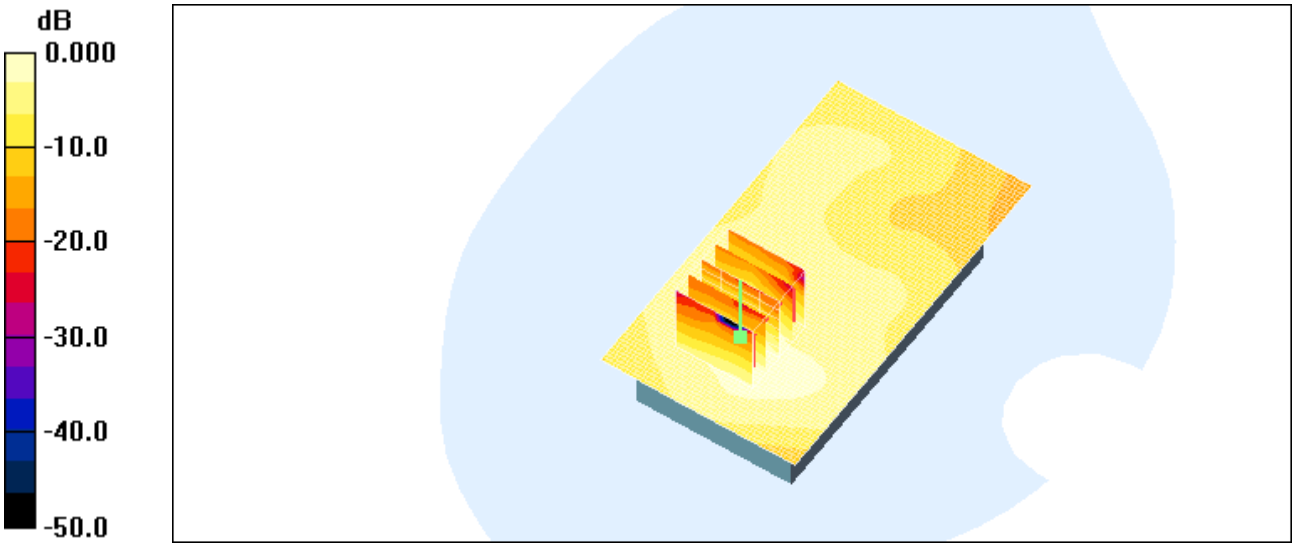
- Probe: ES3DV3 - SN3225; ConvF(4.32, 4.32, 4.32); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.061 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.73 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.031 mW/g

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



0 dB = 0.068mW/g

Date/Time: 8/5/2010 2:23:28 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_802.11b_mid_chan_amb_temp_22.2C_liq_temp_20.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.96 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

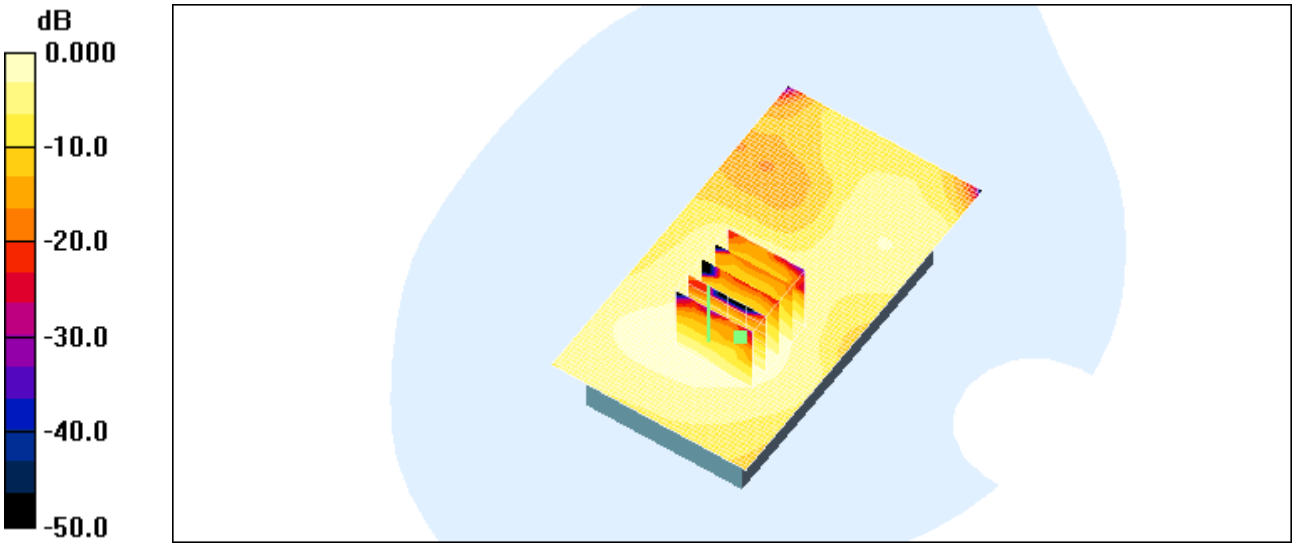
- Probe: ES3DV3 - SN3225; ConvF(4.32, 4.32, 4.32); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.038 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.10 V/m; Power Drift = 0.140 dB
Peak SAR (extrapolated) = 0.064 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.019 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

Date/Time: 8/5/2010 2:40:57 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_802.11b_mid_chan_amb_temp_22.3C_liq_temp_21.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 229CD418

Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.96 mho/m; ε_r = 50.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

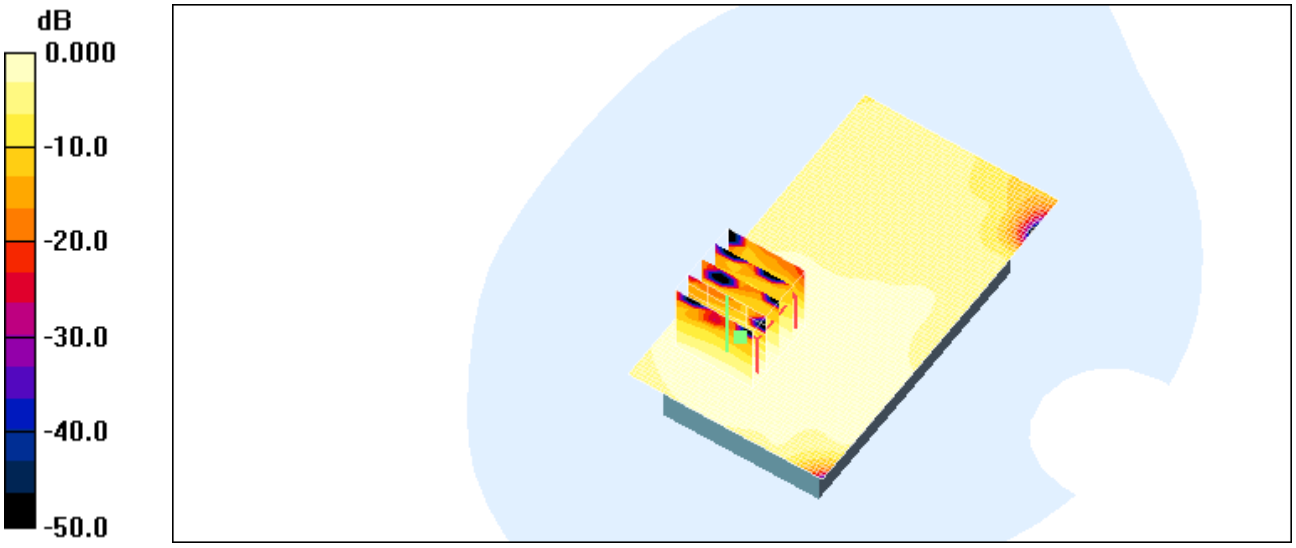
- Probe: ES3DV3 - SN3225; ConvF(4.32, 4.32, 4.32); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.017 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.95 V/m; Power Drift = -0.147 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00927 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.017 mW/g



0 dB = 0.017mW/g

Z axis plot for the worst case body configuration: