APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

Date/Time: 03/01/2008 10:12:07 PM

Test Laboratory: RTS
File Name: DipoleValidation_835MHz_Amb_Tem_24_7_Liq_Tem_23_6_C.da4

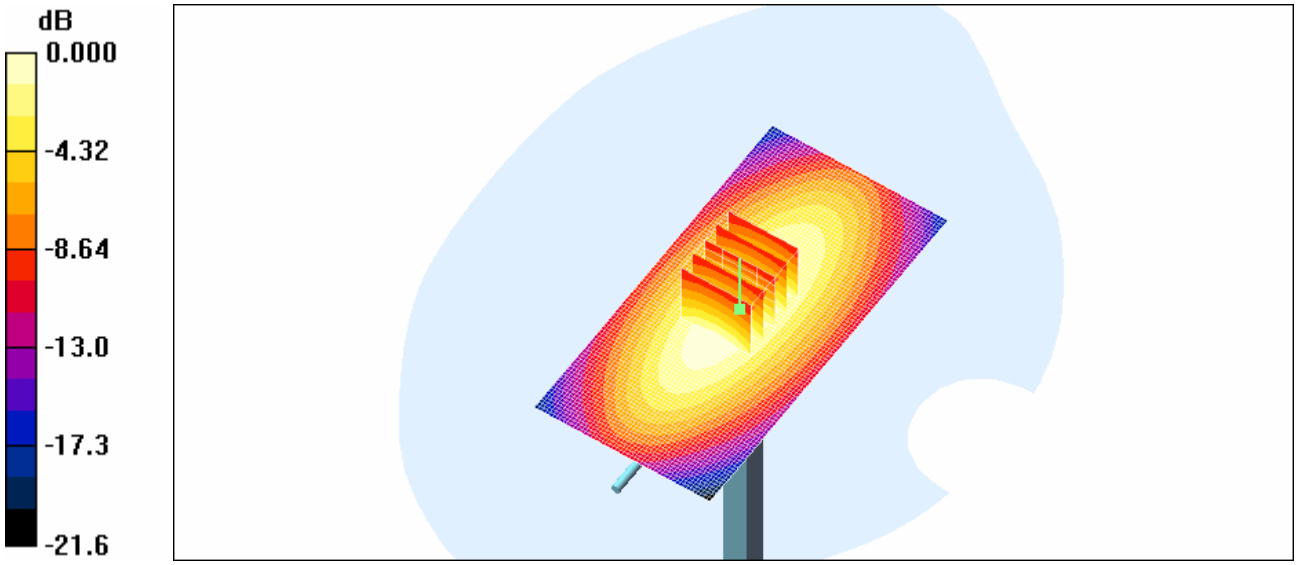
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Program Name: System Performance Check at 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.866 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.41, 6.41, 6.41); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 111.8 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 9.19 mW/g; SAR(10 g) = 6.02 mW/g
Maximum value of SAR (measured) = 9.94 mW/g

d=15mm, Pin=1000mW/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.95 mW/g



0 dB = 9.95mW/g

Date/Time: 02/01/2008 5:35:11 PM

Test Laboratory: RTS
File Name: DipoleValidation_1900MHz_Amb_Tem_24_4_Liq_Tem_23_0.da4

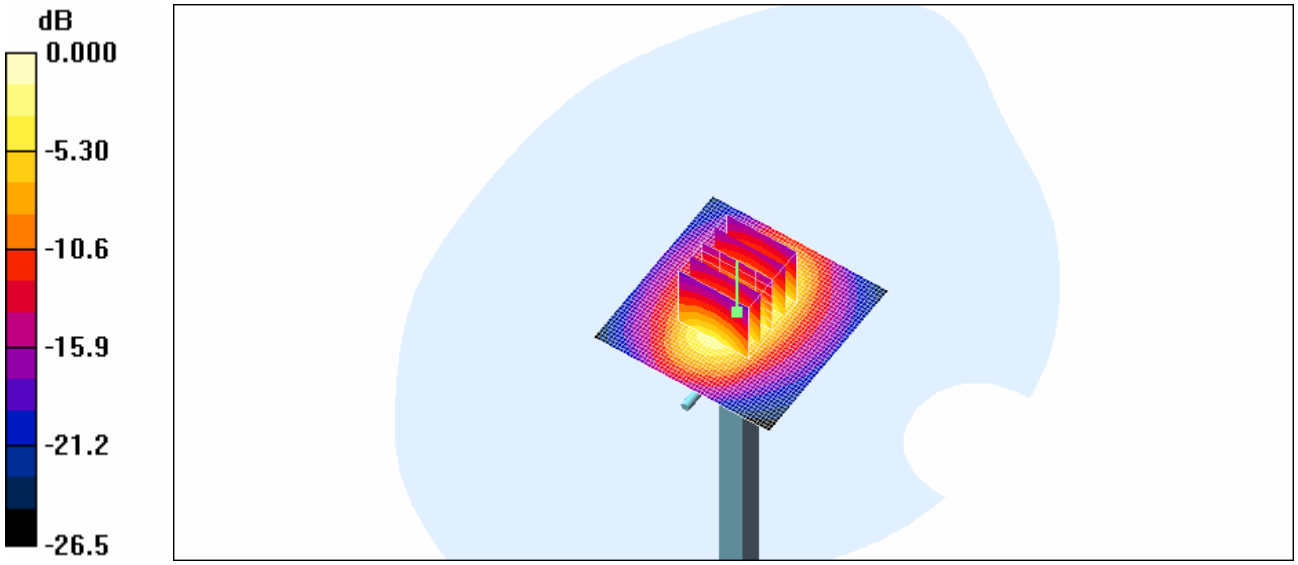
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545
Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.41 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 175.7 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 65.0 W/kg
SAR(1 g) = 36.1 mW/g; SAR(10 g) = 18.8 mW/g
Maximum value of SAR (measured) = 40.4 mW/g

d=15mm, Pin=1000mW/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 48.3 mW/g



0 dB = 48.3mW/g

Date/Time: 04/01/2008 6:07:20 PM

Test Laboratory: RTS
File Name: DipoleValidation_1900MHz_Amb_Tem_24_1_Liq_Tem_22_9.da4

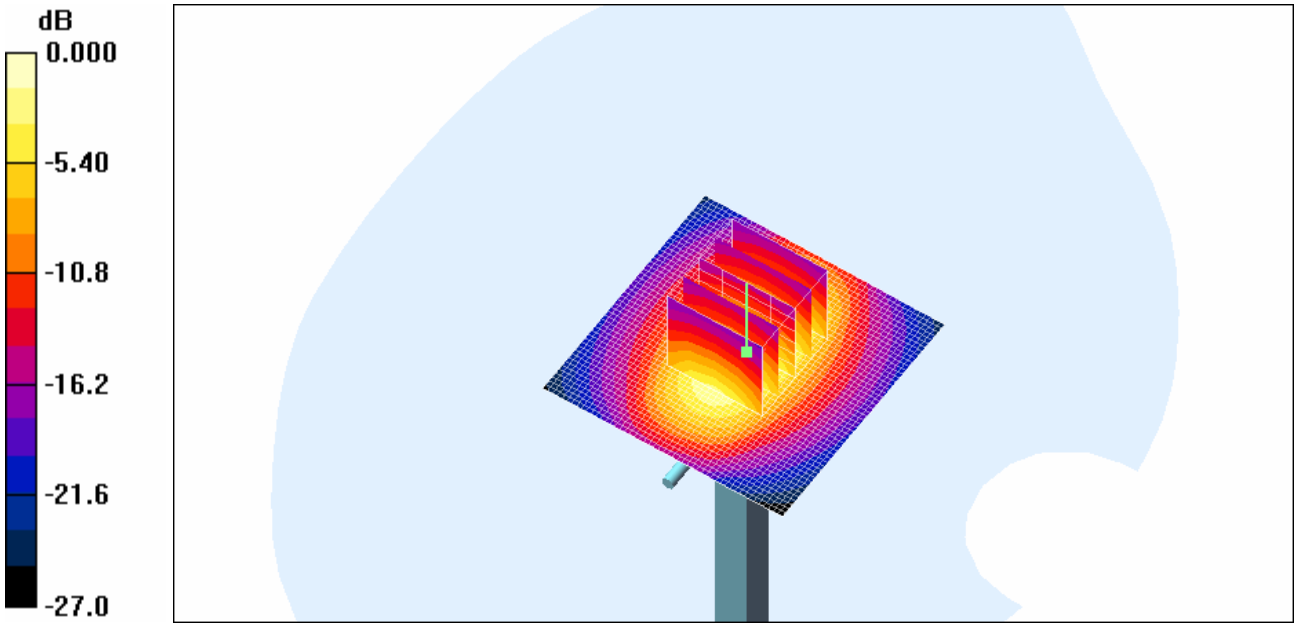
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545
Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.46 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 177.6 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 69.0 W/kg
SAR(1 g) = 38 mW/g; SAR(10 g) = 19.7 mW/g
Maximum value of SAR (measured) = 42.9 mW/g

d=15mm, Pin=1000mW/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 51.7 mW/g



0 dB = 51.7mW/g

APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Date/Time: 04/01/2008 11:47:16 AM

Test Laboratory: RTS
File Name: LeftHandSide_CDMA800_mid_chan_amb_temp_24_9_liq_temp_23_3C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.867 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section

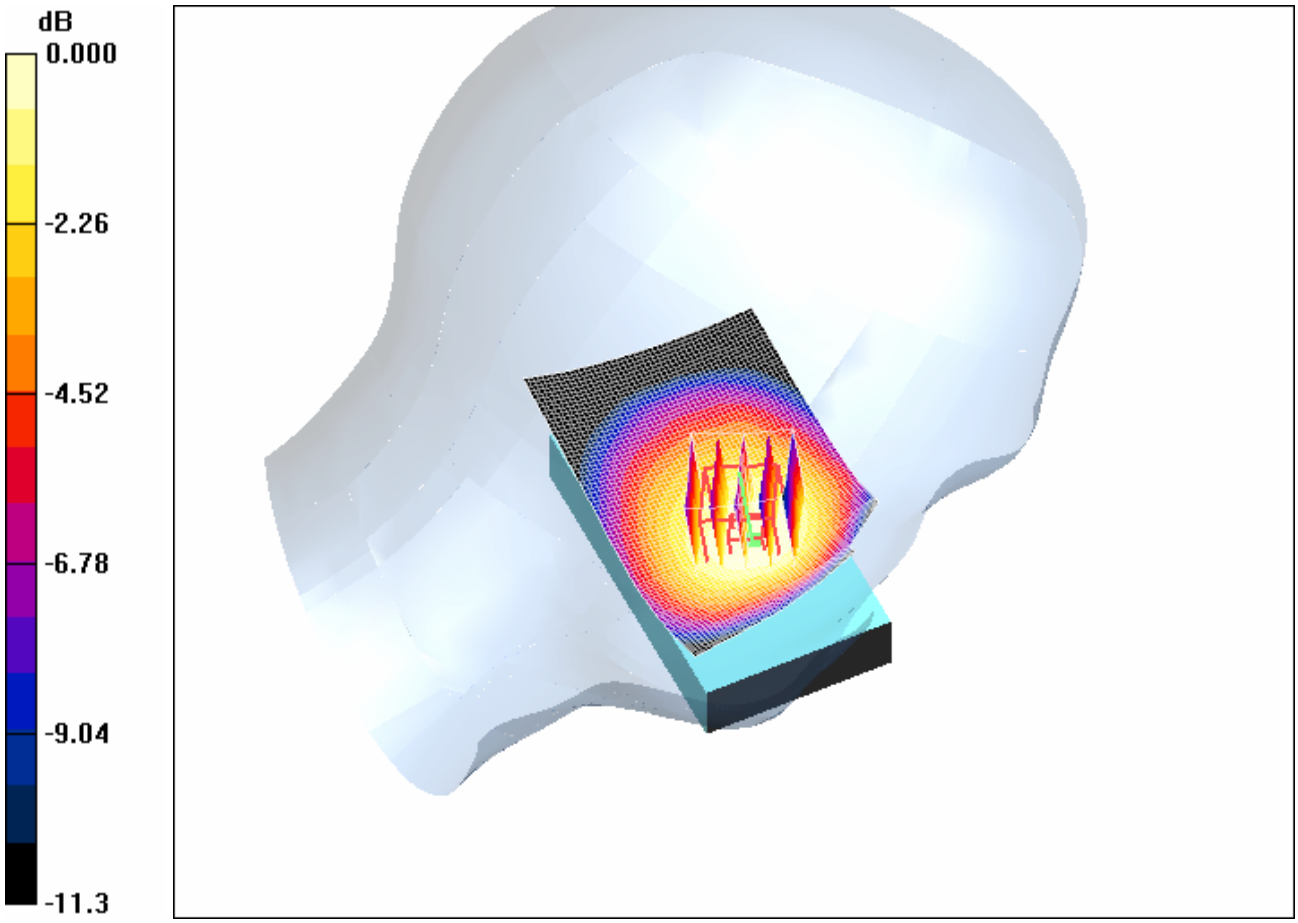
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.41, 6.41, 6.41); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.726 mW/g

Touch position - Mid_/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.494 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.706 mW/g



0 dB = 0.706mW/g

Date/Time: 04/01/2008 12:04:36 PM

Test Laboratory: RTS
File Name: LeftHandSide_Tilt_CDMA800_mid_chan_amb_temp_24_4_liq_temp_23_2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.867 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section

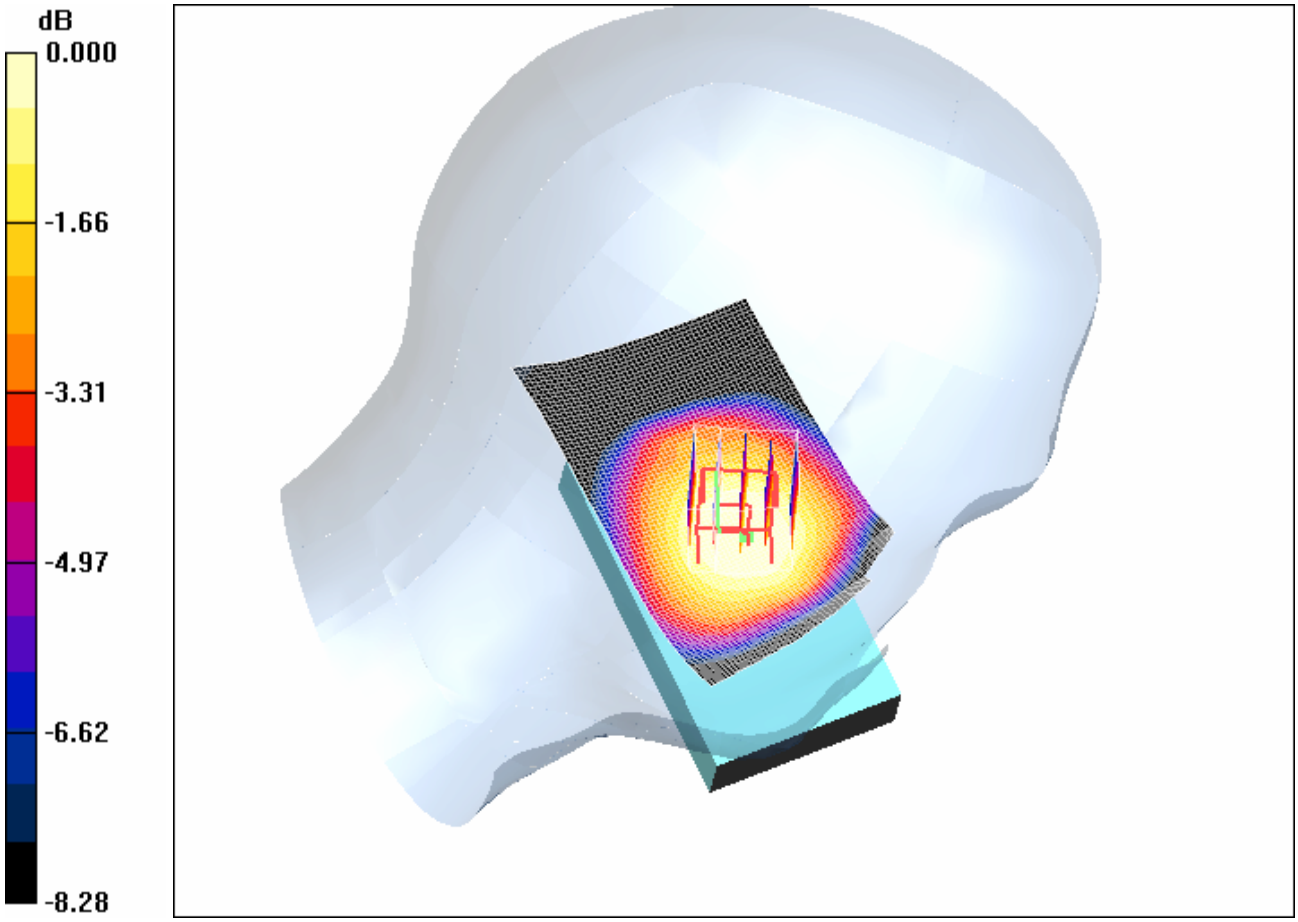
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.41, 6.41, 6.41); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.409 mW/g

Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.9 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.293 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.395 mW/g



0 dB = 0.395mW/g

Date/Time: 03/01/2008 11:01:49 PM

Test Laboratory: RTS
File Name: RightHandSide_CDMA800_mid_chan_amb_temp_24_4_liq_temp_23_1C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.867 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section

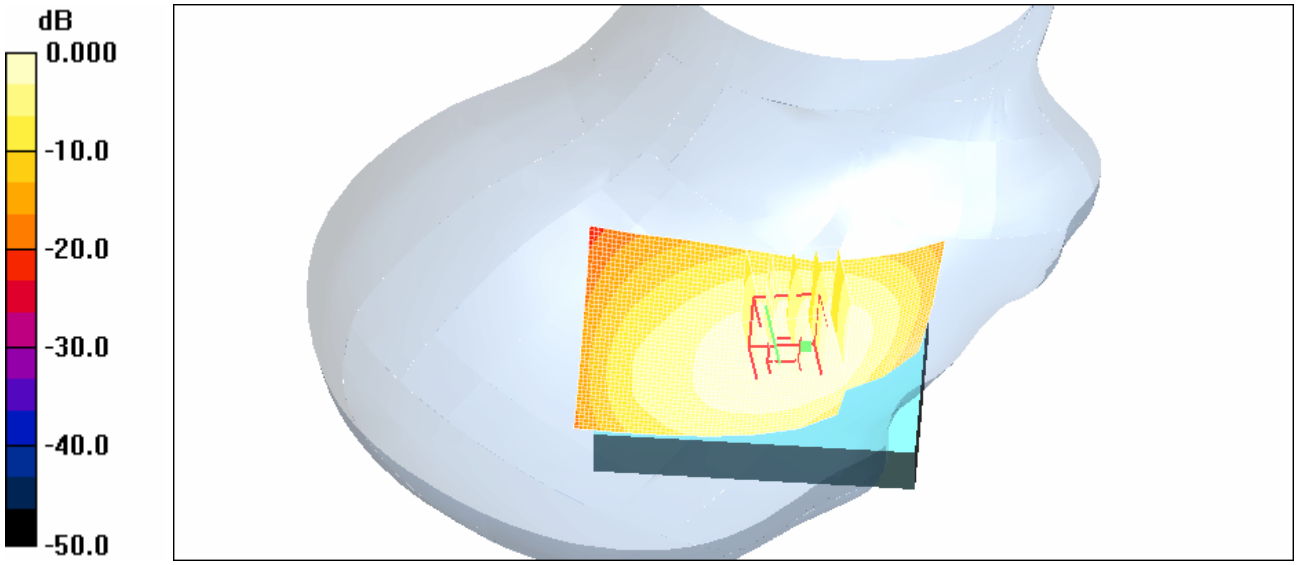
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.41, 6.41, 6.41); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.1 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.710 W/kg
SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.426 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.605 mW/g

Touch position - Mid_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.585 mW/g



0 dB = 0.585mW/g

Date/Time: 04/01/2008 12:06:46 AM

Test Laboratory: RTS
File Name: RightHandSide_Tilt_CDMA800_mid_chan_amb_temp_24_6_liq_temp_23_2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.867 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Right Section

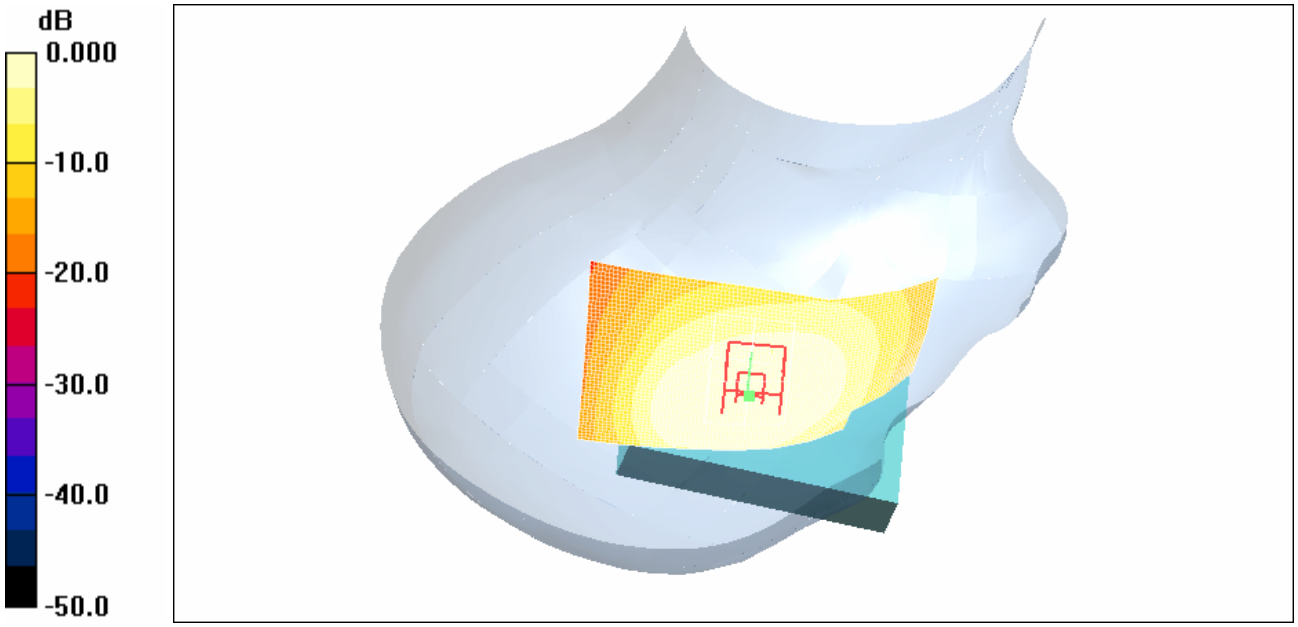
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.41, 6.41, 6.41); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.384 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.241 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.338 mW/g

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.337 mW/g



0 dB = 0.337mW/g

Date/Time: 02/01/2008 6:29:21 PM

Test Laboratory: RTS
File Name: LeftHandSide_CDMA1900_mid_chan_amb_temp_24_4_liq_temp_23_3C.da4

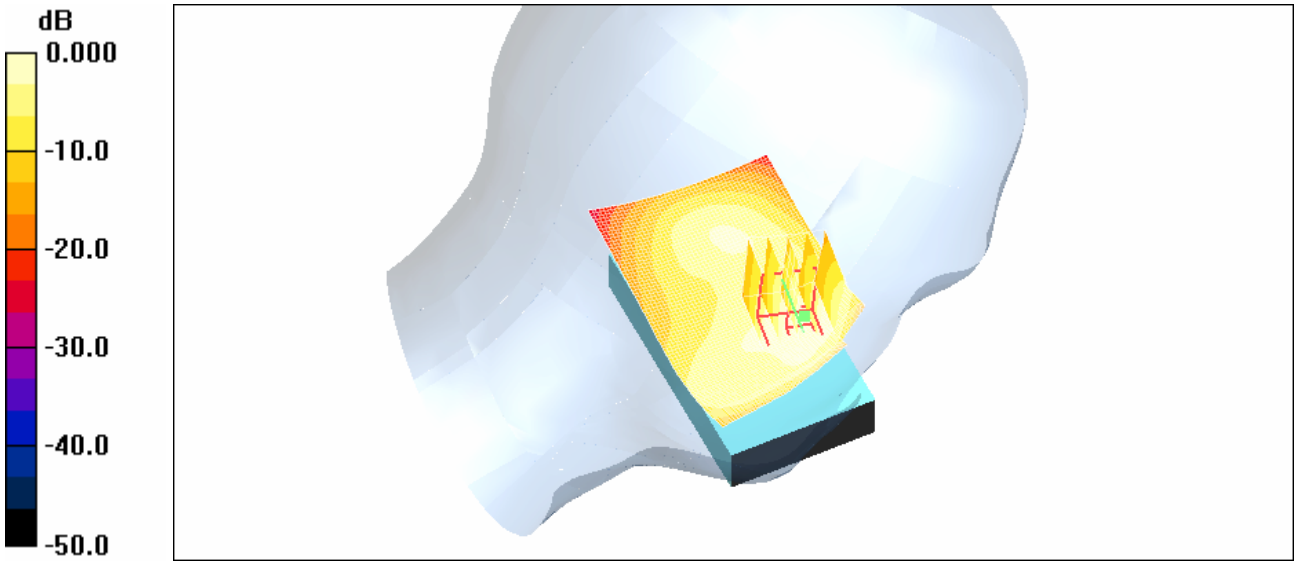
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.3 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.606 mW/g
Maximum value of SAR (measured) = 1.10 mW/g

Touch position - Mid_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 mW/g



0 dB = 1.02mW/g

Date/Time: 02/01/2008 7:52:59 PM

Test Laboratory: RTS
File Name: LeftHandSide_Tilt_CDMA1900_mid_chan_amb_temp_24_0_liq_temp_22_9C.da4

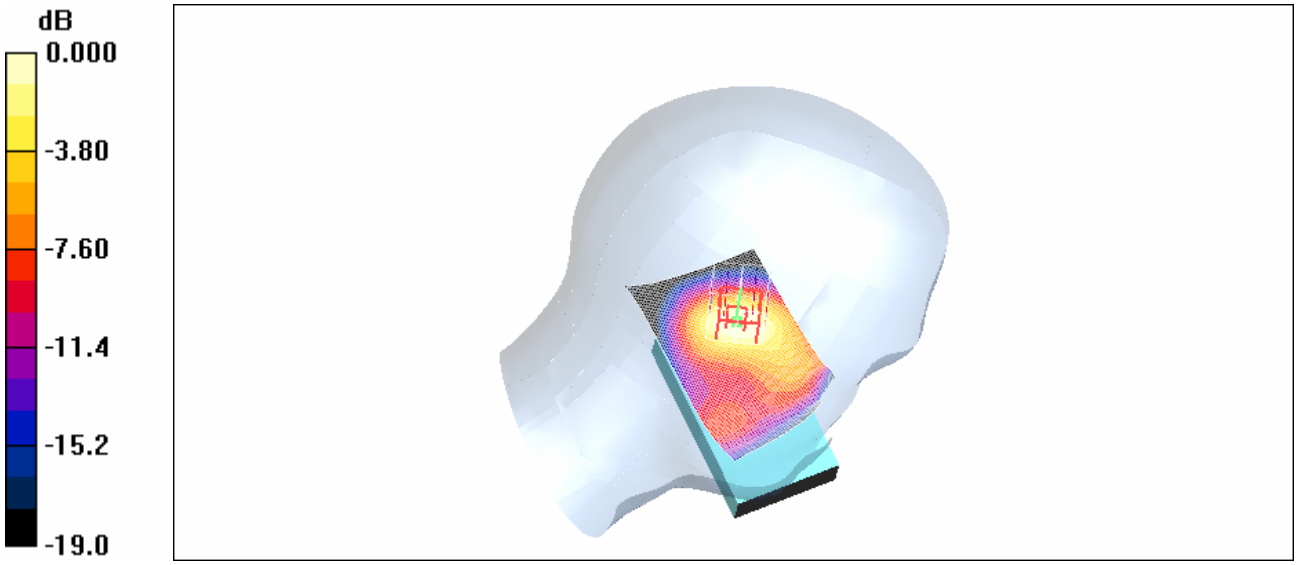
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.863 mW/g

Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.4 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.415 mW/g
Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.814mW/g

Date/Time: 04/01/2008 6:40:05 PM

Test Laboratory: RTS
File Name: RightHandSide_CDMA1900_mid_chan_amb_temp_24_2_liq_temp_22_9.da4

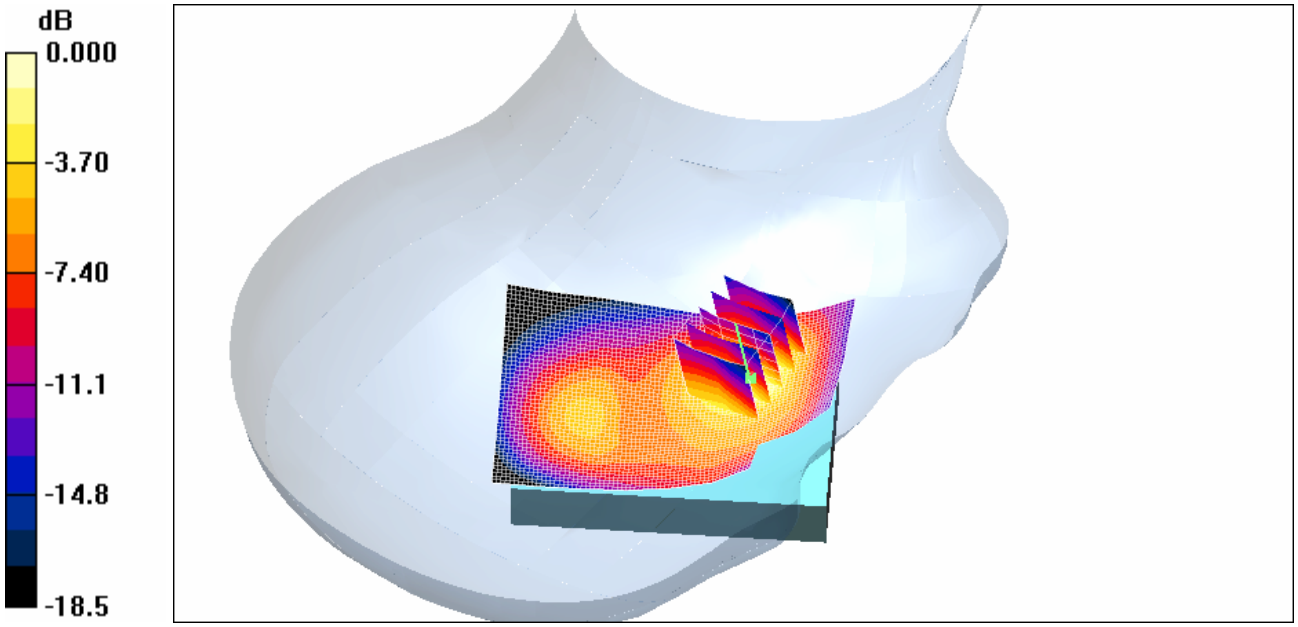
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.48 mW/g

Touch position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.5 mW/g; SAR(10 g) = 0.873 mW/g
Maximum value of SAR (measured) = 1.64 mW/g



0 dB = 1.64mW/g

Date/Time: 02/01/2008 10:26:14 PM

Test Laboratory: RTS
File Name: RightHandSide_Tilt_CDMA1900_mid_chan_amb_temp_24_0_liq_temp_23_0C.da4

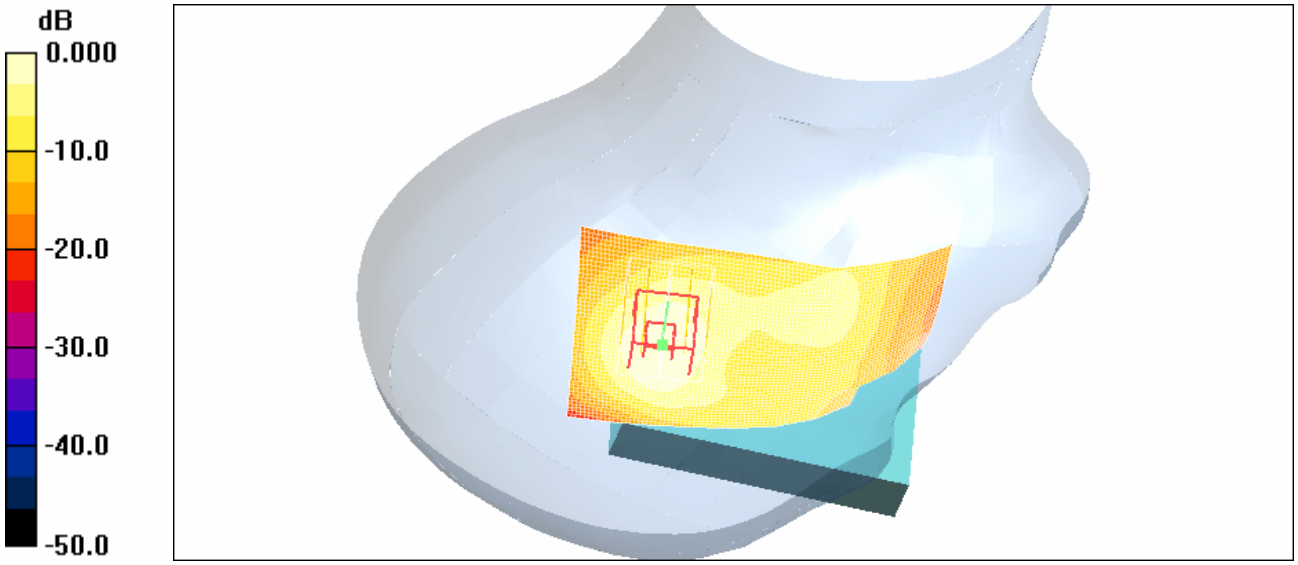
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 38.1; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Tilt position - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.1 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 0.775 mW/g

Tilt position - Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.815 mW/g



0 dB = 0.815mW/g

Date/Time: 04/01/2008 6:25:23 PM

Test Laboratory: RTS
File Name: RightHandSide_BT_CDMA1900_mid_chan_amb_temp_24_0_liq_temp_22_8.da4

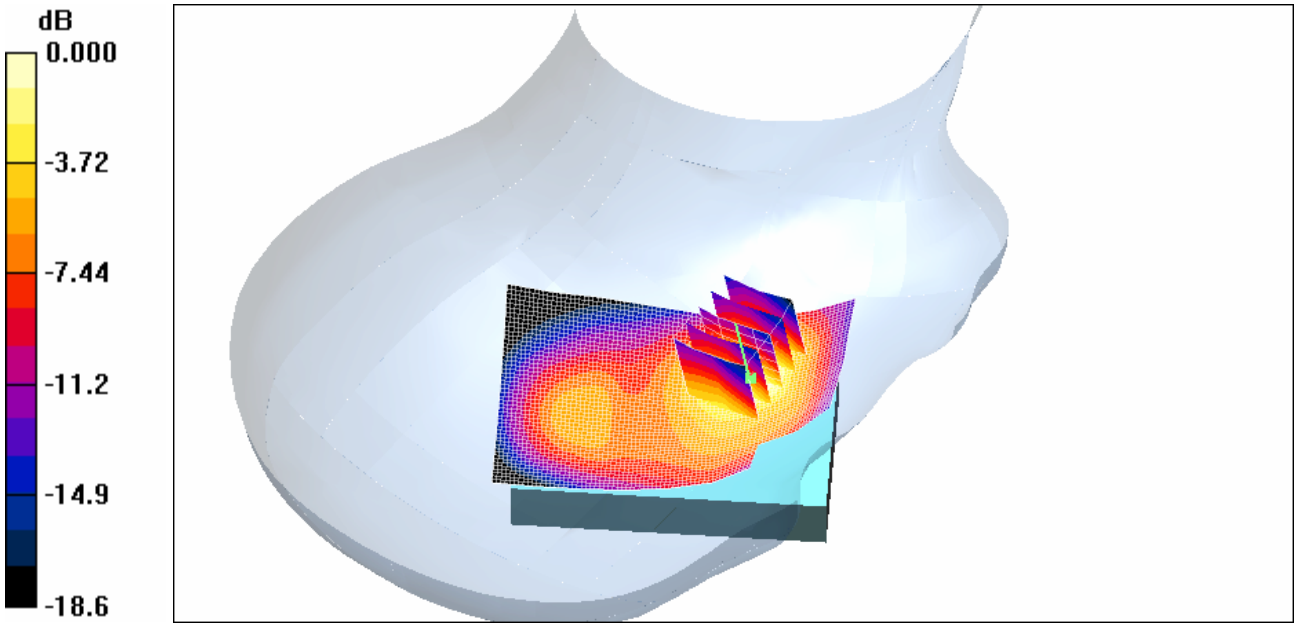
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.24, 5.24, 5.24); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

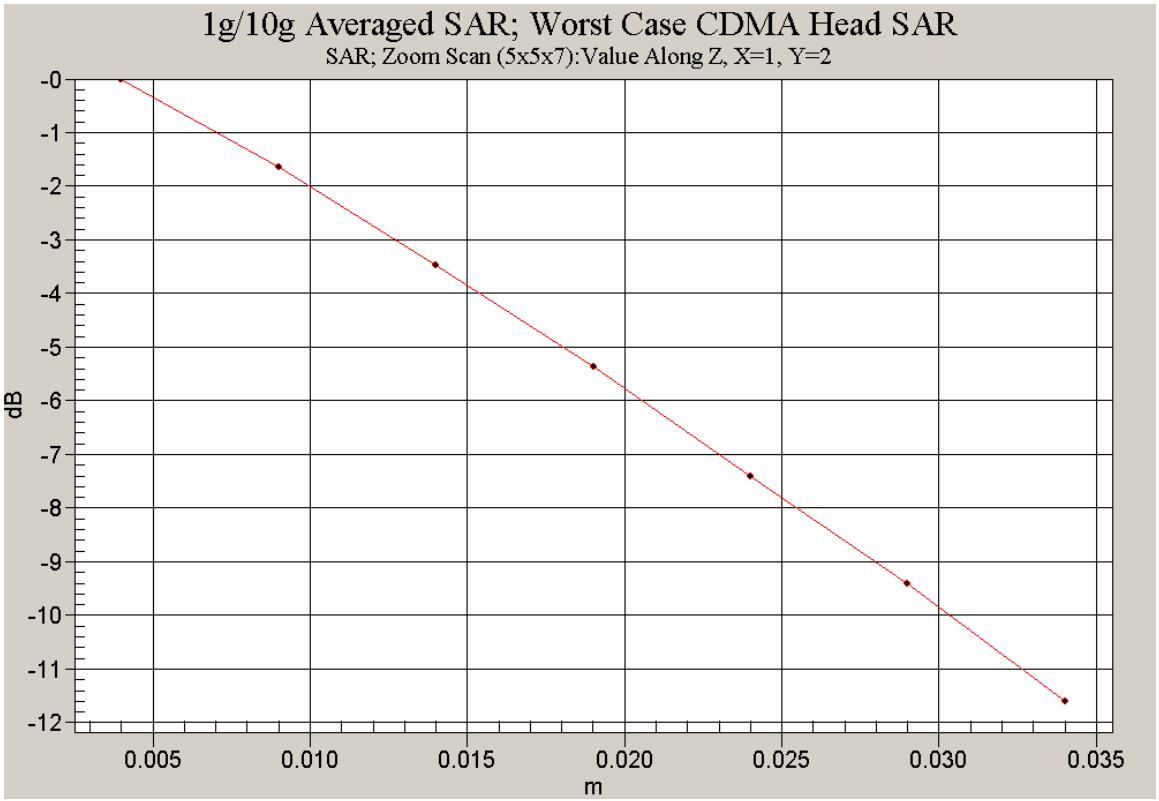
Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.74 mW/g

Touch position - Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 0.894 mW/g
Maximum value of SAR (measured) = 1.69 mW/g



0 dB = 1.69mW/g

Z axis plot for the worst case head configuration:



APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 04/01/2008 12:48:40 PM

Test Laboratory: RTS
File Name:
LeatherS_Holster_Back_CDMA800_mid_Chan_Amb_Tem_24_6_Liq_Tem_23_4C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

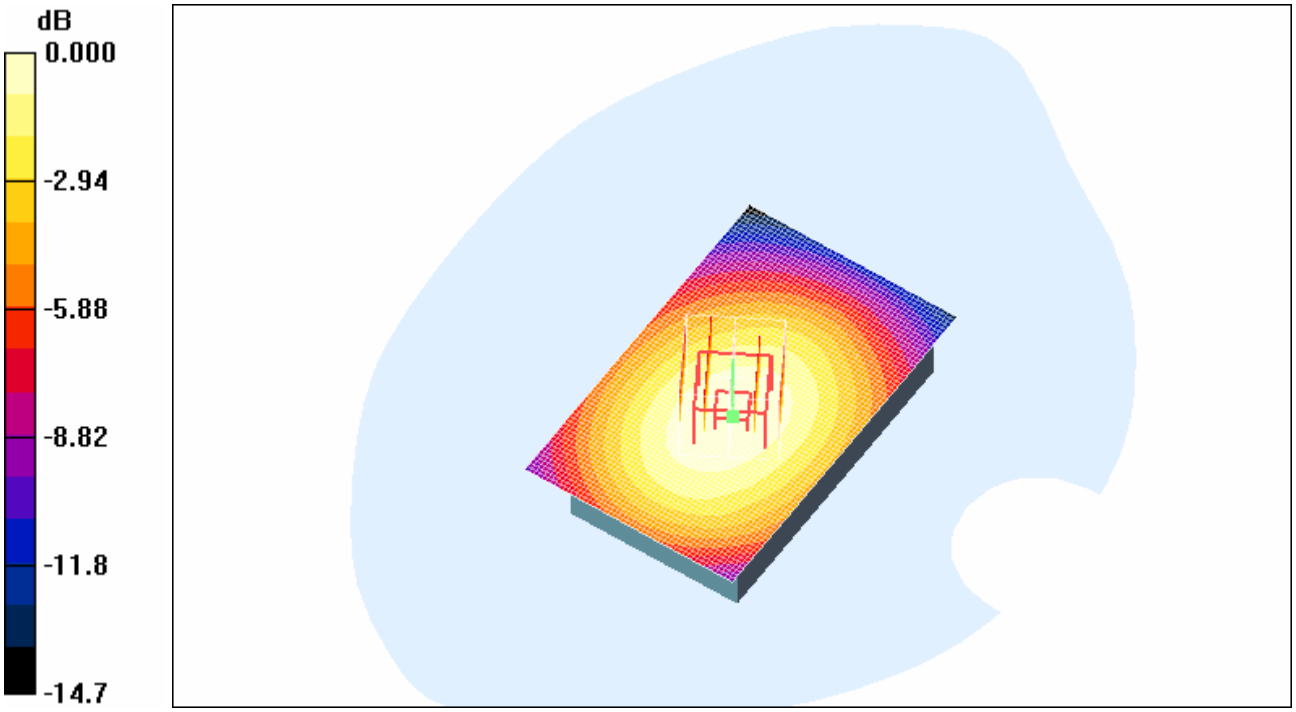
Communication System: CDMA 800; Frequency: 836.52 MHzFrequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3 Medium parameters used: f = 825 MHz; σ = 0.932 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.3 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.778 W/kg
SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.455 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.660 mW/g

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.624 mW/g



0 dB = 0.624mW/g

Date/Time: 04/01/2008 2:25:04 PM

Test Laboratory: RTS
File Name:
LeatherS_Trd2_Holster_Back_CDMA800_mid_Chan_Amb_Tem_24_7_Liq_Tem_23_2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

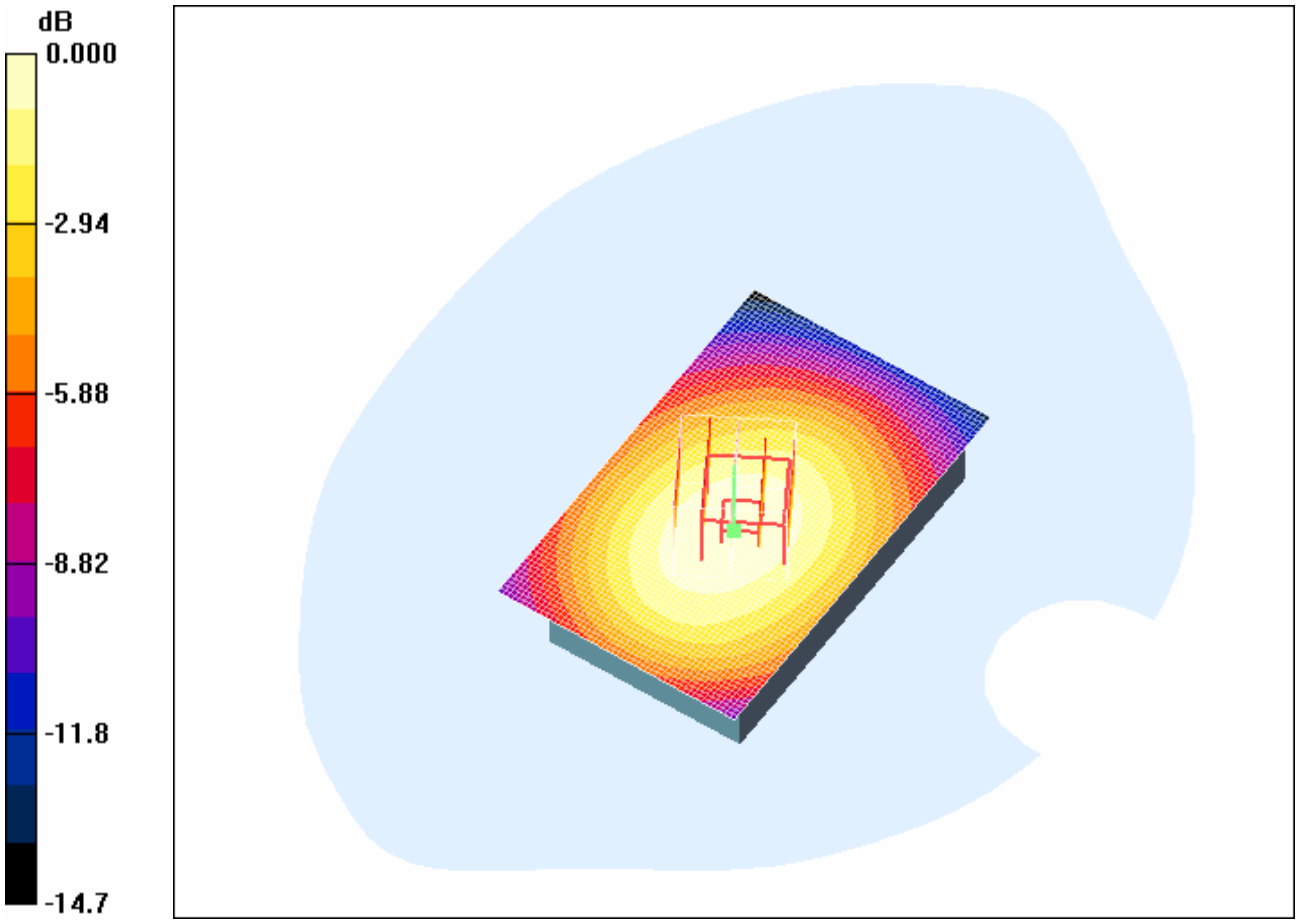
Communication System: CDMA 800; Frequency: 836.52 MHzFrequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3 Medium parameters used: f = 825 MHz; σ = 0.932 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.2 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 0.760 W/kg
SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.445 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.642 mW/g

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.624 mW/g



0 dB = 0.624mW/g

Date/Time: 04/01/2008 2:42:31 PM

Test Laboratory: RTS
File Name: Pot_Holster_Back_CDMA800_mid_Chan_Amb_Tem_24_2_Liq_Tem_23_0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section

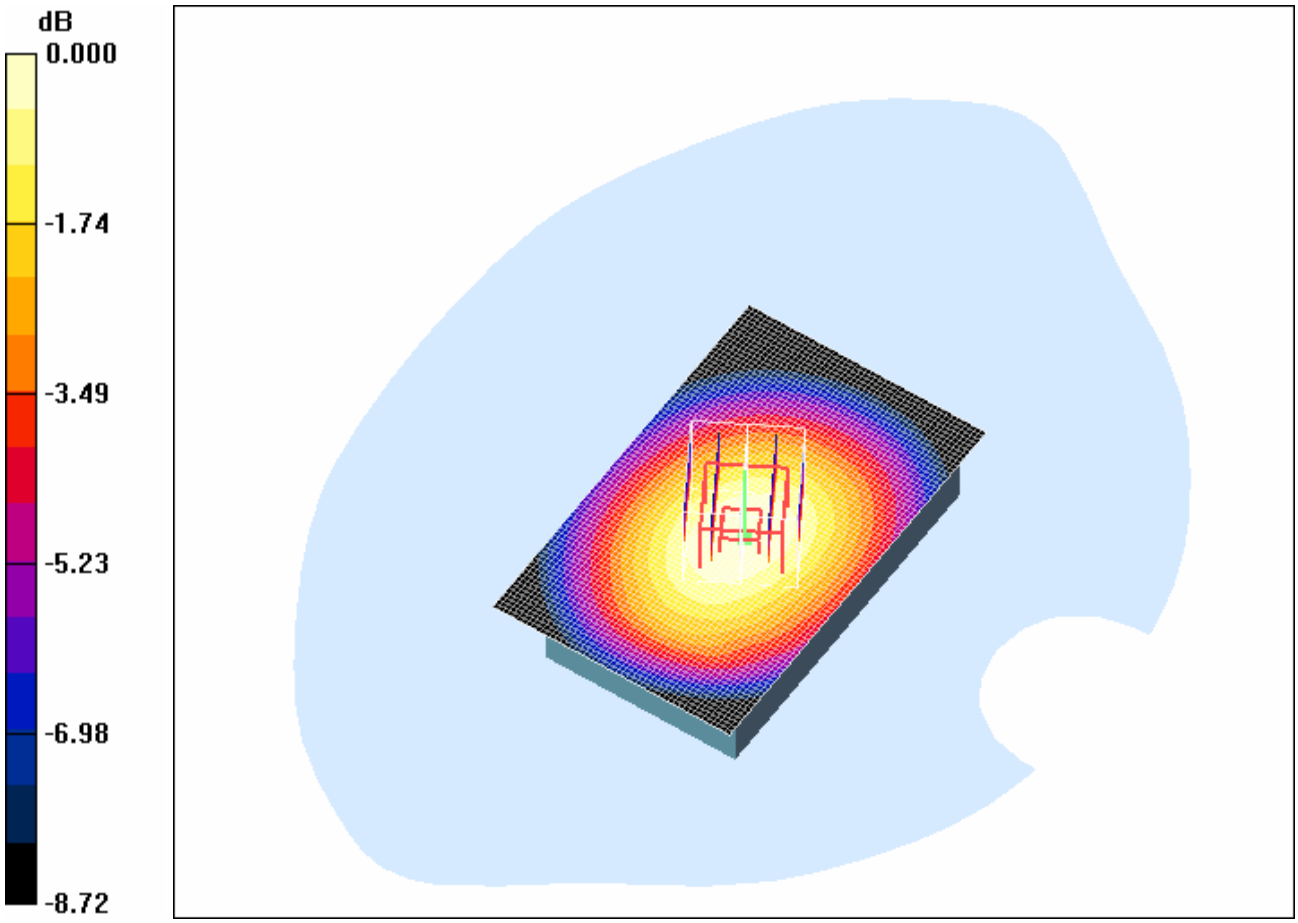
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.775 mW/g

Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.9 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.909 W/kg
SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.528 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.764 mW/g



0 dB = 0.764mW/g

Date/Time: 04/01/2008 3:03:11 PM

Test Laboratory: RTS
File Name:
Pot_Holster_headset_Back_CDMA800_mid_Chan_Amb_Tem_24_2_Liq_Tem_22_8C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section

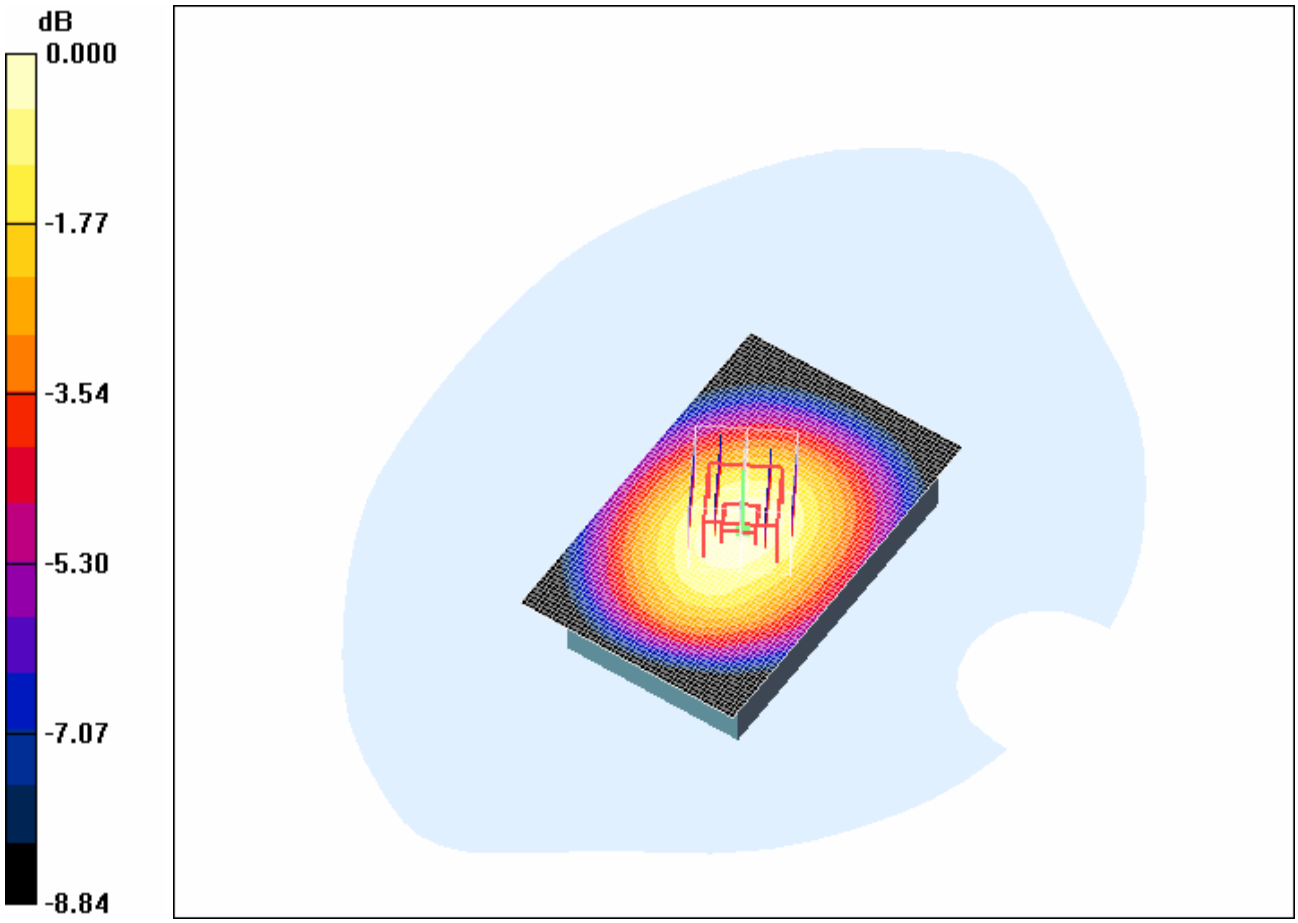
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.630 mW/g

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.5 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.437 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.642 mW/g



0 dB = 0.642mW/g

Date/Time: 04/01/2008 3:19:42 PM

Test Laboratory: RTS
File Name: Pot_Holster_Front_CDMA800_mid_Chan_Amb_Tem_24_4_Liq_Tem_22_7C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section

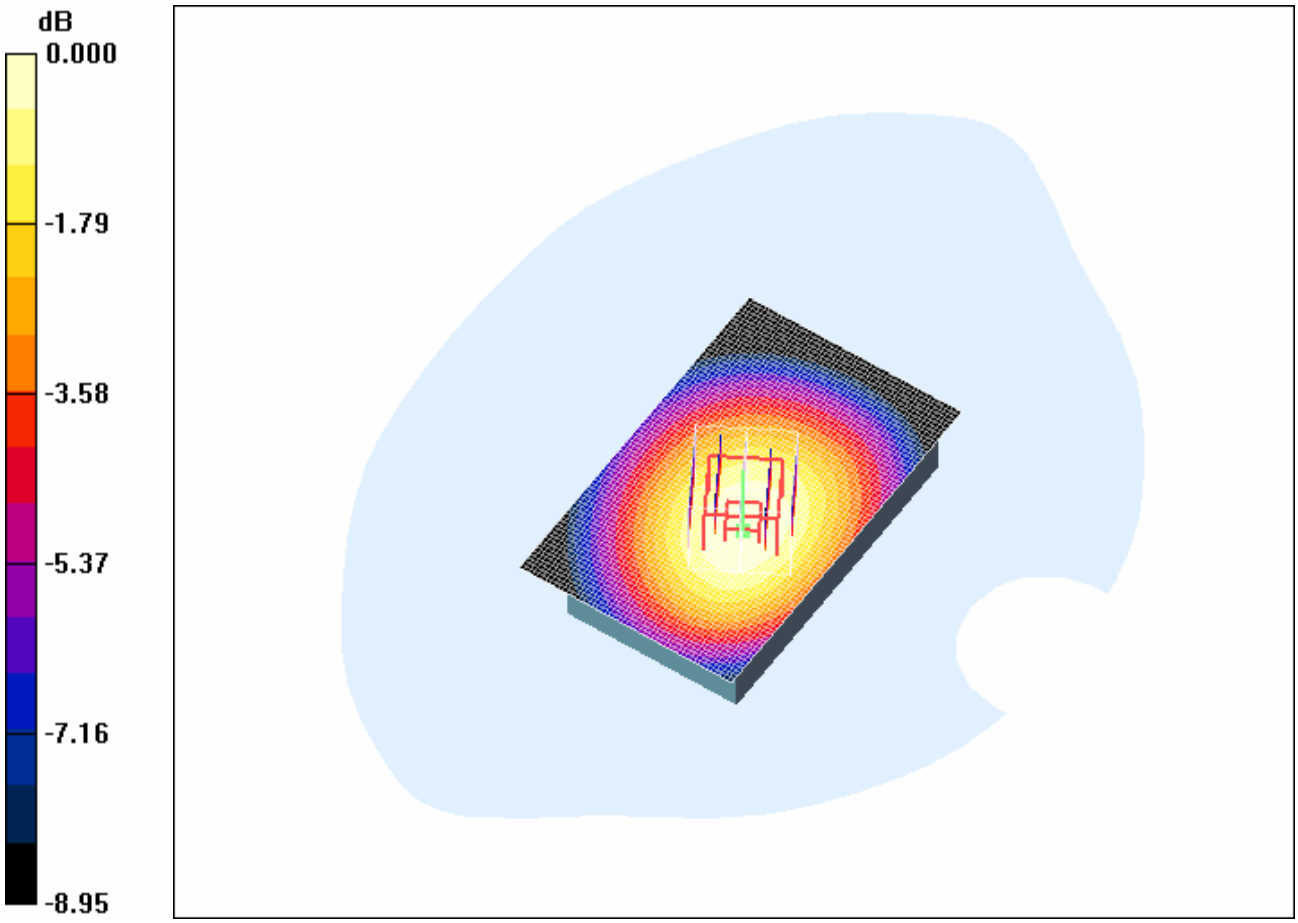
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.605 mW/g

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.9 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.421 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.606 mW/g



0 dB = 0.606mW/g

Date/Time: 04/01/2008 3:35:35 PM

Test Laboratory: RTS
File Name:
BodyWorn_25mm_space_back_CDMA800_mid_Chan_Amb_Tem_24_4_Liq_Tem_22_7C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.943 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Phantom section: Flat Section

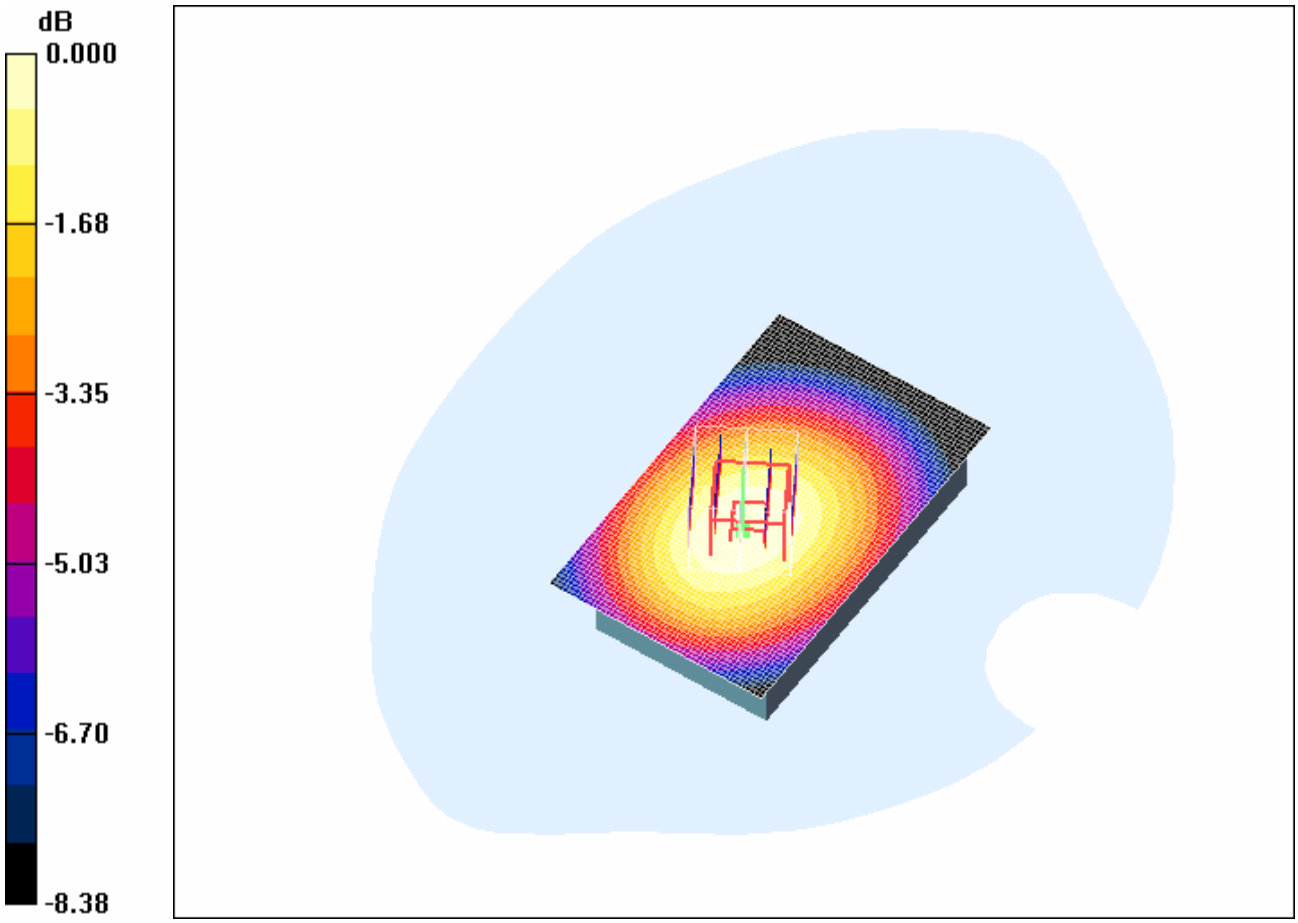
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.410 mW/g

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.5 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.285 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.407 mW/g



0 dB = 0.407mW/g

Date/Time: 03/01/2008 12:41:39 PM

Test Laboratory: RTS
File Name:
LeatherS_Holster_Back_CDMA1900_high_Chan_Amb_Tem_24_4_Liq_Tem_23_6C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

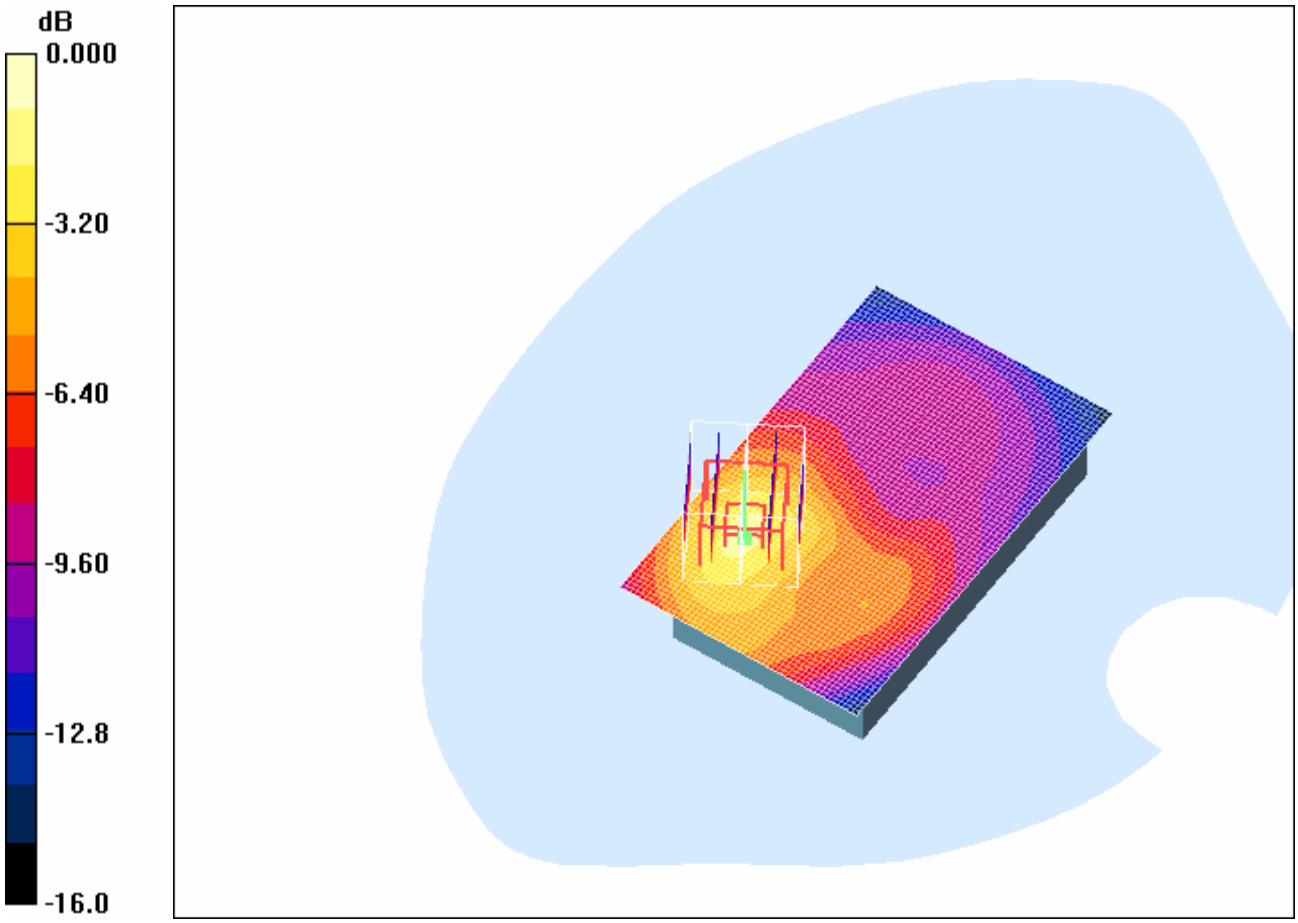
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.96 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.477 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.909 mW/g

Touch position - High_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.613 mW/g



0 dB = 0.909mW/g

Date/Time: 03/01/2008 2:17:03 PM

Test Laboratory: RTS
File Name:
LeatherS_Trd2_Holster_Back_CDMA1900_high_Chan_Amb_Tem_23_4_Liq_Tem_22_5C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

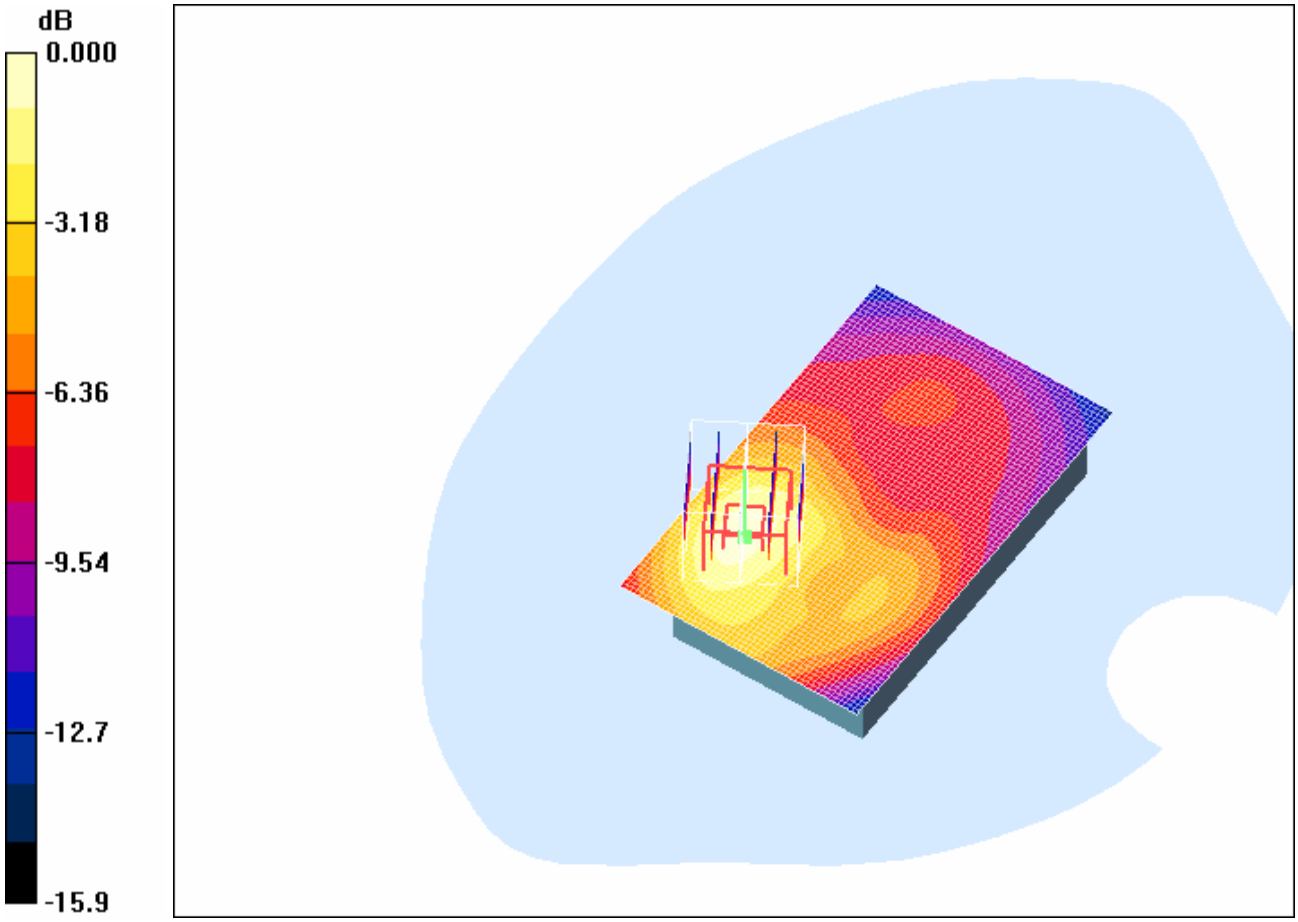
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.04 V/m; Power Drift = 0.227 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.350 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.660 mW/g

Touch position - High_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.613 mW/g



0 dB = 0.660mW/g

Date/Time: 03/01/2008 2:29:33 PM

Test Laboratory: RTS
File Name: Pot_Holster_Back_CDMA1900_high_Chan_Amb_Tem_24_4_Liq_Tem_22_0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

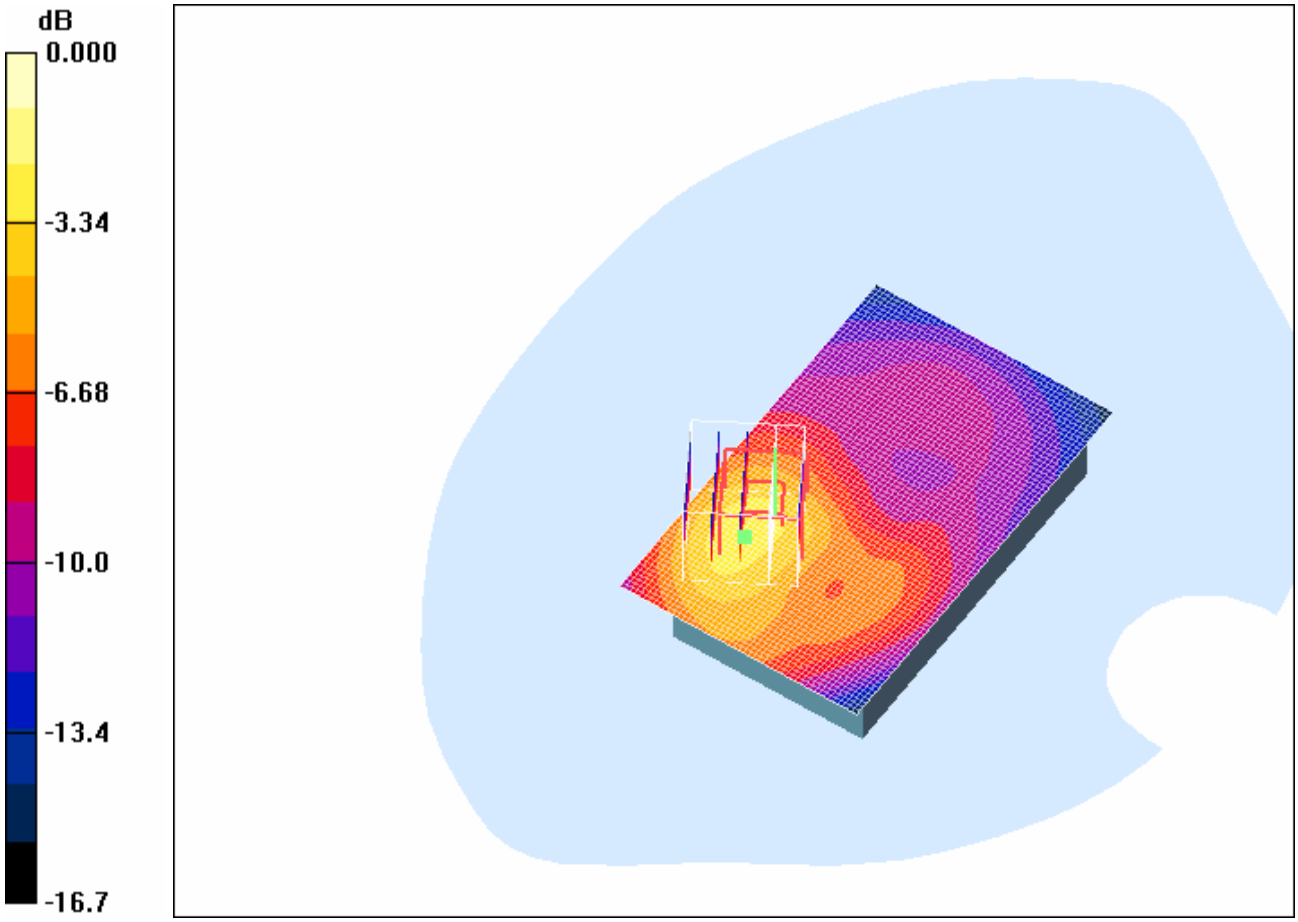
Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.552 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.03 mW/g

Touch position - High_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.613 mW/g



0 dB = 1.03mW/g

Date/Time: 03/01/2008 2:43:27 PM

Test Laboratory: RTS
File Name: Pot_Holster_Fornt_CDMA1900_high_Chan_Amb_Tem_24_2_Liq_Tem_22_2C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

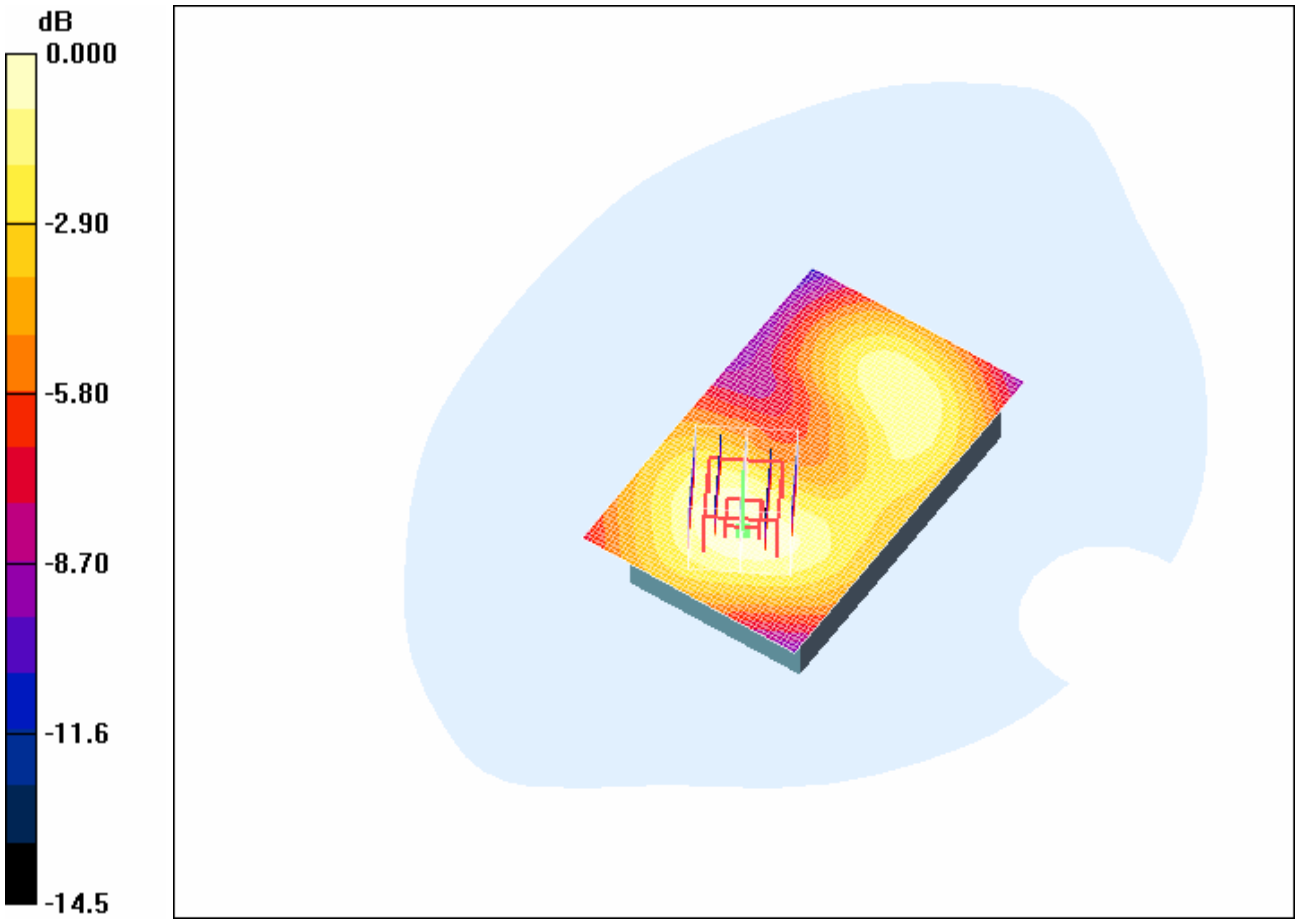
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High_/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.366 mW/g

Touch position - High_/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.64 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.210 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.370 mW/g



0 dB = 0.370mW/g

Date/Time: 03/01/2008 4:14:07 PM

Test Laboratory: RTS
File Name:
Pot_Holster_Back_BT_CDMA1900_high_Chan_Amb_Tem_23_7_Liq_Tem_22_3C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

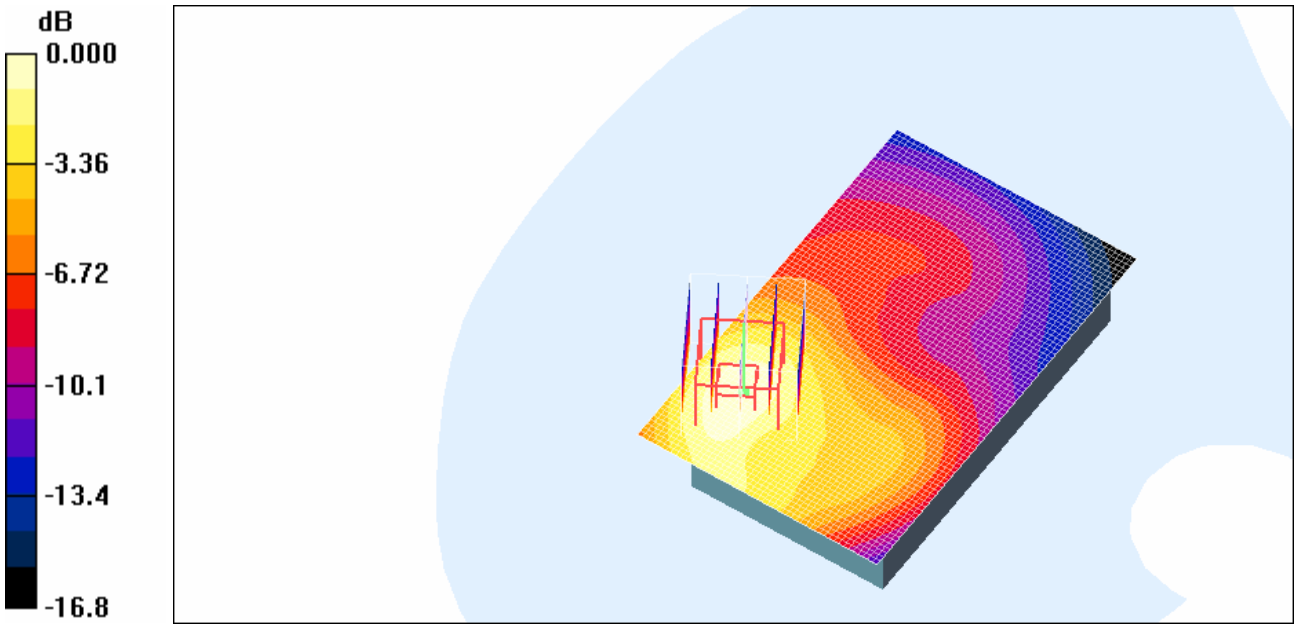
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.951 mW/g

Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.64 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.498 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.953 mW/g



0 dB = 0.953mW/g

Date/Time: 03/01/2008 4:40:06 PM

Test Laboratory: RTS
File Name:
Pot_Holster_Back_headset_CDMA1900_high_Chan_Amb_Tem_23_5_Liq_Tem_22_1C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

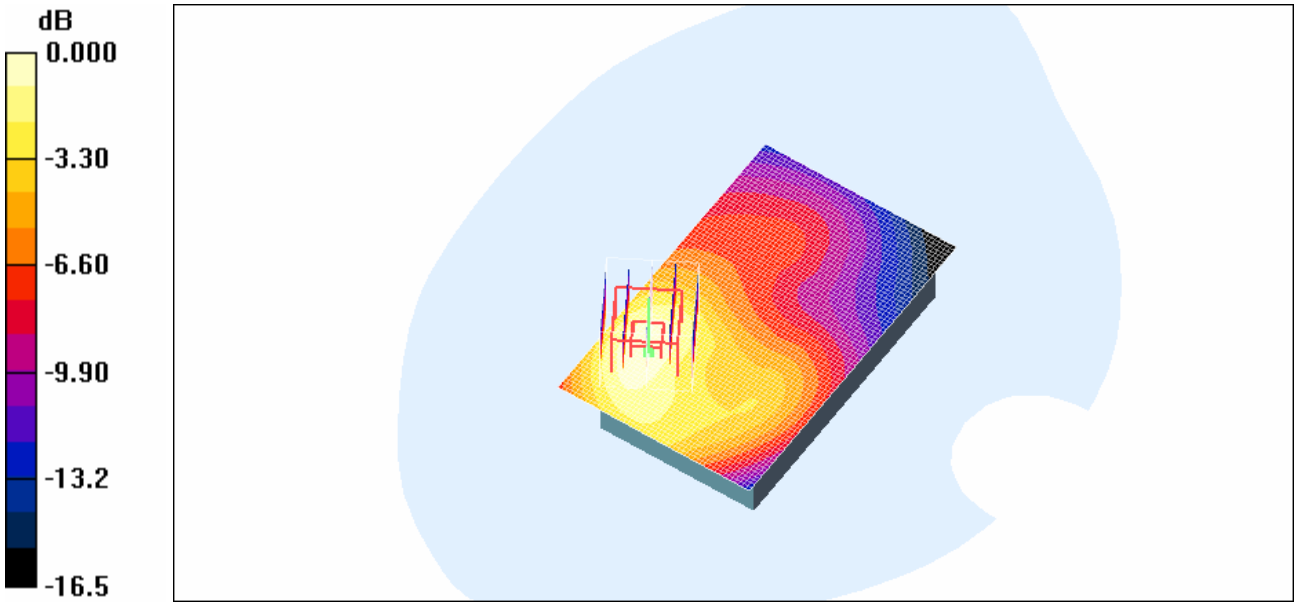
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.878 mW/g

Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.6 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.455 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.856 mW/g



0 dB = 0.856mW/g

Date/Time: 03/01/2008 5:01:45 PM

Test Laboratory: RTS
File Name: 25mm_spacing_CDMA1900_high_Chan_Amb_Tem_23_4_Liq_Tem_22_0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 1015411005
Program Name: Compliance Testing: P1528 Protocol

Communication System: CDMA 1900; Frequency: 1908.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1908.5 MHz; σ = 1.57 mho/m; ε_r = 50.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

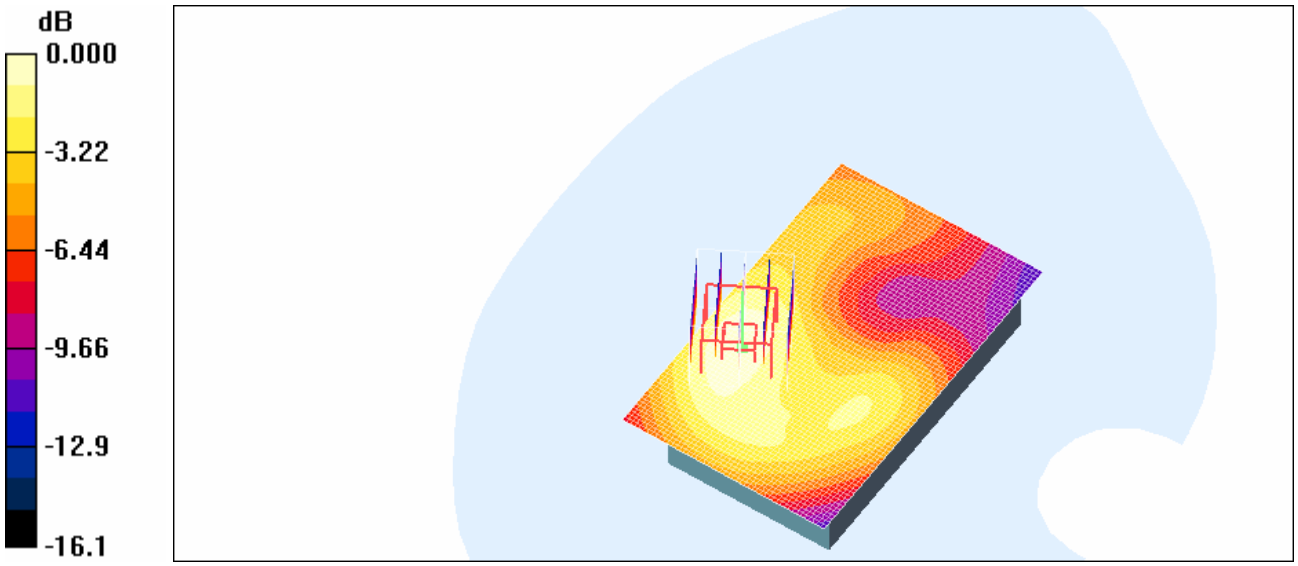
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.75, 4.75, 4.75); Calibrated: 12/11/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 07/03/2007
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Touch position - High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.375 mW/g

Touch position - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.81 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.206 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.376 mW/g



0 dB = 0.376mW/g

Z axis plot for the worst case body worn configuration: