

SAR Test Plots – Head SAR

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

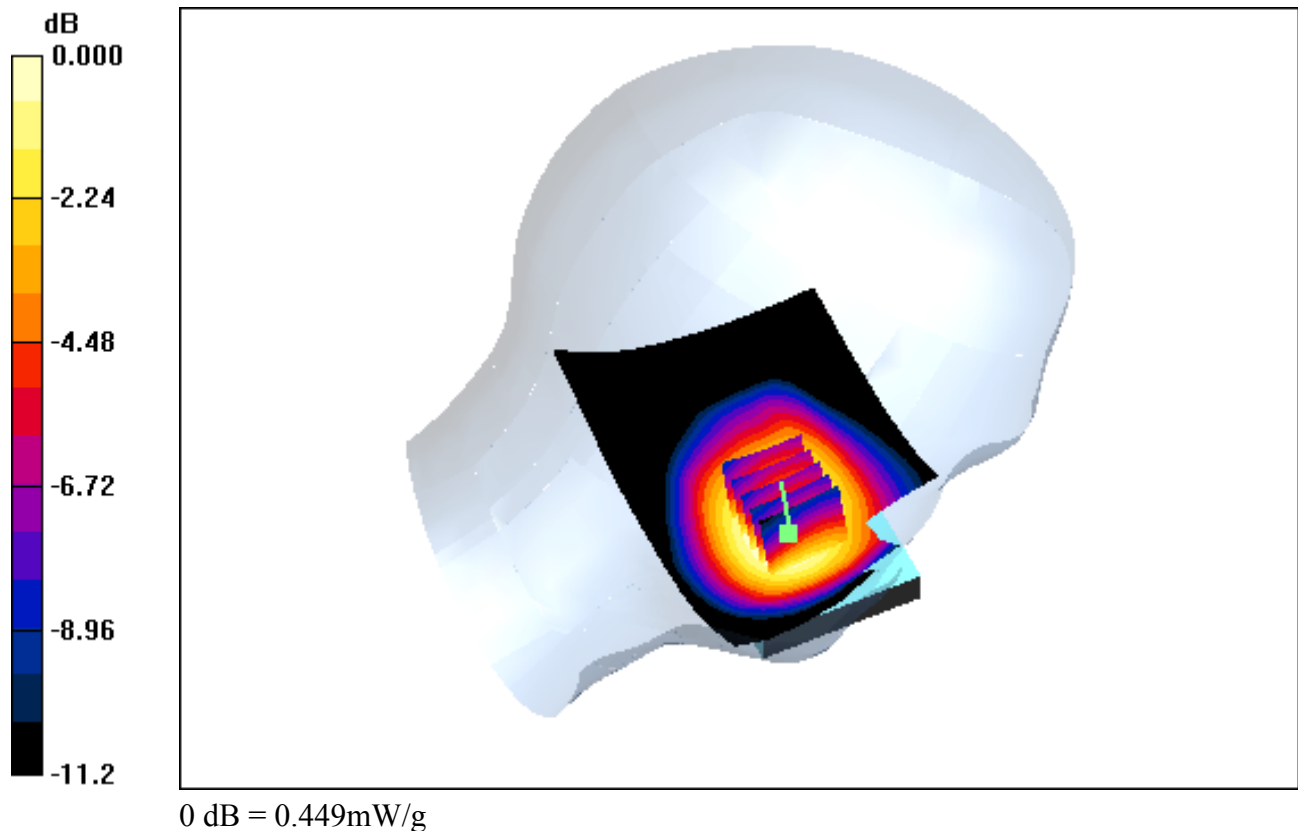
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.279 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

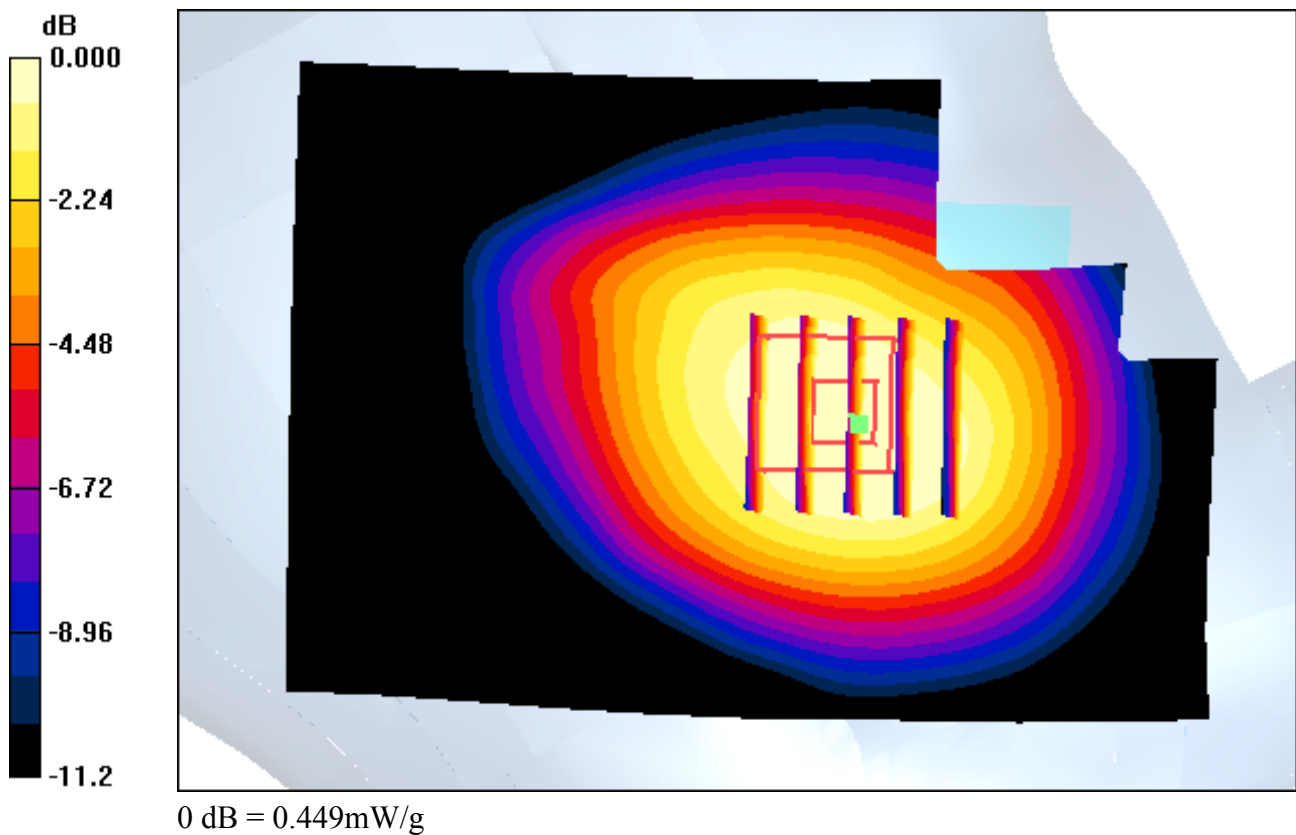
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.279 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

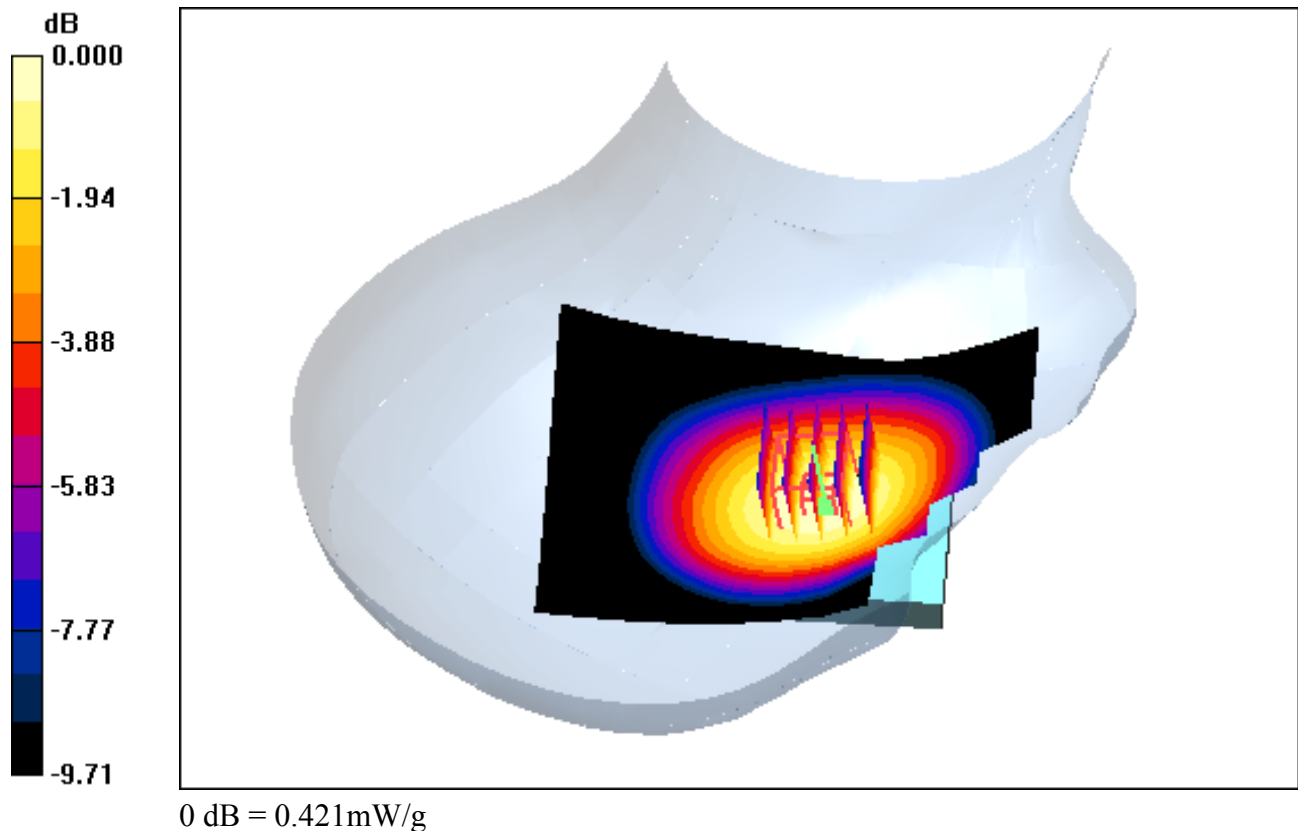
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.276 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

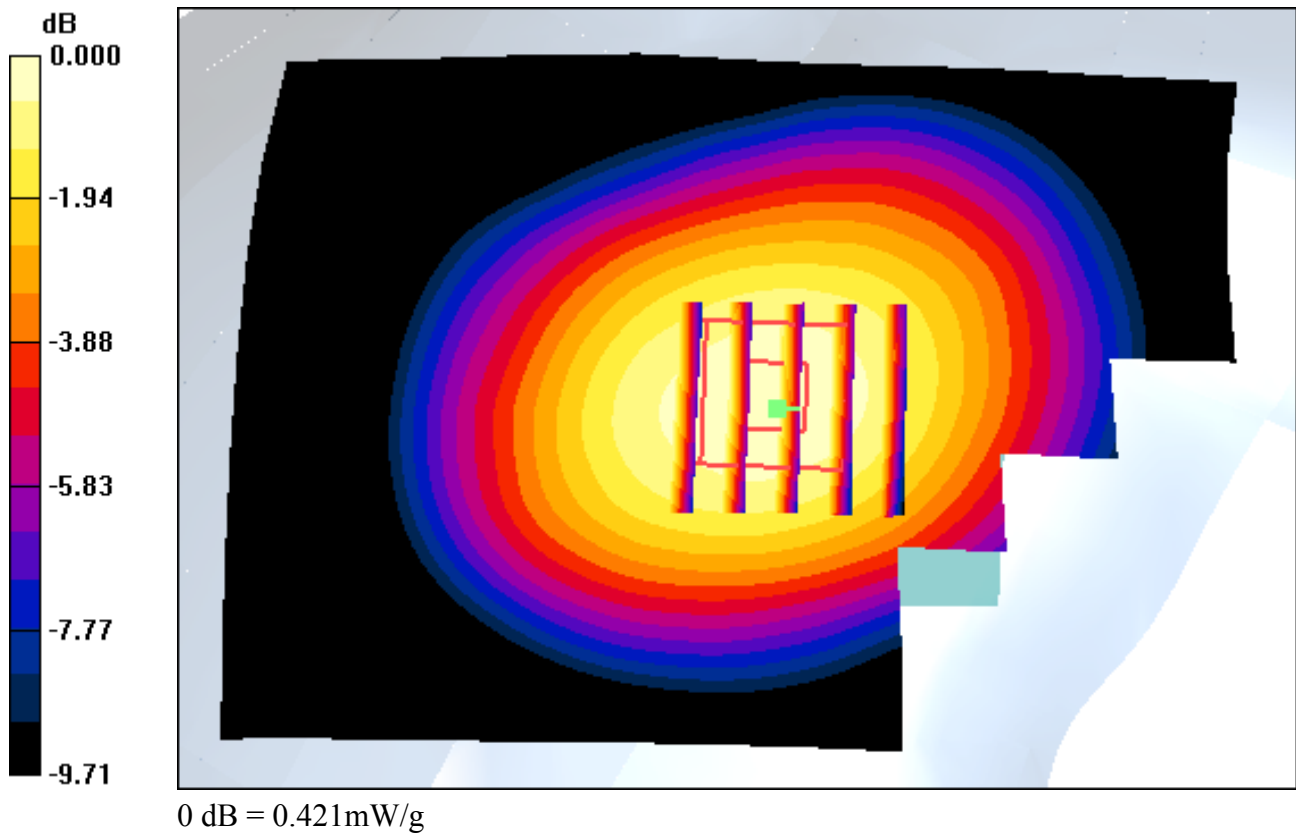
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.107 dB
Peak SAR (extrapolated) = 0.463 W/kg
SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.276 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

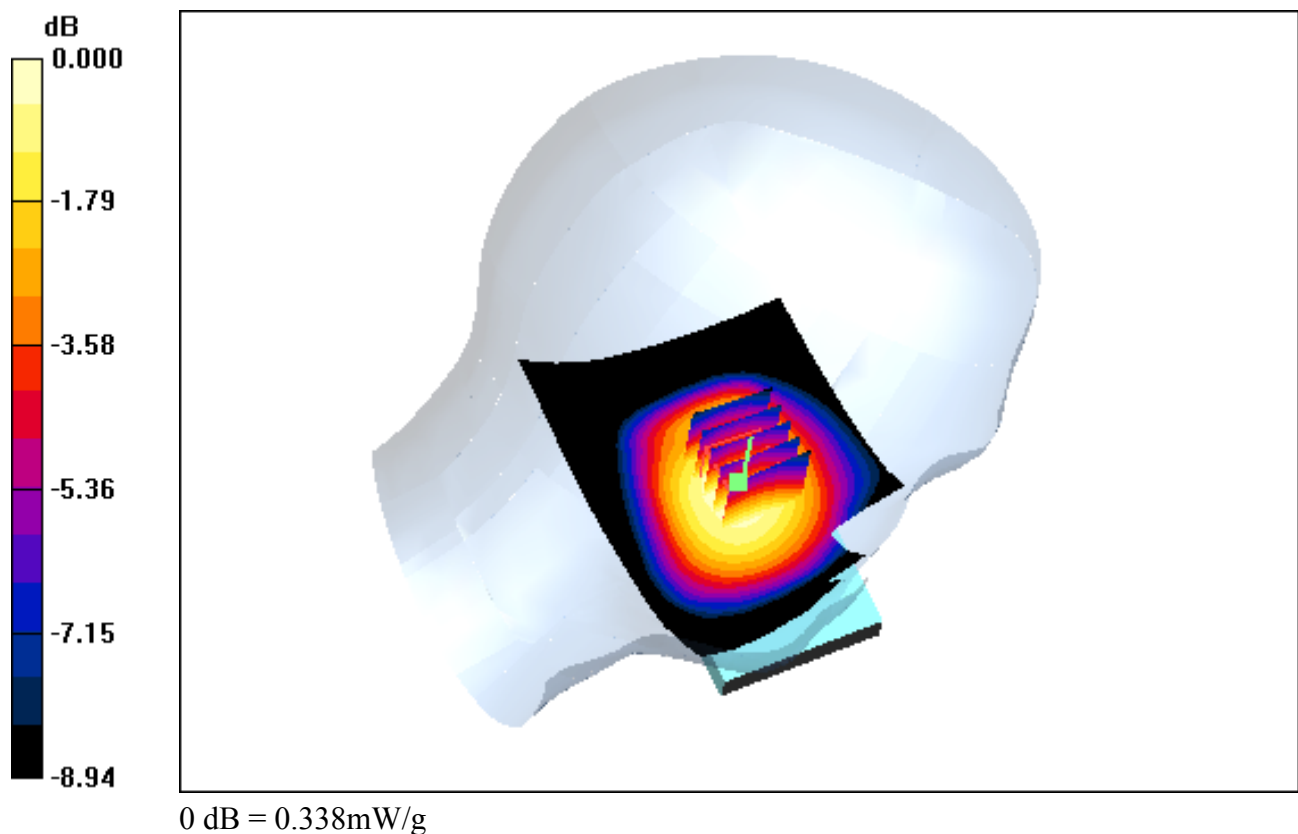
DASY4 Configuration:

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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.025 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.224 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

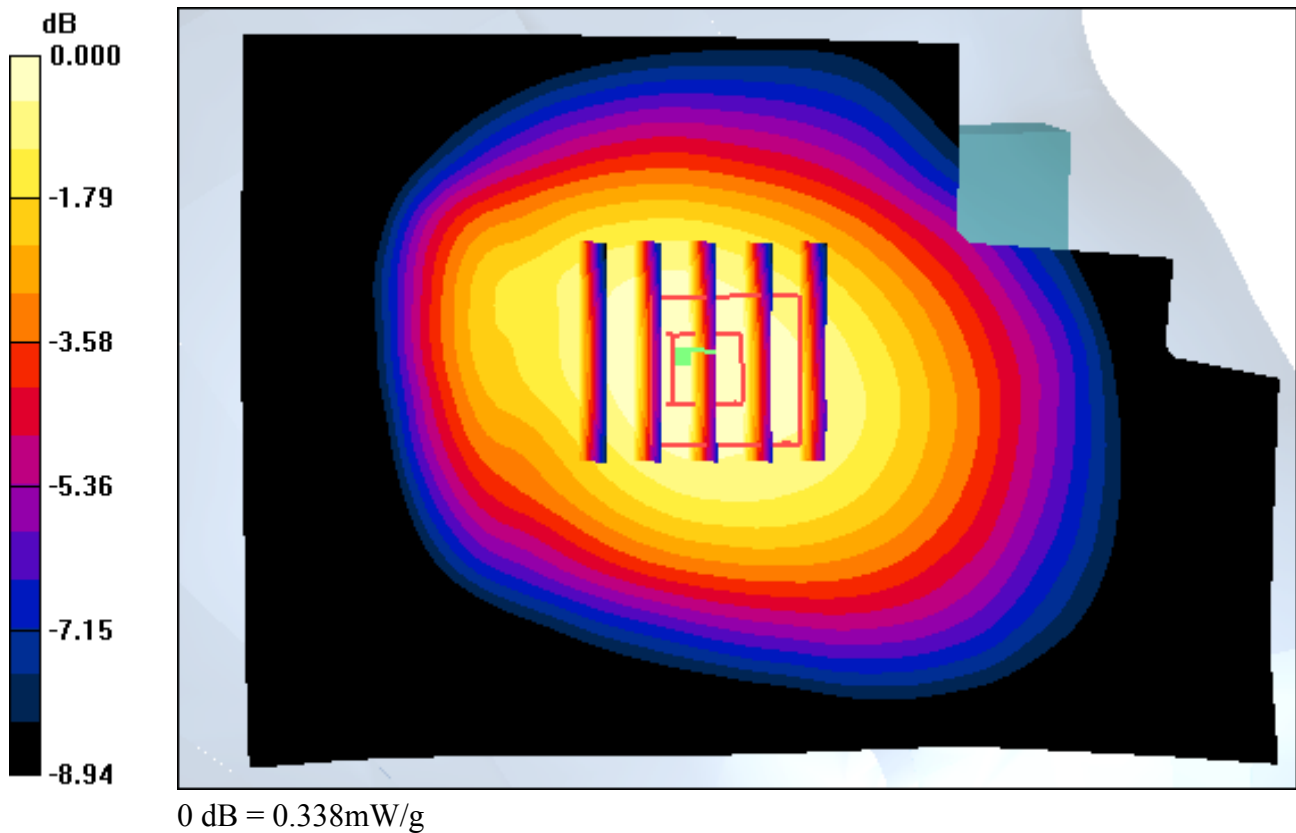
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
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DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

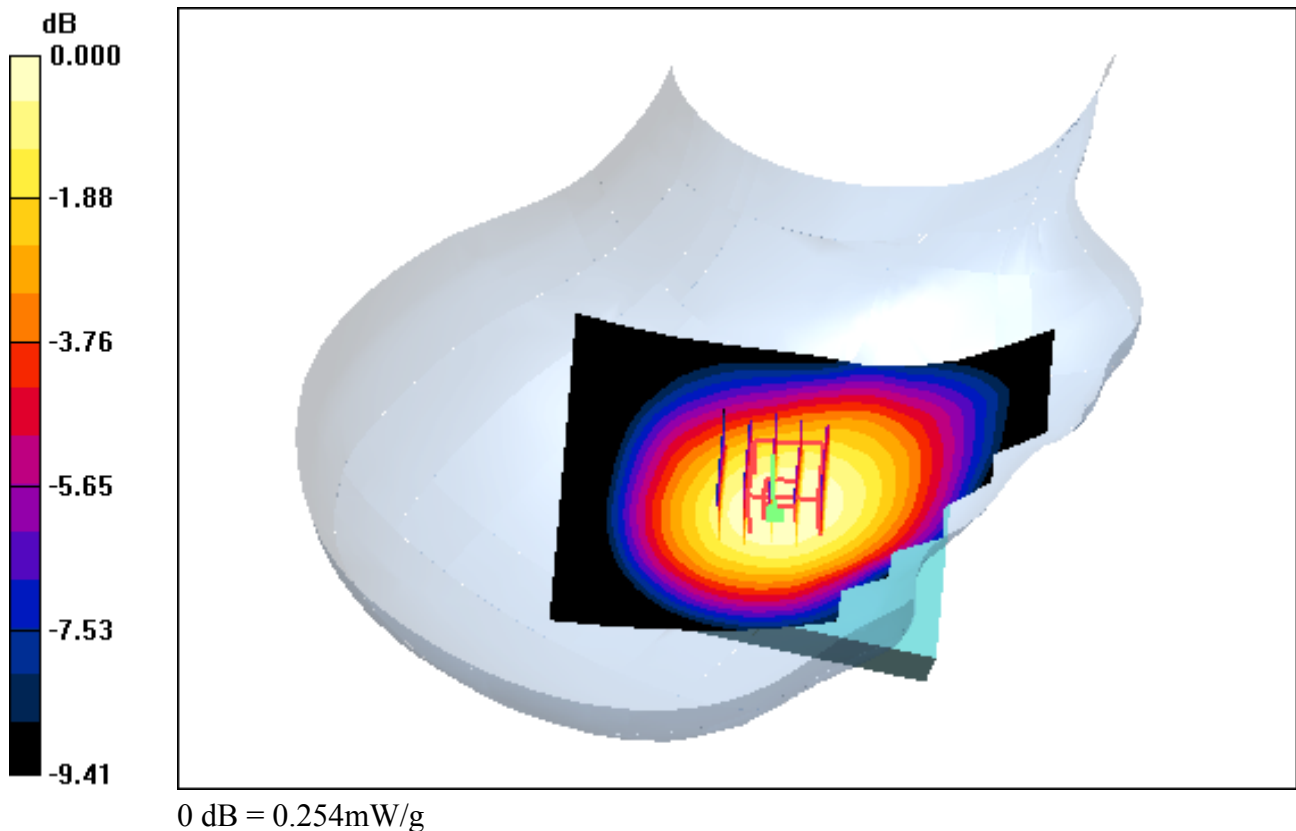
DASY4 Configuration:

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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.168 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

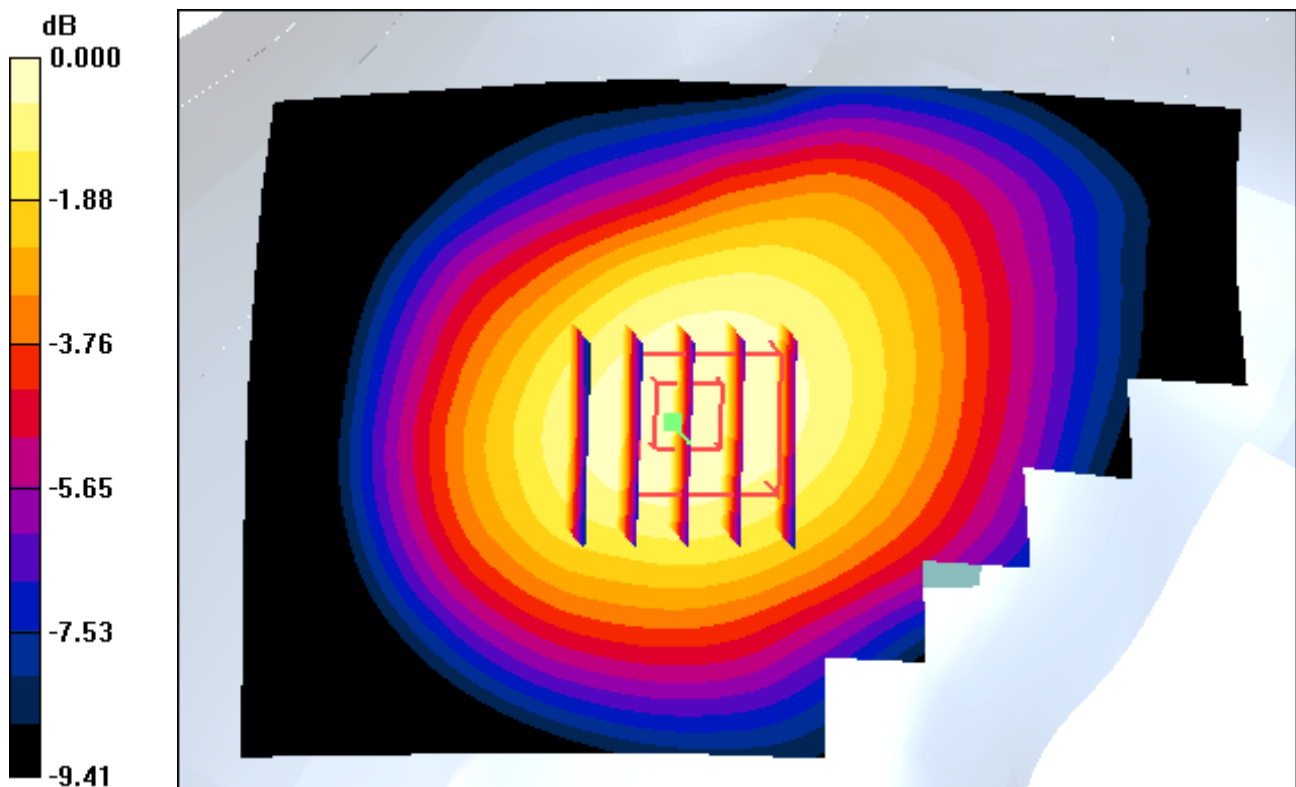
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.168 W/kg



0 dB = 0.254mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

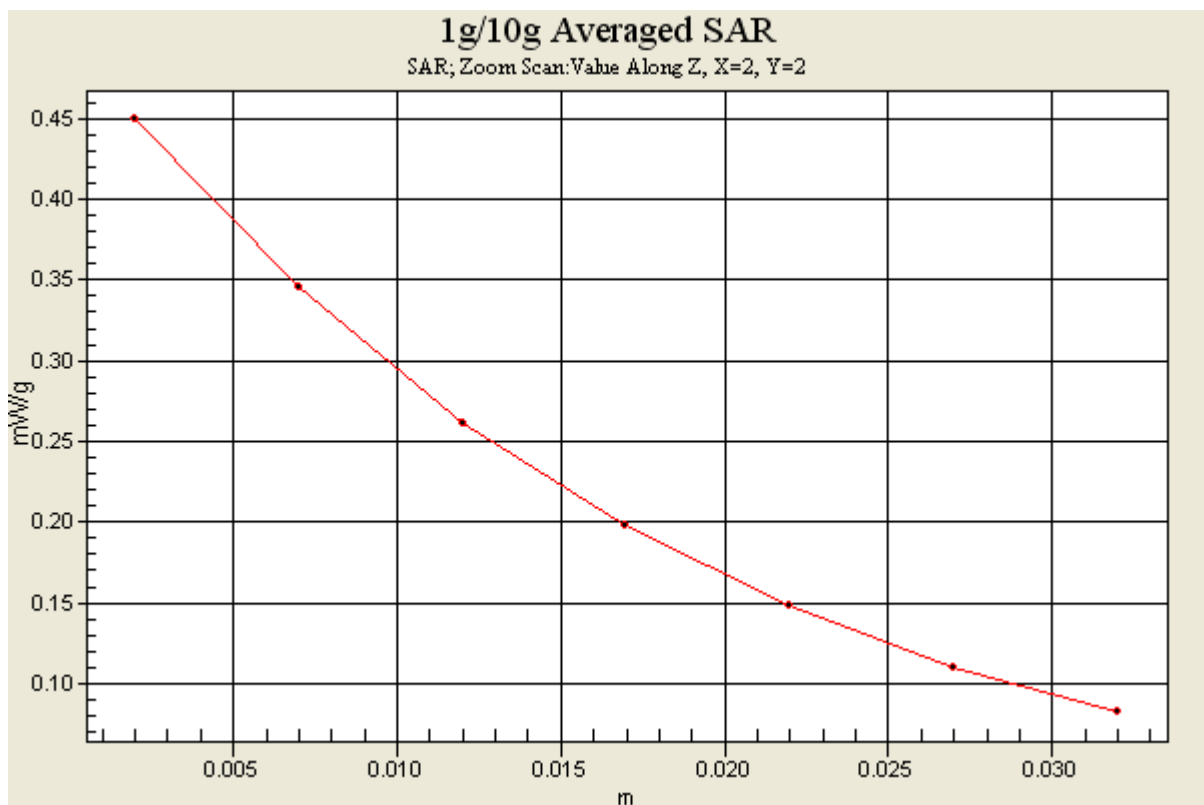
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.279 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 1 Tx Ch. 190, Ant Internal, Standard Battery

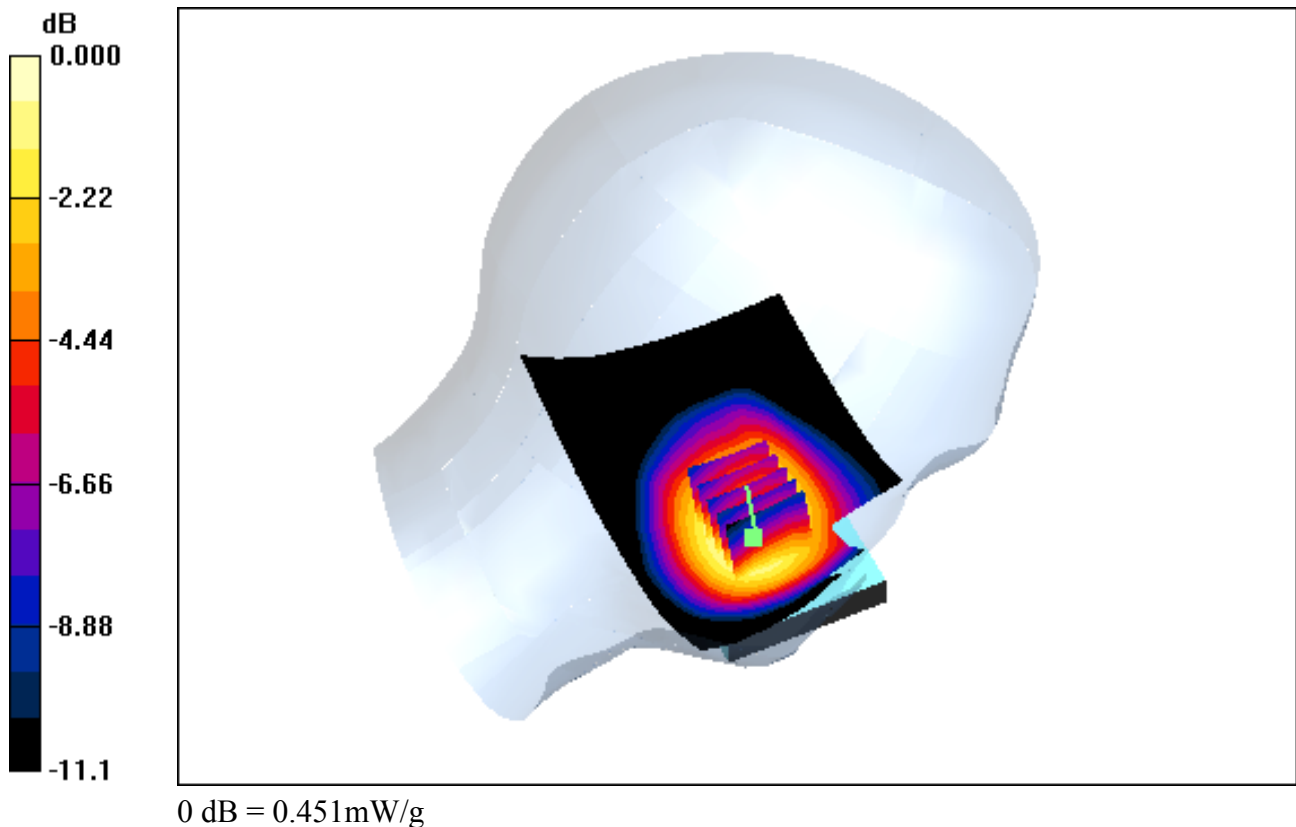
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.281 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

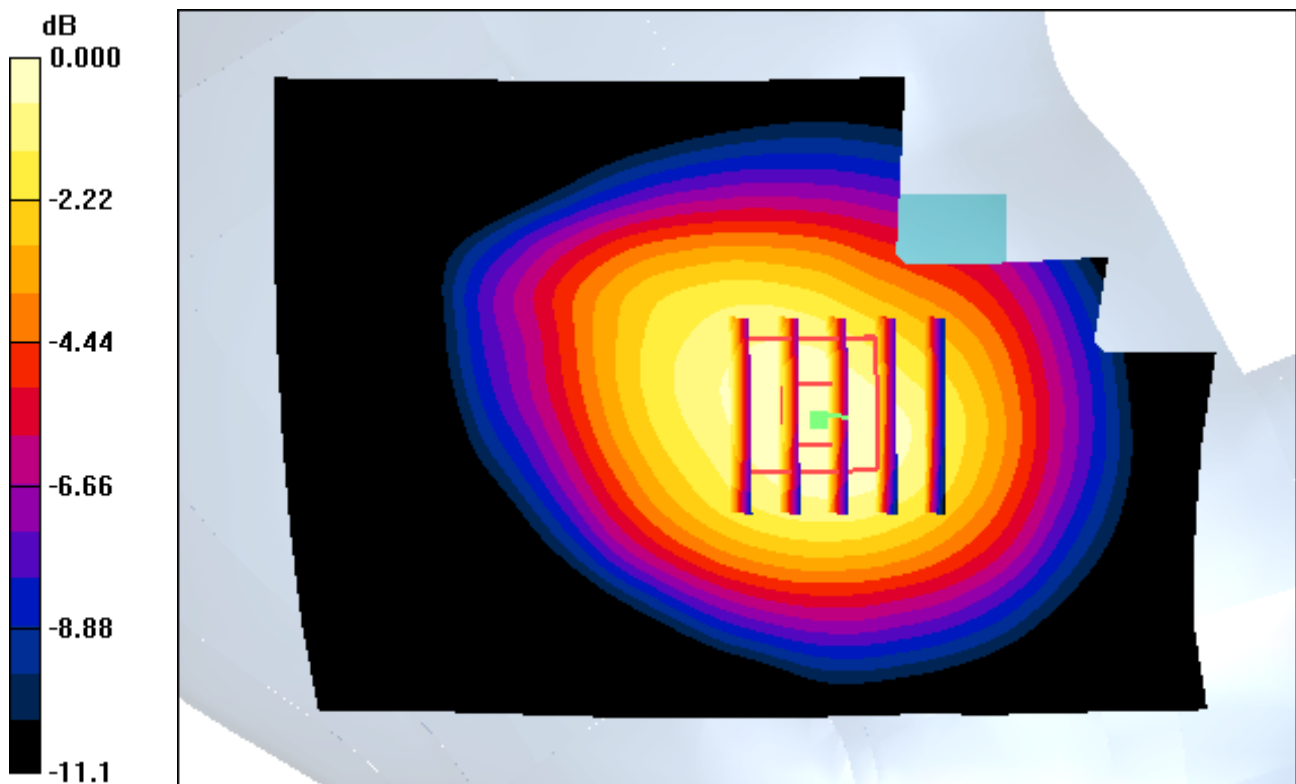
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 1 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.029 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.281 W/kg



0 dB = 0.451mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

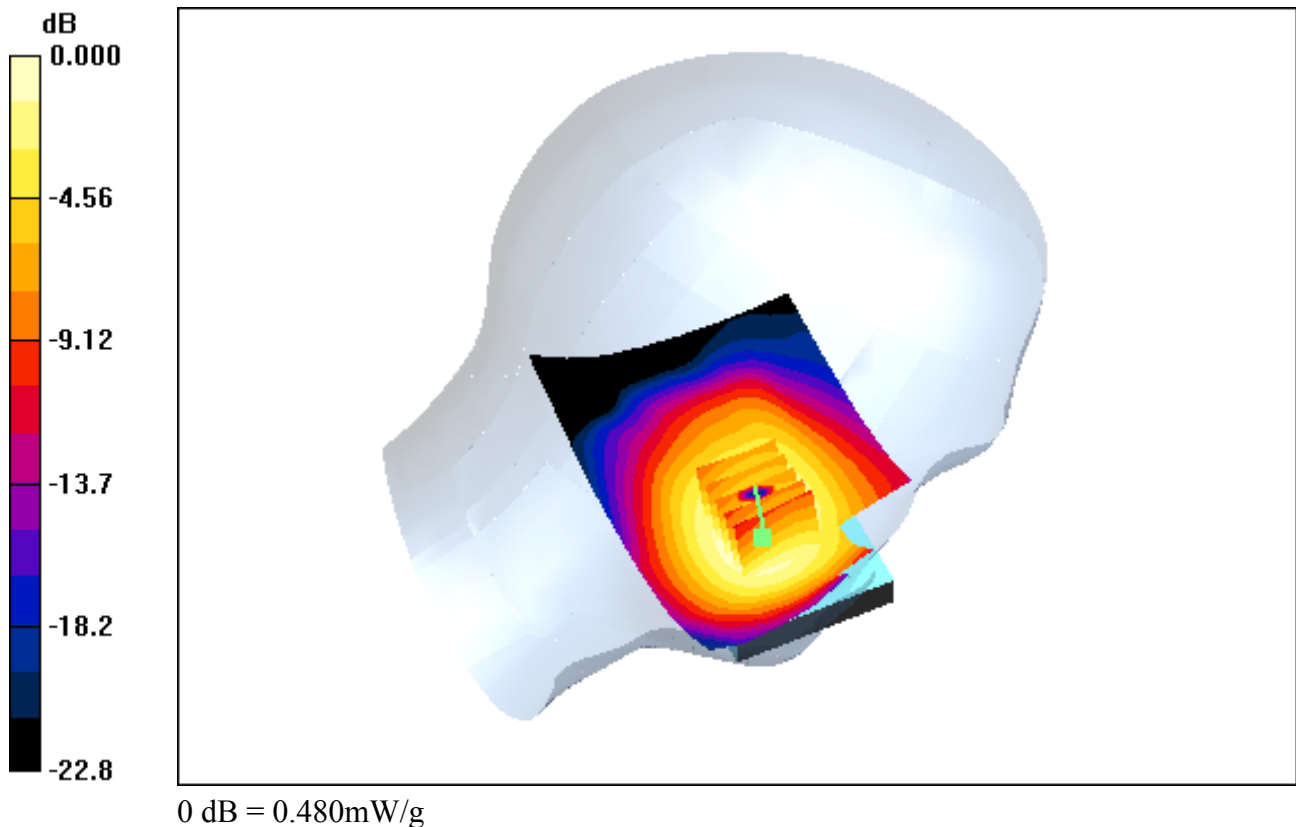
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.546 W/kg

SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.299 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

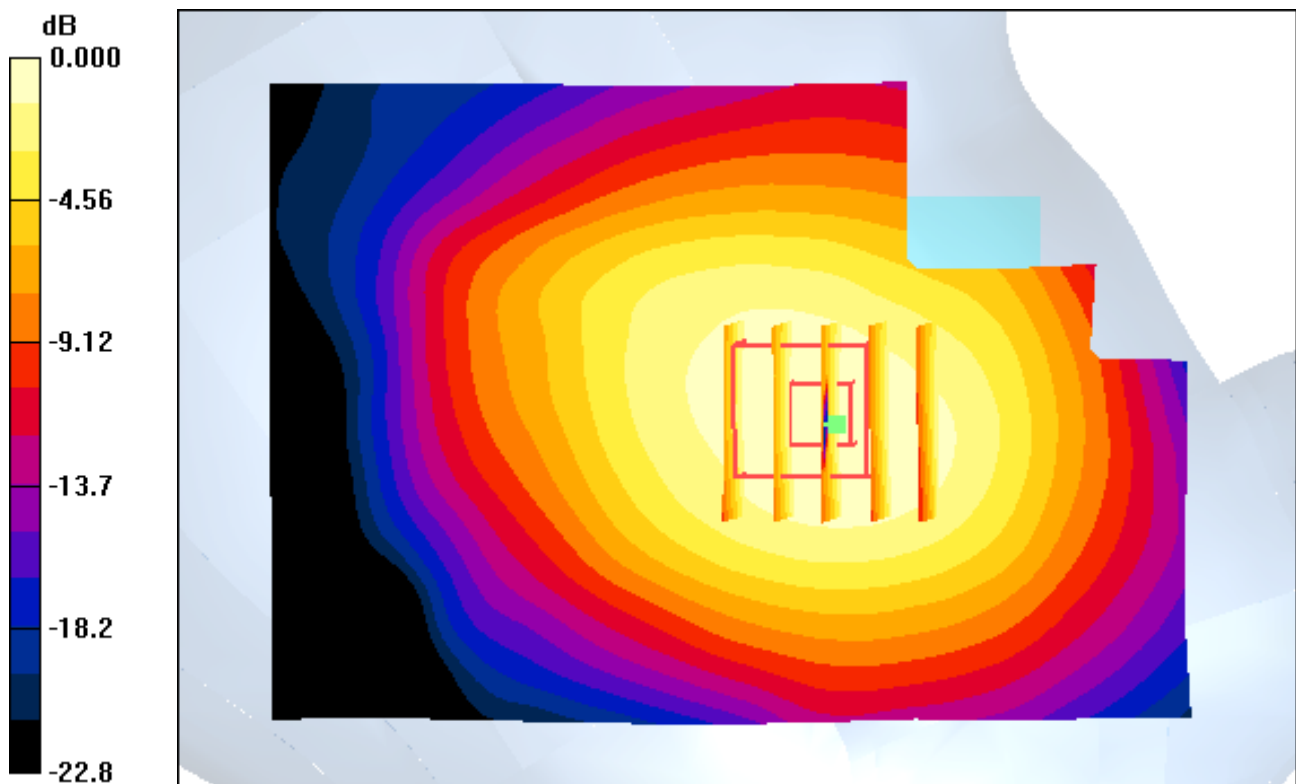
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.546 W/kg

SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.299 W/kg



0 dB = 0.480mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

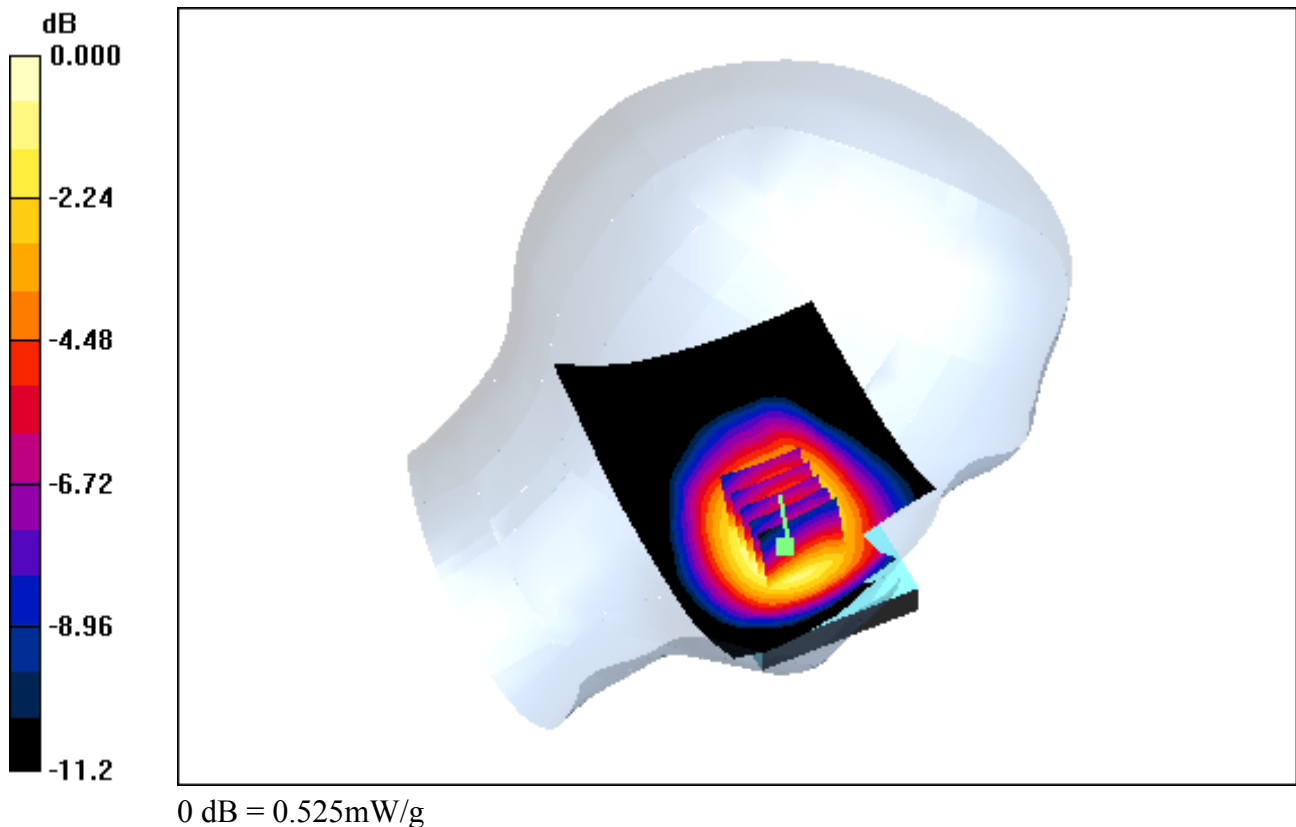
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.328 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

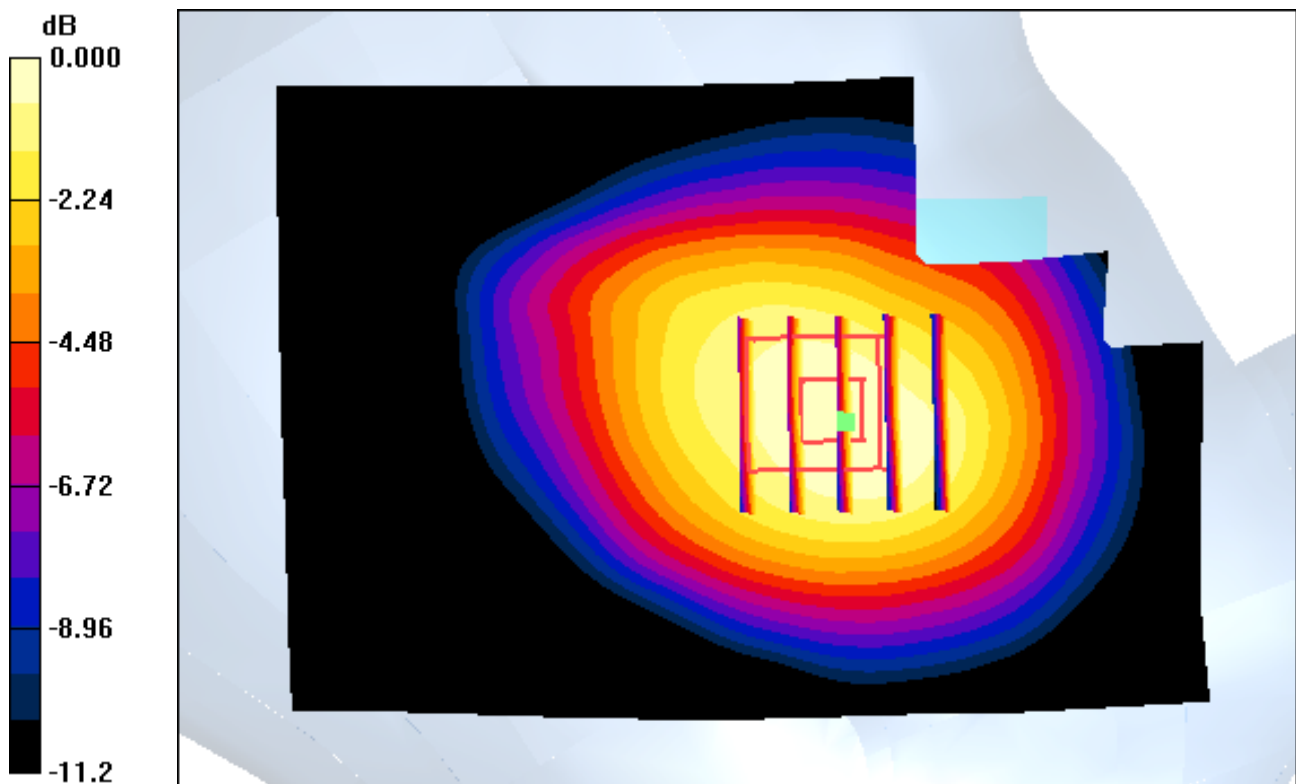
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.328 W/kg



0 dB = 0.525mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

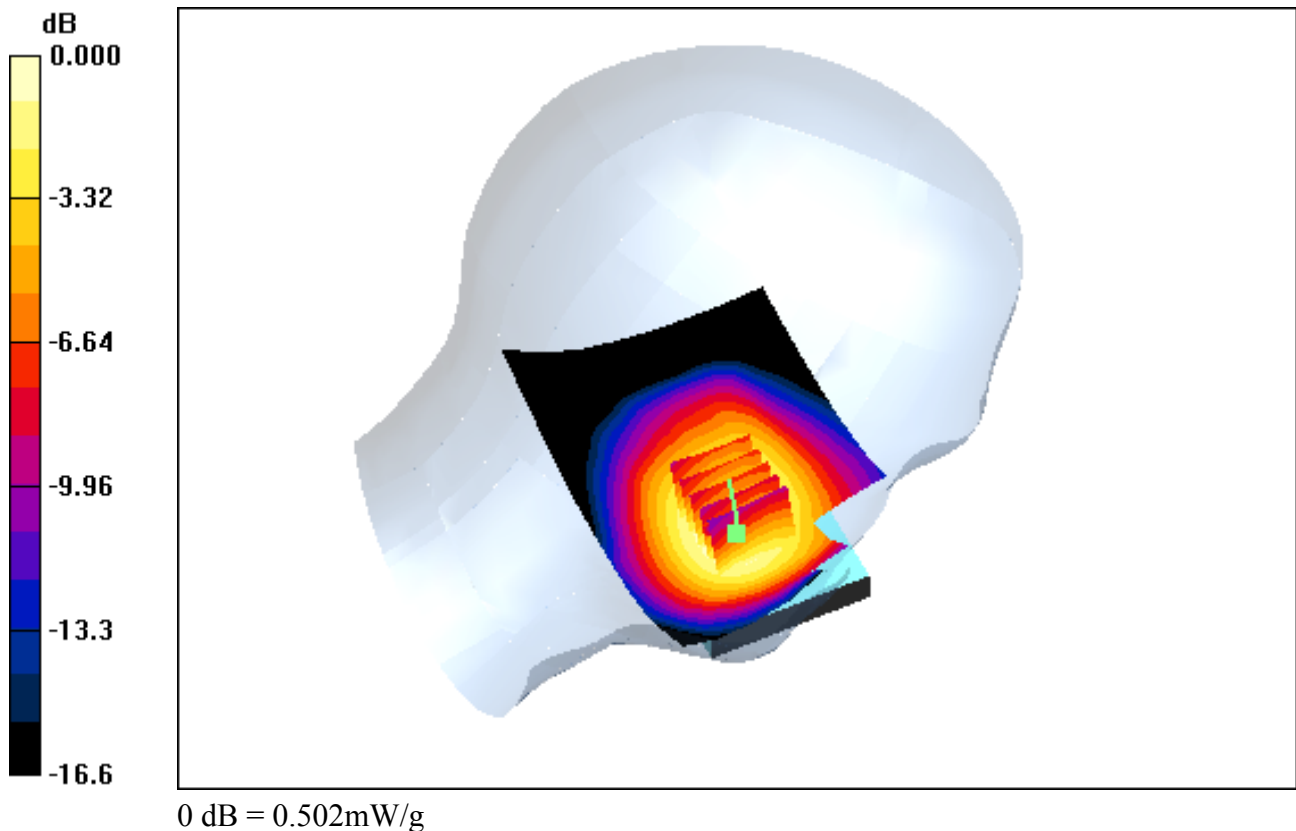
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.312 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

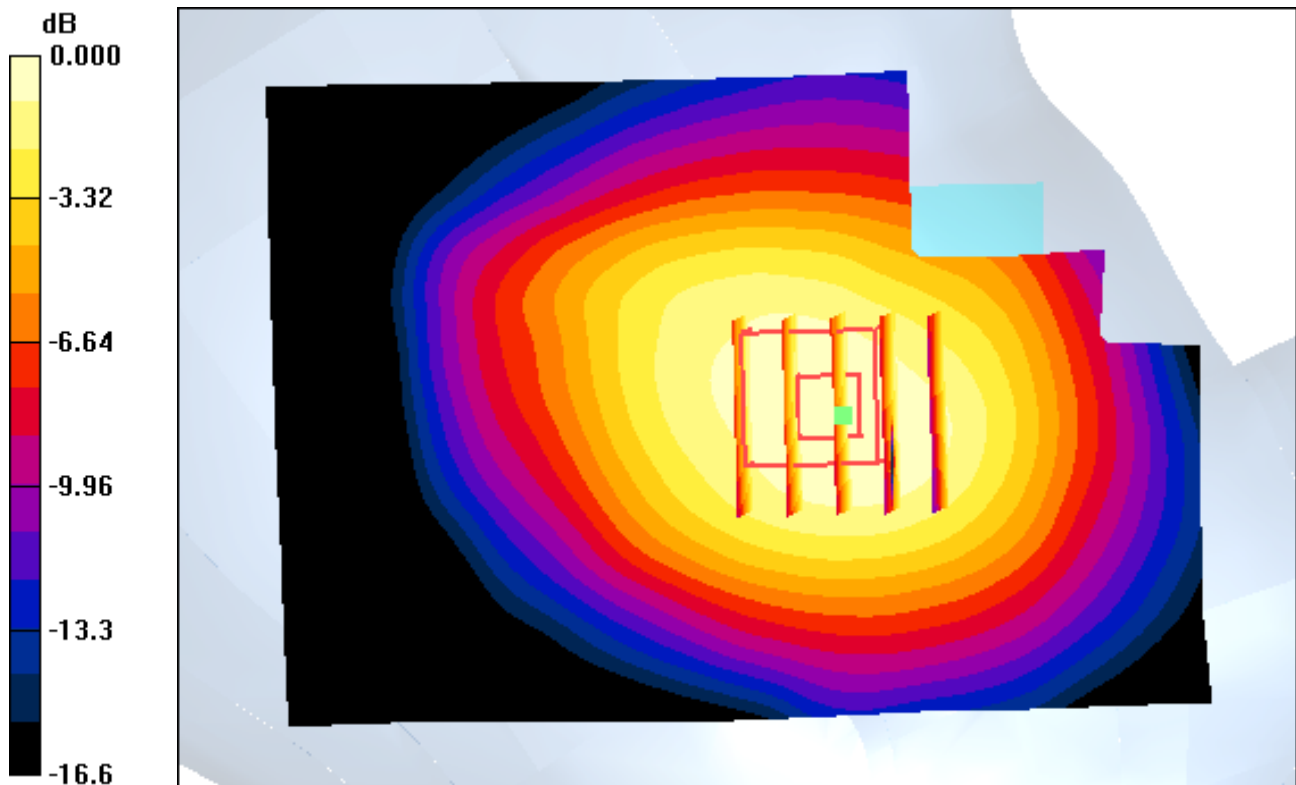
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.312 W/kg



0 dB = 0.502mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

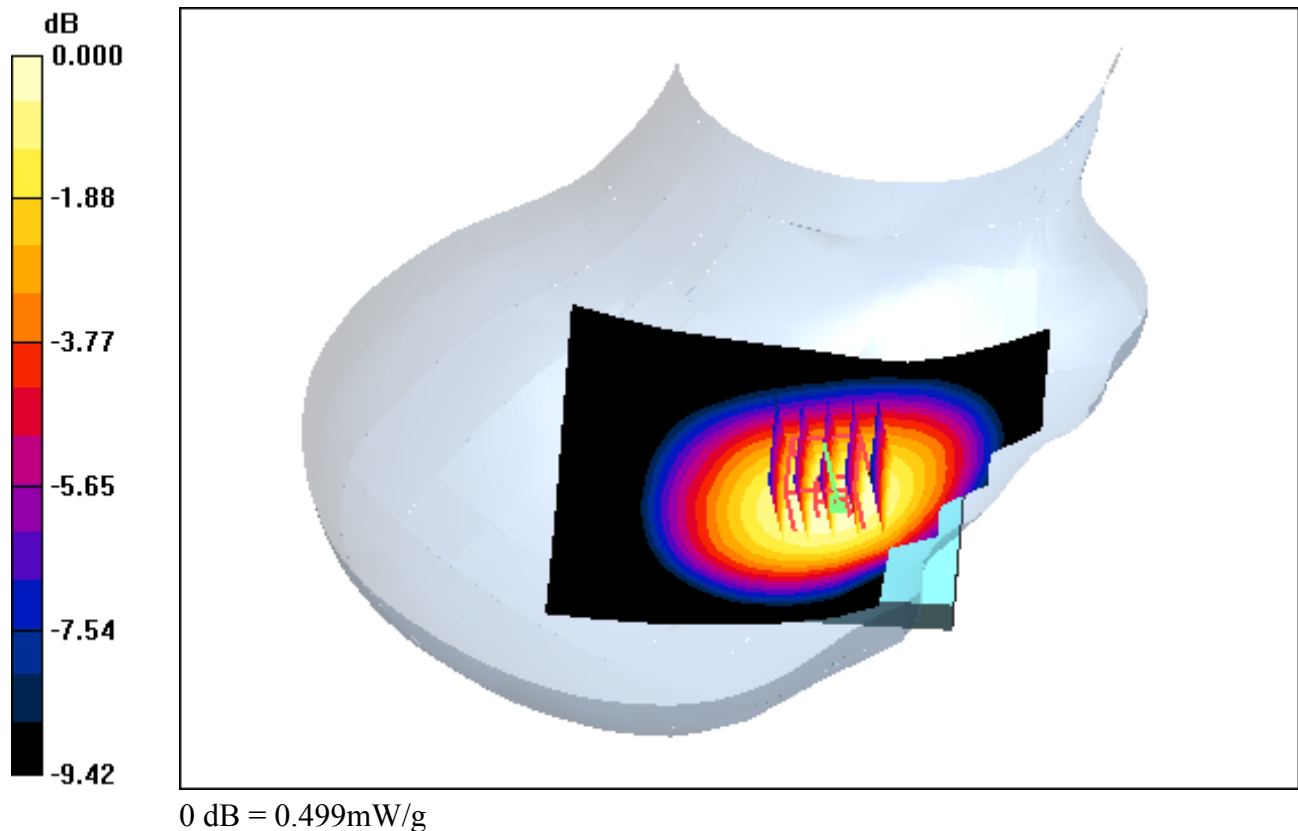
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.326 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

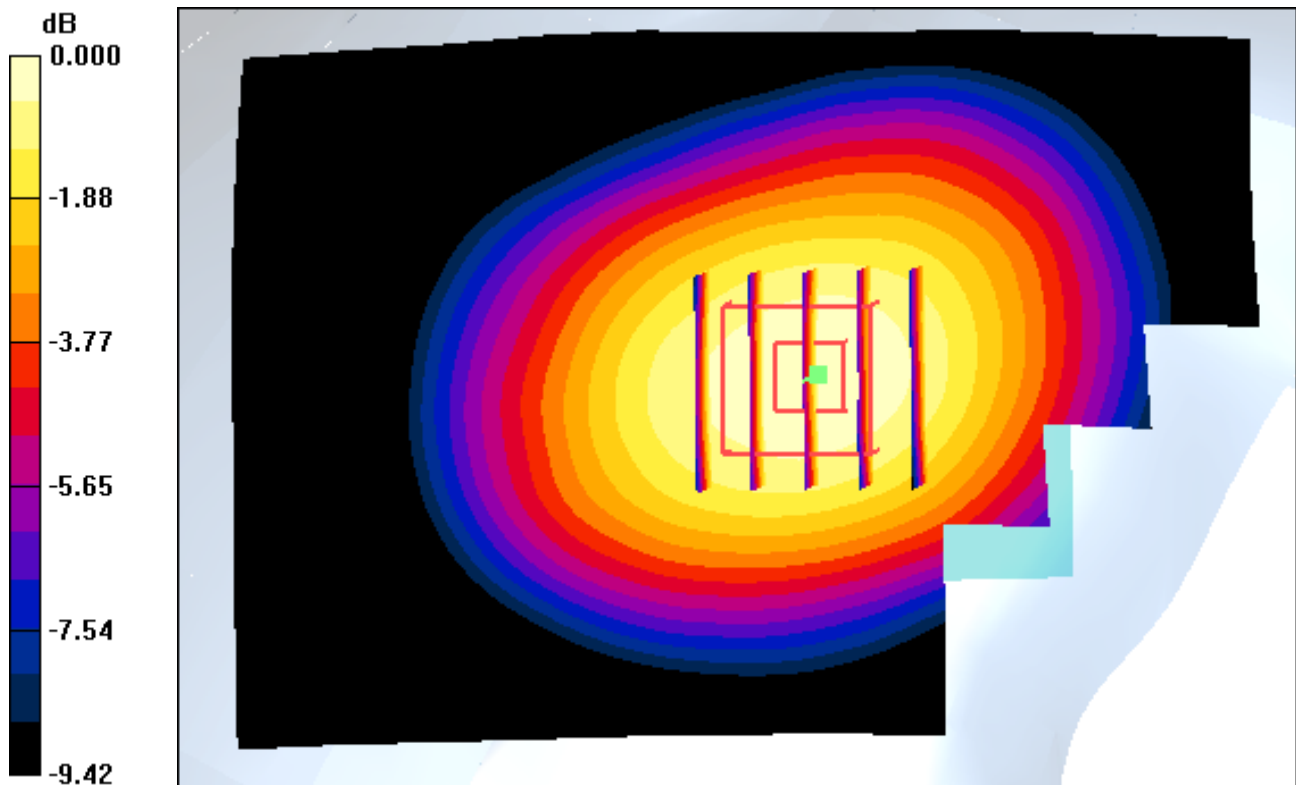
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.326 W/kg



0 dB = 0.499mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Tilt, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

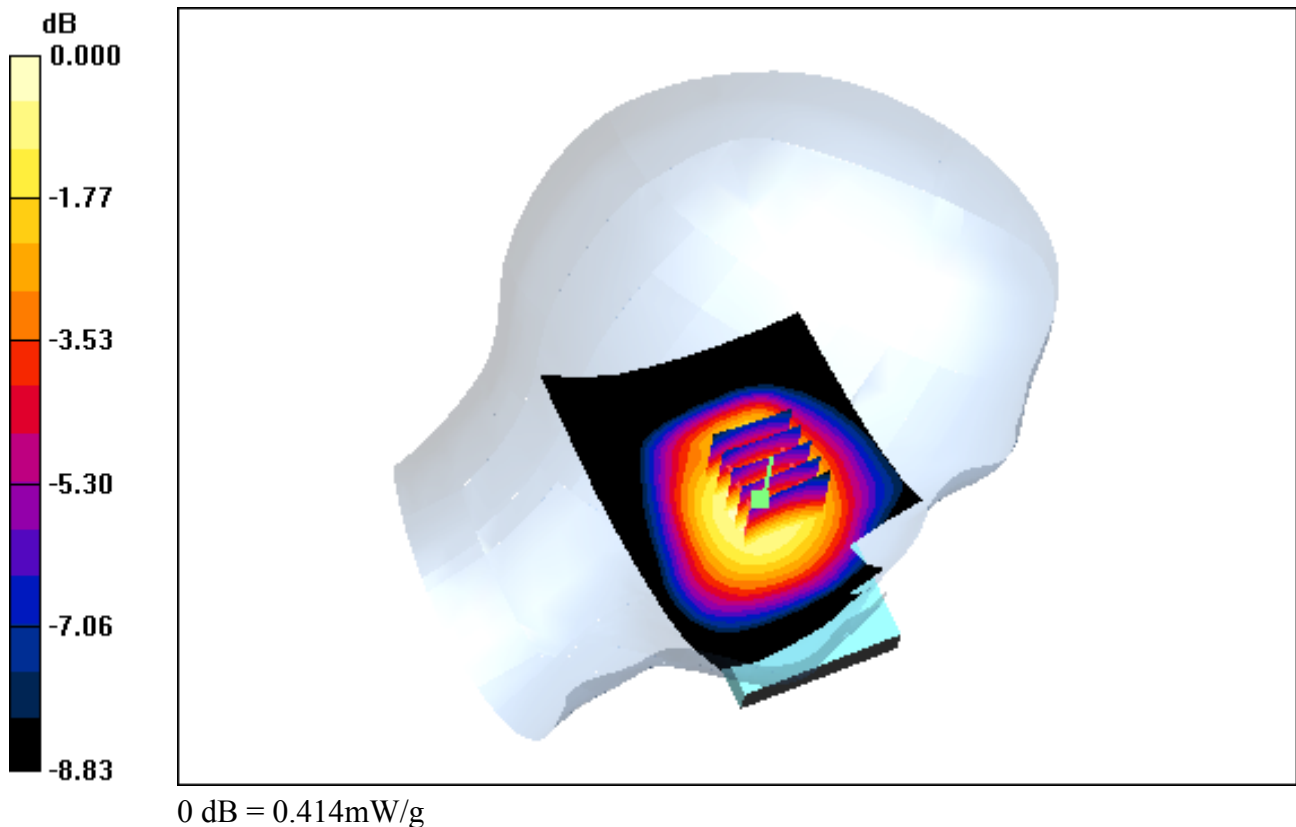
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.092 dB

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.269 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

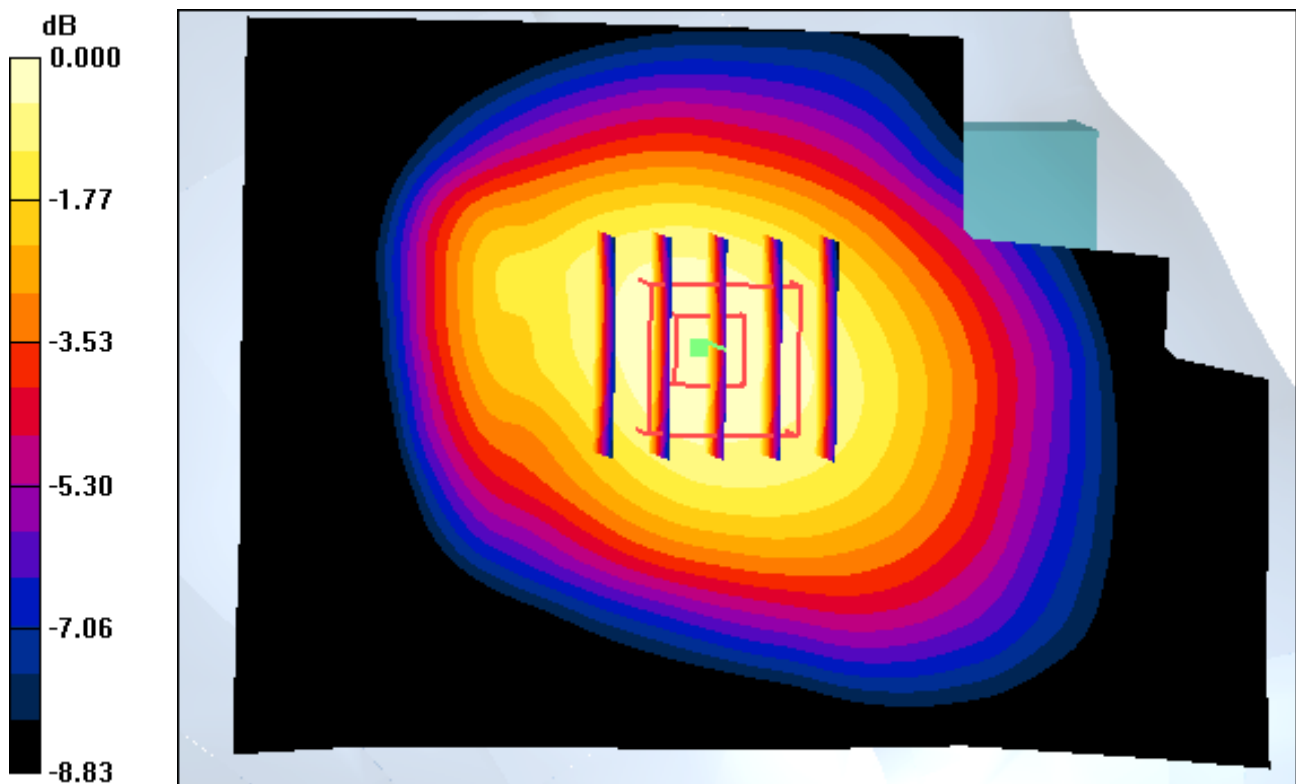
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Tilt, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.456 W/kg
SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.269 W/kg



0 dB = 0.414mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Tilt, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

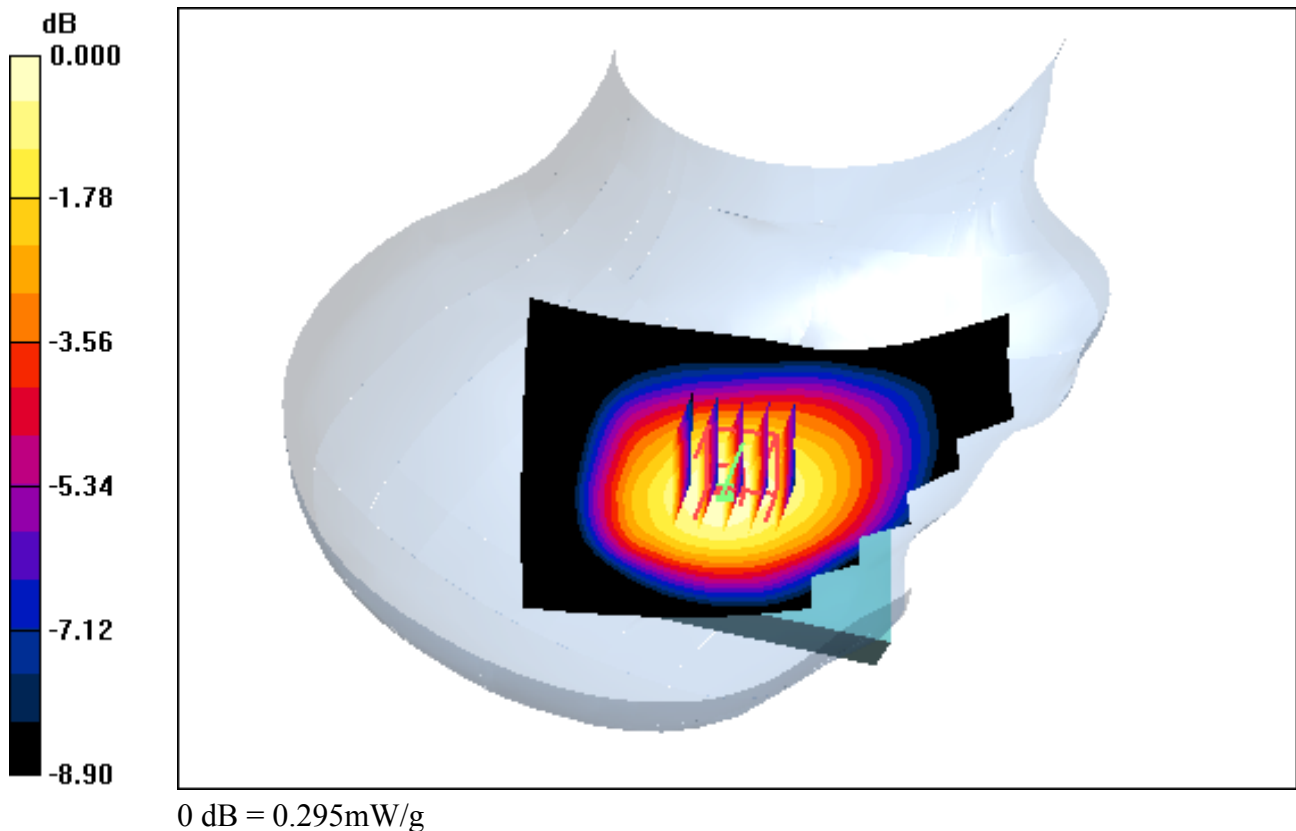
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.194 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

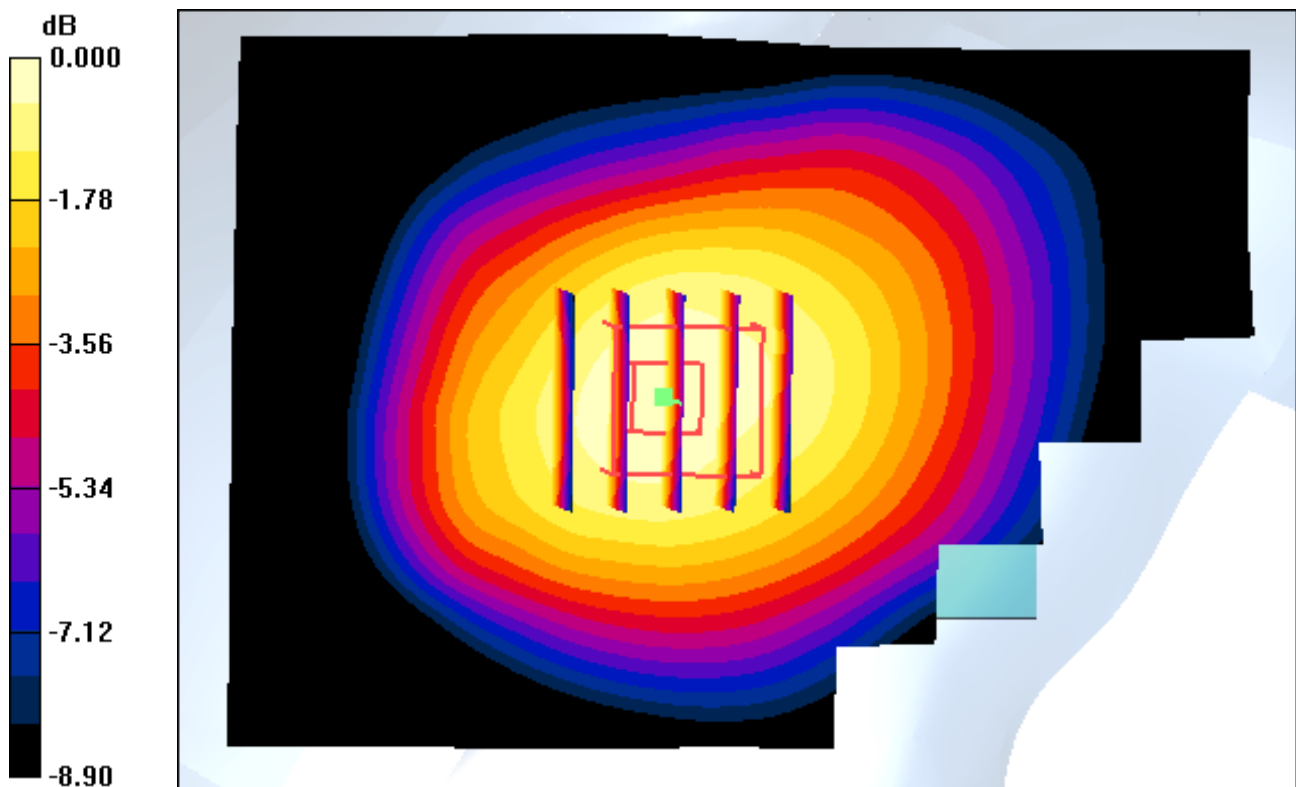
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Right Tilt, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.020 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.194 W/kg



0 dB = 0.295mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-04; Ambient Temp: 22.1; Tissue Temp: 22.4

Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

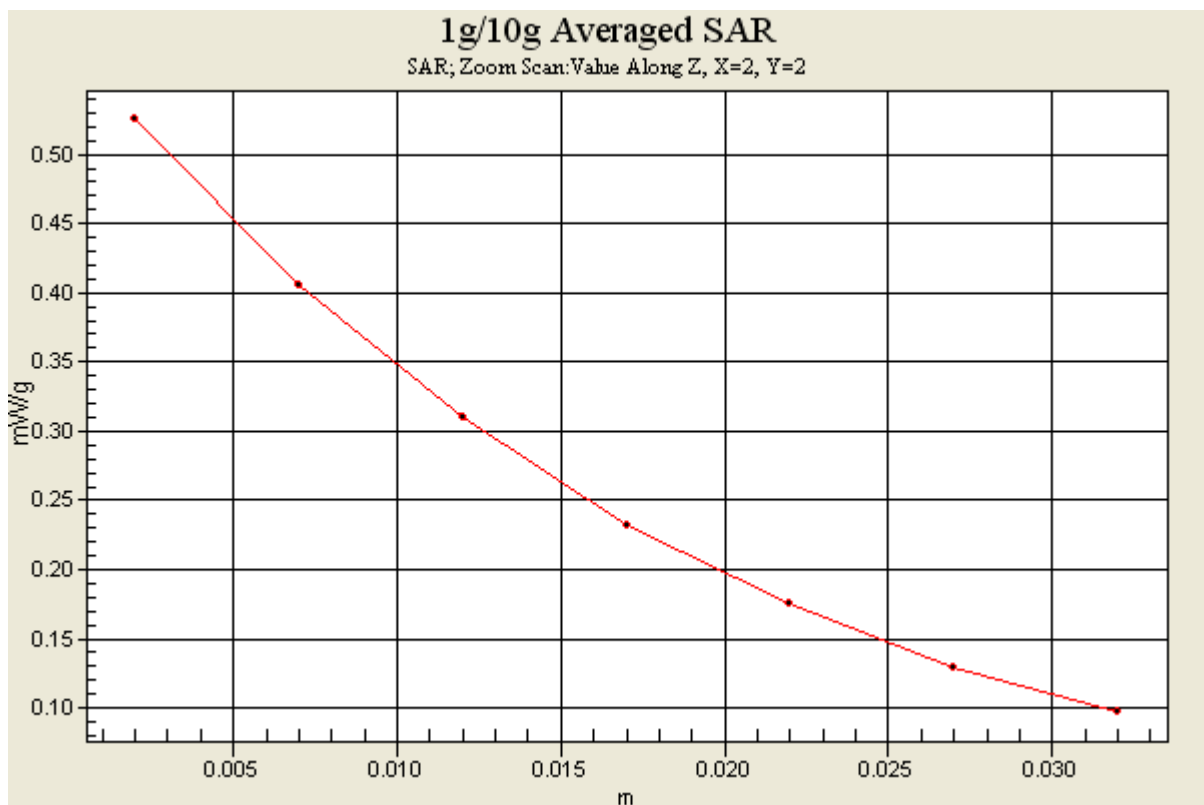
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.328 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

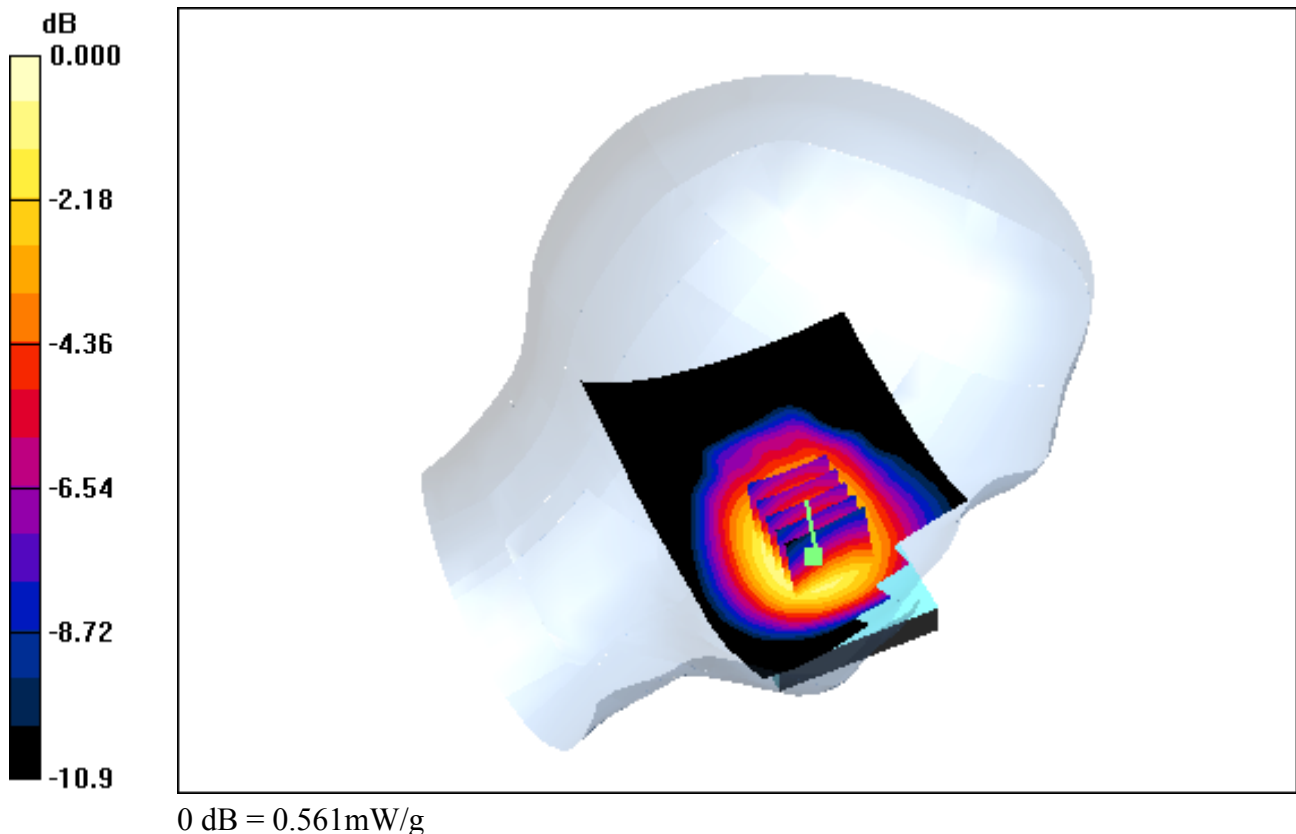
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.353 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

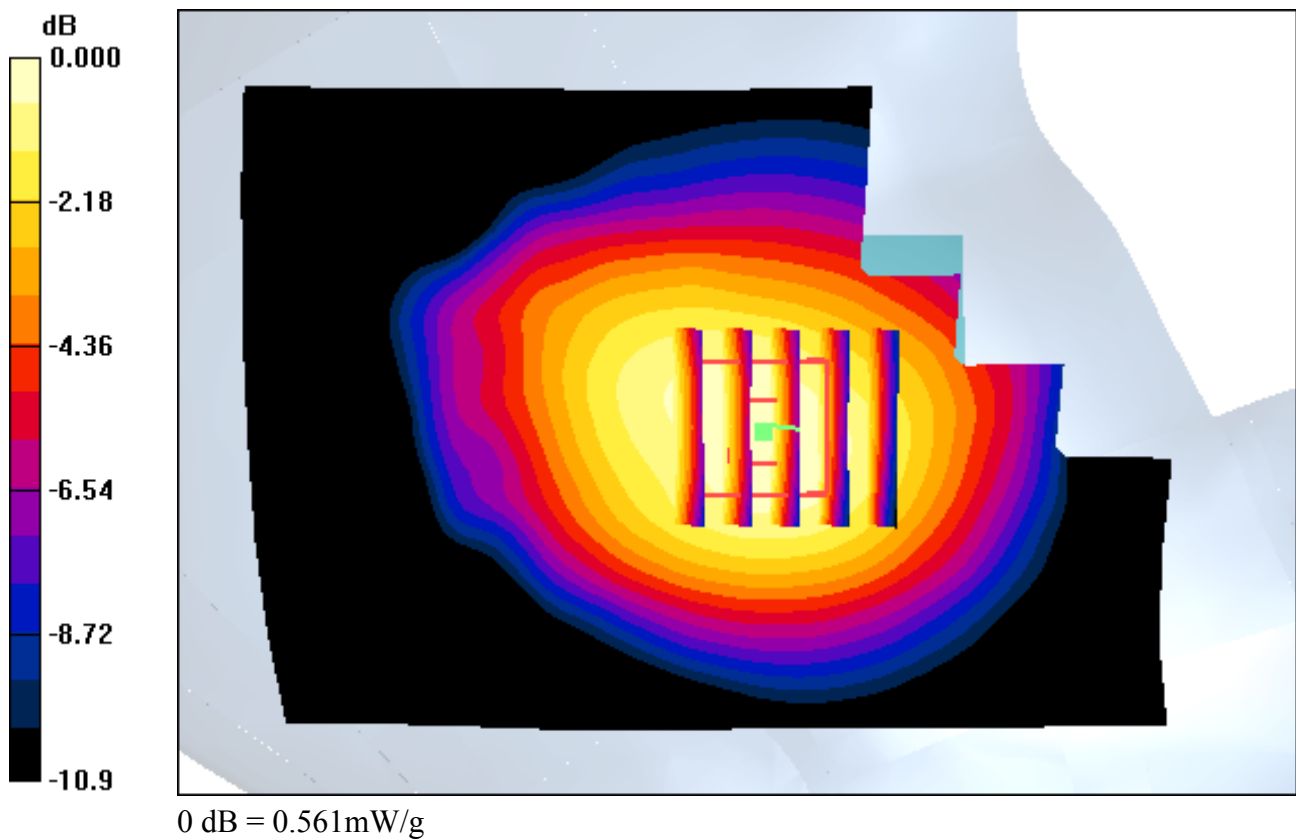
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.083 dB
Peak SAR (extrapolated) = 0.627 W/kg
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.353 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

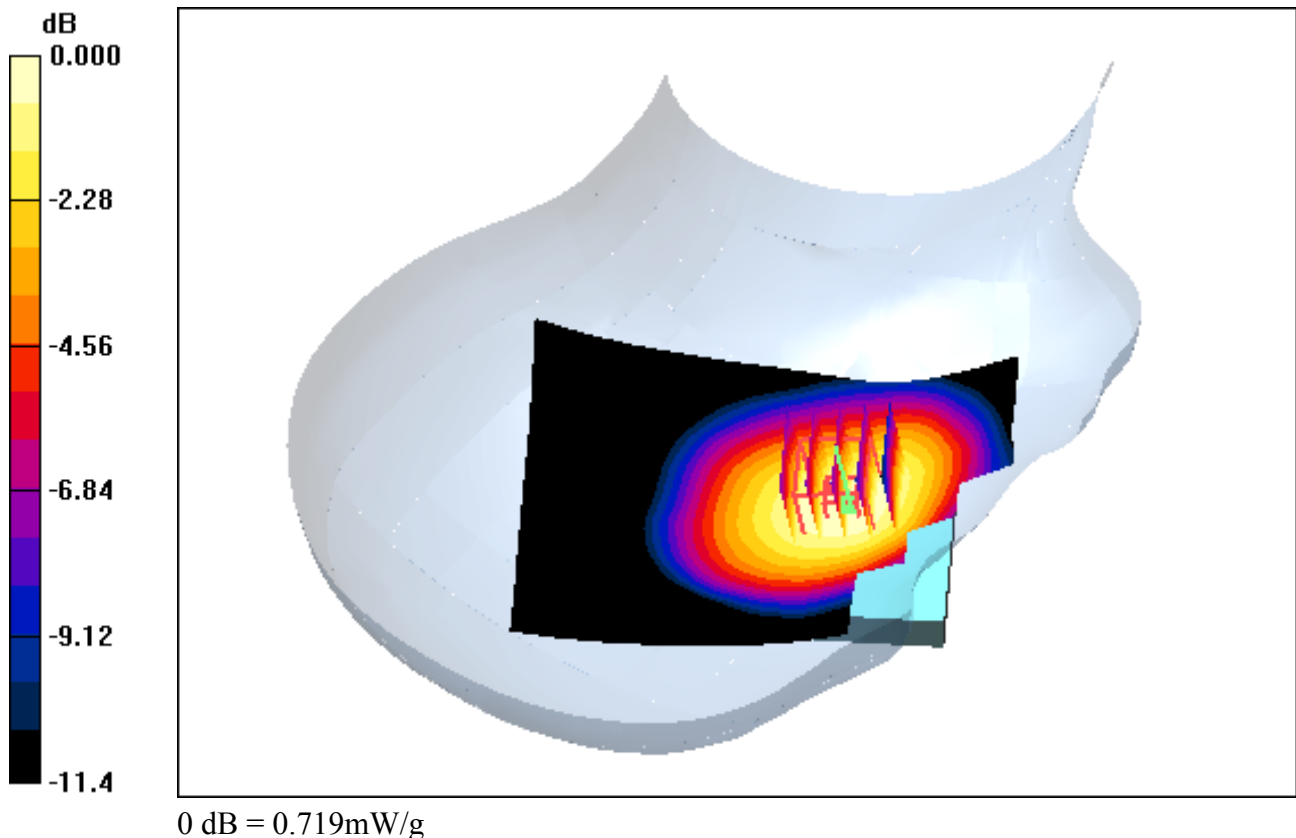
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.185 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.453 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

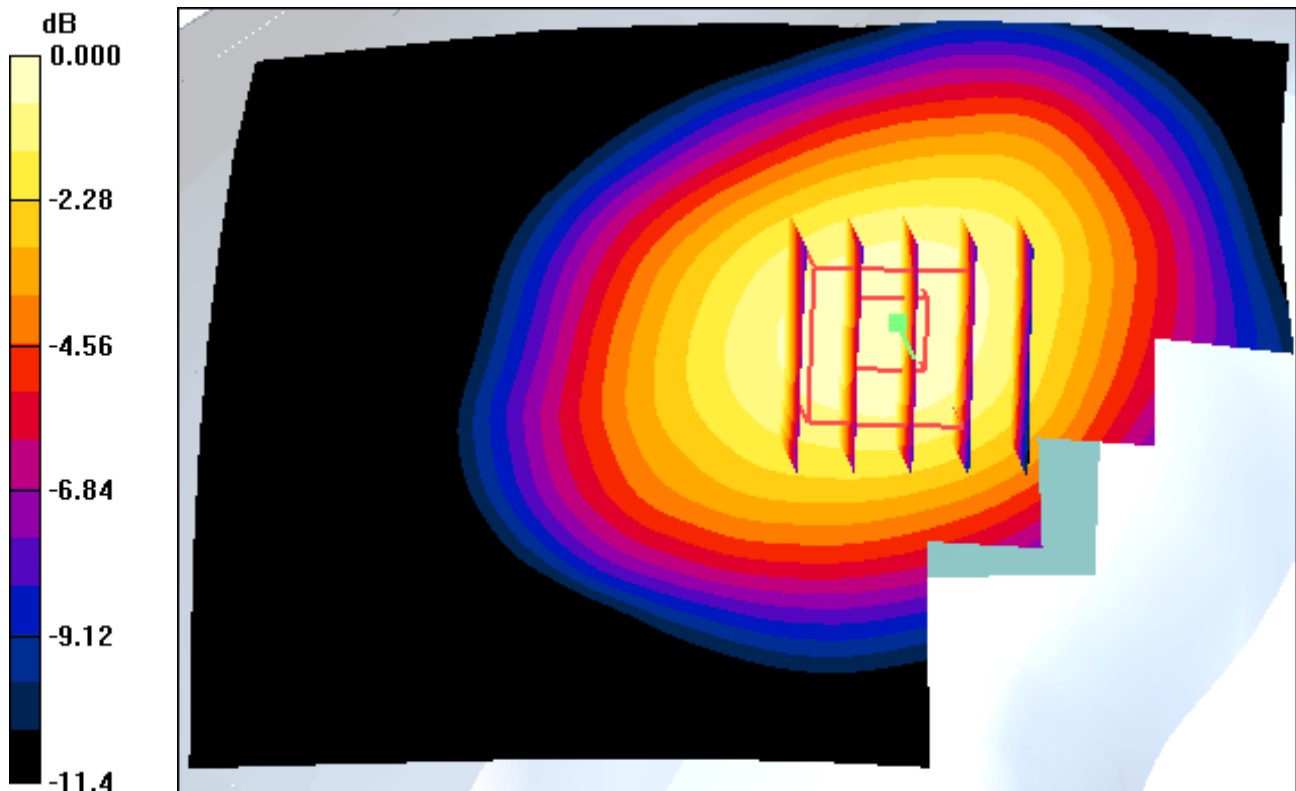
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.185 dB
Peak SAR (extrapolated) = 0.793 W/kg
SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.453 W/kg



0 dB = 0.719mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Left Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

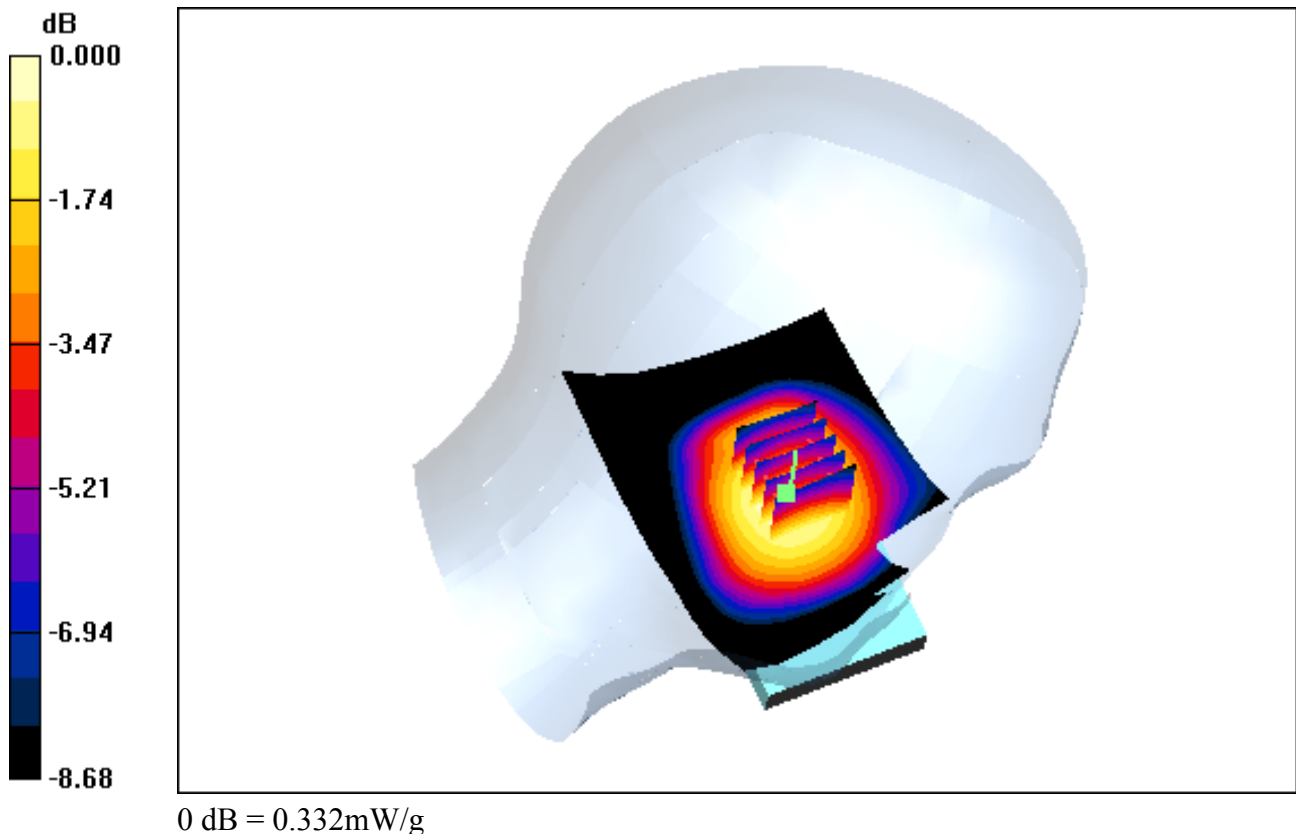
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.215 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

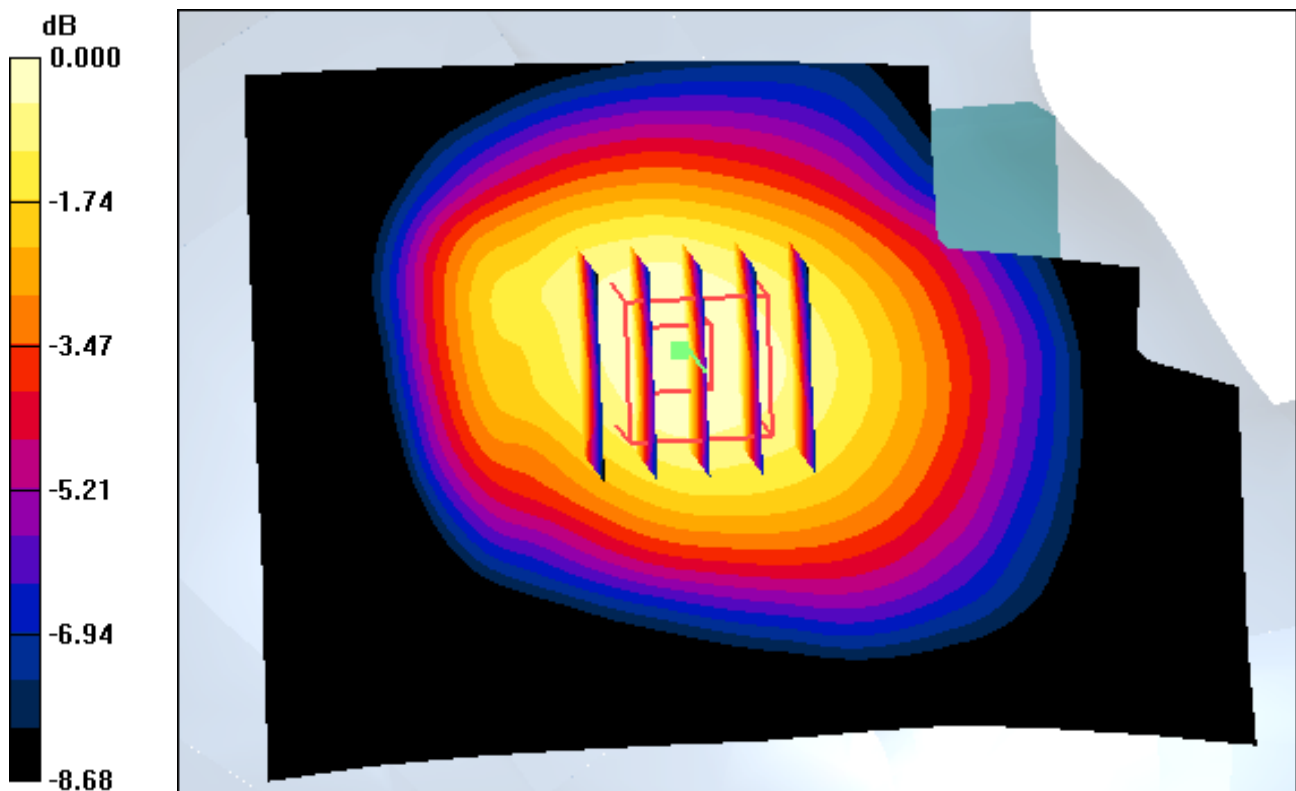
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Left Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.215 W/kg



0 dB = 0.332mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Right Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

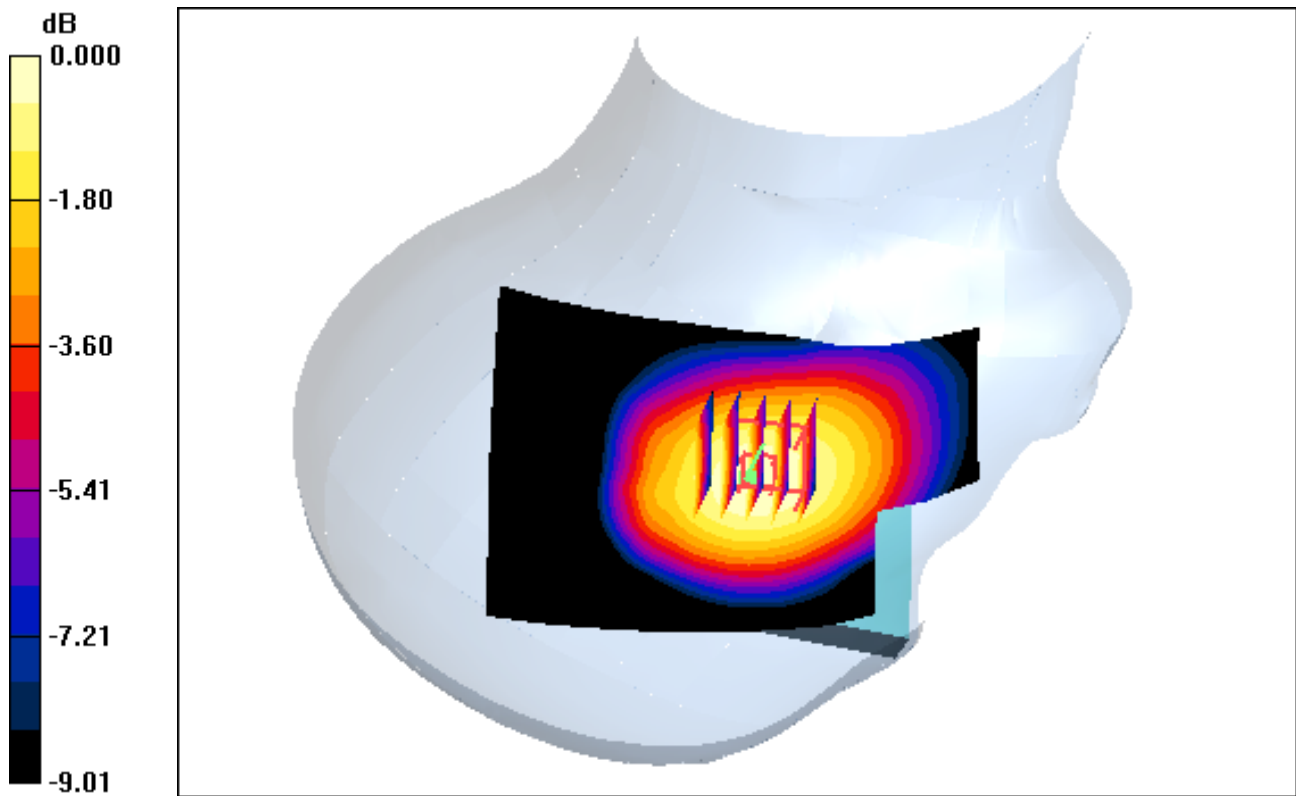
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.212 W/kg



0 dB = 0.323mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

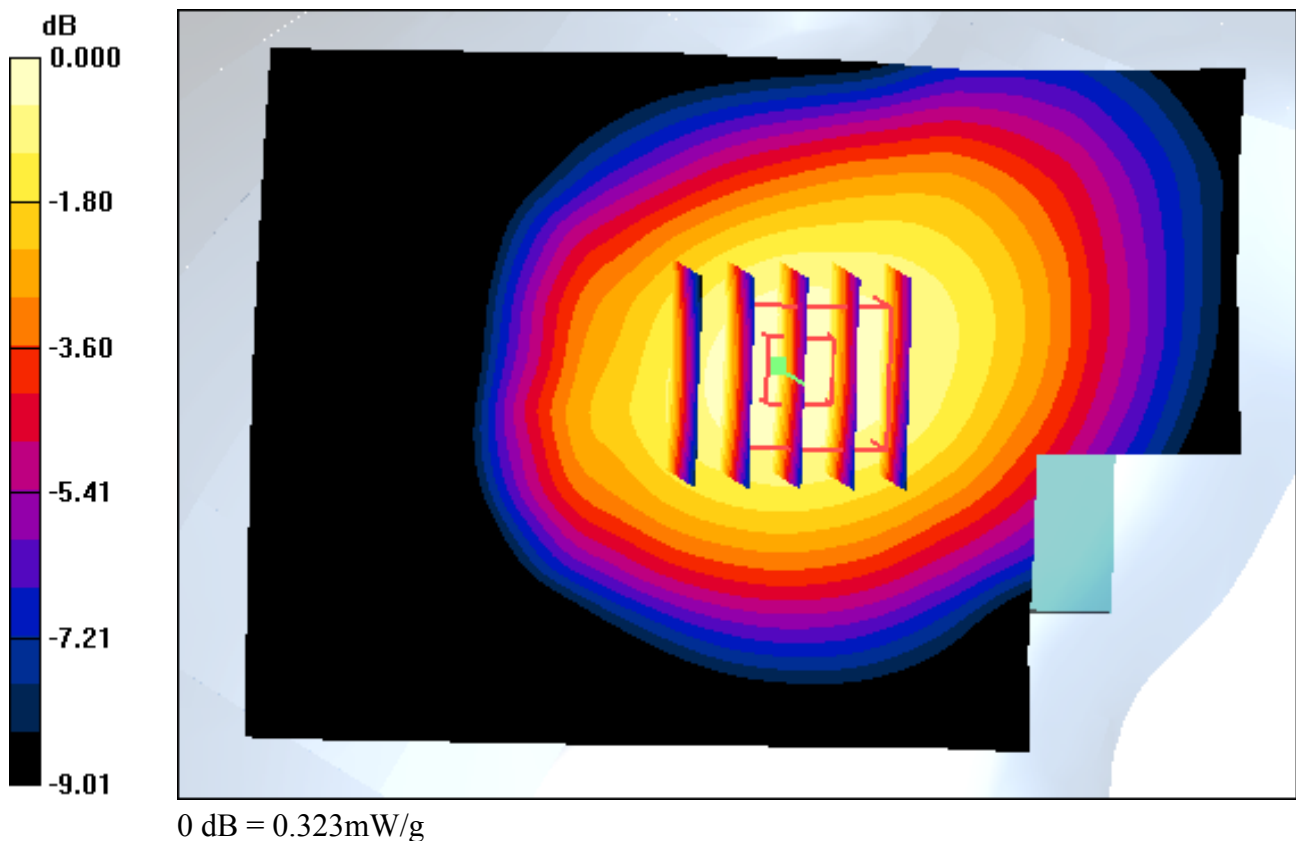
Probe: EX3DV4 - SN3643; ConvF(9.15, 9.15, 9.15); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Right Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.042 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.212 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.887 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2013-02-17; Ambient Temp: 21.1; Tissue Temp: 21.4

Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

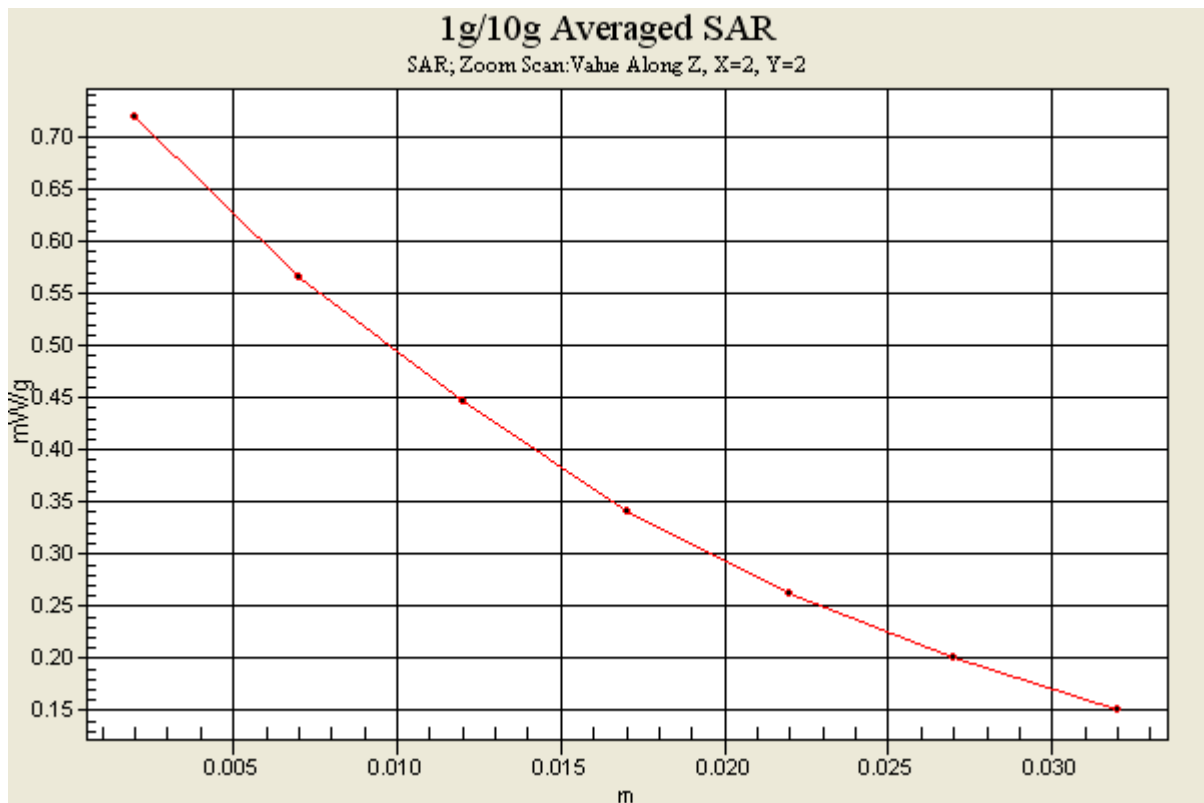
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.185 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.453 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

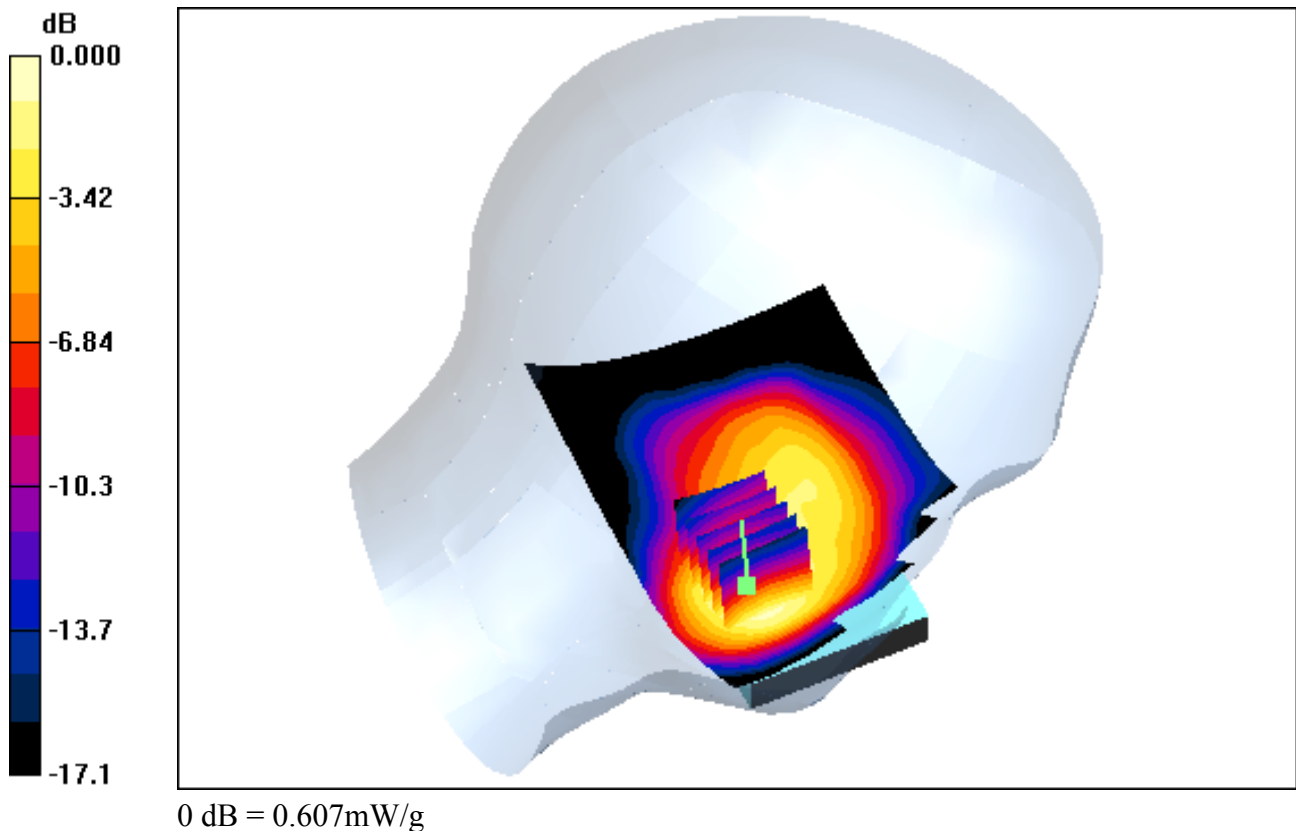
DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.762 W/kg
SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.280 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

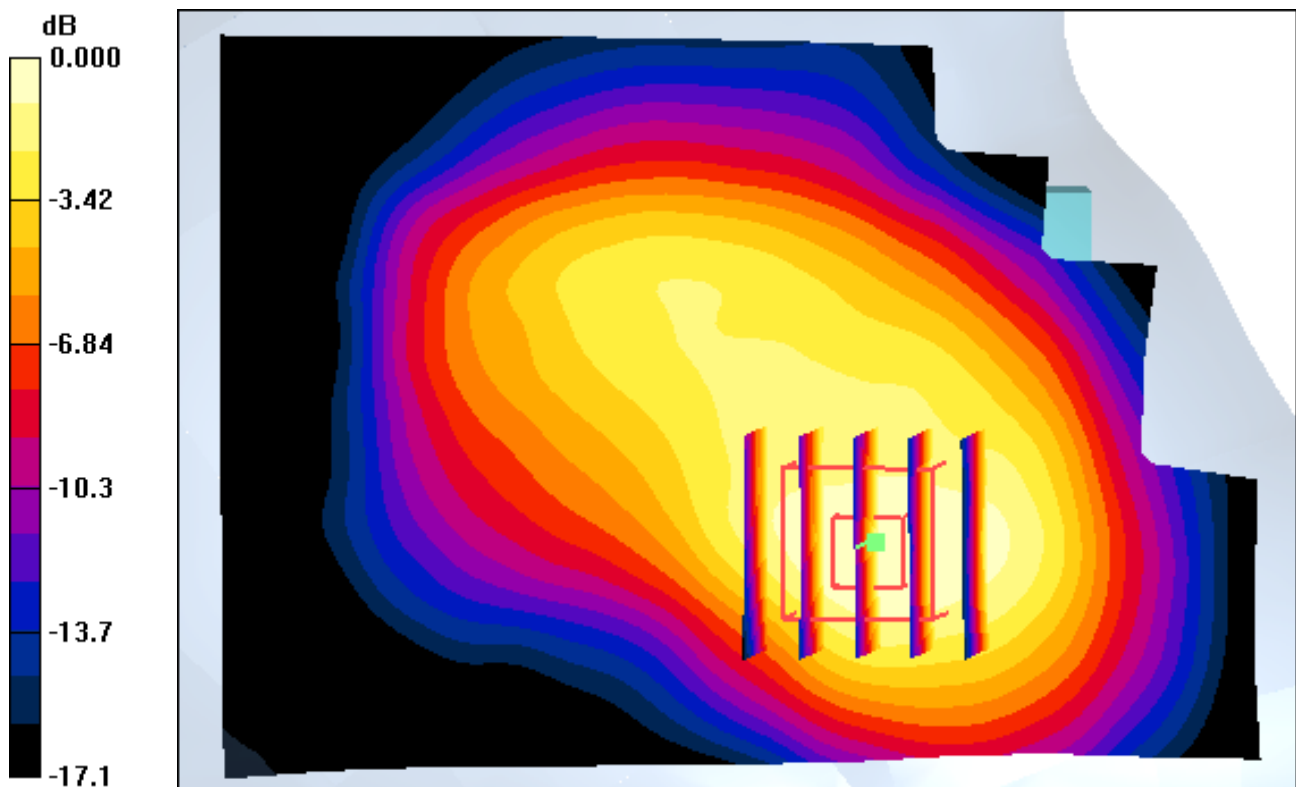
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.762 W/kg
SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.280 W/kg



0 dB = 0.607mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

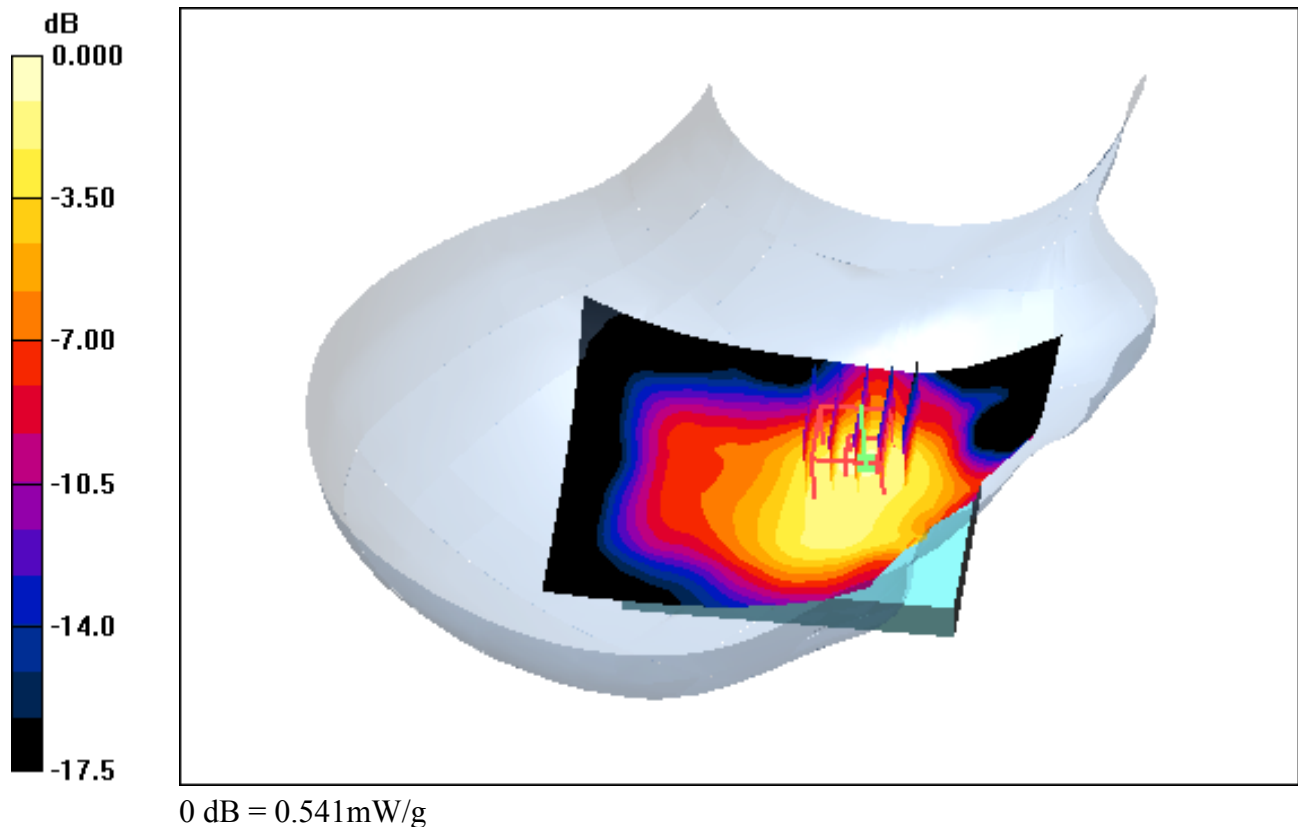
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.169 dB

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.236 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

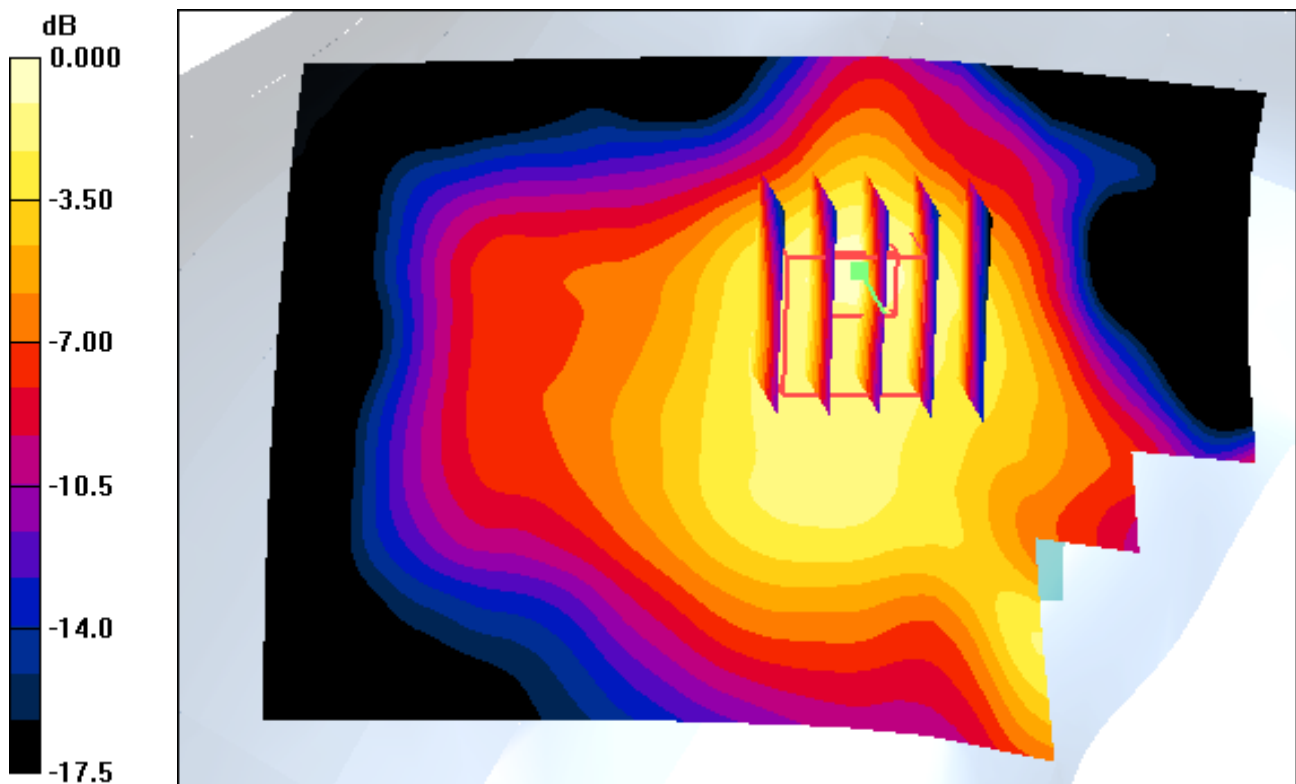
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.169 dB
Peak SAR (extrapolated) = 0.634 W/kg
SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.236 W/kg



0 dB = 0.541mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

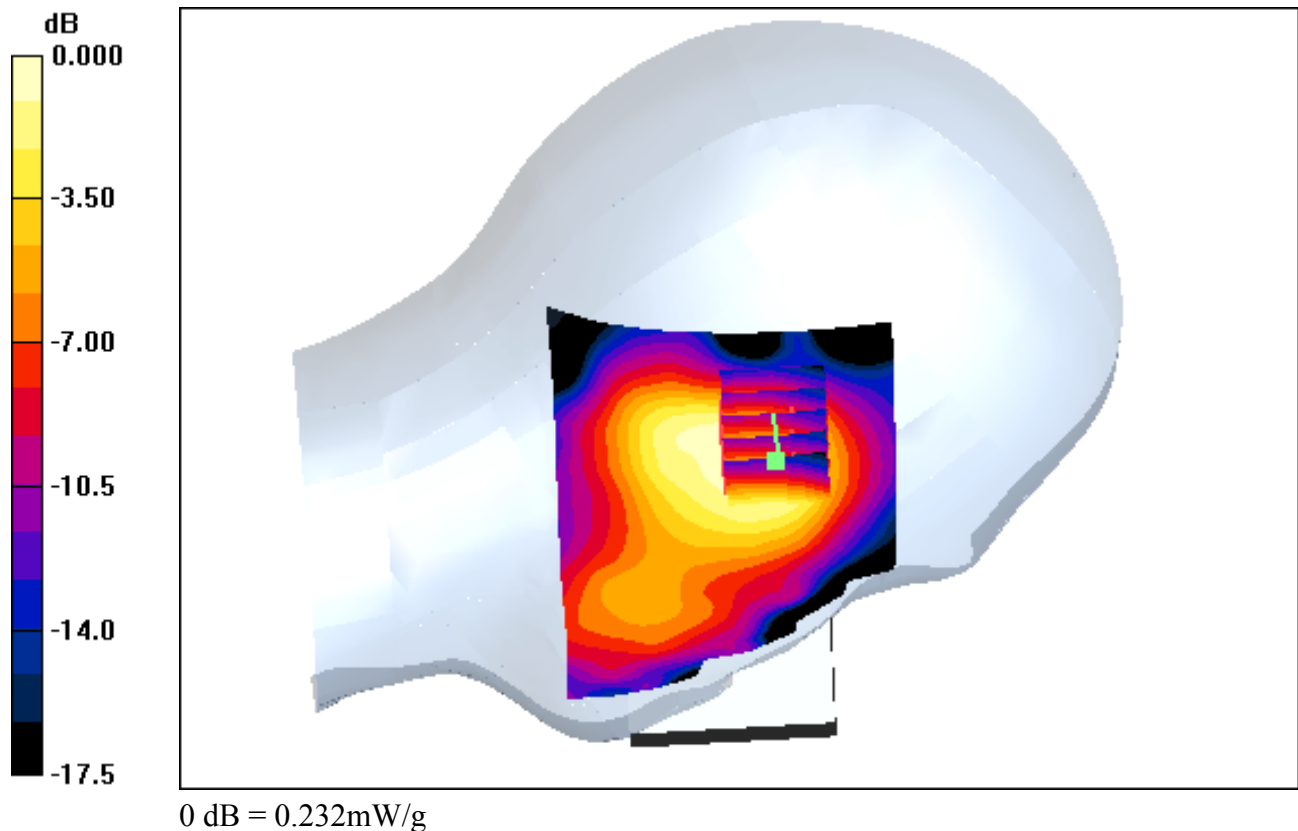
DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.114 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

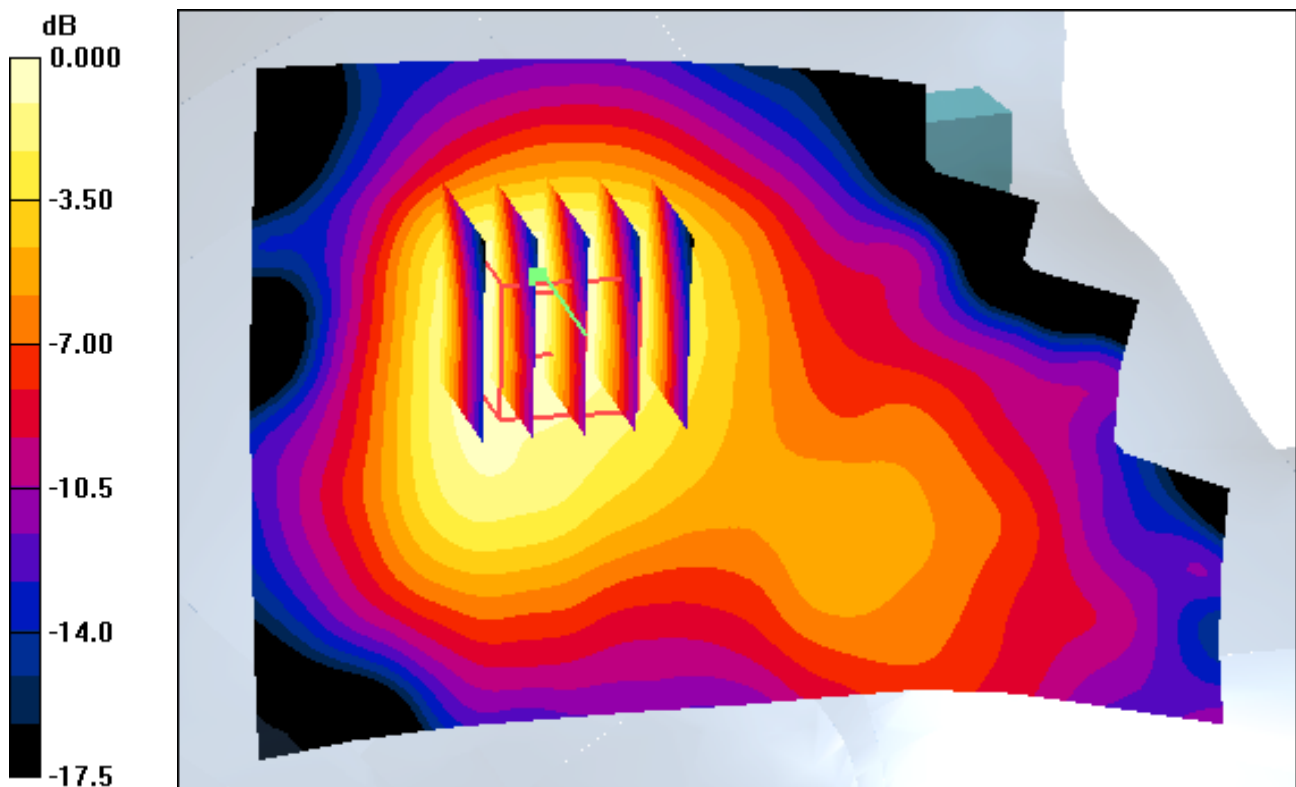
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.114 W/kg



0 dB = 0.232mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

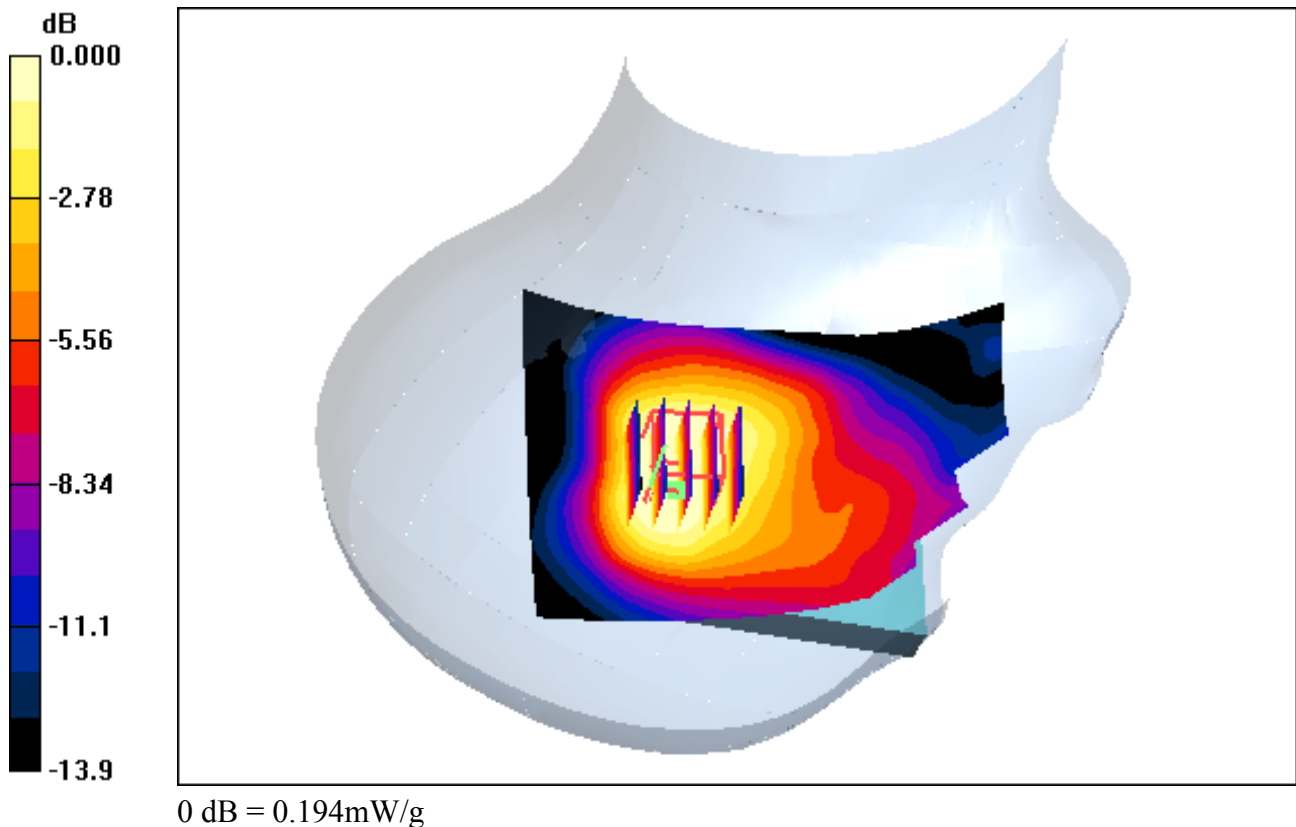
DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.104 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

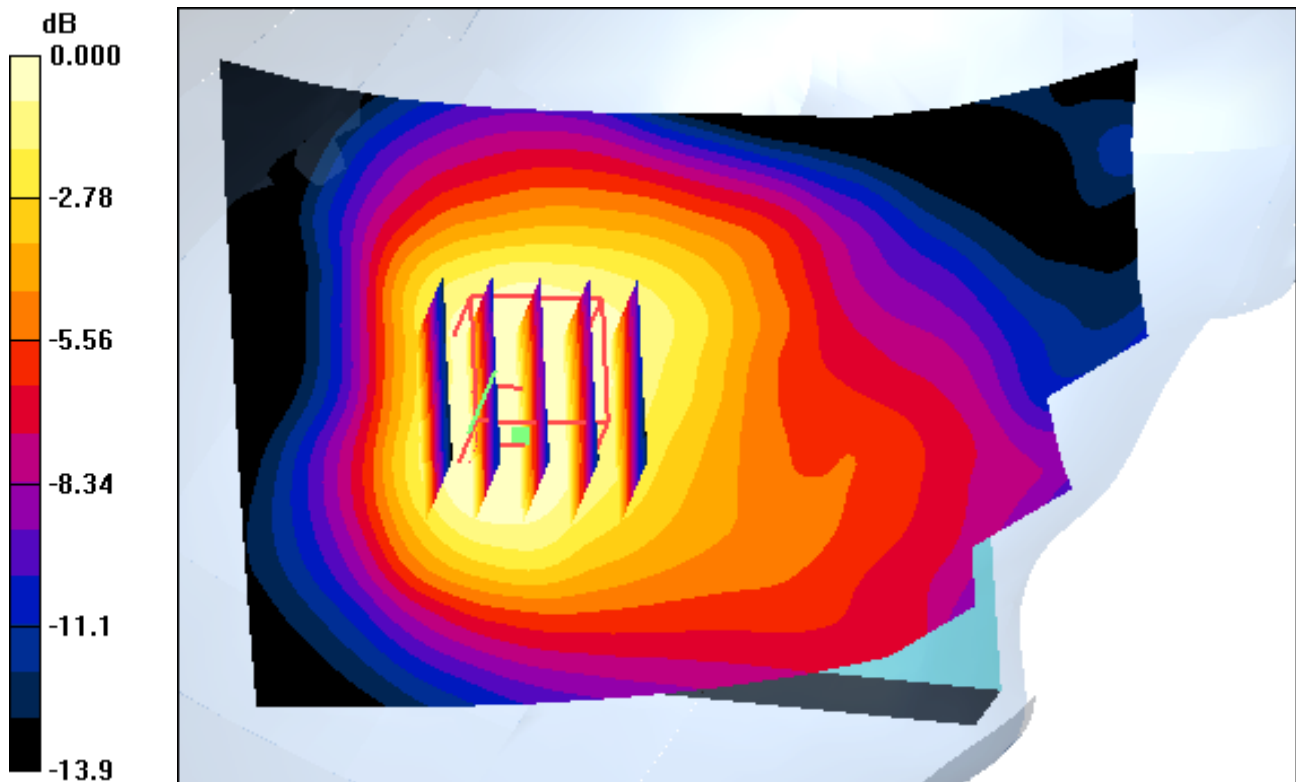
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.118 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.104 W/kg



0 dB = 0.194mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

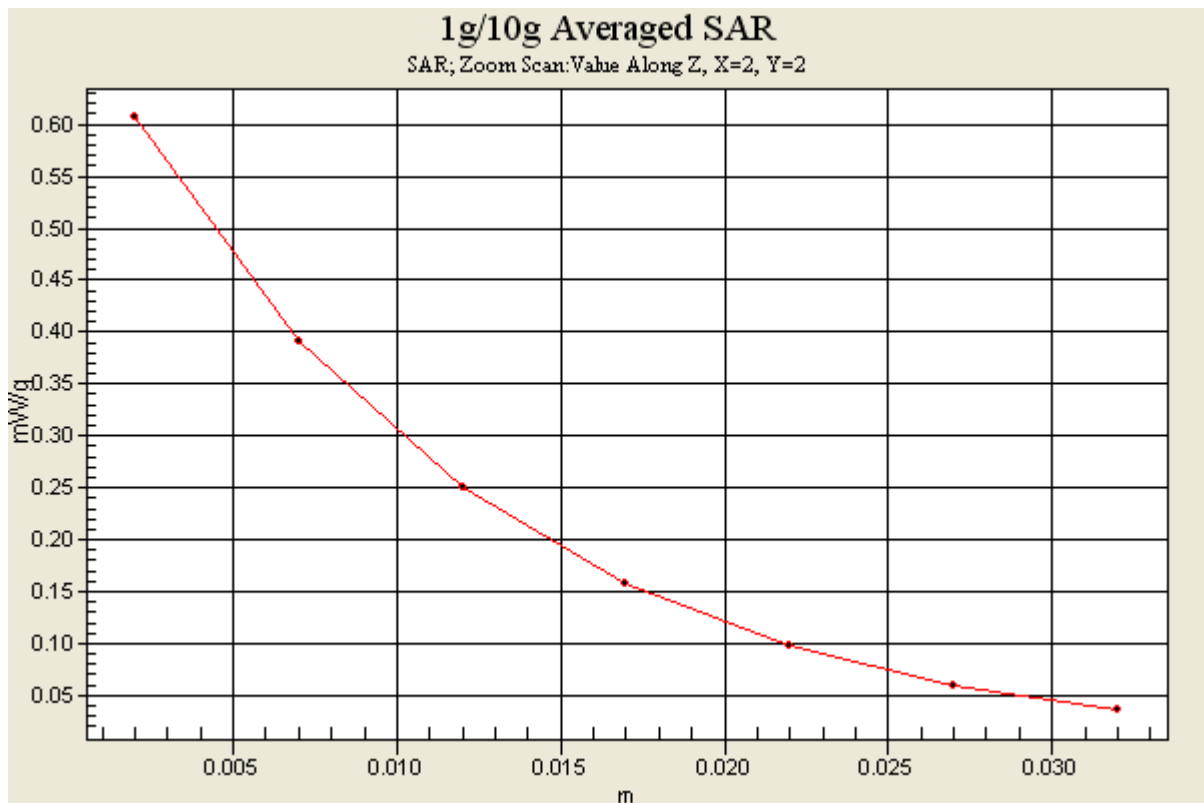
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.280 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery

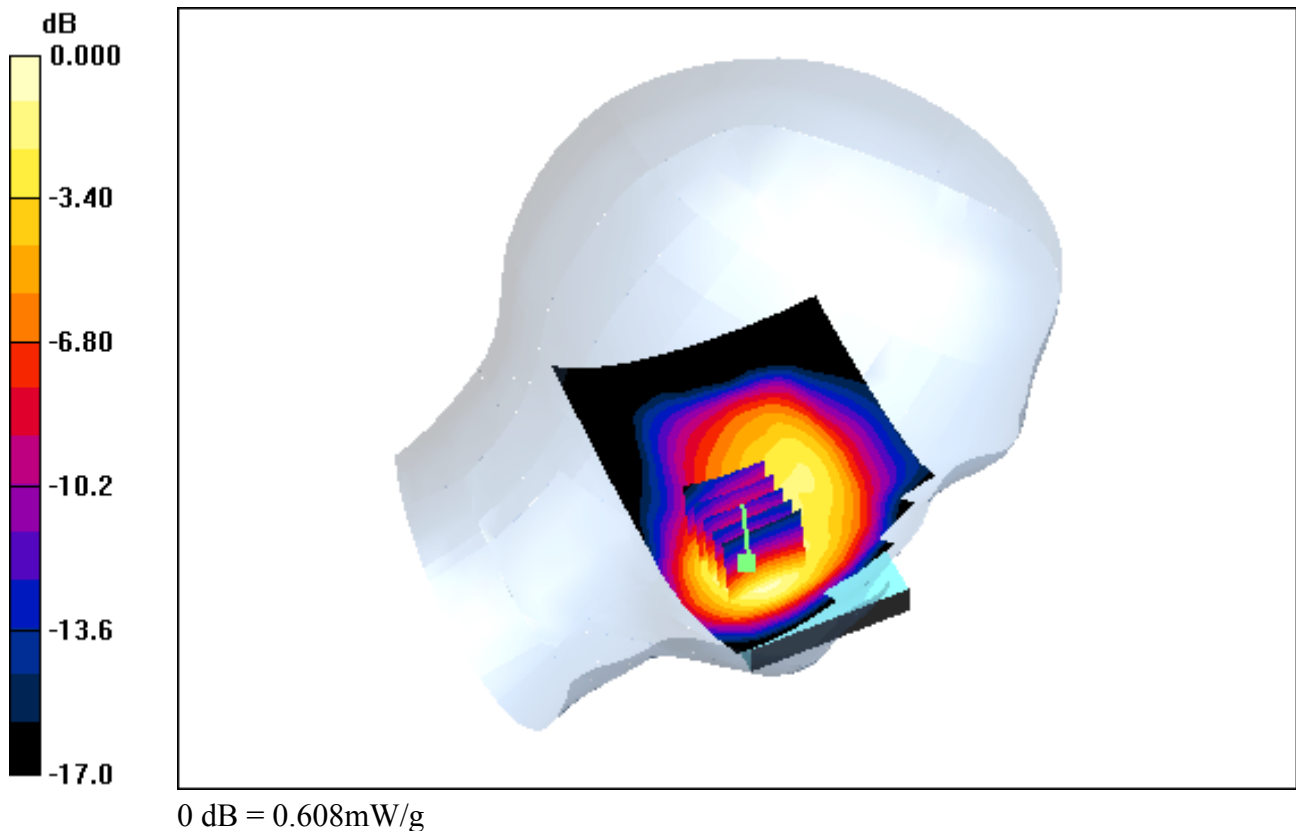
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.779 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.281 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

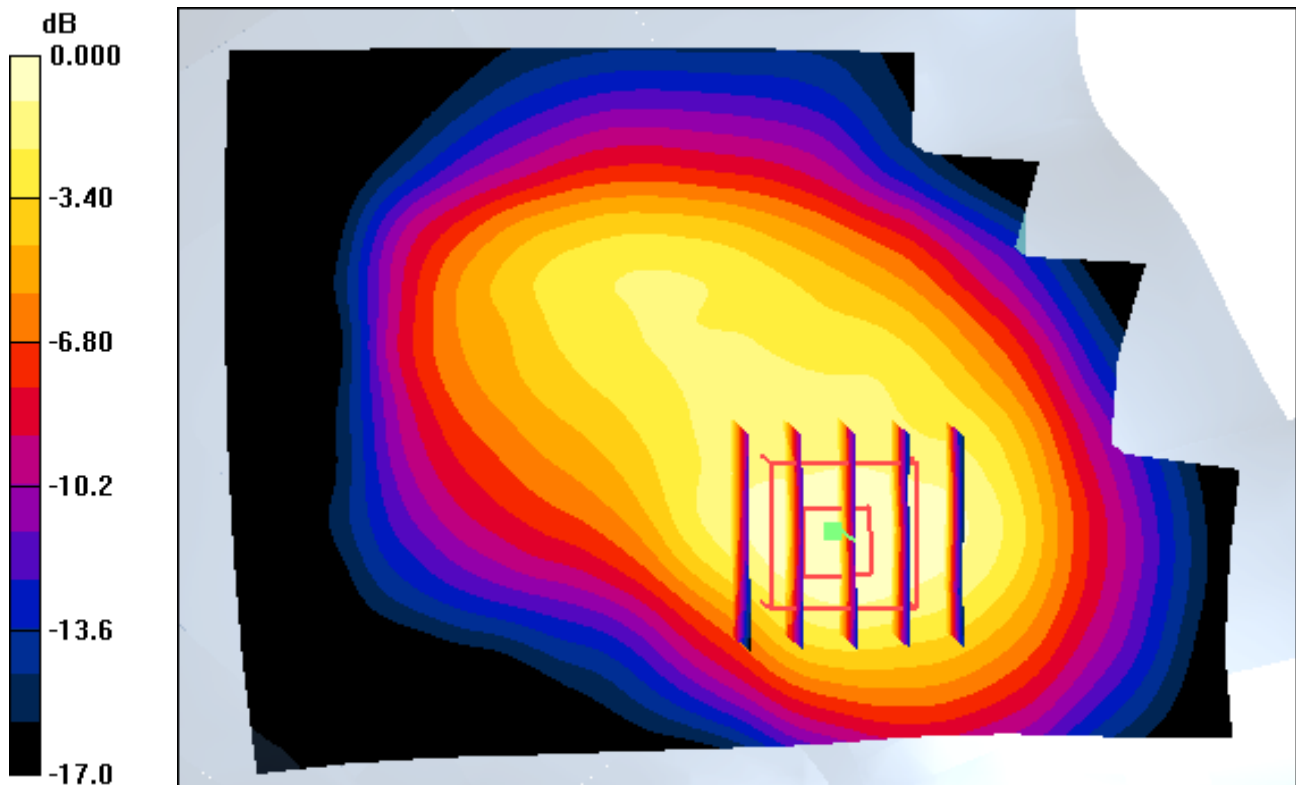
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.779 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.281 W/kg



0 dB = 0.608mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery

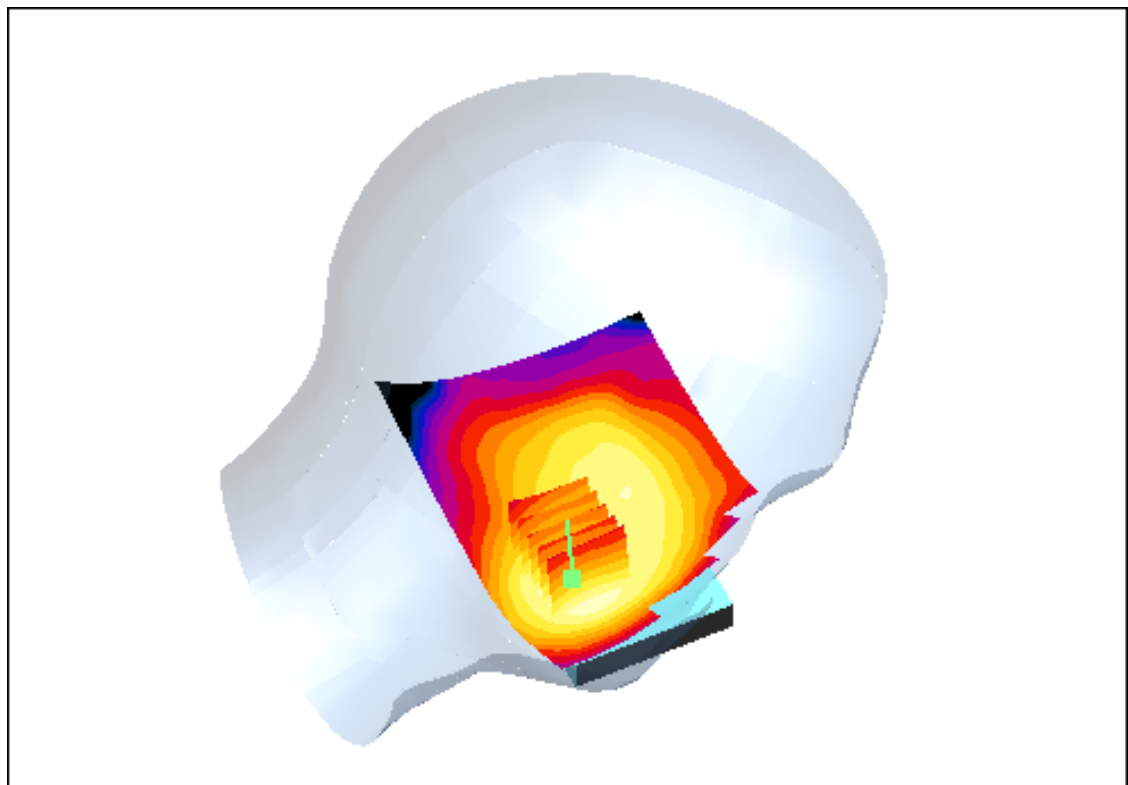
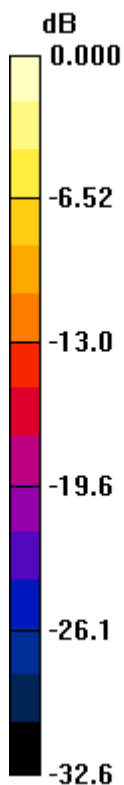
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.048 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.324 W/kg



0 dB = 0.710mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

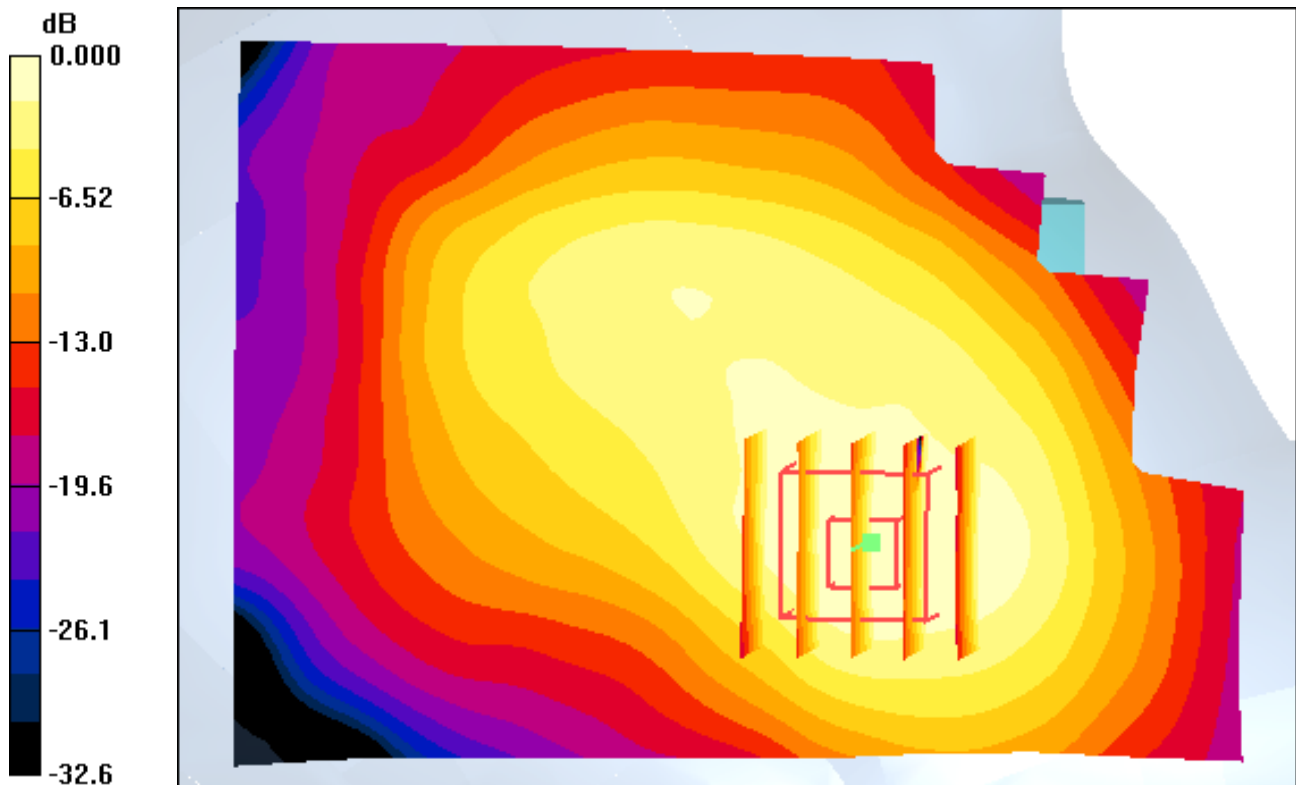
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.324 W/kg



0 dB = 0.710mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

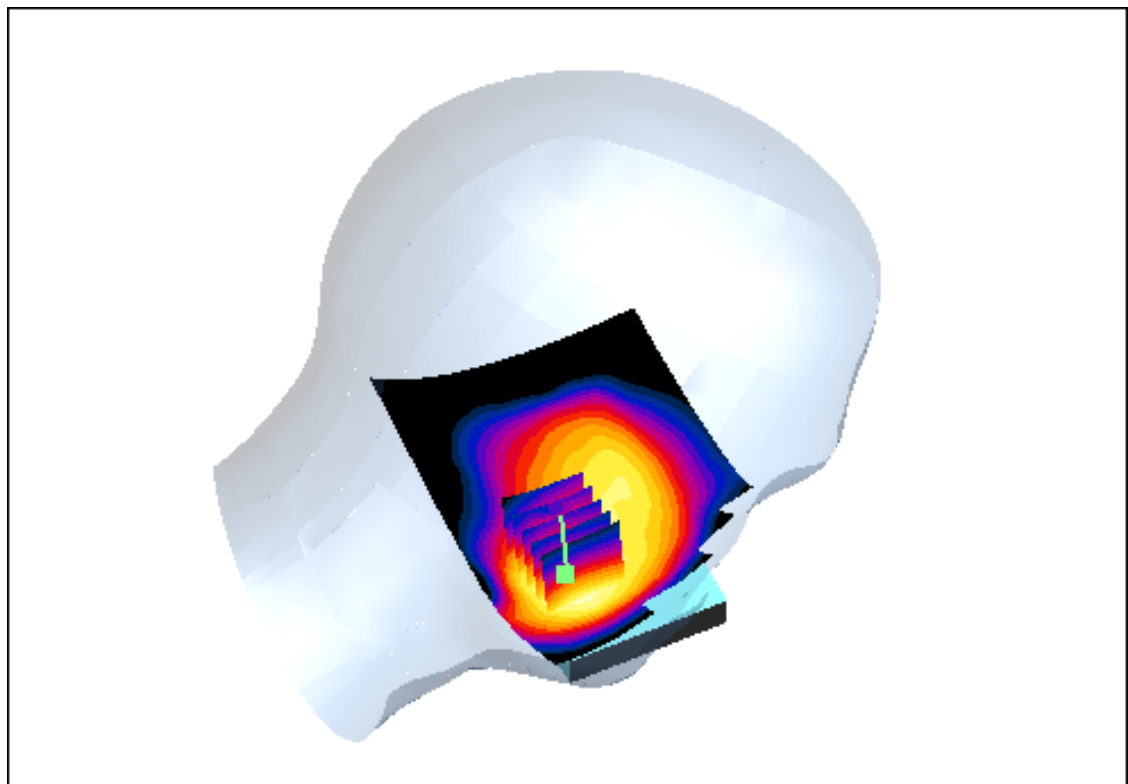
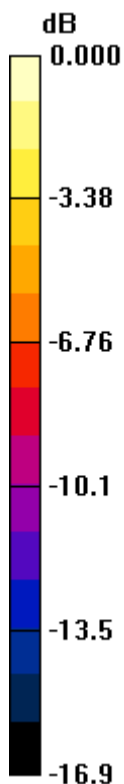
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.345 W/kg



0 dB = 0.754mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

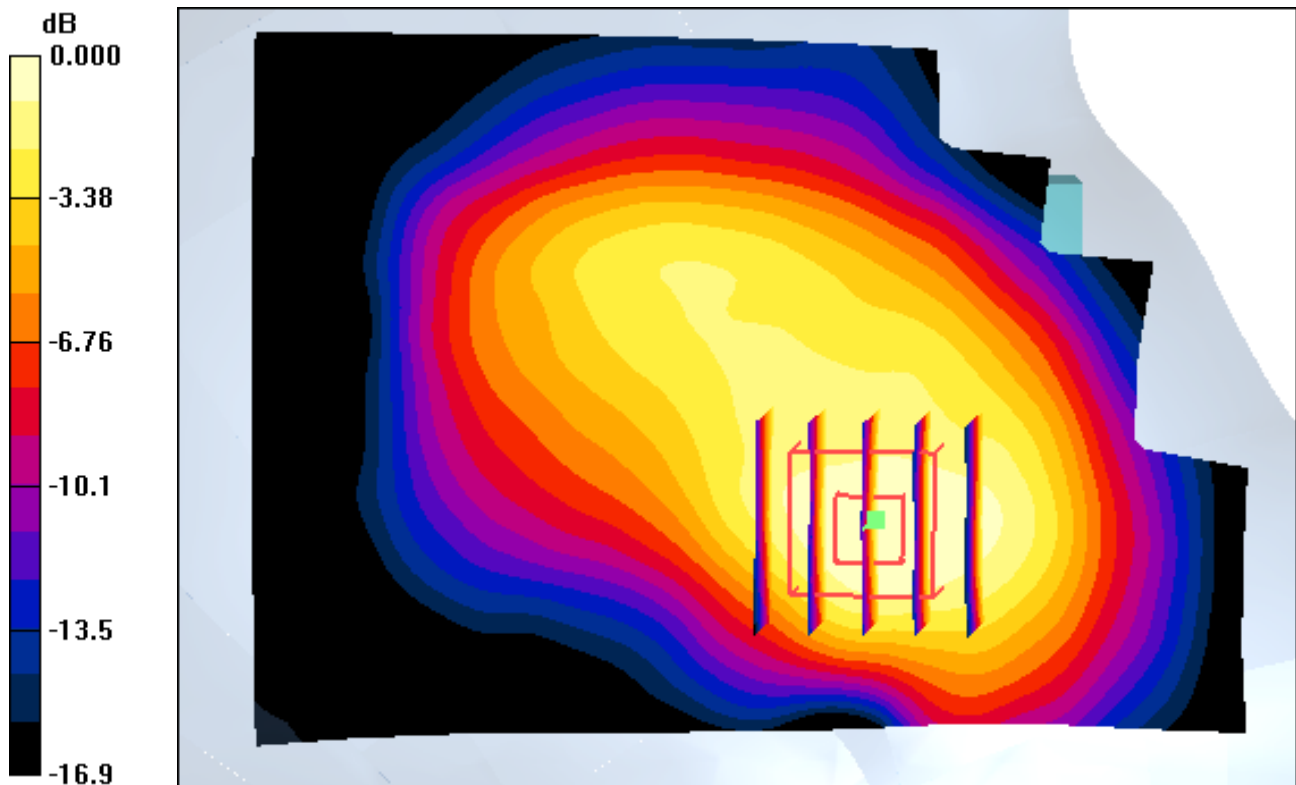
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.345 W/kg



0 dB = 0.754mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery

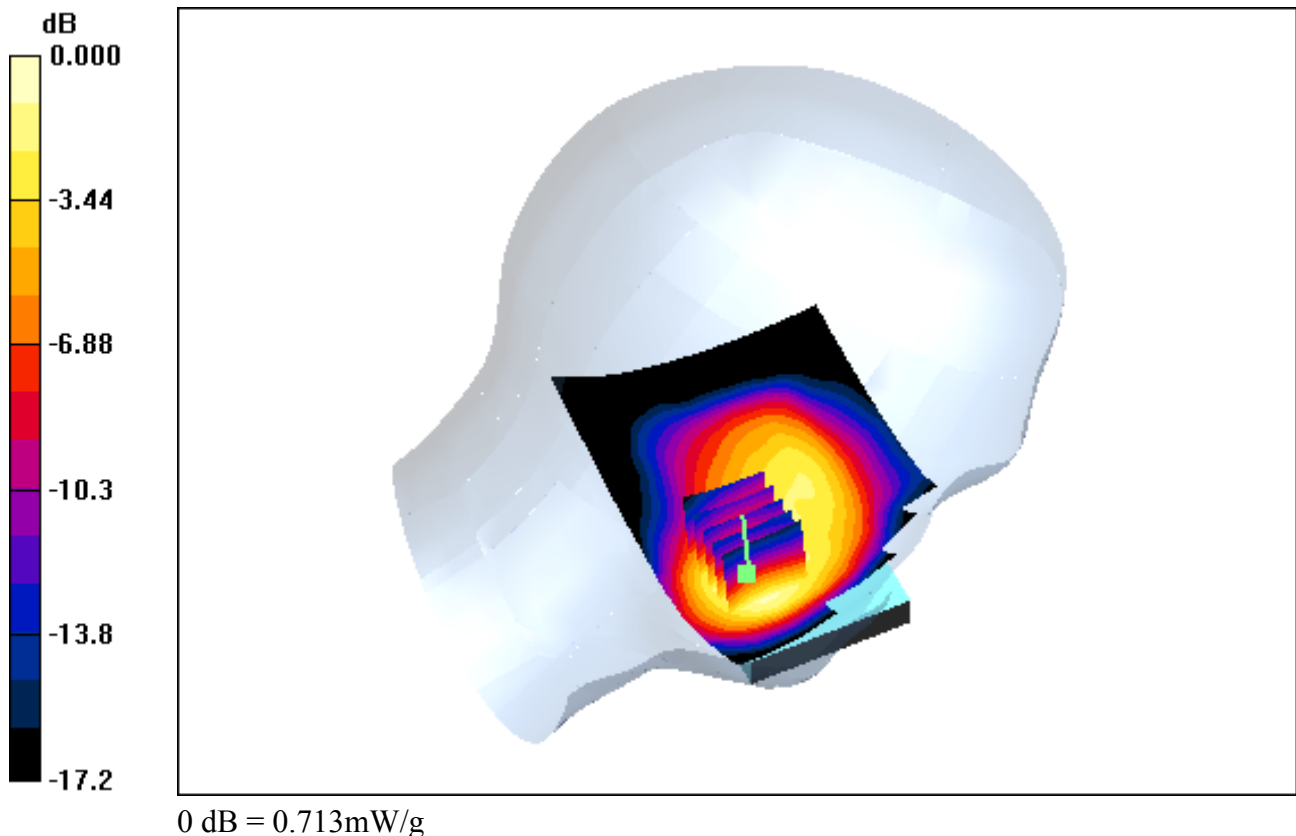
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.893 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.324 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

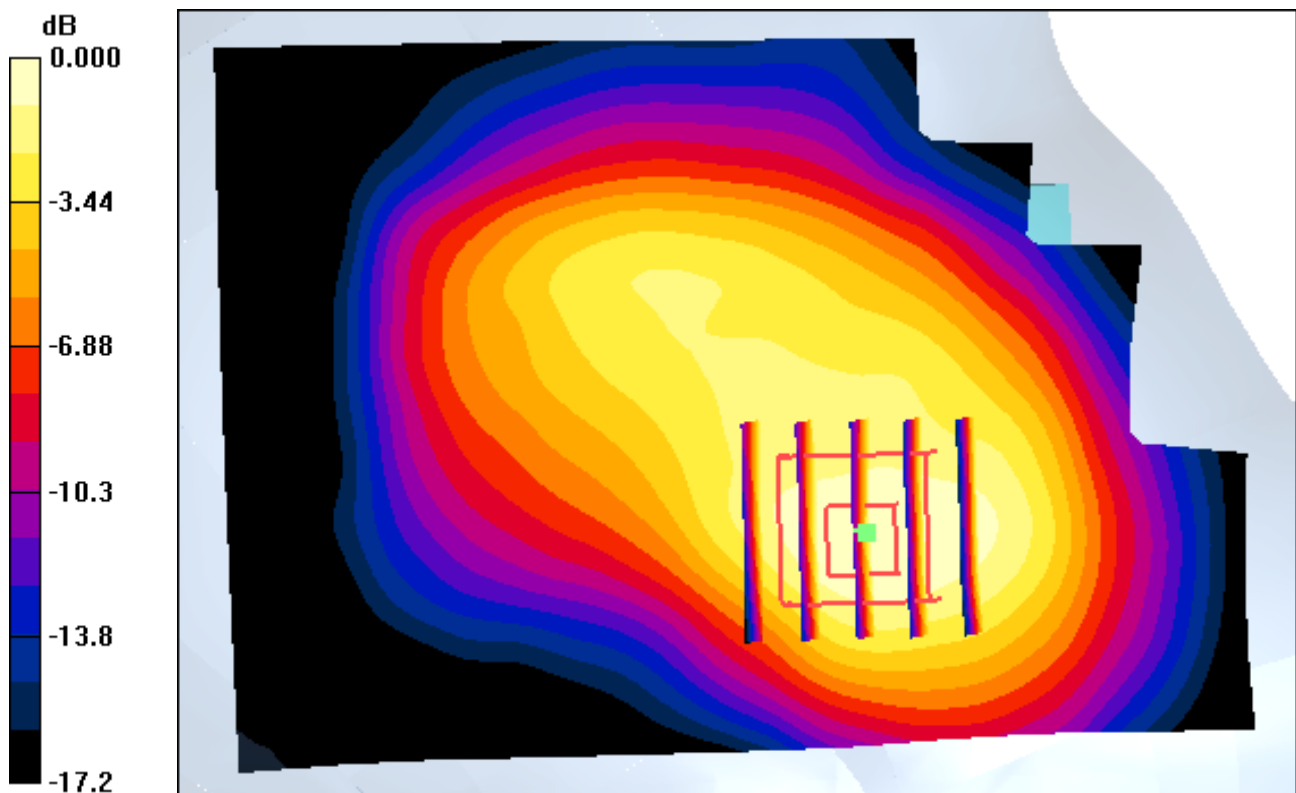
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.042 dB
Peak SAR (extrapolated) = 0.893 W/kg
SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.324 W/kg



0 dB = 0.713mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

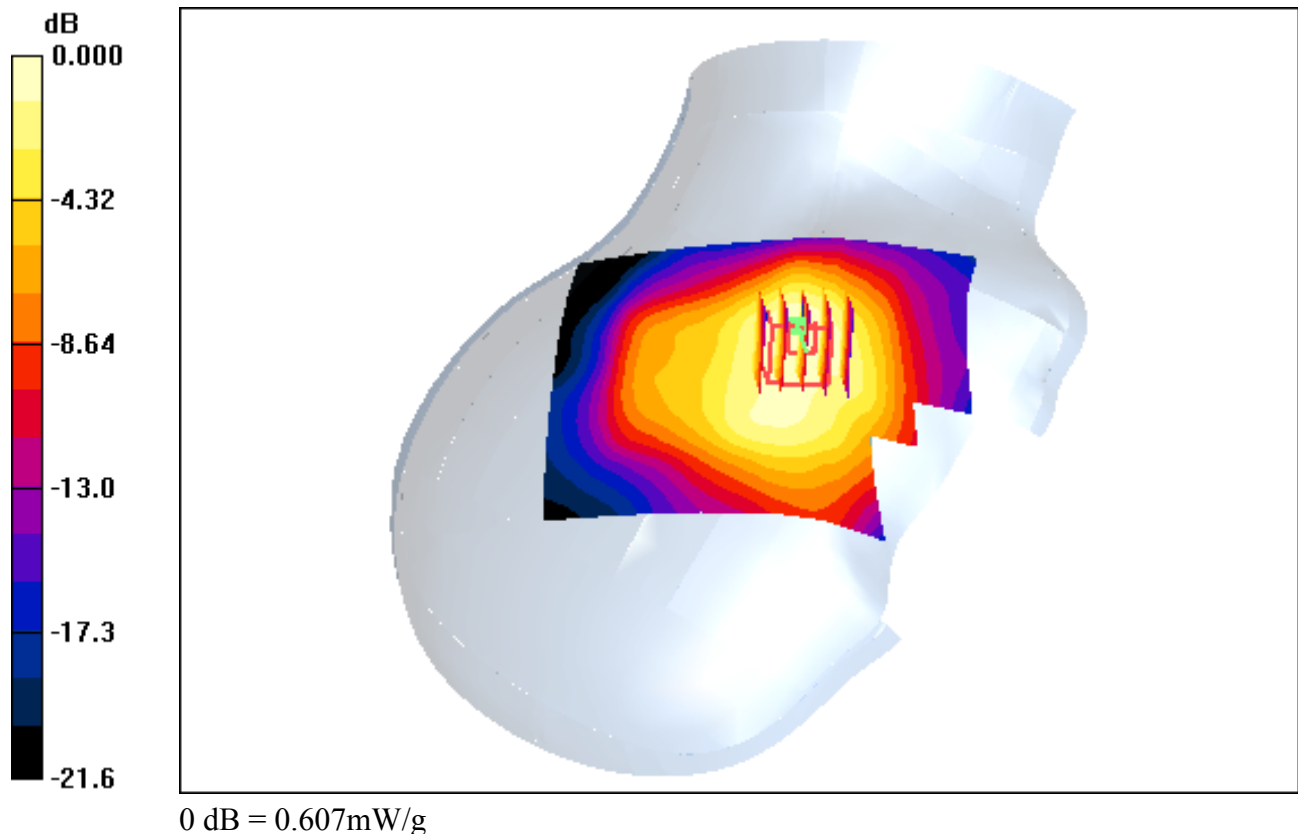
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.290 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

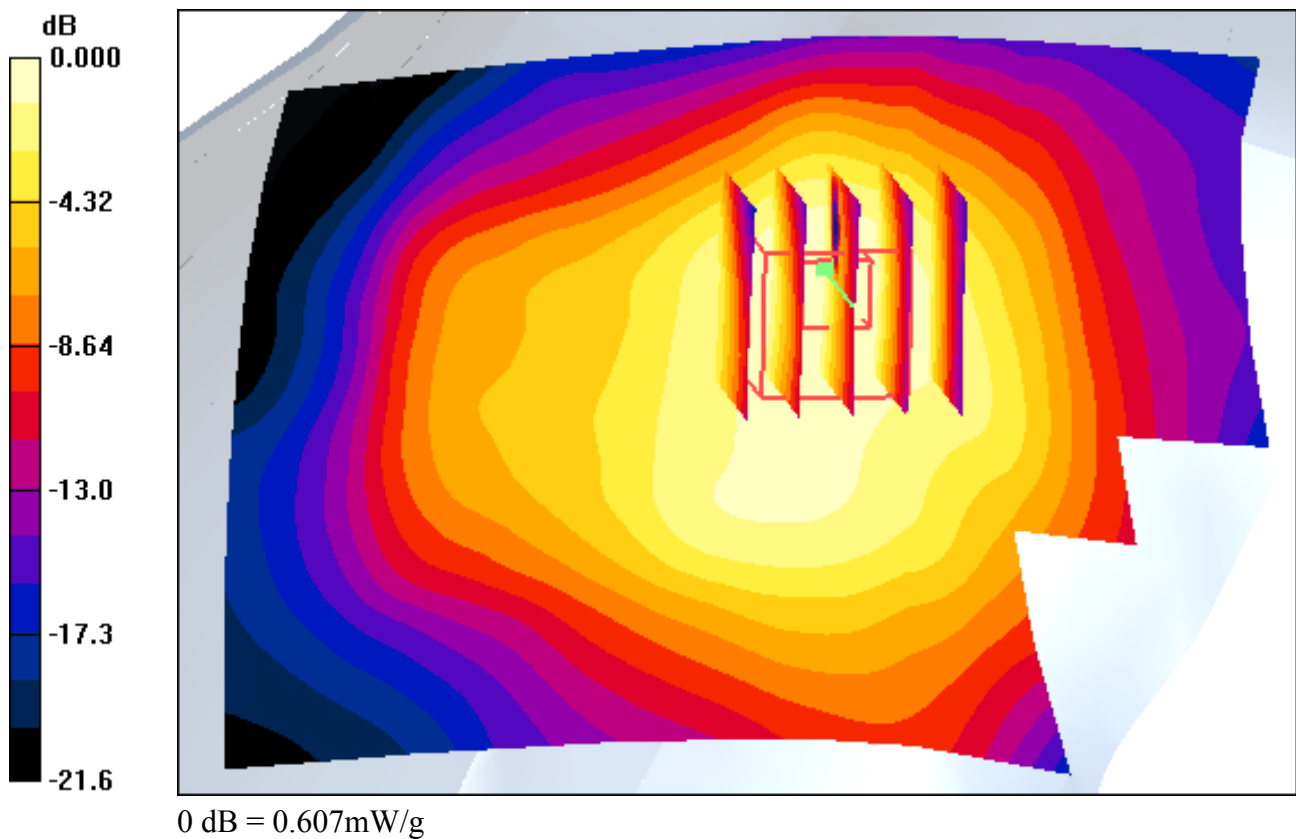
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.290 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

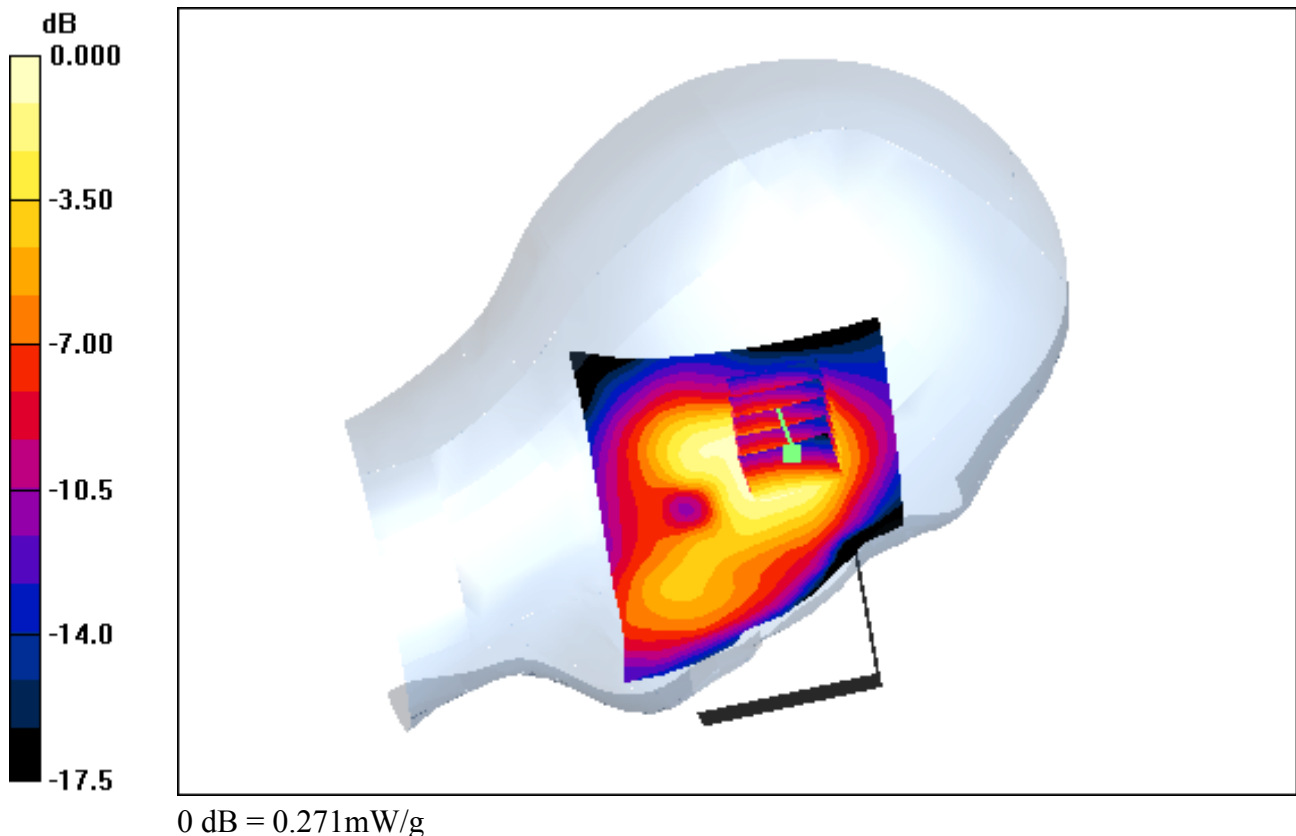
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.137 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

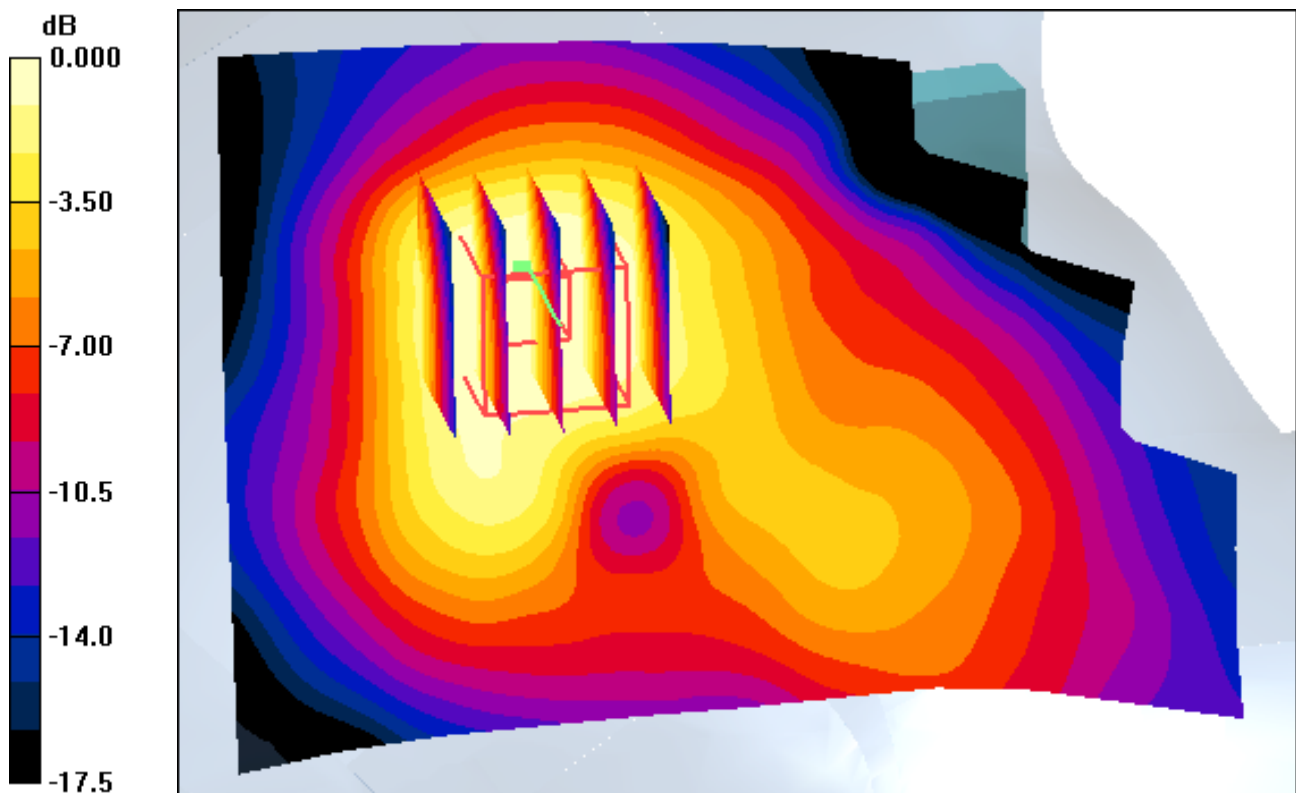
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.157 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.137 W/kg



0 dB = 0.271mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

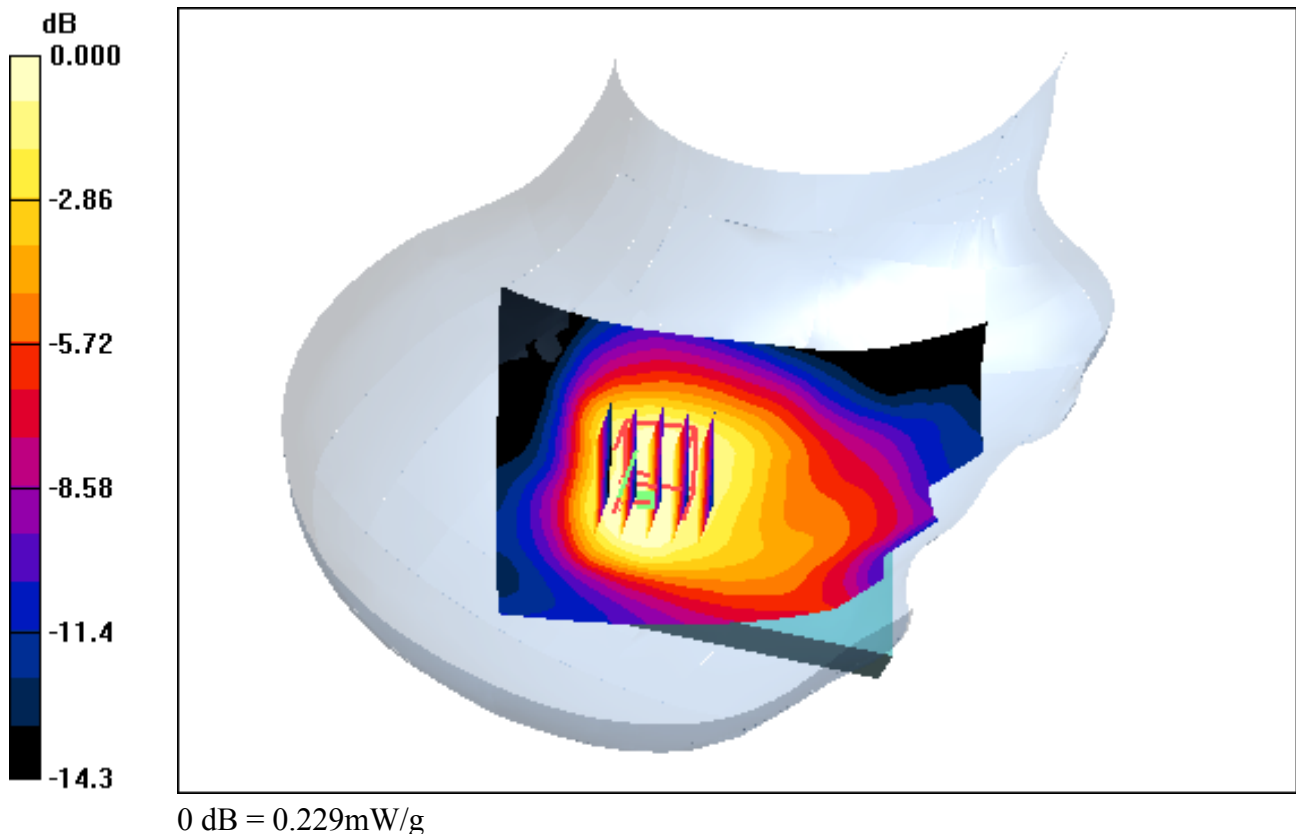
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.120 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

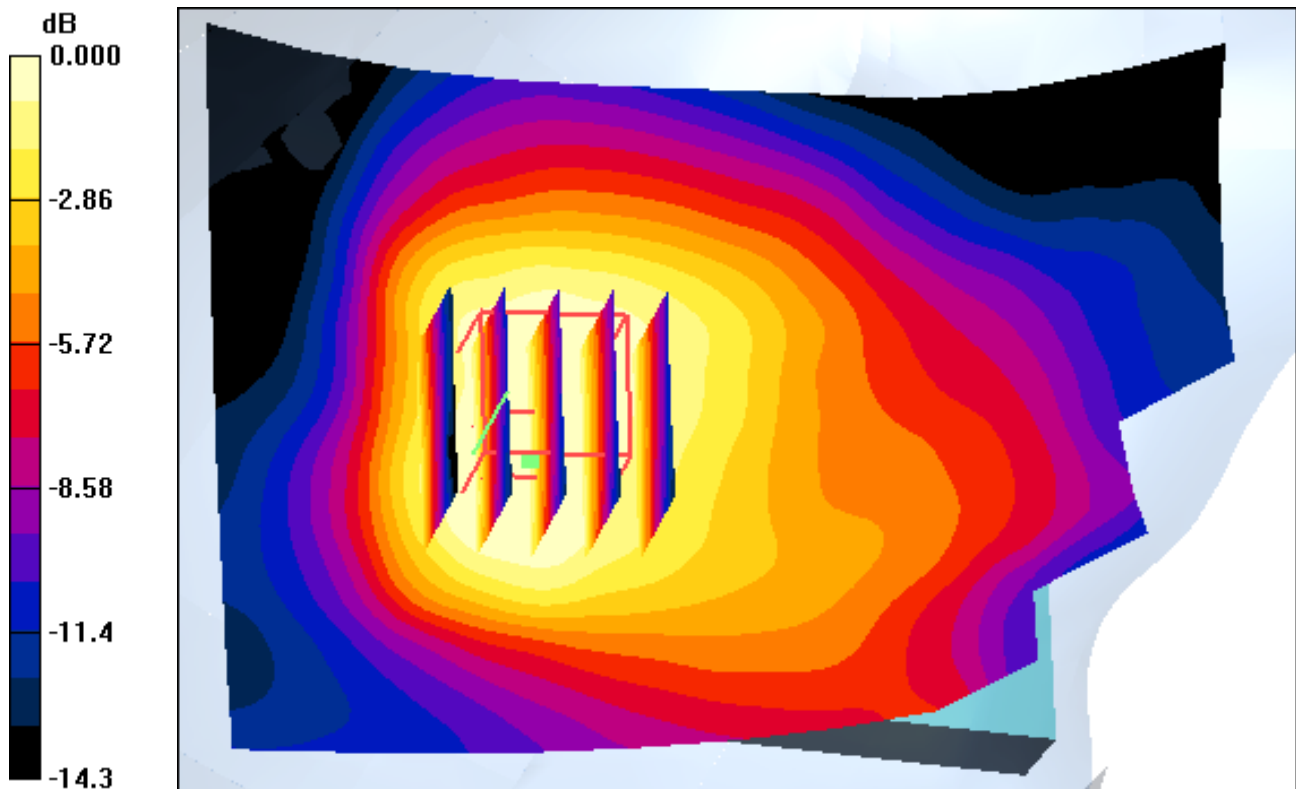
Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Right Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.120 W/kg



0 dB = 0.229mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.68, 7.68, 7.68); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-06; Ambient Temp: 21.2; Tissue Temp: 21.5

Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

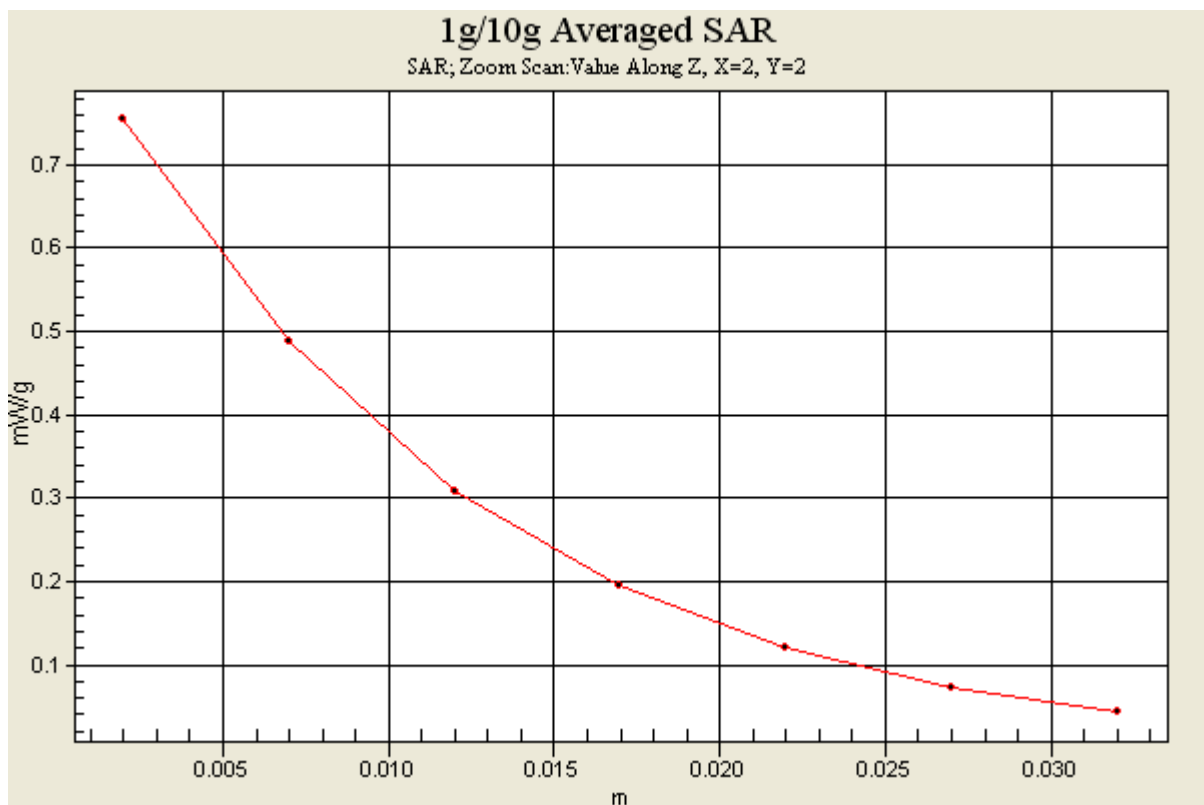
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.345 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Left Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

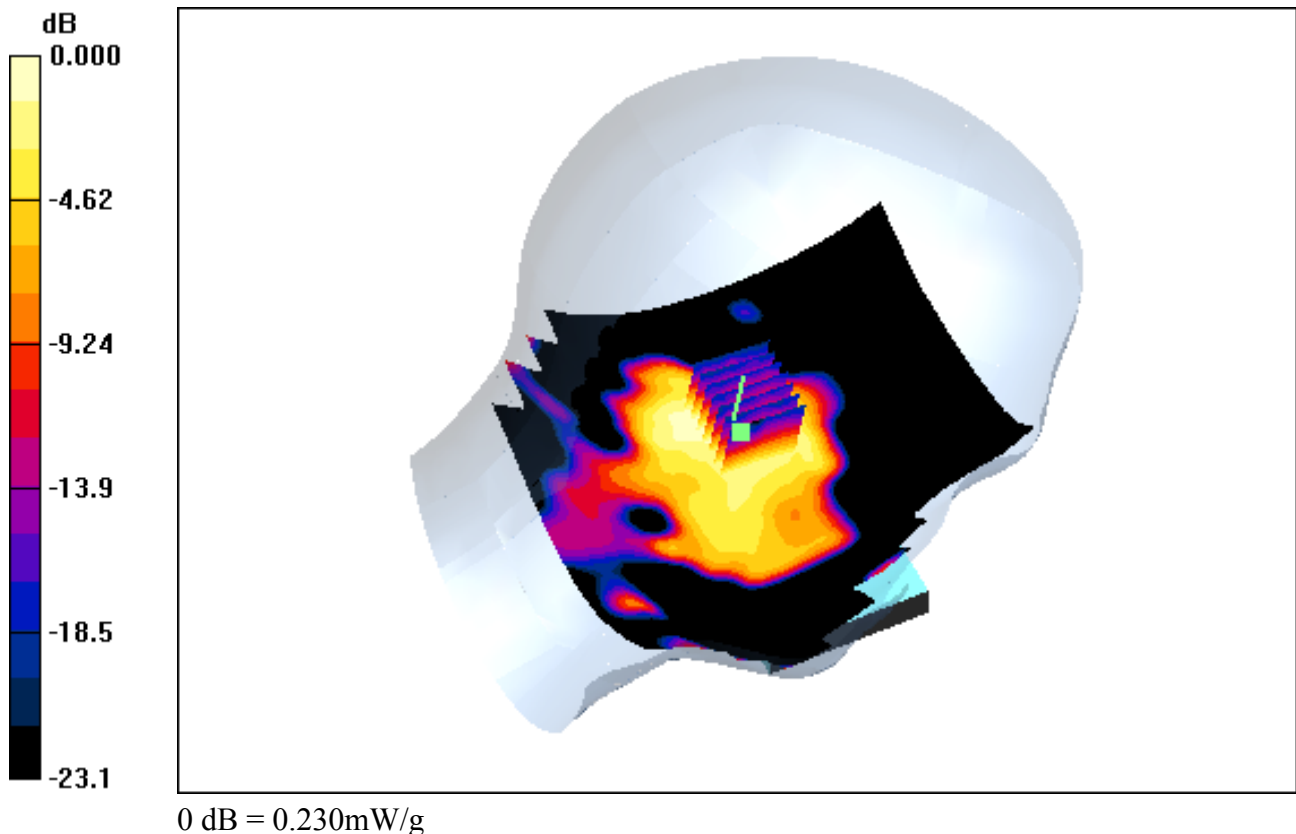
Area Scan (141x161x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.083 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Left Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

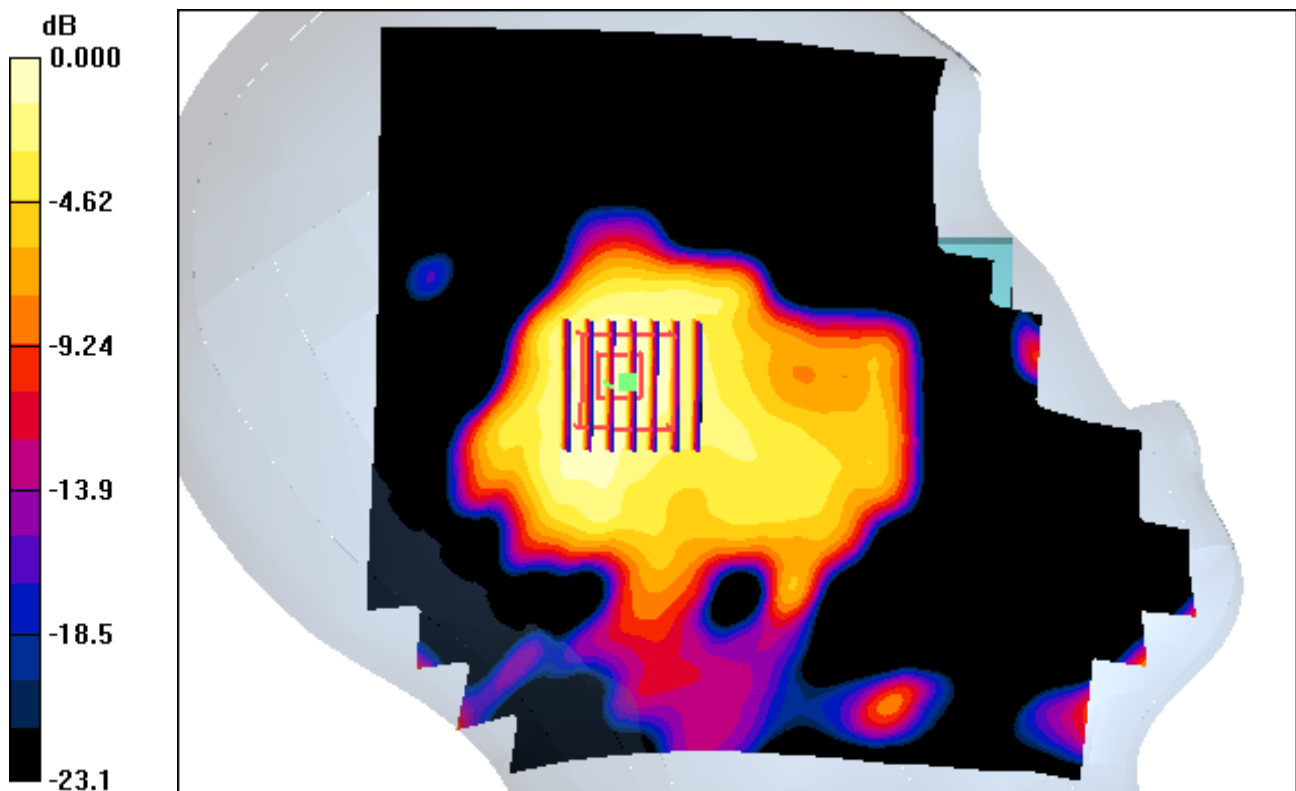
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.083 W/kg



0 dB = 0.230mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.77 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

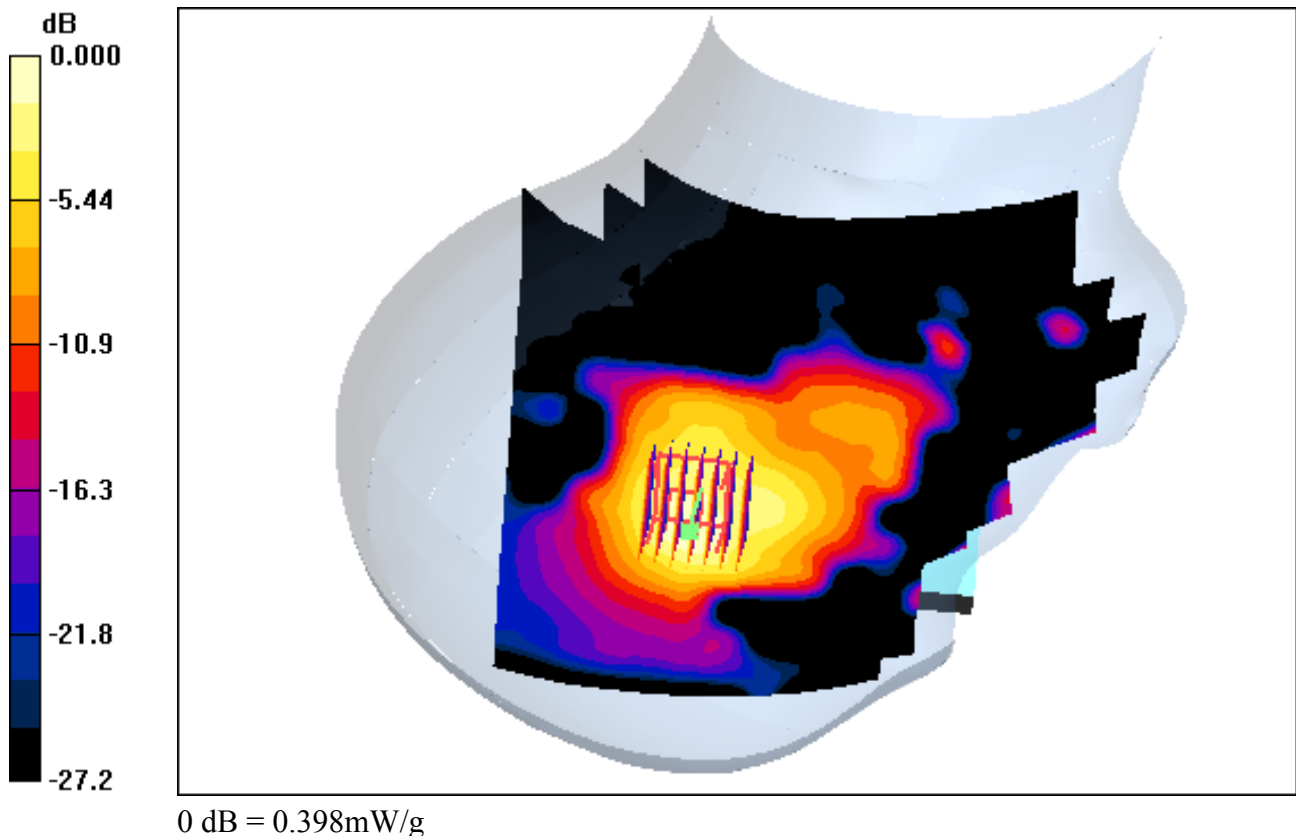
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.643 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.113 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.77 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

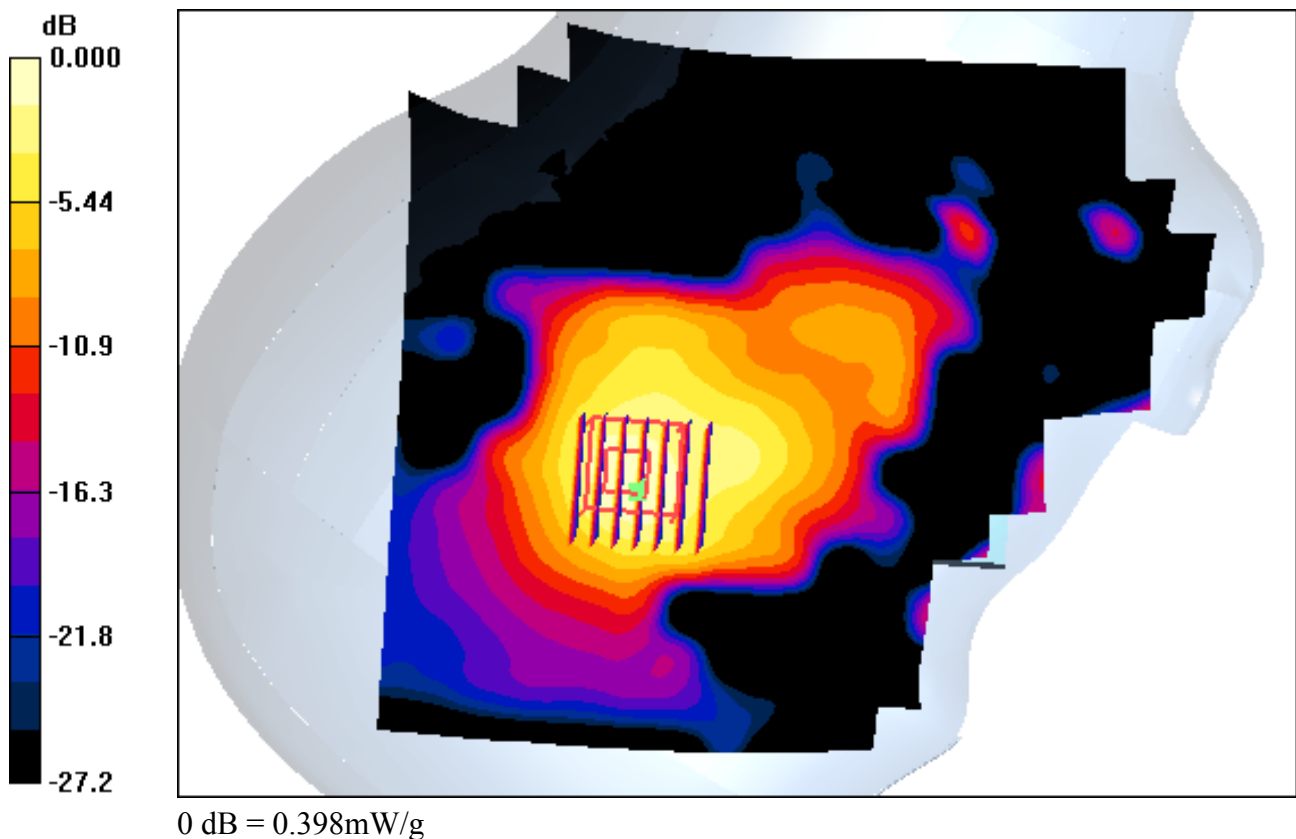
Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.088 dB
Peak SAR (extrapolated) = 0.643 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.113 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.79 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

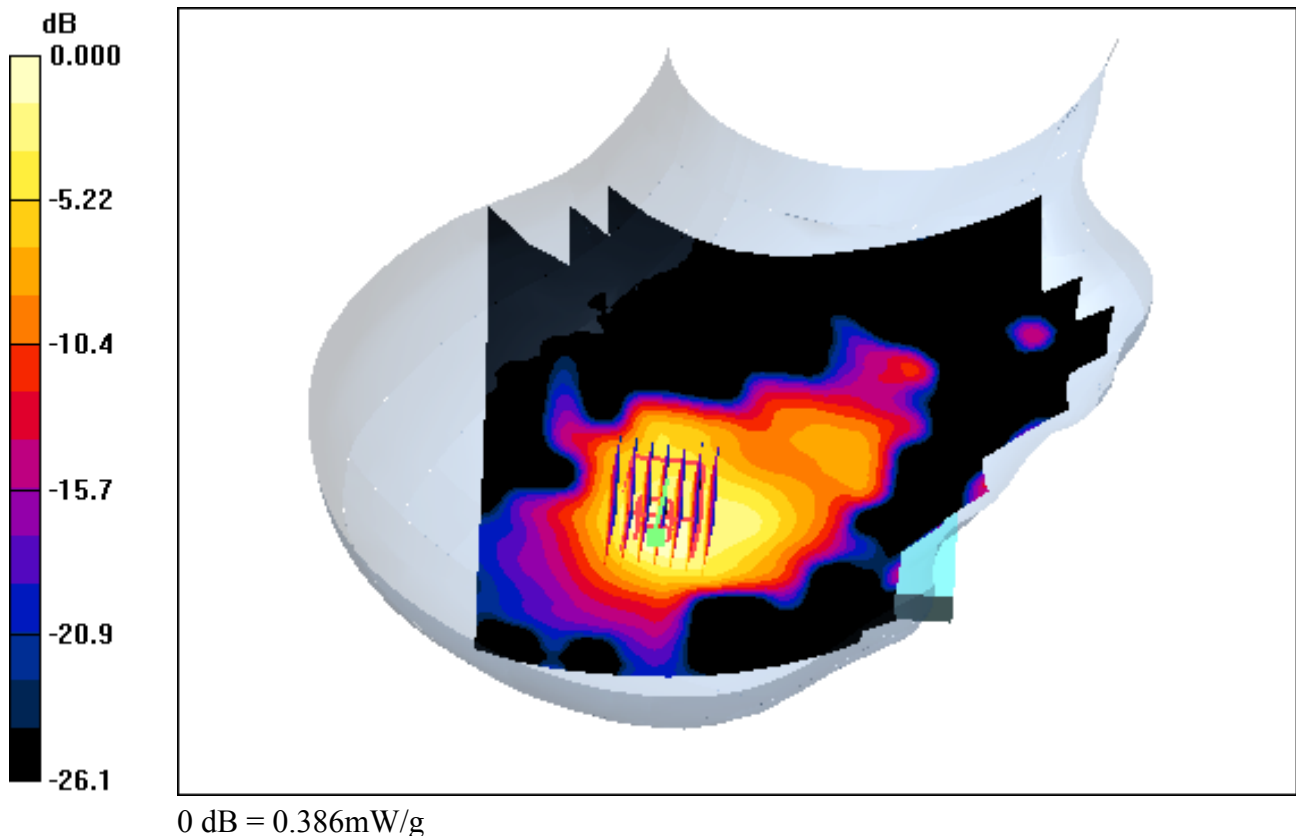
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.106 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.79 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

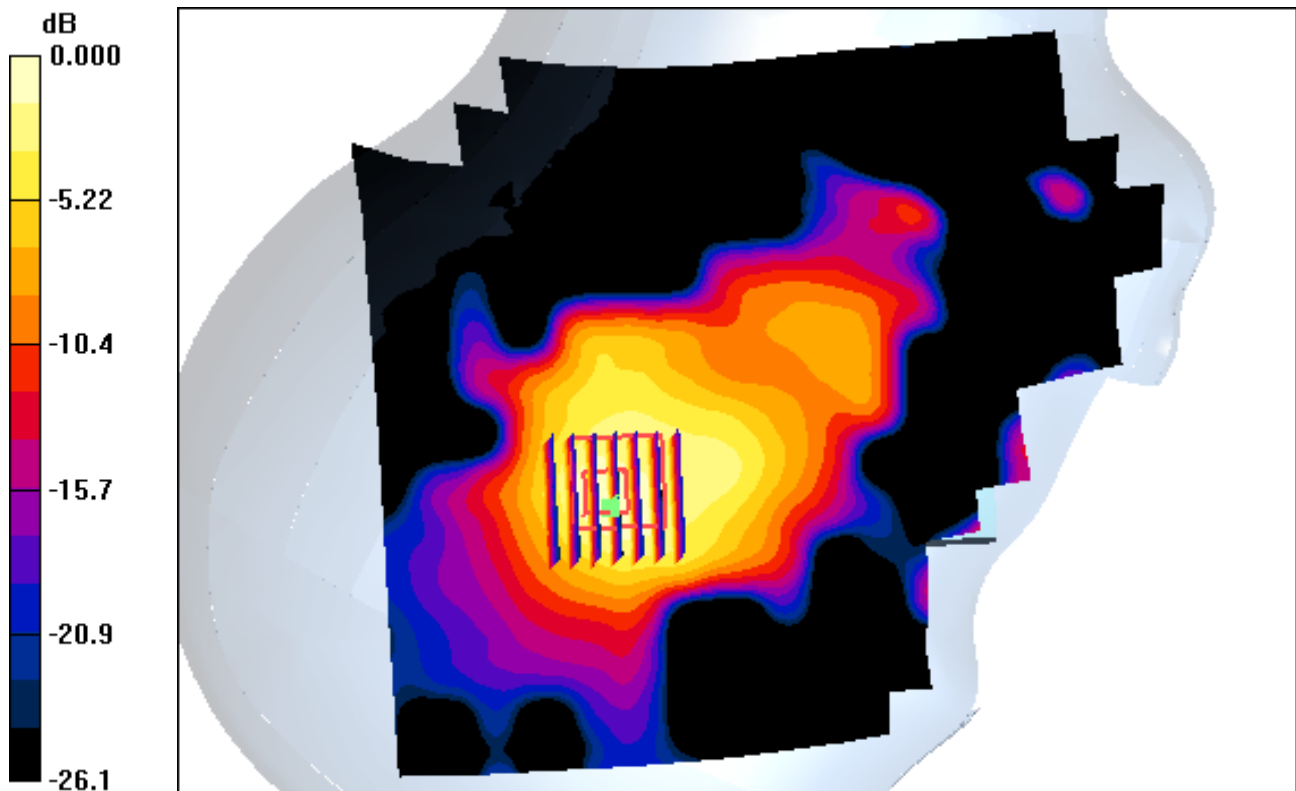
Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.582 W/kg
SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.106 W/kg



0 dB = 0.386mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

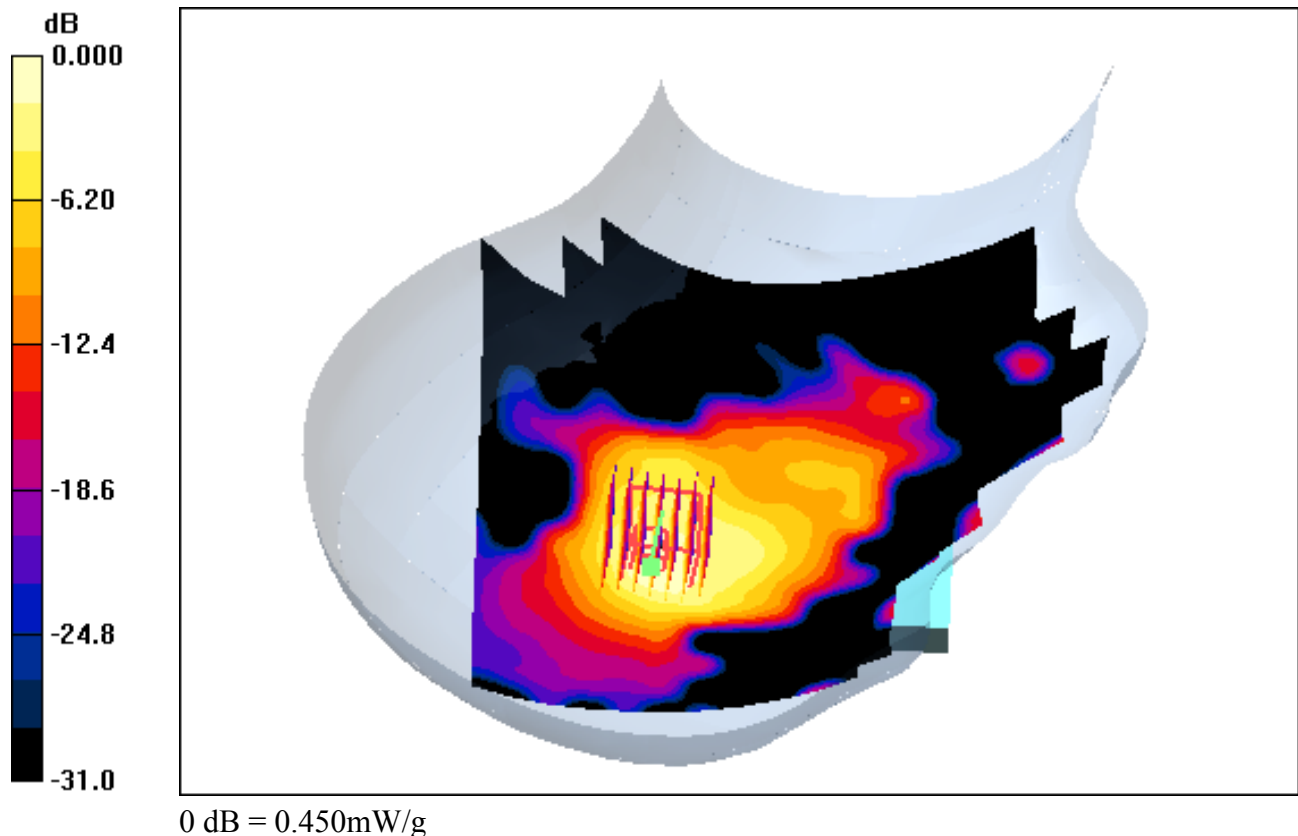
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.131 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

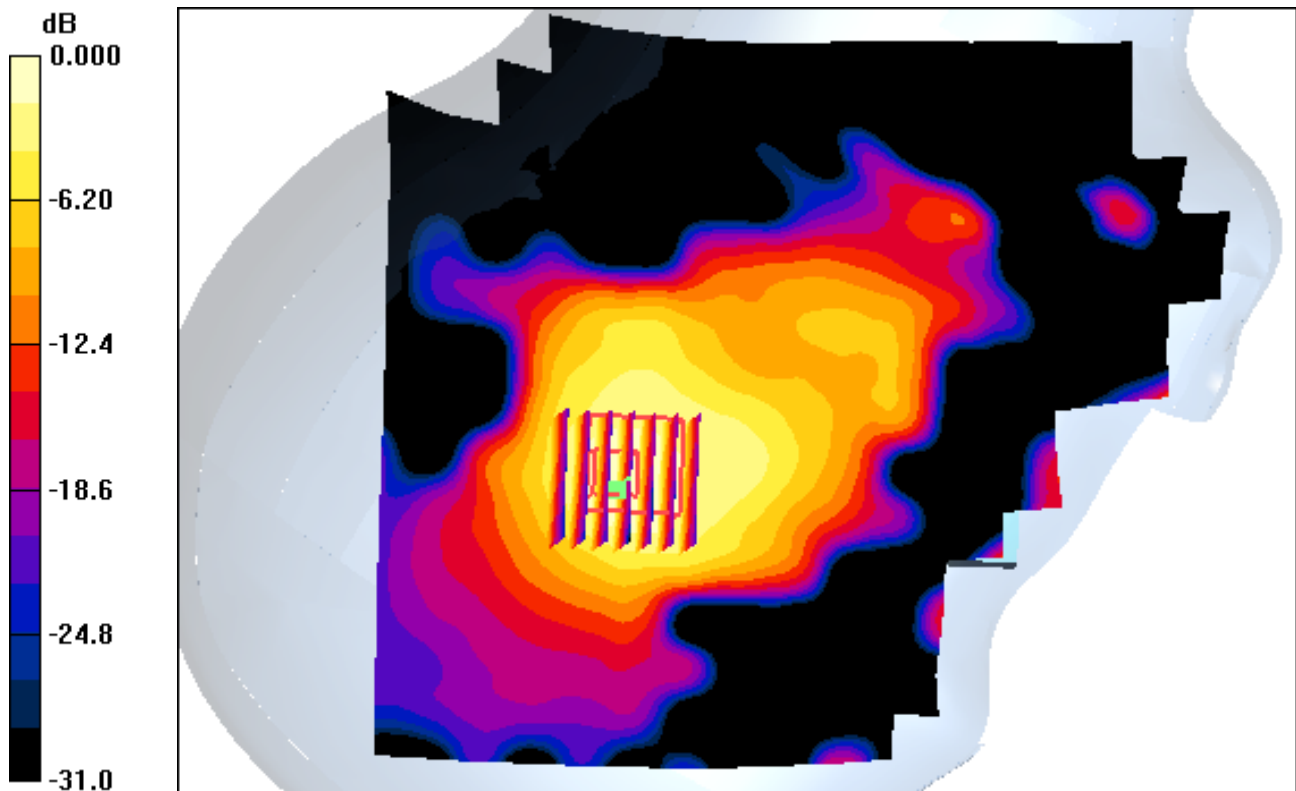
Area Scan (141x161x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.131 W/kg



0 dB = 0.450mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Left Tilt, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

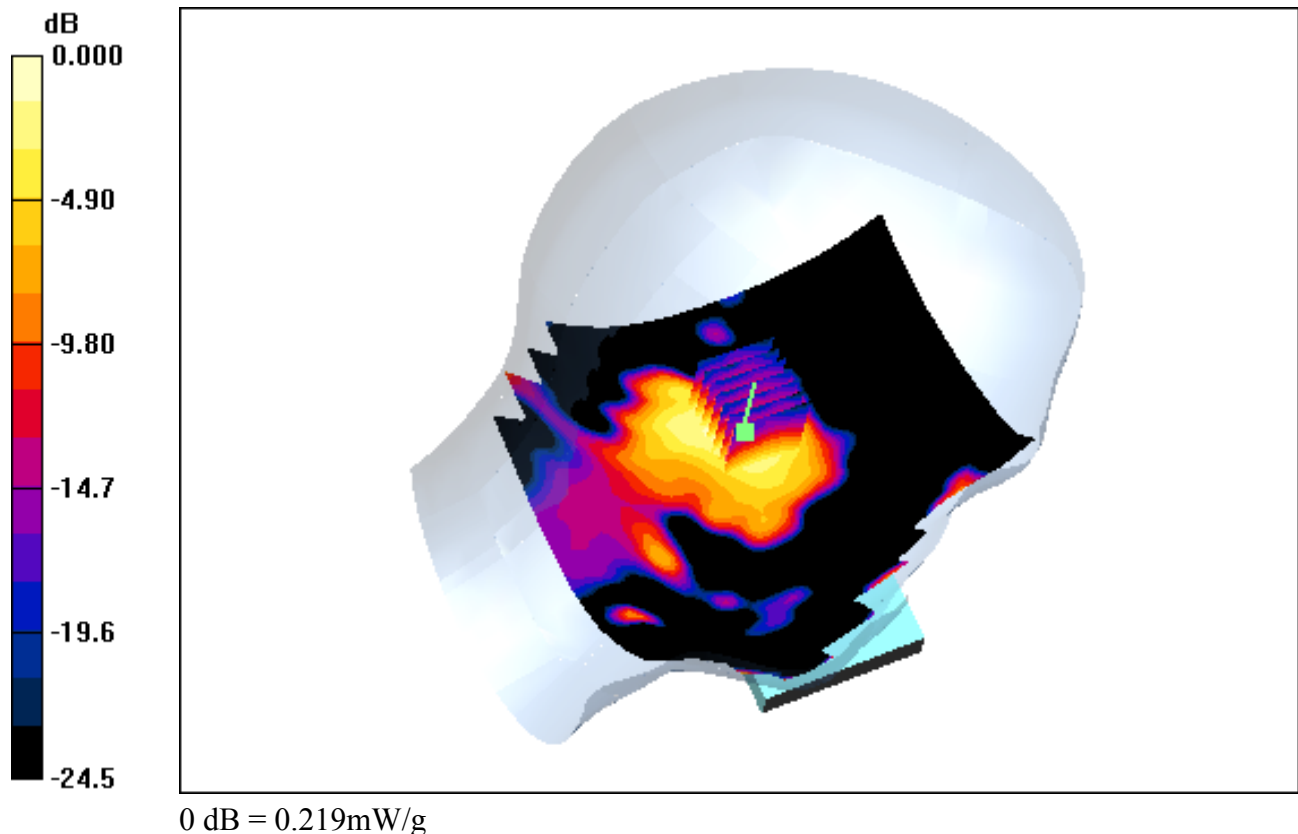
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.061 dB

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.073 W/kg



DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

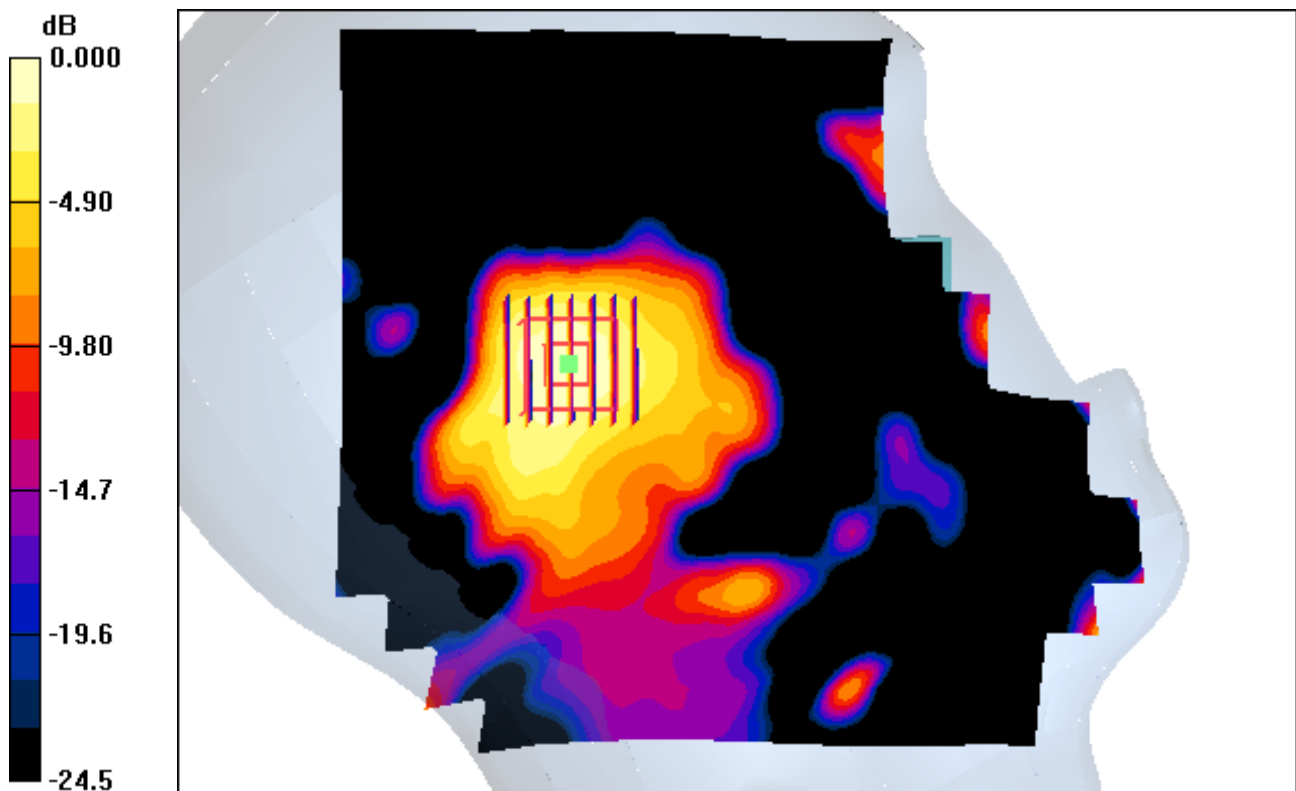
Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Left Tilt, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.061 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.073 W/kg



0 dB = 0.219mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Tilt, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

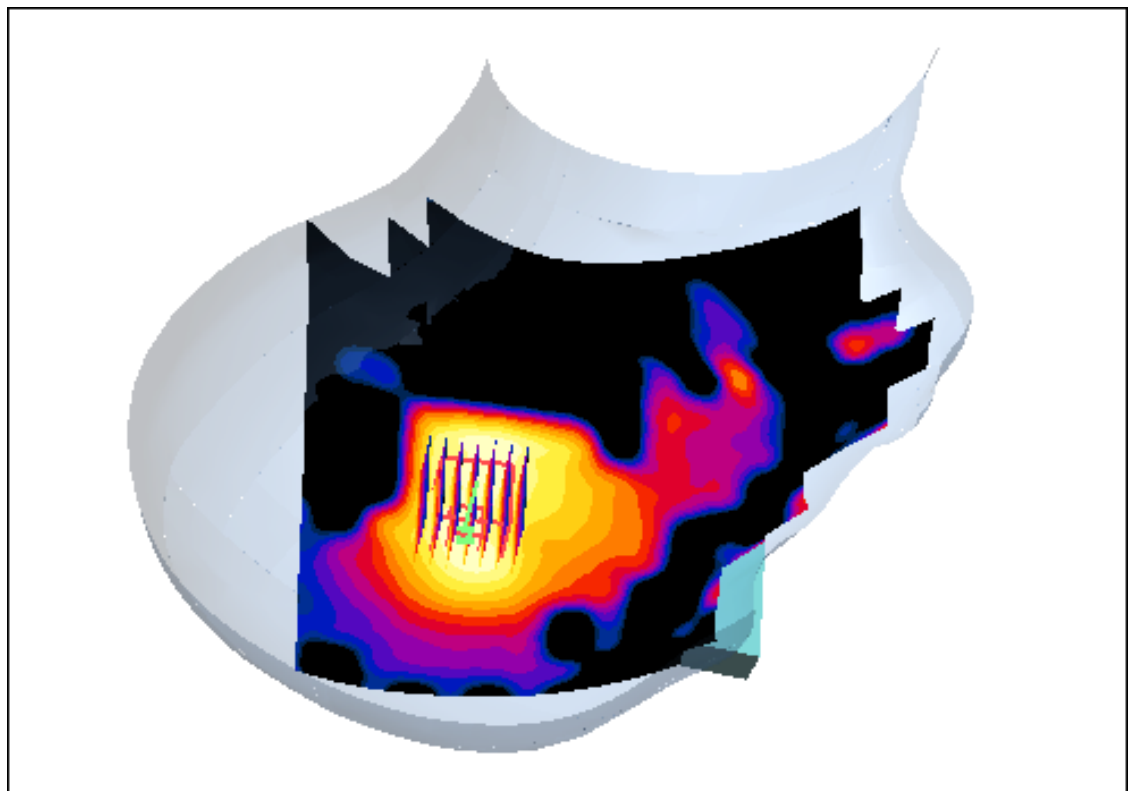
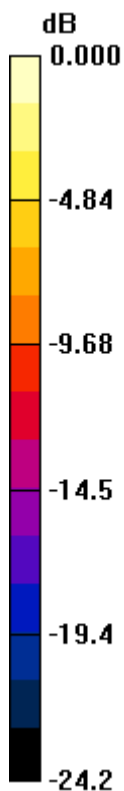
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.149 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.064 W/kg



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Tilt, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

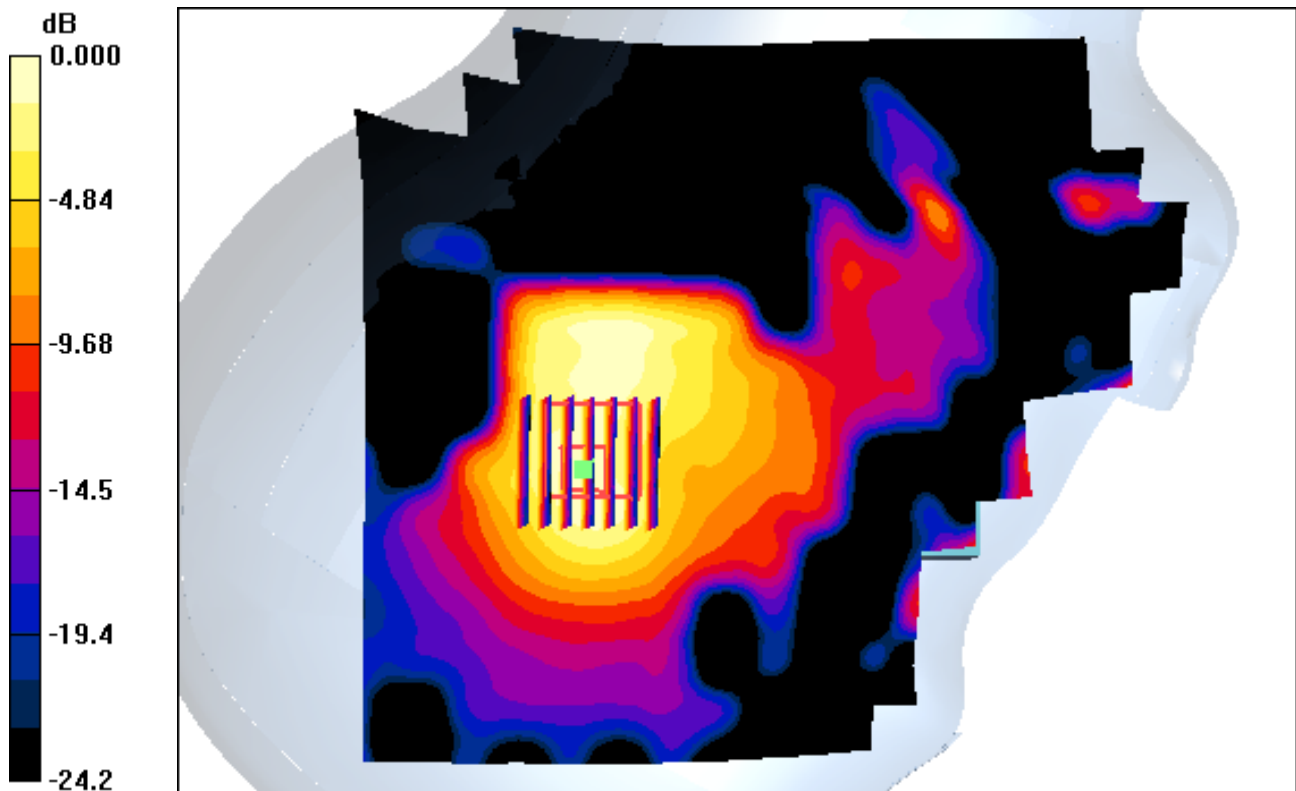
Area Scan (141x161x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.149 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.064 W/kg



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: LG-E425f; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.81$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2013-01-24; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-02-18; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

Area Scan (141x161x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.131 W/kg

