APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

Test Laboratory: RTS

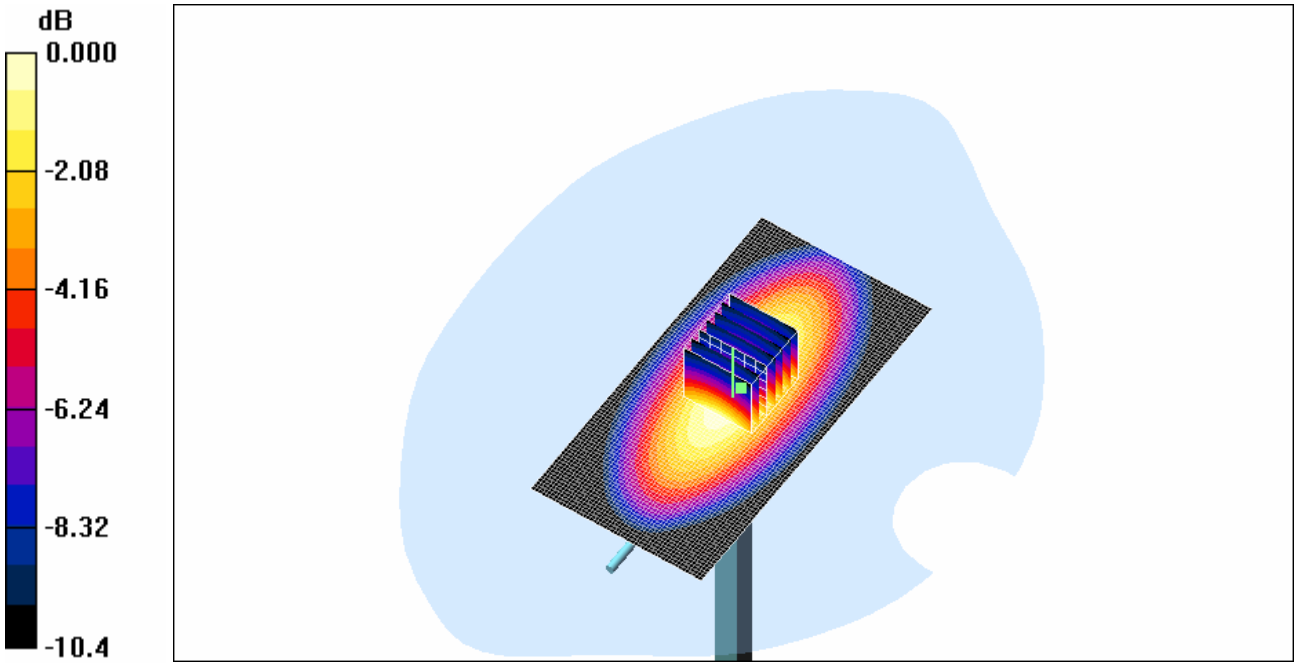
DipoleValidation_835MHz_Amb_Tem_24_6_Liq_Tem_23_8_Deg. Cel. 13_Nov_06

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.874 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.42, 6.42, 6.42); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 108.5 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 9.05 mW/g; SAR(10 g) = 5.89 mW/g
Maximum value of SAR (measured) = 9.76 mW/g

d=15mm, Pin=1000mW/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 9.79 mW/g



0 dB = 9.76mW/g

Test Laboratory: RTS

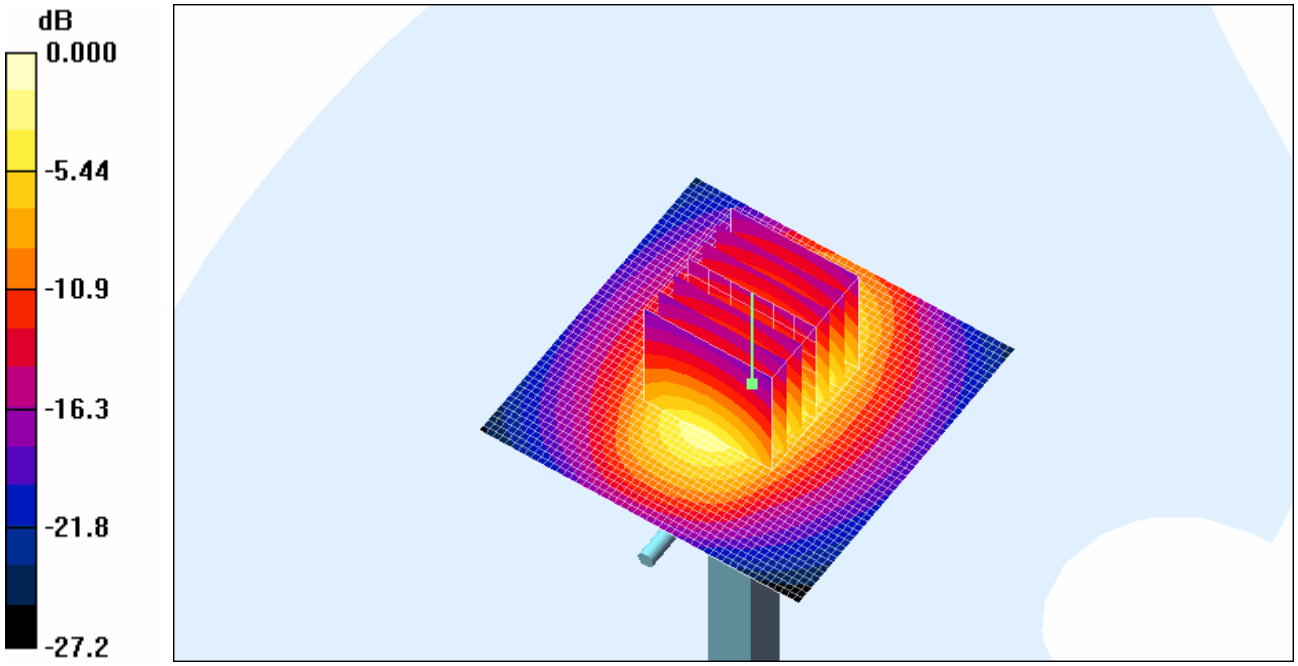
DipoleValidation_1900MHz_Amb_Tem_24.2_Liq_Tem_23_8 Deg. Cel. 09_Nov_06

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.45 mho/m; ε_r = 38.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

d=15mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 180.5 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 70.1 W/kg
SAR(1 g) = 39.3 mW/g; SAR(10 g) = 20.5 mW/g
Maximum value of SAR (measured) = 44.0 mW/g

d=15mm, Pin=1000mW/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 52.9 mW/g



0 dB = 52.9mW/g

Test Laboratory: RTS

Dipole_Validation_2450Mhz_head_Amb_Tem_24_0_Liq_Temp_22_5_Deg_Cel_18_Oct_06

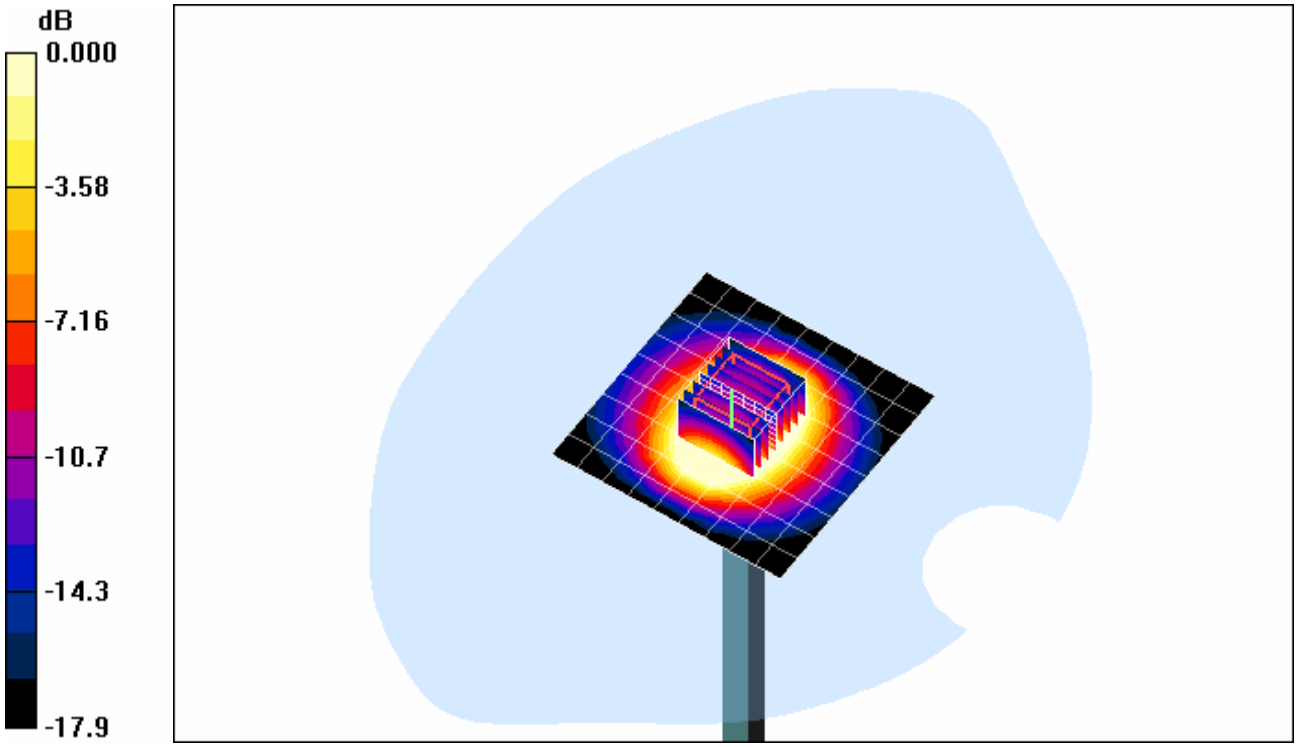
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx
Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 1.85 mho/m, ε_r = 37.63; ρ = 1000 kg/m^3 Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=2450 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 204.7 V/m; Power Drift = 0.027 dB
Maximum value of Total (measured) = 221.2 V/m

d=10mm, Pin=250mW, f=2450 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 201.6 V/m

d=10mm, Pin=250mW, f=2450 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 204.7 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 120.0 W/kg
SAR(1 g) = 57.6 mW/g; SAR(10 g) = 26.3 mW/g
Maximum value of SAR (measured) = 86.5 mW/g



0 dB = 86.5V/m

Test Laboratory: RTS

Dipole_Validation_2450Mhz_head_Amb_Tem_24_0_Liq_Temp_22_5_Deg_Cel_Oct_19_06

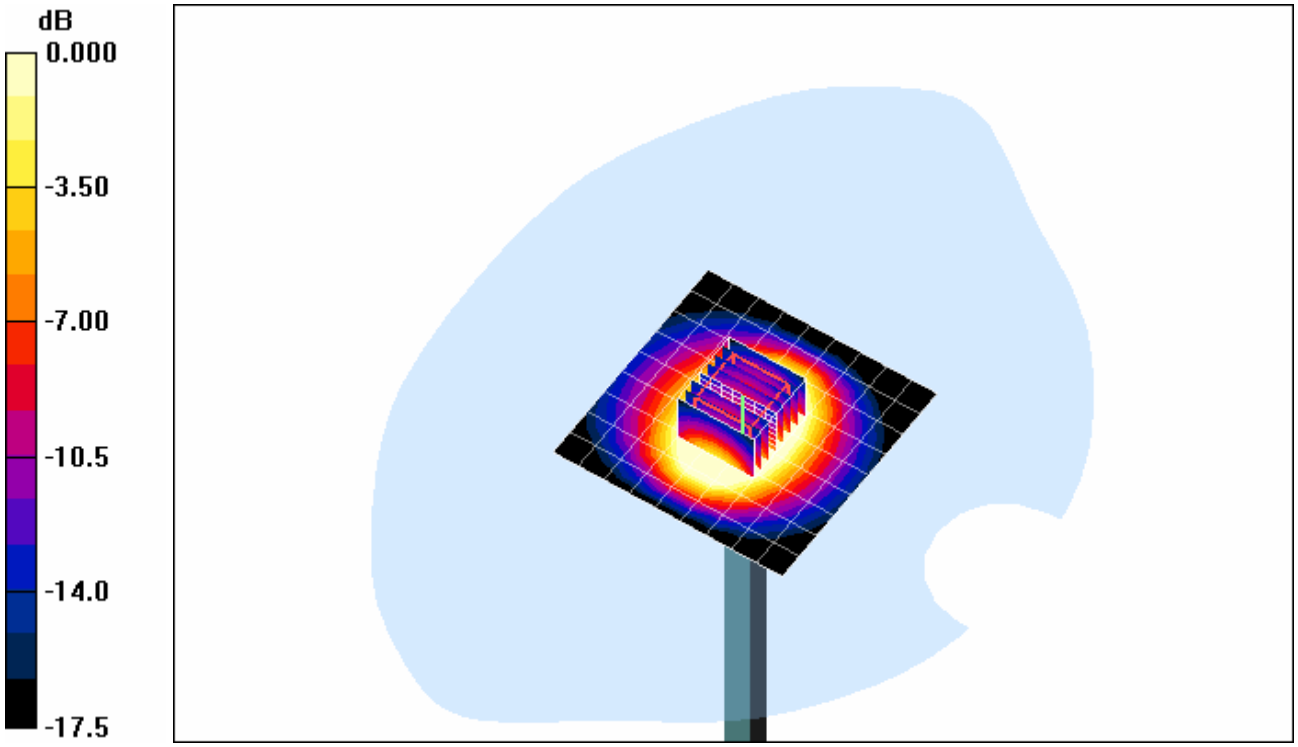
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:xxx
Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 1.85 mho/m, ε_r = 37.63; ρ = 1000 kg/m^3 Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=250mW, f=2450 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 207.0 V/m; Power Drift = -0.154 dB
Maximum value of Total (measured) = 219.4 V/m

d=10mm, Pin=250mW, f=2450 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 202.5 V/m

d=10mm, Pin=250mW, f=2450 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 207.0 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 119.6 W/kg
SAR(1 g) = 57.9 mW/g; SAR(10 g) = 26.7 mW/g
Maximum value of SAR (measured) = 85.1 mW/g



0 dB = 85.1V/m

Test Laboratory: RTS

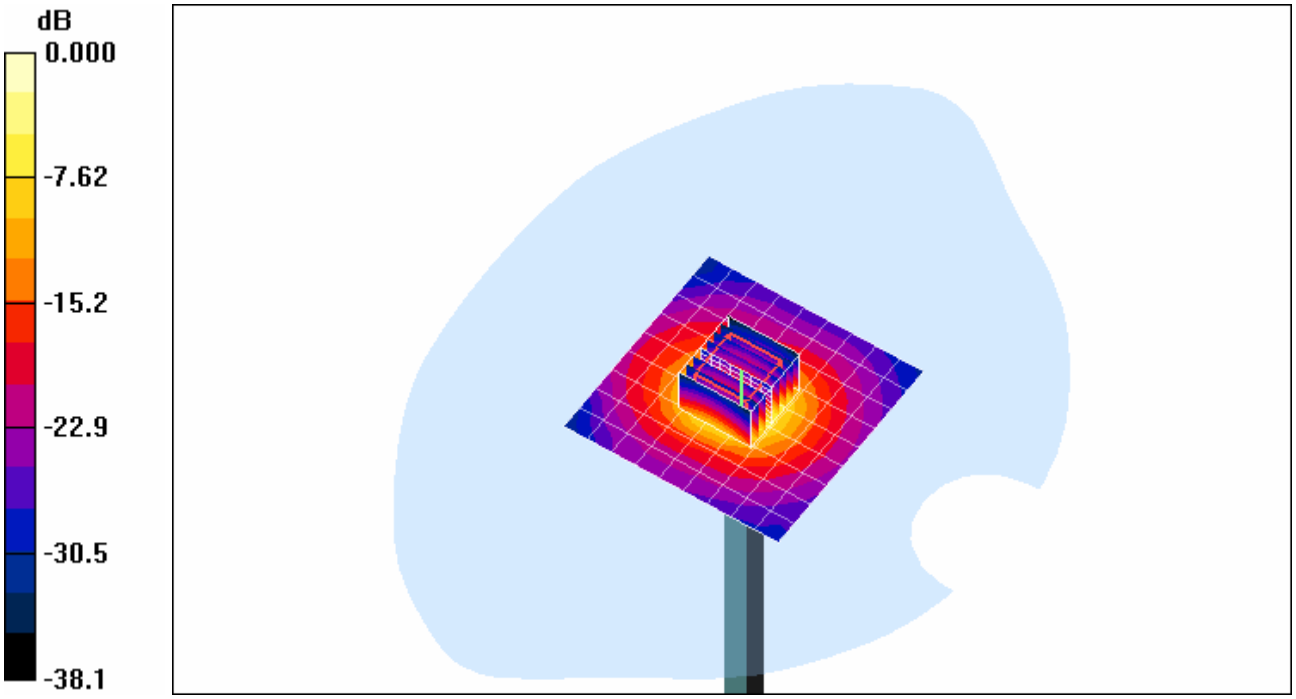
Dipole_Validation_5200Mhz_head_Amb_Tem_24_1_Liq_Temp_22_7_Deg_Cel_20_Oct_06

DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 4.88 mho/m, ε_r = 35.02; ρ = 1000 kg/m^3 Medium parameters used: f = 5200 MHz; σ = 4.88 mho/m; ε_r = 35; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE3 Sn472; Calibrated: 25/04/2006
Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 164.0 V/m; Power Drift = -0.058 dB
Maximum value of Total (measured) = 191.6 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 169.5 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 164.0 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 312.5 W/kg
SAR(1 g) = 82 mW/g; SAR(10 g) = 23.7 mW/g
Maximum value of SAR (measured) = 156.3 mW/g



0 dB = 156.3V/m

Test Laboratory: RTS

Dipole_Validation_5200Mhz_head_Amb_Tem_24_3_Liq_Temp_23_0_Deg_Cel_Oct_23_06

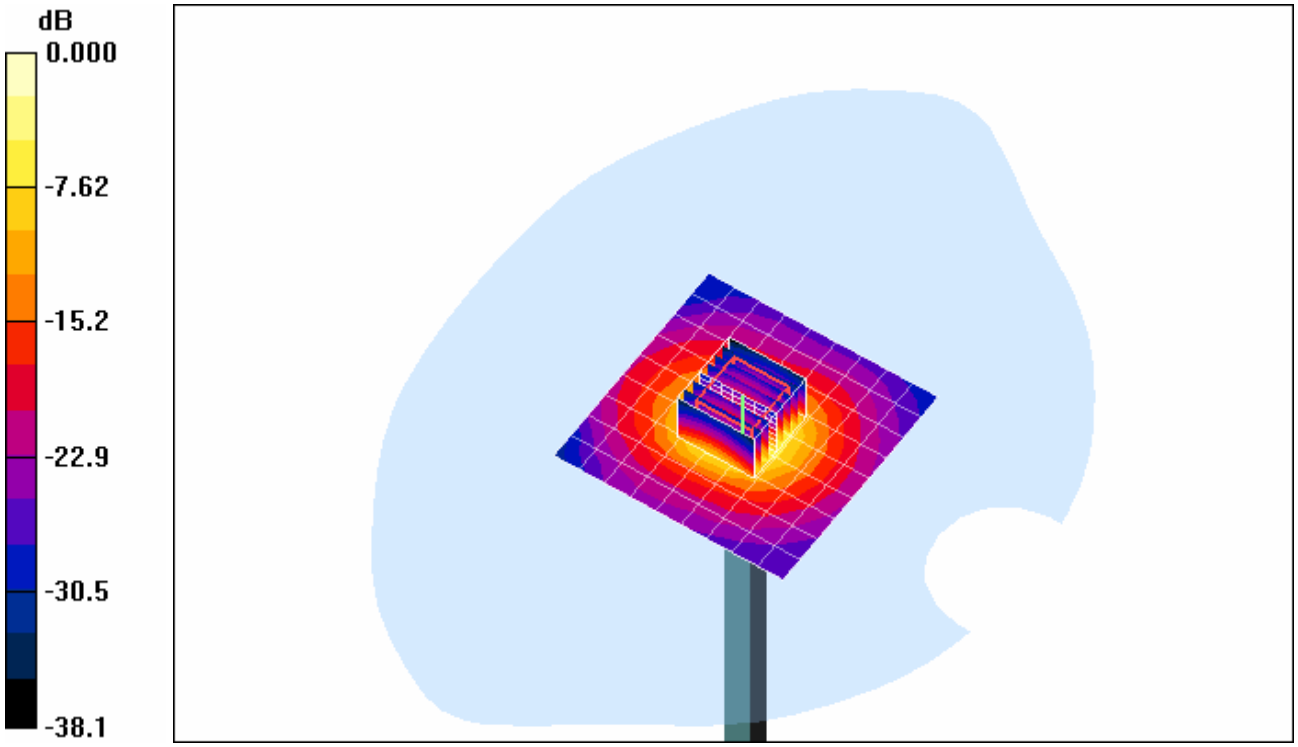
DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 4.56 mho/m, ε_r = 34.04; ρ = 1000 kg/m^3 Medium parameters used: f = 5200 MHz; σ = 4.56 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 163.7 V/m; Power Drift = 0.021 dB
Maximum value of Total (measured) = 191.4 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 167.1 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 163.7 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 289.7 W/kg
SAR(1 g) = 76.1 mW/g; SAR(10 g) = 22 mW/g
Maximum value of SAR (measured) = 145.8 mW/g



0 dB = 145.8V/m

Test Laboratory: RTS

Dipole_Validation_5200Mhz_head_Amb_Tem_24_3_Liq_Temp_23_0_Deg_Cel_Oct_24_06

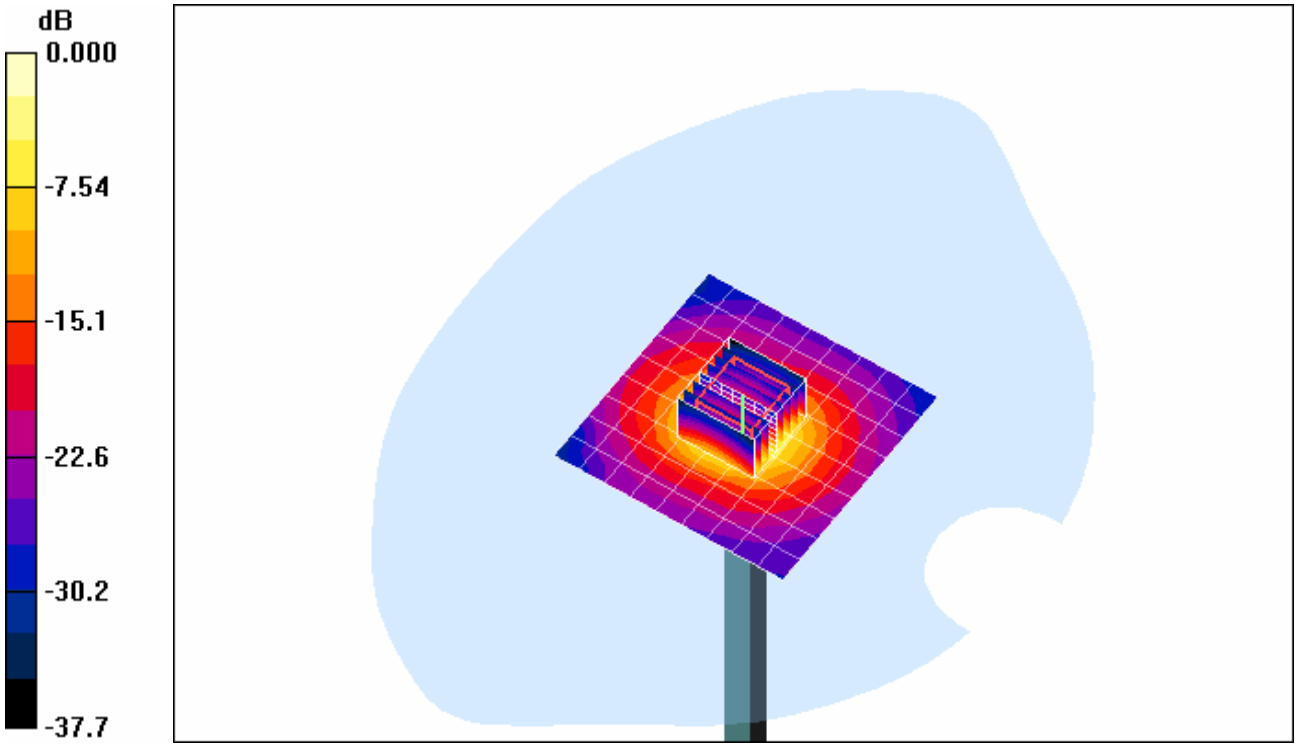
DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 4.56 mho/m, ε_r = 34.04; ρ = 1000 kg/m^3 Medium parameters used: f = 5200 MHz; σ = 4.56 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 164.3 V/m; Power Drift = 0.064 dB
Maximum value of Total (measured) = 192.9 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 166.3 V/m

d=10mm, Pin=1000mW, f=5200 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 164.3 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 293.6 W/kg
SAR(1 g) = 76.5 mW/g; SAR(10 g) = 22.1 mW/g
Maximum value of SAR (measured) = 148.1 mW/g



0 dB = 148.1V/m

Test Laboratory: RTS

Dipole_Validation_5500Mhz_head_Amb_Tem_24_5_Liq_Temp_23_4_Deg_Cel_10_26_06

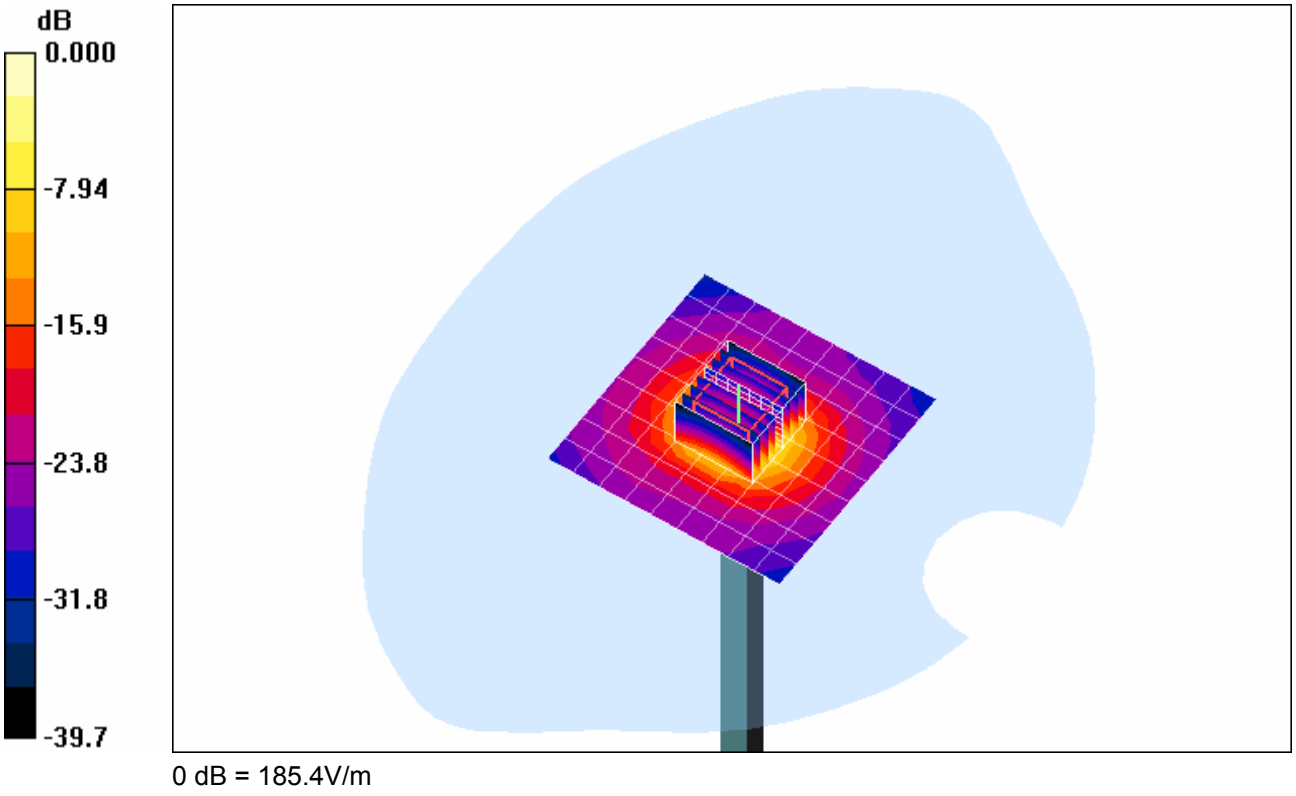
DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 4.96 mho/m, ε_r = 33.67; ρ = 1000 kg/m^3 Medium parameters used: f = 5500 MHz; σ = 4.96 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.86, 4.86, 4.86); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

d=10mm, Pin=1000mW, f=5500 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 170.6 V/m

d=10mm, Pin=1000mW, f=5500 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 212.1 V/m; Power Drift = 0.003 dB
Maximum value of Total (measured) = 205.1 V/m

d=10mm, Pin=1000mW, f=5500 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 212.1 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 410.1 W/kg
SAR(1 g) = 96.1 mW/g; SAR(10 g) = 27 mW/g
Maximum value of SAR (measured) = 185.4 mW/g



0 dB = 185.4V/m

Test Laboratory: RTS

Dipole_Validation_5800Mhz_head_Amb_Tem_24_5_Liq_Temp_23_0_Deg_Cel_Oct_31_06

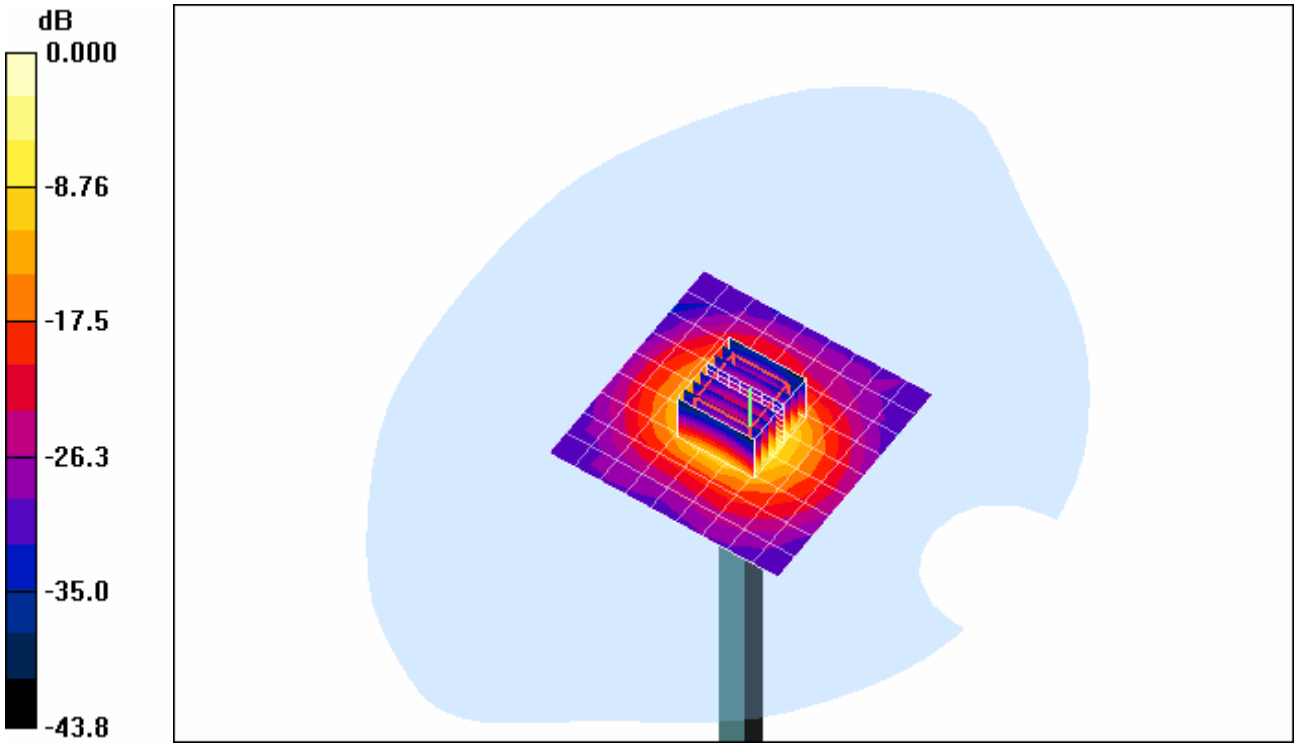
DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 5.49 mho/m, ε_r = 33.57; ρ = 1000 kg/m^3 Medium parameters used: f = 5800 MHz; σ = 5.49 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.75, 4.75, 4.75); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 161.3 V/m; Power Drift = 0.031 dB
Maximum value of Total (measured) = 189.5 V/m

d=10mm, Pin=1000mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 164.9 V/m

d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 161.3 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 412.1 W/kg
SAR(1 g) = 90.5 mW/g; SAR(10 g) = 25.4 mW/g
Maximum value of SAR (measured) = 175.1 mW/g



0 dB = 175.1V/m

Test Laboratory: RTS

Dipole_Validation_5800Mhz_head_Amb_Tem_24_5_Liq_Temp_23_0_Deg_Cel_Nov_01_06

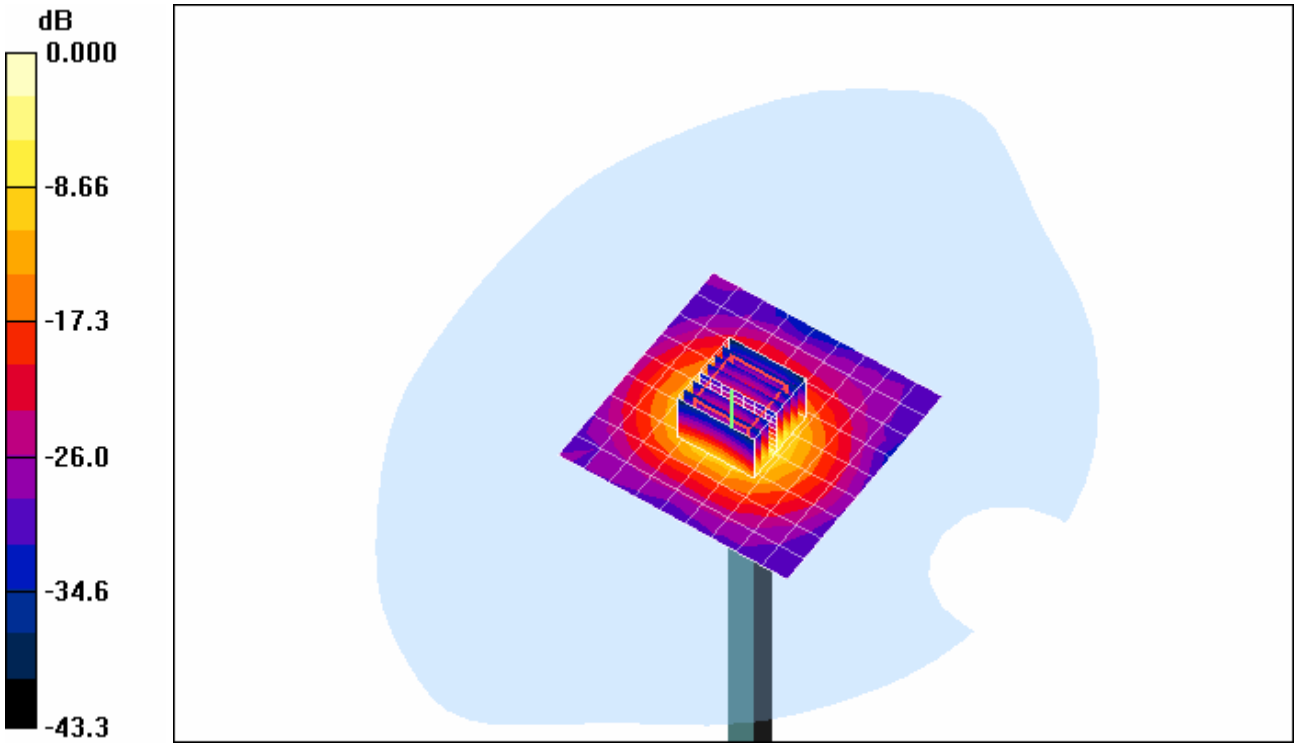
DUT: Dipole 5000 MHz; Type: D5000V2; Serial: D5000V2 - SN:xxx
Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 5.49 mho/m, ε_r = 33.57; ρ = 1000 kg/m^3 Medium parameters used: f = 5800 MHz; σ = 5.49 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.75, 4.75, 4.75); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 151.5 V/m; Power Drift = -0.104 dB
Maximum value of Total (measured) = 186.9 V/m

d=10mm, Pin=1000mW, f=5800 MHz/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of Total (measured) = 176.9 V/m

d=10mm, Pin=1000mW, f=5800 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube 0:
Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 151.5 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 392.2 W/kg
SAR(1 g) = 87.5 mW/g; SAR(10 g) = 24.5 mW/g
Maximum value of SAR (measured) = 170.3 mW/g



0 dB = 170.3V/m

APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Test Laboratory: RTS

P1528_LeftHandSide_GSM850_Mid_Chan_Amb_Tem_24_7_Liq_Tem_23_5_Deg_Cel_13_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.42, 6.42, 6.42); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

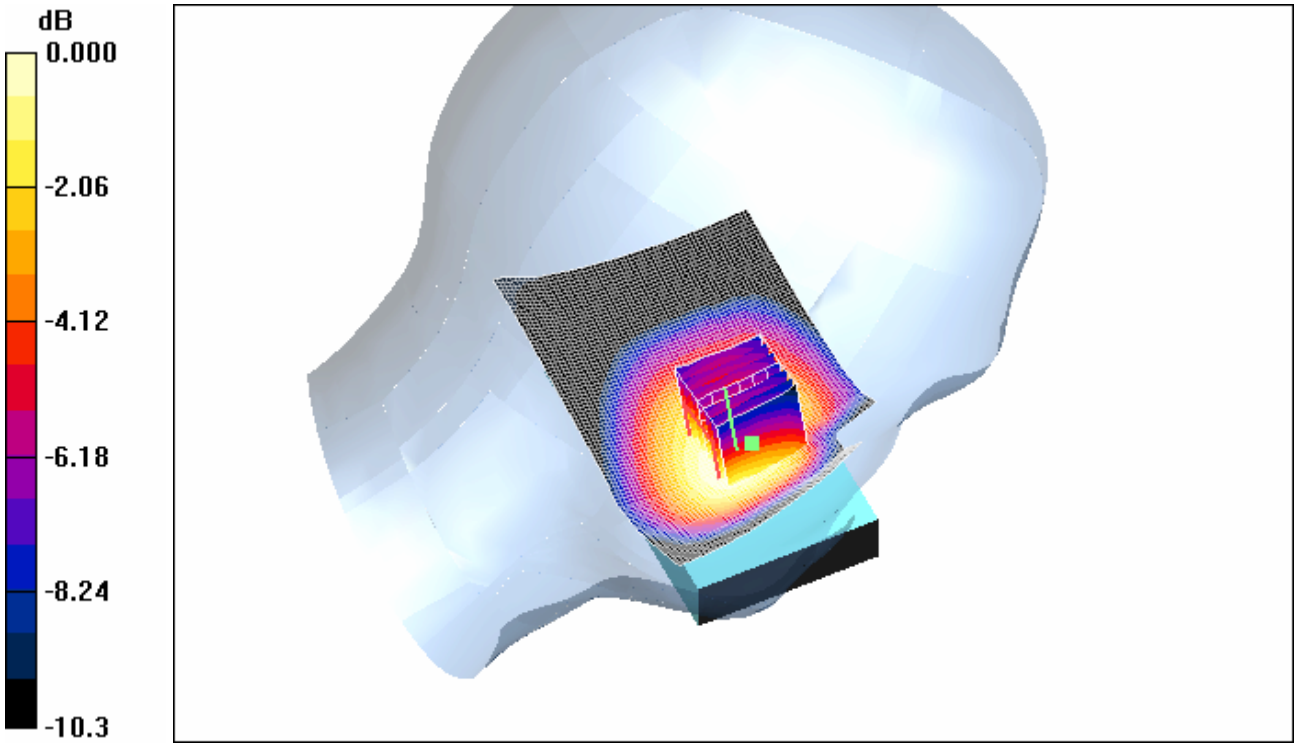
Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.571 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.820 mW/g

Touch position - Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.832 mW/g



0 dB = 0.820mW/g

Test Laboratory: RTS

P1528_LeftHandSide_Tilt_GSM850_Mid_Chan_Amb_Tem_25_0_Liq_Tem_23_5 Deg_Cel_13_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

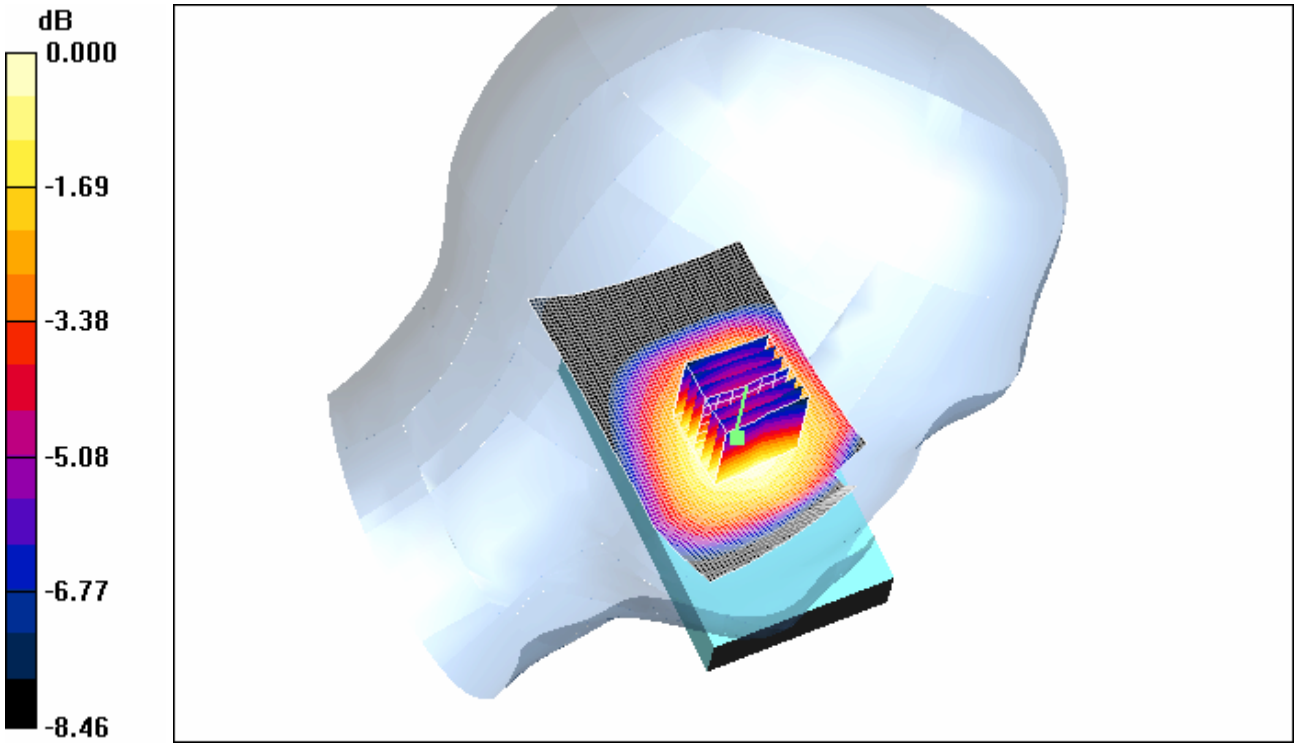
- Probe: ET3DV6 - SN1643; ConvF(6.42, 6.42, 6.42); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.572 W/kg
SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.346 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.480 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) = 0.481 mW/g



0 dB = 0.480mW/g

Test Laboratory: RTS

P1528-RightHandSide_GSM850_Mid Chan_Amb_Tem_24_8_Liq_Tem_23_2 Deg_Cel_13_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

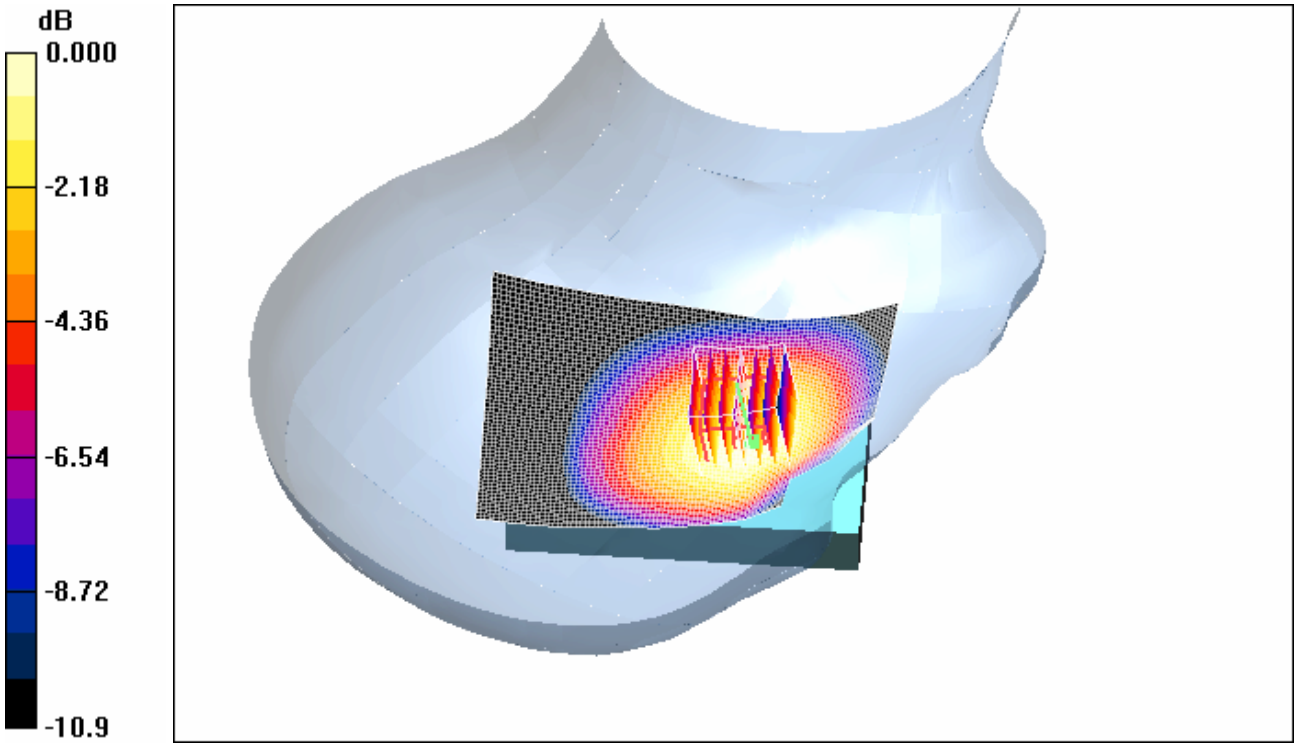
- Probe: ET3DV6 - SN1643; ConvF(6.42, 6.42, 6.42); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Touch position - Middle/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.790 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.560 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.797mW/g

Test Laboratory: RTS

P1528-RightHandSide_Tilt_GSM850_Mid Chan_Amb_Tem_24_0_Liq_Tem_22_9 Deg_Cel_13_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

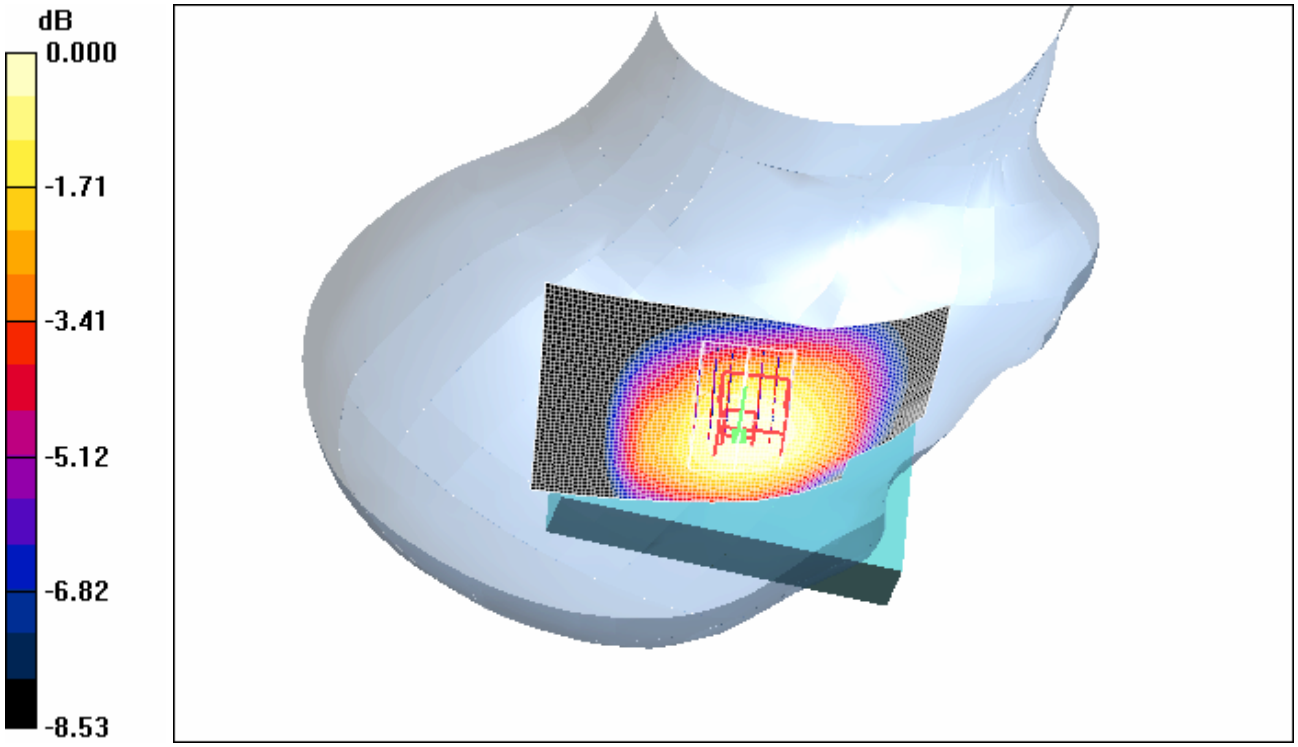
- Probe: ET3DV6 - SN1643; ConvF(6.42, 6.42, 6.42); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.577 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.349 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.487 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) = 0.486 mW/g



0 dB = 0.487mW/g

Date/Time: 10/11/2006 10:24:56 AM

Test Laboratory: RTS

P1528-LeftHandSide_GSM1900_Low_Chan_Amb_Tem_24_3_Liq_Tem_23_2 Deg_Cel_10_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.4 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

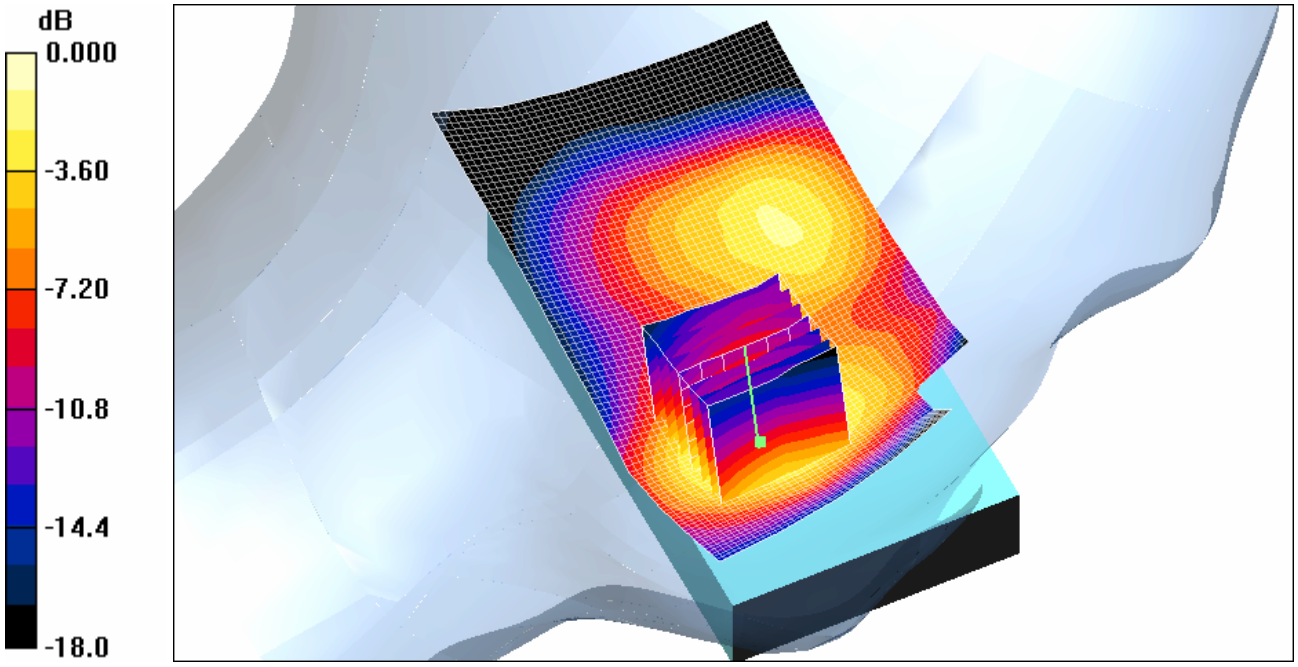
- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.551 mW/g

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

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

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



0 dB = 1.00mW/g

Test Laboratory: RTS

P1528-LeftHandSide_Tilt_GSM1900_Low_Chan_Amb_Tem_24.1_Liq_Tem_22_9 Deg_Cel_10_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.4 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

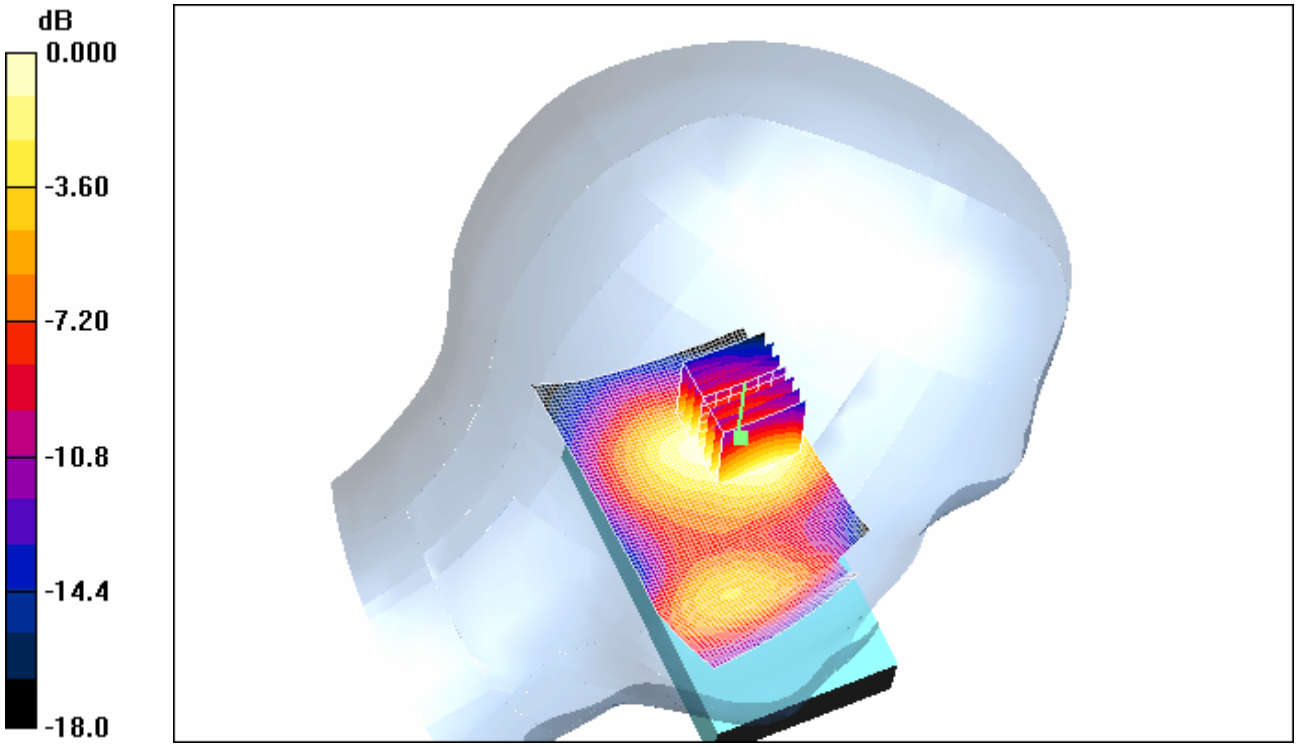
- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.545 mW/g

Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 0.623 W/kg
SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.278 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.471 mW/g



0 dB = 0.471mW/g

Date/Time: 09/11/2006 3:19:42 PM

Test Laboratory: RTS

P1528-RightHandSide-GSM1900_Low_Chan_Amb_Tem_24_6_Liq_Tem_23_3 Deg_Cel_09_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.4 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

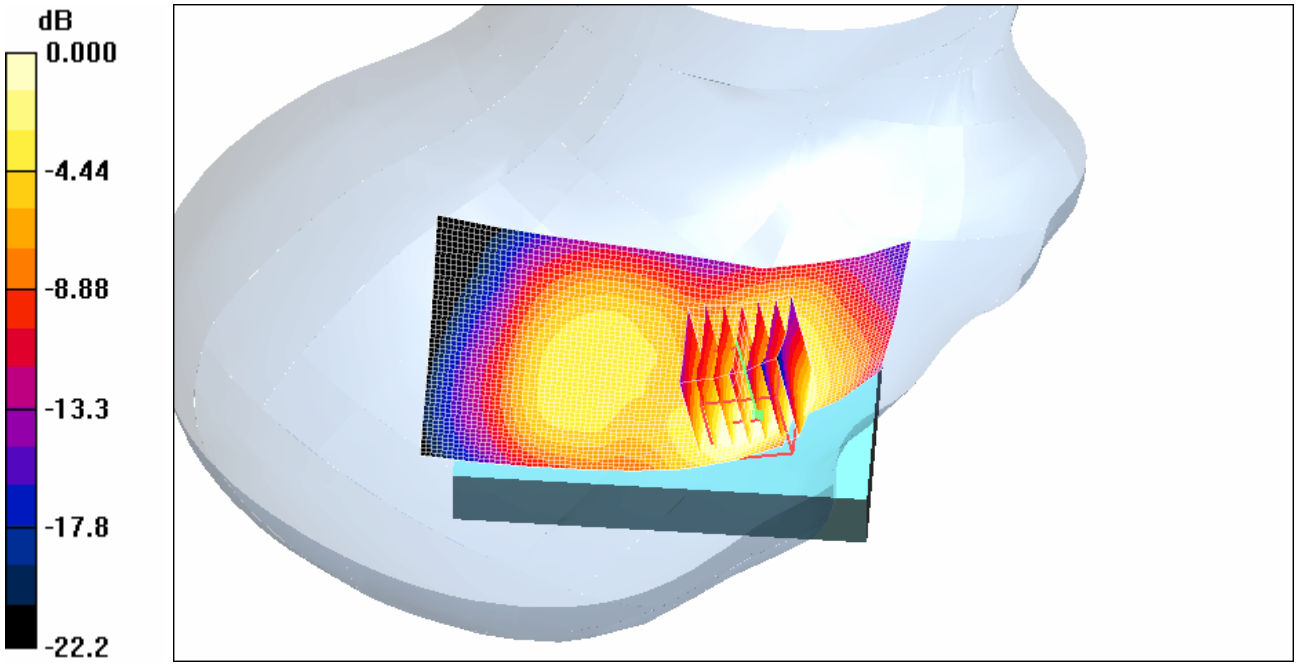
- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

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

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

Touch position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.6 V/m; Power Drift = -0.127 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.444 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.774 mW/g



0 dB = 0.774mW/g

Test Laboratory: RTS

P1528-RightHandSide_Tilt_GSM1900_Low_Chan_Amb_Tem_24_6_Liq_Tem_23_3 Deg_Cel_10_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.4 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 16/03/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 09/03/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

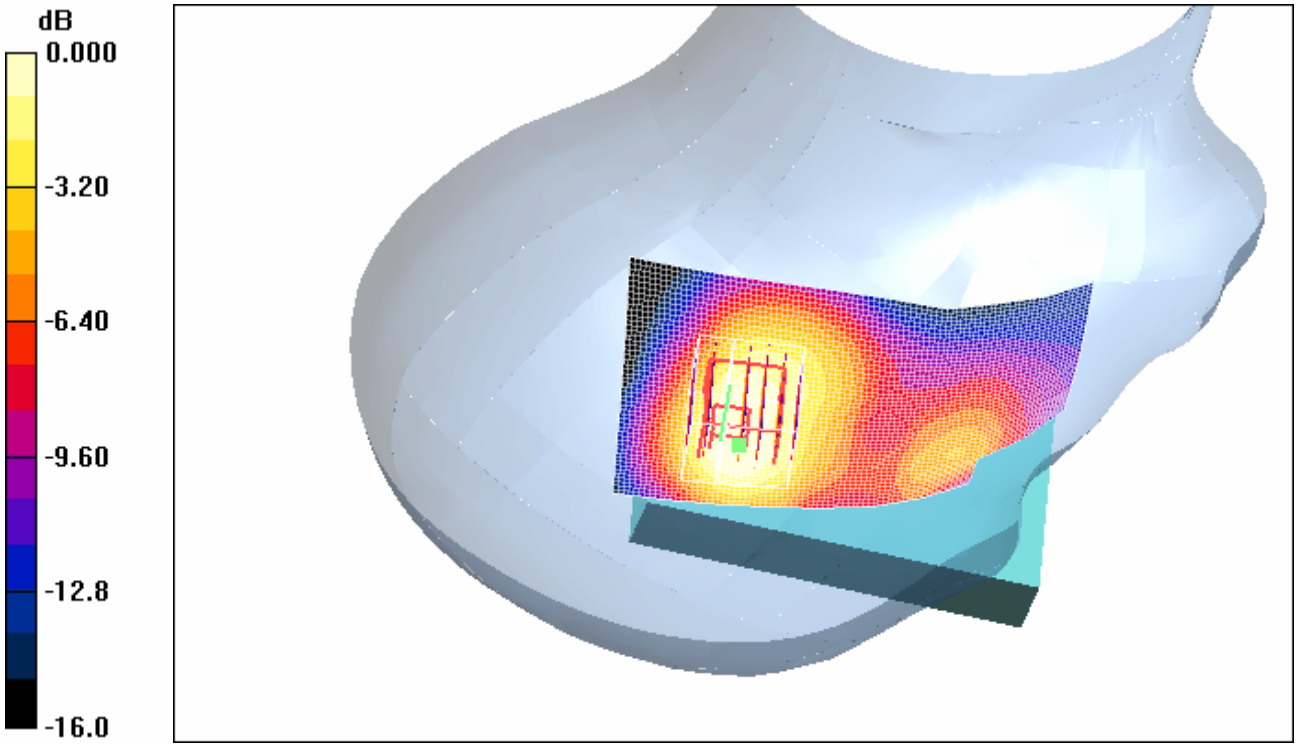
Tilt position - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 0.548 W/kg
SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.240 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.409 mW/g

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.456 mW/g



0 dB = 0.409mW/g

Test Laboratory: RTS

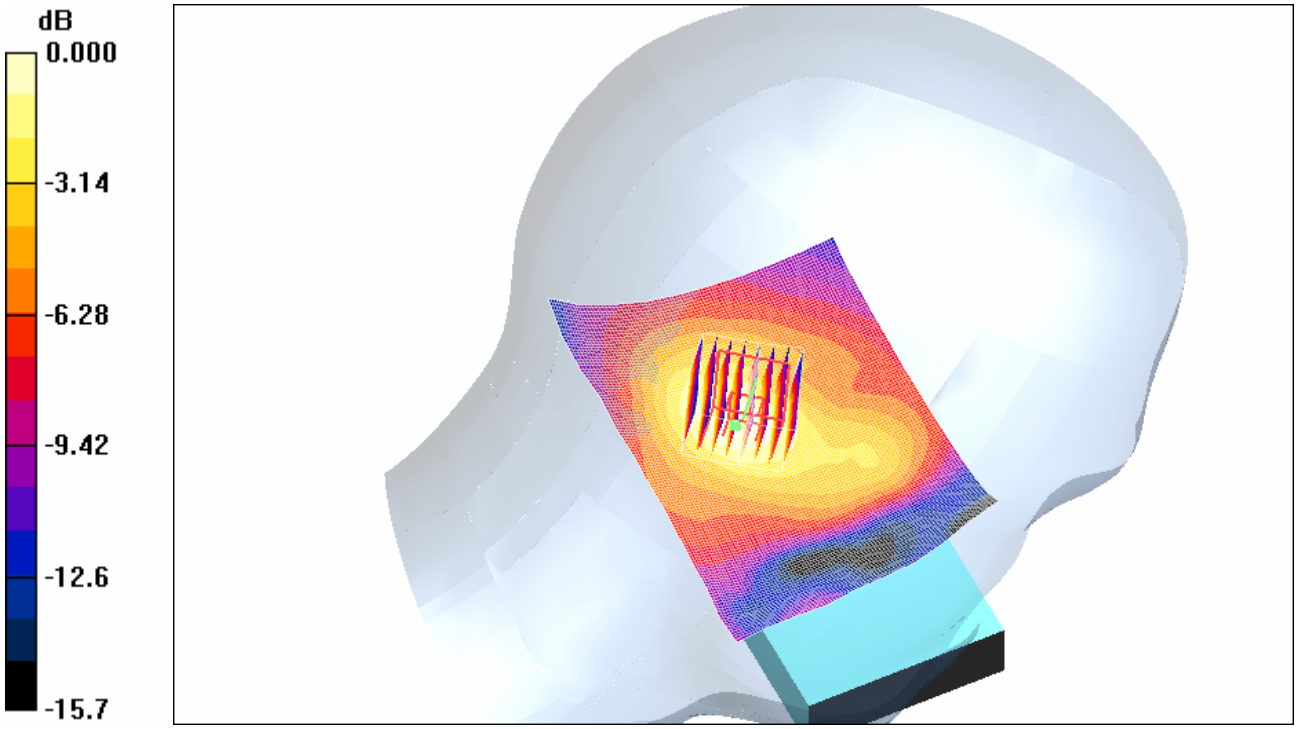
P1528-
LeftHandSide_802_11b_mid_chan_amb_temp_24.5_liquid_temp_22.4_Deg_Cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.85 mho/m; ε_r = 37.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.157 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 7.59 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.151mW/g

Test Laboratory: RTS

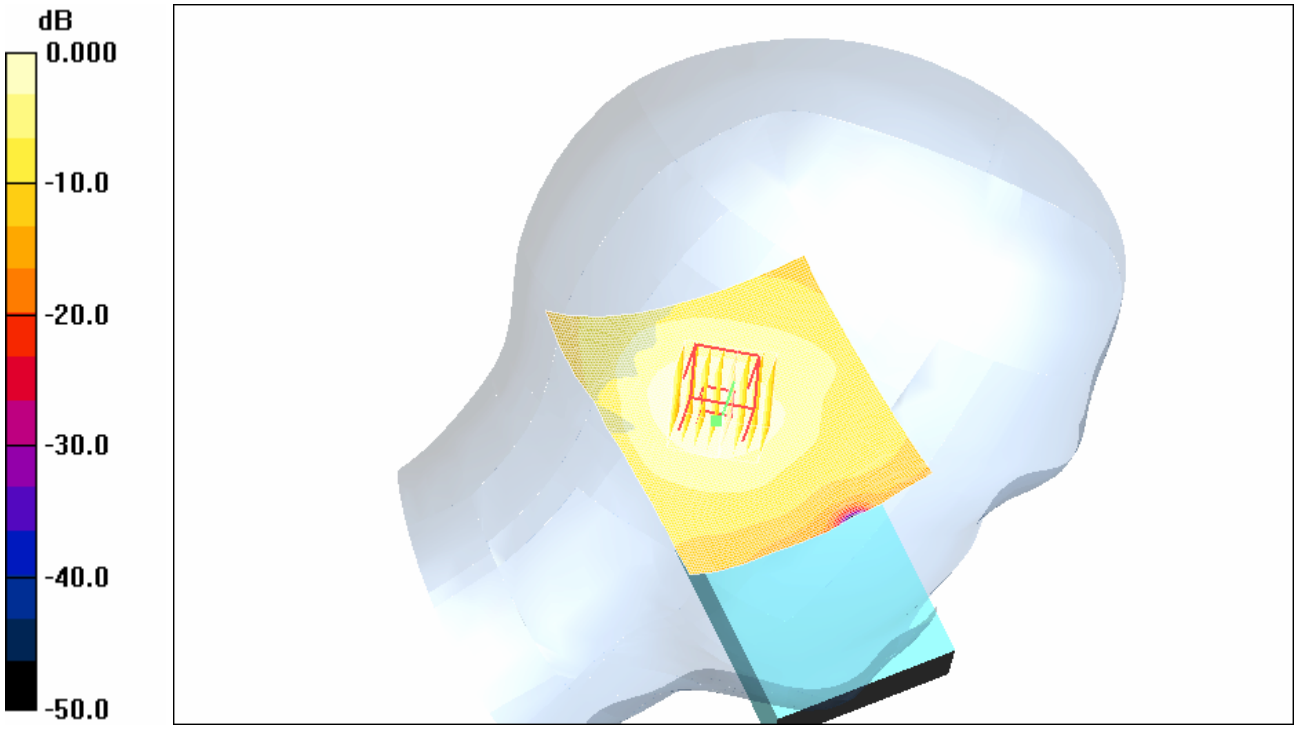
P1528-LeftHandSide_Tilt_802_11b_mid_chan_amb_temp_24.5_liquid_temp_22.4_Deg_Cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.85 mho/m; ε_r = 37.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 7.82 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.211 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.164 mW/g

Tilt position - Middle/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.165 mW/g



0 dB = 0.165mW/g

Test Laboratory: RTS

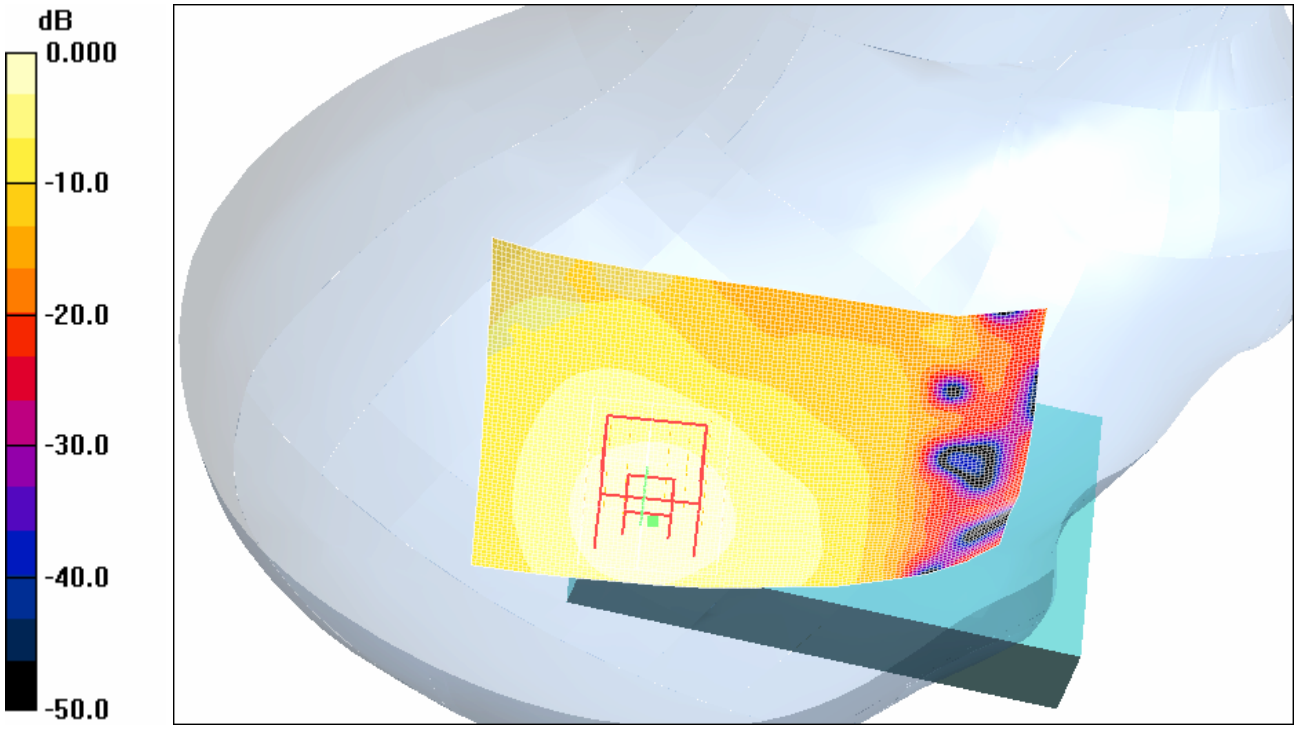
P1528-RightHandSide_802_11b_mid_chan_amb_temp_24.2_liquid_temp_22.6_Deg_Cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.85 mho/m; ε_r = 37.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.83 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.267 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.207 mW/g

Tilt position - Middle/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.213 mW/g



0 dB = 0.213mW/g

Test Laboratory: RTS

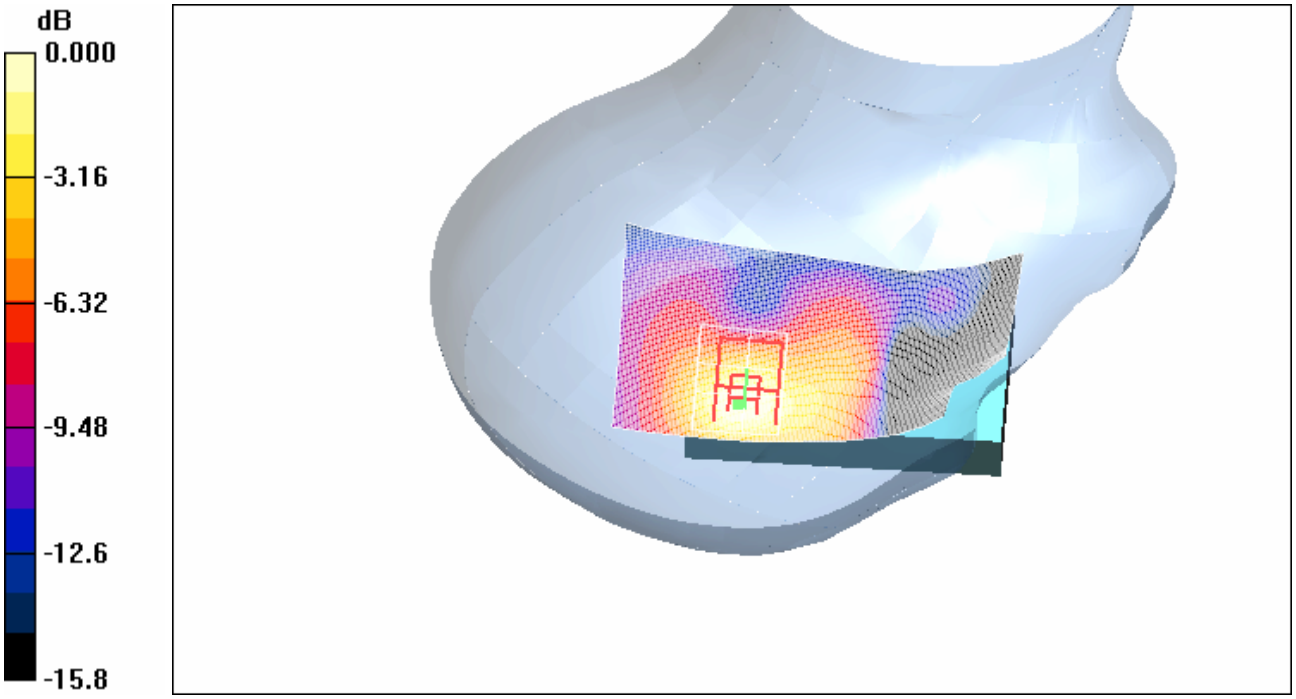
P1528-RightHandSide_802_11b_mid_chan_amb_temp_24.2_liquid_temp_22.6_deg_cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.85 mho/m; ε_r = 37.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (81x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.233 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.65 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.237 mW/g



0 dB = 0.237mW/g

Test Laboratory: RTS

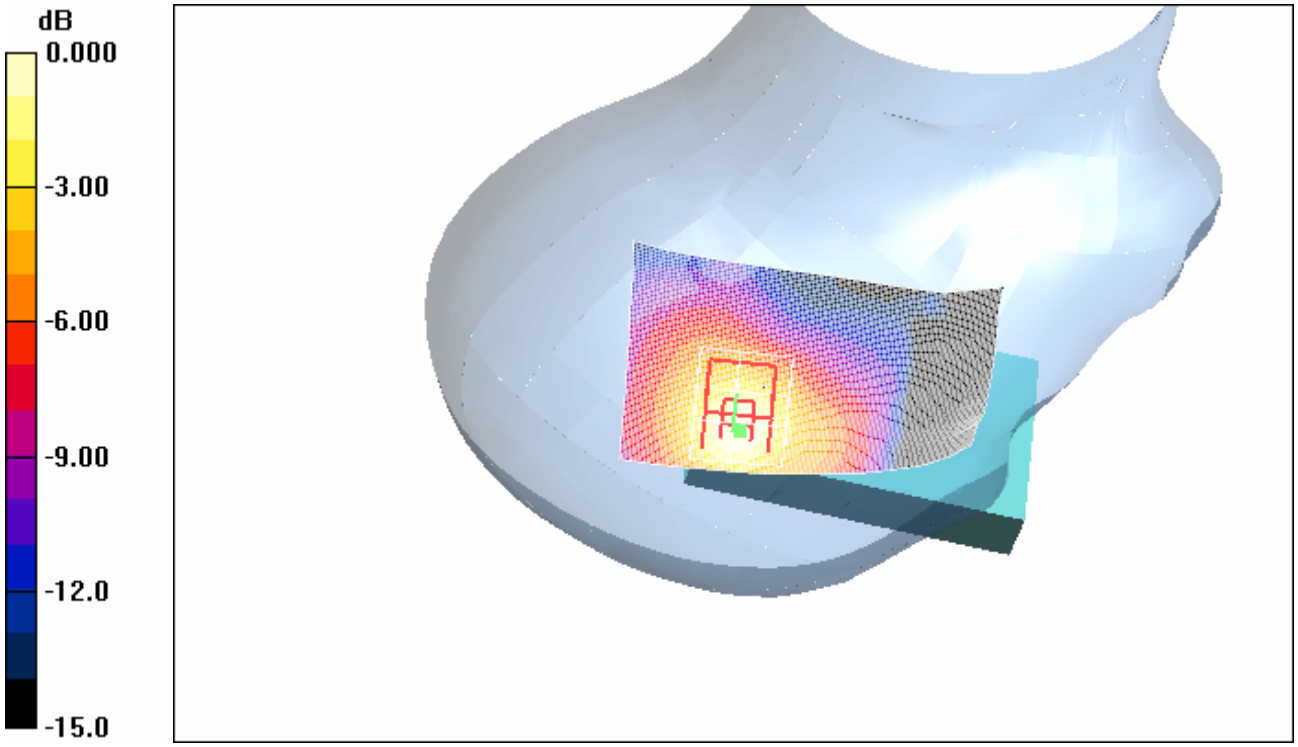
P1528-RightHandSide_Tilt_802_11b_mid_chan_amb_temp_24.2_liquid_temp_22.6_Deg_Cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 b (2450); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.85 mho/m; ε_r = 37.8; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(6.96, 6.96, 6.96); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.83 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.267 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.207 mW/g

Tilt position - Middle/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.213 mW/g



0 dB = 0.207mW/g

Test Laboratory: RTS

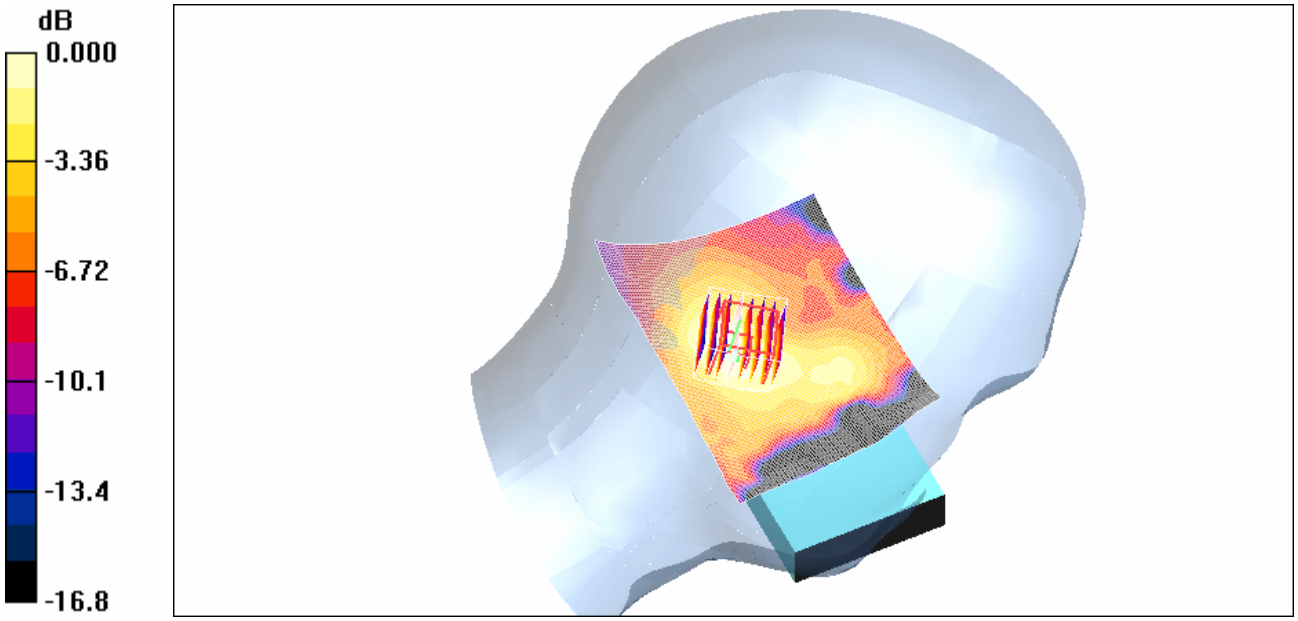
P1528-LeftHandSide_802_11a_low_band_high_chan_amb_temp_23_5_liquid_temp_22_0_Deg_Cel_19_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.56 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (91x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.06 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.051 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g

Test Laboratory: RTS

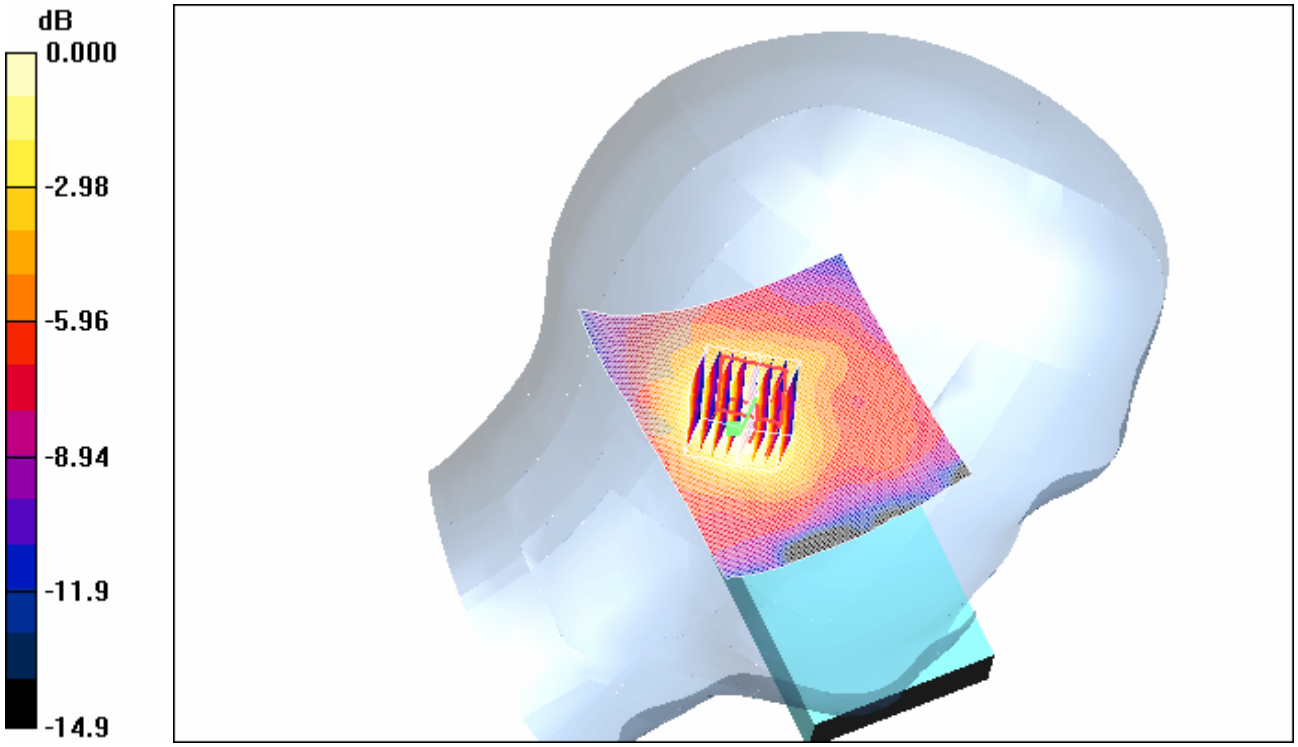
P1528-LeftHandSide_Tilt_802_11a_low_band_high_chan_amb_temp_23_5_liquid_temp_22_0_Deg_Cel_23_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.56 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.57 V/m; Power Drift = 0.079 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.128 mW/g

Tilt position - Middle/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.130 mW/g



0 dB = 0.128mW/g

Test Laboratory: RTS

P1528-RightHandSide_802_11a_low_band_high_chan_amb_temp_24.5_liquid_temp_22.5_Deg_Cel_20_Oct_06

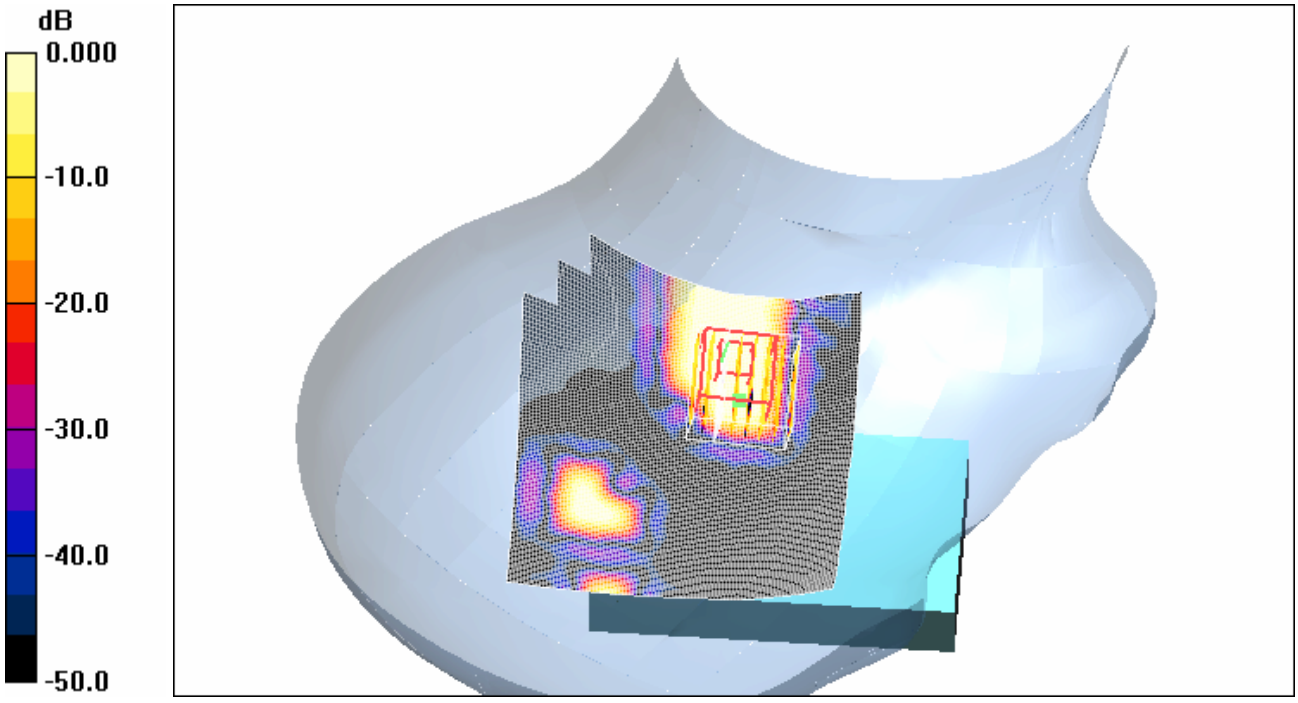
DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.88 mho/m; ε_r = 35; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (111x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.075 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.678 V/m; Power Drift = 0.815 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00684 mW/g

Maximum value of SAR (measured) = 0.035 mW/g



0 dB = 0.035mW/g

Test Laboratory: RTS

P1528-RightHandSide_Tilt_802_11a_low_band_high_chan_amb_temp_24.5_liquid_temp_22.5_Deg_Cel_20_Oct_06

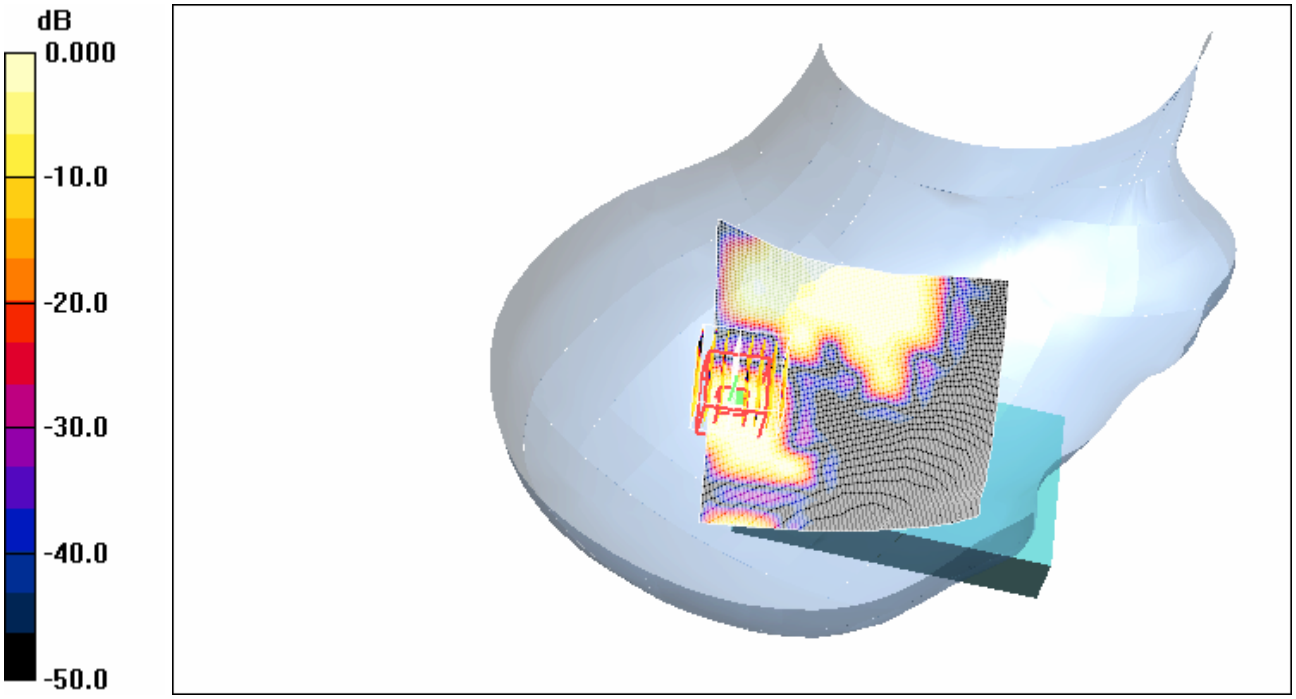
DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.88 mho/m; ε_r = 35; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.916 V/m; Power Drift = -1.06 dB
Peak SAR (extrapolated) = 0.116 W/kg
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00509 mW/g

Maximum value of SAR (measured) = 0.028 mW/g

Tilt position - Middle/Area Scan (111x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.040 mW/g



0 dB = 0.028mW/g

Test Laboratory: RTS

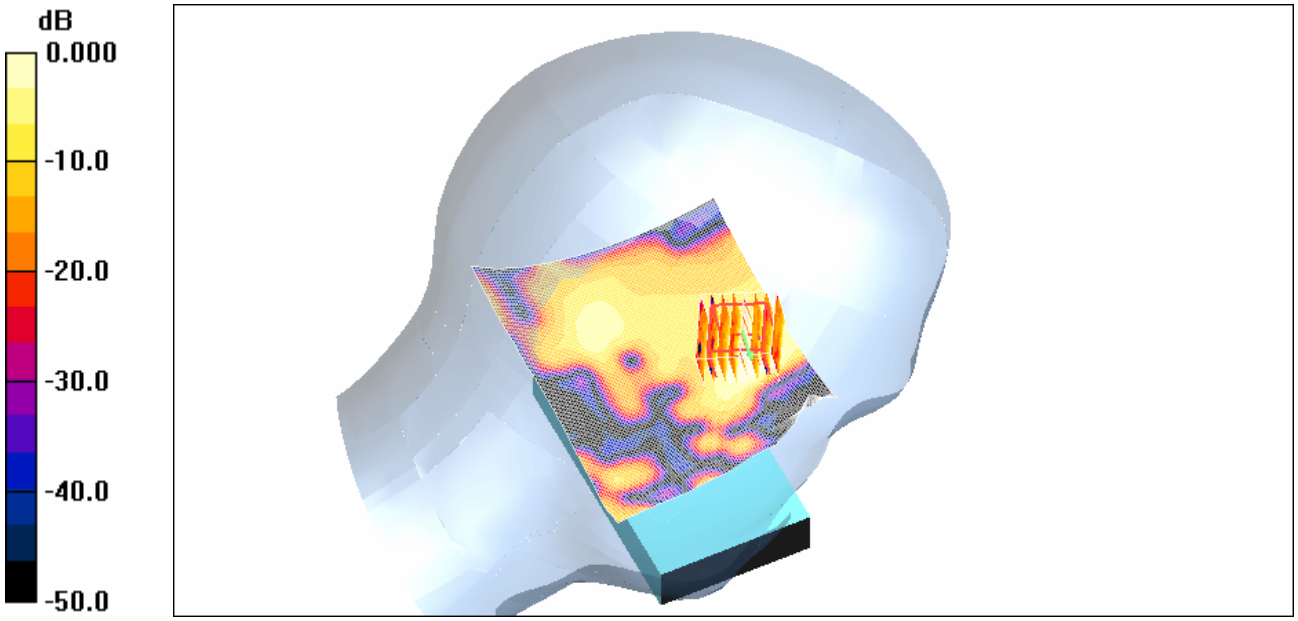
P1528-LeftHandSide_802_11a_mid_band_high_chan_amb_temp_24_6_liquid_temp_23_3_Deg_Cel_25_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.08 mho/m; ε_r = 35.8; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.211 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 1.01 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 0.856 W/kg
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.208mW/g

Test Laboratory: RTS

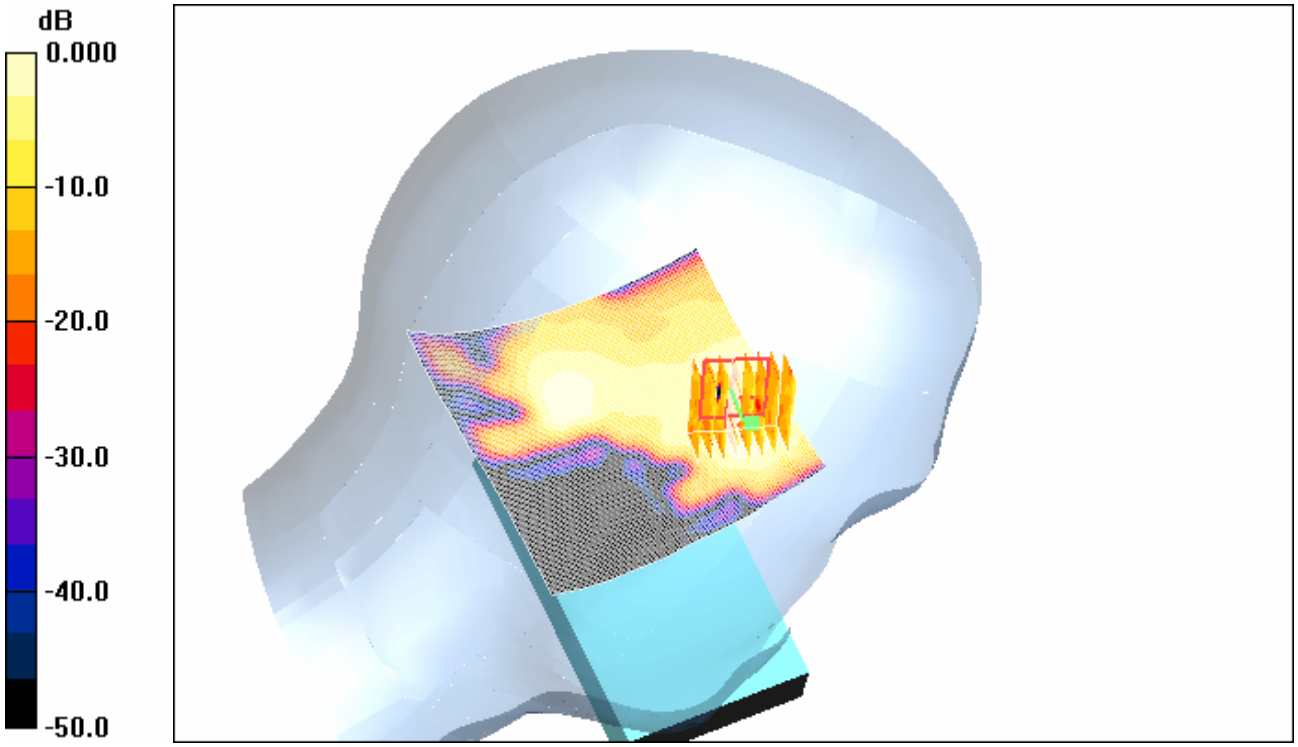
P1528-LeftHandSide_Tilt_802_11a_mid_band_low_chan_amb_temp_23_9_liquid_temp_23_1_Deg_Cel_24_Oct_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 4.56 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 160

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.903 V/m; Power Drift = -1.09 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.118 mW/g

Tilt position - Middle/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.116 mW/g



0 dB = 0.118mW/g

Test Laboratory: RTS

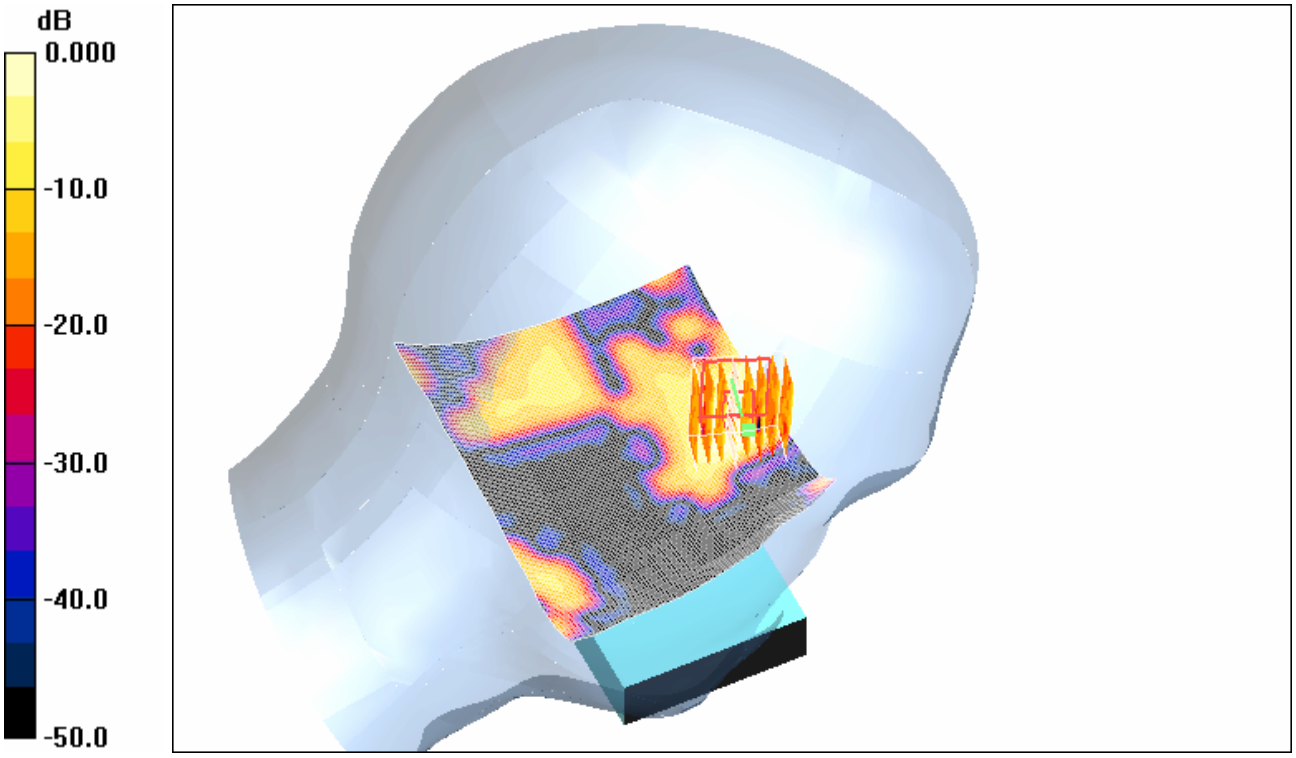
P1528-LeftHandSide_802_11a_upper_band
l_5520Mhz_amb_temp_24_8_liquid_temp_23_3_deg_cel_26_10_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 4.96 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.86, 4.86, 4.86); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.283 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



0 dB = 0.228mW/g

Test Laboratory: RTS

P1528-LeftHandSide_Tilt_802_11a_upper_bandI_5520Mhz_amb_temp_24_8_liquid_temp_23_3_deg_cel_27_10_06

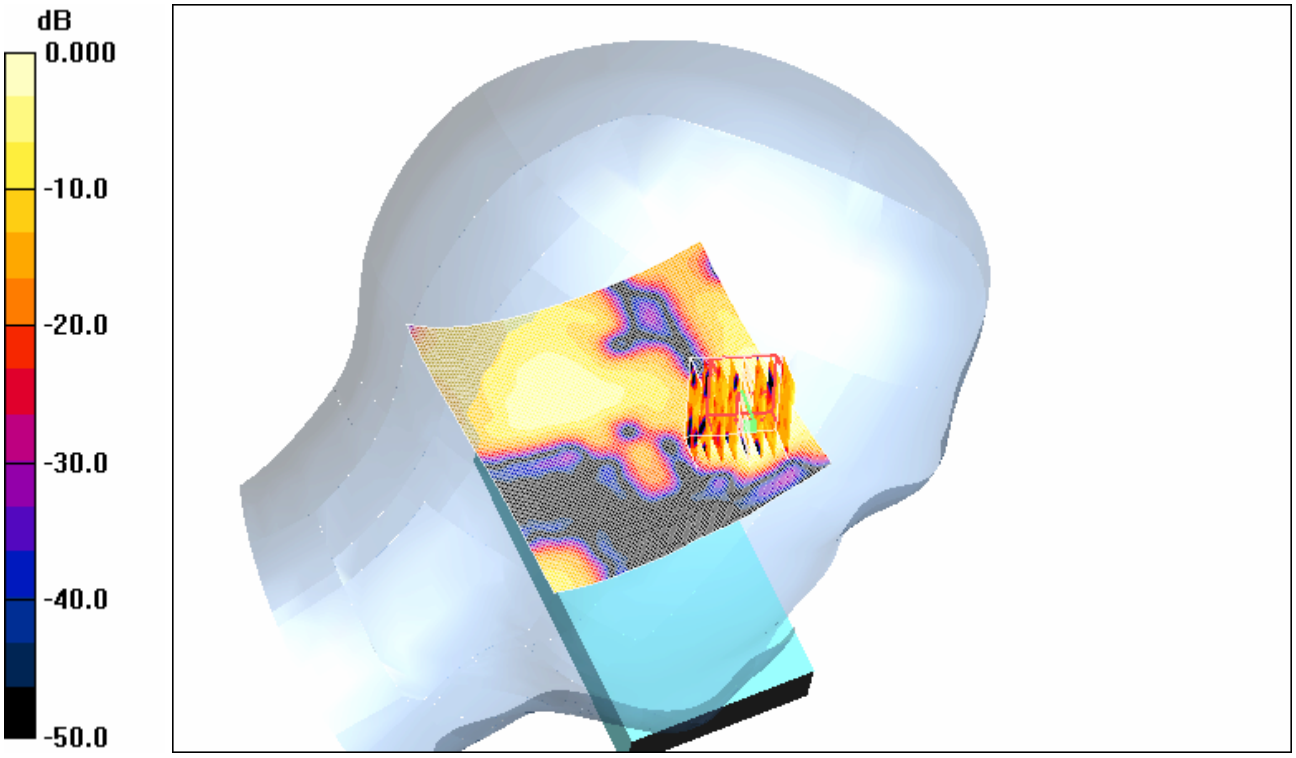
DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5520 MHz; σ = 4.96 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.86, 4.86, 4.86); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 0.903 V/m; Power Drift = -0.600 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.120 mW/g

Tilt position - Middle/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.128 mW/g



0 dB = 0.120mW/g

Test Laboratory: RTS

P1528-LeftHandSide_802_11a_upper_bandII_5745Mhz_amb_temp_24_0_liquid_temp_23_1_Deg_Cel_01_Nov_06

DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.49 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

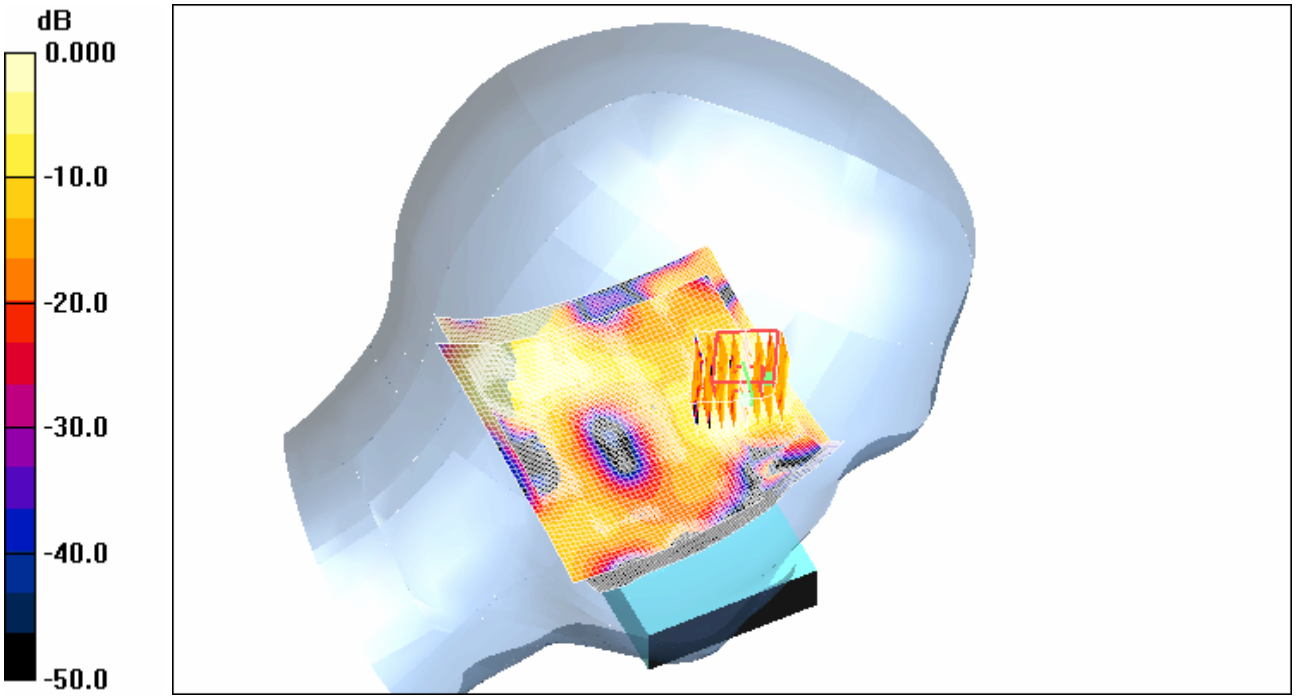
- Probe: EX3DV4 - SN3548; ConvF(4.75, 4.75, 4.75); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan 2 (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.122 mW/g

Touch position - Middle/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 5.36 V/m; Power Drift = -0.292 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.161mW/g

Date/Time: 01/11/2006 10:13:52 AM

Test Laboratory: RTS

P1528-LeftHandSide_Tilt_802_11a_upper_bandII_5745Mhz_amb_temp_24_0_liquid_temp_23_1_Deg_Cel_01_Nov_06

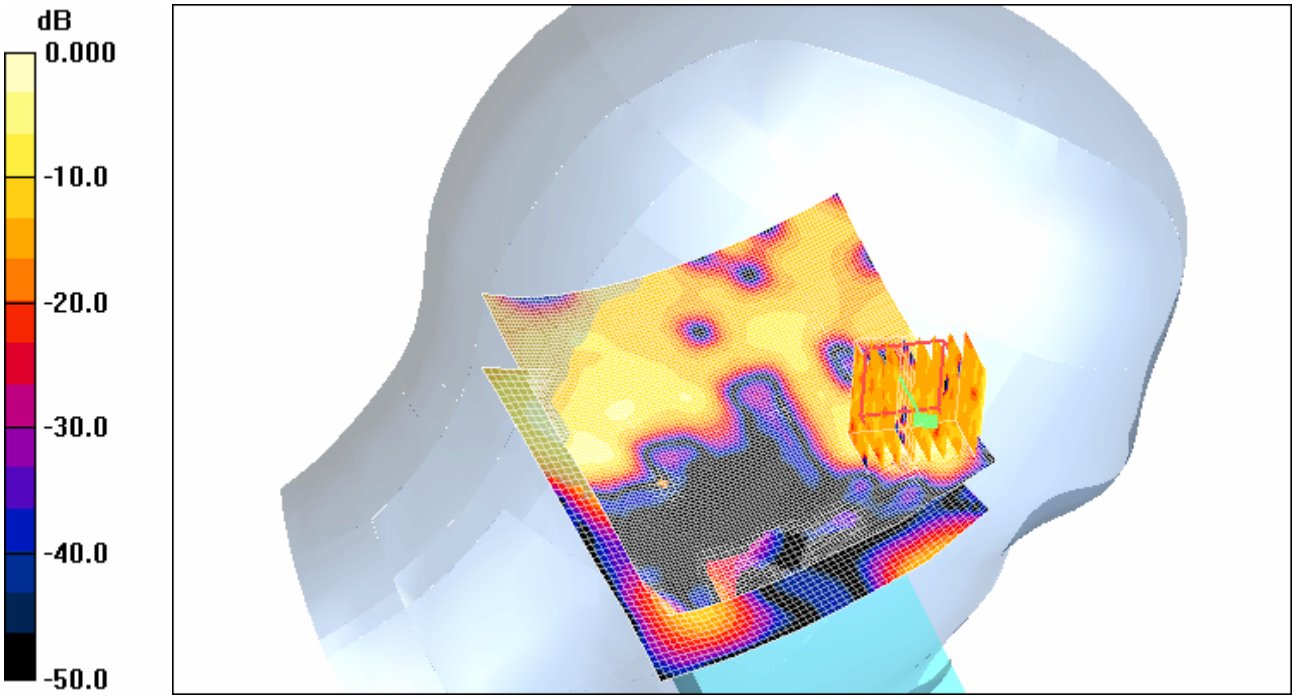
DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.49 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.75, 4.75, 4.75); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Tilt position - Middle/Area Scan 2 (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.157 mW/g

Tilt position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 4.60 V/m; Power Drift = -0.065 dB
Peak SAR (extrapolated) = 0.232 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.095 mW/g

Tilt position - Middle/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g



0 dB = 0.134mW/g

Test Laboratory: RTS

P1528-RightHandSide_802_11a_upperII_band_5745Mhz_amb_temp_25_0_liquid_temp_23_5_Deg_Cel_01_Nov_06

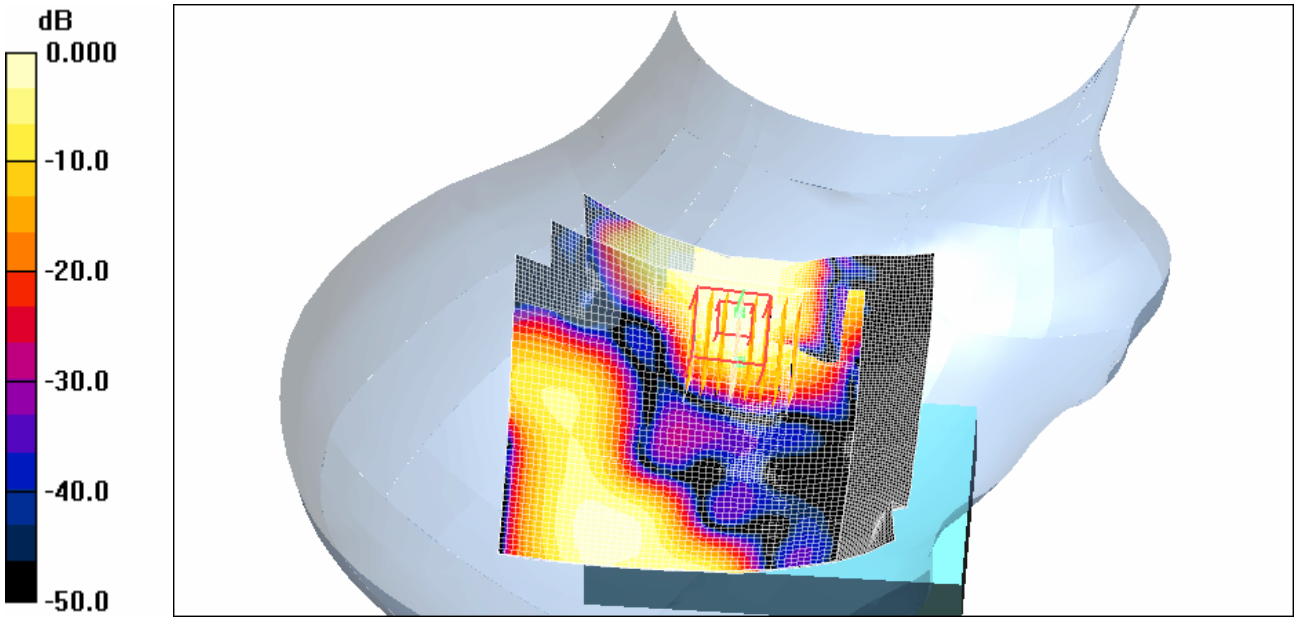
DUT: BlackBerry Wireless Handheld; Type: Sample ; Serial: Not Specified
Communication System: 802.11 a (5500); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.29 mho/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.75, 4.75, 4.75); Calibrated: 12/12/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 25/04/2006
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 170

Touch position - Middle/Area Scan (111x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.100 mW/g

Touch position - Middle/Area Scan 2 (51x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.097 mW/g

Touch position - Middle/Zoom Scan (7x7x7) (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 3.38 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 0.139 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.010 mW/g
Maximum value of SAR (measured) = 0.082 mW/g



0 dB = 0.082mW/g

Z axis plot for the worst case head configuration: