APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 17/02/2010 5:31:57 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_GPRS850_low_chan_amb_temp_22.6C_liq_temp_21.4C.da4

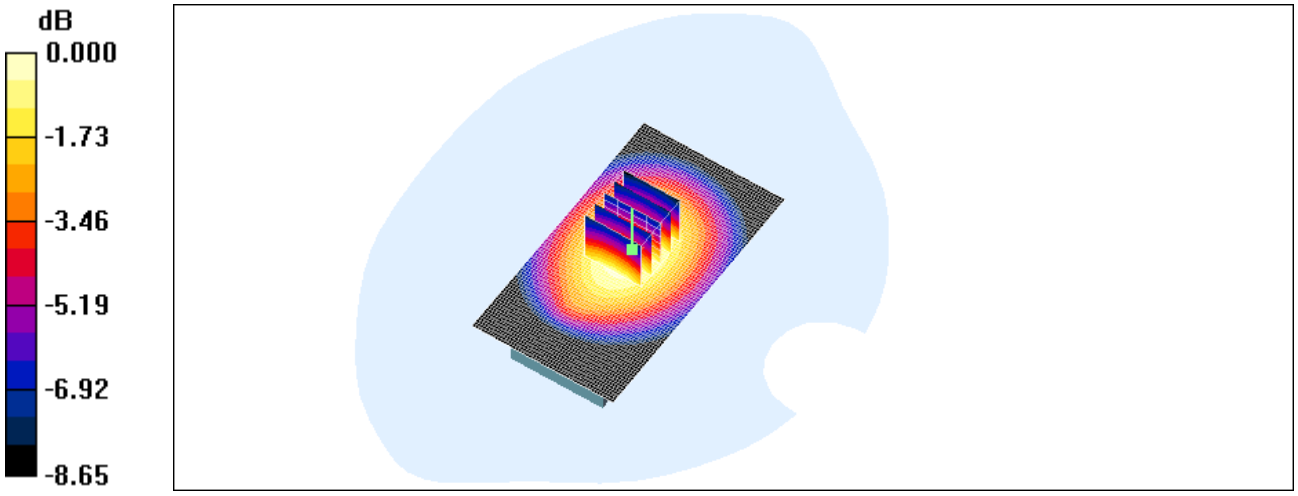
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 824.2 MHz; σ = 0.933 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- 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) = 0.907 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.2 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 0.897 mW/g



0 dB = 0.897mW/g

Date/Time: 17/02/2010 5:48:56 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_22.5C_liq_temp_21.3C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.946 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

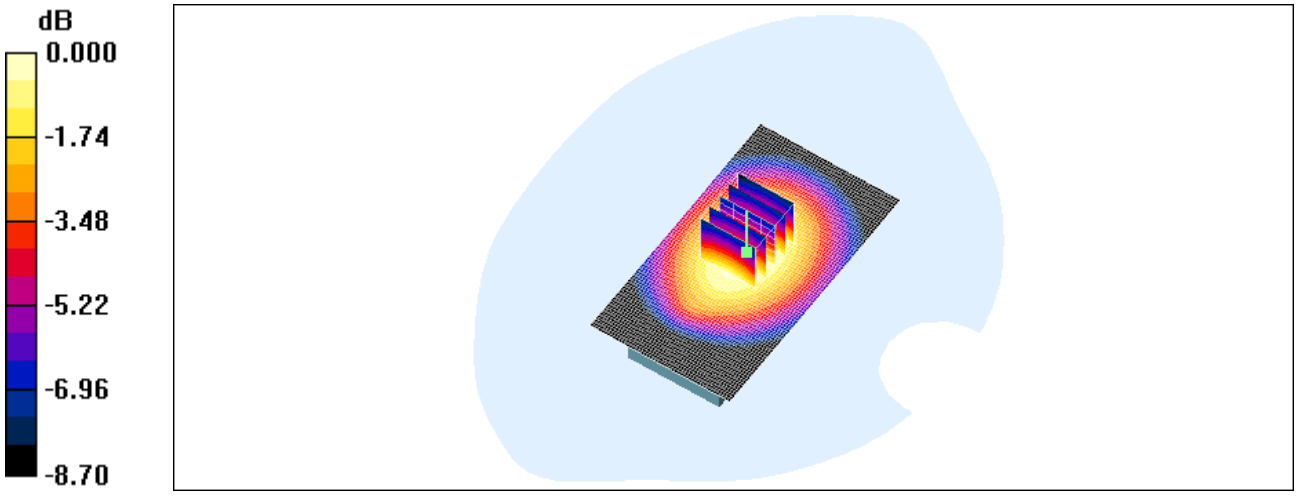
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 1.06 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.6 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.728 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

Date/Time: 17/02/2010 6:07:15 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_GPRS850_high_chan_amb_temp_22.4C_liq_temp_21.2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.958 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

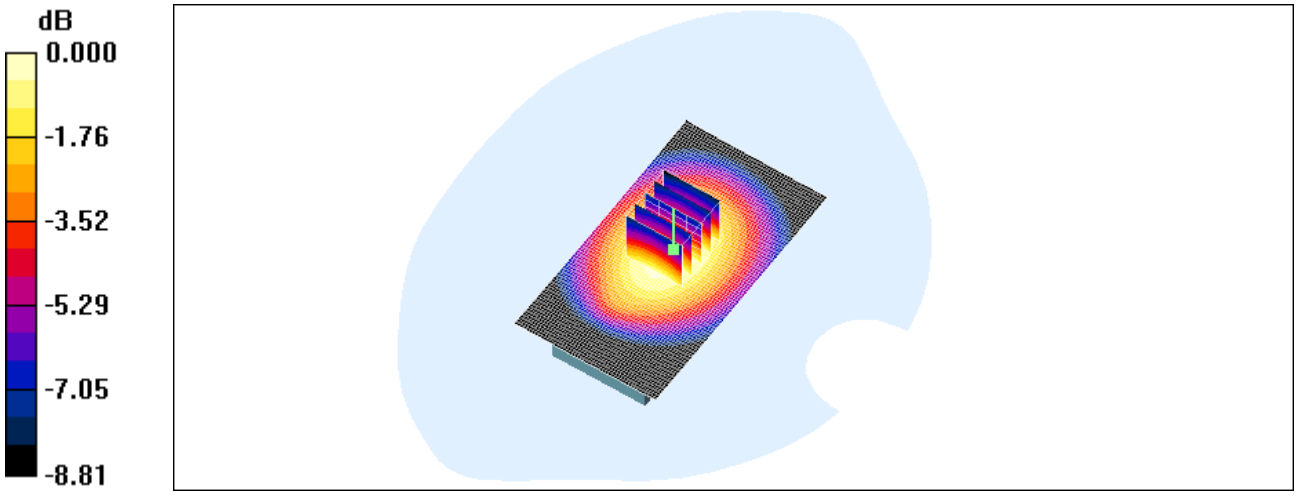
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 1.13 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.9 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.775 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

Date/Time: 17/02/2010 6:43:22 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Front_GPRS850_high_chan_amb_temp_22.4C_liq_temp_21.2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.958 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

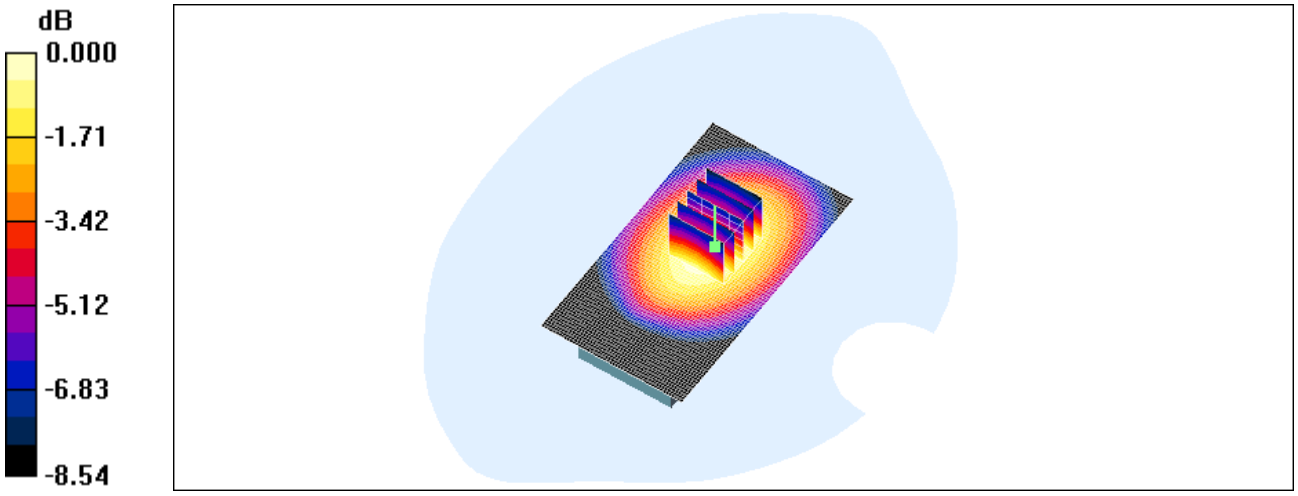
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.889 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.2 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.619 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.887 mW/g



0 dB = 0.887mW/g

Date/Time: 17/02/2010 6:26:11 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_HS#2_Back_GPRS850_high_chan_amb_temp_22.4C_liq_temp_21.2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.958 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

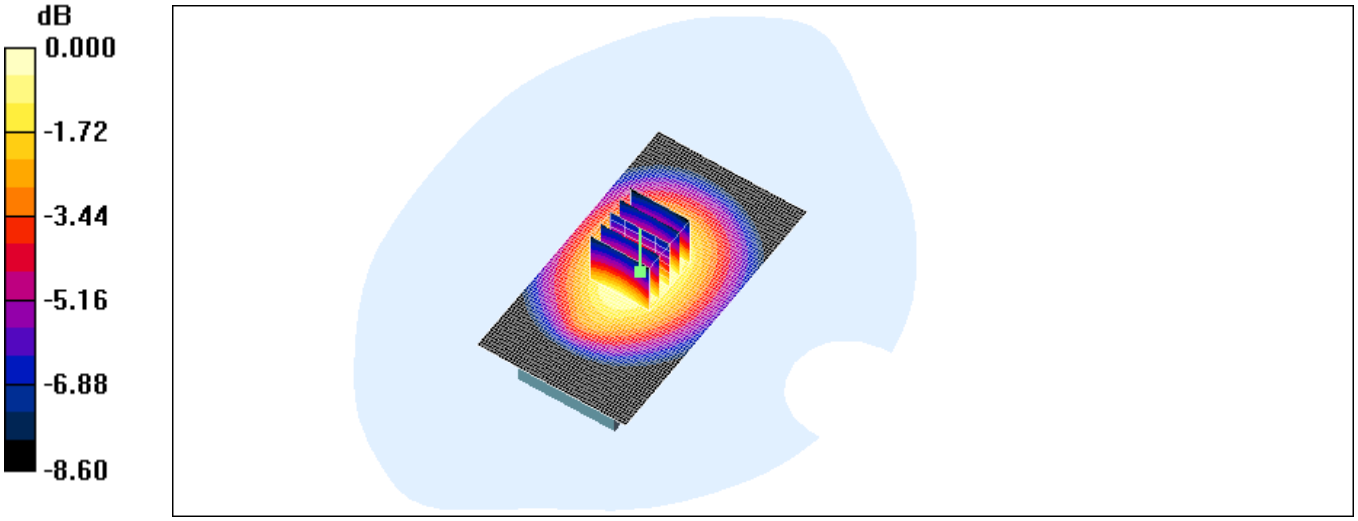
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.885 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.8 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.614 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.896 mW/g



0 dB = 0.896mW/g

Date/Time: 17/02/2010 7:57:41 PM

Test Laboratory: RIM TESTING SERVICES
File Name: 25mm_Spacer_GPRS850_high_chan_amb_temp_22.5C_liq_temp_21.3C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.958 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

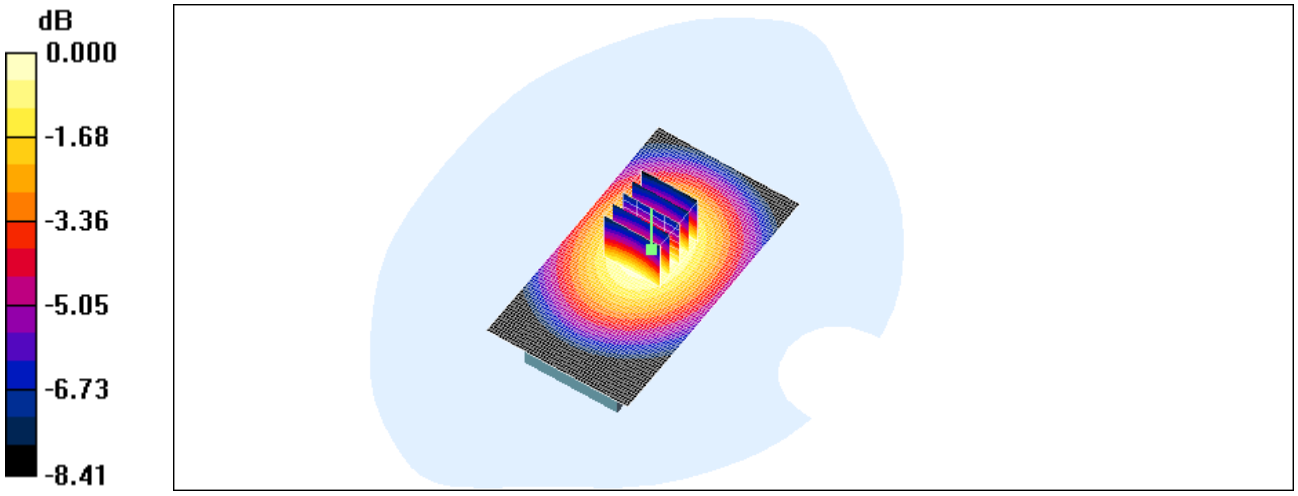
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.668 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.1 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.780 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.465 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.665 mW/g



0 dB = 0.665mW/g

Date/Time: 25/01/2010 9:27:45 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_UMTS_band_V_low_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.954 mho/m; ε_r = 55.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

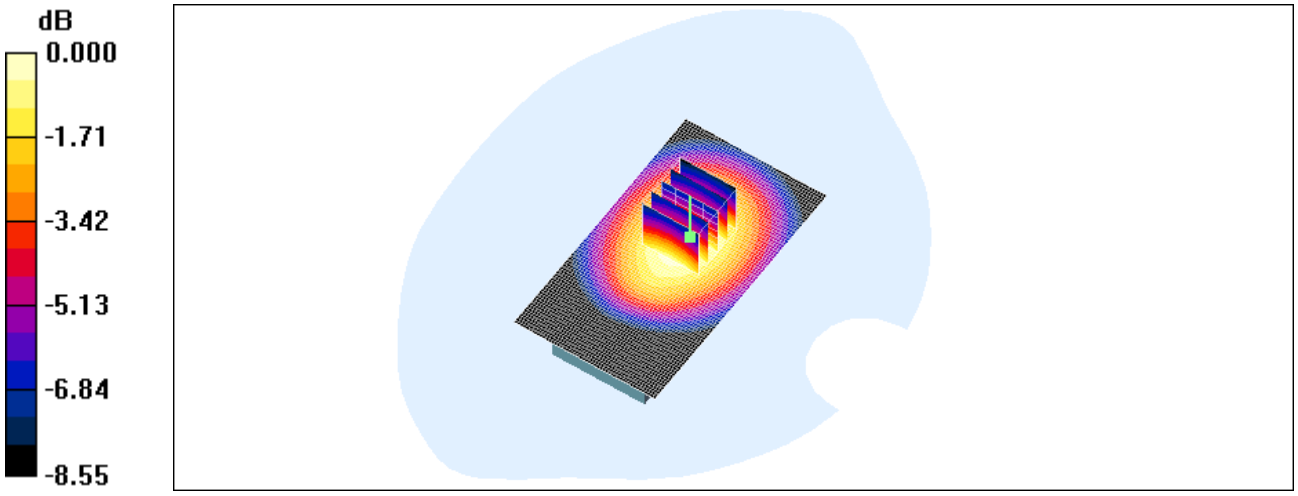
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.883 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.1 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.611 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.879 mW/g



0 dB = 0.879mW/g

Date/Time: 25/01/2010 9:45:44 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

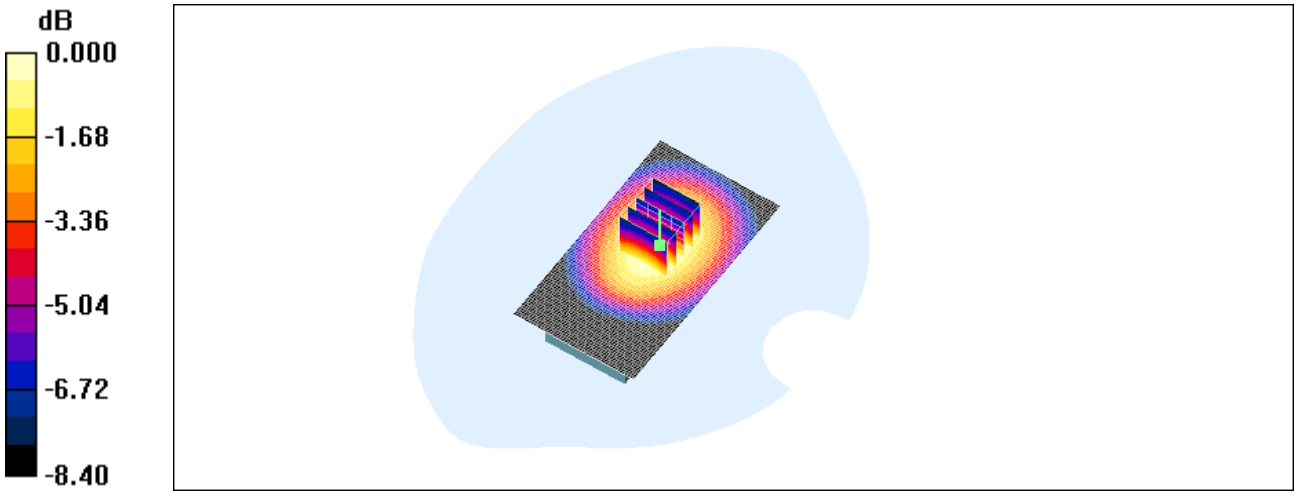
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 1.01 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.699 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00mW/g

Date/Time: 09/02/2010 9:59:00 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_UMTS_band_V_mid_chan_amb_temp_23.2C_liq_temp_21.1C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.96 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

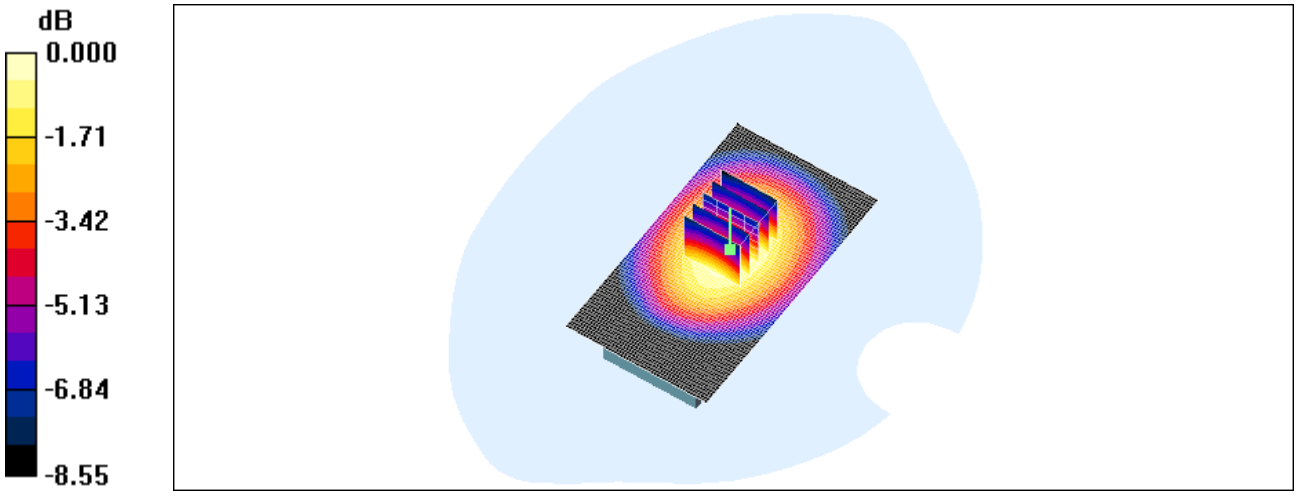
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 1.08 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = -0.070 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.746 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

Date/Time: 25/01/2010 10:01:04 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_UMTS_band_V_high_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.975 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

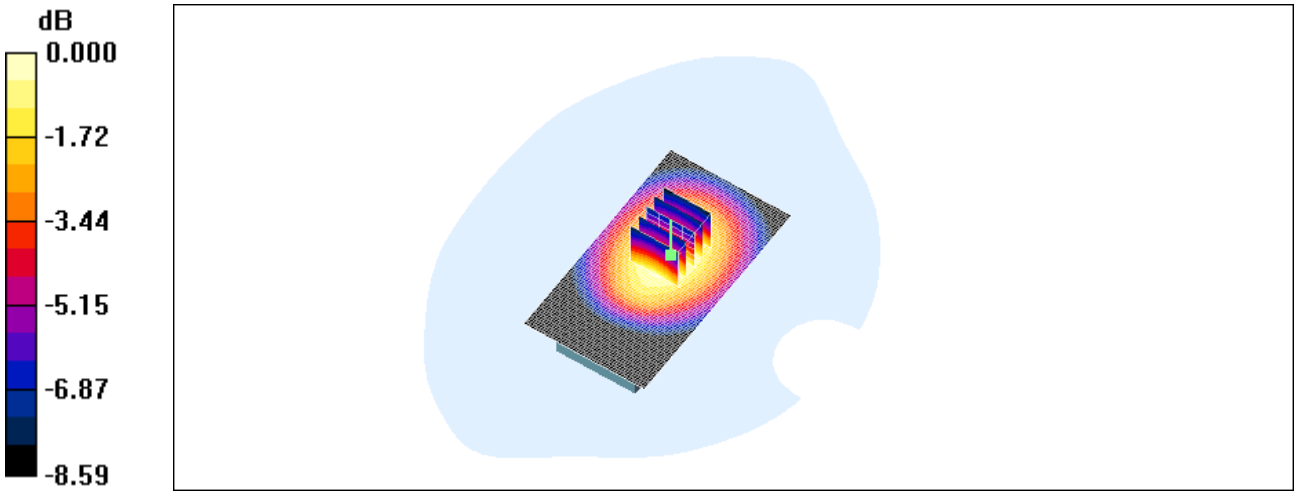
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.928 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.5 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.641 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.931 mW/g



0 dB = 0.931mW/g

Date/Time: 25/01/2010 10:39:20 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_Headset1_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

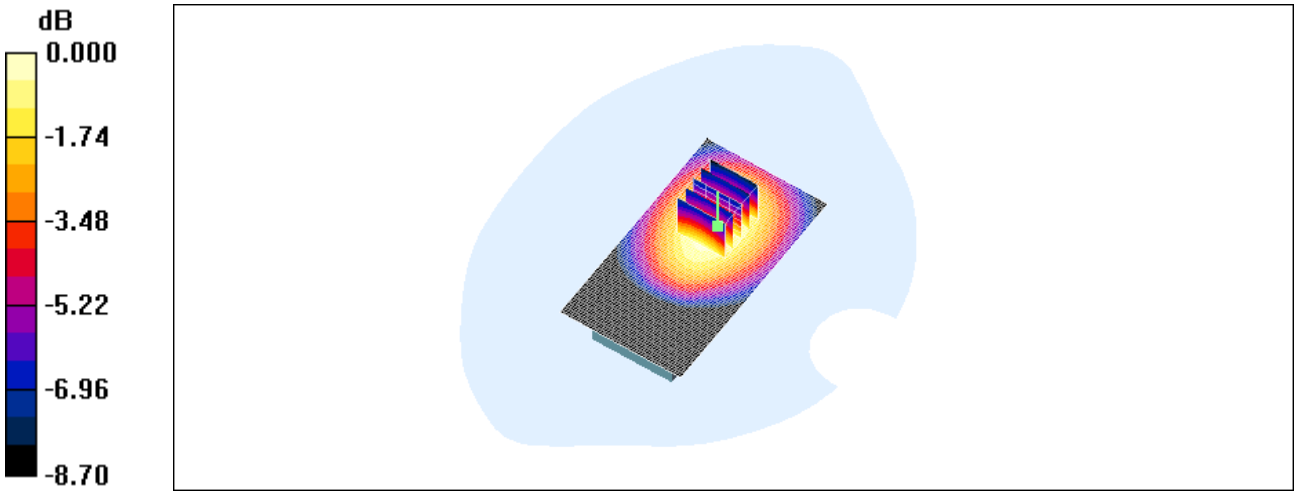
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.678 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.9 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.792 W/kg
SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.469 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.677 mW/g



0 dB = 0.677mW/g

Date/Time: 1/25/2010 10:58:40 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_Headset2_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

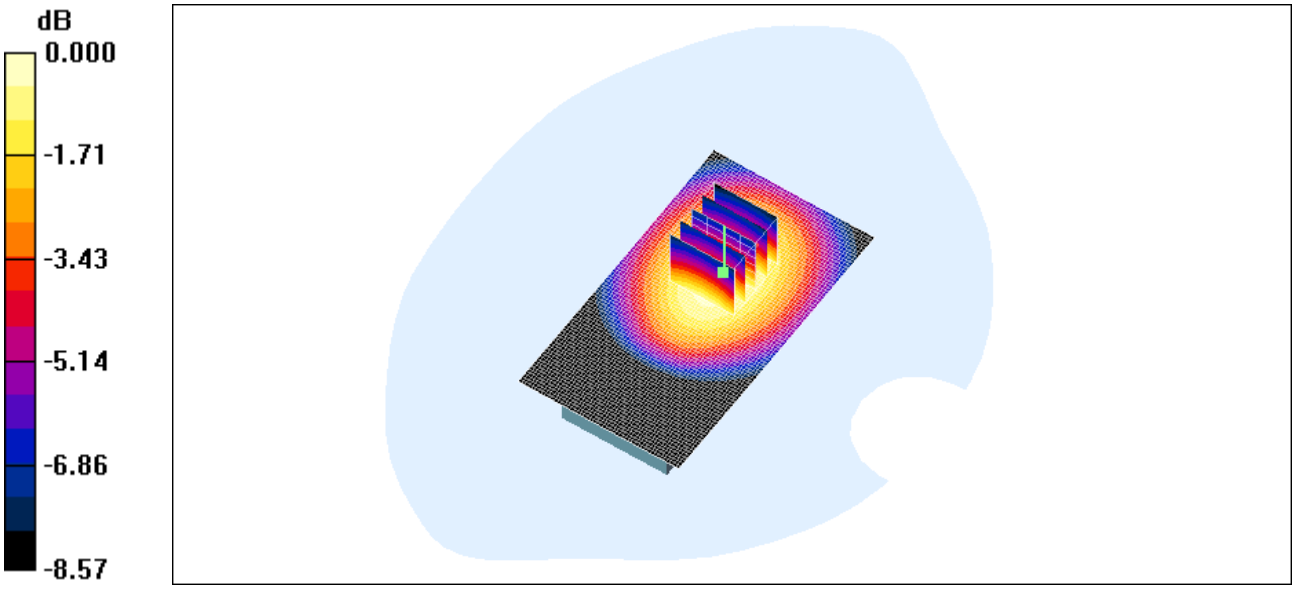
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.871 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.1 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.604 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.868 mW/g



0 dB = 0.868mW/g

Date/Time: 25/01/2010 11:20:56 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_Headset3_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

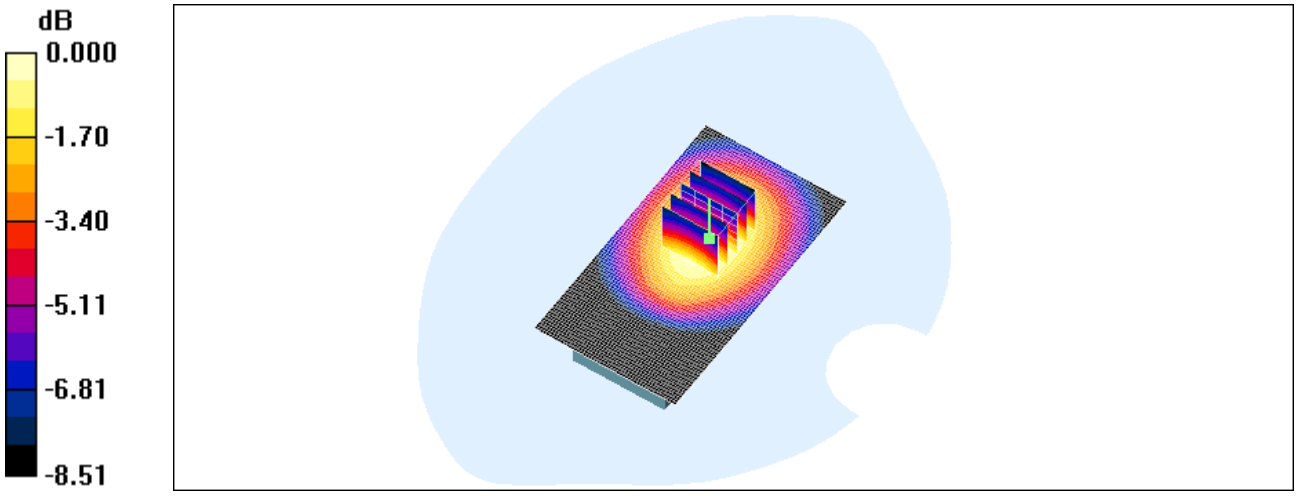
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.896 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.2 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.622 mW/g

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



0 dB = 0.903mW/g

Date/Time: 25/01/2010 11:42:41 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
25mm_Spacer_Back_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43
Program Name: Compliance Testing: (Body worn)

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.964 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

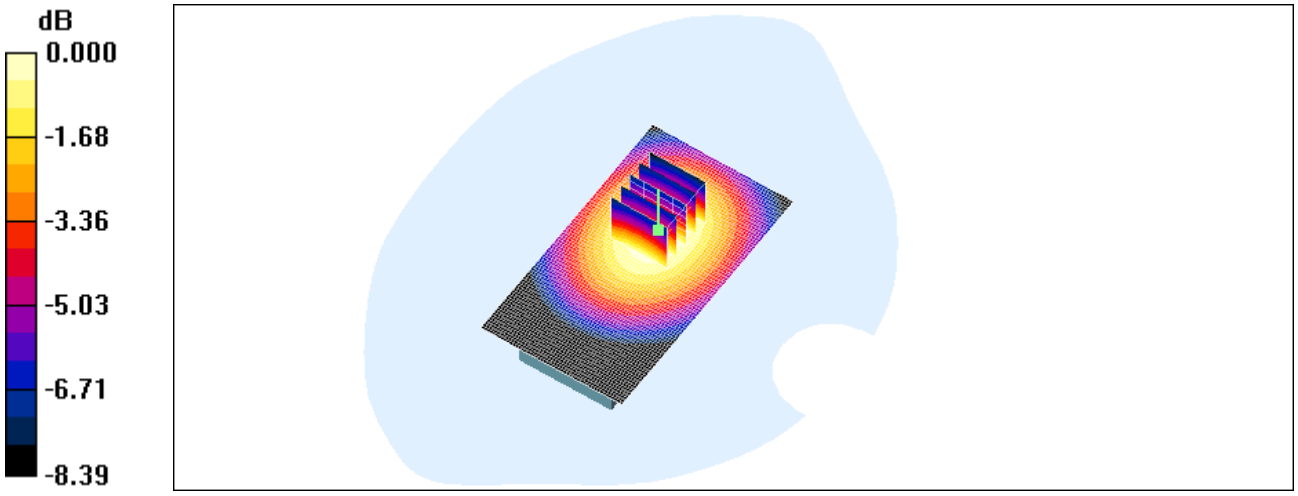
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.87, 5.87, 5.87); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.612 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.7 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.715 W/kg
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.429 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: 12/02/2010 4:09:00 PM

Test Laboratory: RIM TESTING SERVICES

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED

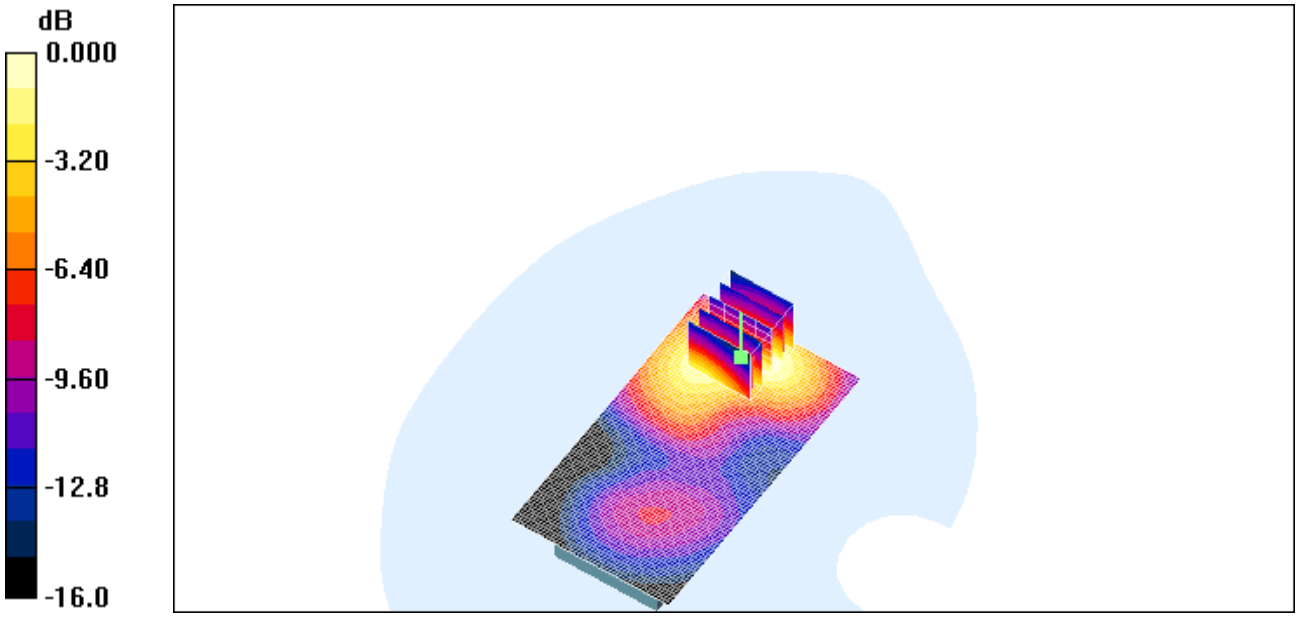
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.69, 4.69, 4.69); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- 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) = 0.572 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.33 V/m; Power Drift = -0.389 dB
Peak SAR (extrapolated) = 0.750 W/kg
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.577 mW/g



0 dB = 0.577mW/g

Date/Time: 12/02/2010 4:54:08 PM

Test Laboratory: RIM TESTING SERVICES

Vertical_Holster_Front_GPRS1900_mid_chan_amb_temp_22.5C_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED

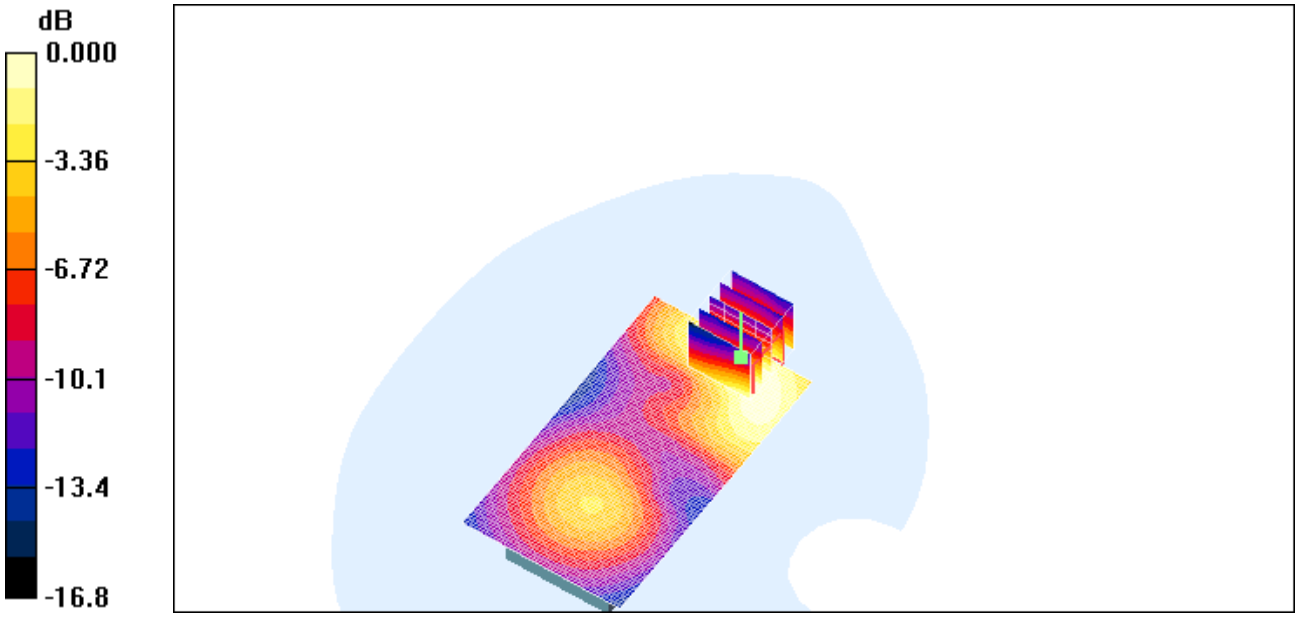
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.69, 4.69, 4.69); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- 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) = 0.189 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.23 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.264 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.110 mW/g
Maximum value of SAR (measured) = 0.194 mW/g



0 dB = 0.194mW/g

Date/Time: 12/02/2010 4:32:39 PM

Test Laboratory: RIM TESTING SERVICES

Vertical_Holster_HS#3_Back_GPRS1900_mid_chan_amb_temp_22.4C_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED

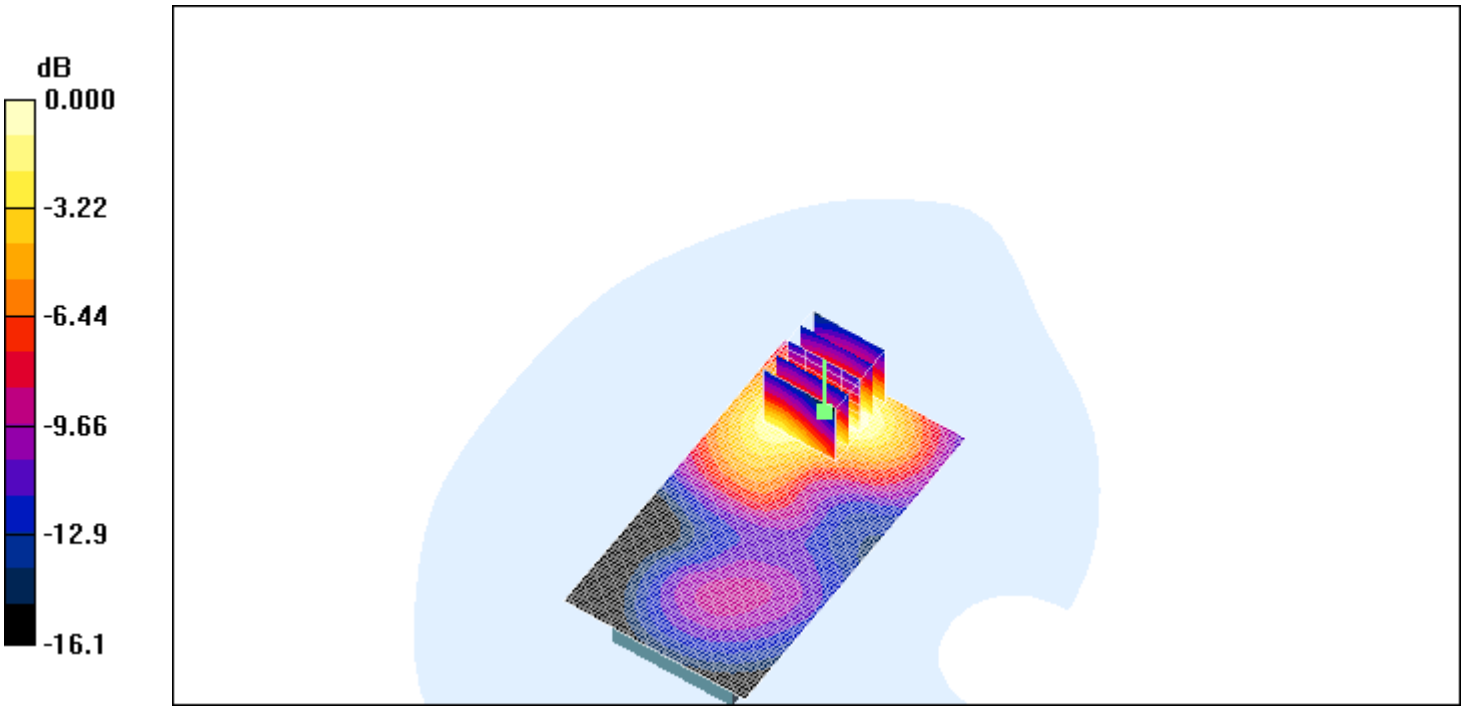
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.69, 4.69, 4.69); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- 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) = 0.573 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.35 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.754 W/kg
SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.575 mW/g



0 dB = 0.575mW/g

Date/Time: 12/02/2010 5:08:58 PM

Test Laboratory: RIM TESTING SERVICES

25mm_space_back_GPRS1900_mid_chan_amb_temp_22.6C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED

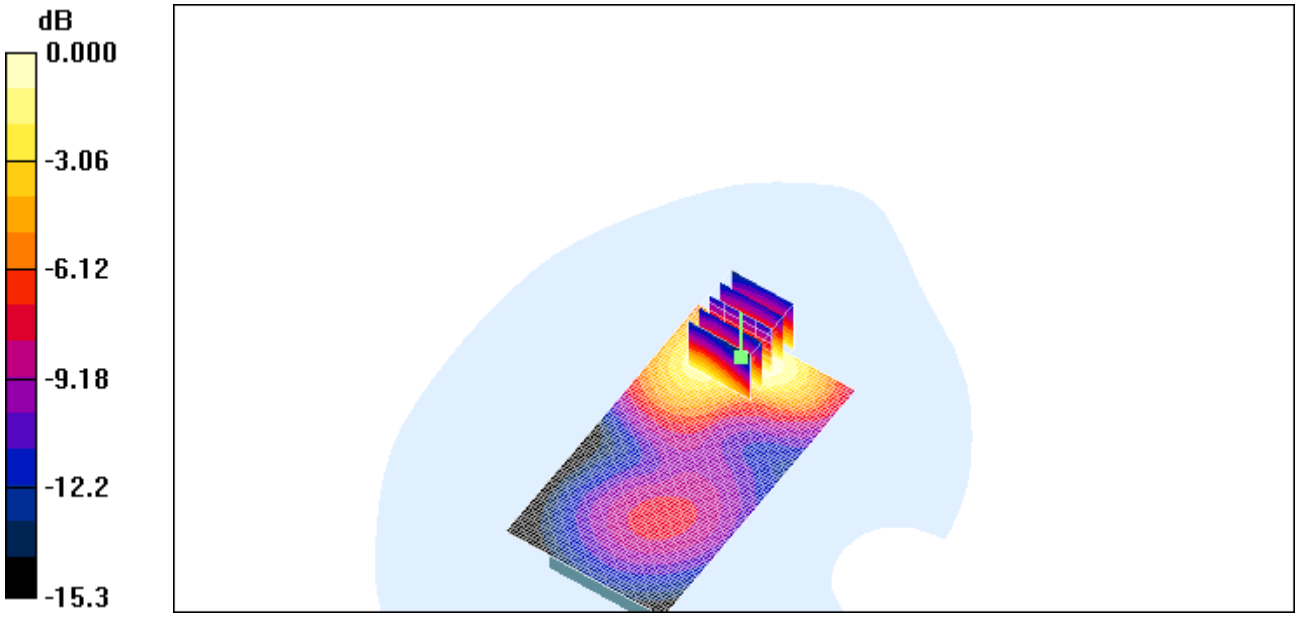
Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.69, 4.69, 4.69); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- 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) = 0.272 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.86 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.271 mW/g



0 dB = 0.271mW/g

Date/Time: 2/24/2010 6:11:32 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_UMTS_band_II_mid_chan_amb_temp_22.7C_liq_temp_21.2C.da4

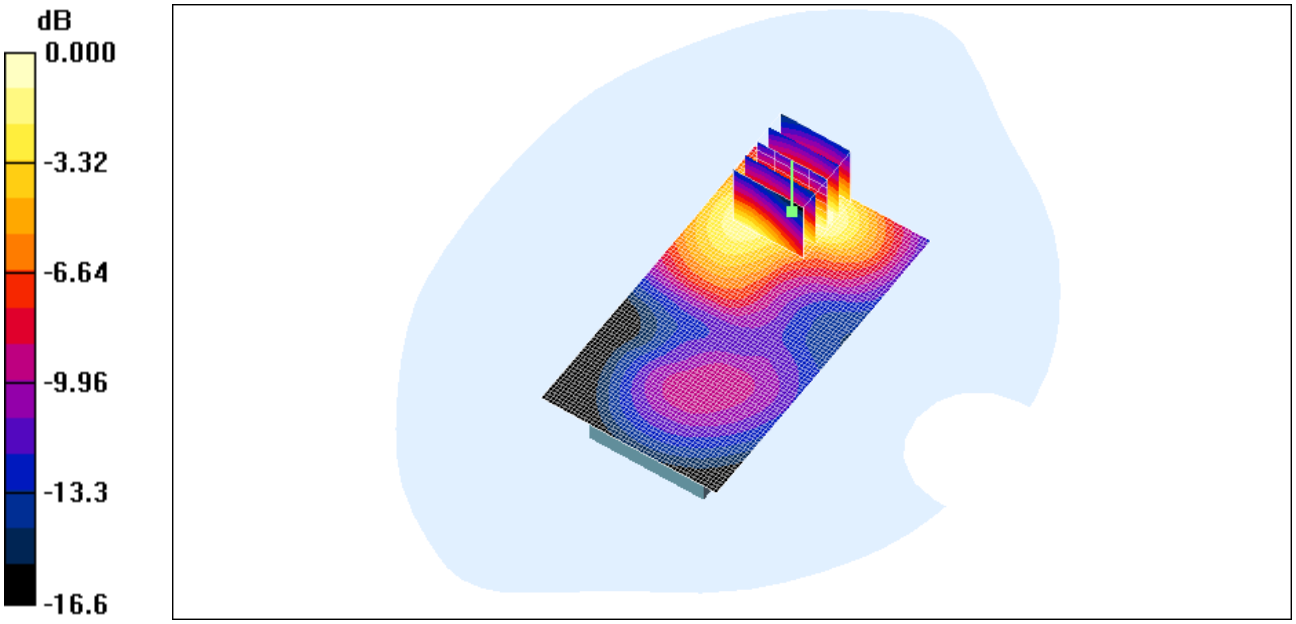
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

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 = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(4.77, 4.77, 4.77); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- 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) = 0.657 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.99 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.862 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 0.655 mW/g



0 dB = 0.655mW/g

Date/Time: 2/24/2010 6:26:51 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Front_UMTS_band_II_mid_chan_amb_temp_22.6C_liq_temp_20.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

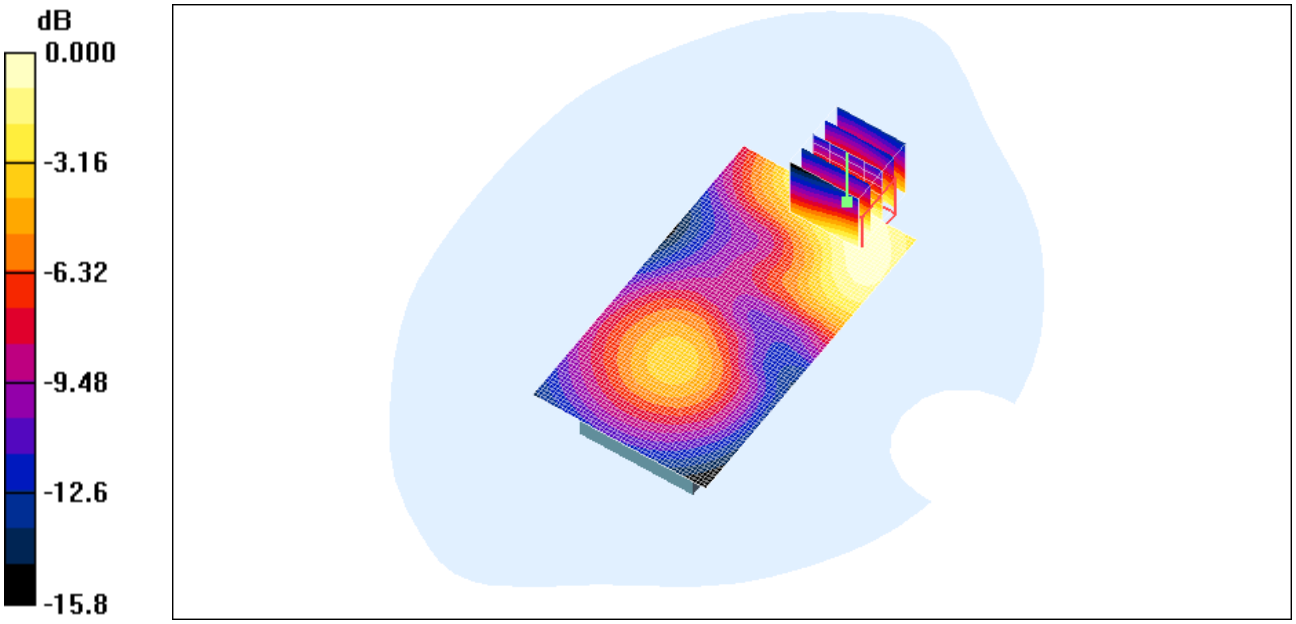
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(4.77, 4.77, 4.77); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- 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) = 0.206 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.64 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



0 dB = 0.206mW/g

Date/Time: 2/24/2010 6:41:58 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_HS#2_Back_UMTS_band_II_mid_chan_amb_temp_22.5C_liq_temp_20.7C.da4

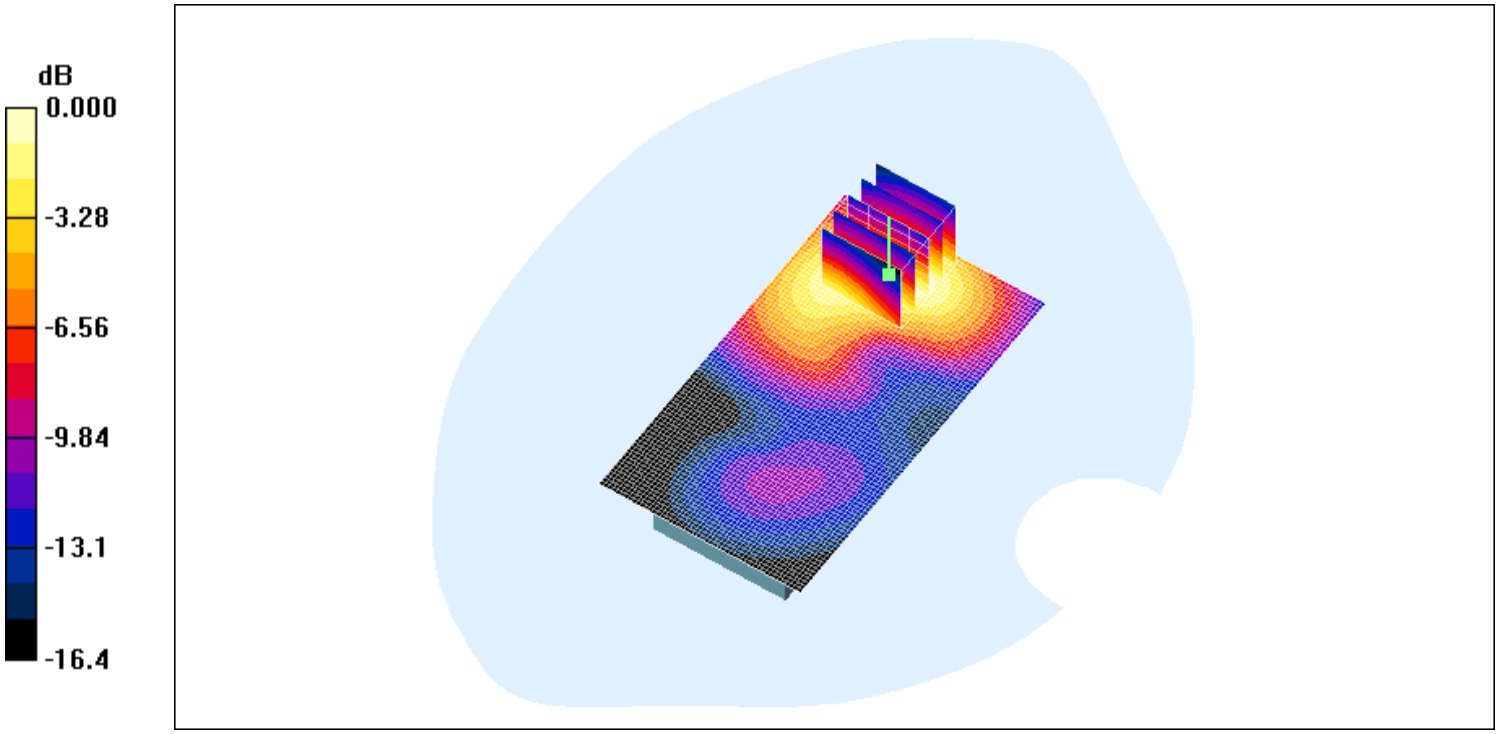
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

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 = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(4.77, 4.77, 4.77); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- 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) = 0.706 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.87 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.945 W/kg
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 0.711 mW/g



0 dB = 0.711mW/g

Date/Time: 2/24/2010 6:57:39 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
25mm_Spacer_UMTS_band_II_mid_chan_amb_temp_22.5C_liq_temp_20.7C.da4

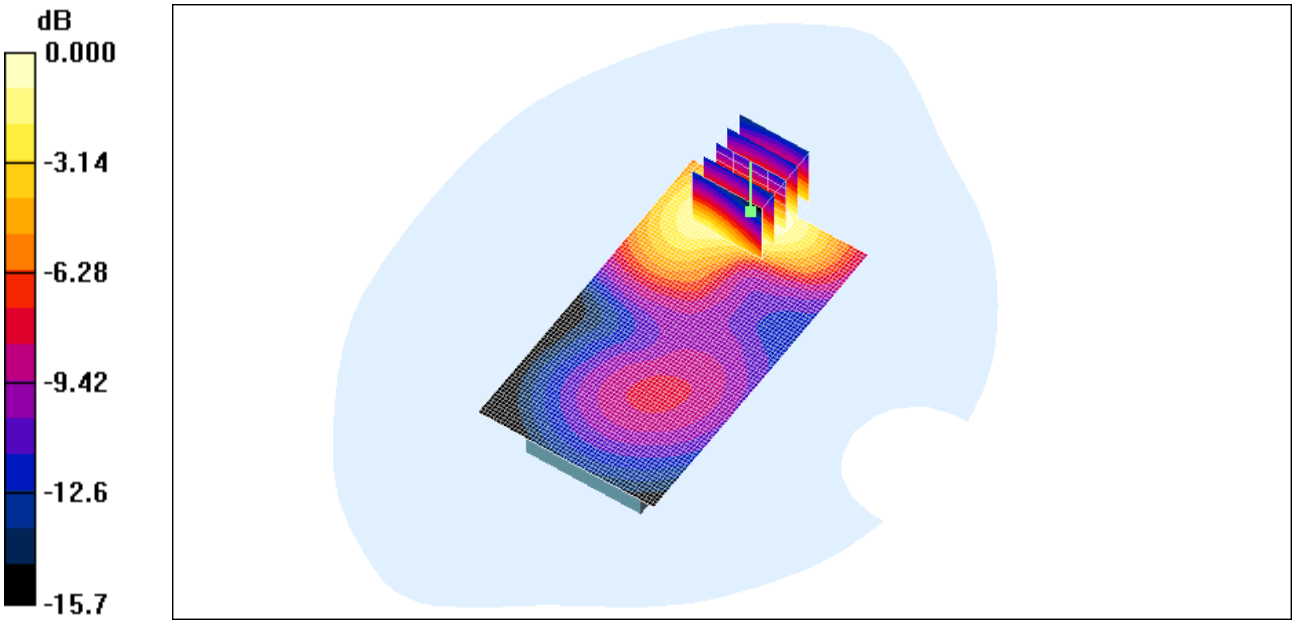
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

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 = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(4.77, 4.77, 4.77); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- 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) = 0.329 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.90 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.320 mW/g



0 dB = 0.320mW/g

Date/Time: 2/26/2010 4:12:10 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Back_802.11b_low_chan_amb_temp_23.4C_liq_temp_20.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.95 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

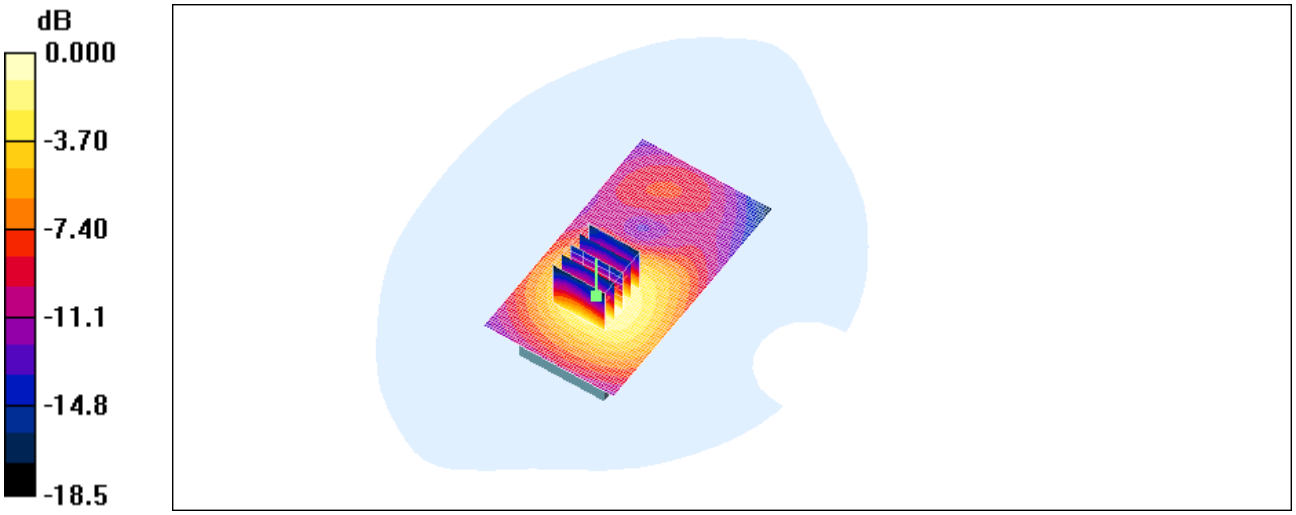
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.300 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.81 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 0.659 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.158 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.311 mW/g



0 dB = 0.311mW/g

Date/Time: 2/26/2010 4:31:03 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_Front_802.11b_low_chan_amb_temp_23.4C_liq_temp_20.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.95 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

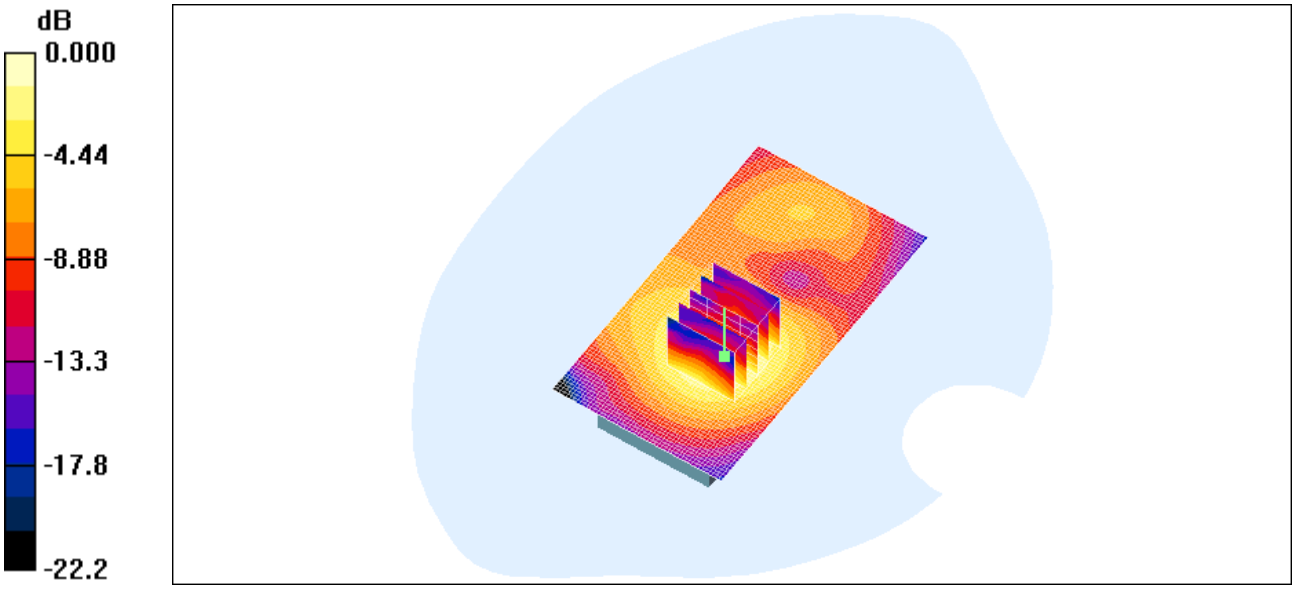
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.086 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.63 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.042 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.086 mW/g



0 dB = 0.086mW/g

Date/Time: 2/26/2010 5:04:53 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
Vertical_Holster_HS#2_Back_802.11b_low_chan_amb_temp_23.4C_liq_temp_20.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.95 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

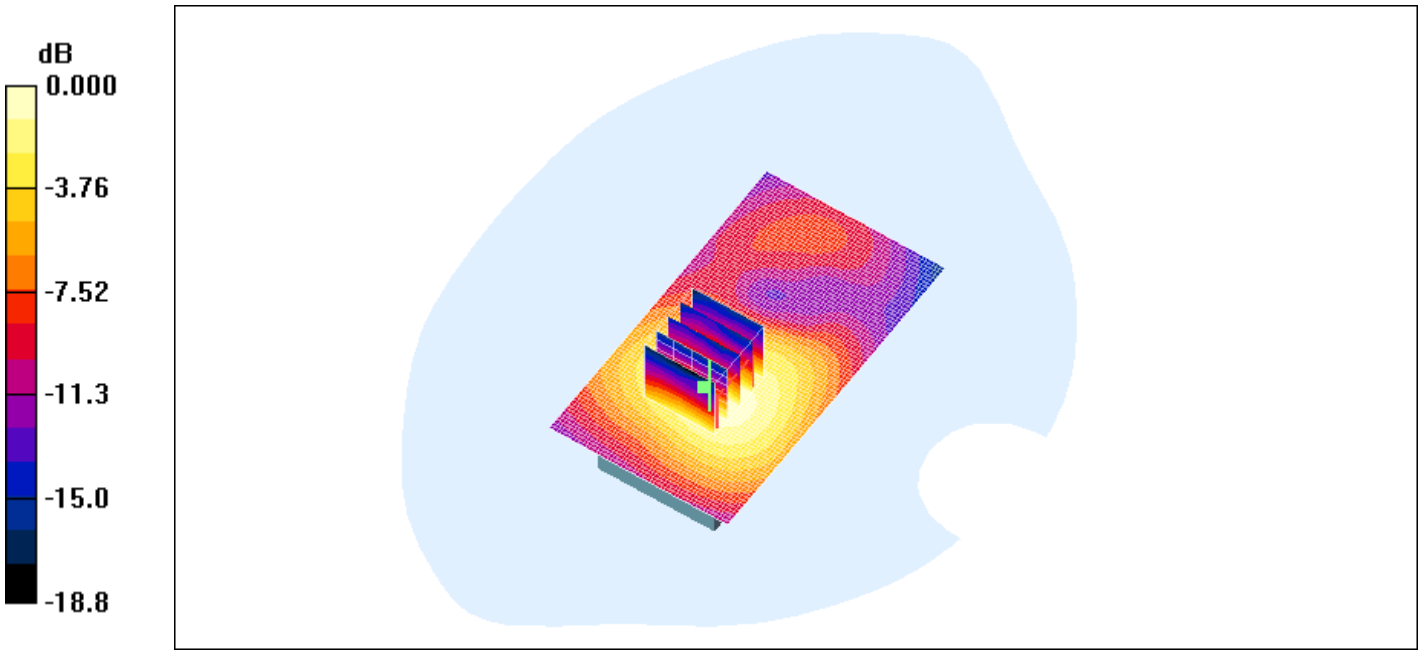
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.231 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.09 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.123 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.234mW/g

Date/Time: 2/26/2010 5:23:45 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
25mm_Spacer_Back_802.11b_low_chan_amb_temp_23.4C_liq_temp_20.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.95 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

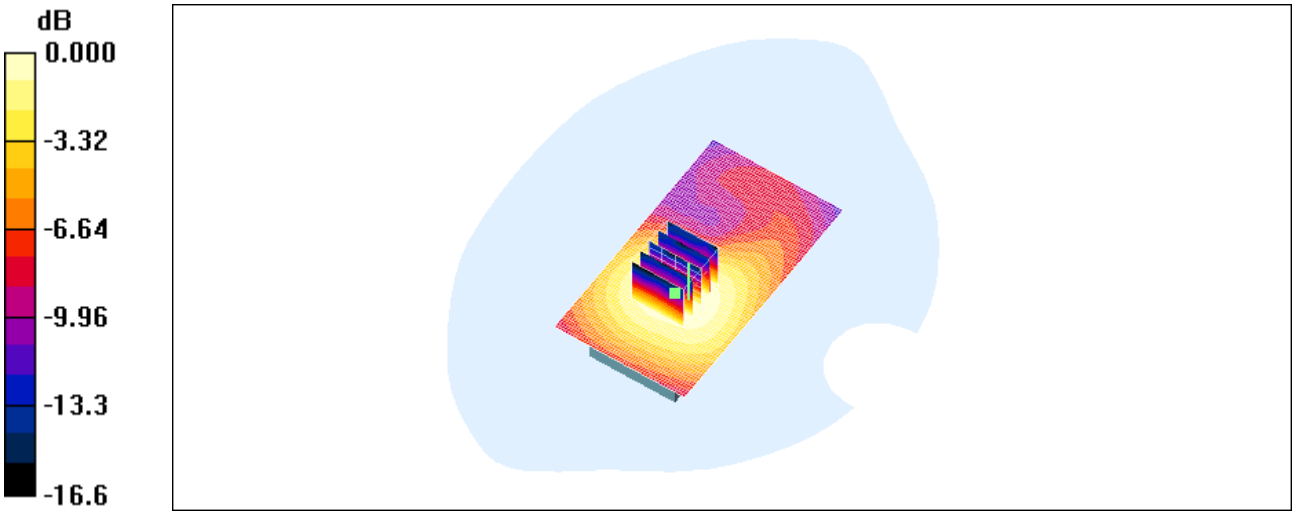
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.156 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.18 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.087 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.153 mW/g



0 dB = 0.153mW/g

Z axis plot for the worst case body configuration: