APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 19/08/2009 5:33:02 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS850_low_chan_amb_temp_23.1C_liq_temp_21.9C.da4

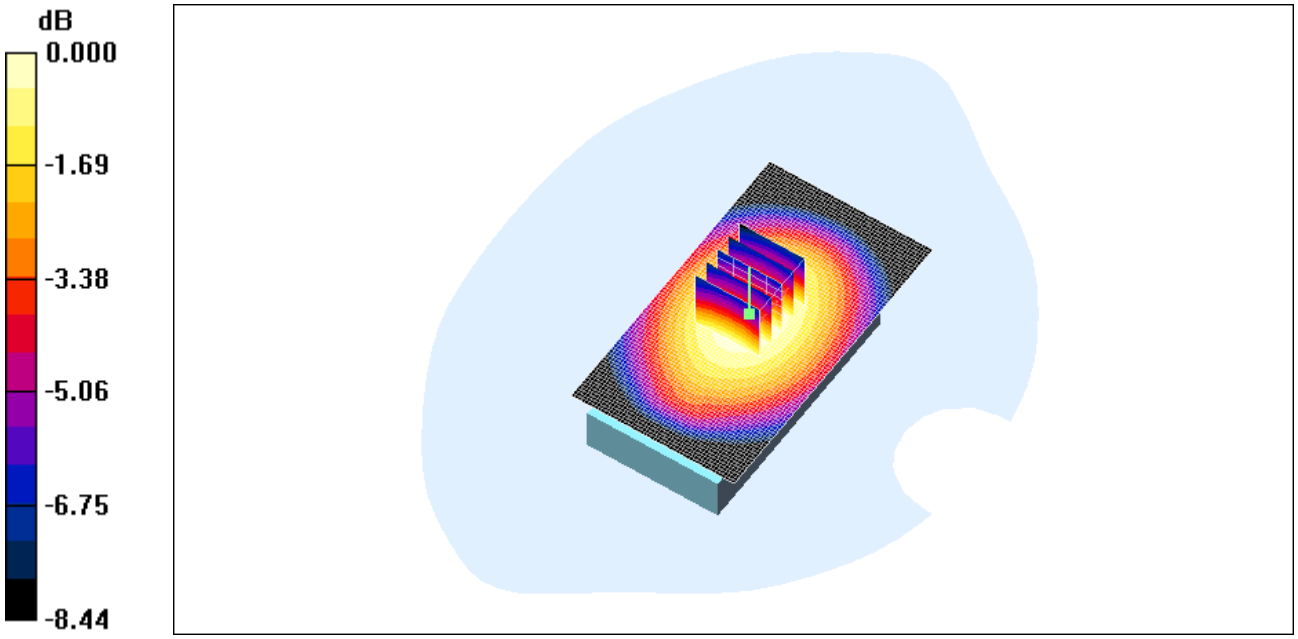
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.631 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.8 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.725 W/kg
SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.453 mW/g
Maximum value of SAR (measured) = 0.624 mW/g



0 dB = 0.624mW/g

Date/Time: 19/08/2009 5:53:12 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.1C_liq_temp_21.9C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.939 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

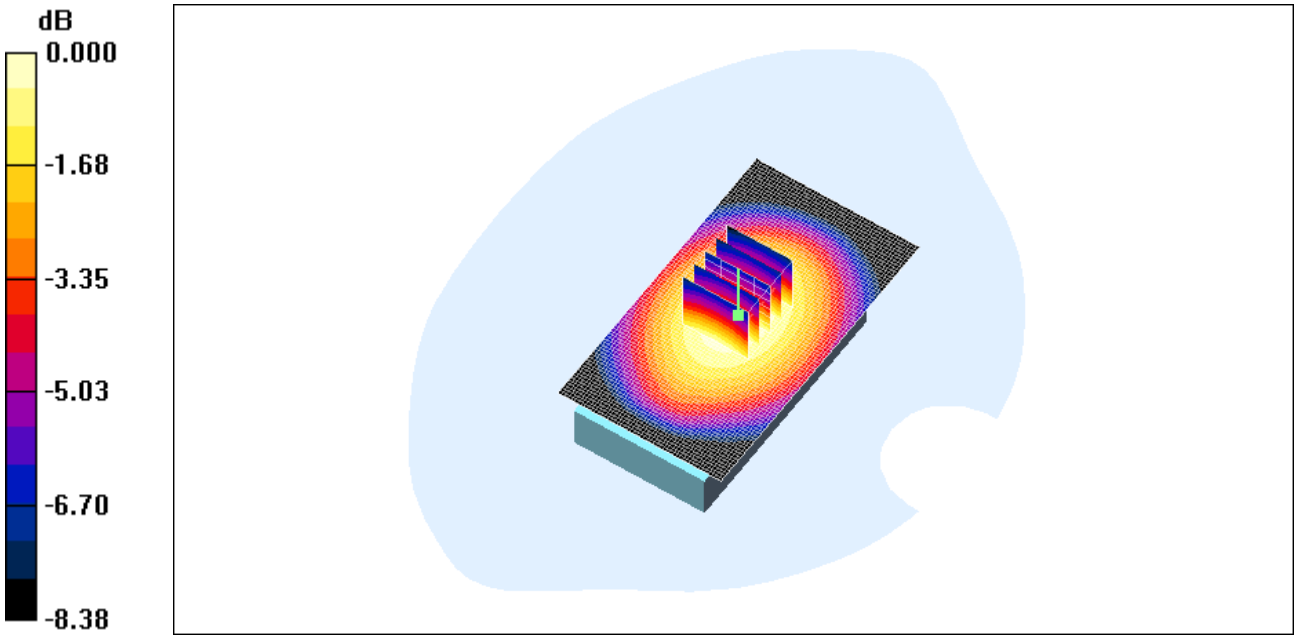
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.567 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.5 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.407 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.571 mW/g



0 dB = 0.571mW/g

Date/Time: 19/08/2009 6:08:36 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS850_high_chan_amb_temp_22.7C_liq_temp_21.9C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.951 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

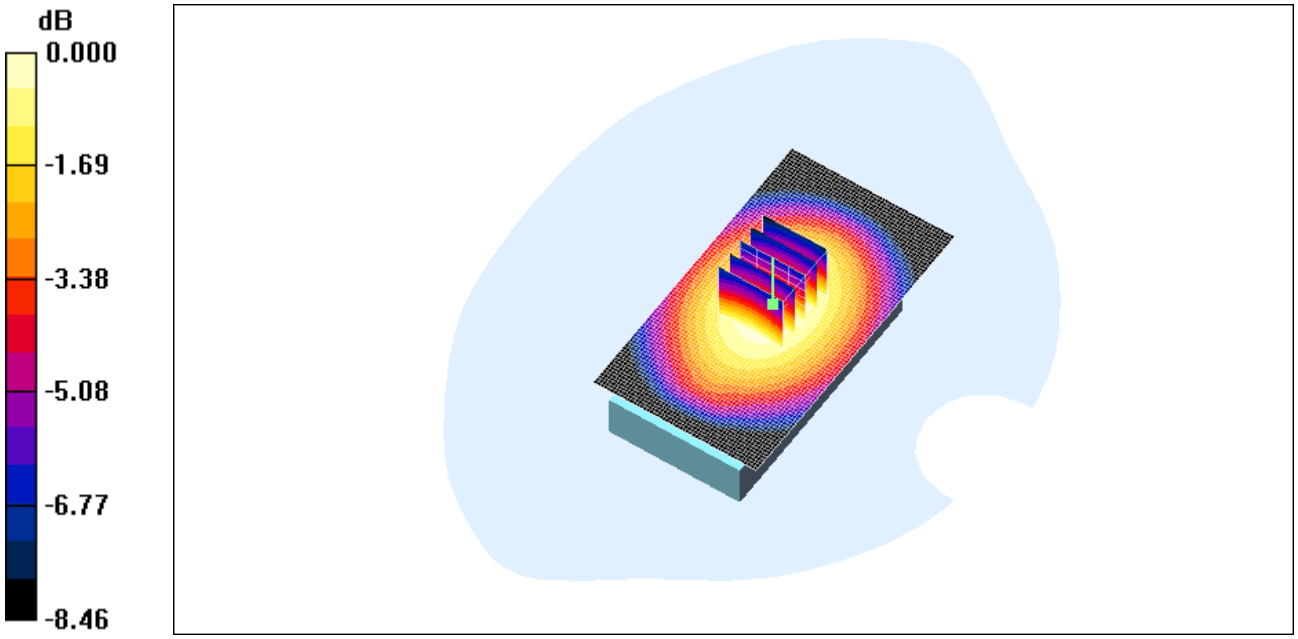
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.461 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.9 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.330 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.459mW/g

Date/Time: 19/08/2009 6:32:33 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_GPRS850_low_chan_amb_temp_22.4C_liq_temp_21.8C.da4

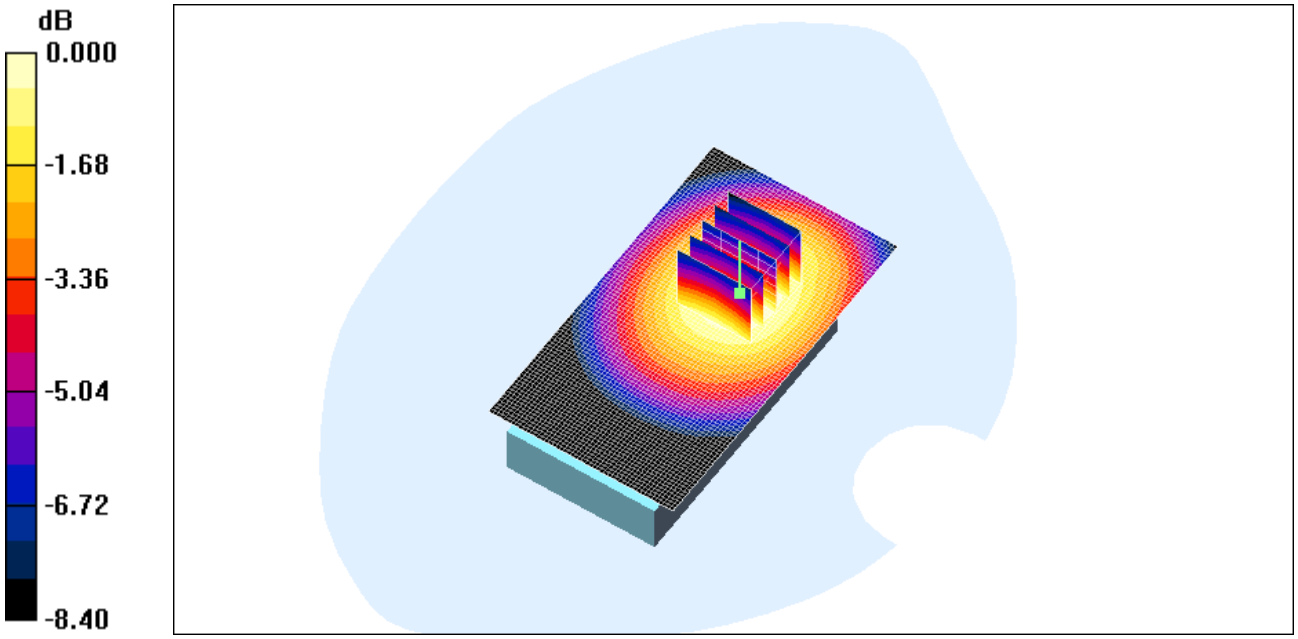
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.568 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.8 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.567 mW/g



0 dB = 0.567mW/g

Date/Time: 19/08/2009 6:53:31 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Front_GPRS850_low_chan_amb_temp_22.3C_liq_temp_21.7C.da4

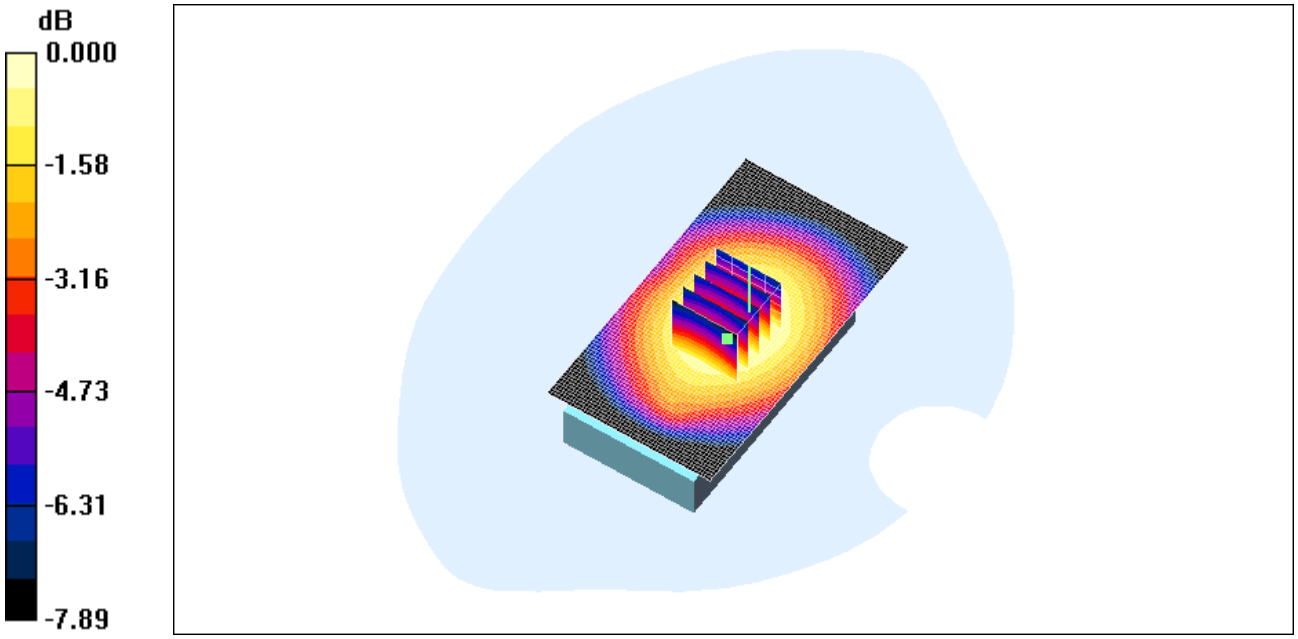
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.469 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.342 mW/g
Maximum value of SAR (measured) = 0.471 mW/g



0 dB = 0.471mW/g

Date/Time: 19/08/2009 7:11:24 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_Headset1_GPRS850_low_chan_amb_temp_22.6C_liq_temp_21.9C.da4

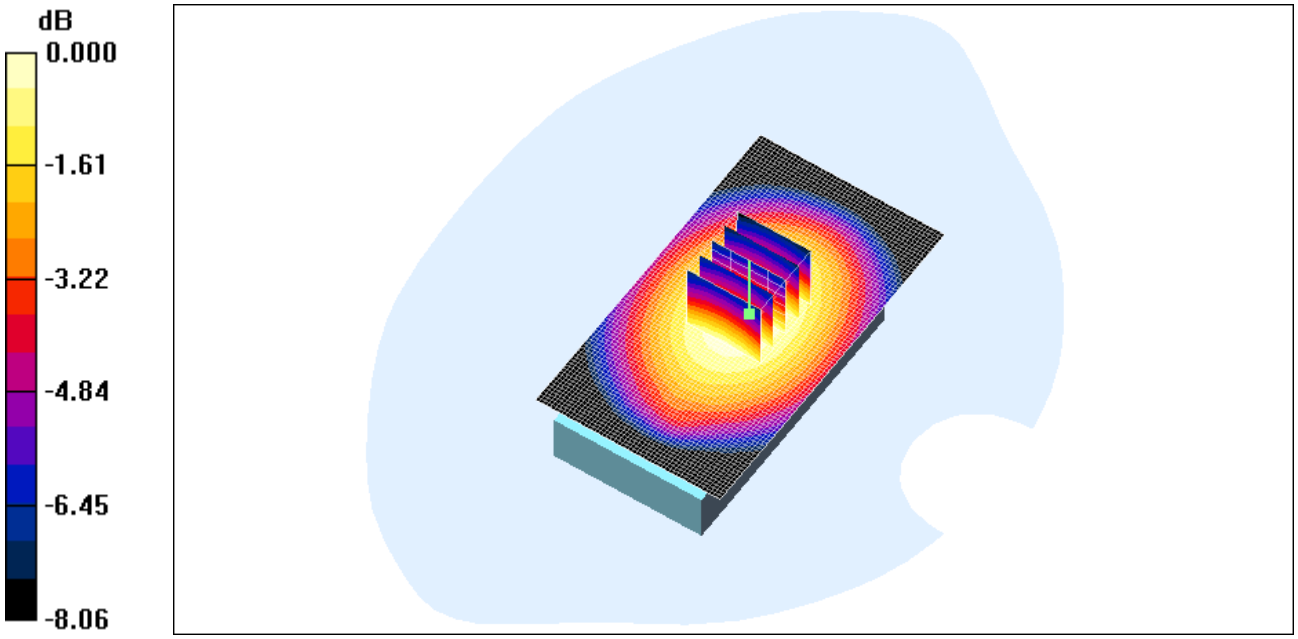
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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 = 25.7 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.412 mW/g
Maximum value of SAR (measured) = 0.567 mW/g



0 dB = 0.567mW/g

Date/Time: 19/08/2009 7:27:14 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_Headset2_GPRS850_low_chan_amb_temp_23.1C_liq_temp_22.3C.da4

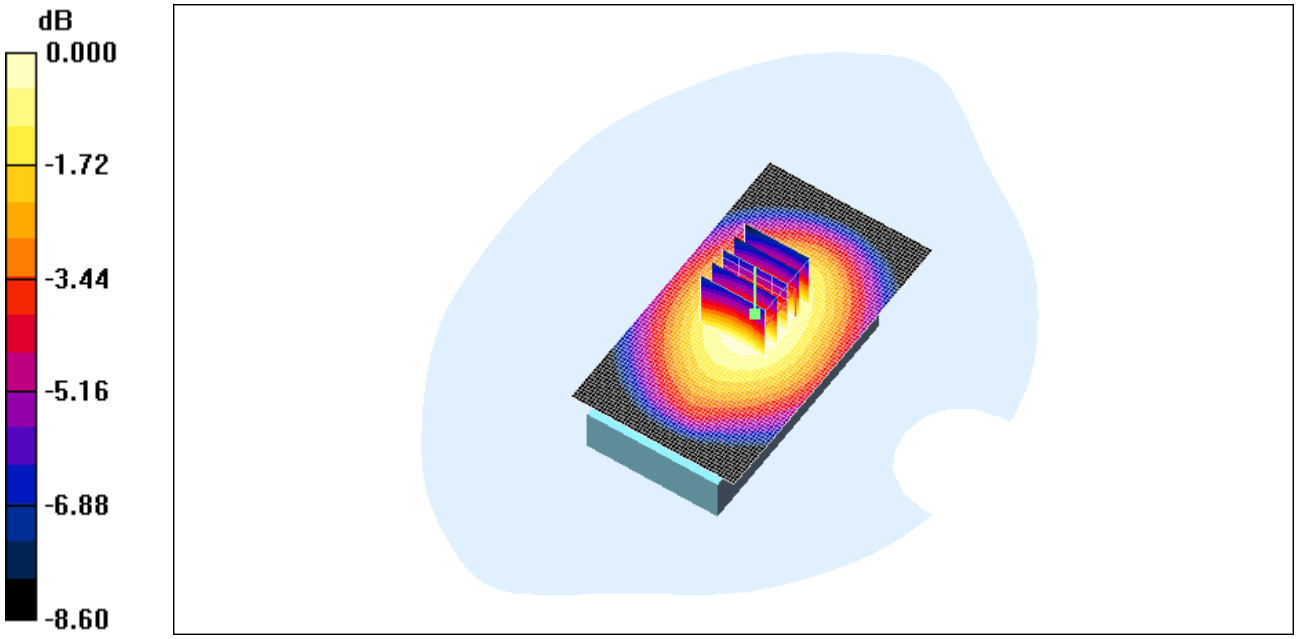
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.601 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.2 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.604mW/g

Date/Time: 19/08/2009 7:42:34 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_Headset3_GPRS850_low_chan_amb_temp_22.5C_liq_temp_22.3C.da4

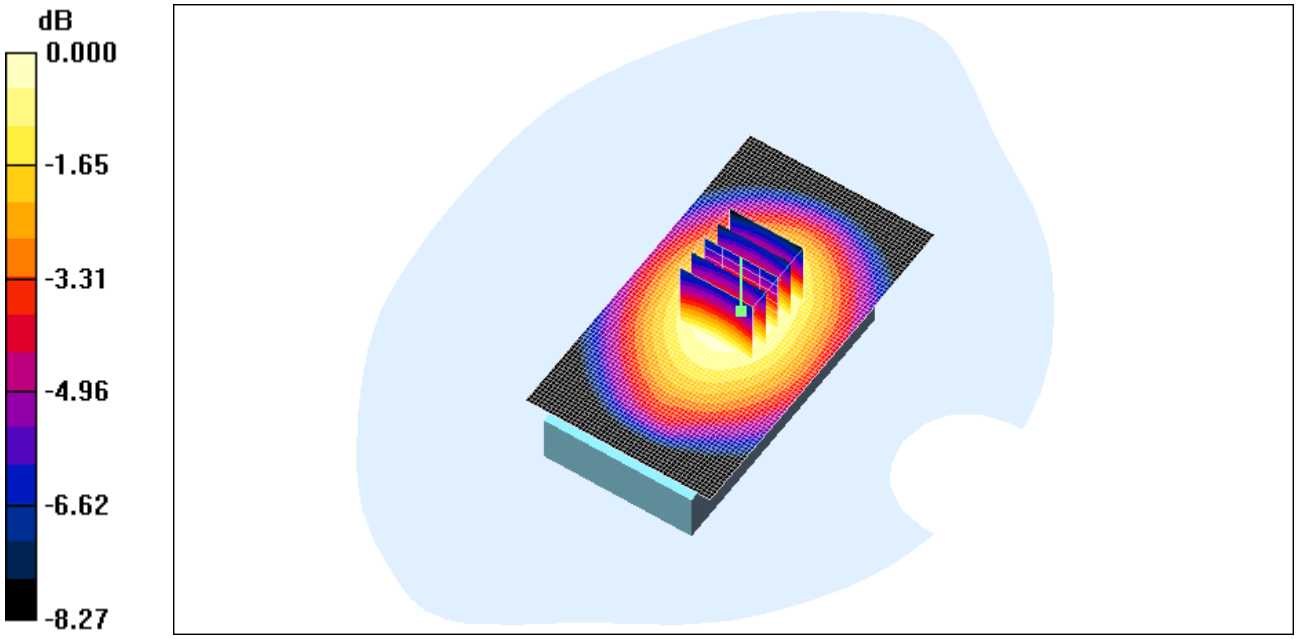
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.487 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

Date/Time: 19/08/2009 8:00:25 AM

Test Laboratory: RTS
File Name:
25mm_Spacer_Back_GPRS850_low_chan_amb_temp_22.4C_liq_temp_22.2C.da4

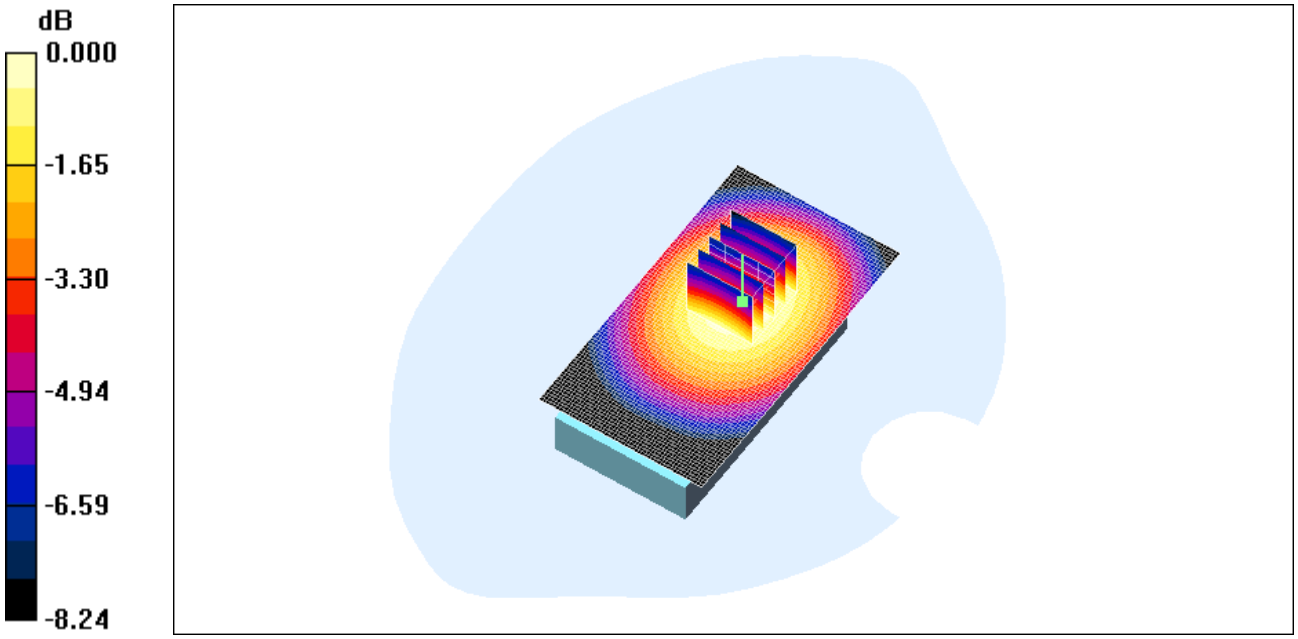
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.403 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.8 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.468 W/kg
SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.407 mW/g



0 dB = 0.407mW/g

Date/Time: 19/08/2009 9:50:23 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS850_3_slots_low_chan_amb_temp_22.7C_liq_temp_21.8C.da4

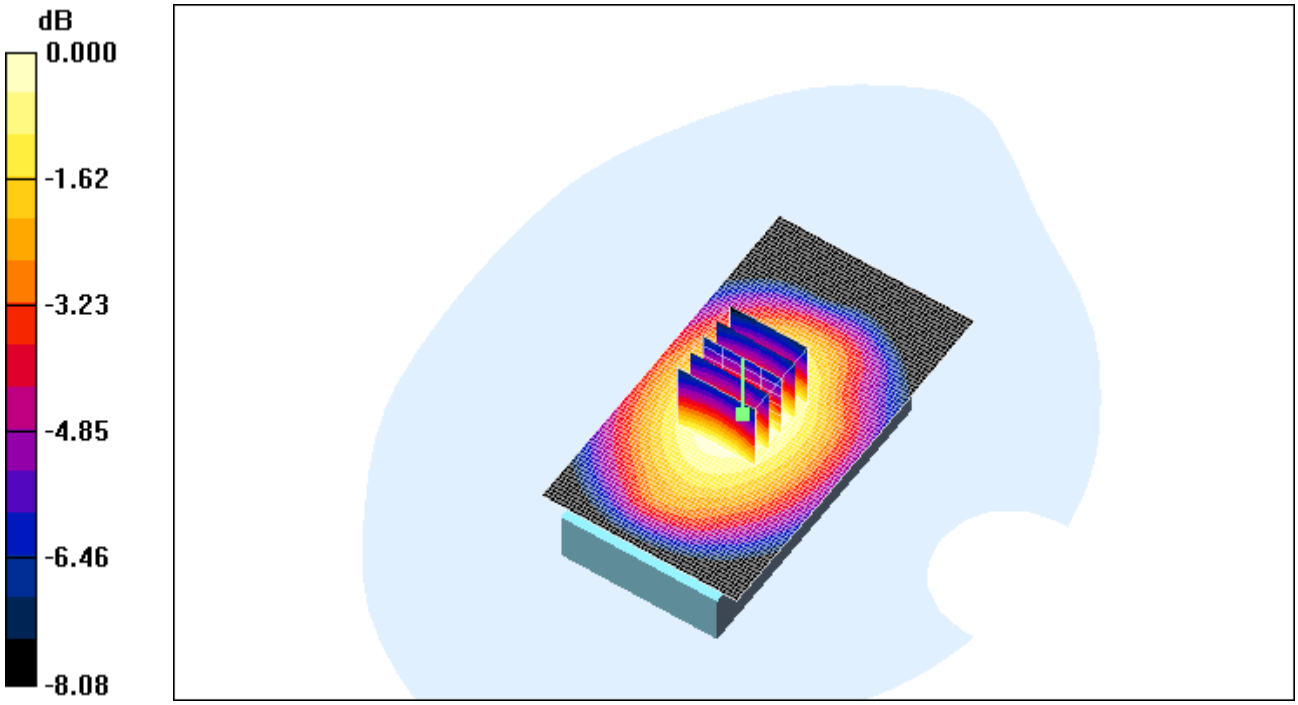
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850 (3 slots); Frequency: 824.2 MHz;Duty Cycle: 1:2.8
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.594 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.2 V/m; Power Drift = -0.182 dB
Peak SAR (extrapolated) = 0.677 W/kg
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.423 mW/g
Maximum value of SAR (measured) = 0.586 mW/g



0 dB = 0.586mW/g

Date/Time: 19/08/2009 10:10:01 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS850_4_slots_low_chan_amb_temp_22.8C_liq_temp_21.7C.da4

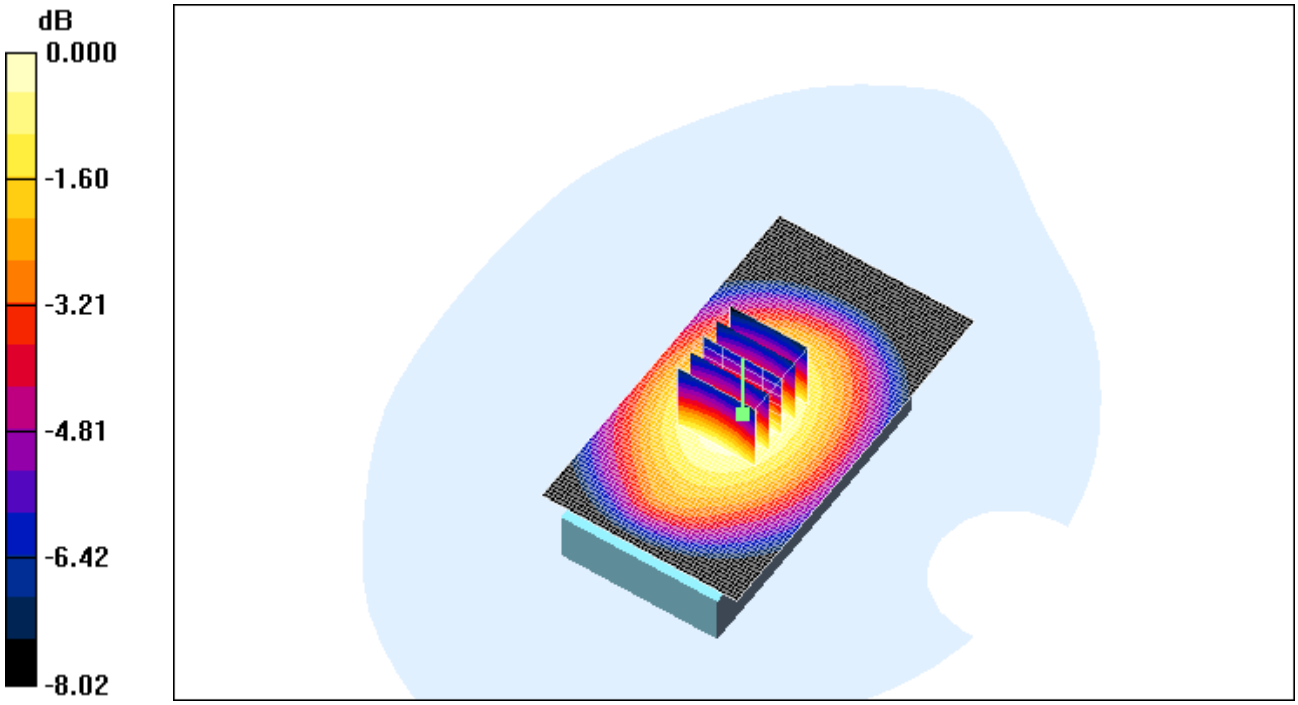
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 824.2 MHz;Duty Cycle: 1:2.1
Medium parameters used: f = 825 MHz; σ = 0.928 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(5.99, 5.99, 5.99); Calibrated: 12/01/2009
- 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) = 0.479 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.5 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.346 mW/g
Maximum value of SAR (measured) = 0.479 mW/g



0 dB = 0.479mW/g

Date/Time: 17/08/2009 2:09:55 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS1900_low_chan_amb_temp_23.0C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

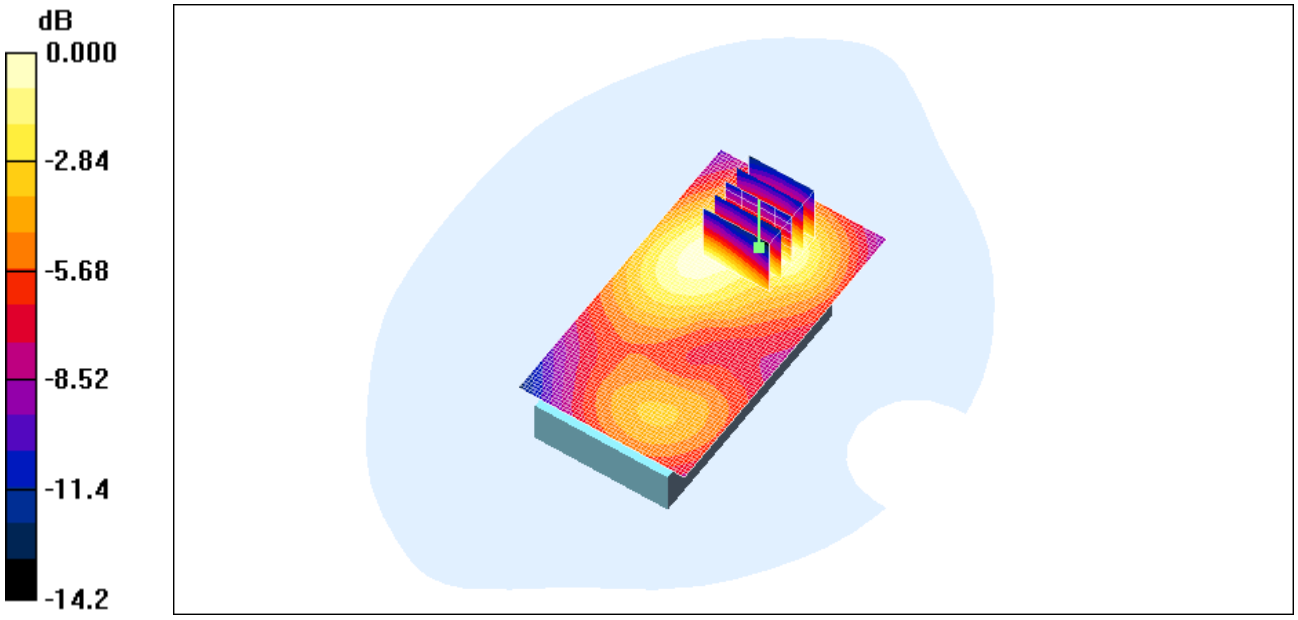
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.266 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.157 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.264 mW/g



0 dB = 0.264mW/g

Date/Time: 17/08/2009 2:27:56 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_23.1C_liq_temp_22.5C.da4

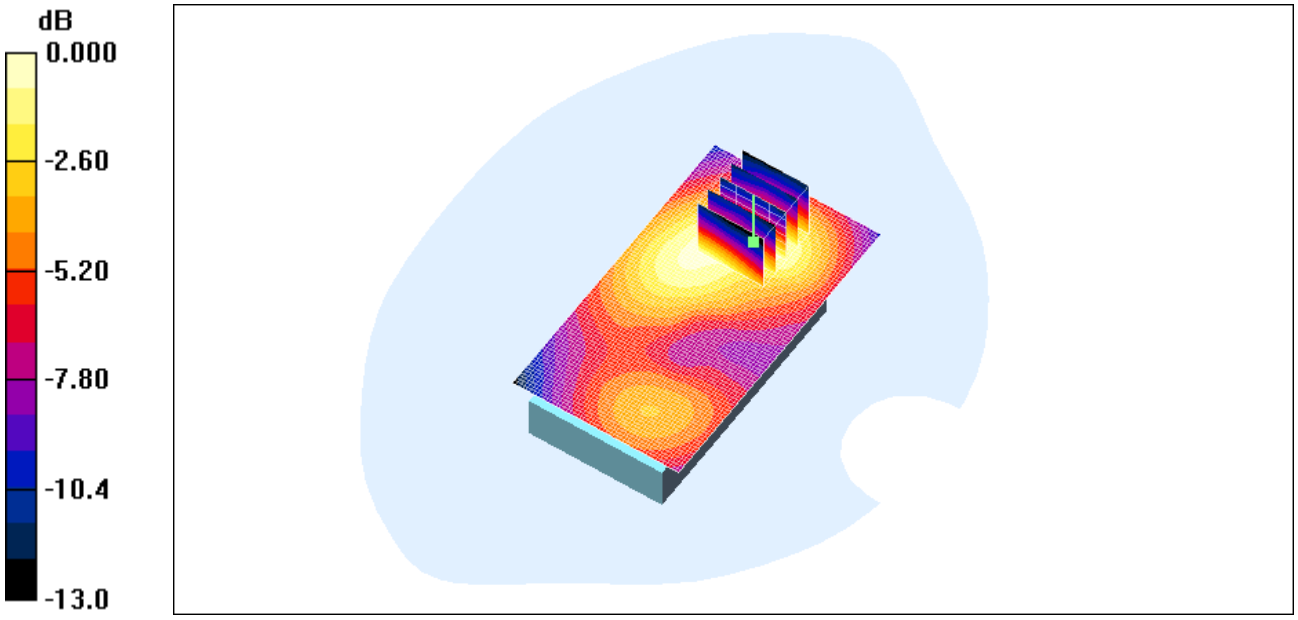
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- 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) = 0.218 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.97 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.125 mW/g
Maximum value of SAR (measured) = 0.214 mW/g



0 dB = 0.214mW/g

Date/Time: 17/08/2009 3:02:19 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_GPRS1900_high_chan_amb_temp_23.1C_liq_temp_22.5C.da4

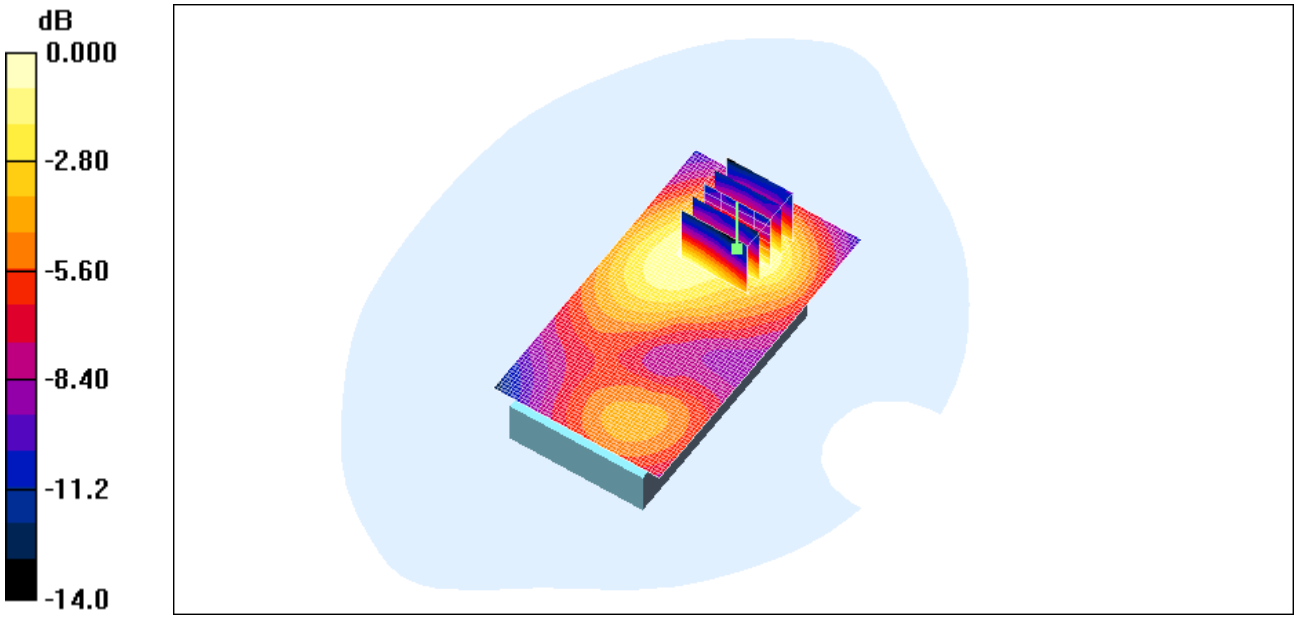
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1910 MHz; σ = 1.59 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- 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) = 0.225 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.92 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.222 mW/g



0 dB = 0.222mW/g

Date/Time: 17/08/2009 3:19:07 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_GPRS1900_low_chan_amb_temp_23.1C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

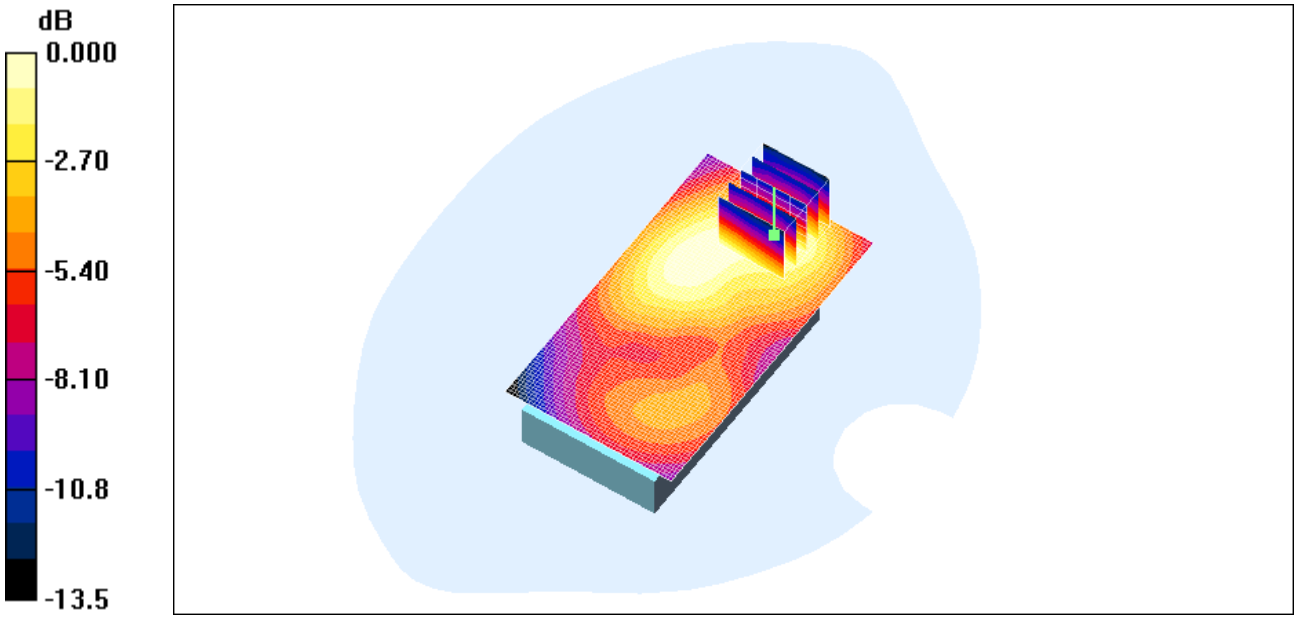
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.277 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.39 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.163 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.275 mW/g



0 dB = 0.275mW/g

Date/Time: 17/08/2009 3:36:47 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Front_GPRS1900_low_chan_amb_temp_23.2C_liq_temp_22.6C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

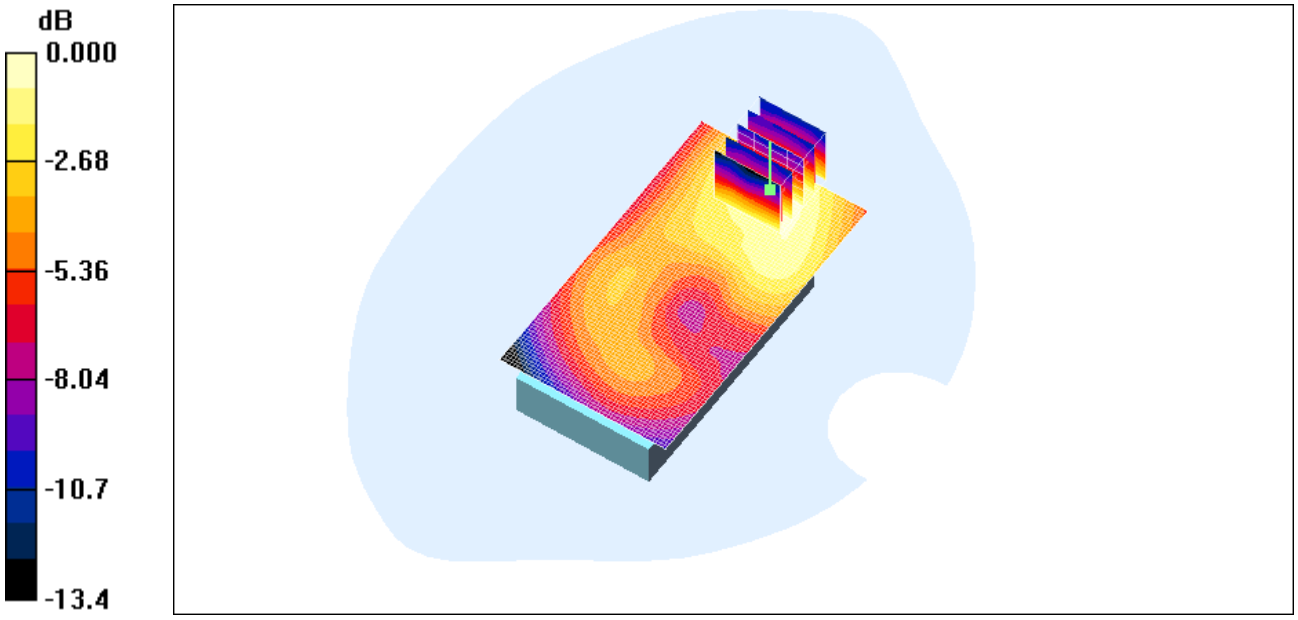
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.142 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.91 V/m; Power Drift = 0.283 dB
Peak SAR (extrapolated) = 0.197 W/kg
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.090 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.149 mW/g



0 dB = 0.149mW/g

Date/Time: 17/08/2009 3:54:34 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_Headset1_GPRS1900_low_chan_amb_temp_23.2C_liq_temp_22.6C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

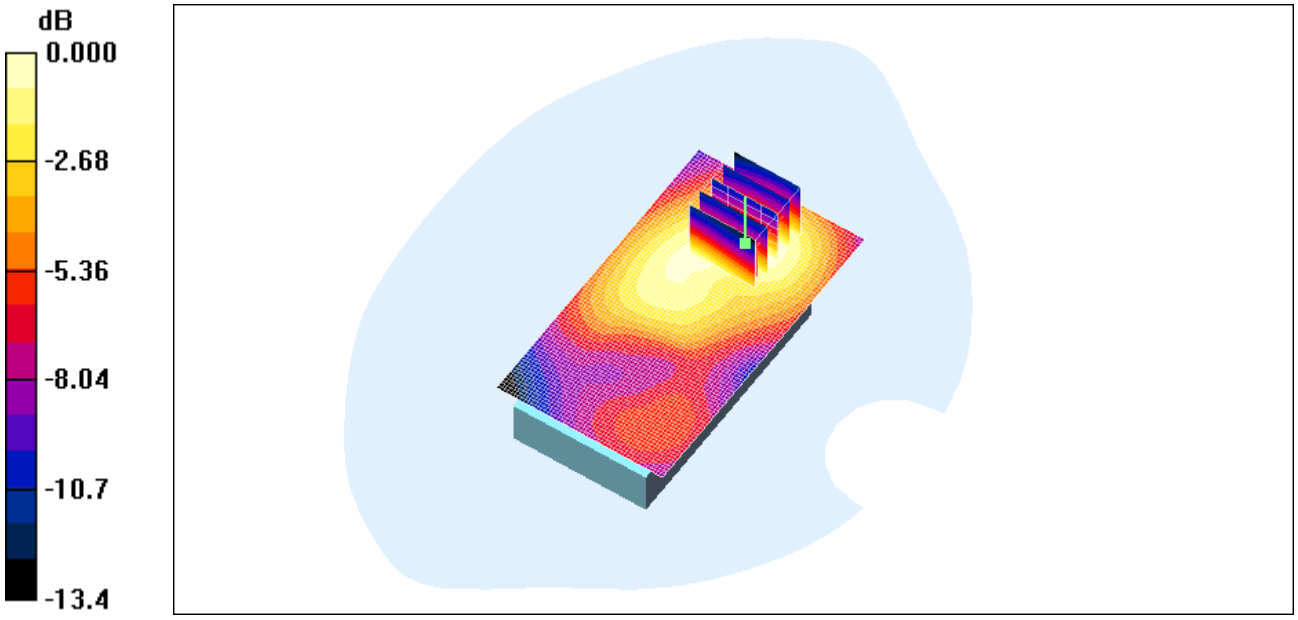
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.299 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.61 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.389 W/kg
SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.180 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: 17/08/2009 4:12:07 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_Headset2_GPRS1900_low_chan_amb_temp_23.1C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

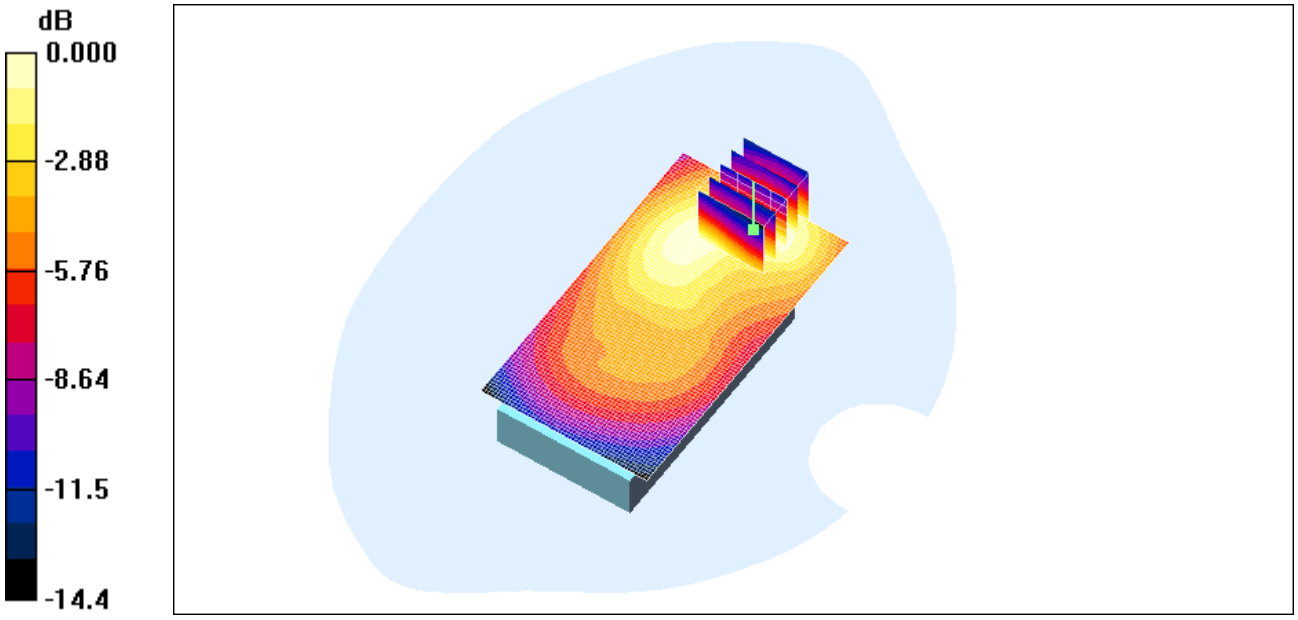
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.250 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.146 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.246 mW/g



0 dB = 0.246mW/g

Date/Time: 17/08/2009 4:29:40 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_Headset3_GPRS1900_low_chan_amb_temp_23.1C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

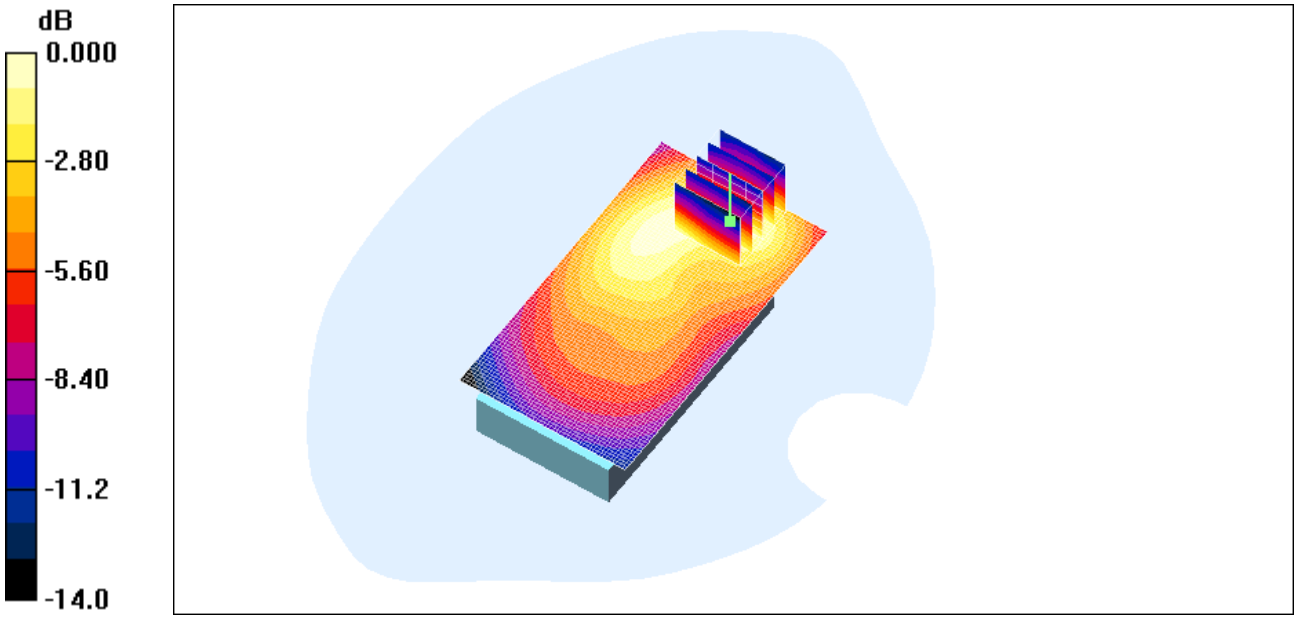
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.246 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.66 V/m; Power Drift = 0.139 dB
Peak SAR (extrapolated) = 0.312 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.143 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.244mW/g

Date/Time: 17/08/2009 6:48:27 AM

Test Laboratory: RTS
File Name:
25mm_Spacer_Back_GPRS1900_low_chan_amb_temp_23.0C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

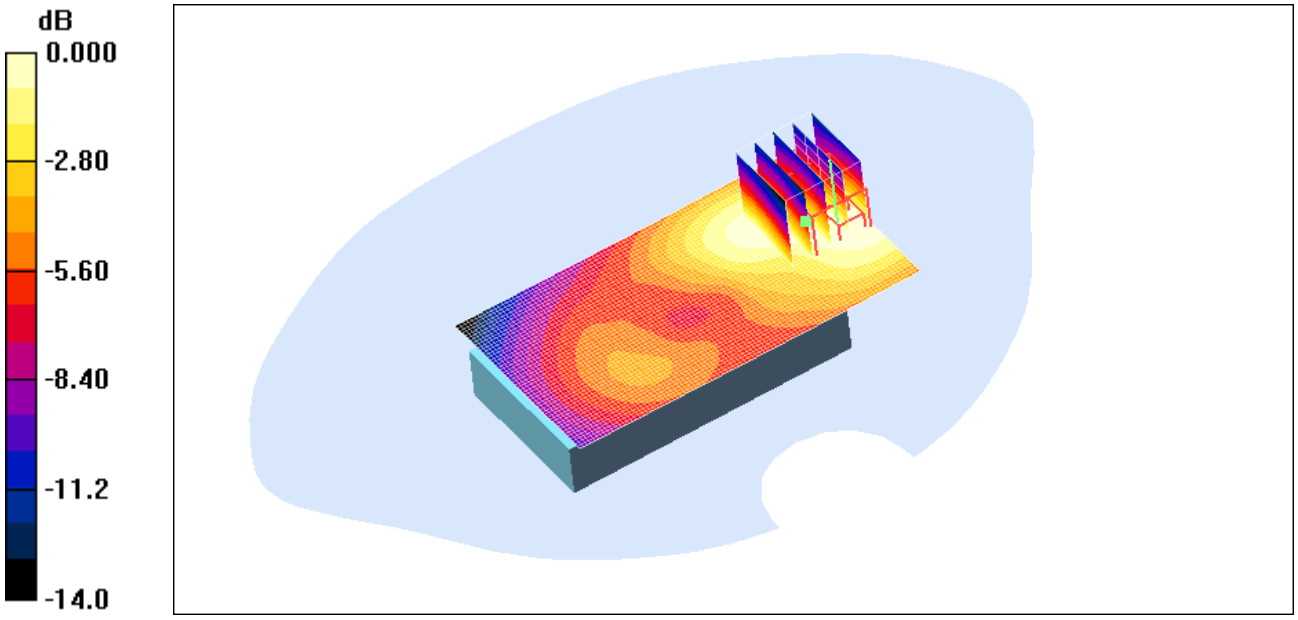
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.202 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.41 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.124 mW/g

Info: Interpolated medium parameters used for SAR evaluation..
Maximum value of SAR (measured) = 0.205 mW/g



0 dB = 0.205mW/g

Date/Time: 17/08/2009 5:59:34 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_Headset1_GPRS1900_3_slots_low_chan_amb_temp_23.2C_liq_temp_22.6C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900 (3-slots); Frequency: 1850.2 MHz;Duty Cycle: 1:2.8
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

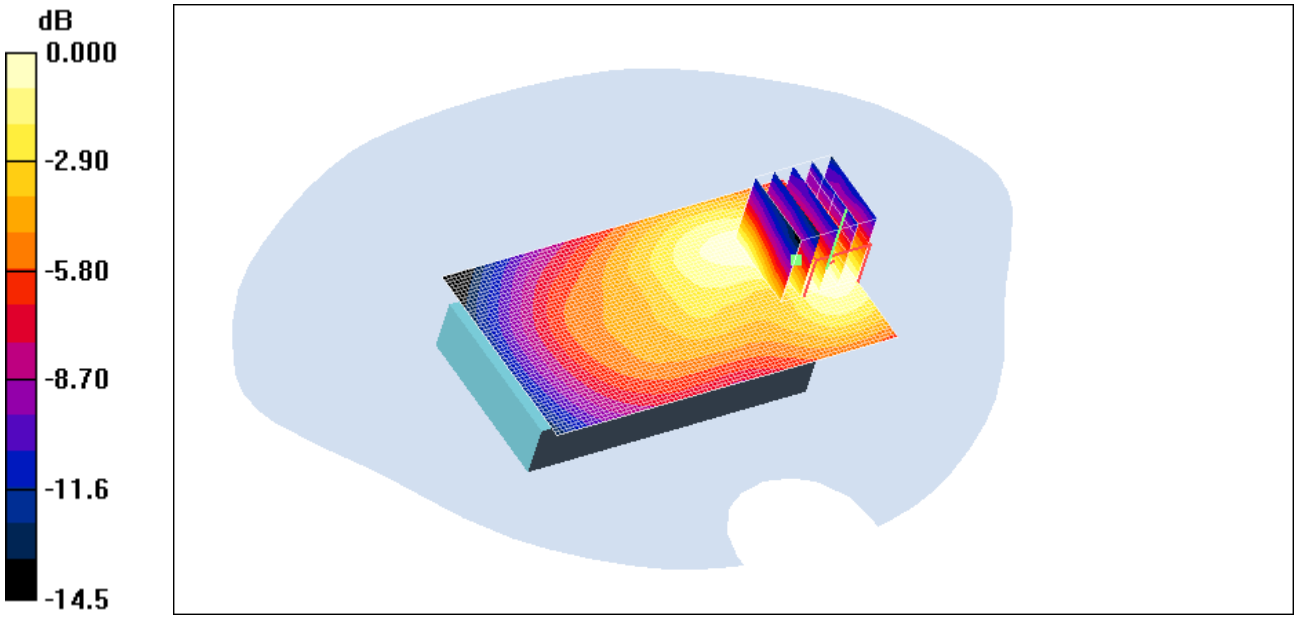
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.221 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.28 V/m; Power Drift = -0.125 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.132 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.227 mW/g



0 dB = 0.227mW/g

Date/Time: 17/08/2009 6:23:01 AM

Test Laboratory: RTS
File Name:
Horizontal_Holster_Back_Headset1_GPRS1900_4_slots_low_chan_amb_temp_23.0C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: GPRS 1900 (4-slots); Frequency: 1850.2 MHz;Duty Cycle: 1:2.1
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.71, 4.71, 4.71); Calibrated: 12/01/2009
- 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) = 0.217 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.94 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.131 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.226 mW/g

0 dB = 0.226mW/g

Date/Time: 20/08/2009 5:00:01 PM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_802.11b_high_chan_amb_temp_23.3C_liq_temp_22.5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.96 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

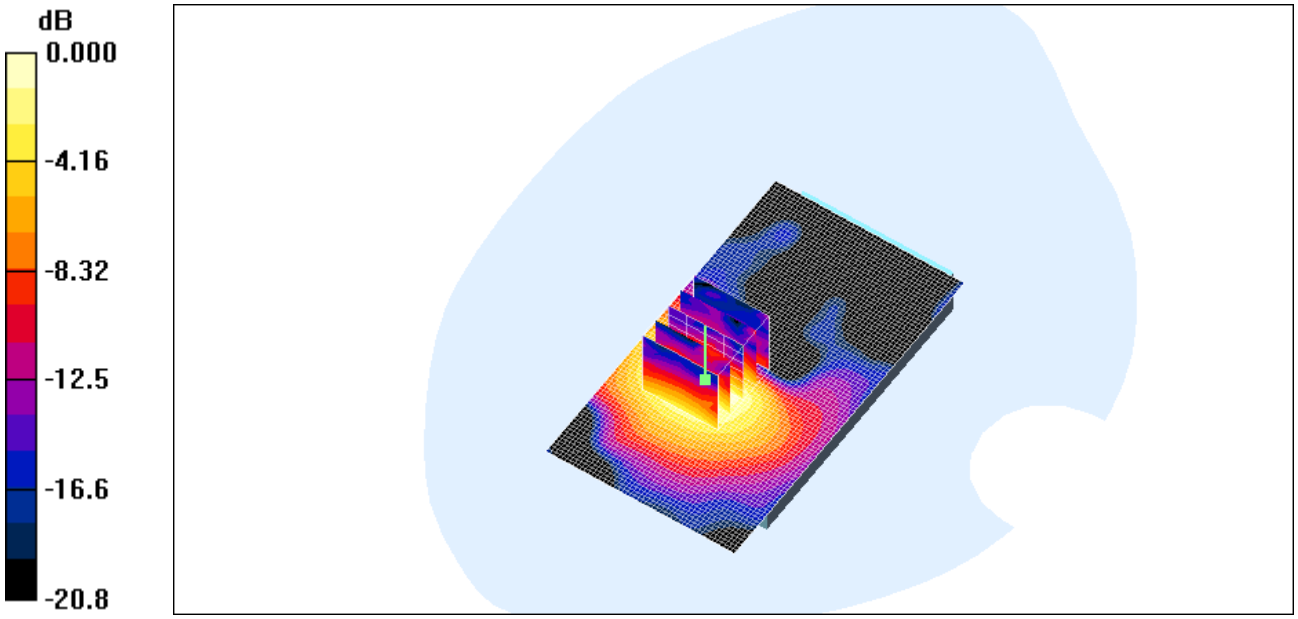
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.140 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.89 V/m; Power Drift = 0.462 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.059 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.127 mW/g



0 dB = 0.127mW/g

Date/Time: 20/08/2009 5:15:28 PM

Test Laboratory: RTS
File Name:
25mm_Spacer_Back_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.7C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30D08B26
Program Name: Compliance Testing: (Body worn)

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.96 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

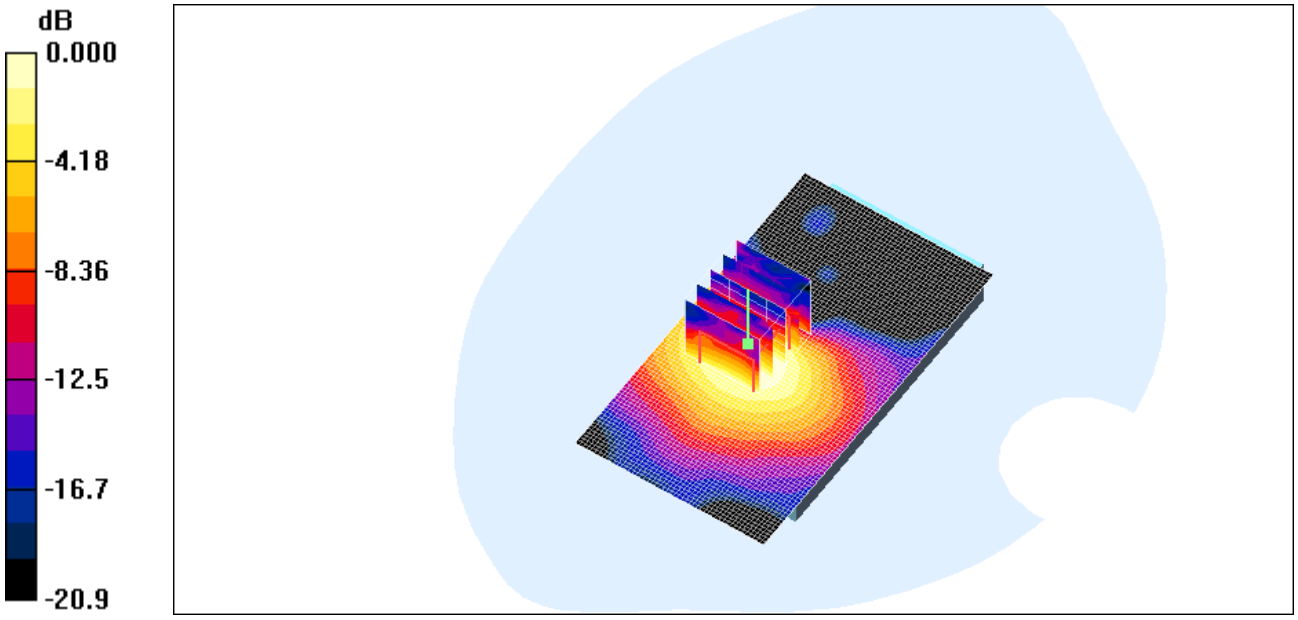
DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: 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) = 0.107 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.93 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.046 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.097 mW/g



0 dB = 0.097mW/g

Date/Time: 07/08/2009 12:30:42 AM

Test Laboratory: RTS
File Name:
Vertical_Holster_Back_Bluetooth_mid_chan_amb_temp_22.4C_liq_temp_21.6C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30C4355F
Program Name: Compliance Testing: (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.99 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- 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

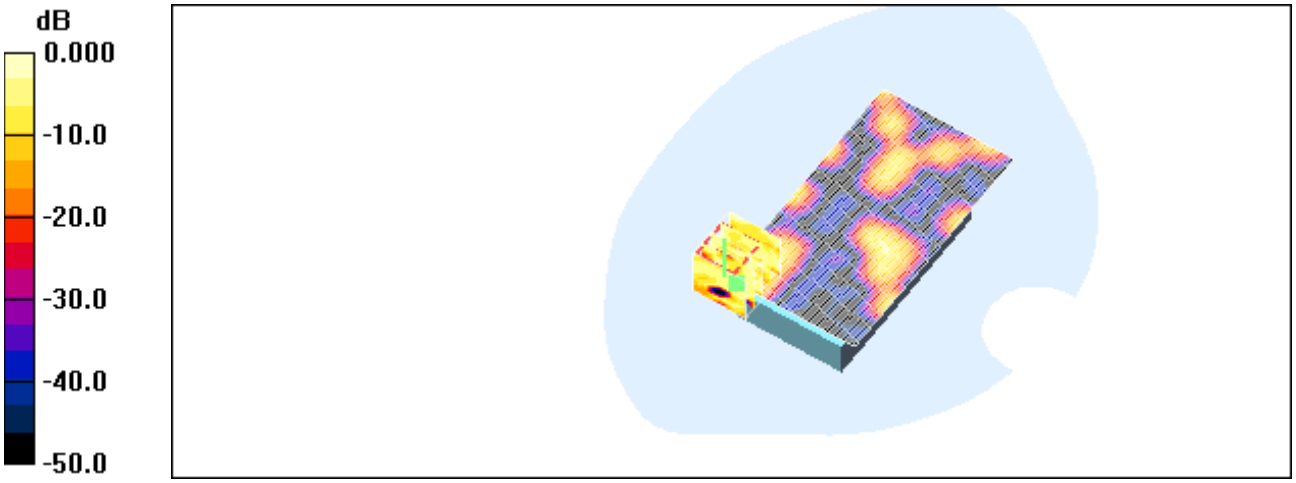
Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.007 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.899 V/m; Power Drift = 1.82 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00175 mW/g; SAR(10 g) = 0.000367 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.014 mW/g



0 dB = 0.014mW/g

Date/Time: 07/08/2009 1:35:14 AM

Test Laboratory: RTS
File Name: 25mm_Back_Bluetooth_mid_chan_amb_temp_23.3C_liq_temp_21.8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30C4355F
Program Name: Compliance Testing: (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.99 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1642; ConvF(4.02, 4.02, 4.02); Calibrated: 12/01/2009
- 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

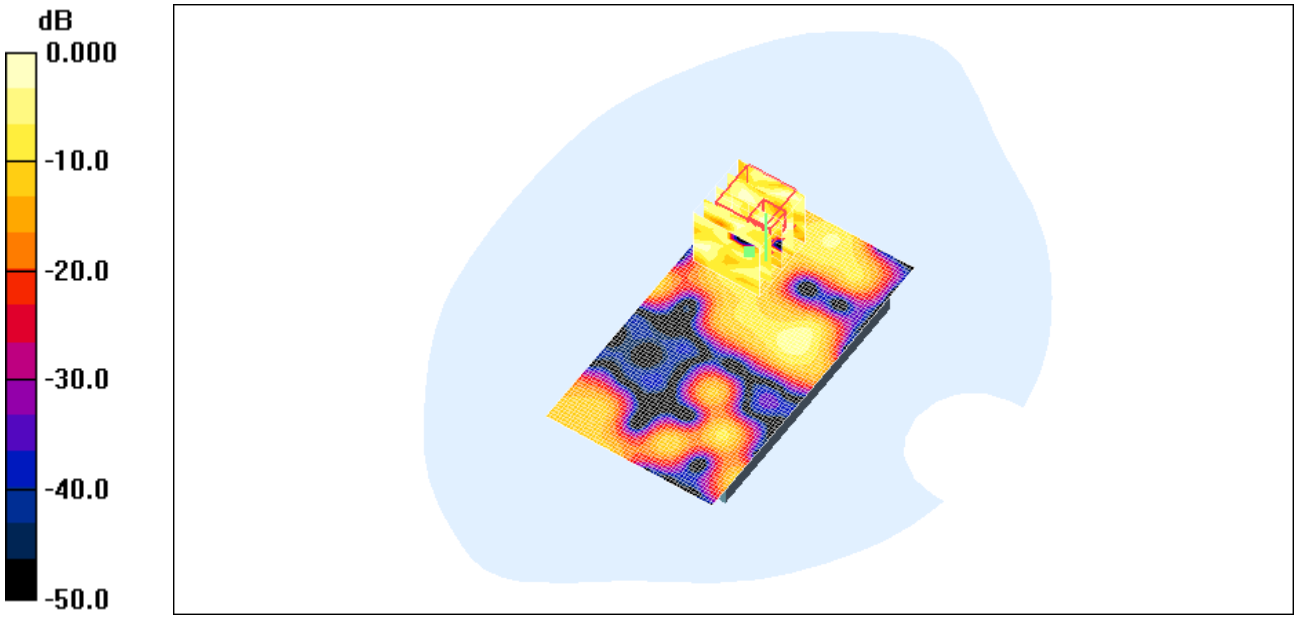
Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.014 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.02 V/m; Power Drift = 1.58 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.000542 mW/g; SAR(10 g) = 0.000124 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.018 mW/g



0 dB = 0.018mW/g

Z axis plot for the worst case body configuration: