SAR Test Plots

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

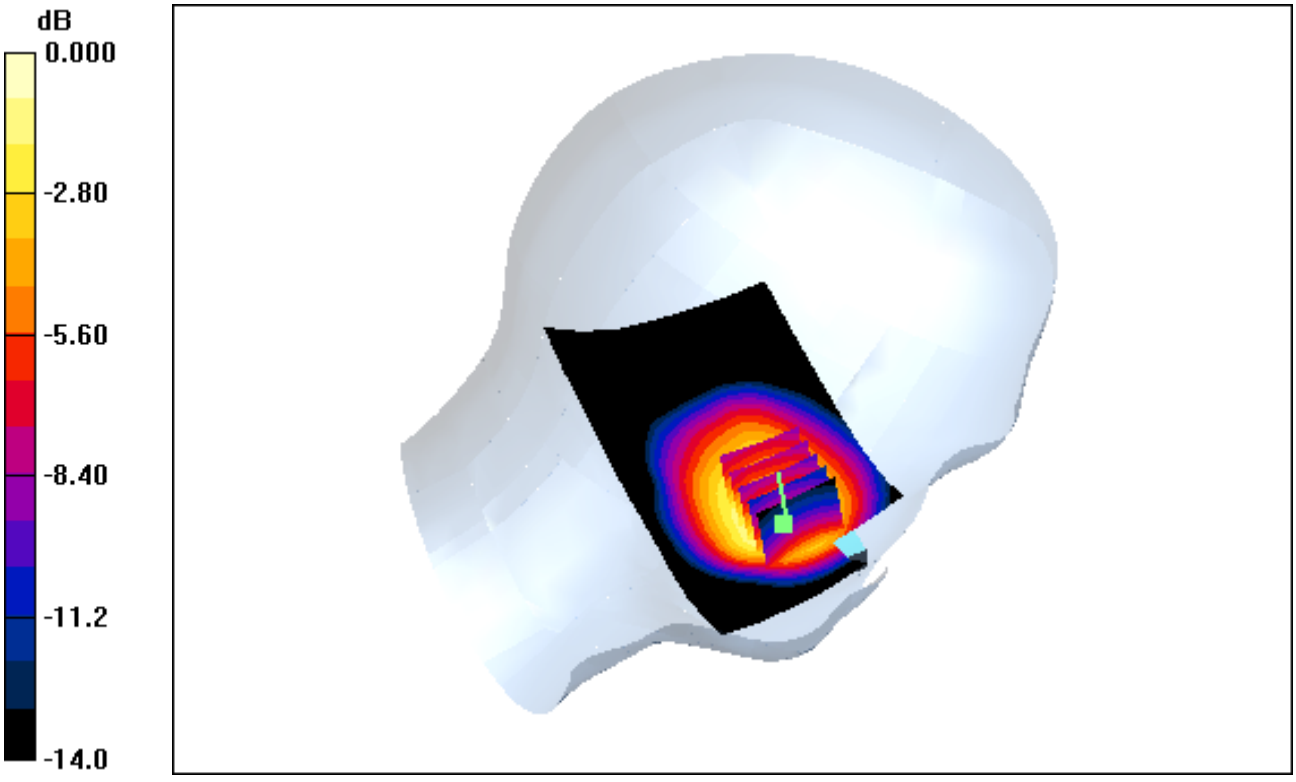
Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.868 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Touch, CDMA Cellular Ch. 1013, Ant Internal, Standard Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.053 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.651 mW/g



0 dB = 1.14mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

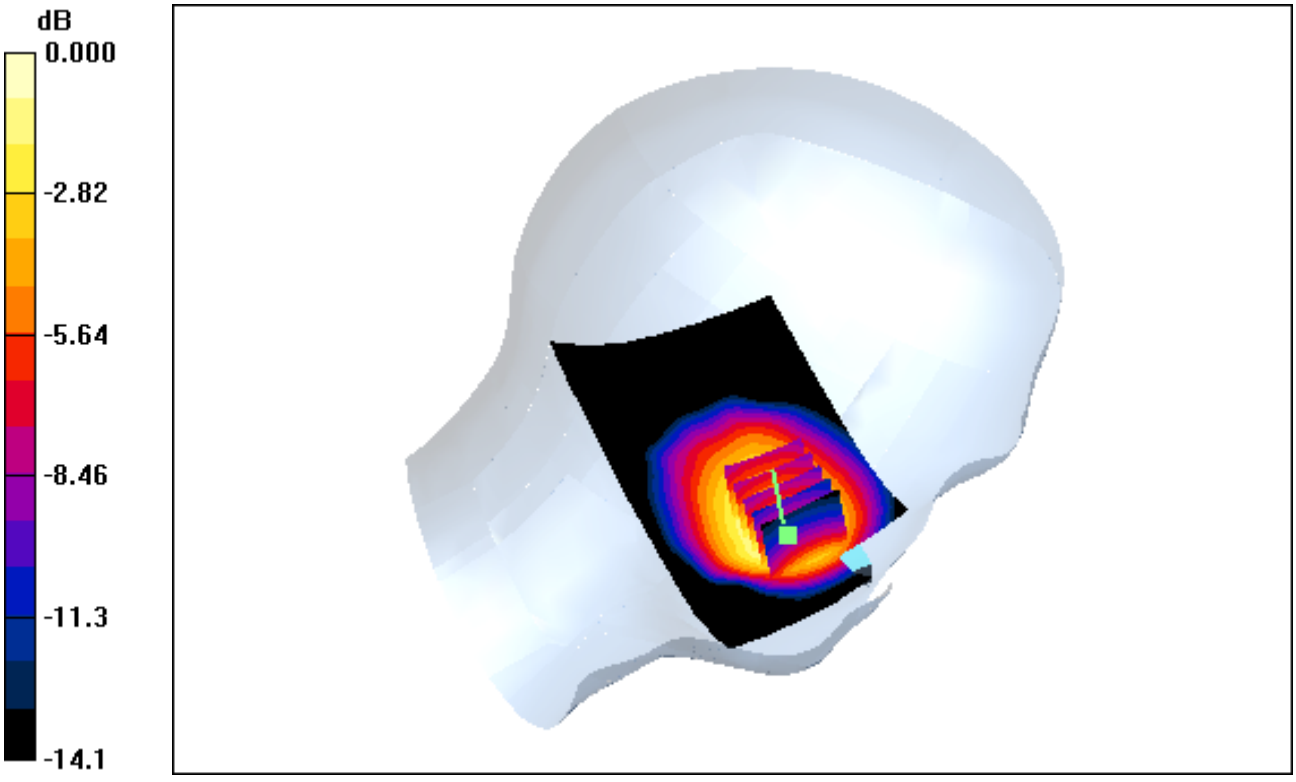
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.877 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Touch, CDMA Cellular Ch. 384, Ant Internal, Standard Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.095 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.564 mW/g



0 dB = 0.991mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

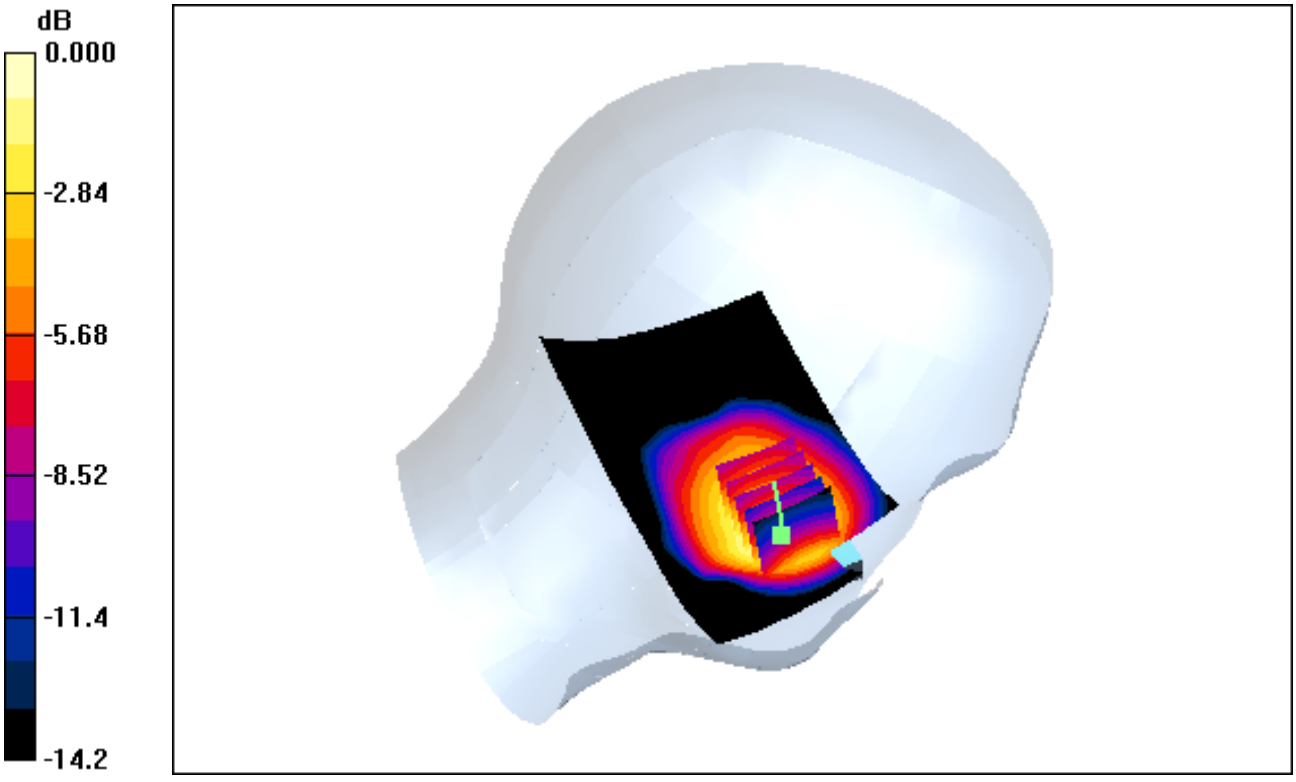
Communication System: CDMA; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.886 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Touch, CDMA Cellular Ch. 777, Ant Internal, Standard Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.021 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.633 mW/g



0 dB = 1.11mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

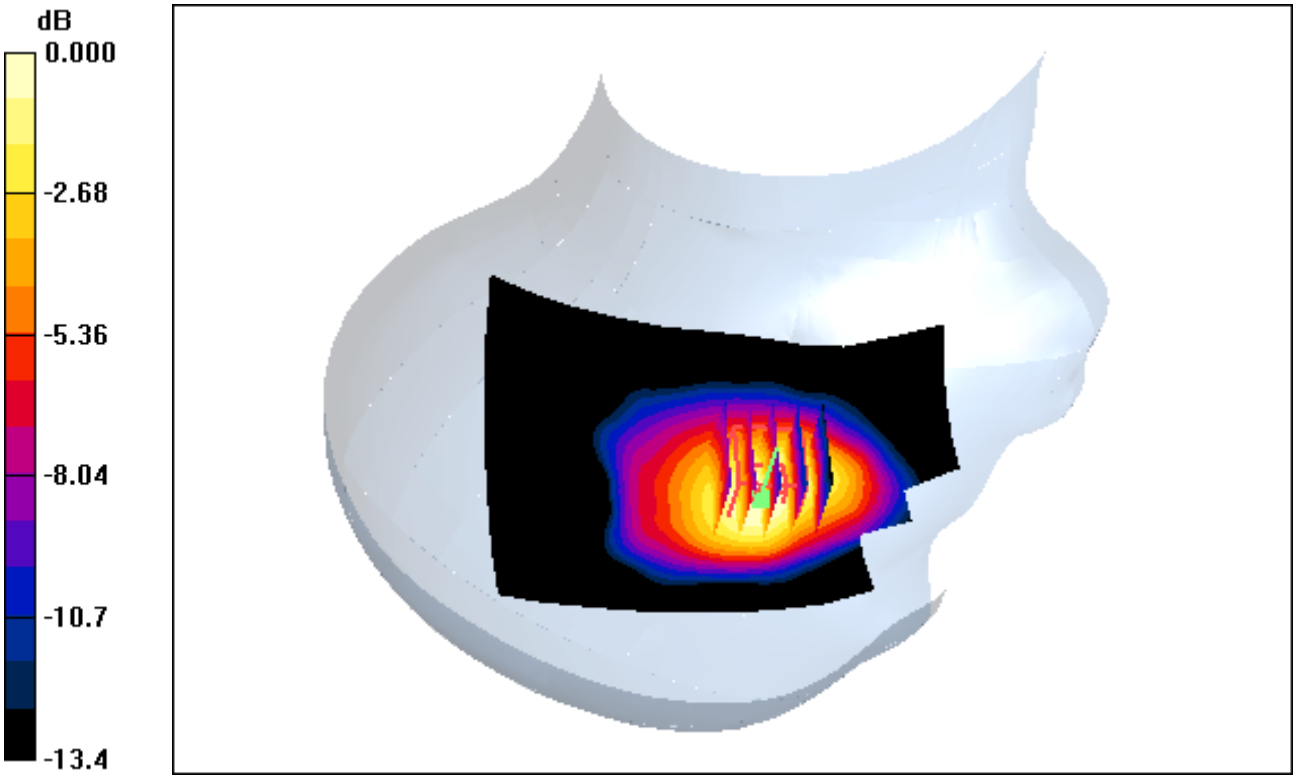
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.877 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Right Touch, CDMA Cellular Ch. 384, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.310 mW/g



0 dB = 0.592mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

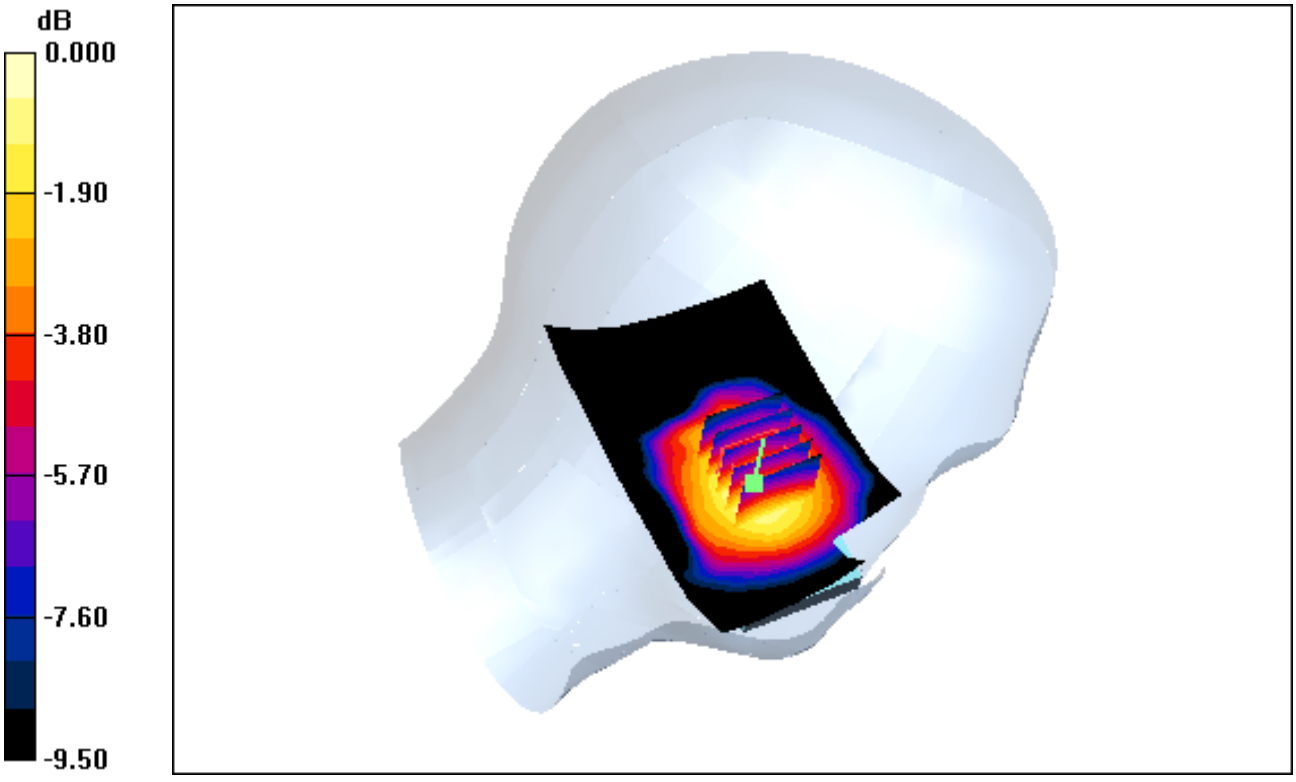
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.877 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Tilt, CDMA Cellular Ch. 384, Ant Internal, Standard Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.162 dB
Peak SAR (extrapolated) = 0.355 W/kg
SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.189 mW/g



0 dB = 0.317mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

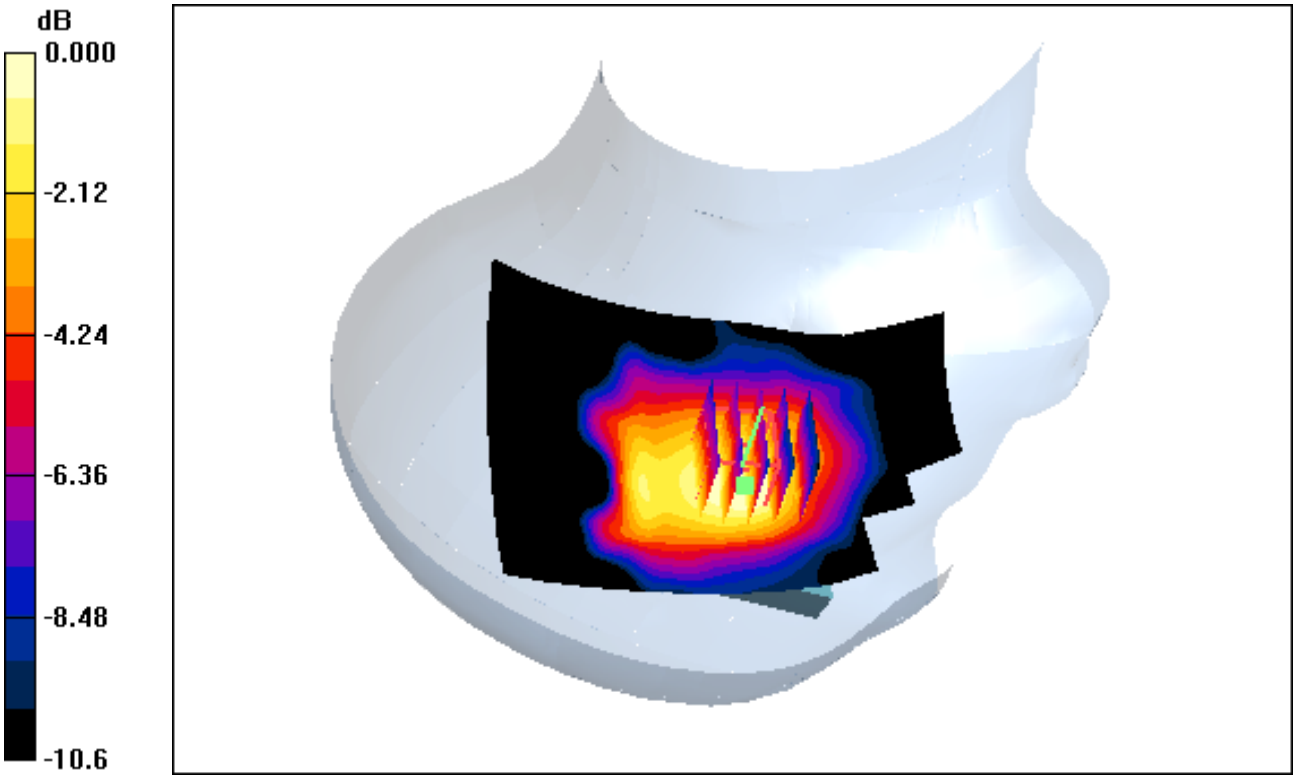
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.877 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Right Tilt, CDMA Cellular Ch. 384, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.088 mW/g



0 dB = 0.155mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.868 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Left Section

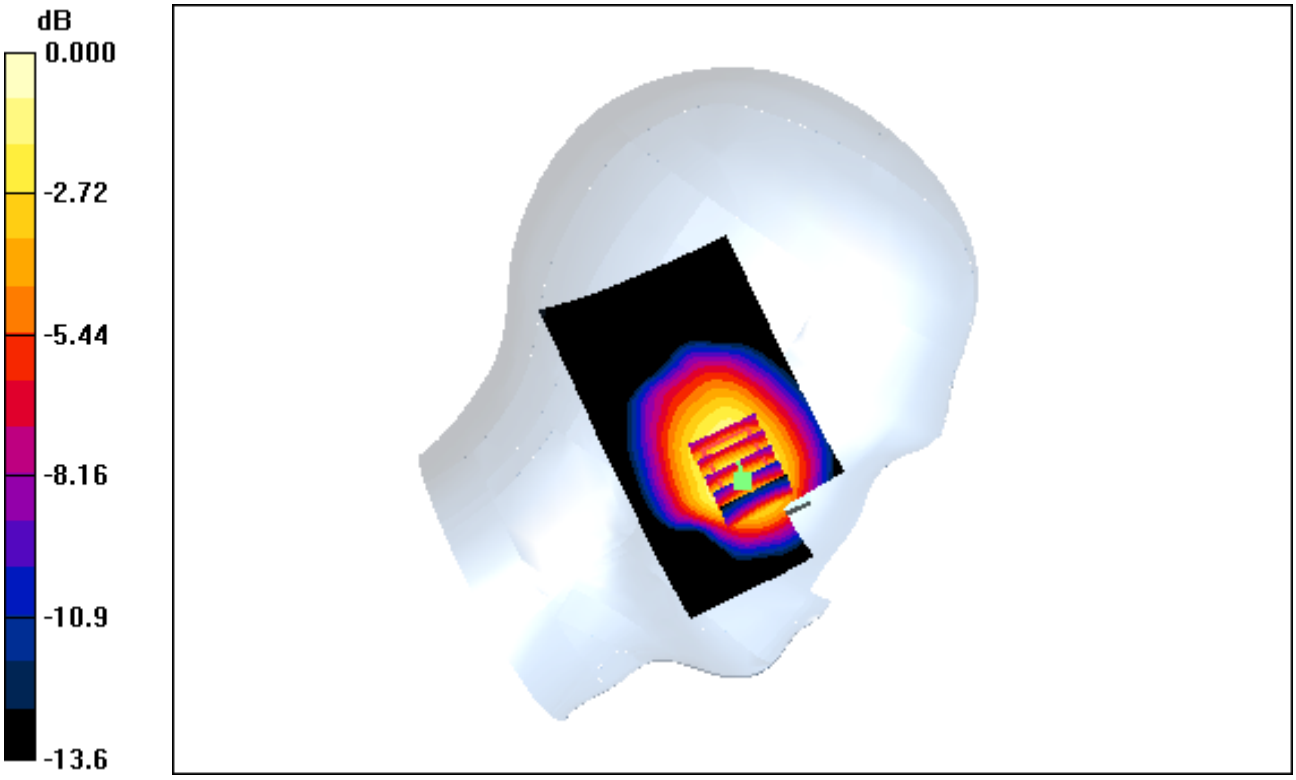
DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Touch, CDMA Cellular Ch. 1013, Ant Internal, Standard Battery

SAR Variaility Result

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.022 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.648 mW/g



0 dB = 1.14mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

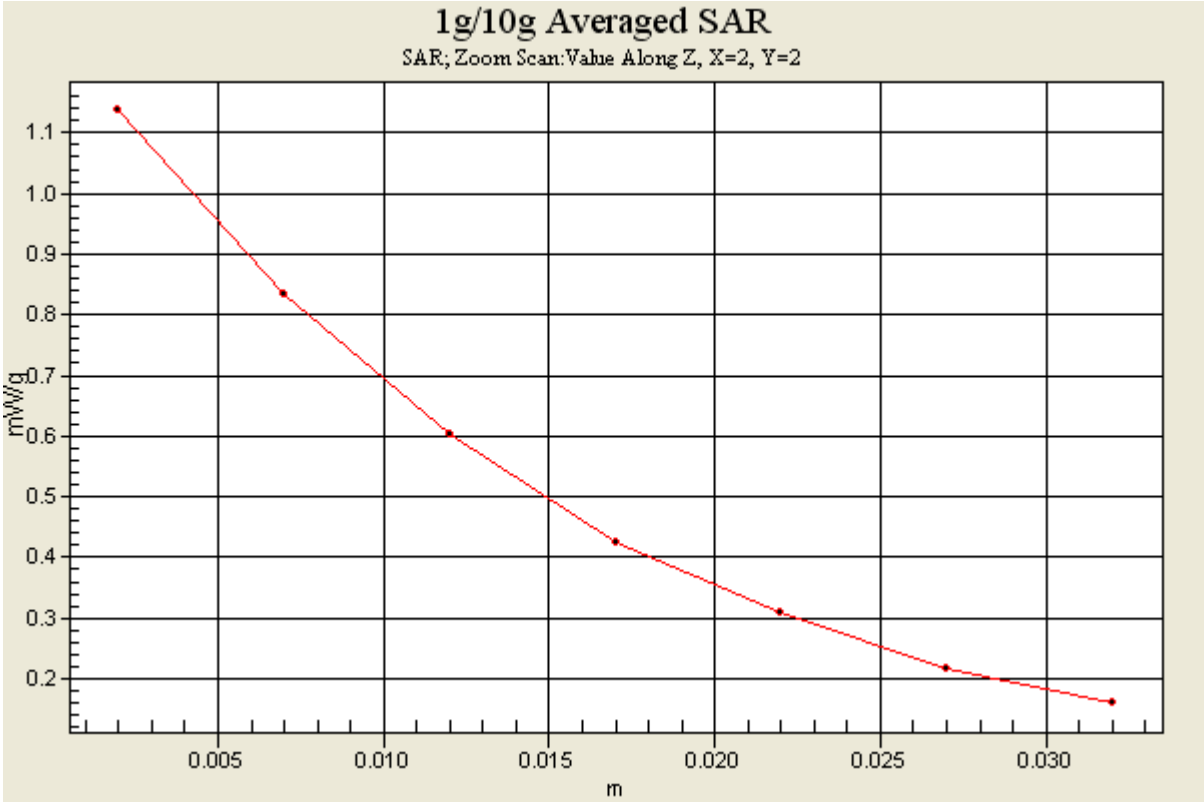
Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.868 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08 Ambient Temp: 21.3 Tissue Temp:21.7

Left Touch, CDMA Cellular Ch. 1013, Ant Internal, Standard Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.053 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.651 mW/g



DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

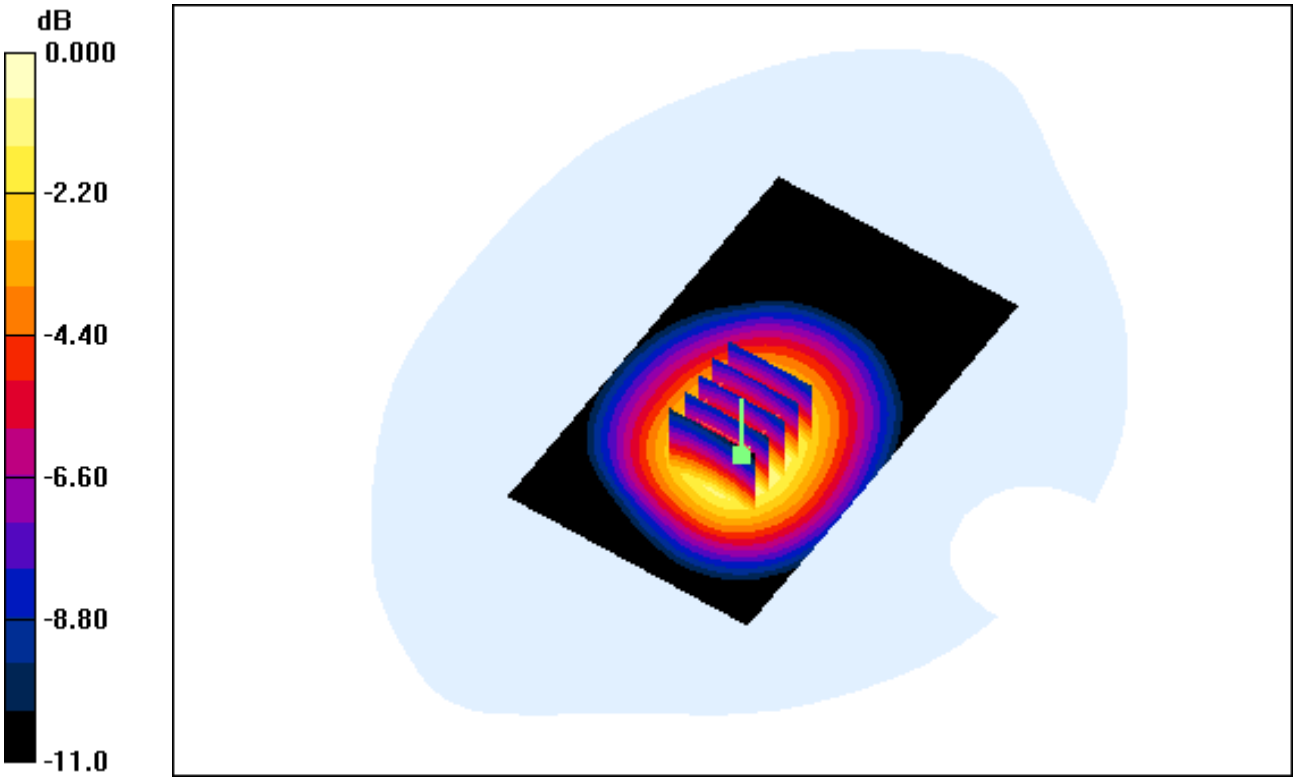
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.959 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.14, 9.14, 9.14); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08; Ambient Temp: 21.3; Tissue Temp:21.6

1.5 cm space from Body, Front, CDMA Cellular Ch. 384, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.150 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.243 mW/g



0 dB = 0.432mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

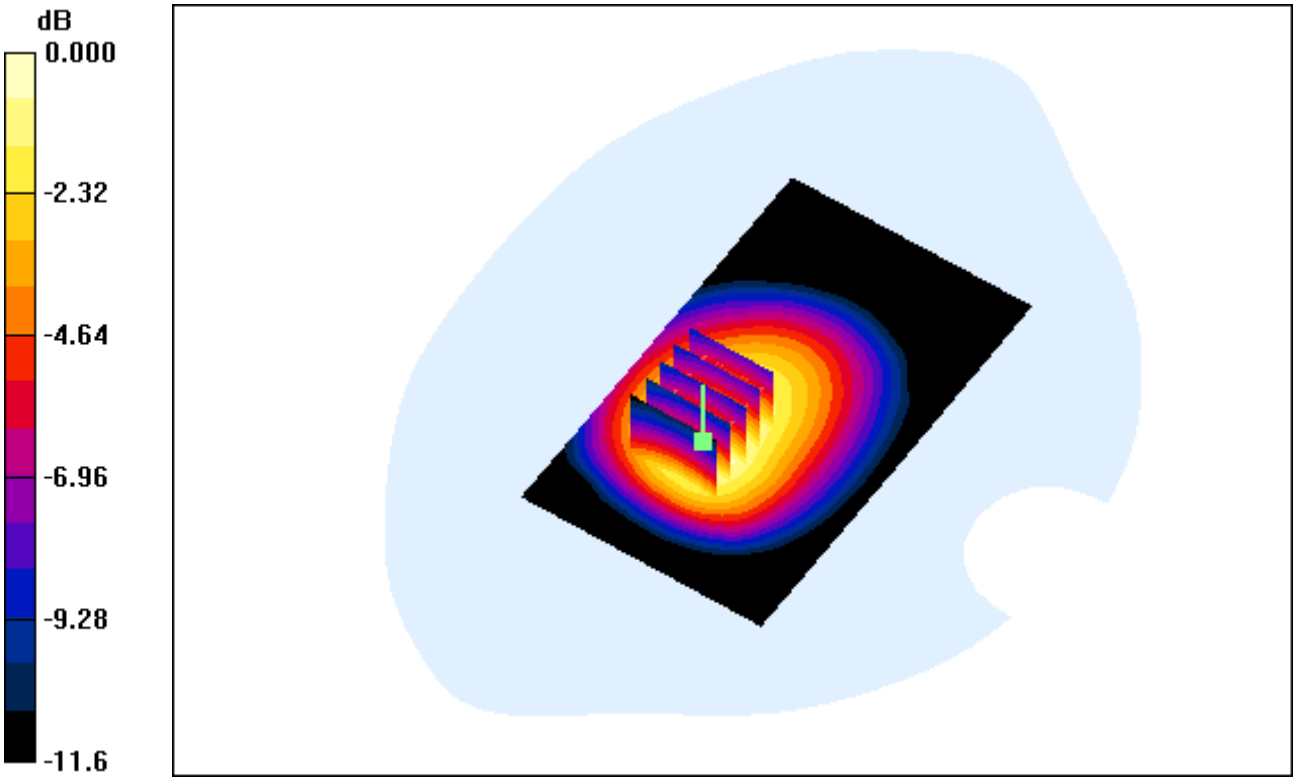
Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.959 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.14, 9.14, 9.14); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08; Ambient Temp: 21.3; Tissue Temp:21.6

1.5 cm space from Body, Rear, CDMA Cellular Ch. 384, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.053 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.237 mW/g



0 dB = 0.421mW/g

DIGITAL EMC CO., LTD

DUT: KCMH01; Type: Bar

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.959 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(9.14, 9.14, 9.14); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-04-08; Ambient Temp: 21.3; Tissue Temp:21.6

1.5 cm space from Body, Front, CDMA Cellular Ch. 384, Ant Internal

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.150 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.243 mW/g