

SAR Test Plots

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

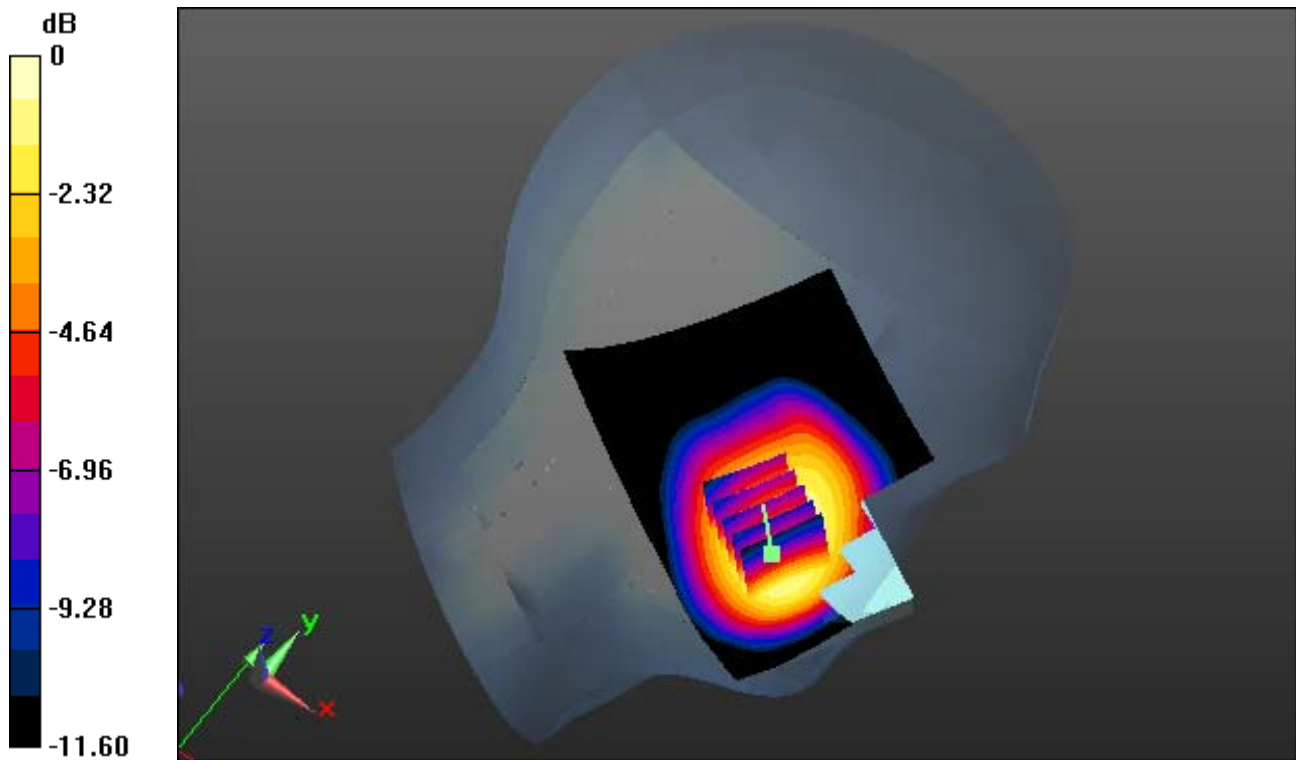
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.154 W/kg



0 dB = 0.257 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

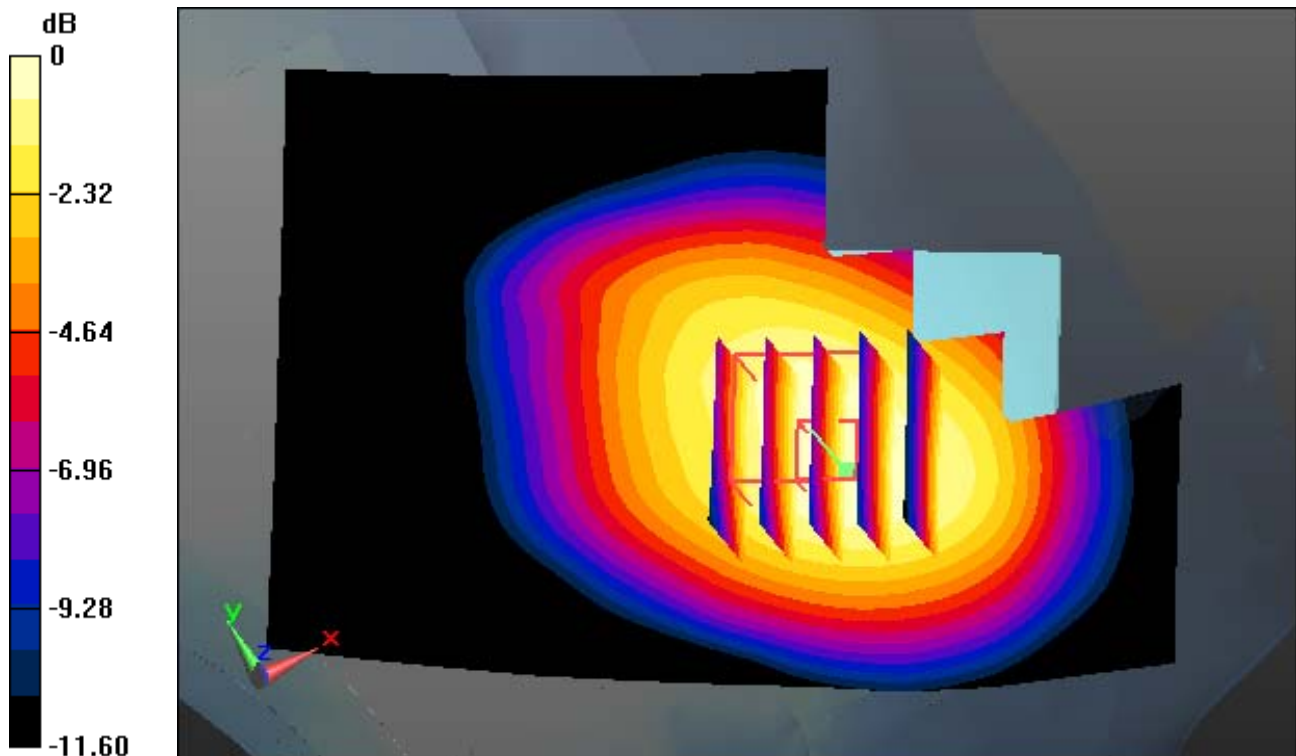
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

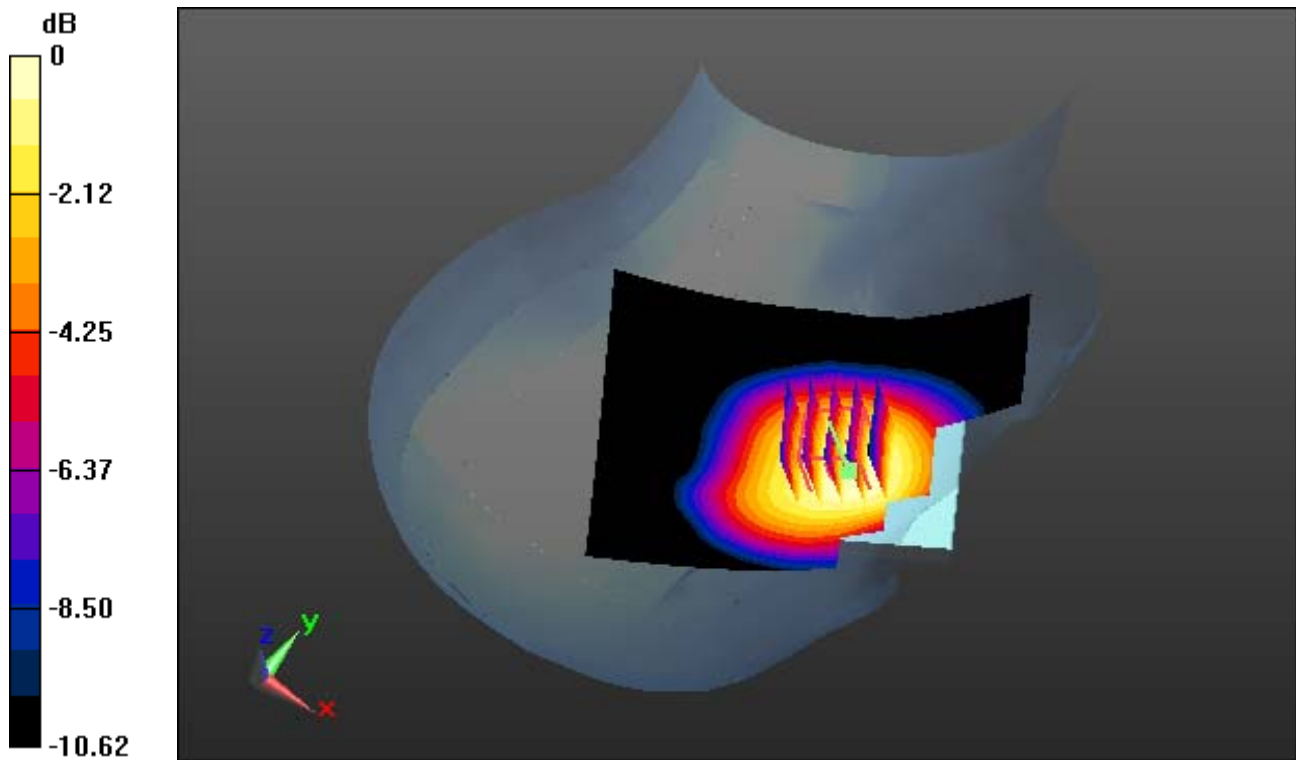
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.130 W/kg



0 dB = 0.203 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

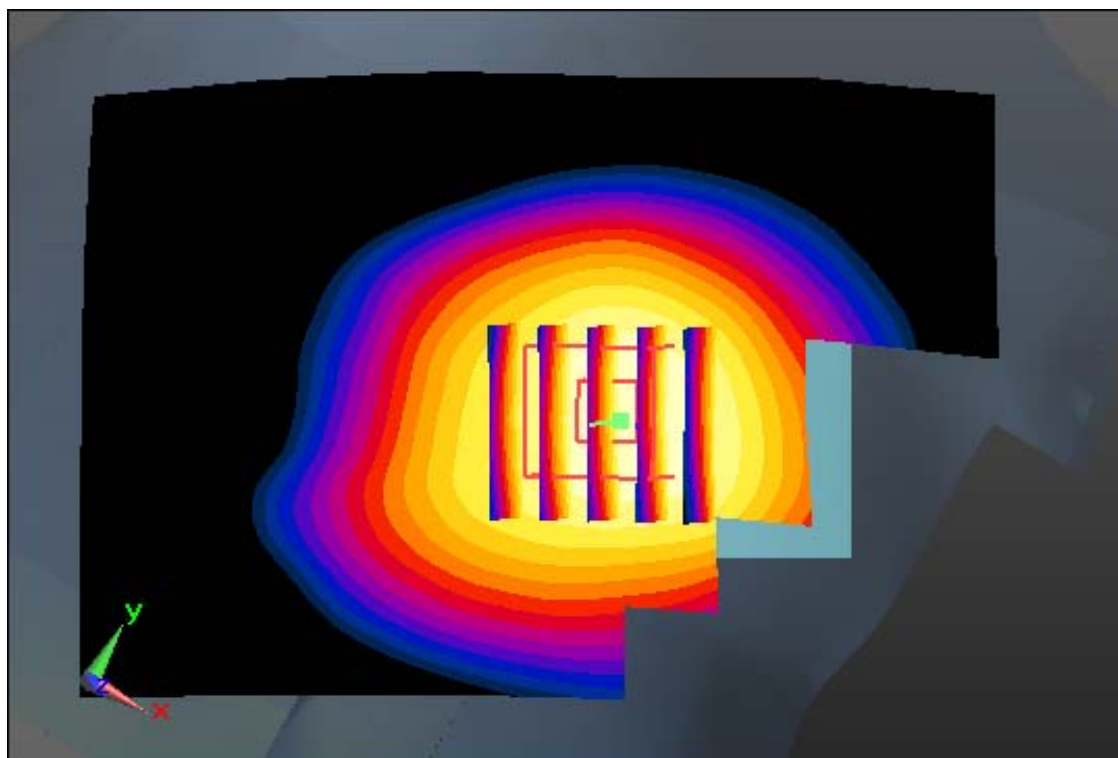
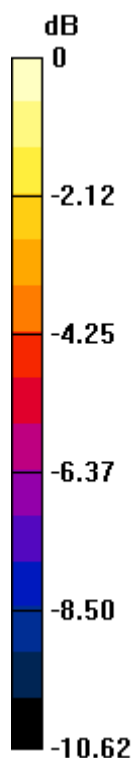
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

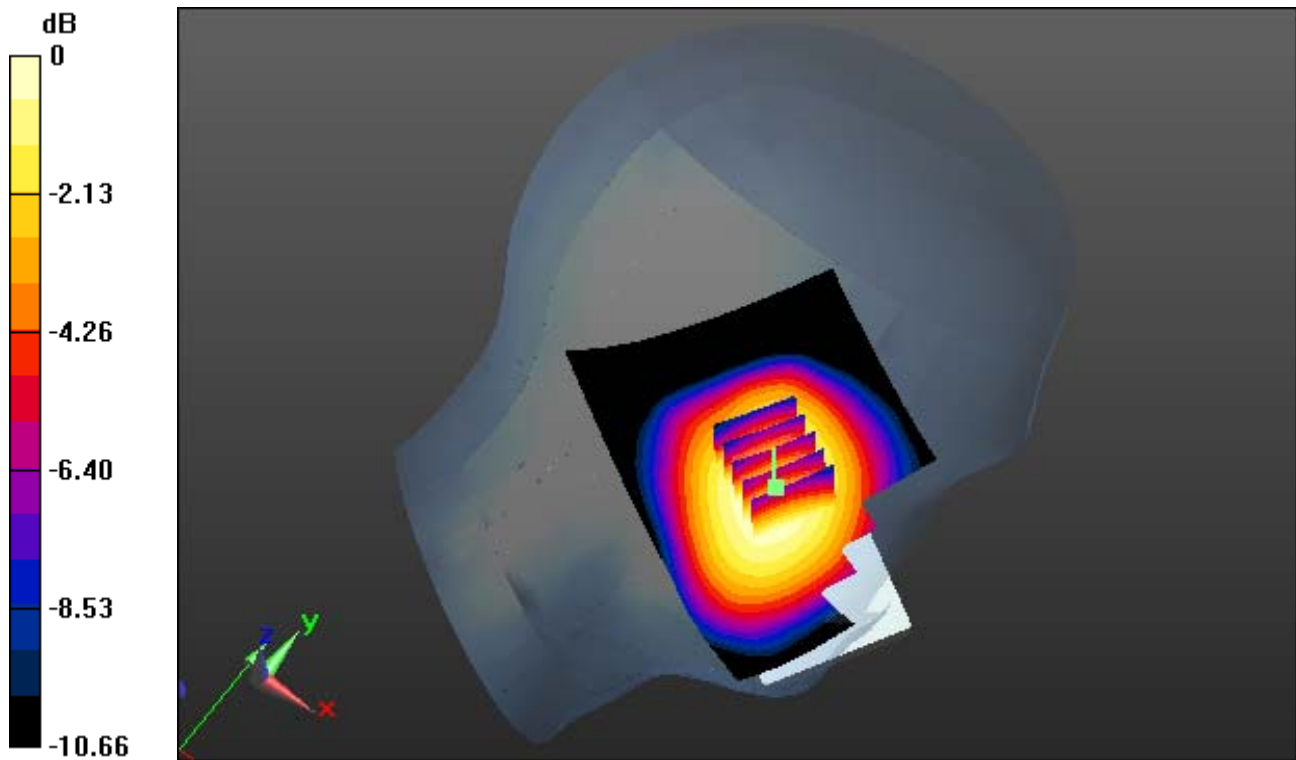
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.101 W/kg



0 dB = 0.156 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

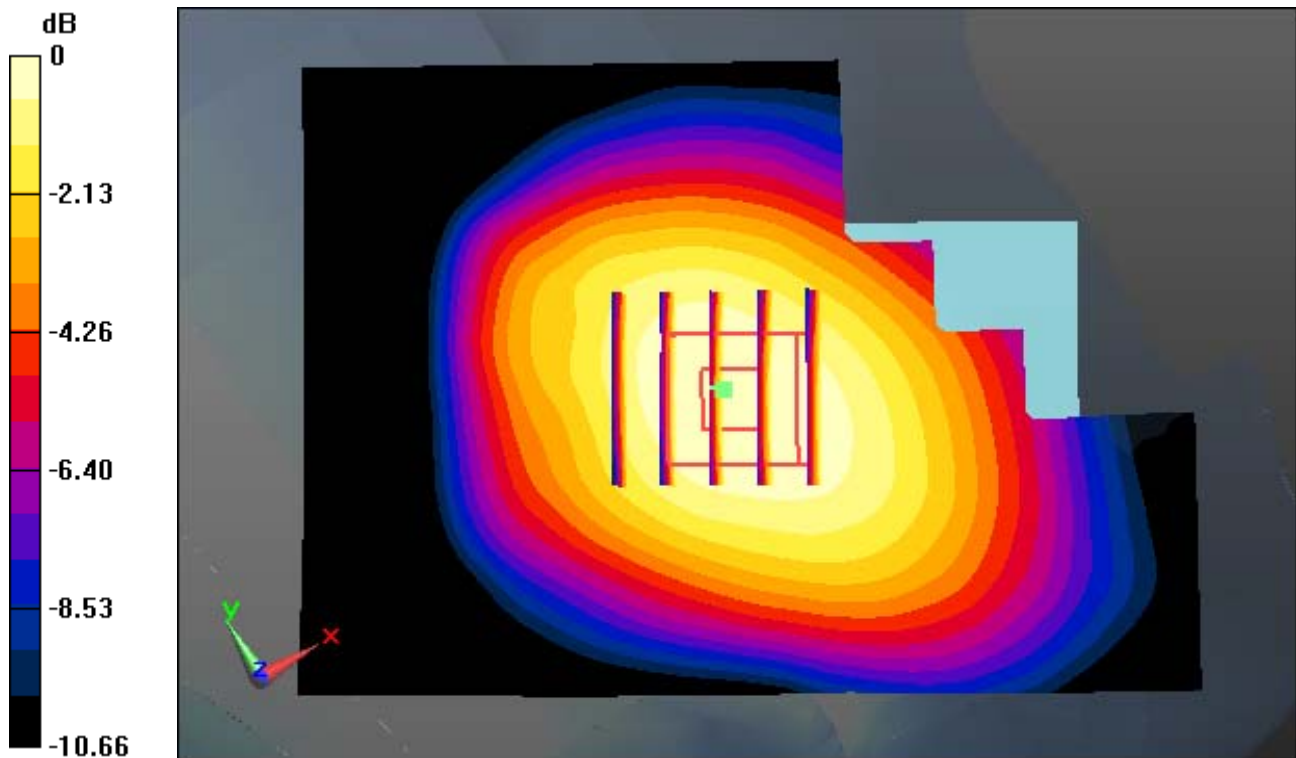
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

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Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

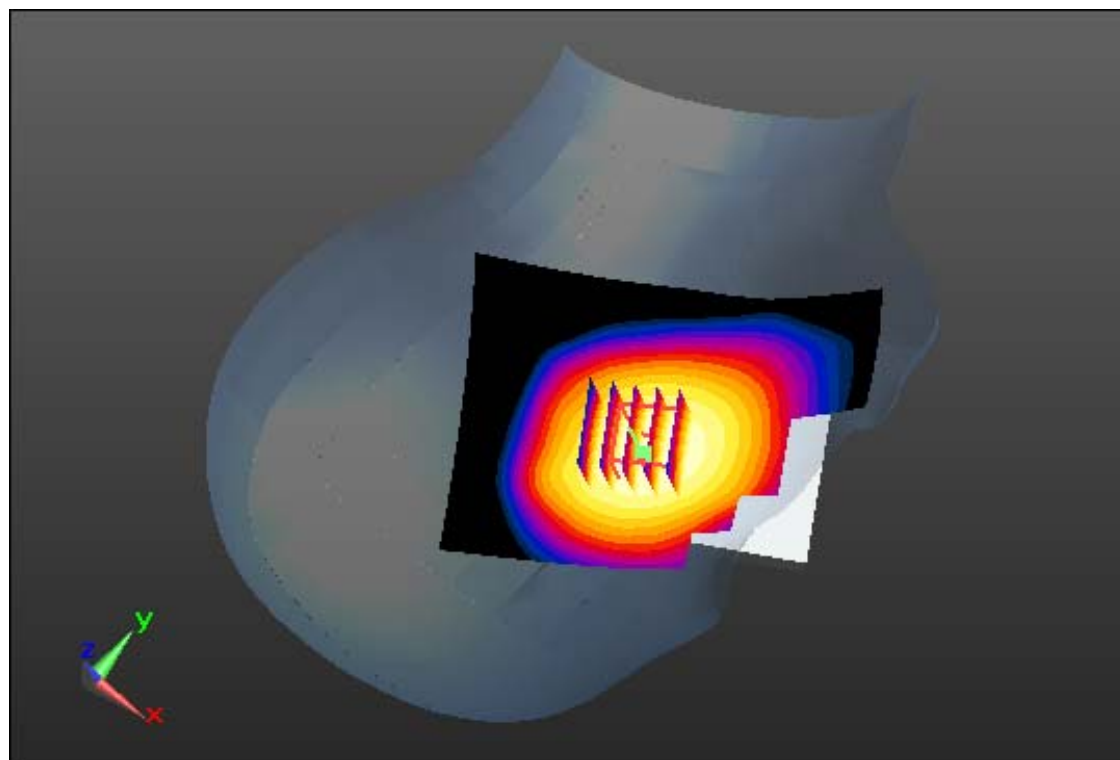
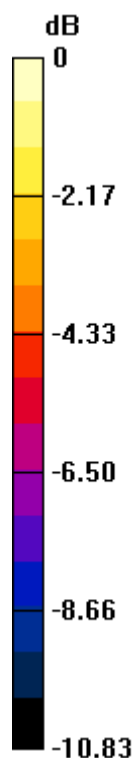
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.083 W/kg



0 dB = 0.127 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

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Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

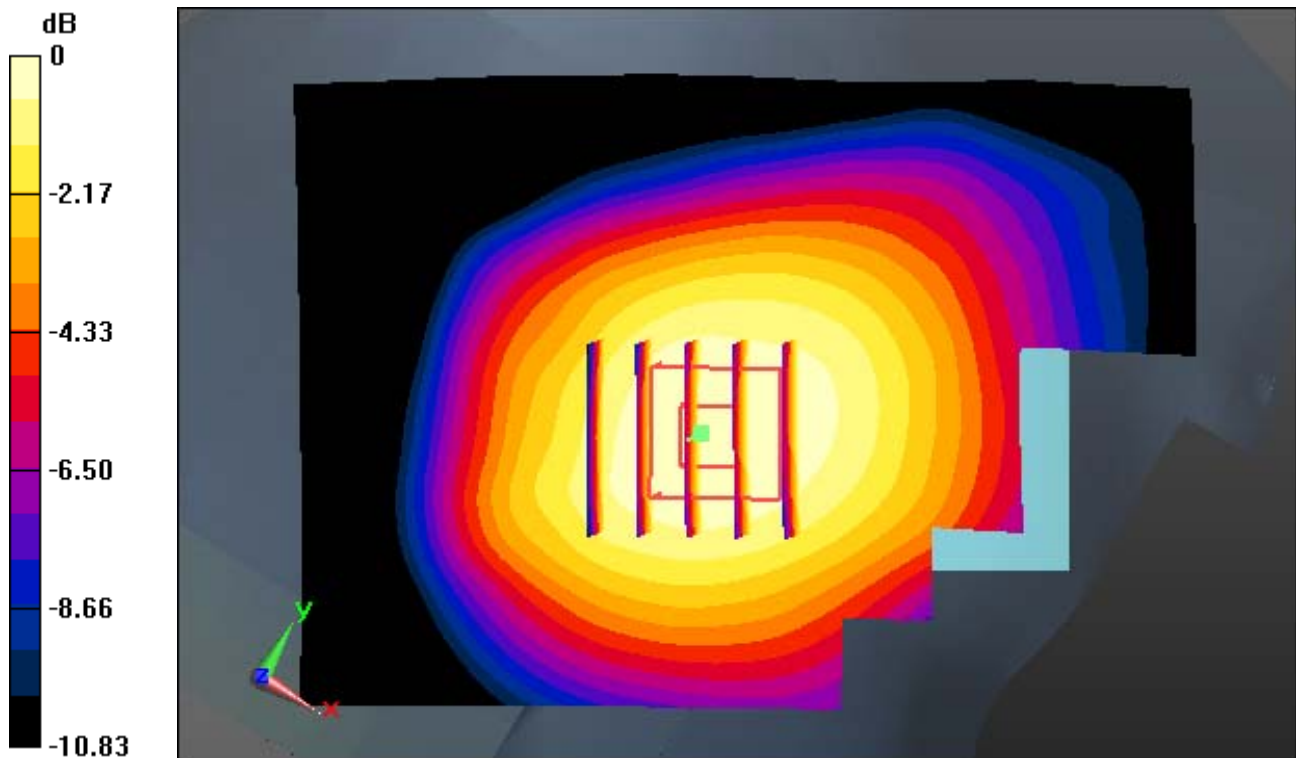
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
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Phantom section: Left Section

DASY5 Configuration:

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Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

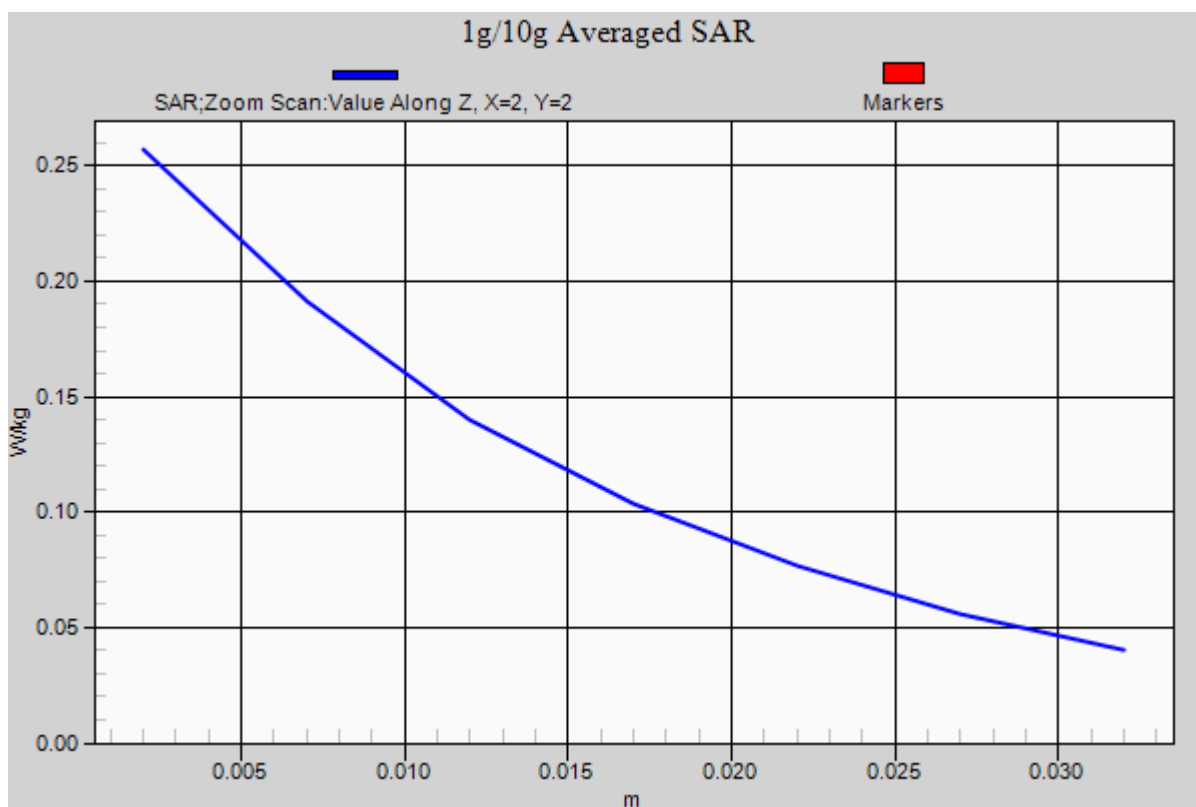
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.154 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

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Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

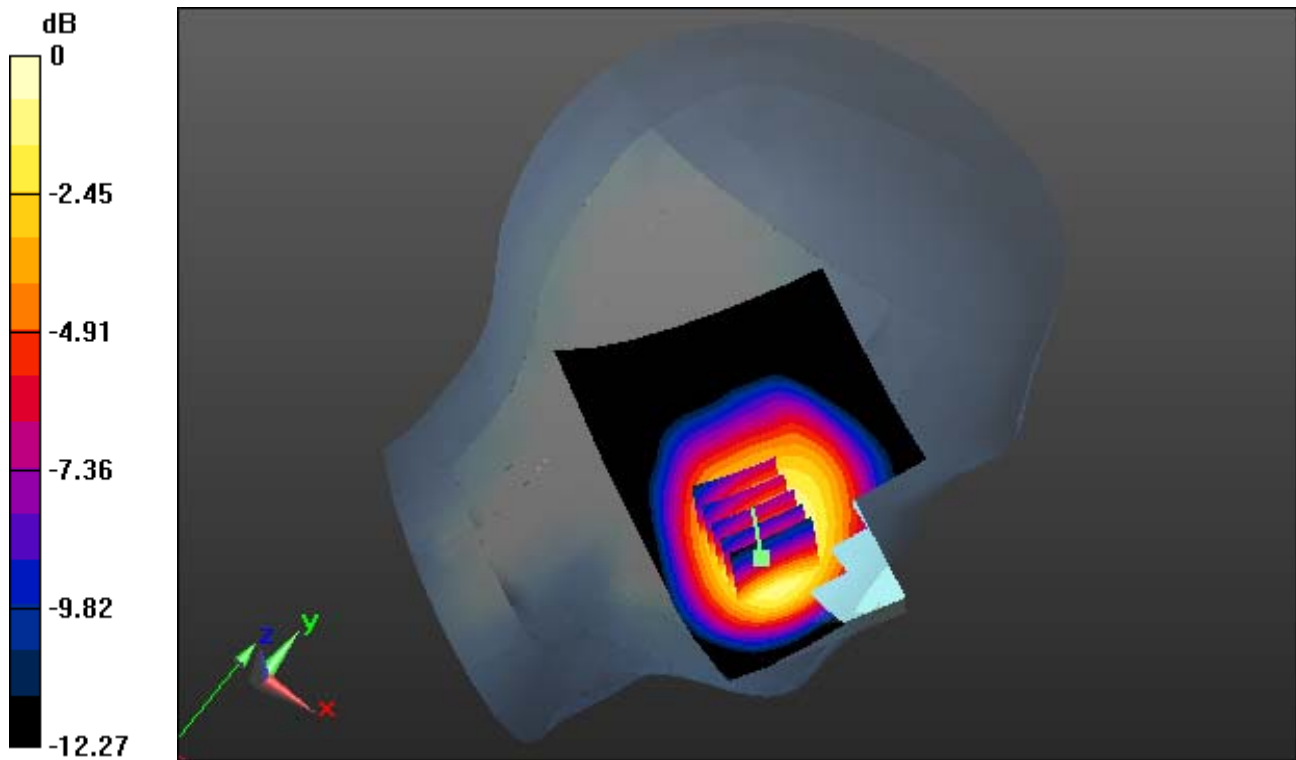
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.156 W/kg



0 dB = 0.259 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

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Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

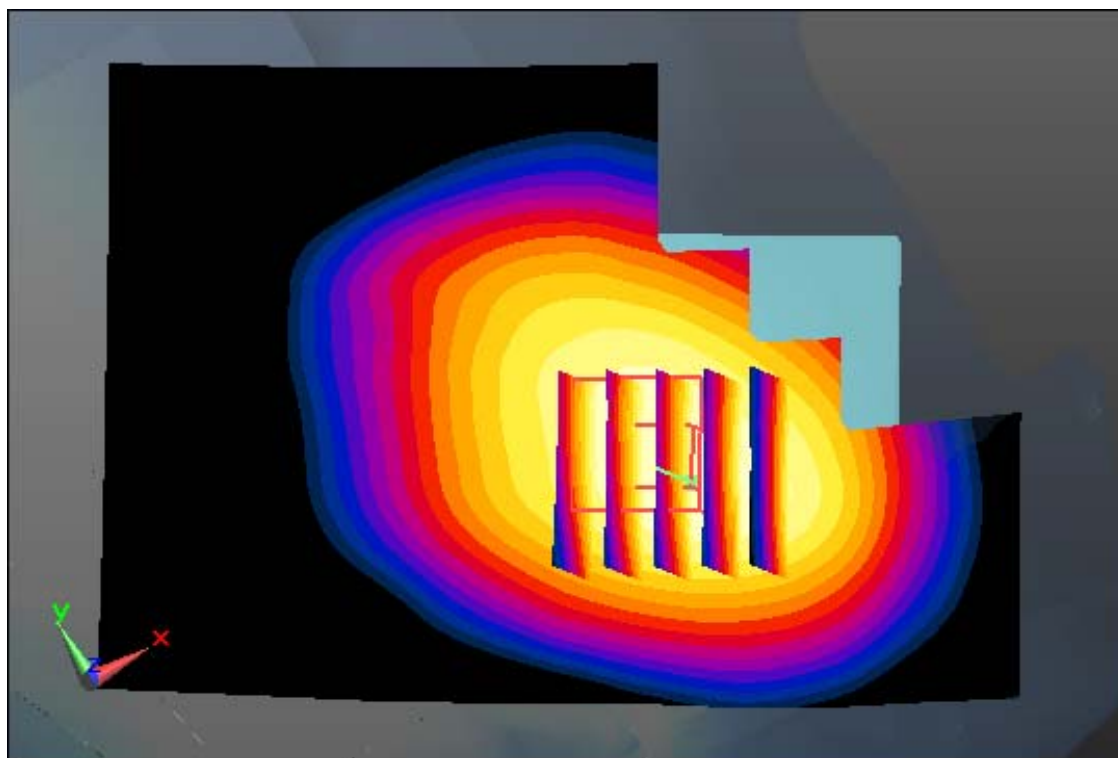
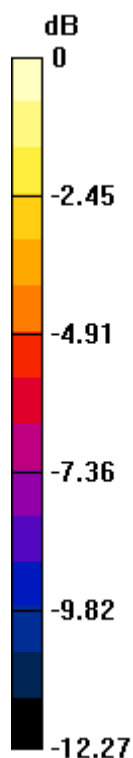
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SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.156 W/kg



0 dB = 0.259 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

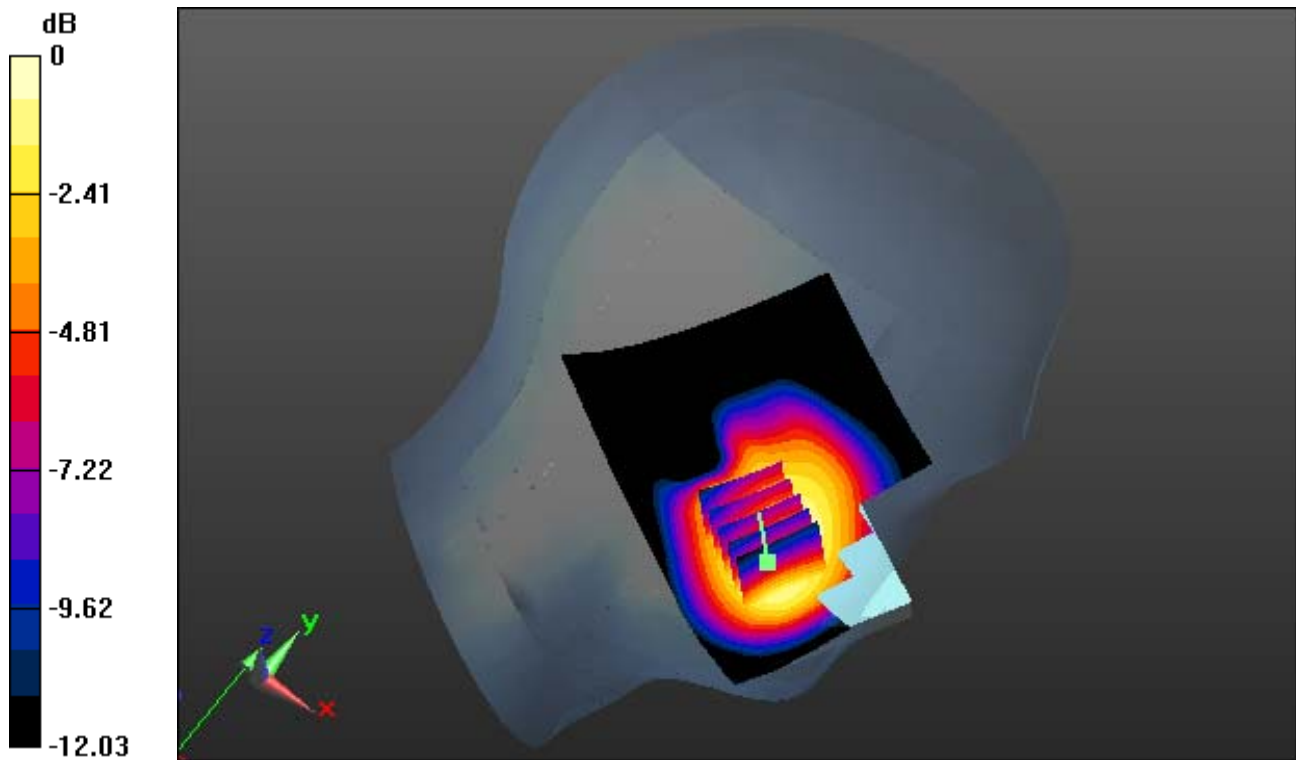
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.226 W/kg



0 dB = 0.376 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

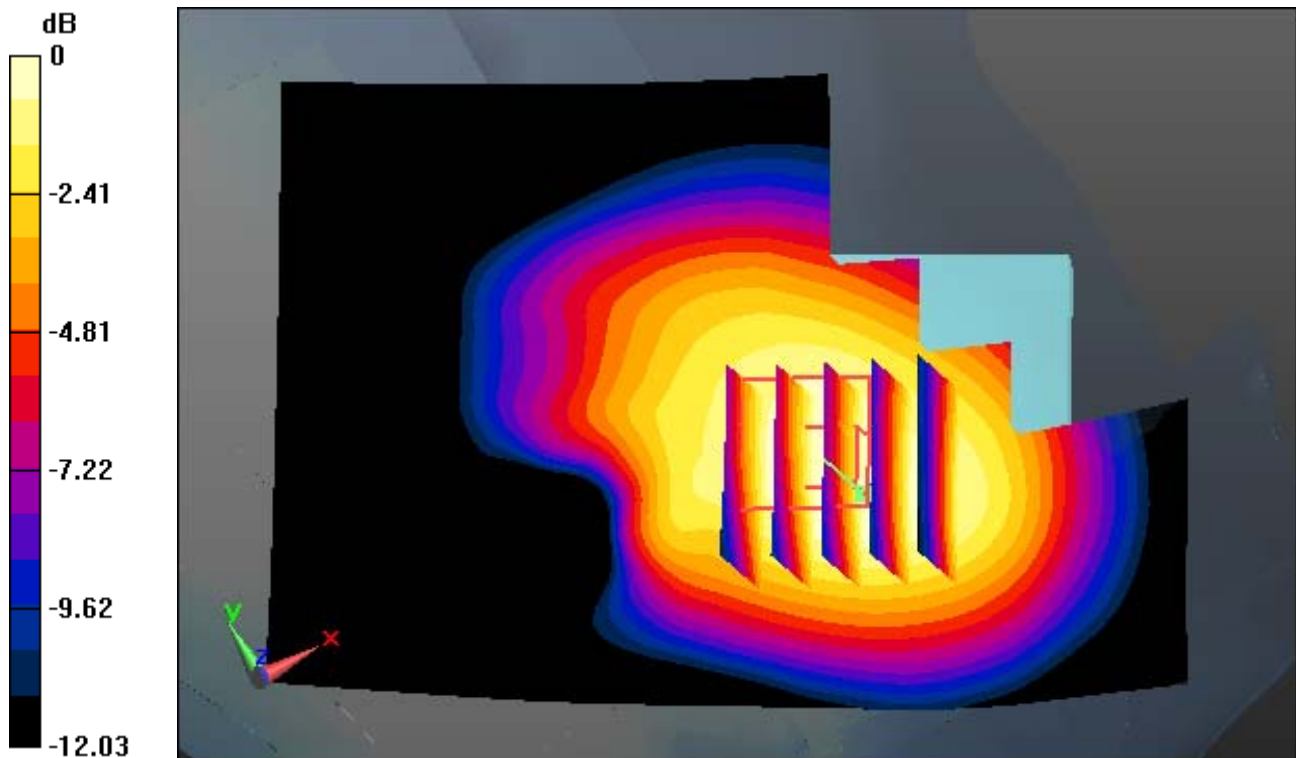
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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0 dB = 0.376 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

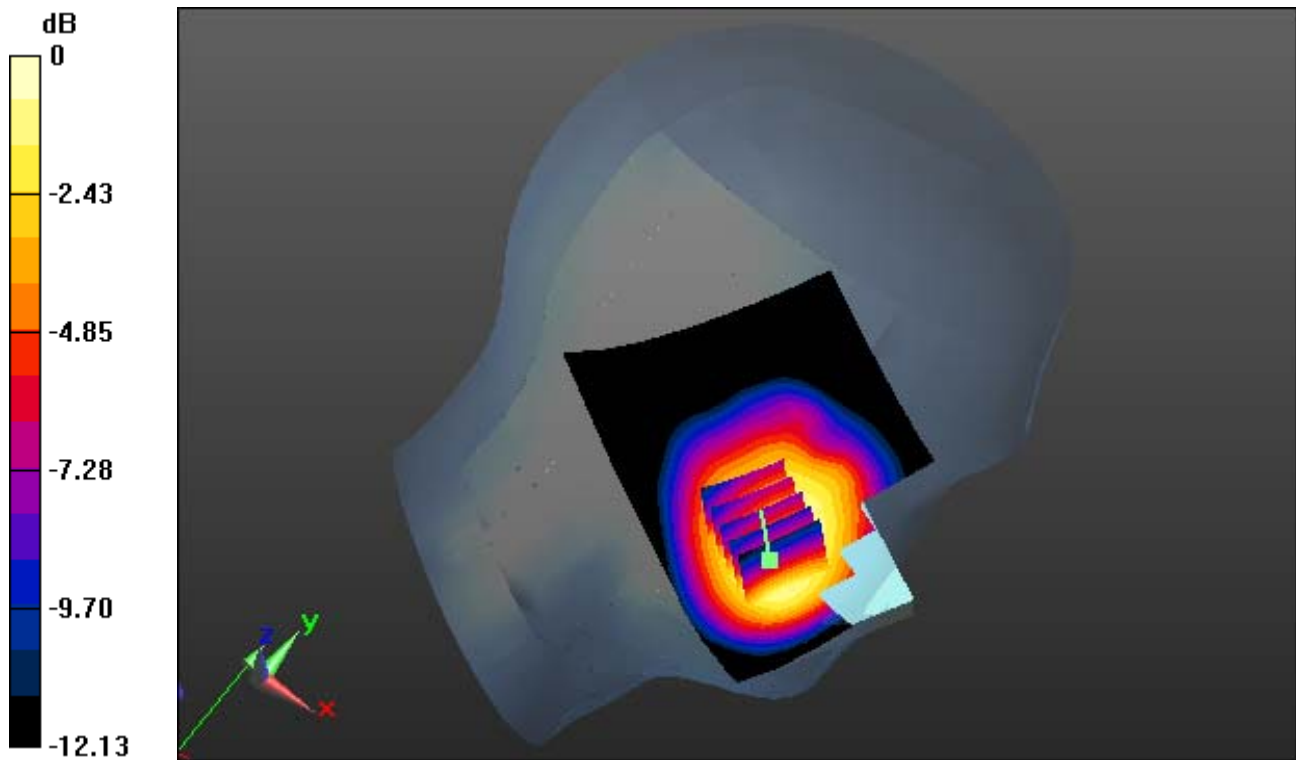
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.224 W/kg



0 dB = 0.373 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

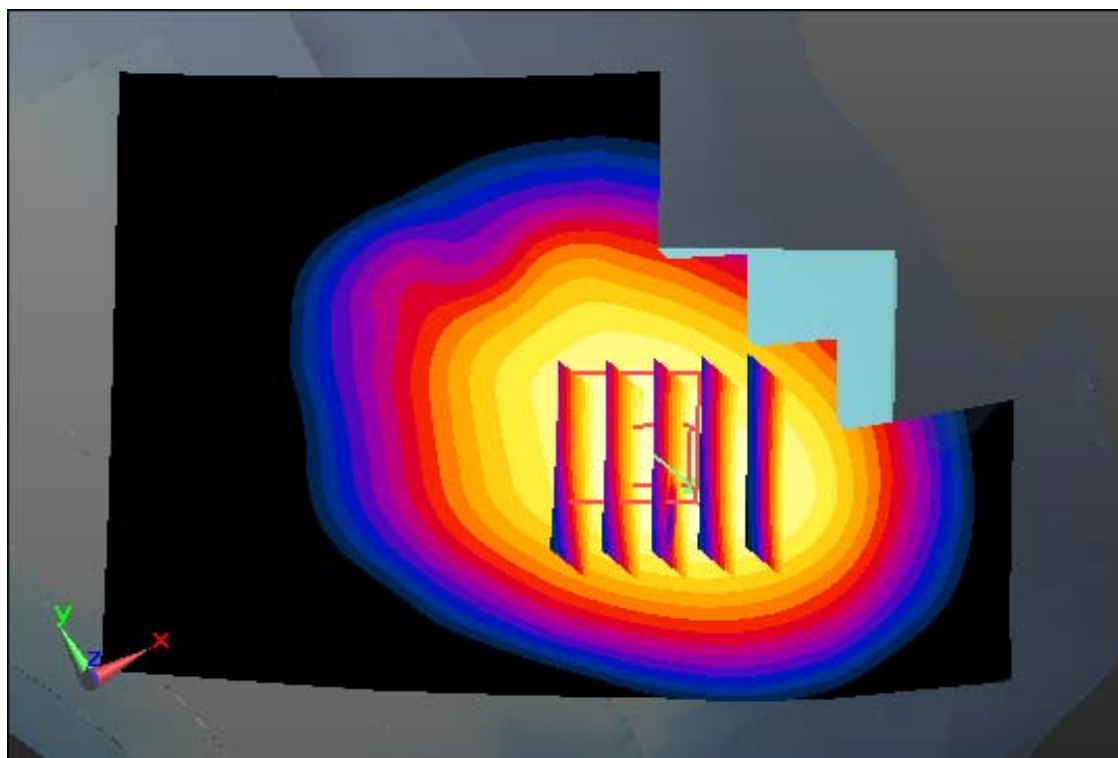
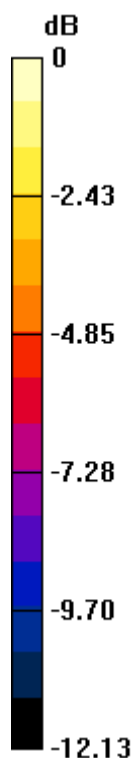
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.224 W/kg



0 dB = 0.373 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

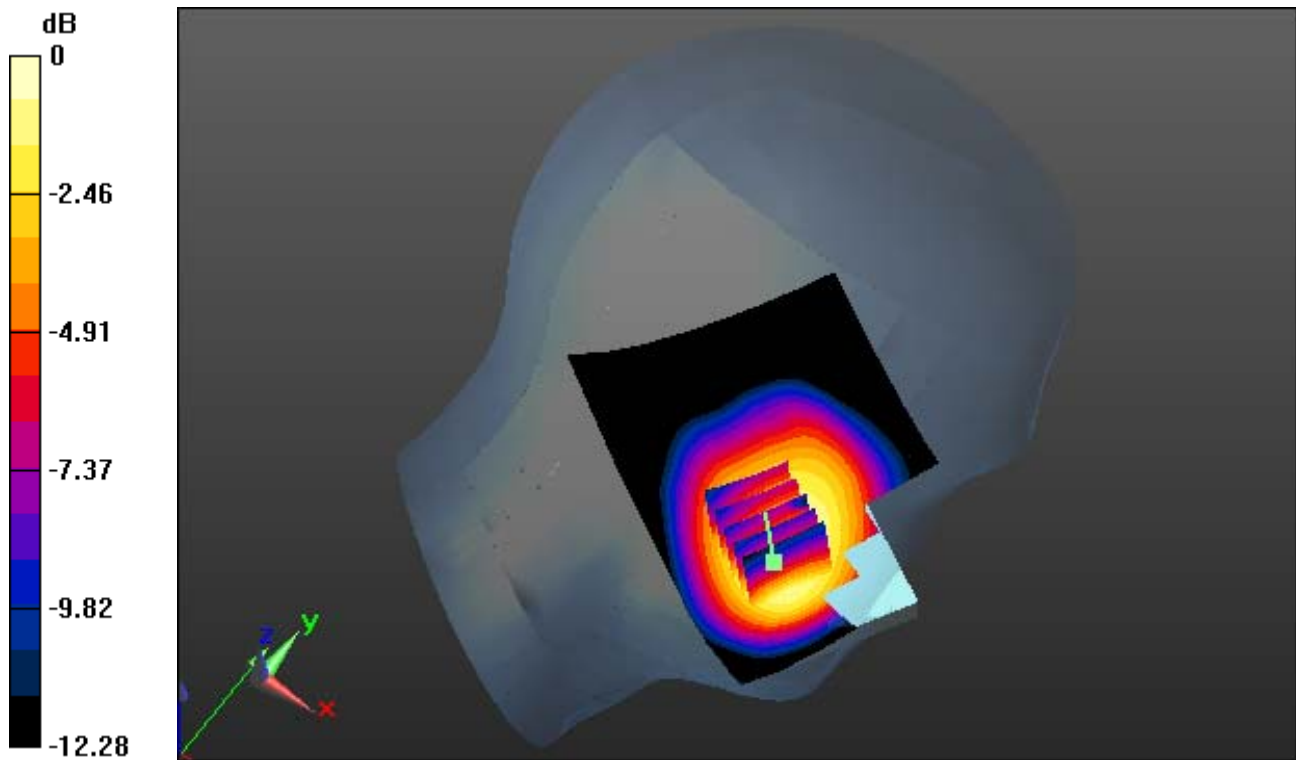
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.267 W/kg



0 dB = 0.441 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

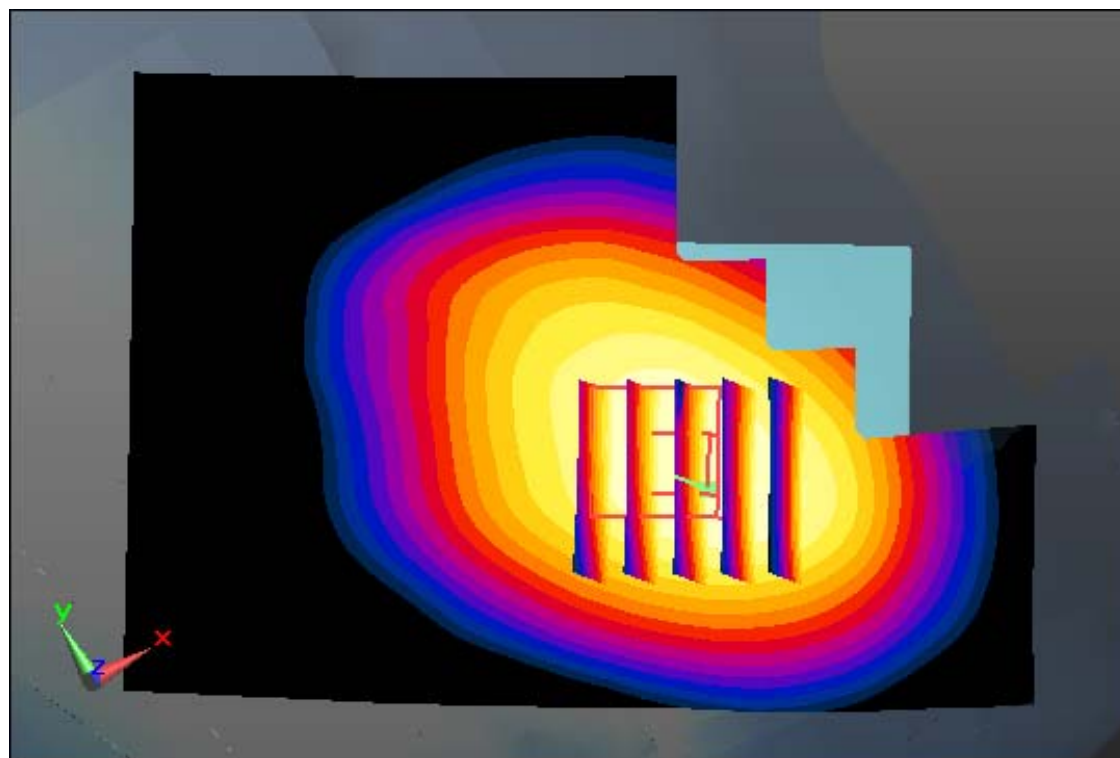
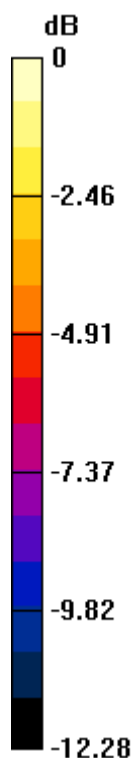
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.267 W/kg



0 dB = 0.441 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

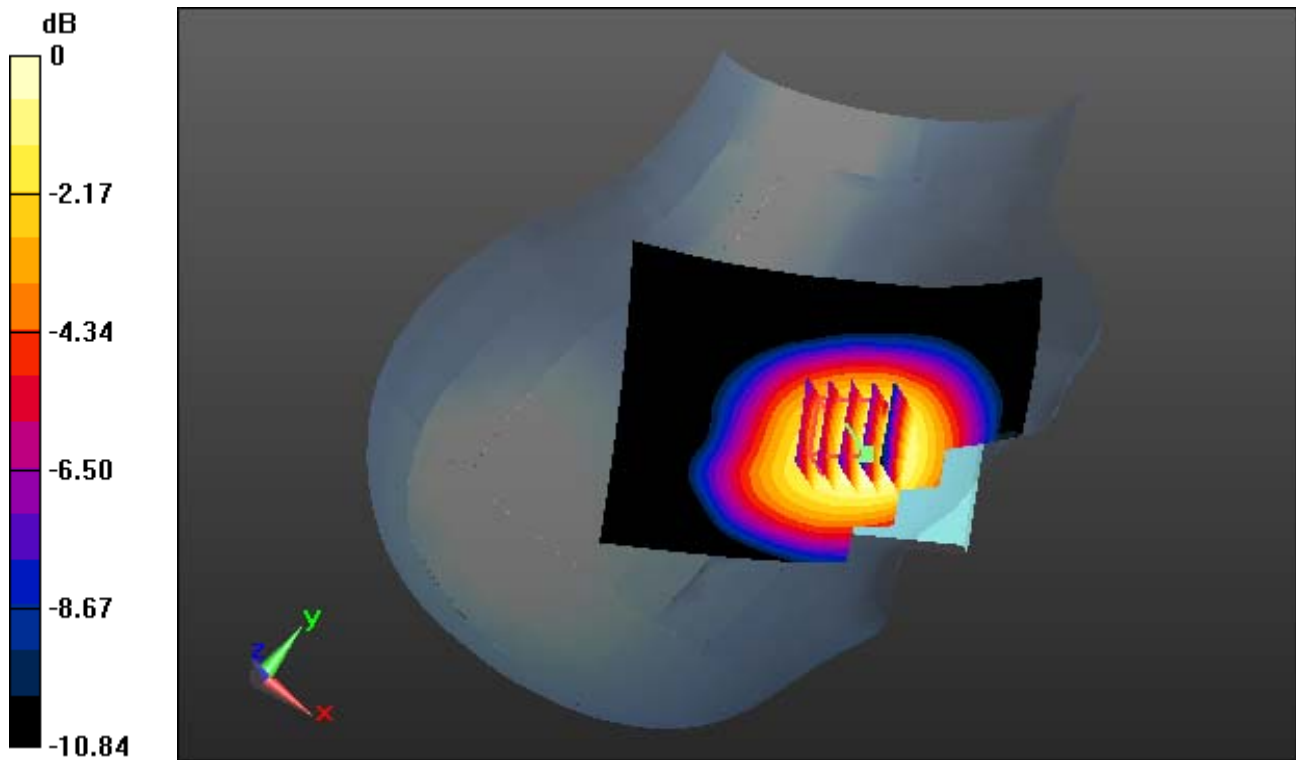
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.259 W/kg



0 dB = 0.395 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

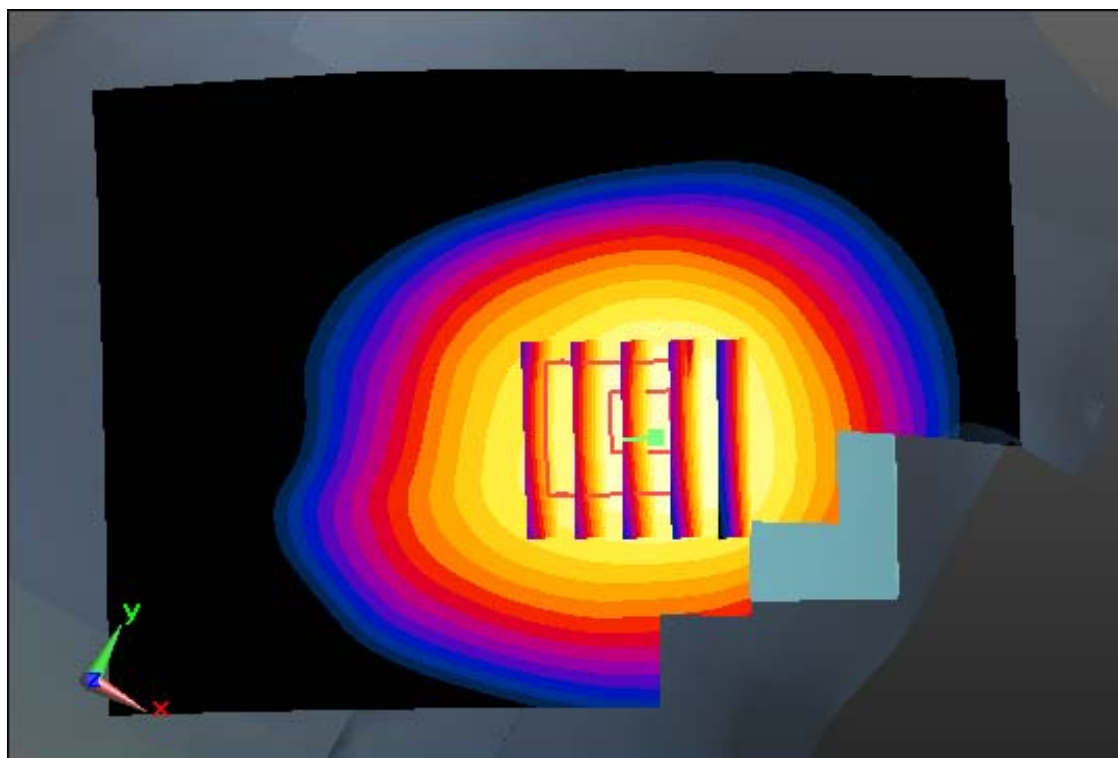
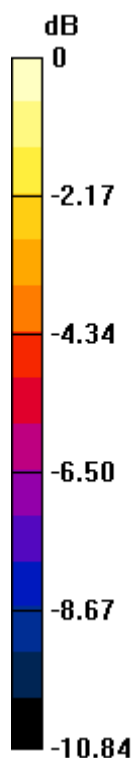
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.259 W/kg



0 dB = 0.395 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 40.136$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

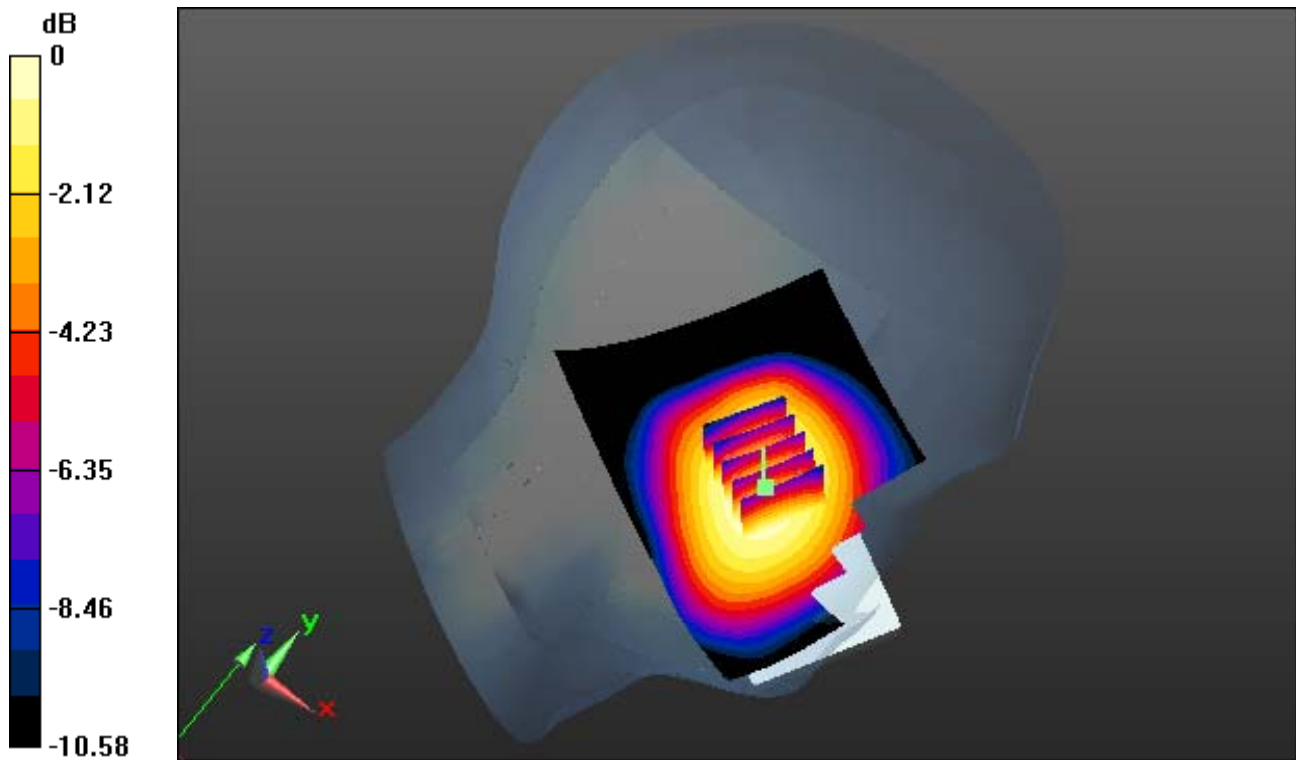
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.166 W/kg



0 dB = 0.257 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

With Enlarge plot image

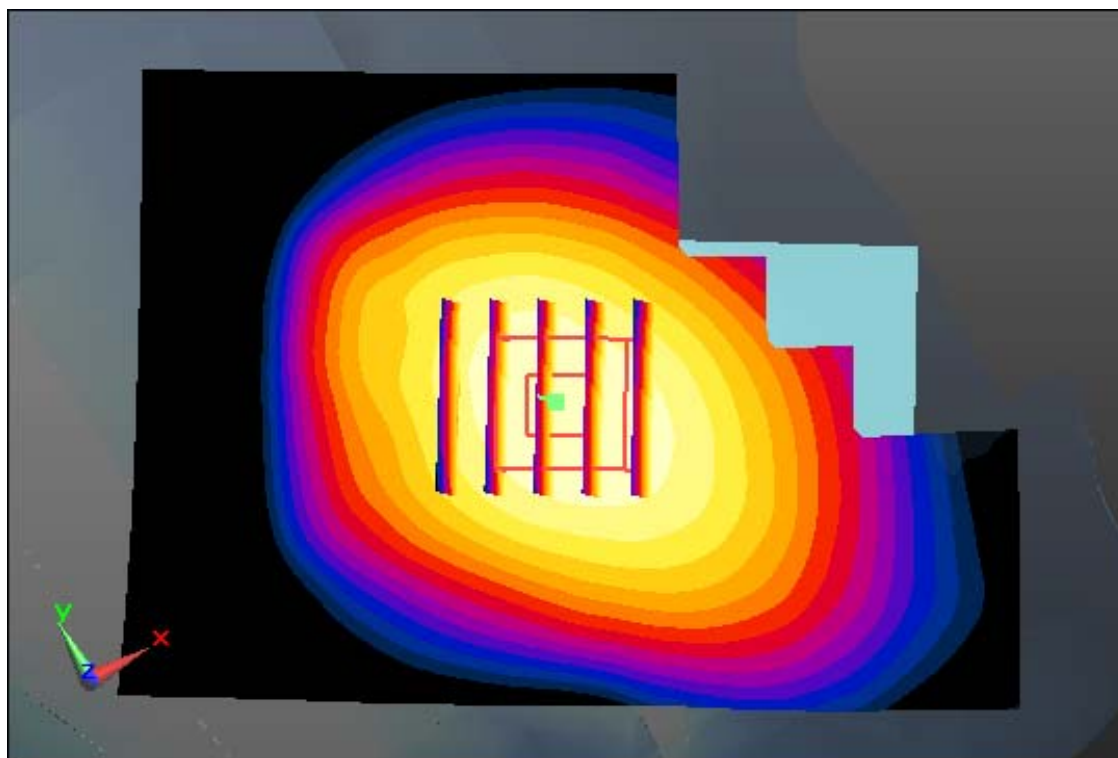
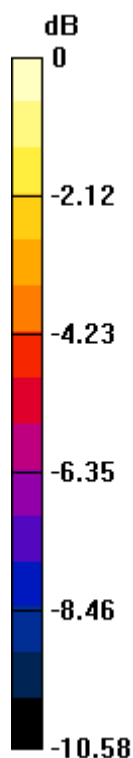
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.166 W/kg



0 dB = 0.257 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

Right Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

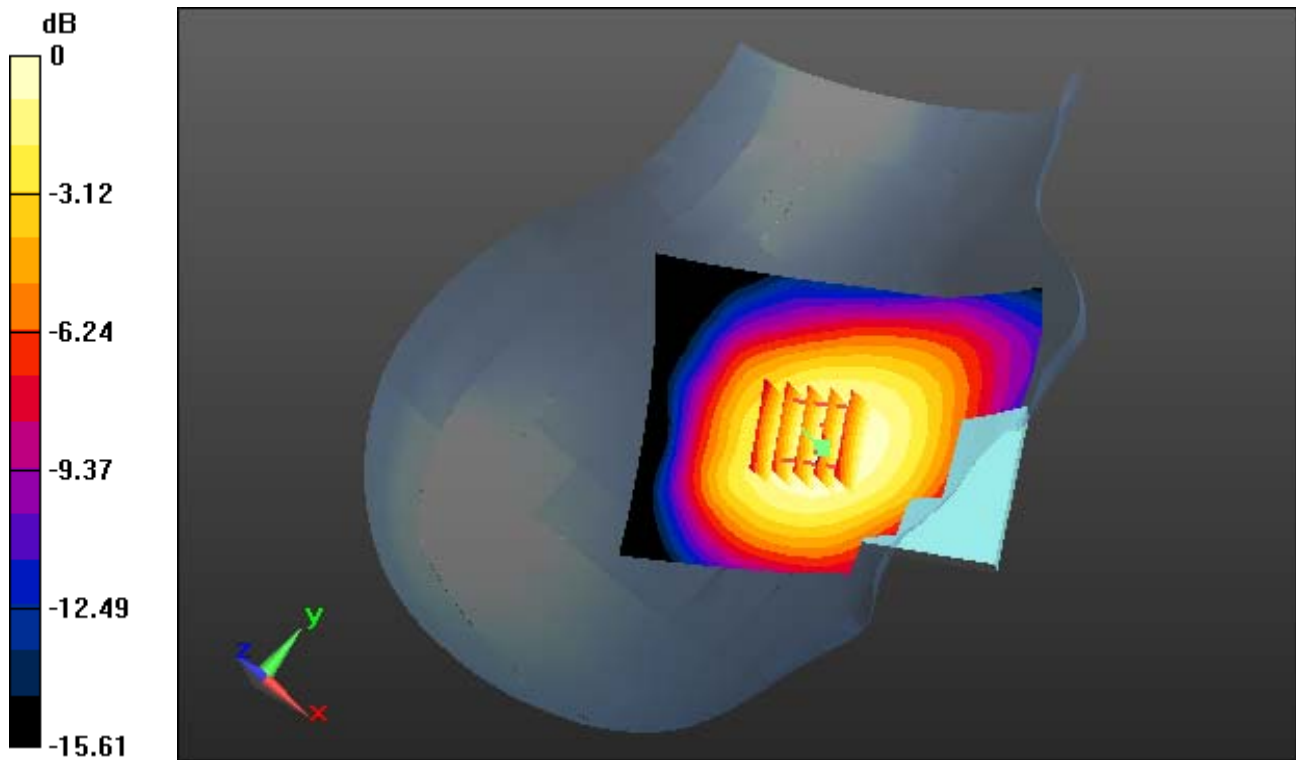
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.167 W/kg



0 dB = 0.248 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

Right Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

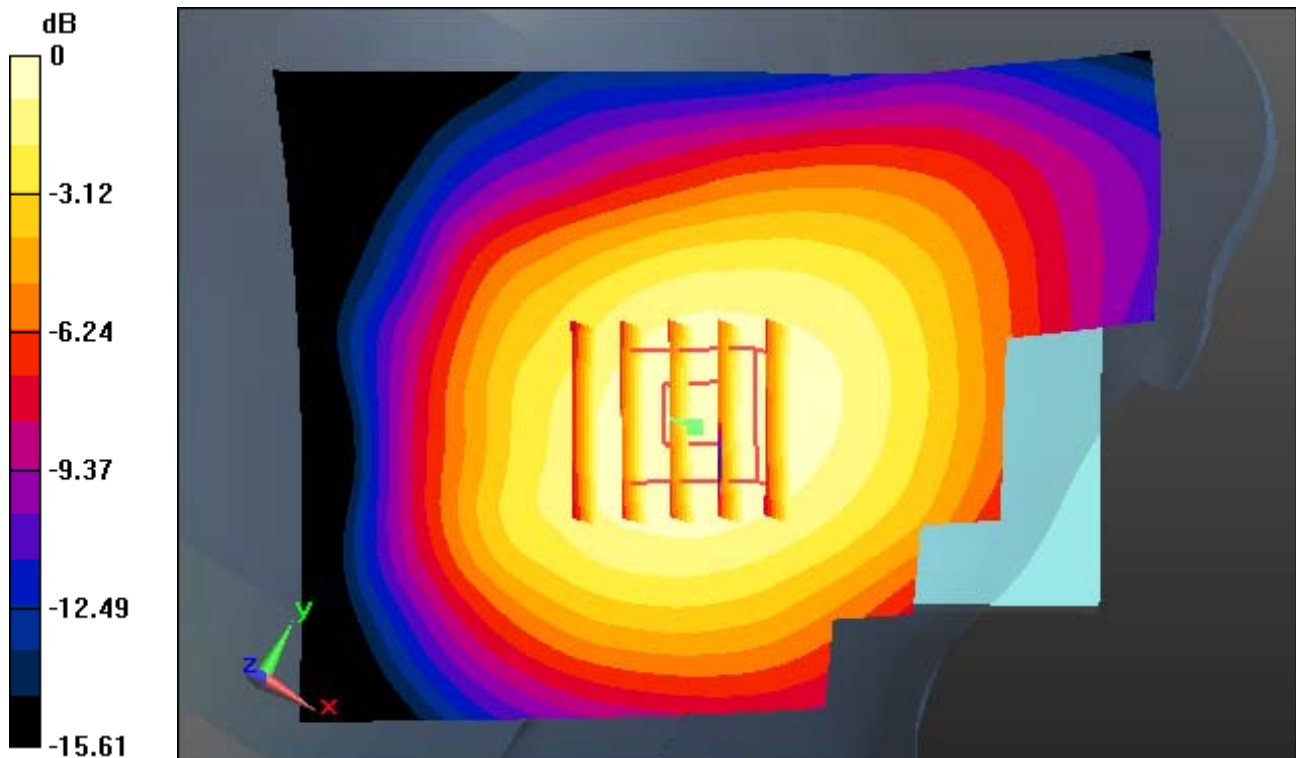
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.167 W/kg



0 dB = 0.248 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.136$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-24; Ambient Temp: 20.9; Tissue Temp: 21.5

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

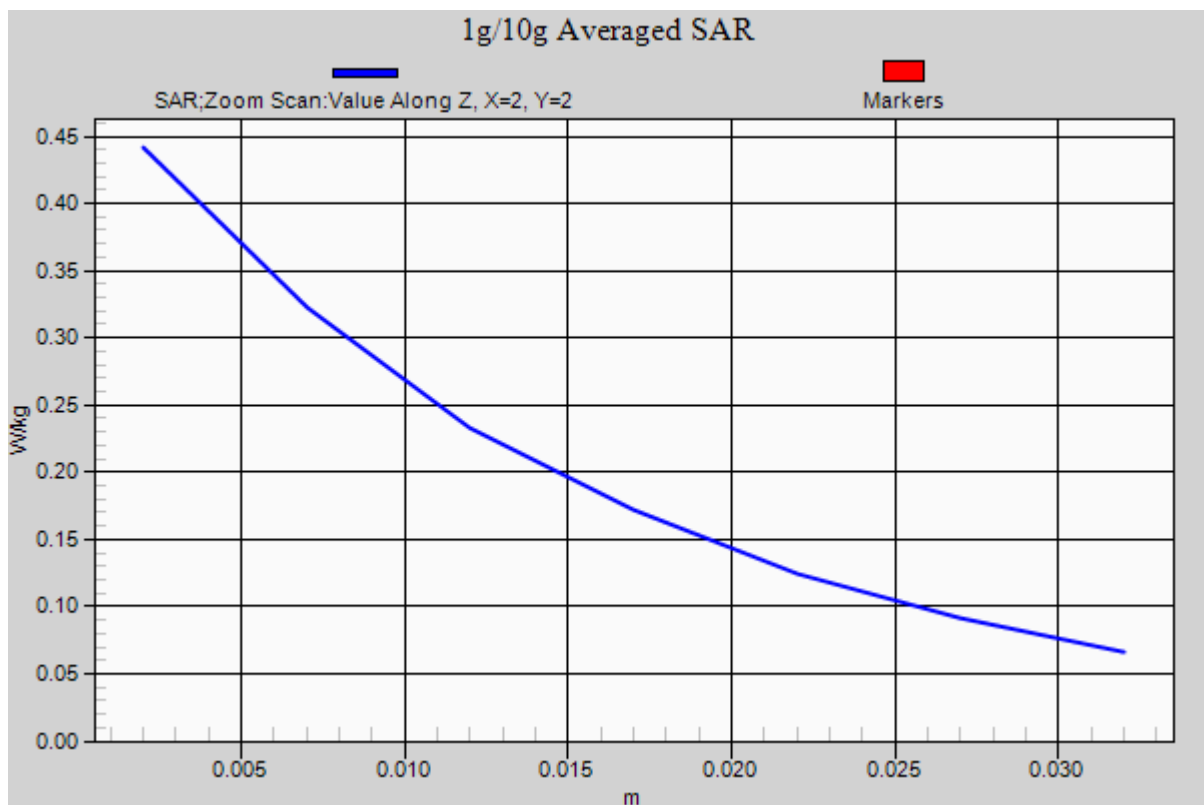
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.267 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 39.222$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

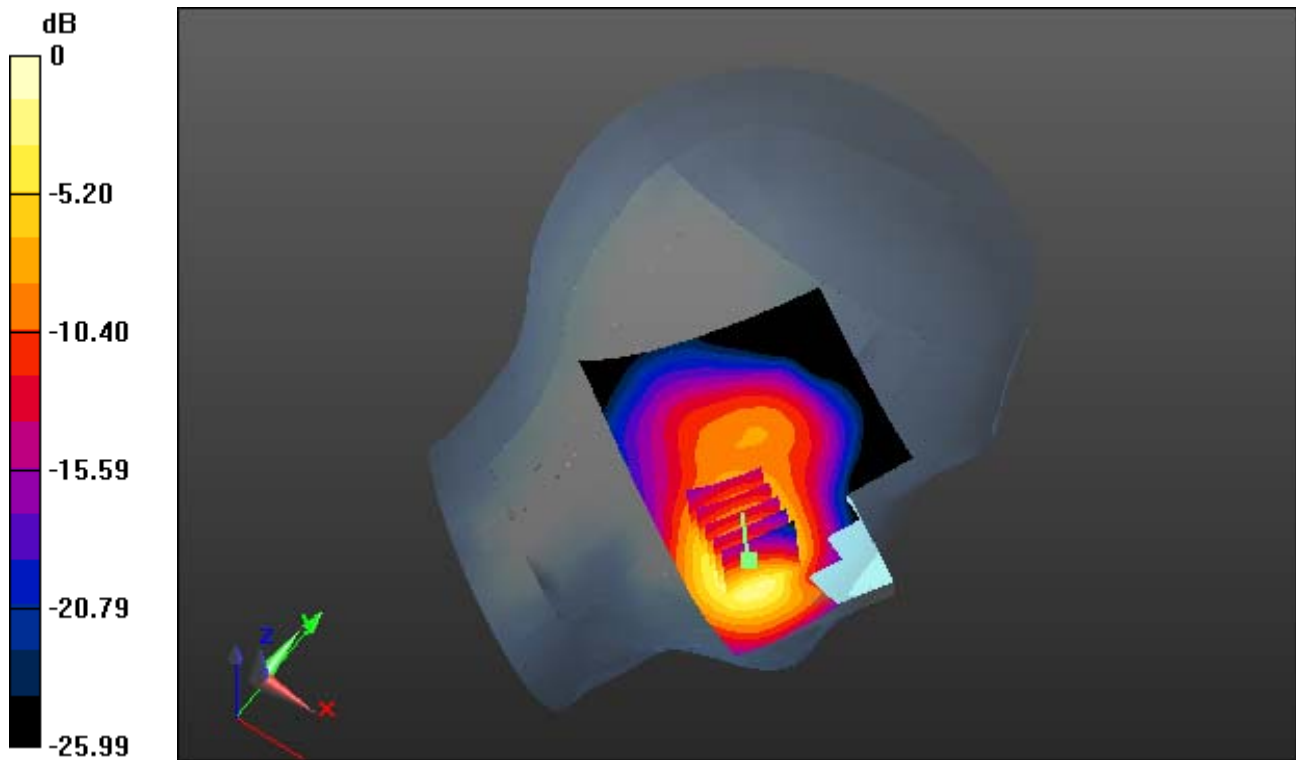
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.702 W/kg



0 dB = 1.73 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

With Enlarge plot image

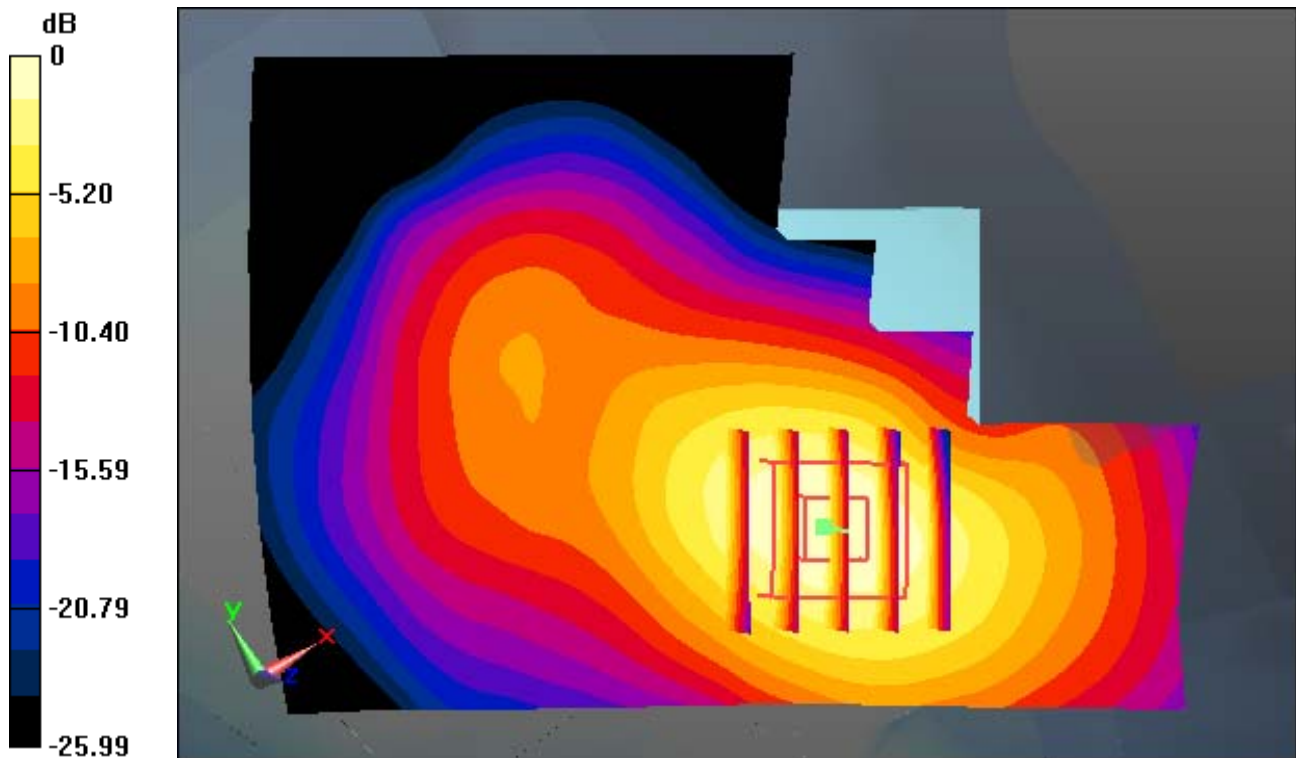
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.702 W/kg



0 dB = 1.73 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

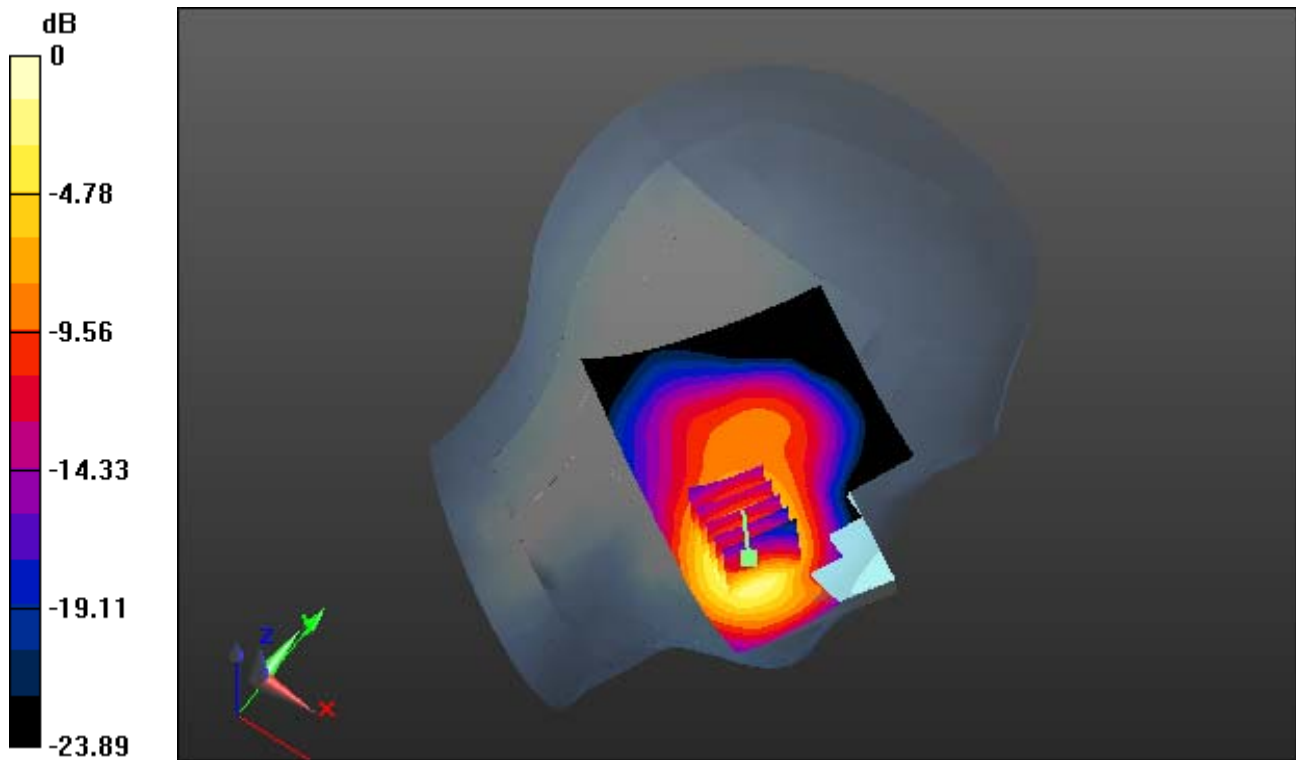
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.677 W/kg



0 dB = 1.63 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

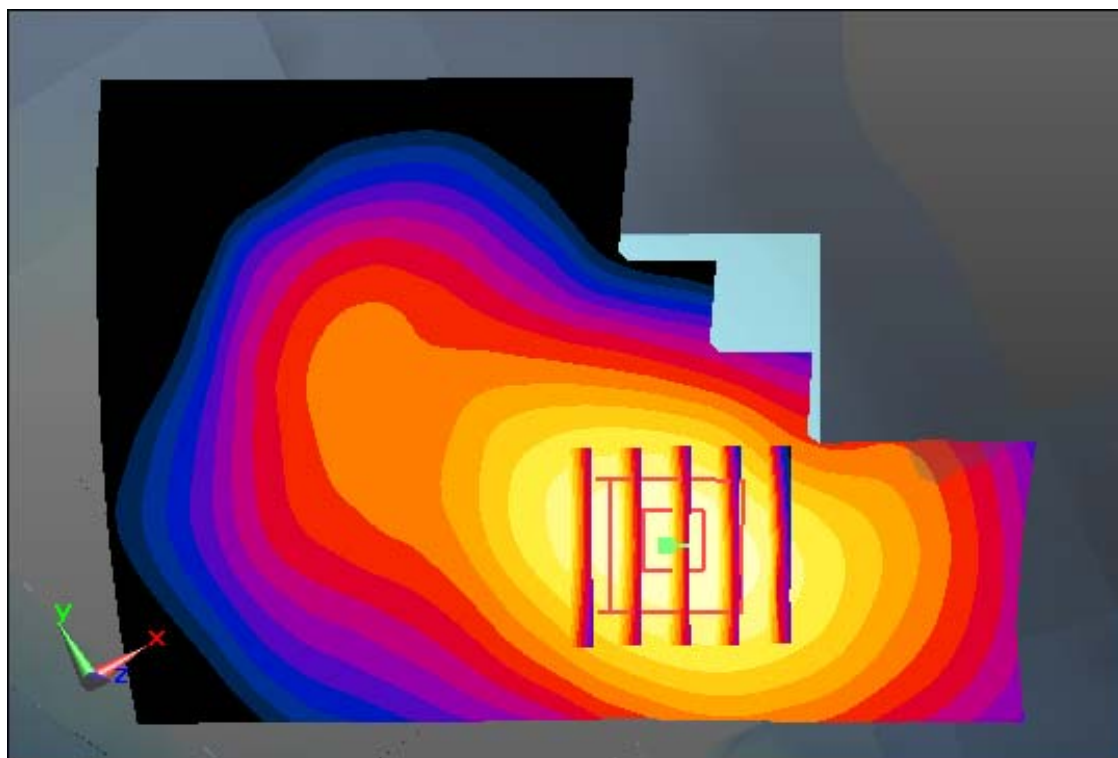
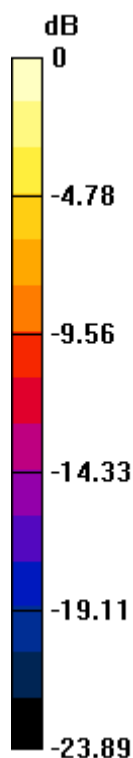
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.677 W/kg



0 dB = 1.63 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 810, Ant Internal, Standard Battery

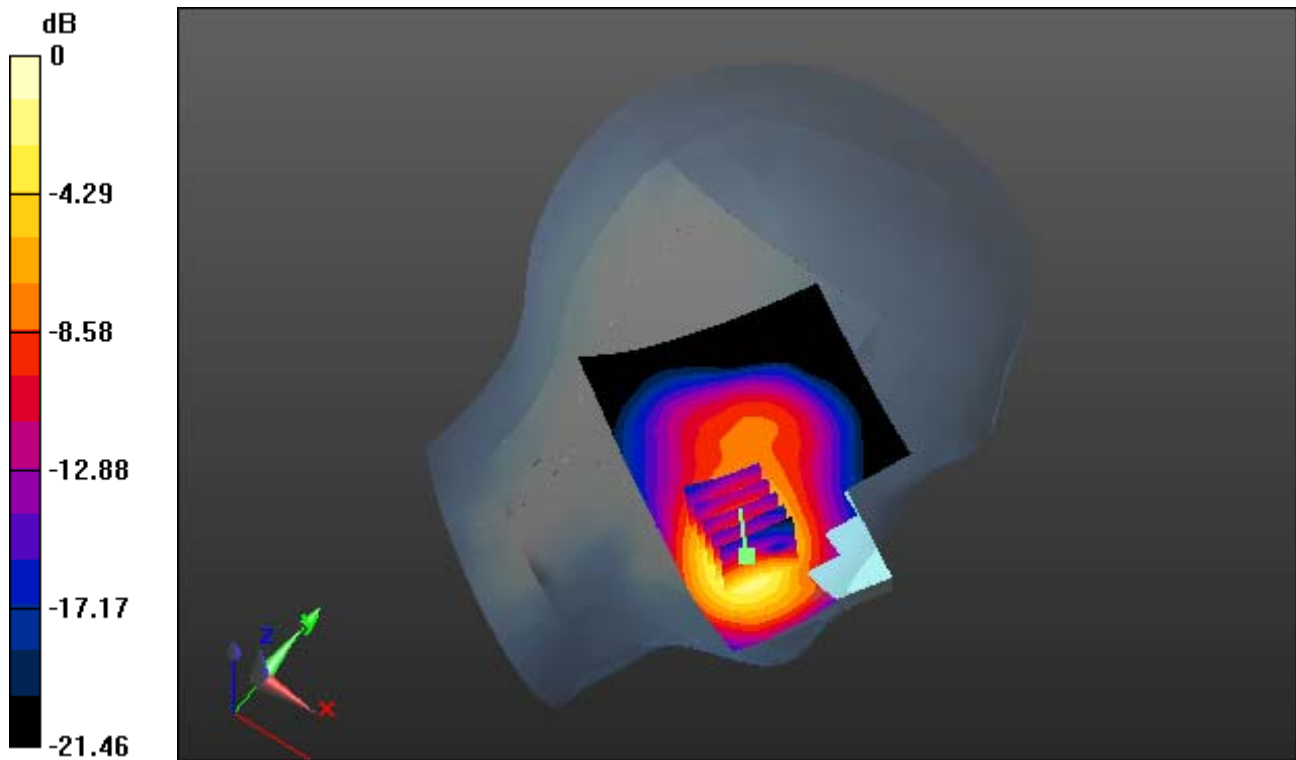
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.674 W/kg



0 dB = 1.65 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

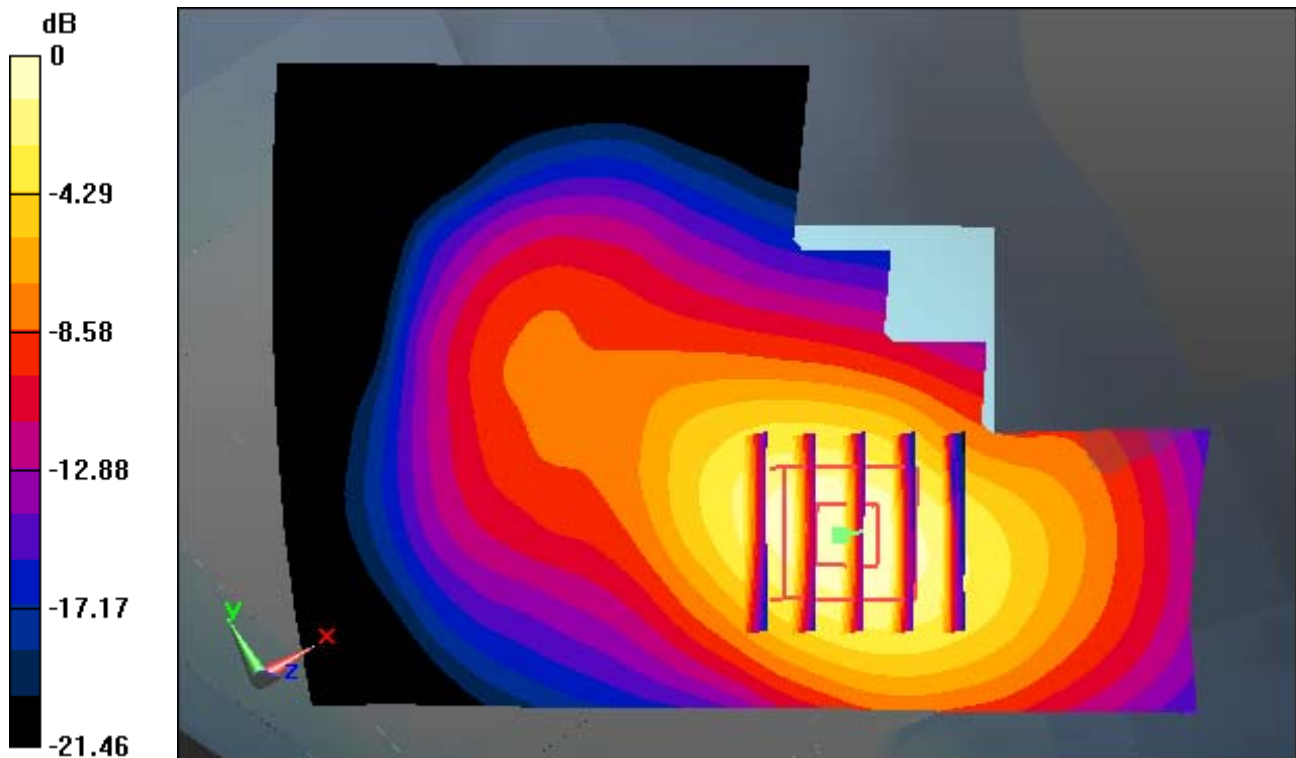
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.674 W/kg



0 dB = 1.65 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

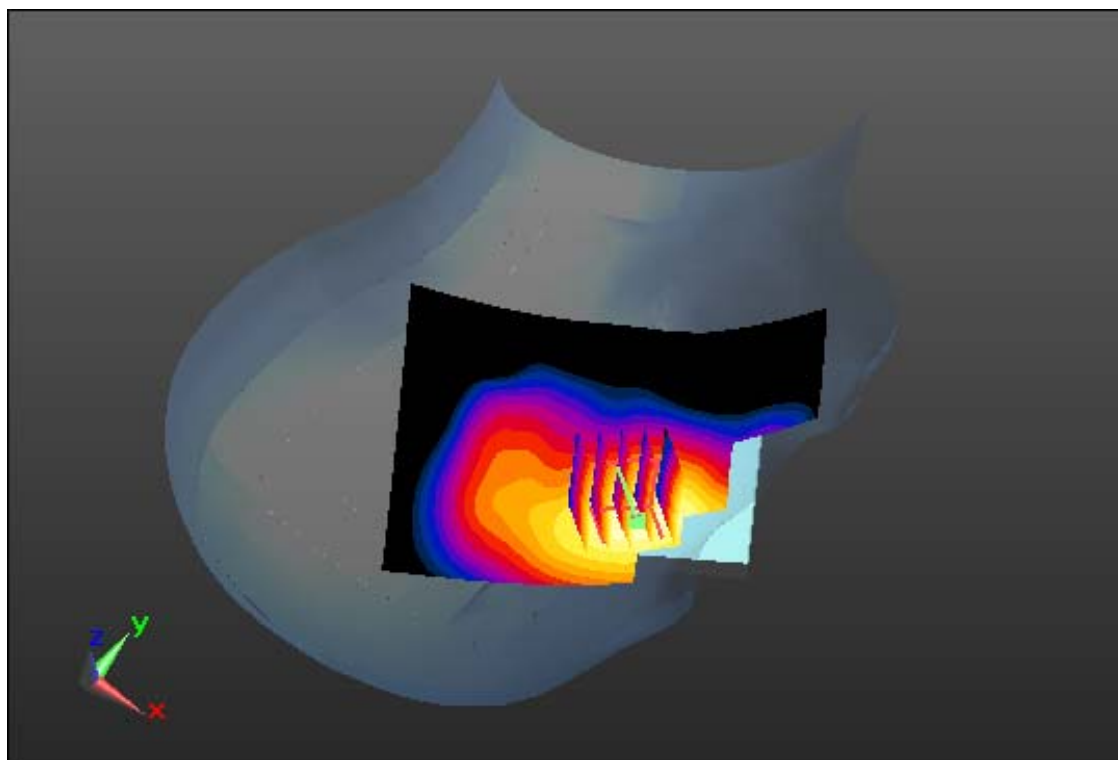
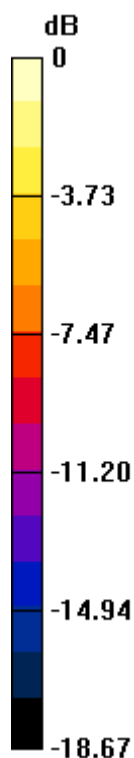
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.389 W/kg



0 dB = 0.841 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

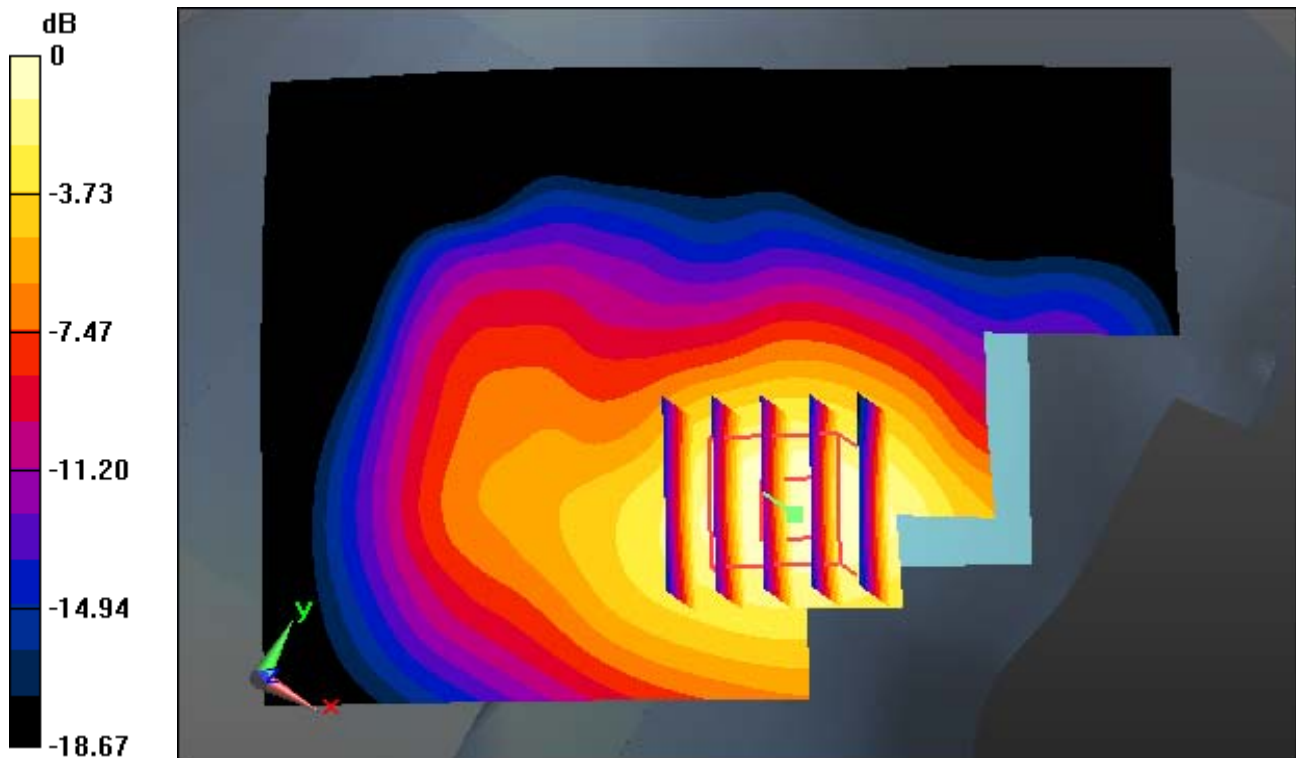
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.389 W/kg



0 dB = 0.841 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

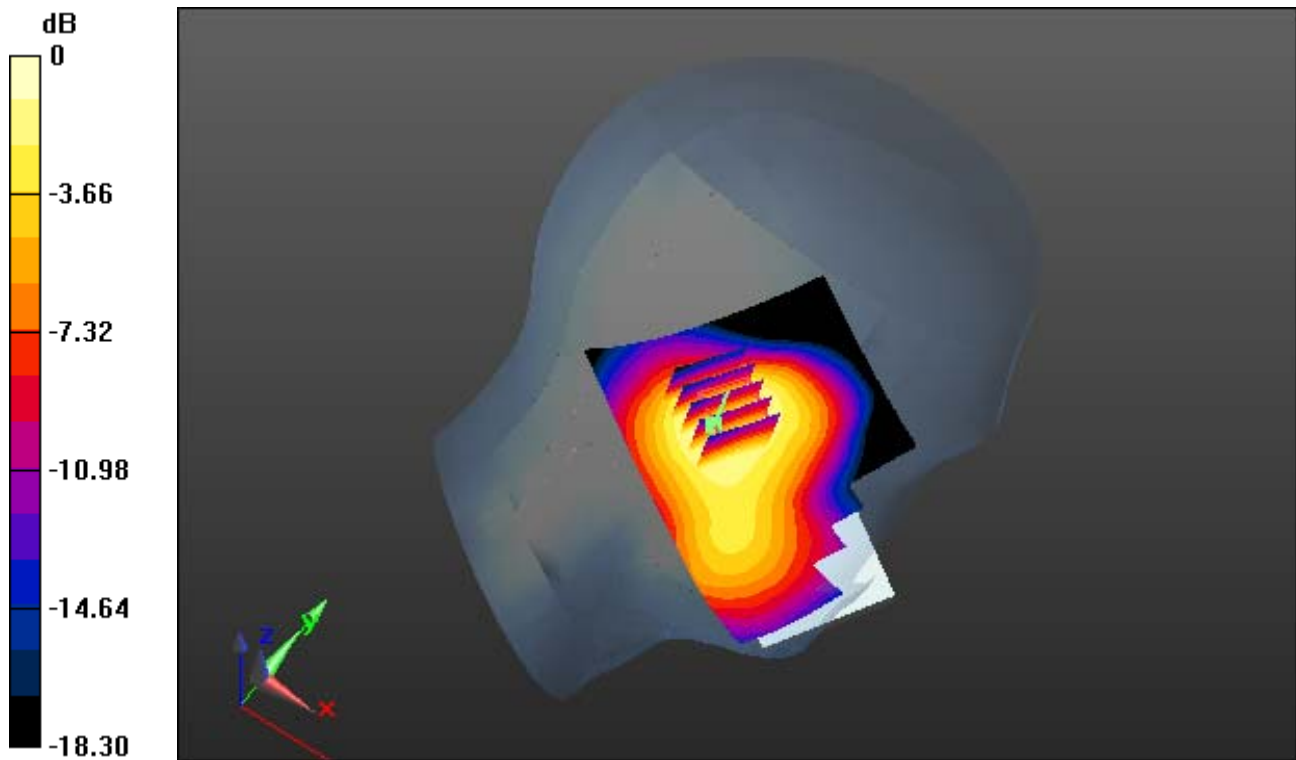
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.177 W/kg



0 dB = 0.371 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

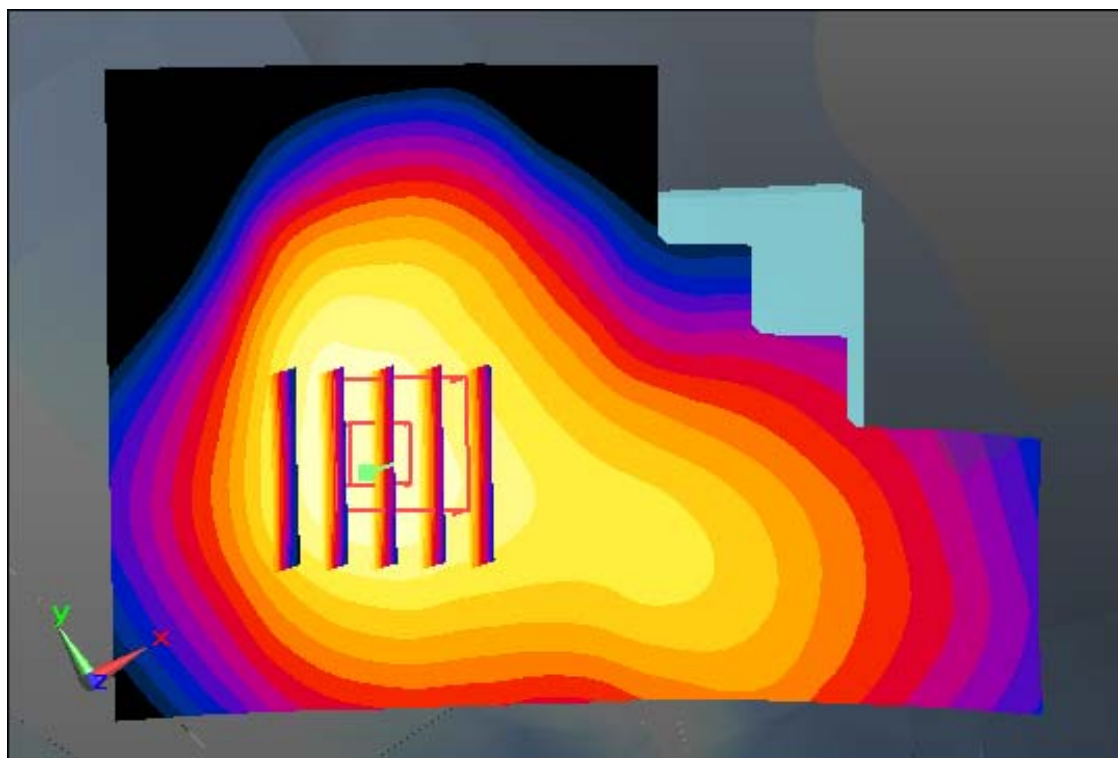
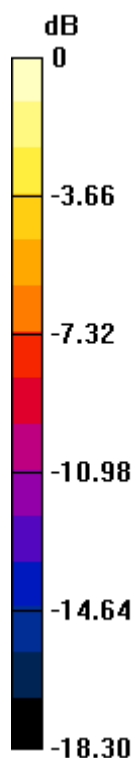
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.177 W/kg



0 dB = 0.371 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

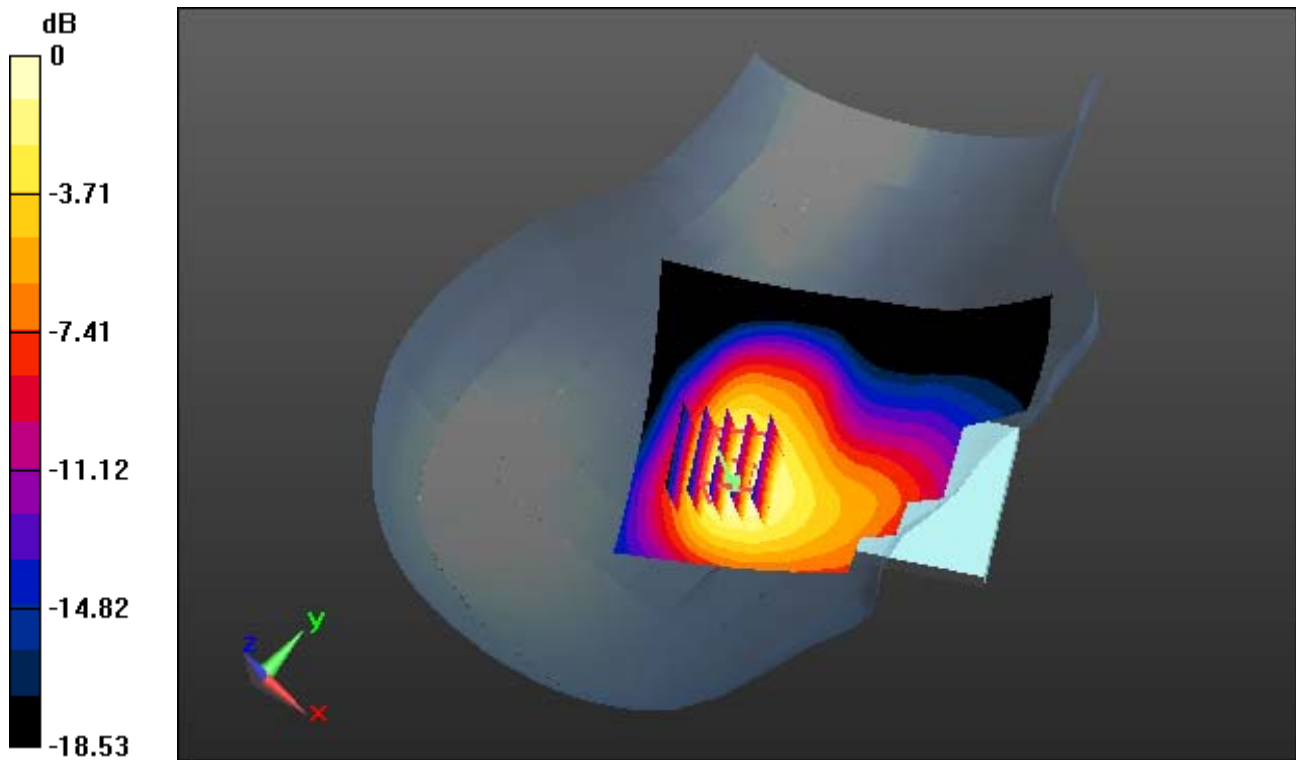
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.195 W/kg



0 dB = 0.425 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

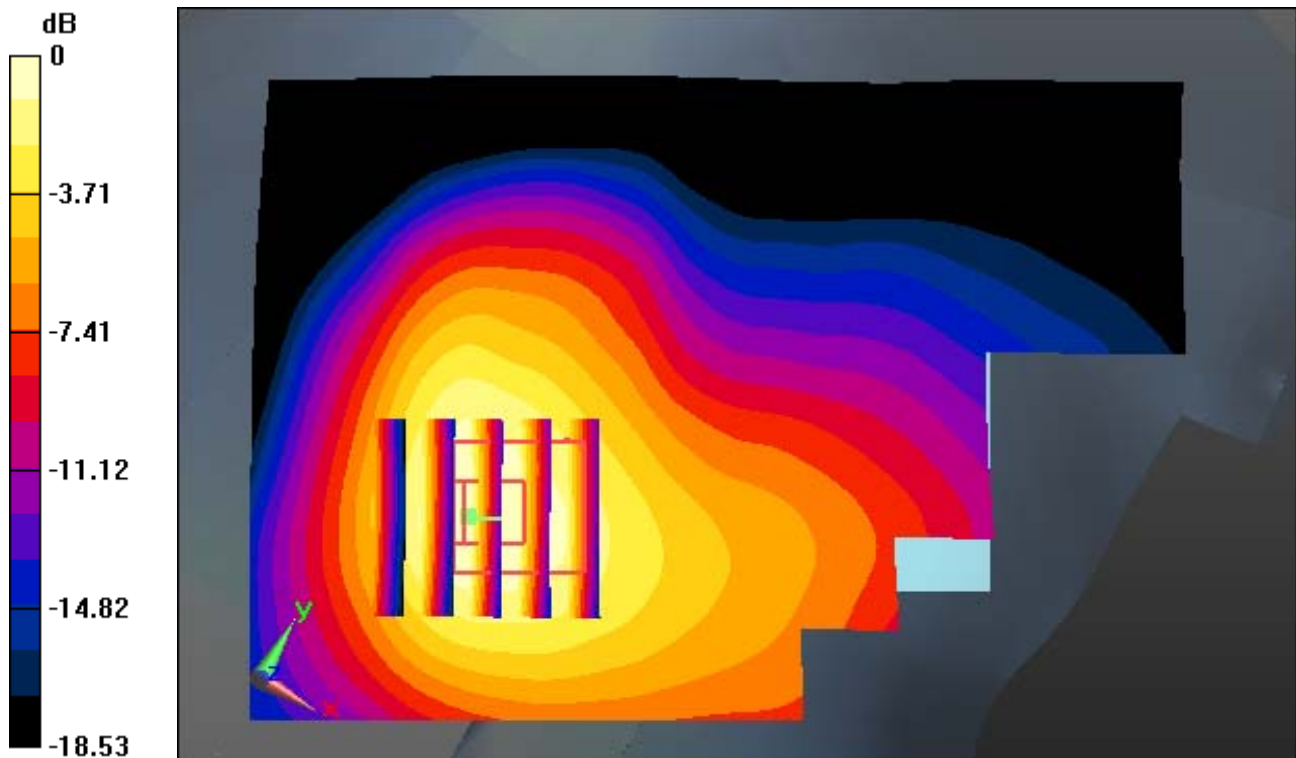
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.195 W/kg



0 dB = 0.425 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 39.222$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

SAR Variability Result.

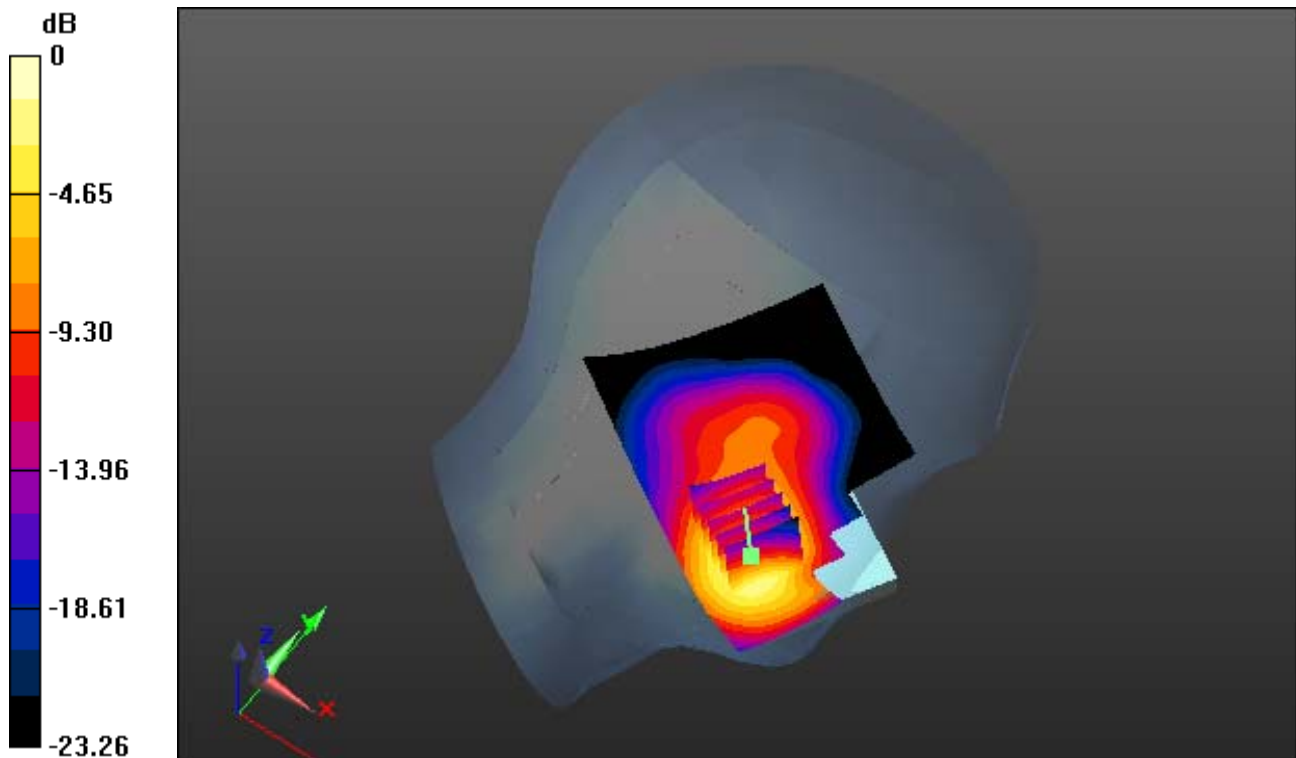
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.696 W/kg



0 dB = 1.68 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

SAR Variability Result, With Enlarge plot image

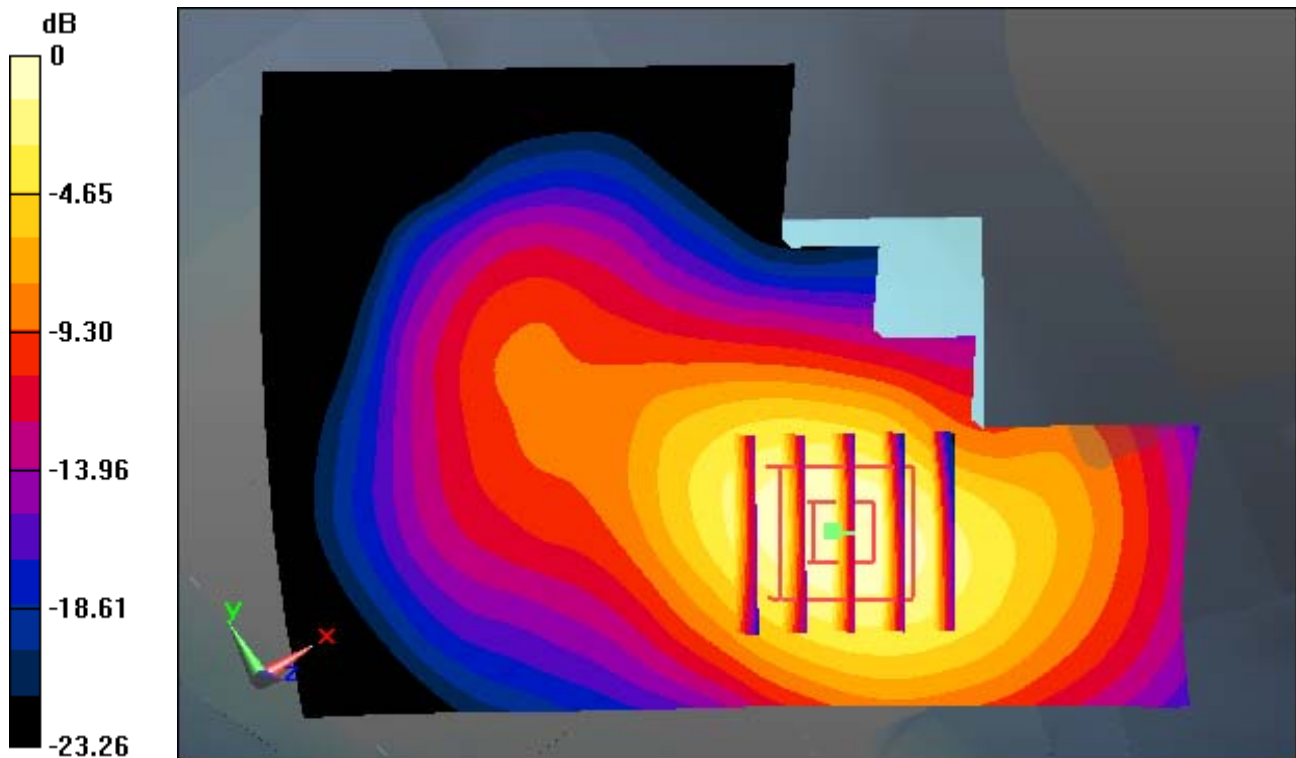
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.696 W/kg



0 dB = 1.68 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

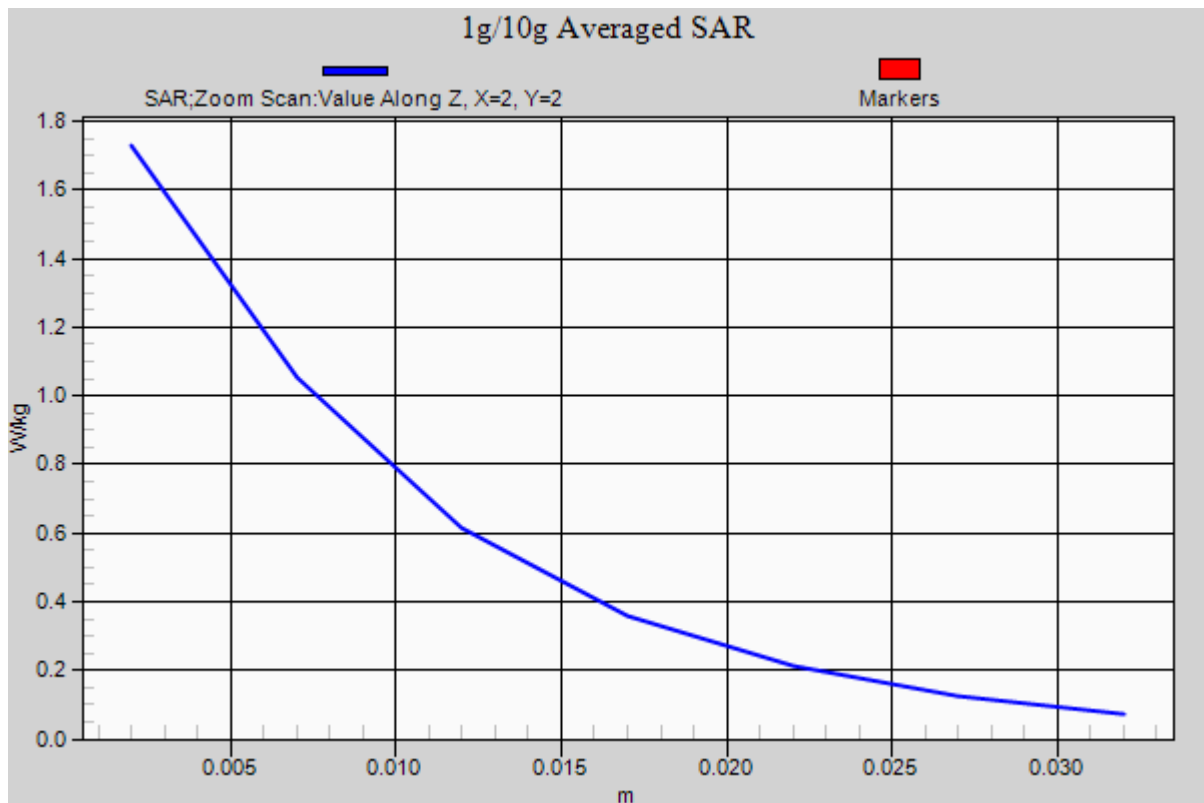
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.702 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.379 \text{ S/m}$; $\epsilon_r = 40.329$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.0

Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery

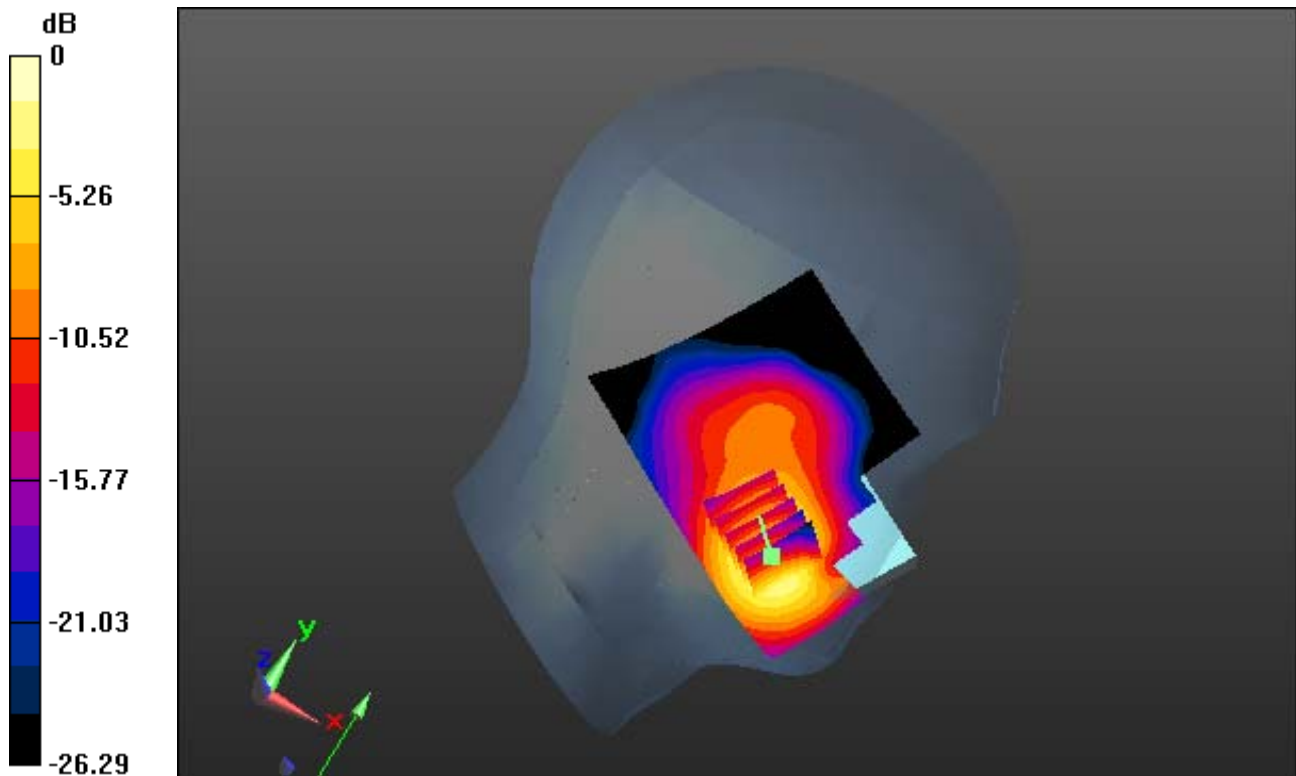
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.697 W/kg



0 dB = 1.77 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.379 \text{ S/m}$; $\epsilon_r = 40.329$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.0

Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery

With Enlarge plot image

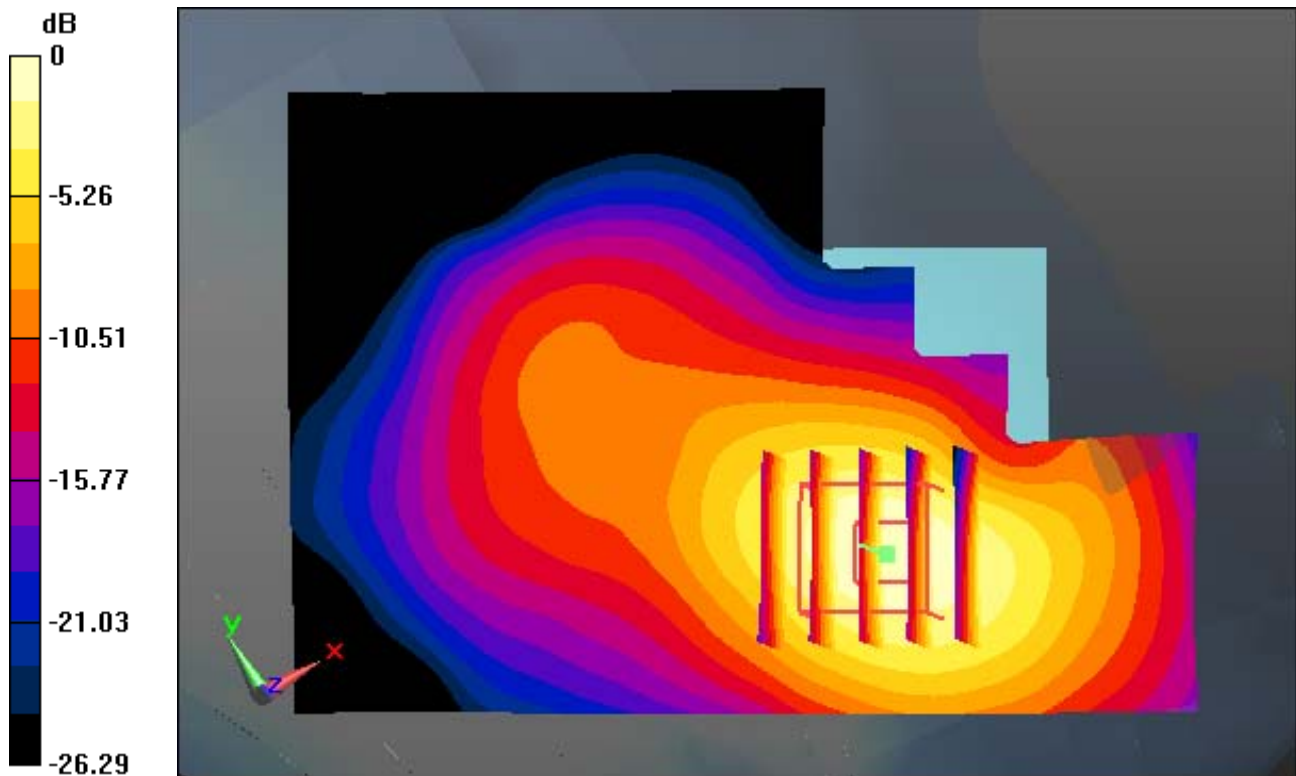
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.697 W/kg



0 dB = 1.77 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

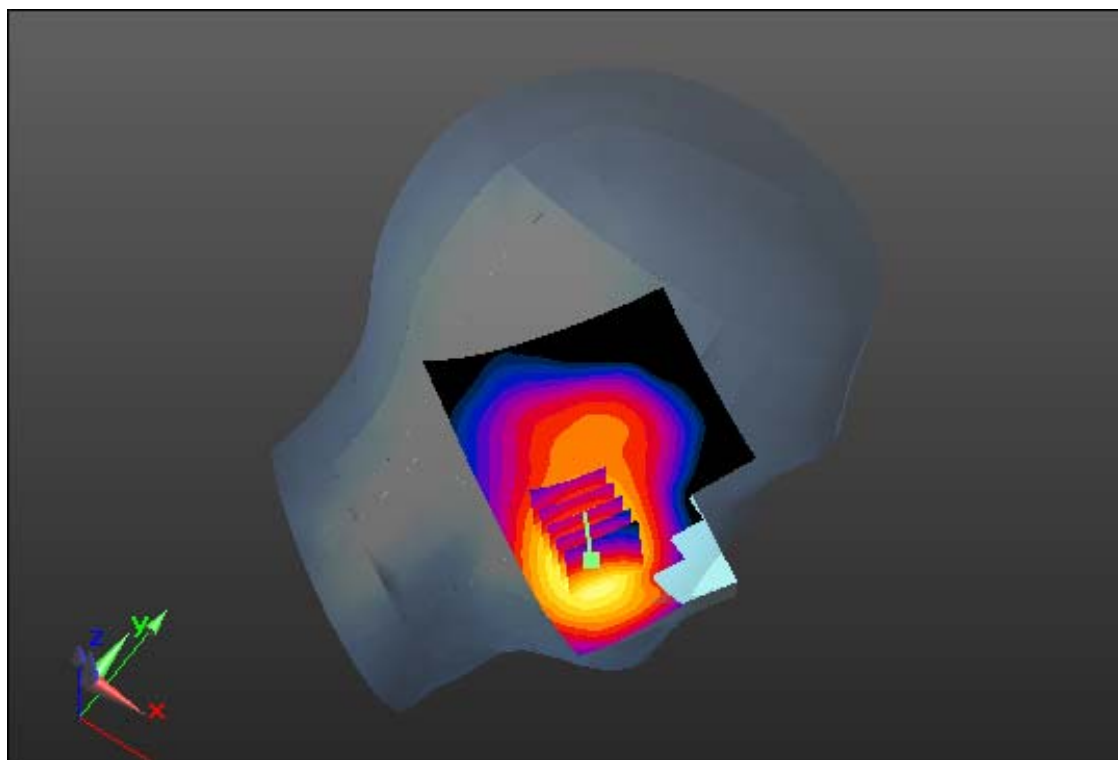
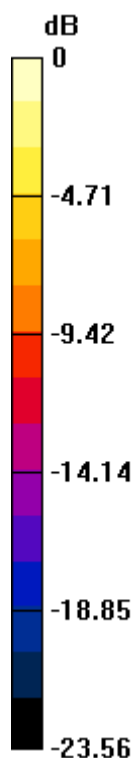
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.680 W/kg



0 dB = 1.67 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

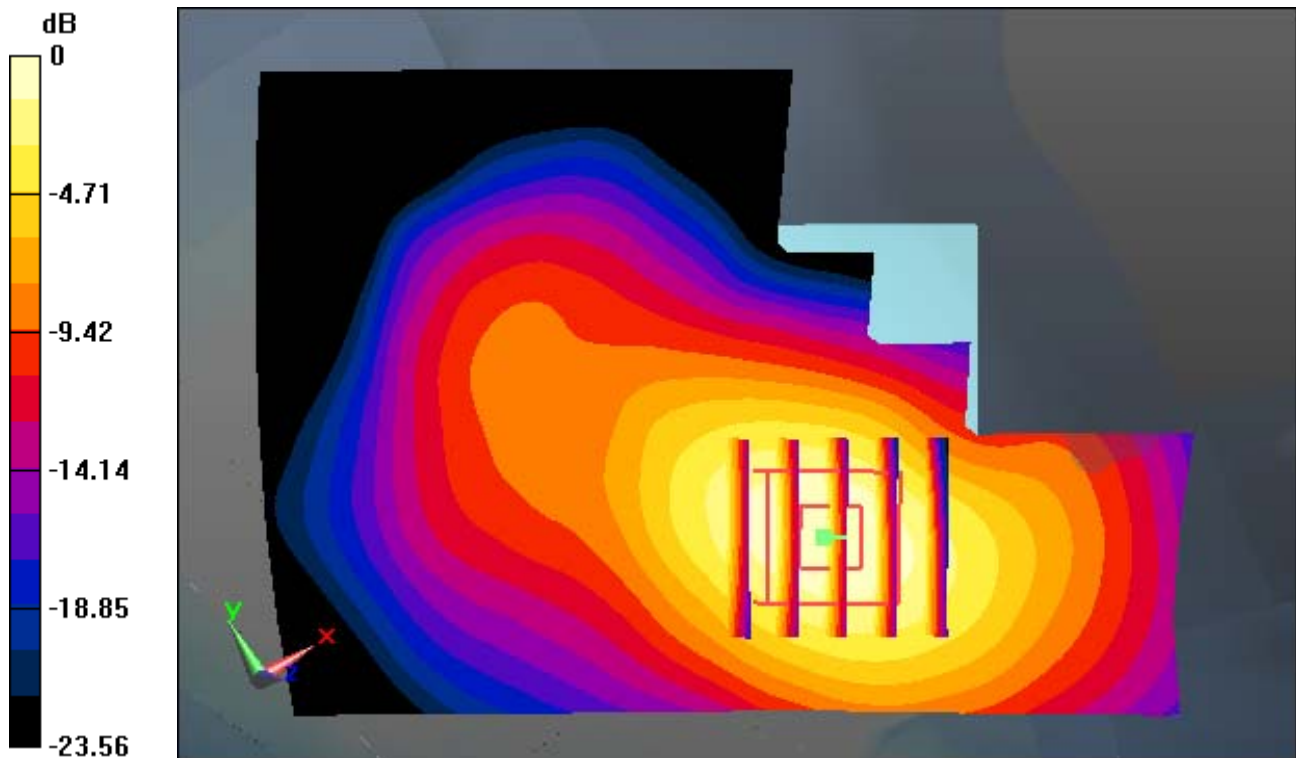
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.680 W/kg



0 dB = 1.67 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal, Standard Battery

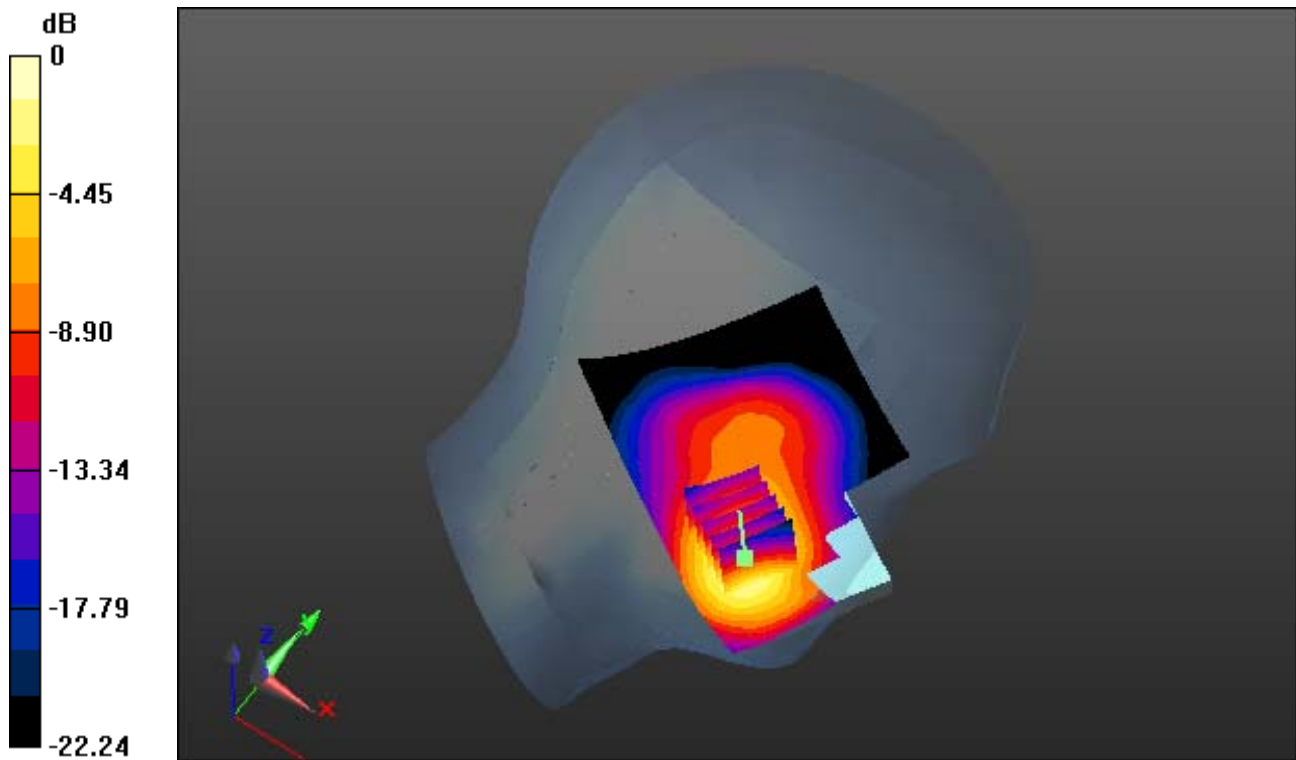
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.676 W/kg



0 dB = 1.65 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

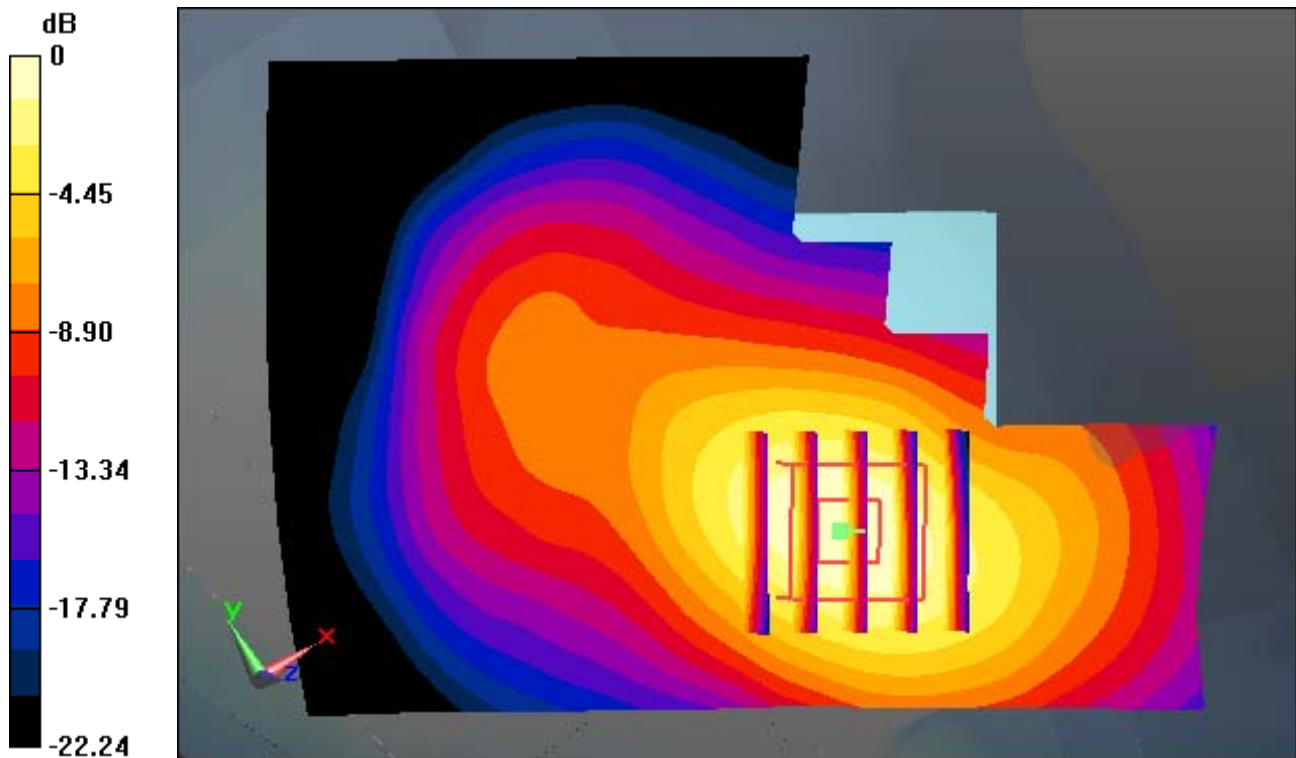
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.676 W/kg



0 dB = 1.65 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal, Standard Battery

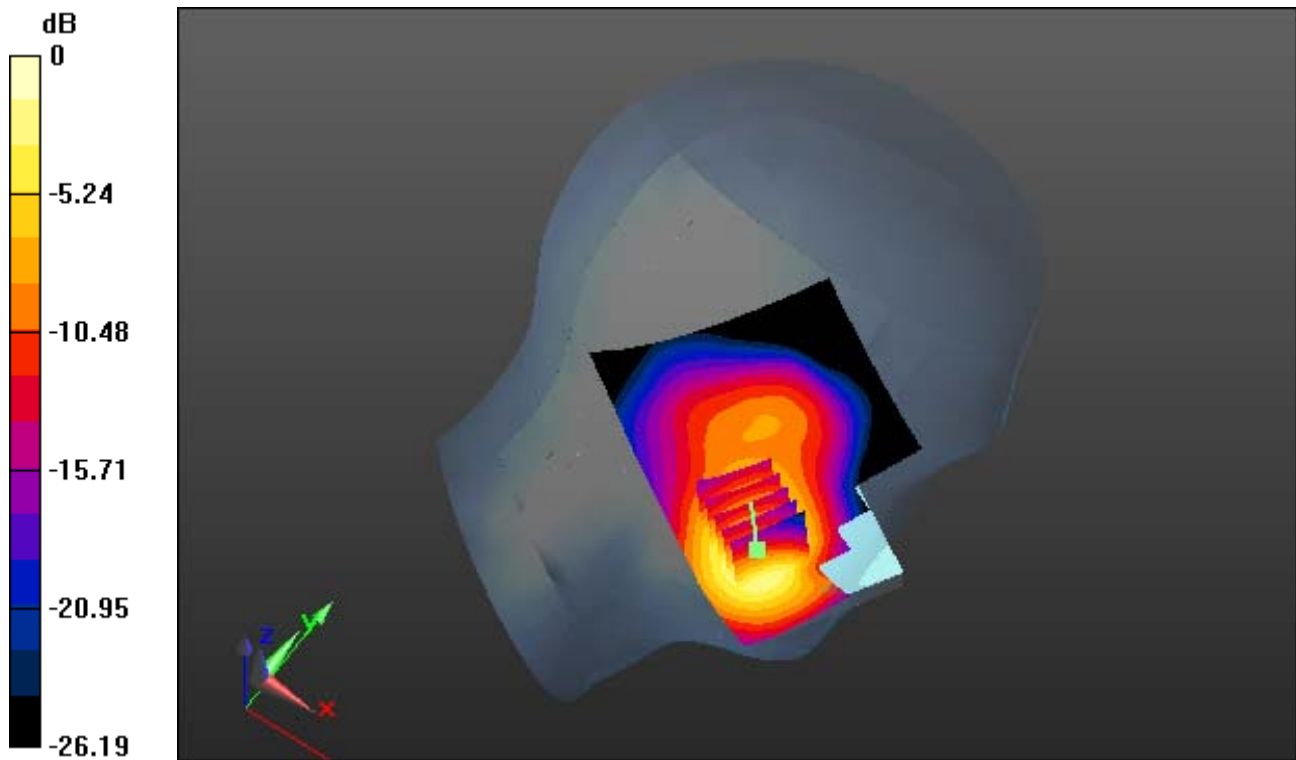
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.624 W/kg



0 dB = 1.52 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal, Standard Battery

With Enlarge plot image

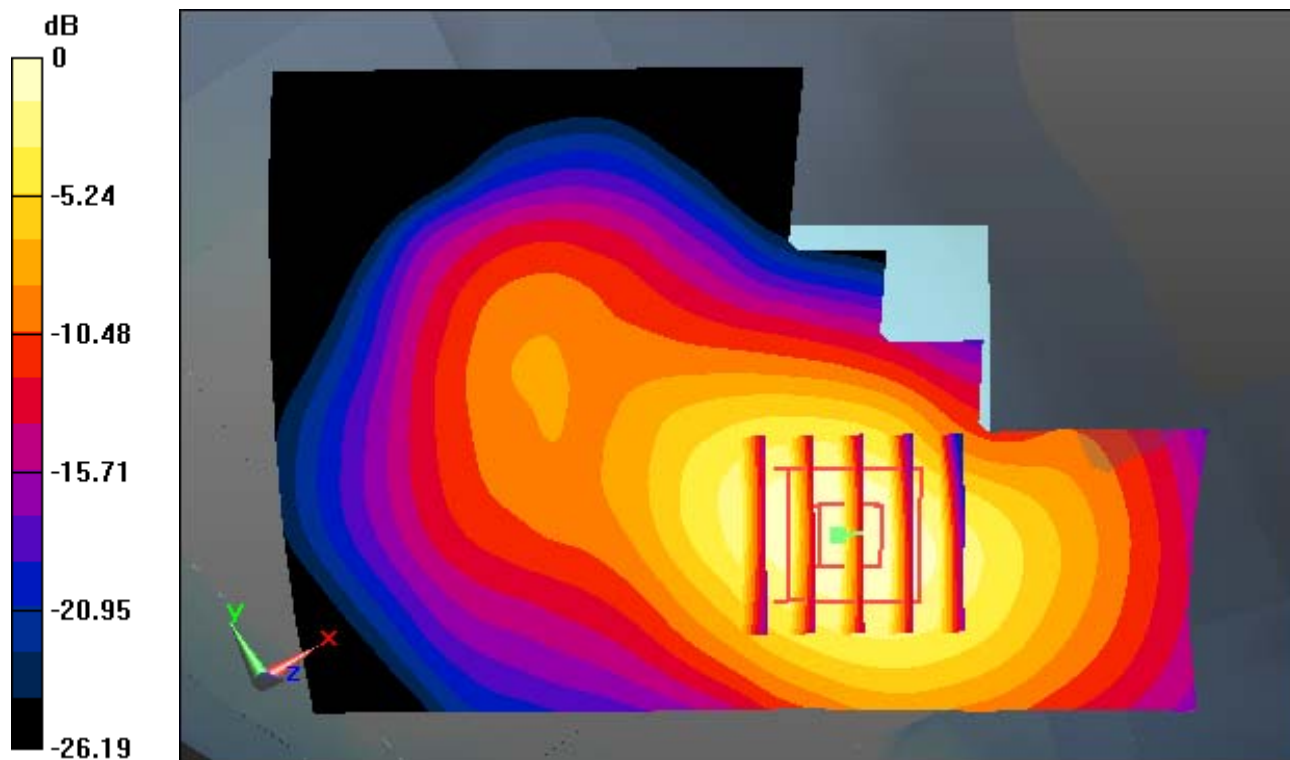
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.624 W/kg



0 dB = 1.52 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

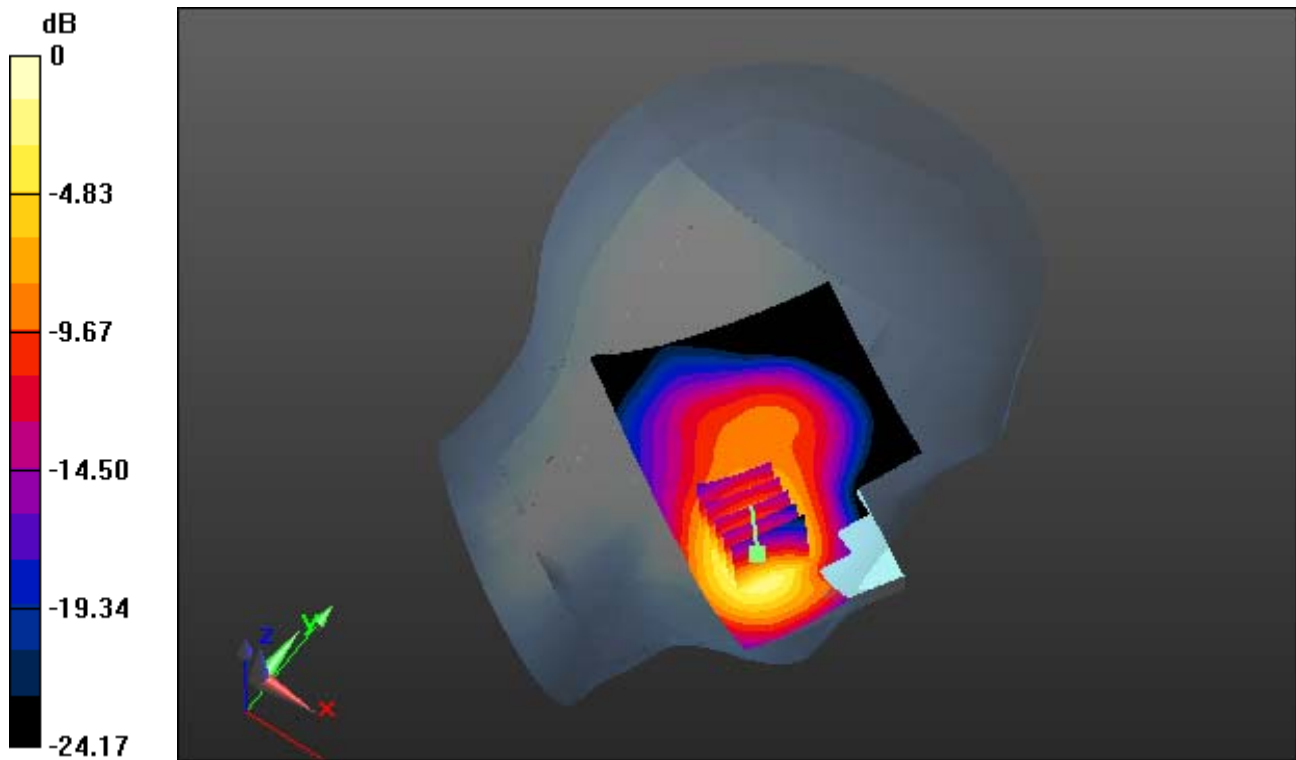
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.583 W/kg



0 dB = 1.43 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

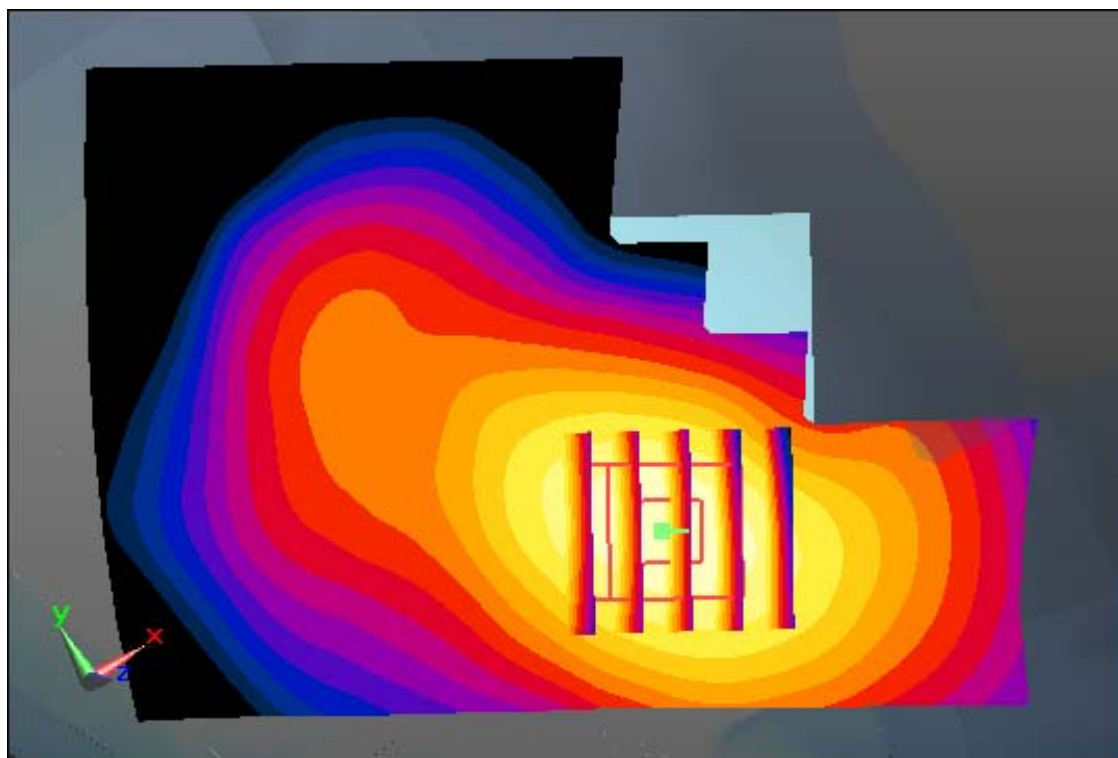
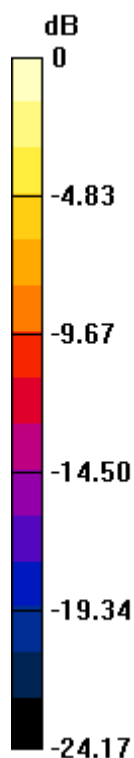
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.583 W/kg



0 dB = 1.43 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal, Standard Battery

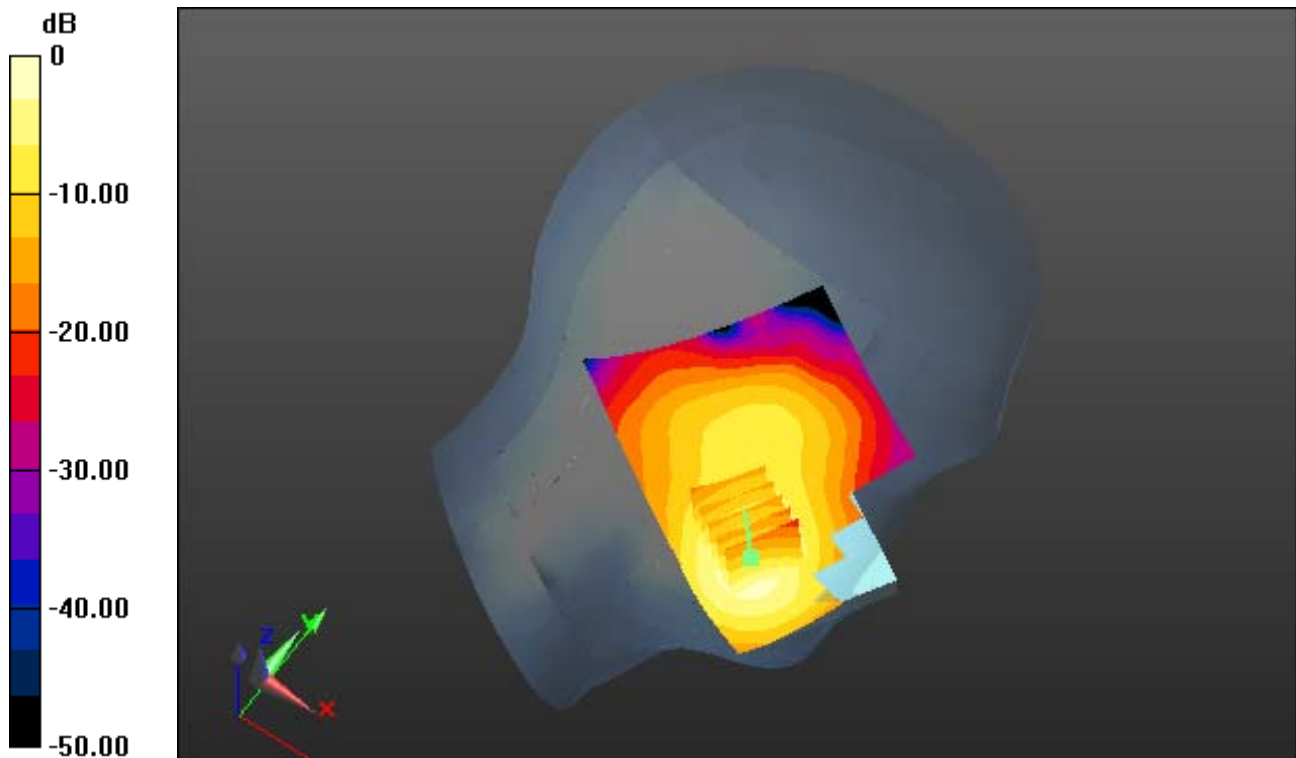
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.600 W/kg



0 dB = 1.46 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

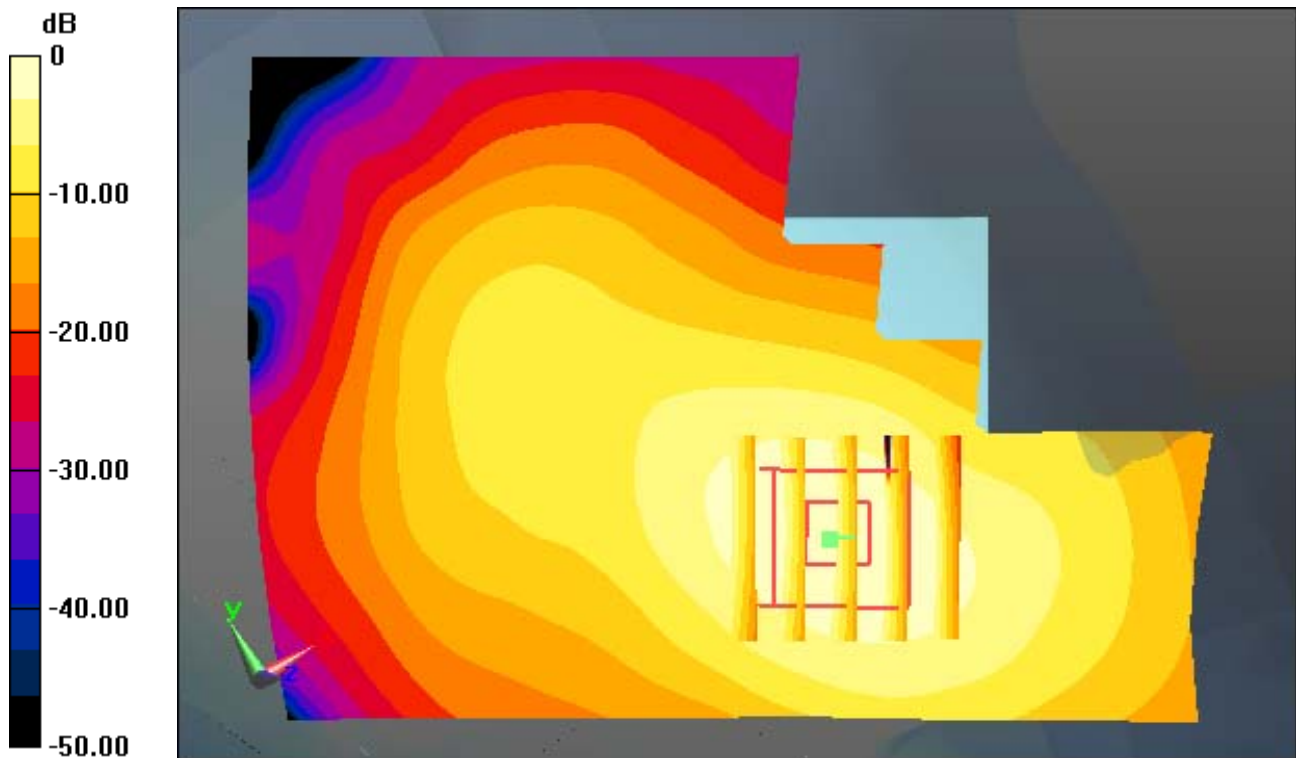
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.600 W/kg



0 dB = 1.46 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 39.222$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal, Standard Battery

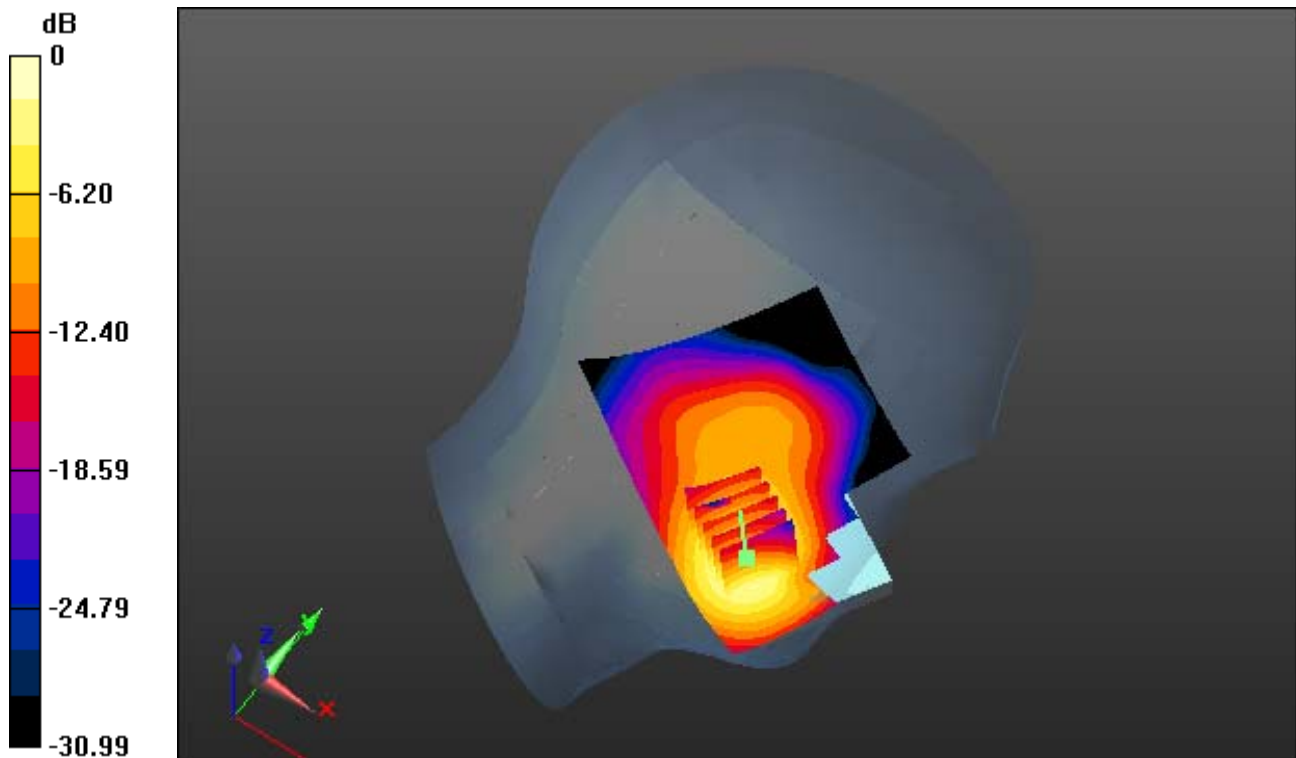
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.567 W/kg



0 dB = 1.38 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal, Standard Battery

With Enlarge plot image

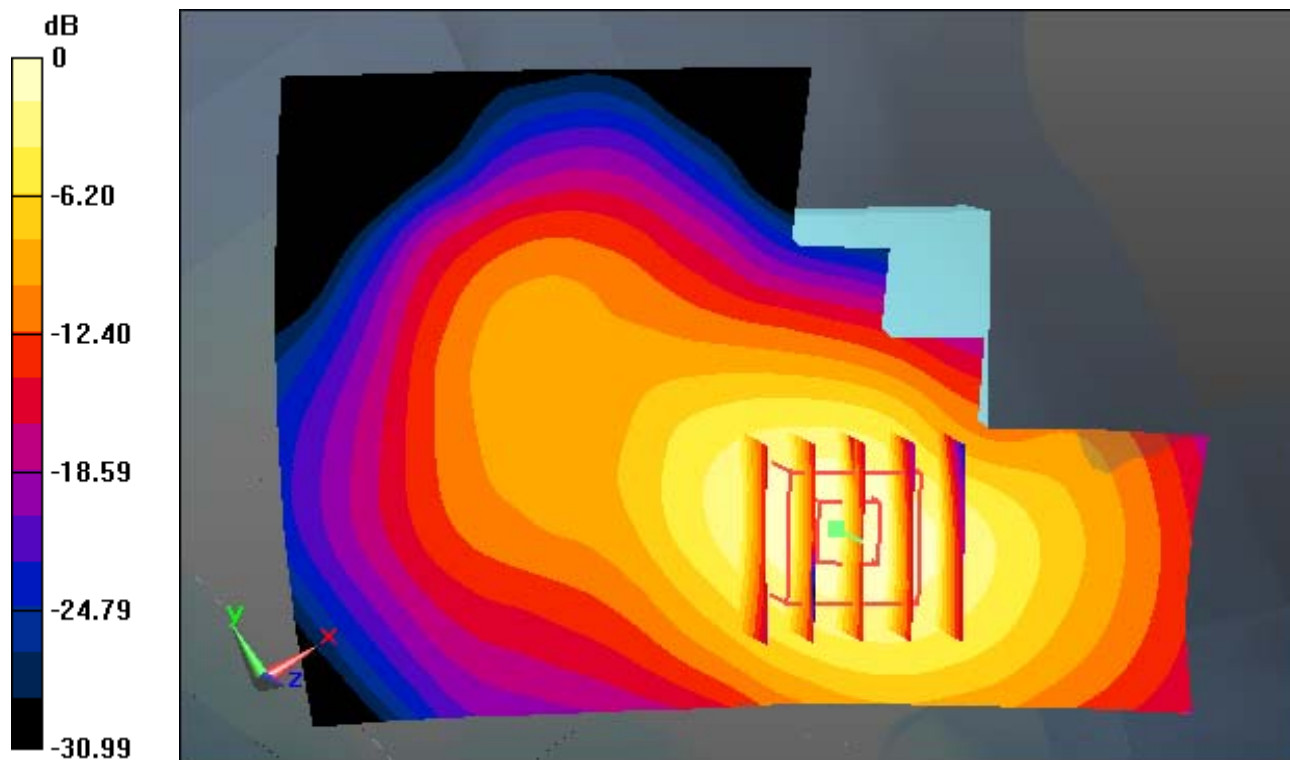
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.567 W/kg



0 dB = 1.38 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

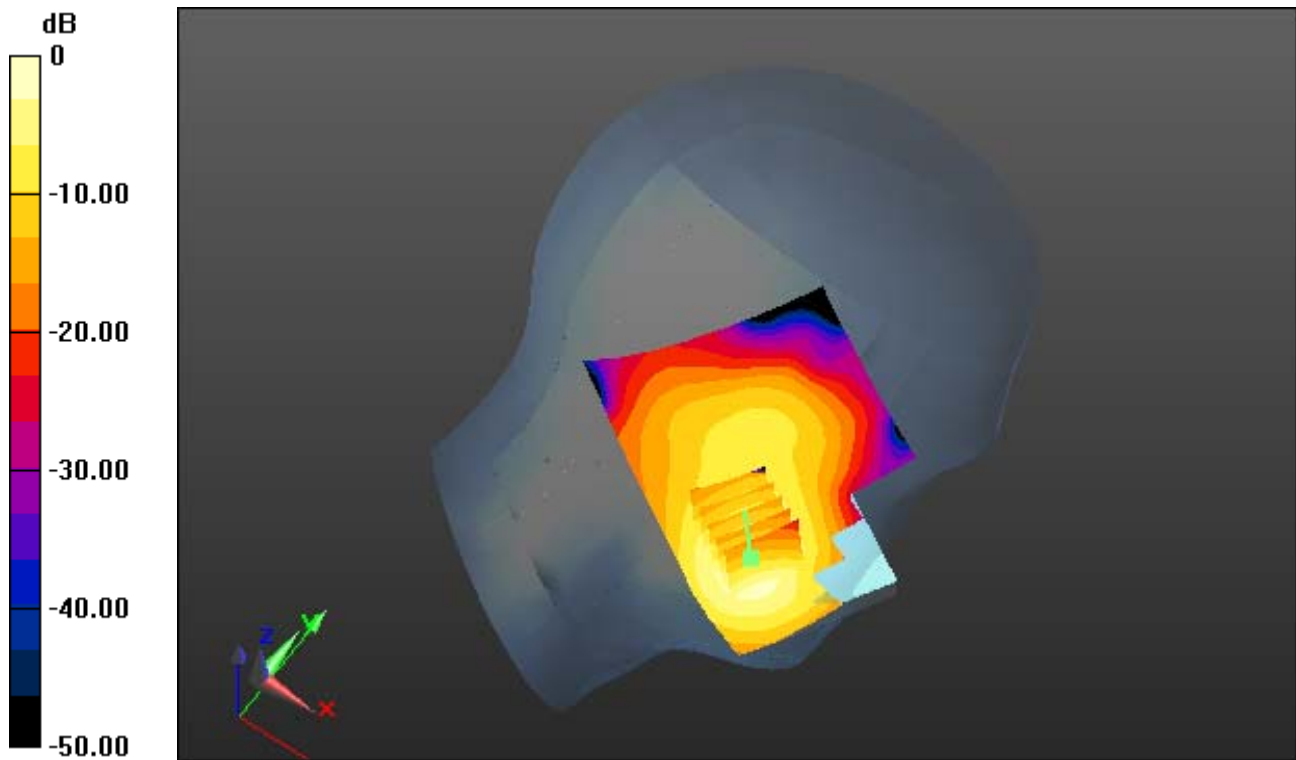
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.509 W/kg



0 dB = 1.28 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

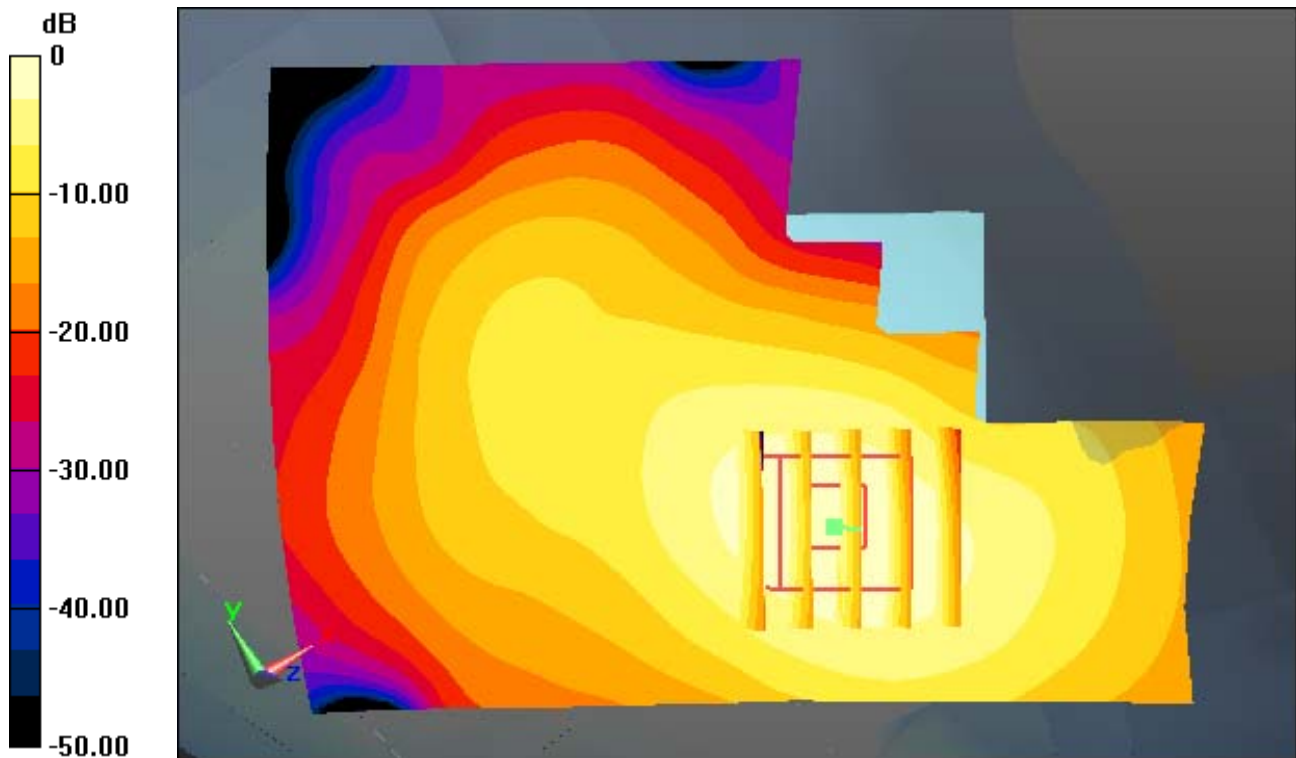
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.509 W/kg



0 dB = 1.28 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.444 \text{ S/m}$; $\epsilon_r = 39.102$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery

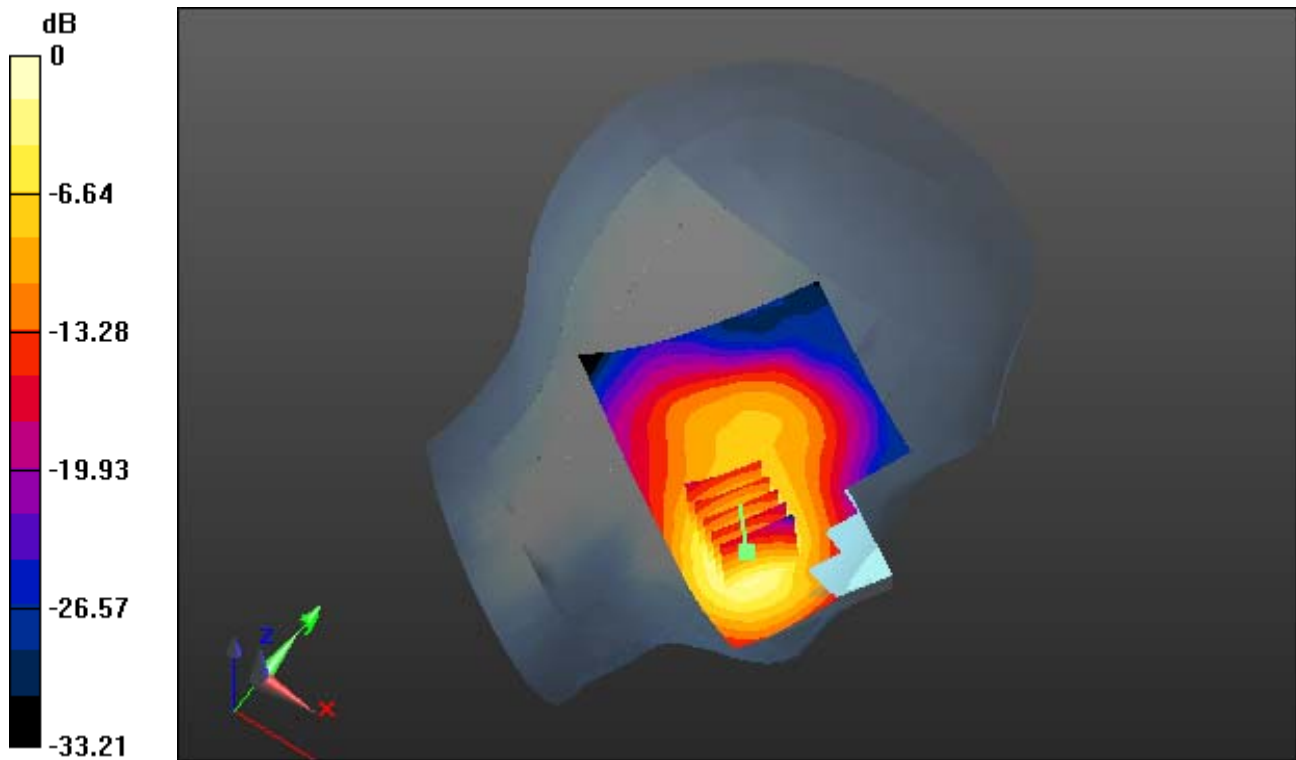
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.536 W/kg



0 dB = 1.32 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

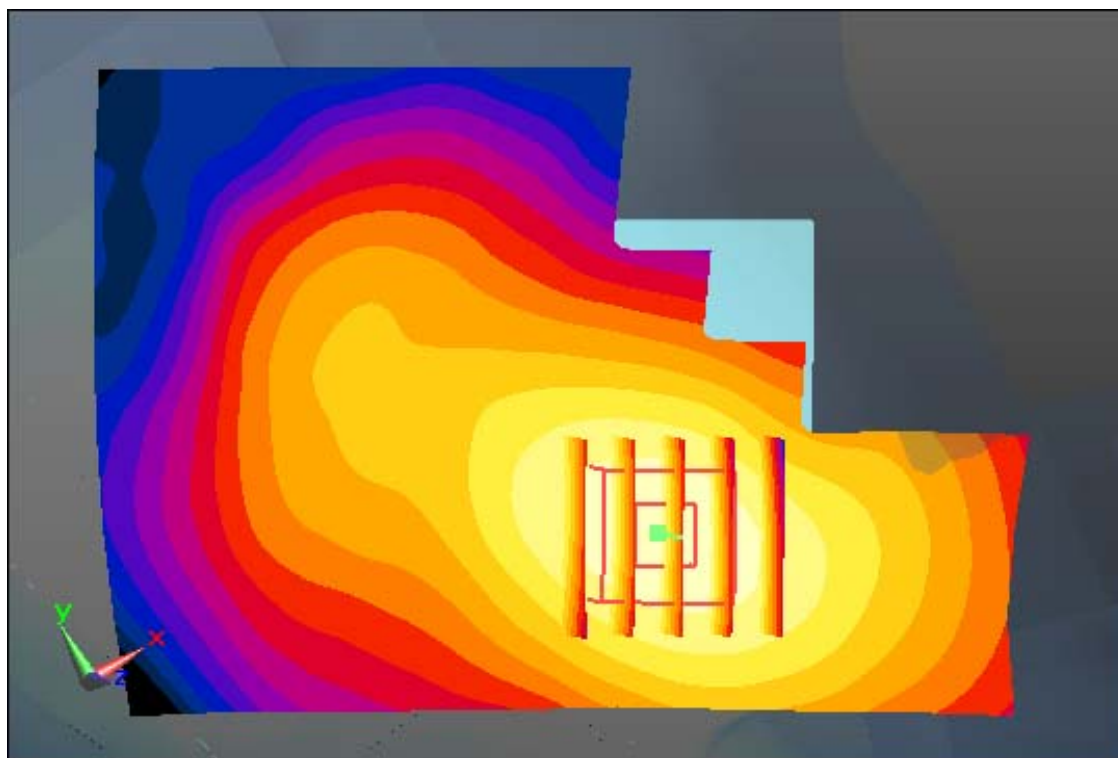
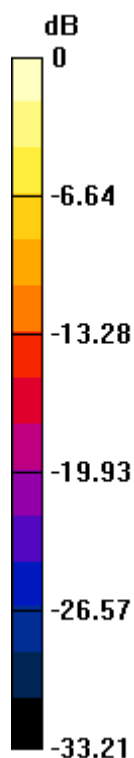
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.536 W/kg



0 dB = 1.32 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 39.222$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal, Standard Battery

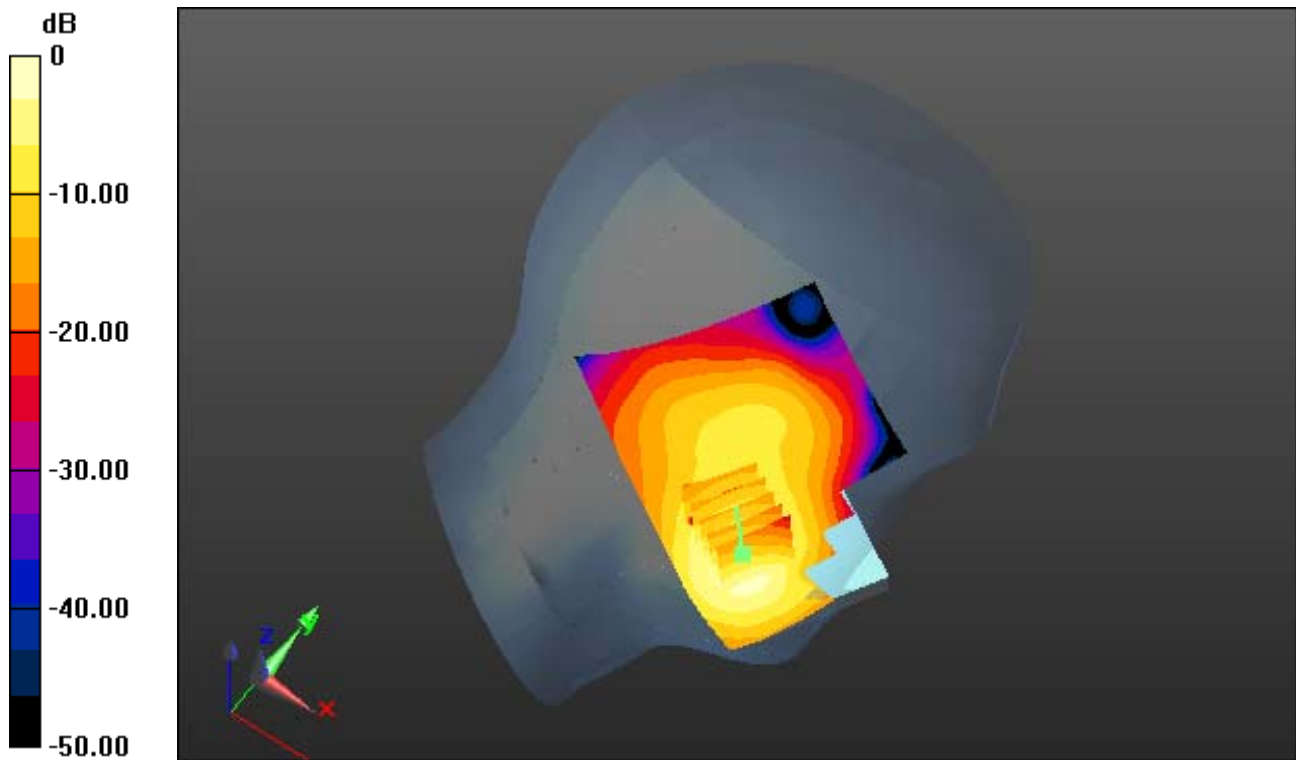
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.564 W/kg



0 dB = 1.37 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.222$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal, Standard Battery

With Enlarge plot image

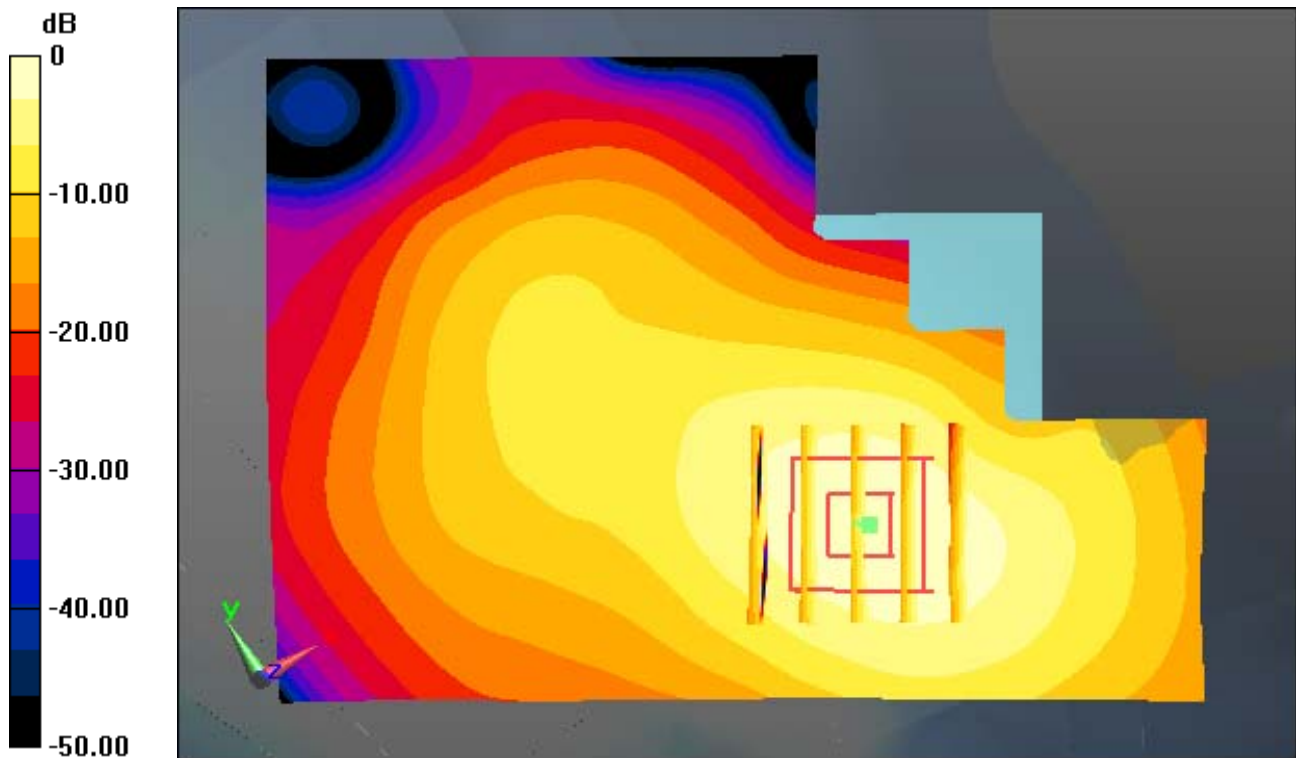
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.564 W/kg



0 dB = 1.37 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

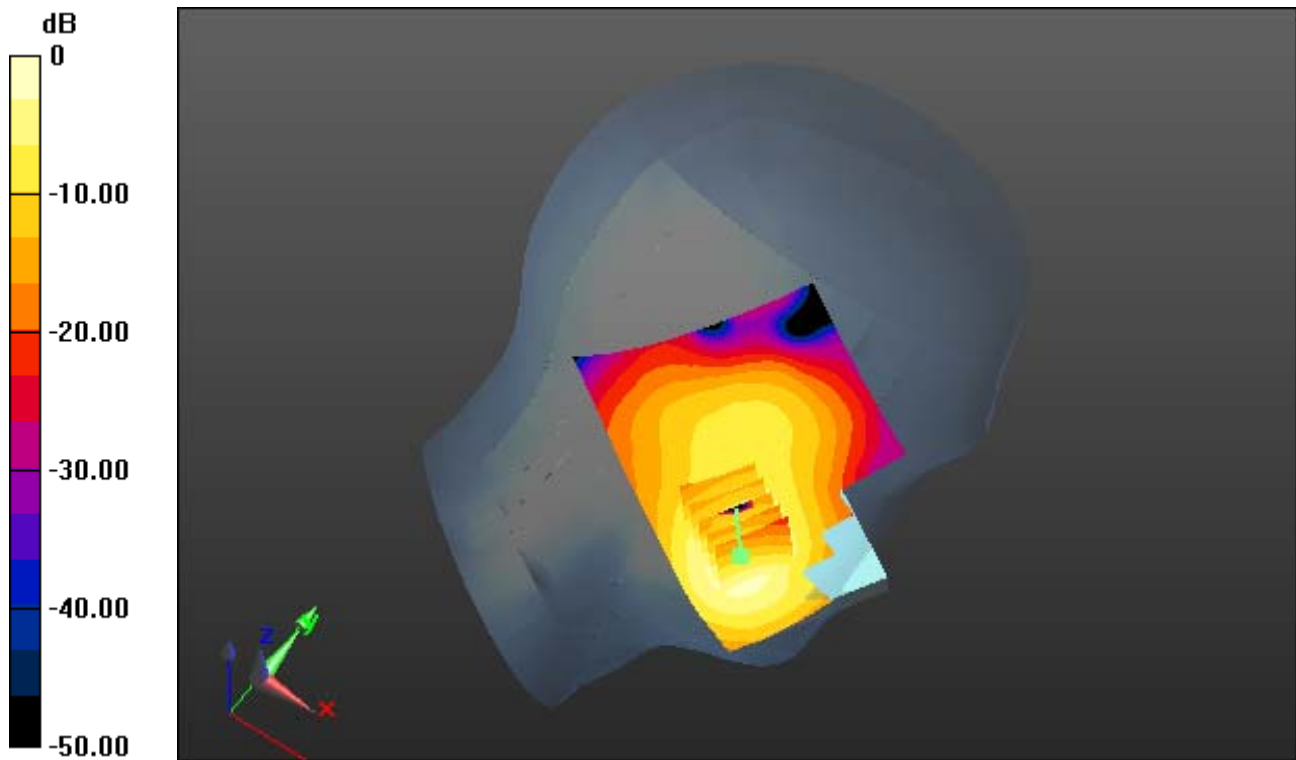
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.502 W/kg



0 dB = 1.23 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

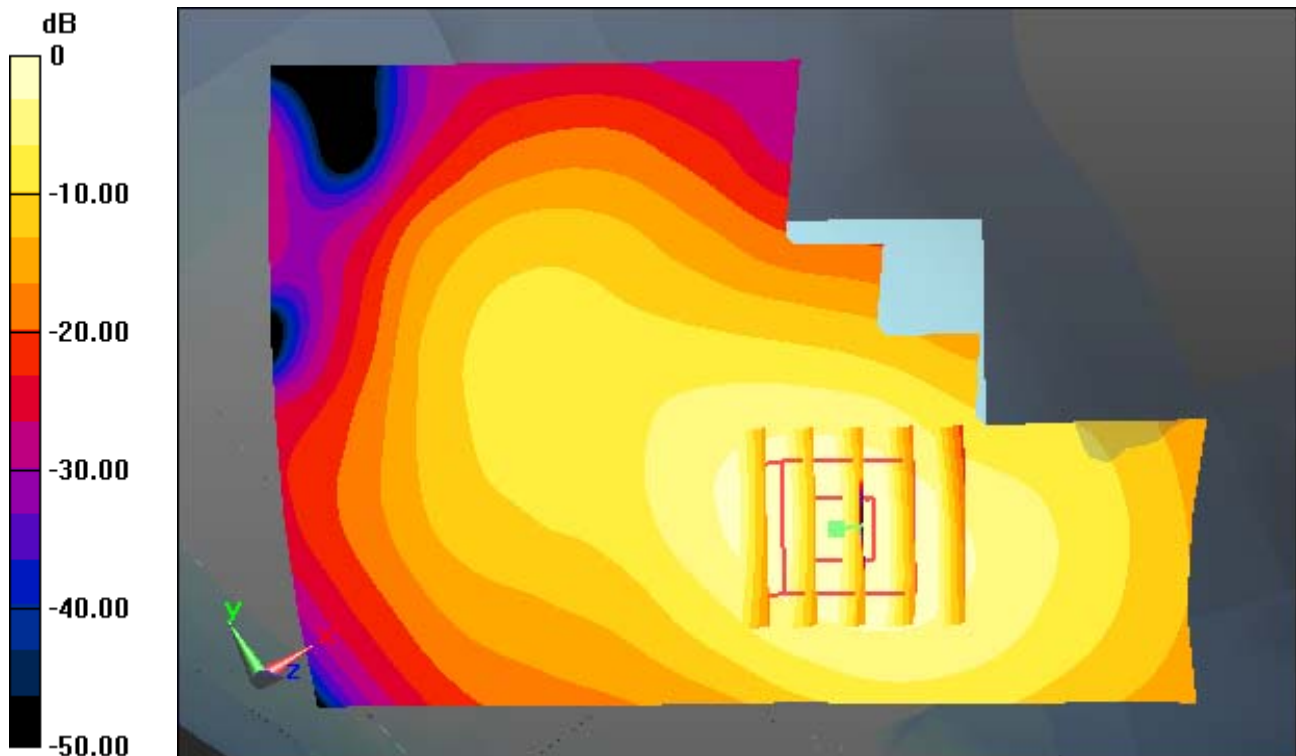
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.502 W/kg



0 dB = 1.23 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery

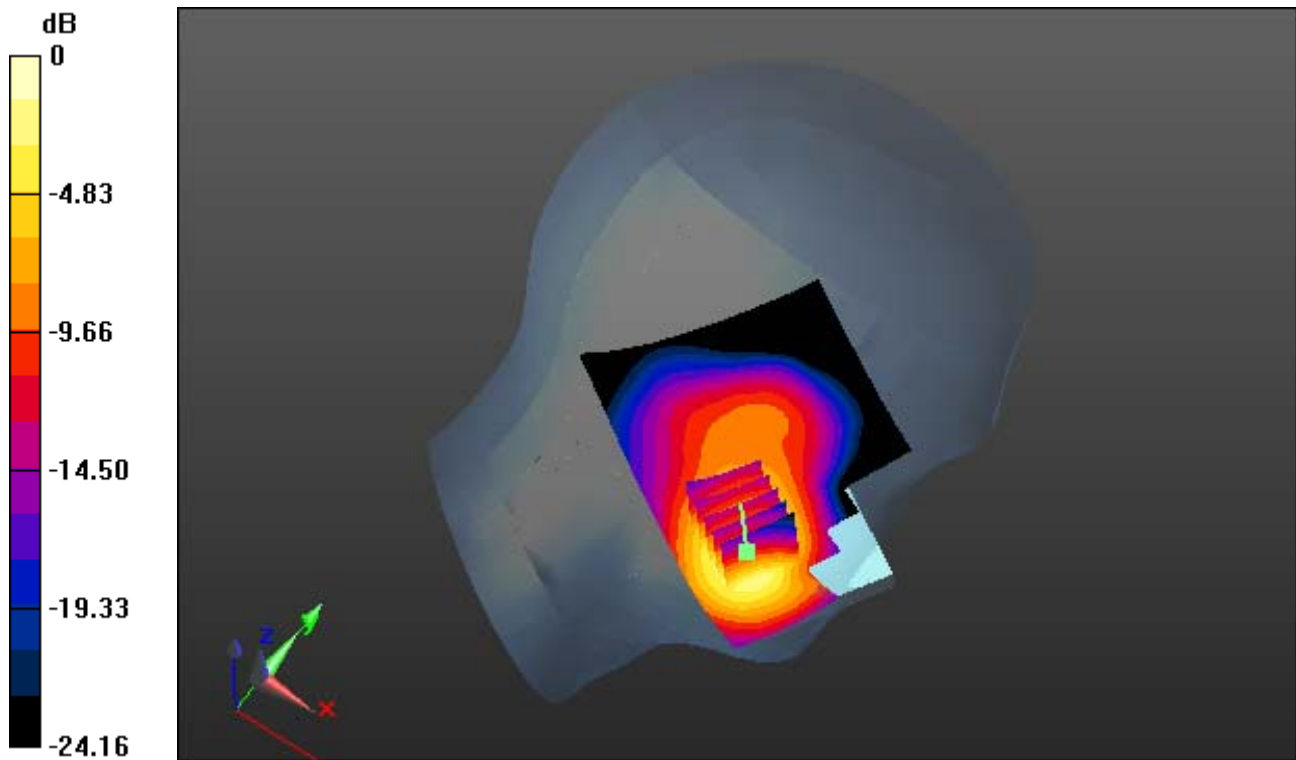
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.528 W/kg



0 dB = 1.28 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.102$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

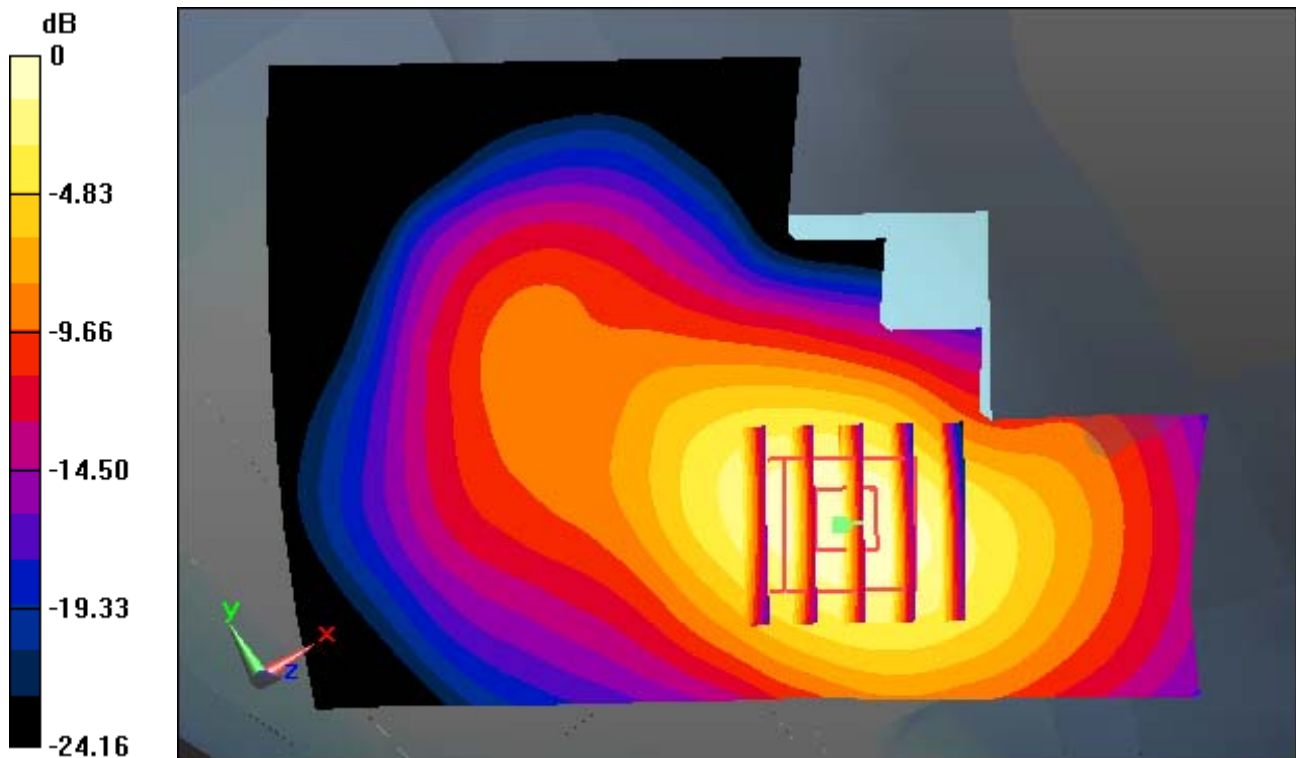
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.528 W/kg



0 dB = 1.28 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

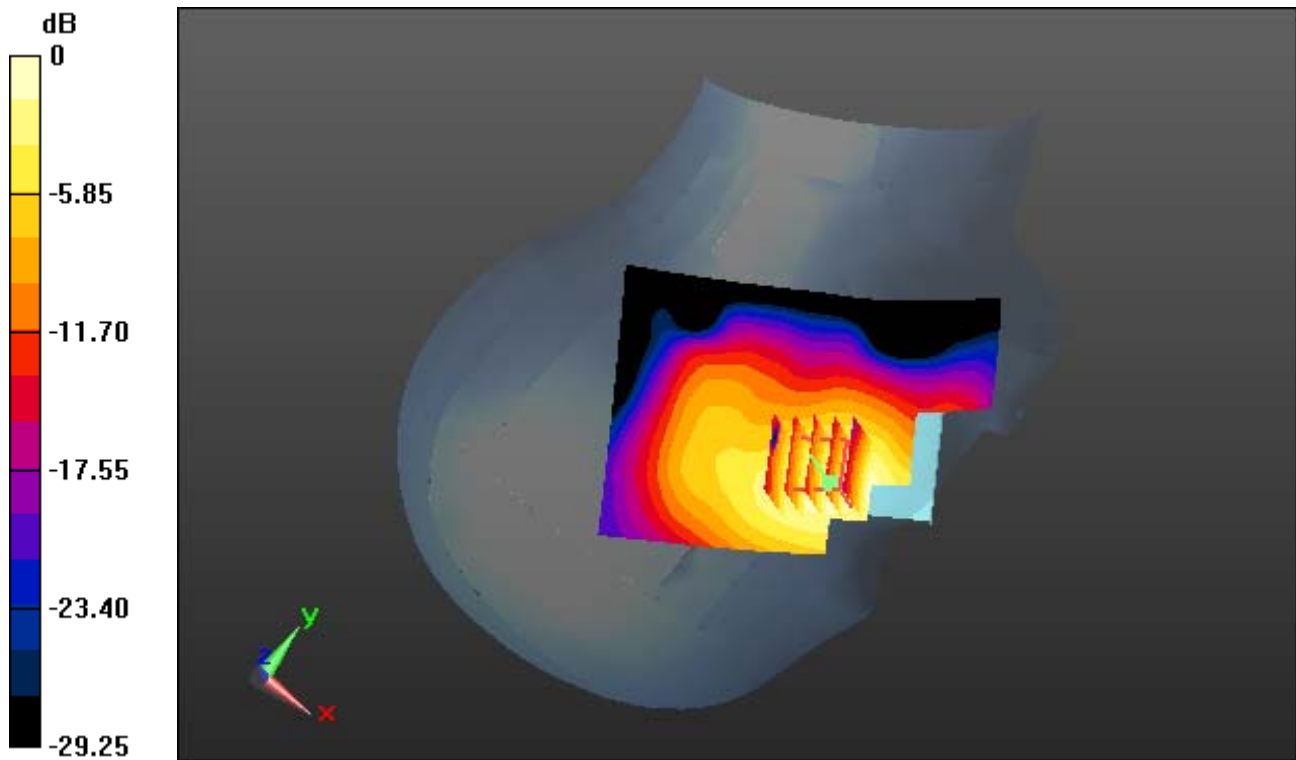
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.388 W/kg



0 dB = 0.847 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

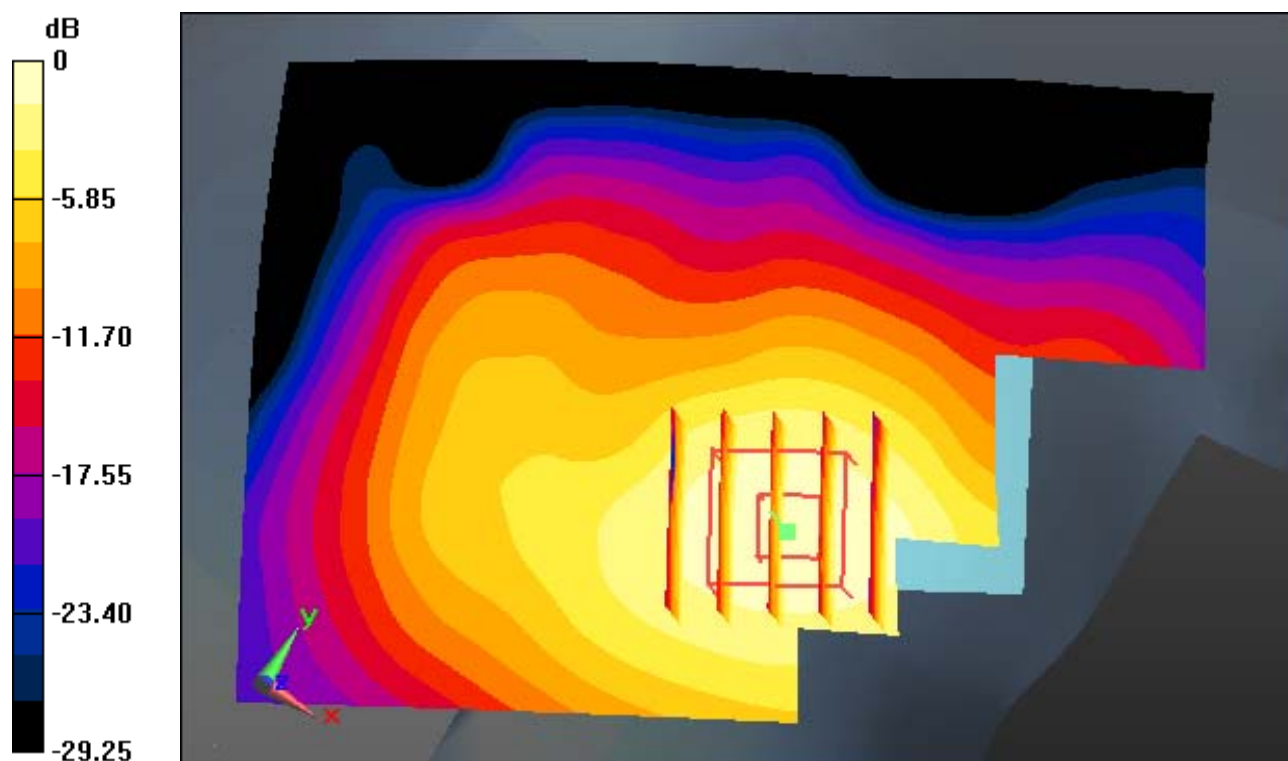
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.388 W/kg



0 dB = 0.847 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

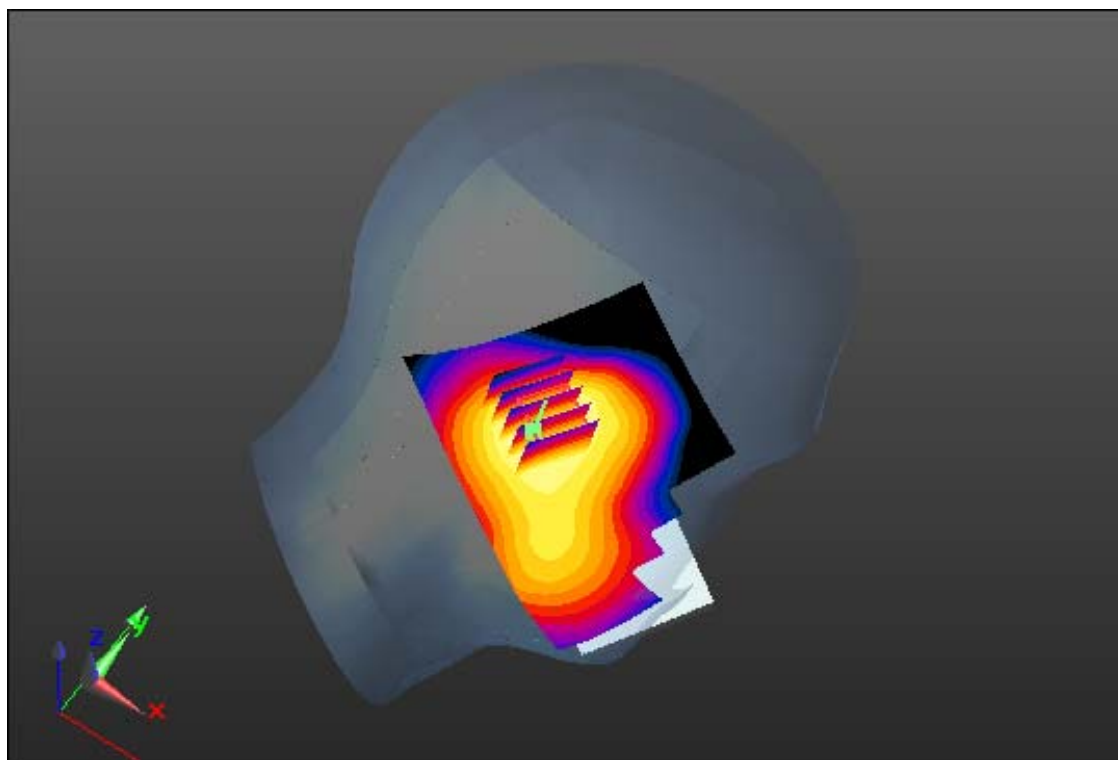
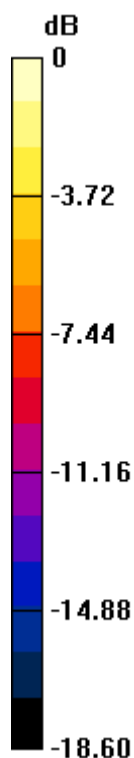
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.177 W/kg



0 dB = 0.375 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

With Enlarge plot image

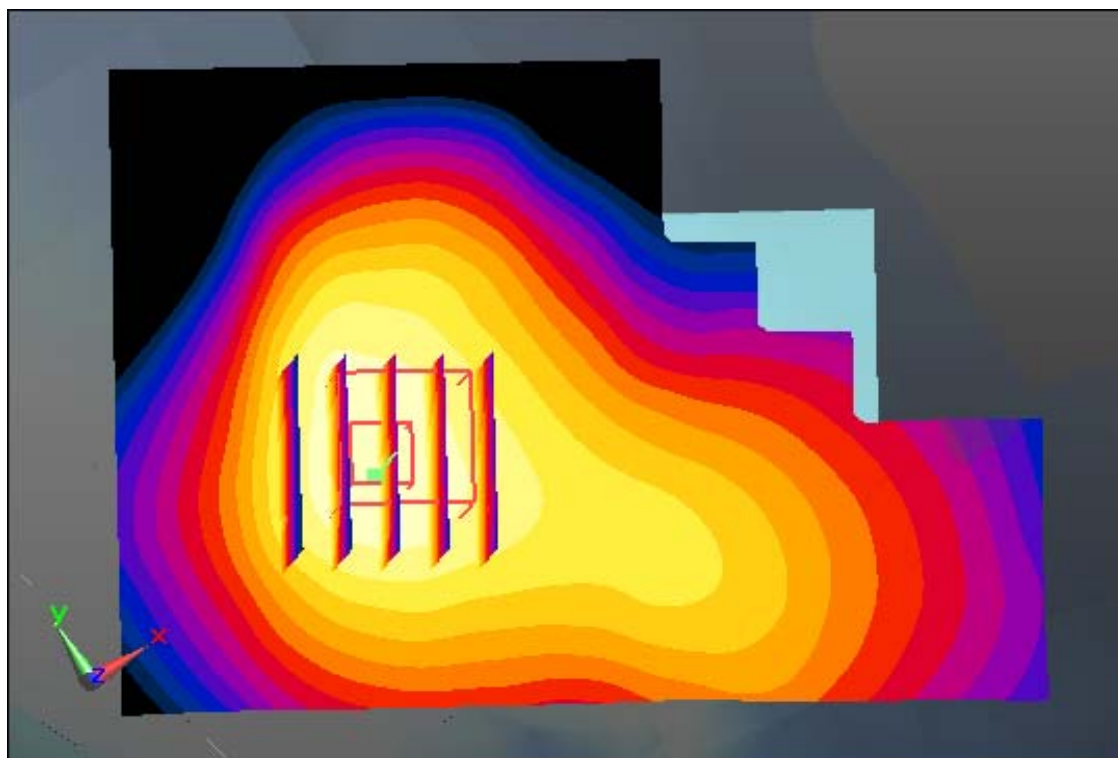
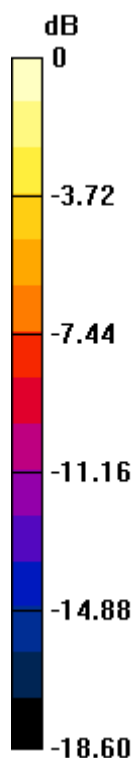
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.177 W/kg



0 dB = 0.375 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Right Tilt, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery

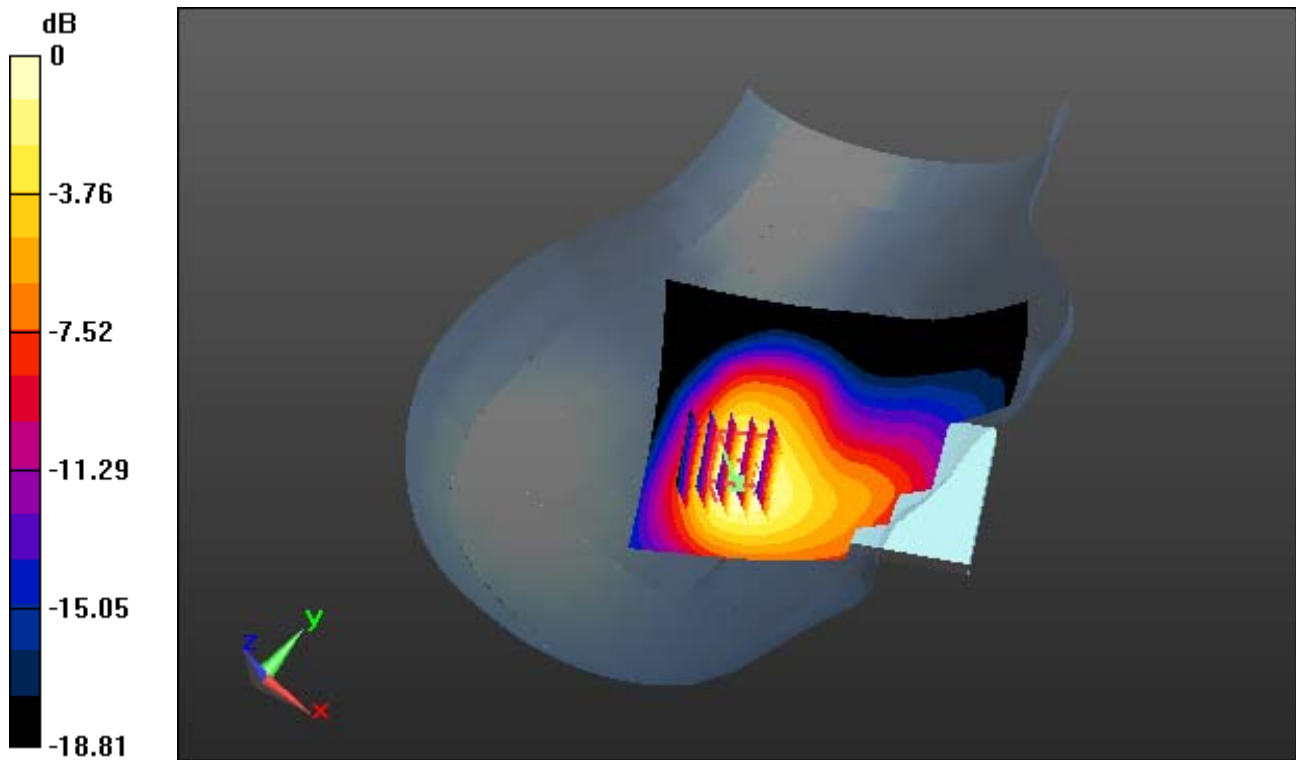
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.196 W/kg



0 dB = 0.430 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.421 \text{ S/m}$; $\epsilon_r = 39.161$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

Right Tilt, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery

With Enlarge plot image

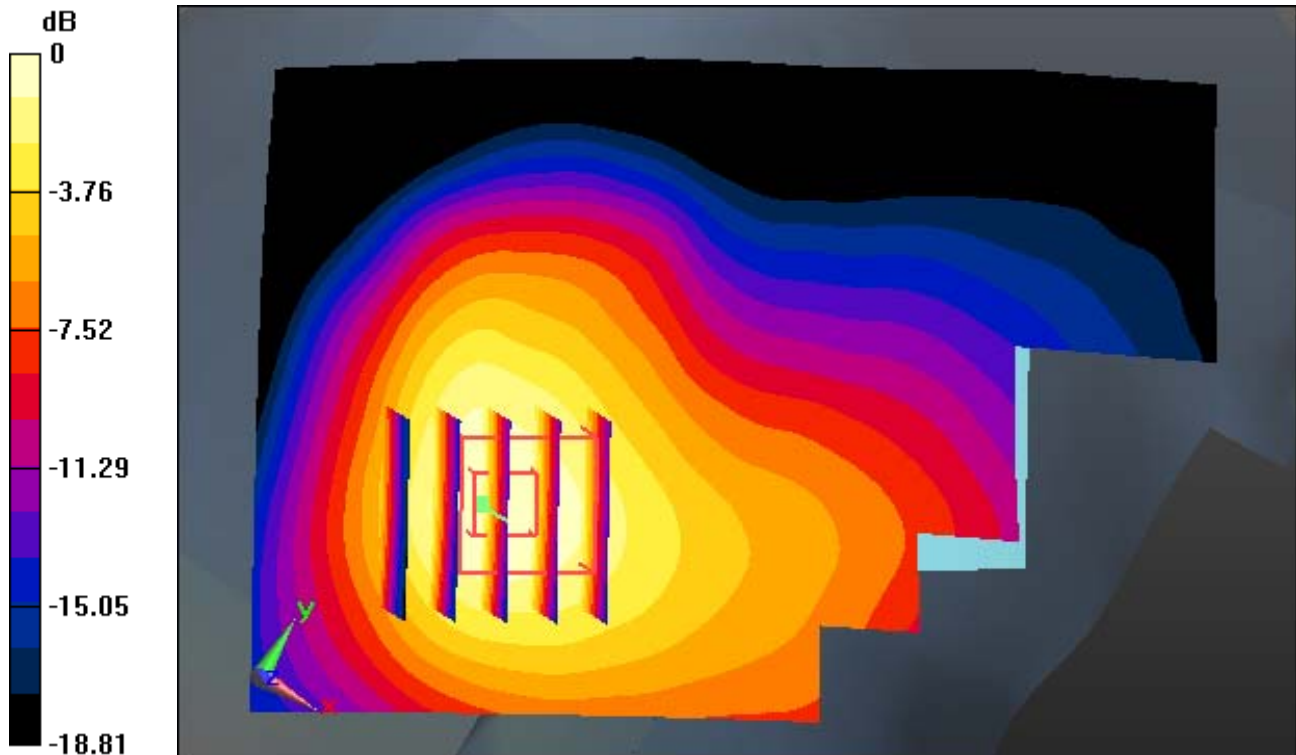
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.196 W/kg



0 dB = 0.430 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.329$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.0

Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery

SAR Variability Result

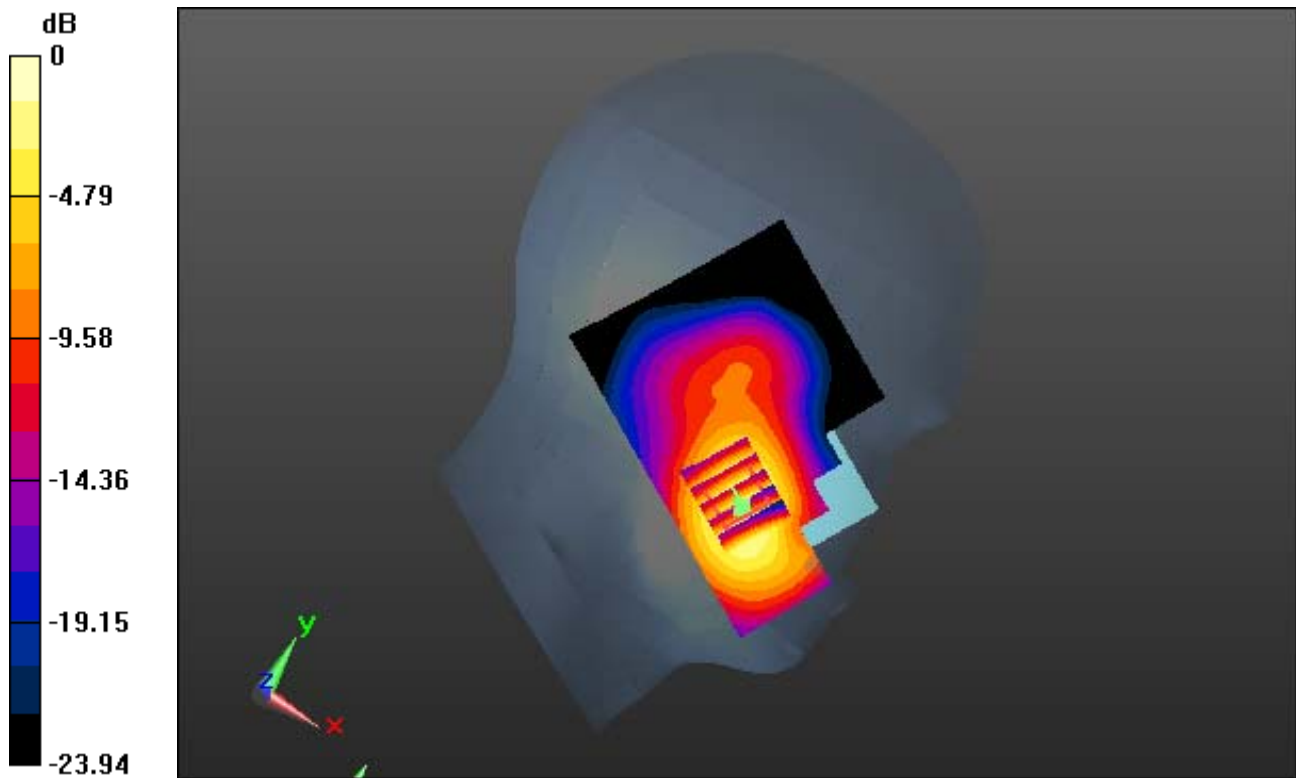
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.707 W/kg



0 dB = 1.77 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.329$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.0

Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery

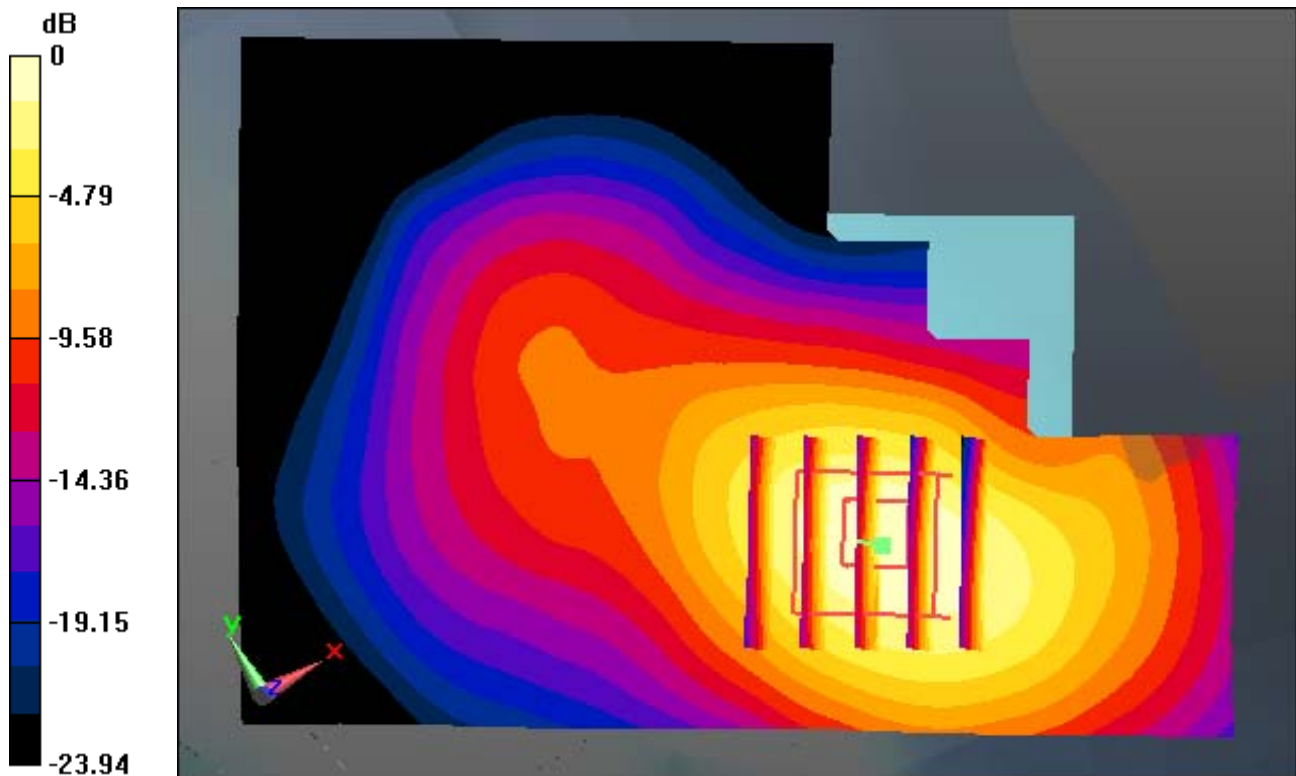
SAR Variability Result, With Enlarge plot image

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.707 W/kg



0 dB = 1.77 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-22; Ambient Temp: 21.0; Tissue Temp: 21.6

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

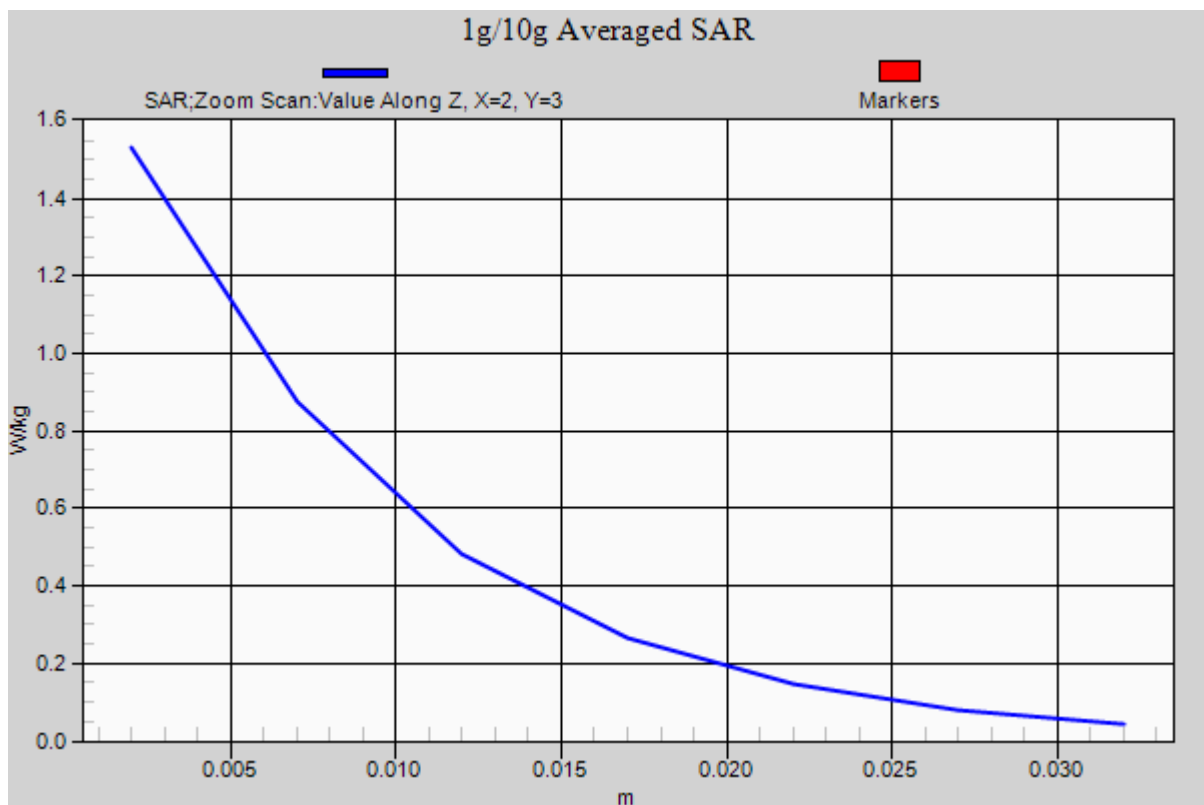
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.680 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 40.329$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.0

Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery

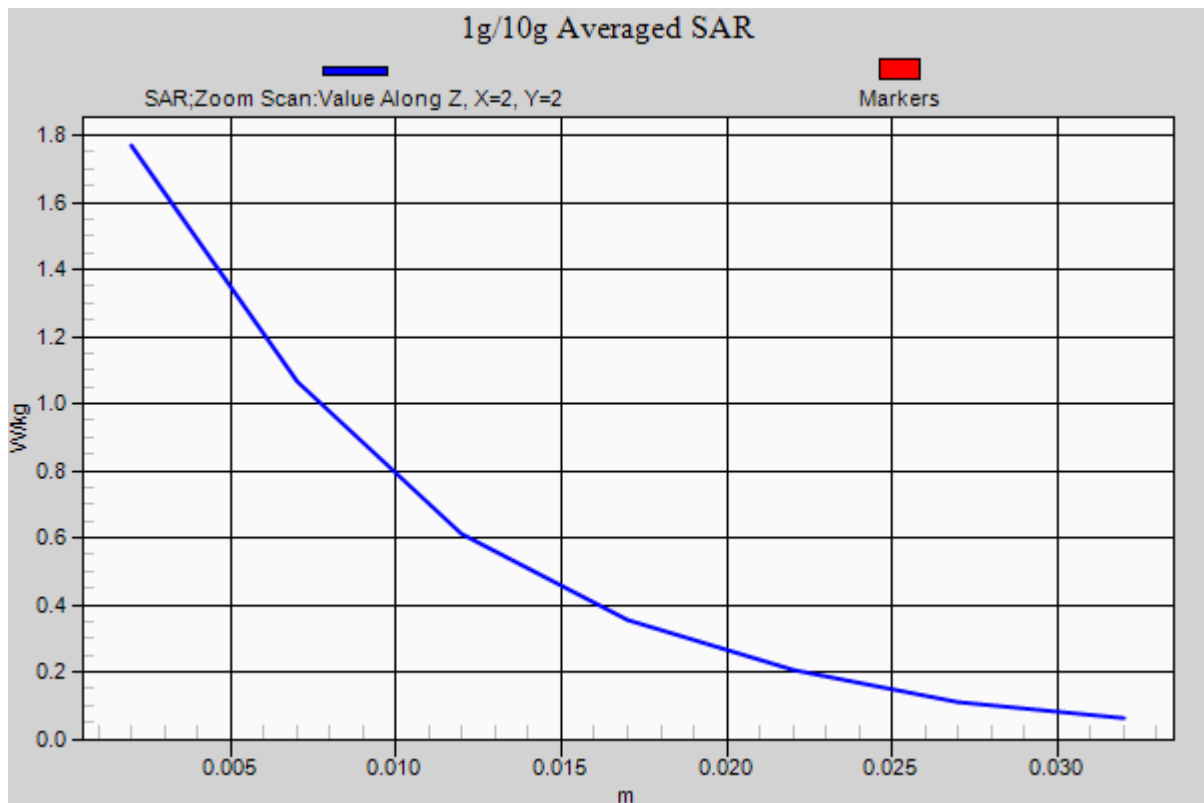
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.697 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Left Touch, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

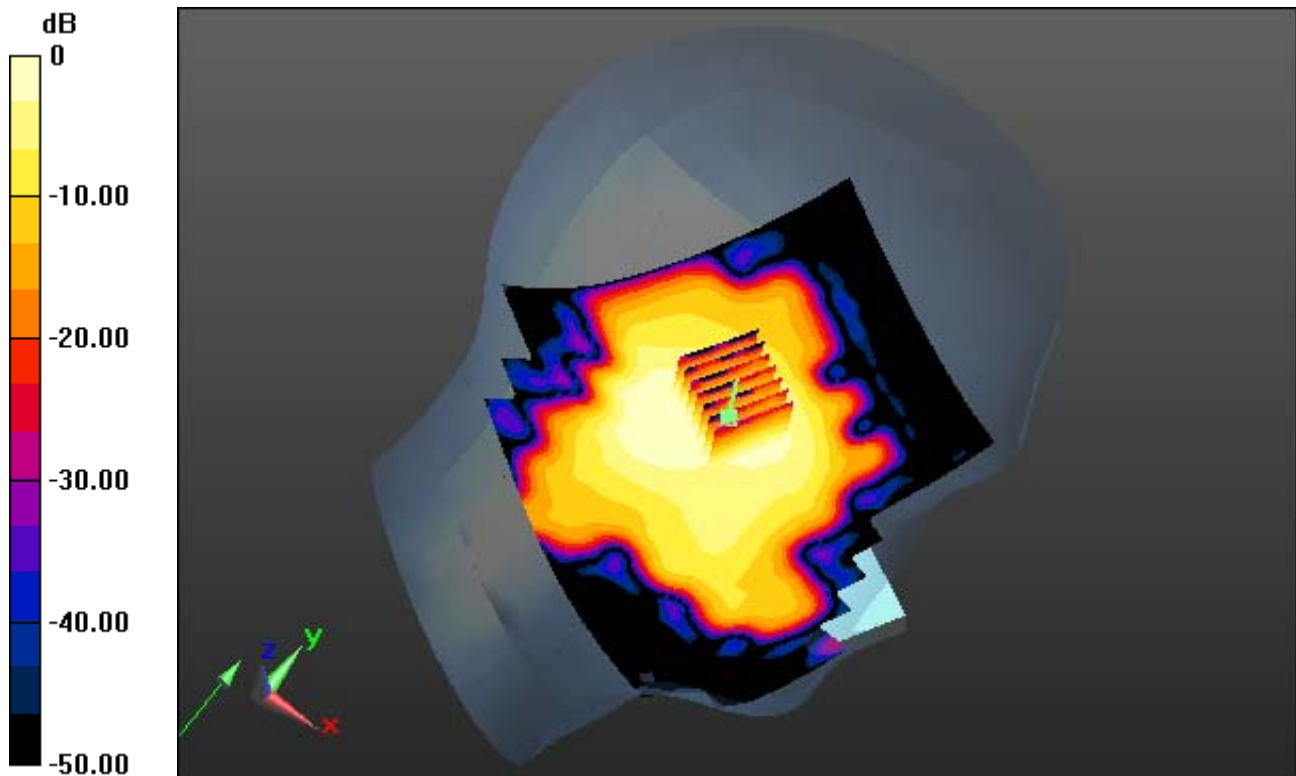
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.046 W/kg



0 dB = 0.129 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Left Touch, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

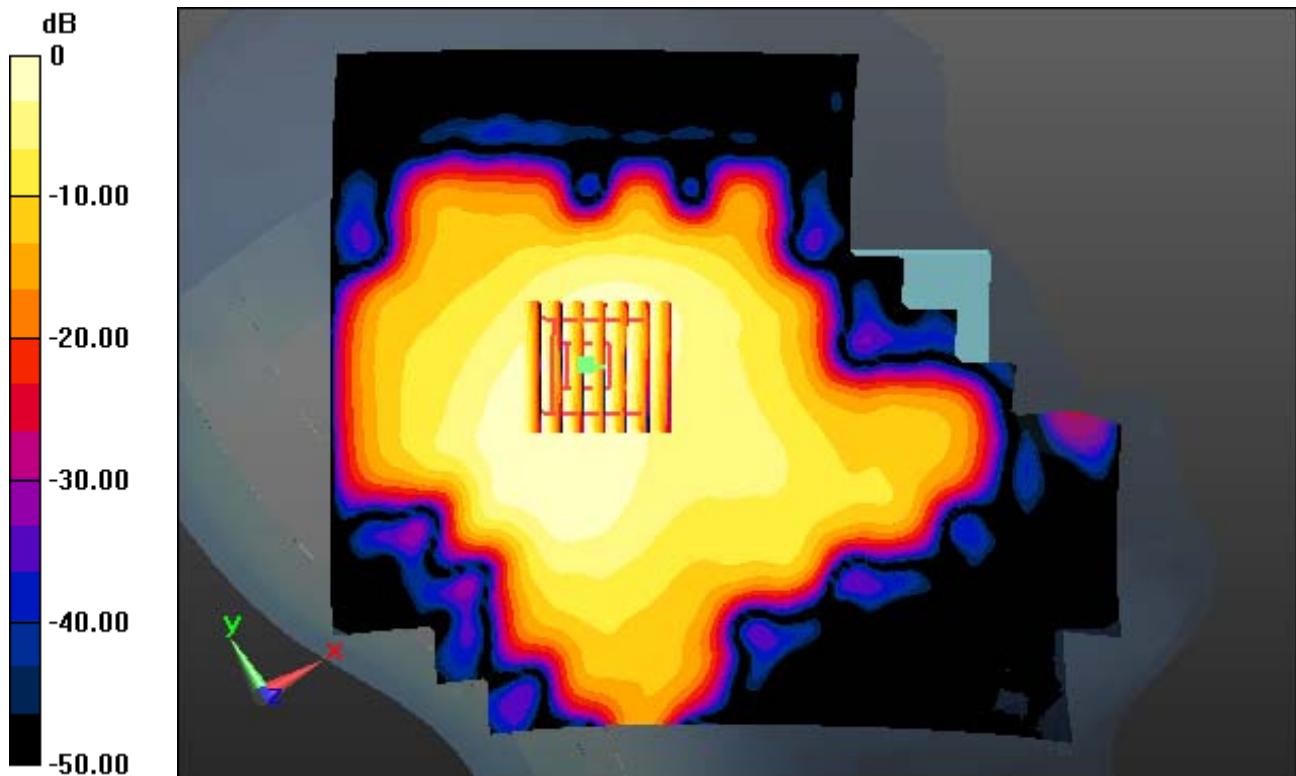
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.046 W/kg



0 dB = 0.129 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.737 \text{ S/m}$; $\epsilon_r = 38.415$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

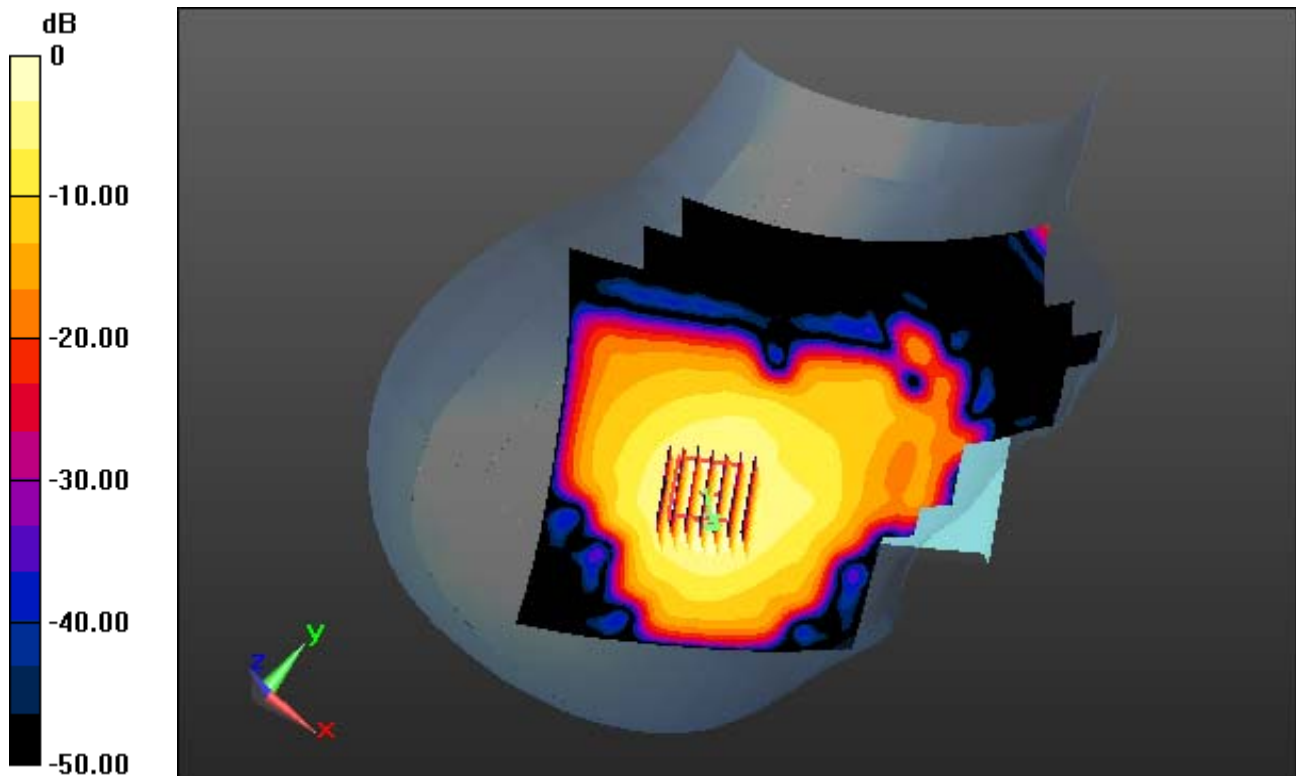
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.063 W/kg



0 dB = 0.229 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.737 \text{ S/m}$; $\epsilon_r = 38.415$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

With Enlarge plot image

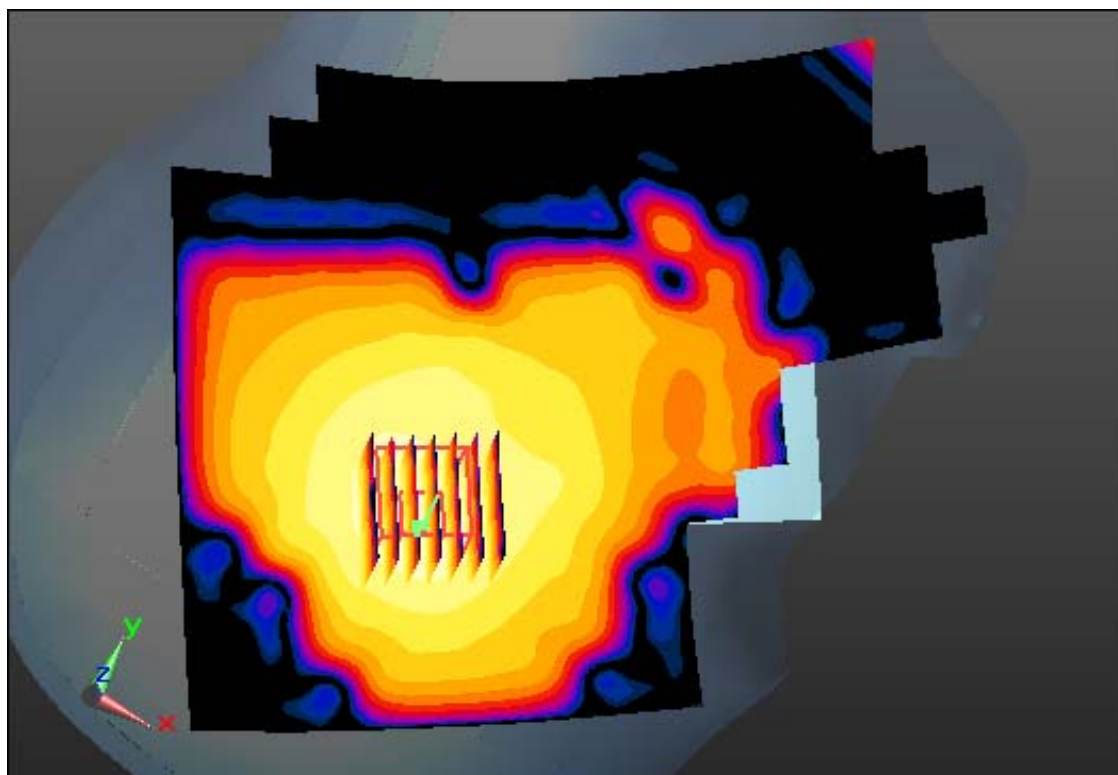
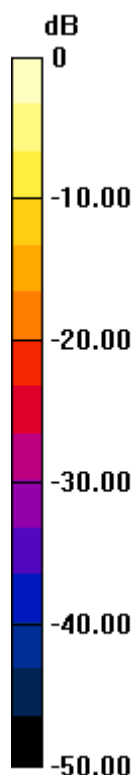
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.063 W/kg



0 dB = 0.229 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.758 \text{ S/m}$; $\epsilon_r = 38.371$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

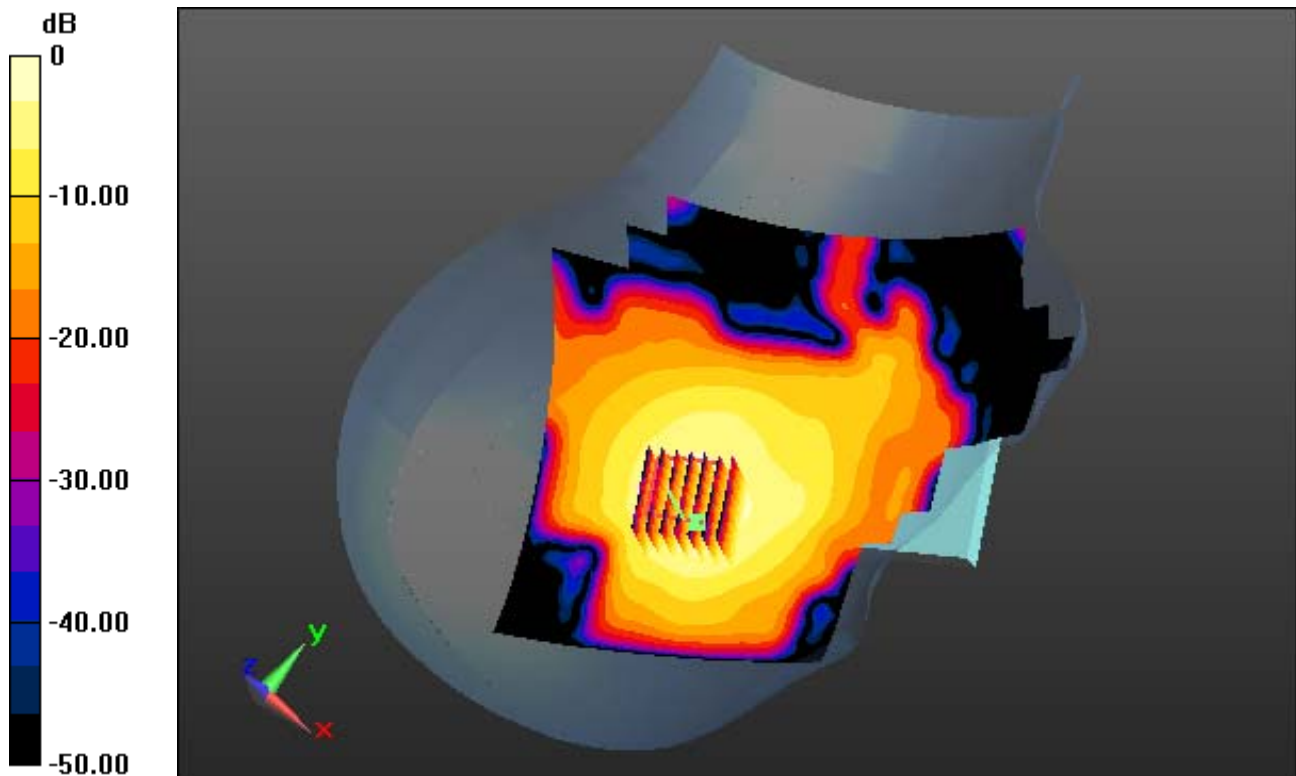
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.069 W/kg



0 dB = 0.239 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.371$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

With Enlarge plot image

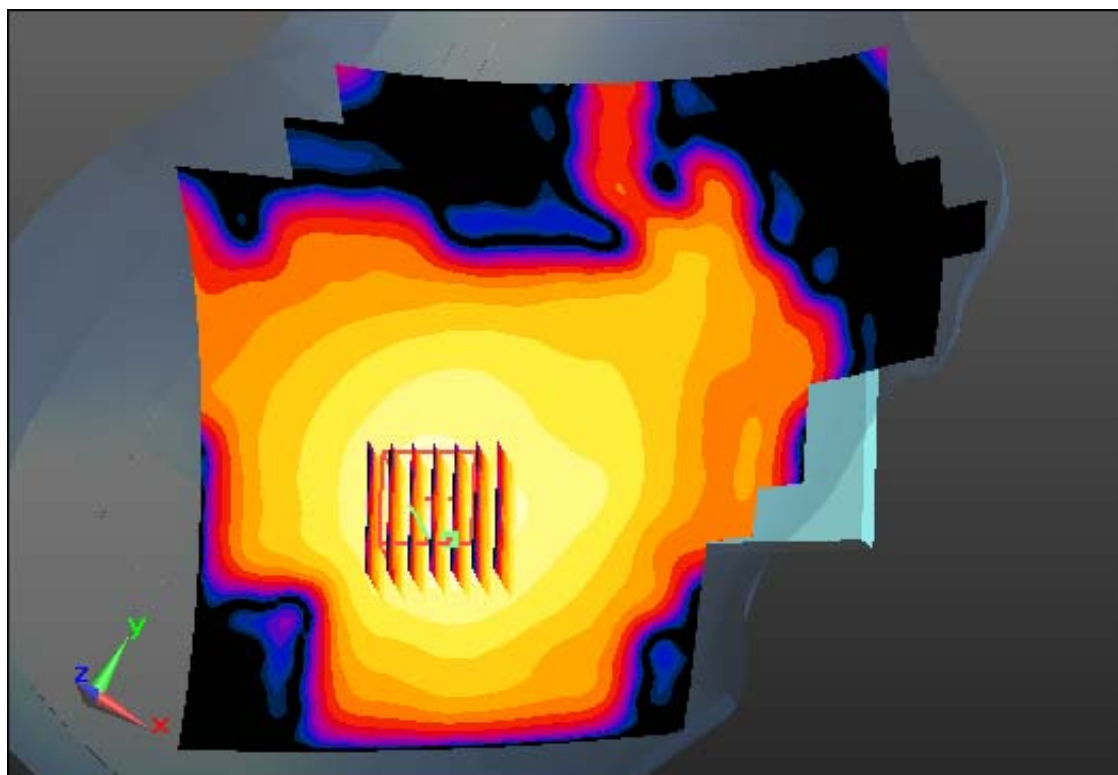
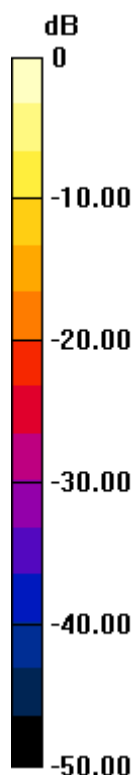
Area Scan (131x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.069 W/kg



0 dB = 0.239 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

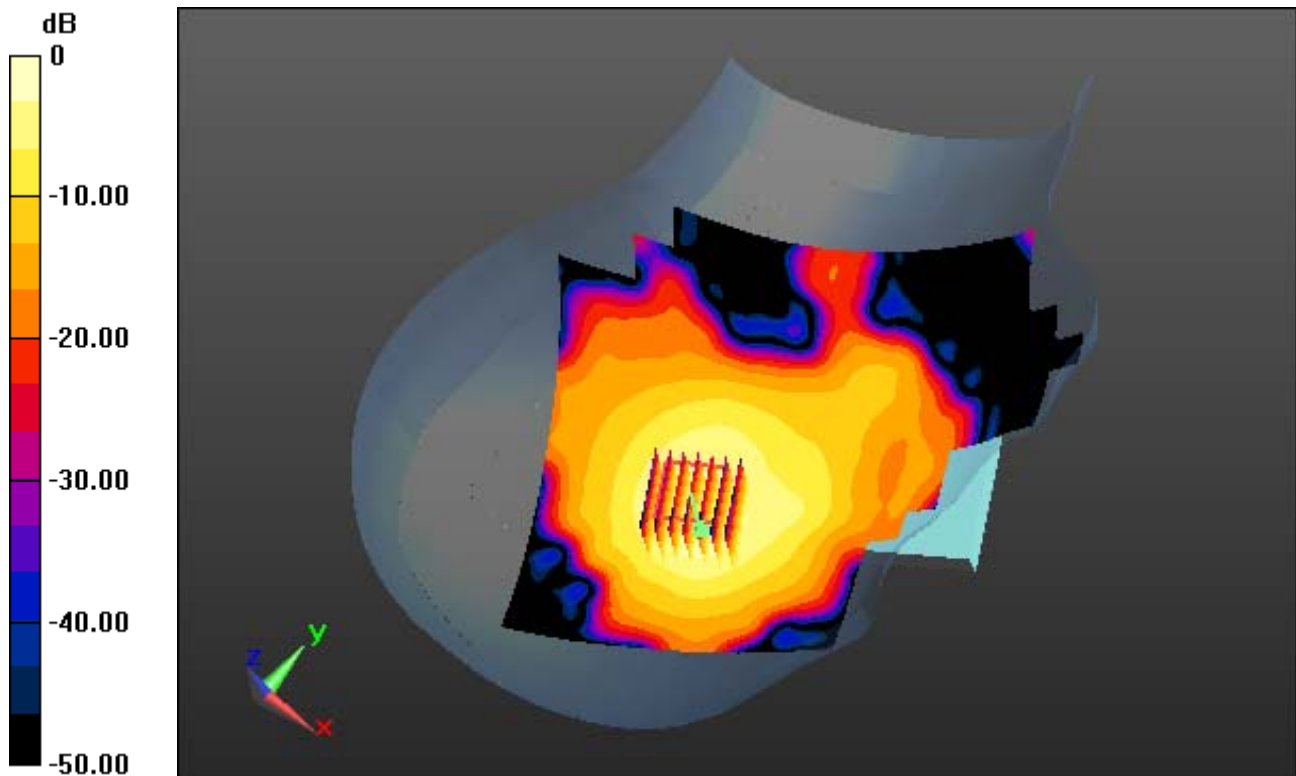
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.093 W/kg



0 dB = 0.332 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

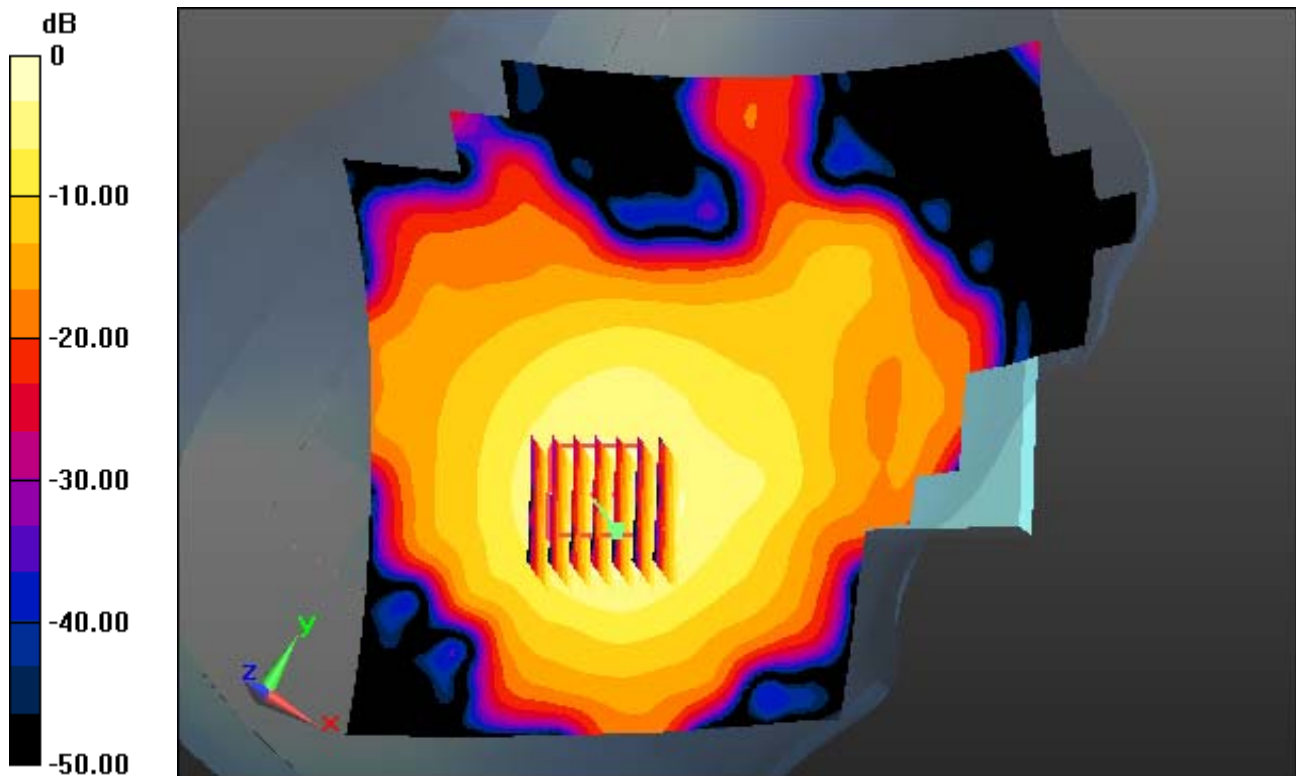
With Enlarge plot image

Area Scan (131x161x1): Interpolated 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 = 0.02 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.093 W/kg



0 dB = 0.332 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Left Tilt, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

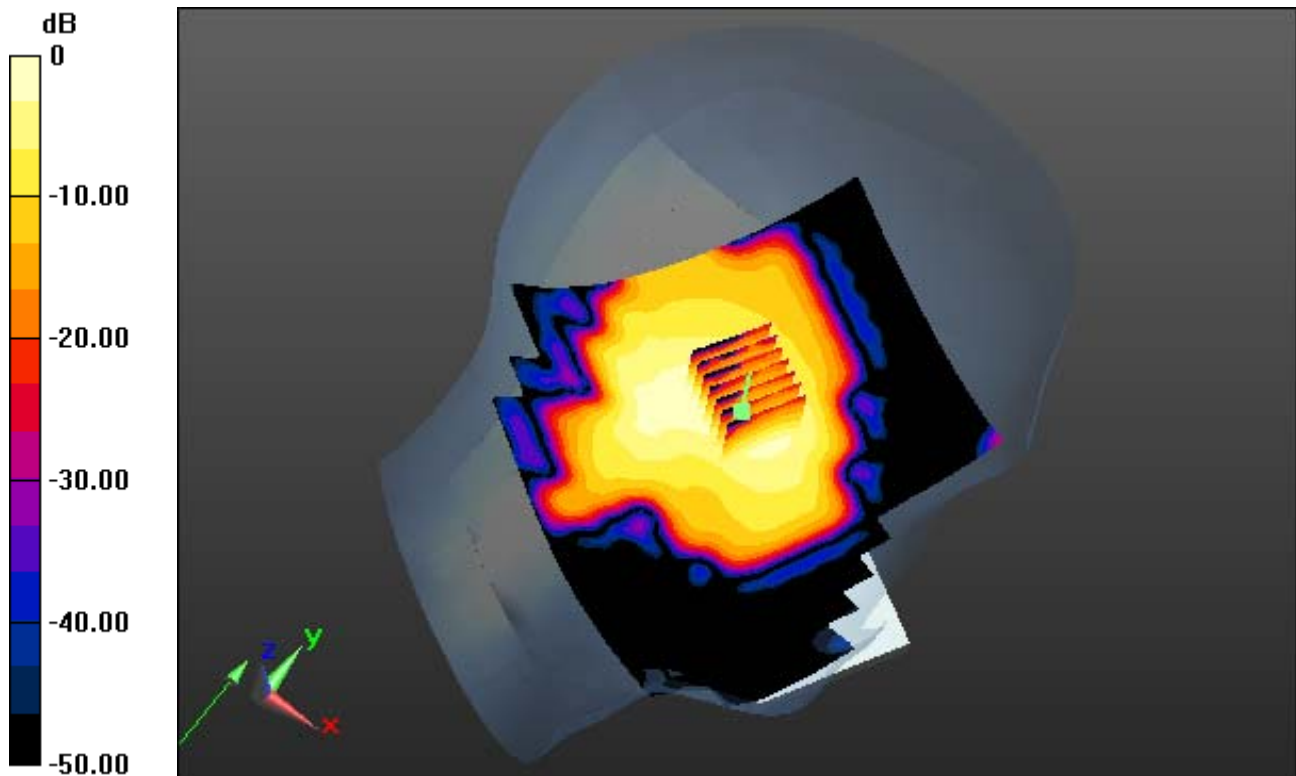
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.043 W/kg



0 dB = 0.126 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Left Tilt, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

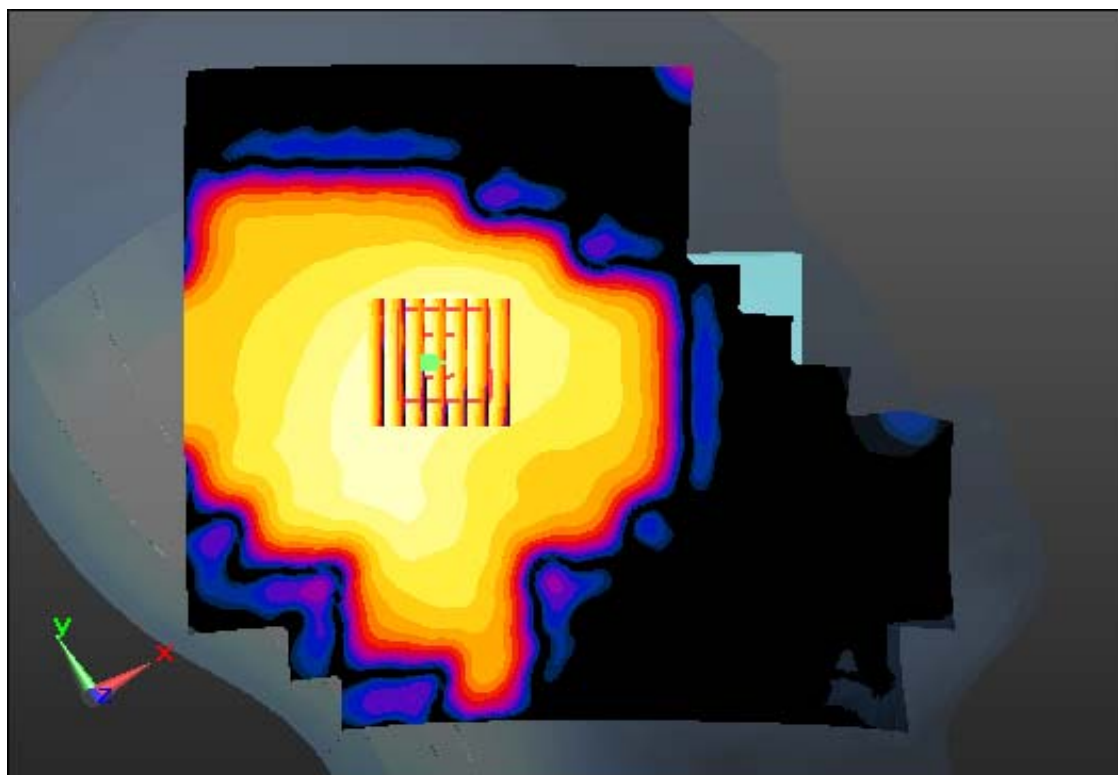
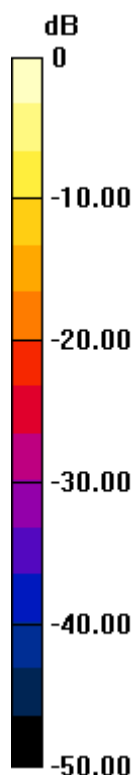
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.043 W/kg



0 dB = 0.126 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Tilt, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

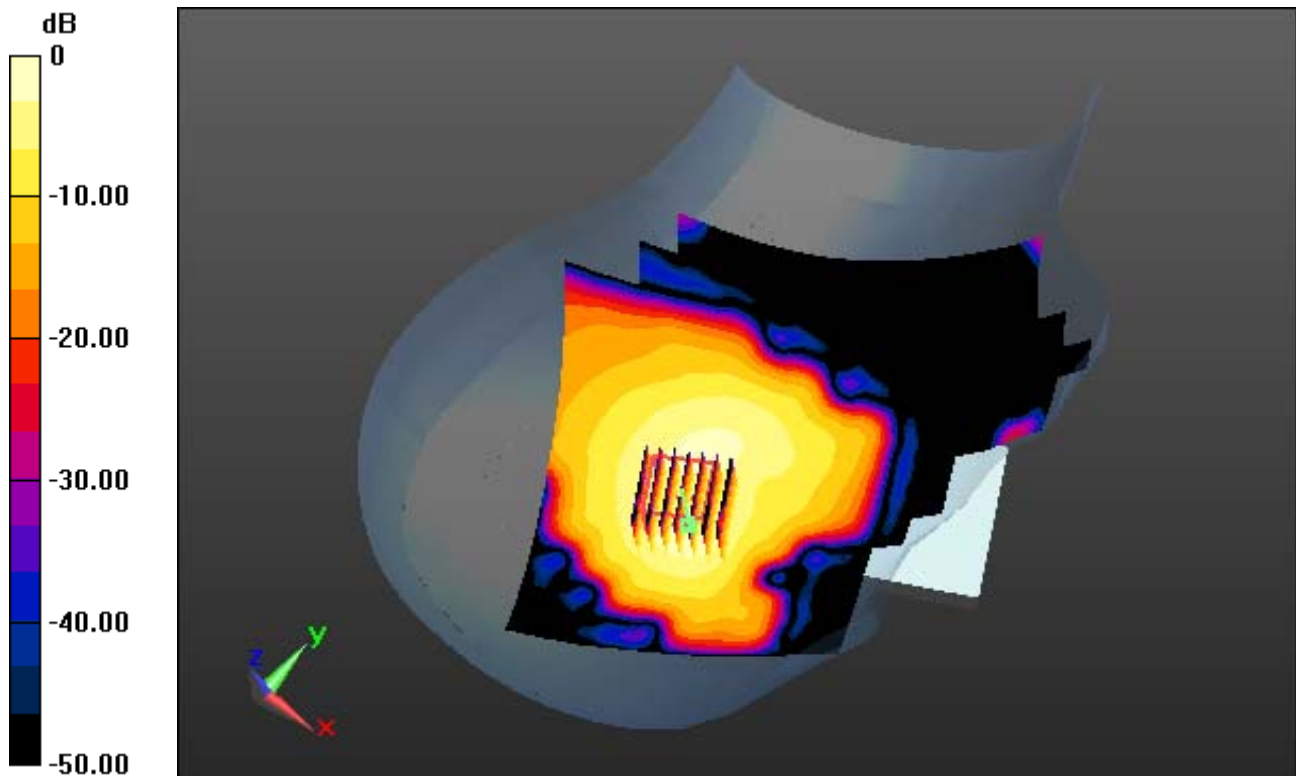
Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.044 W/kg



0 dB = 0.159 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.776 \text{ S/m}$; $\epsilon_r = 38.341$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Tilt, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

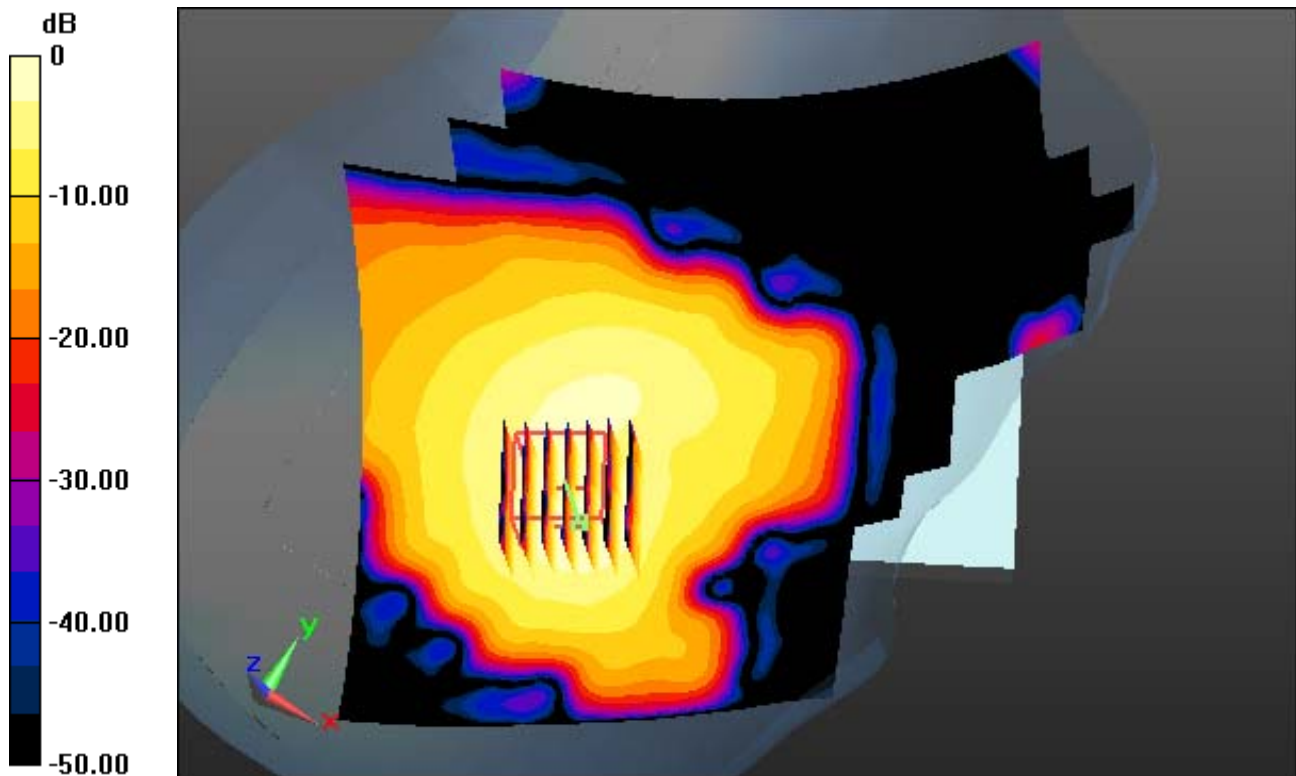
With Enlarge plot image

Area Scan (131x161x1): Interpolated 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 = 0.11 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.044 W/kg



0 dB = 0.159 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.776$ S/m; $\epsilon_r = 38.341$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

Right Touch, W_LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

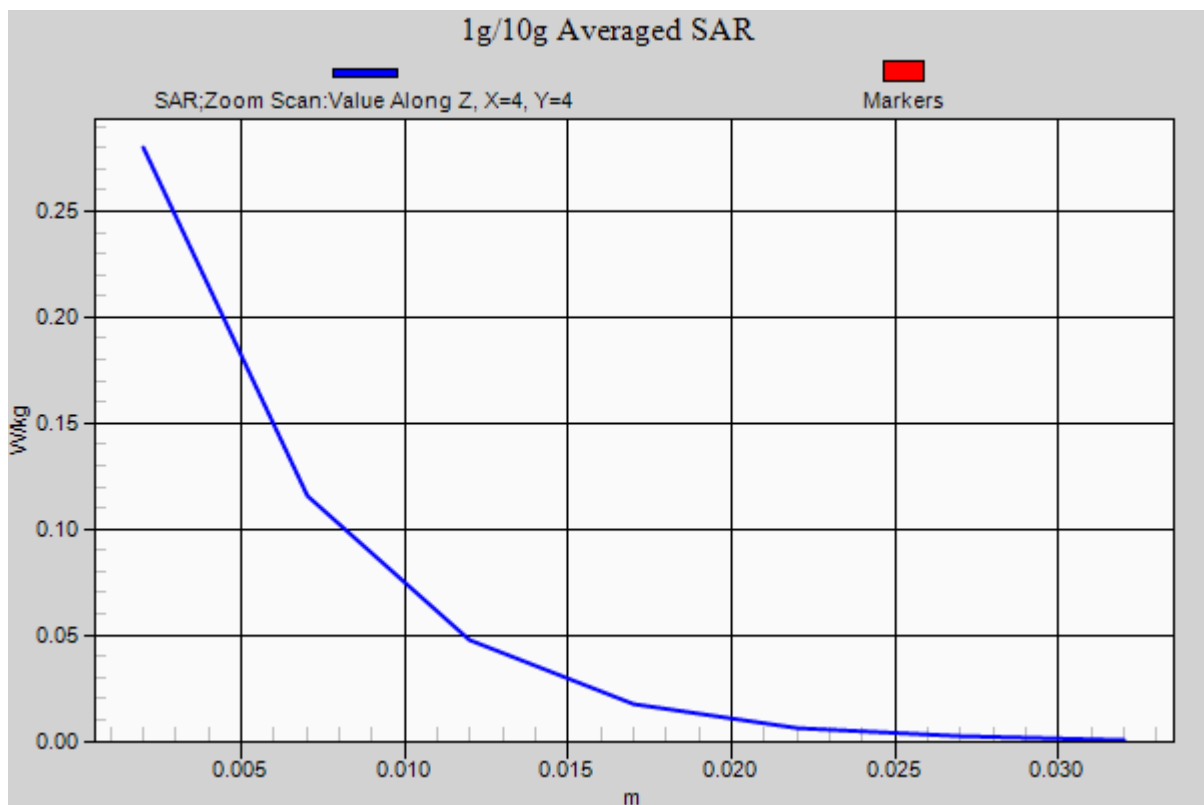
Area Scan (131x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.093 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Bottom, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

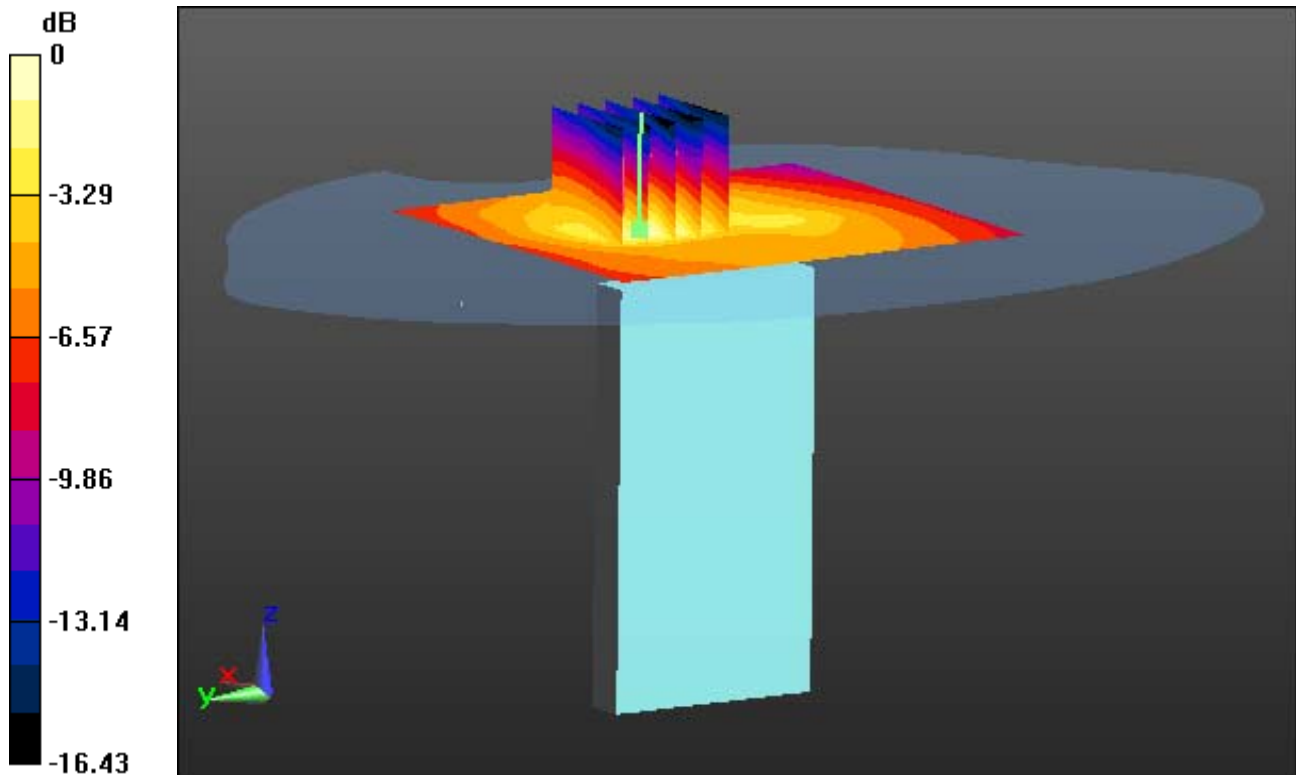
Area Scan (71x81x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.033 W/kg



0 dB = 0.0767 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Bottom, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

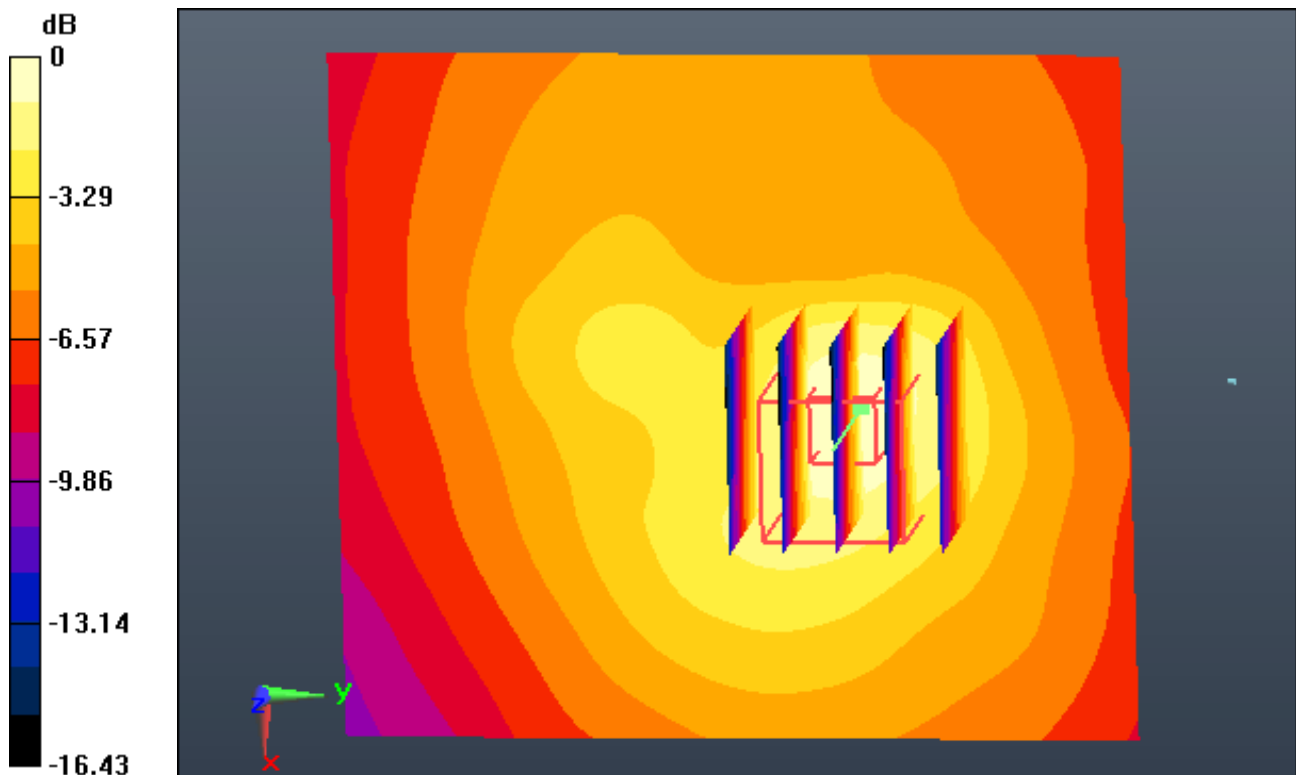
Area Scan (71x81x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.033 W/kg



0 dB = 0.0767 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Front, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

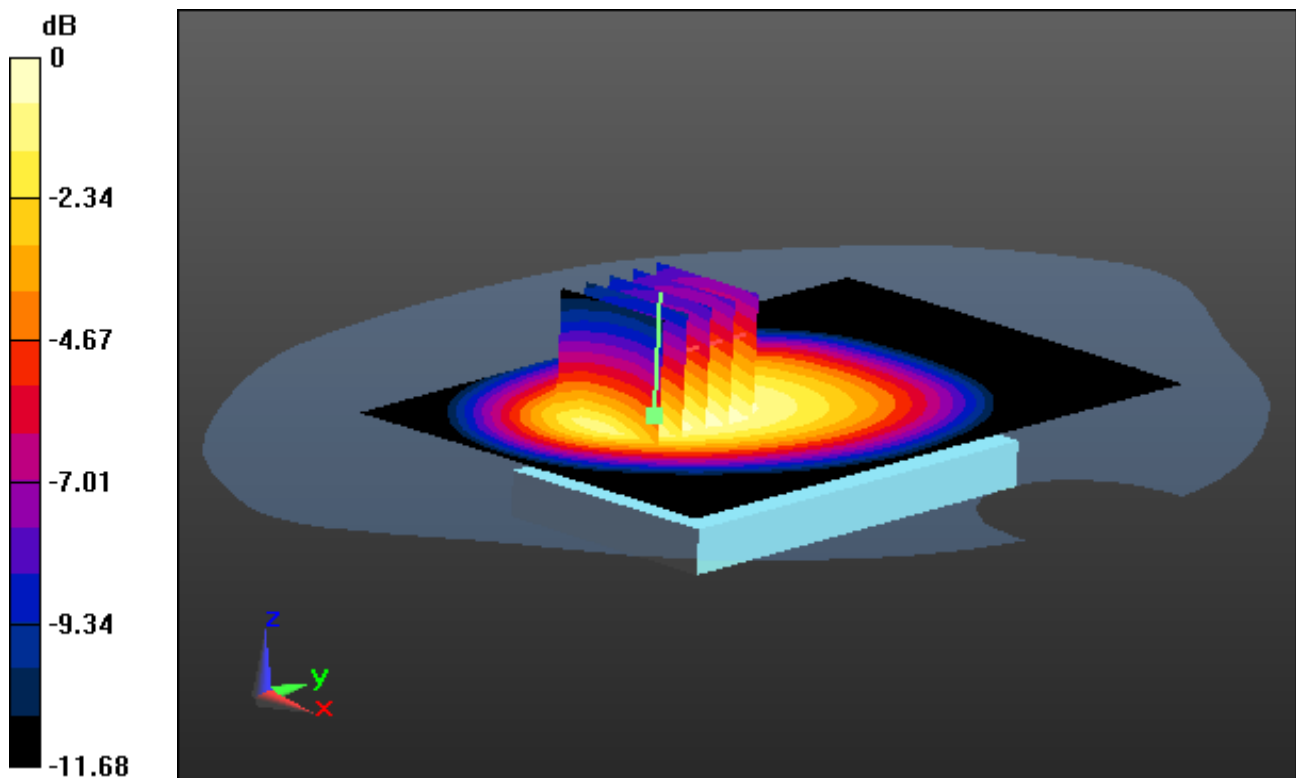
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.303 W/kg



0 dB = 0.506 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Front, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

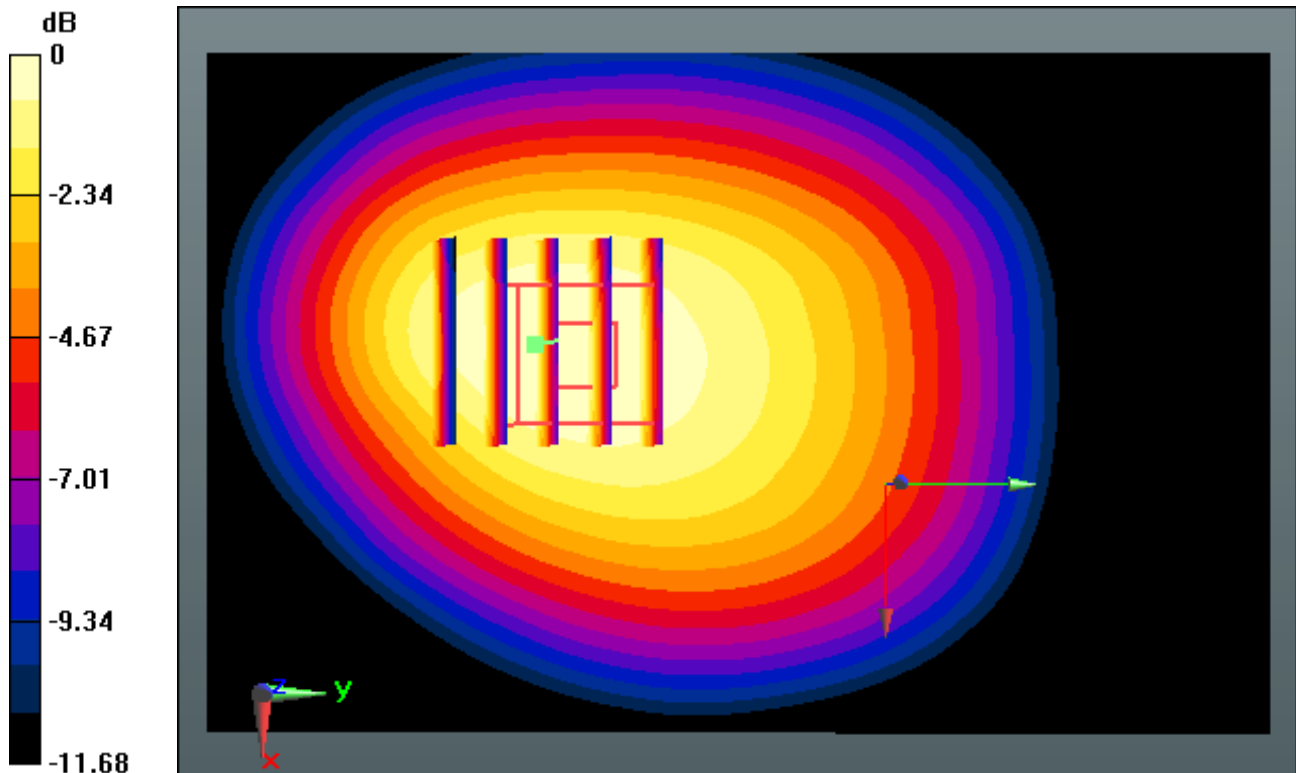
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.303 W/kg



0 dB = 0.506 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

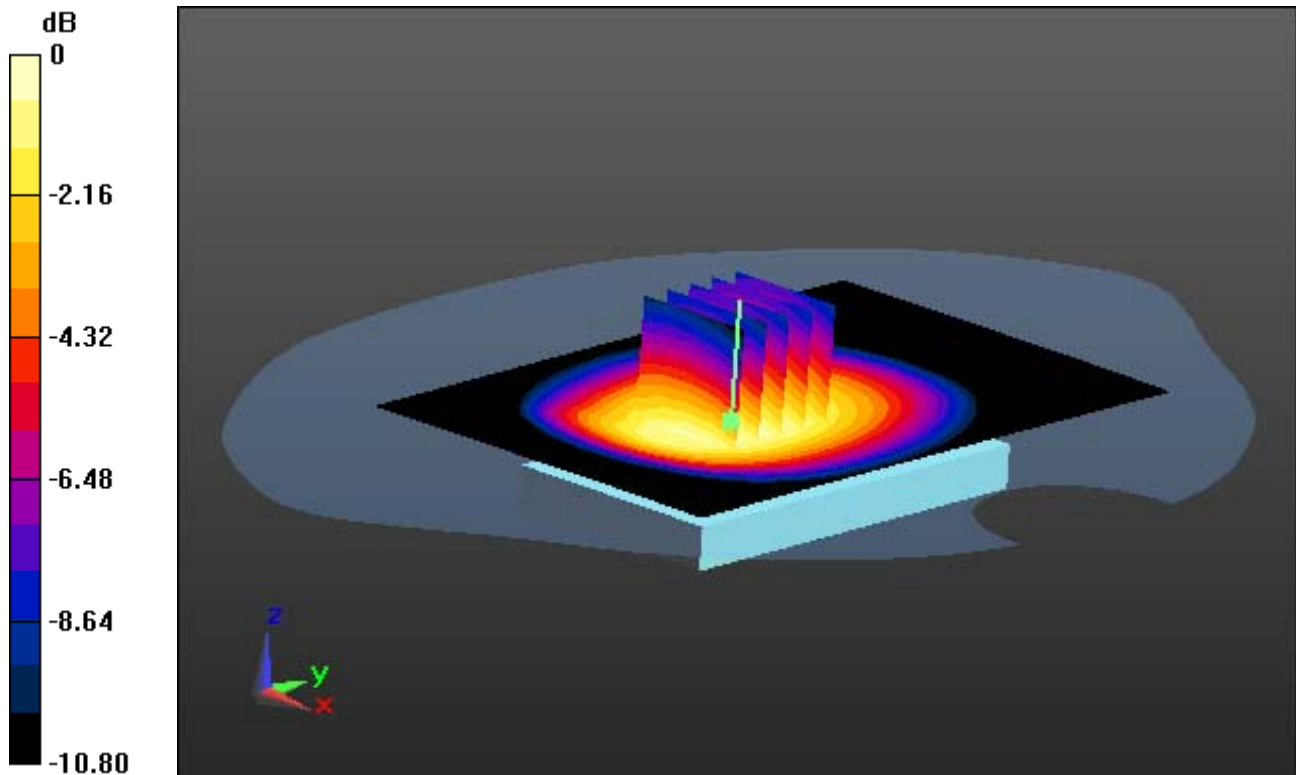
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.346 W/kg



0 dB = 0.589 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

With Enlarge plot image

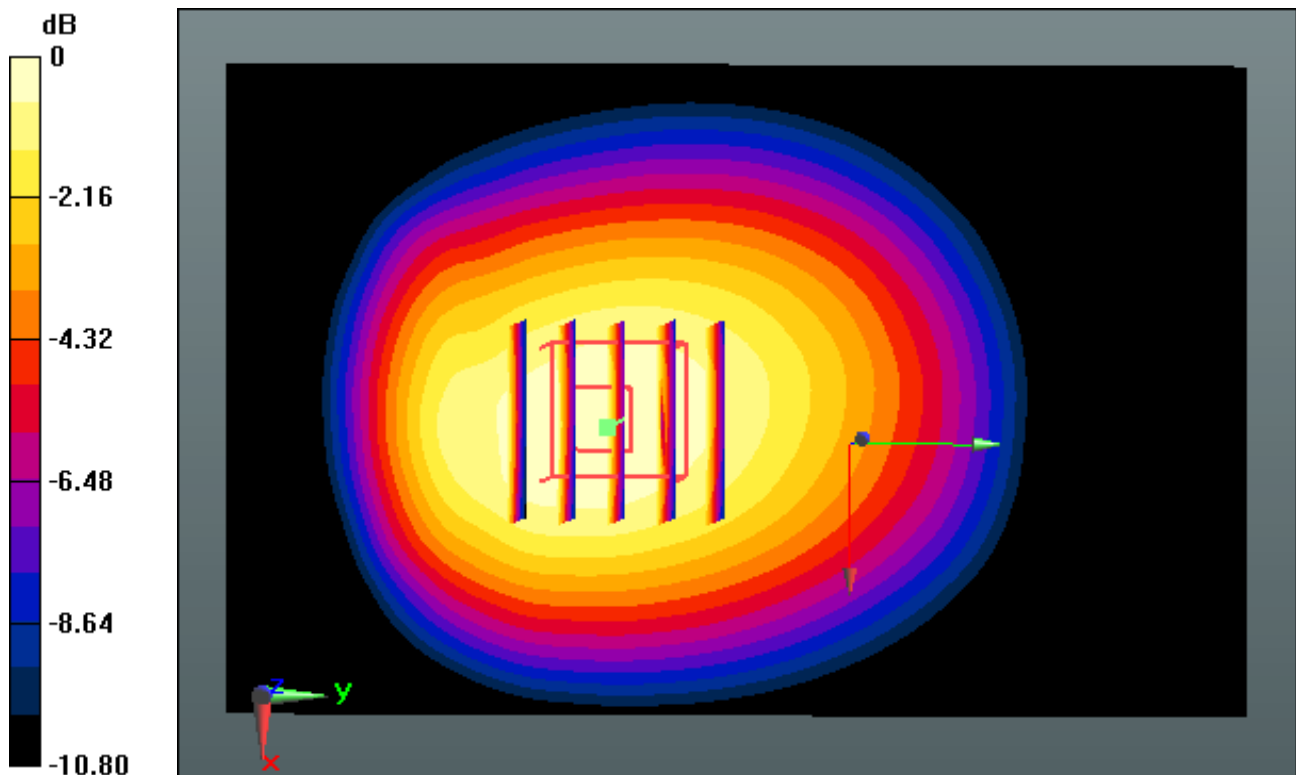
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.346 W/kg



0 dB = 0.589 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 1 Tx Ch. 190, Ant Internal

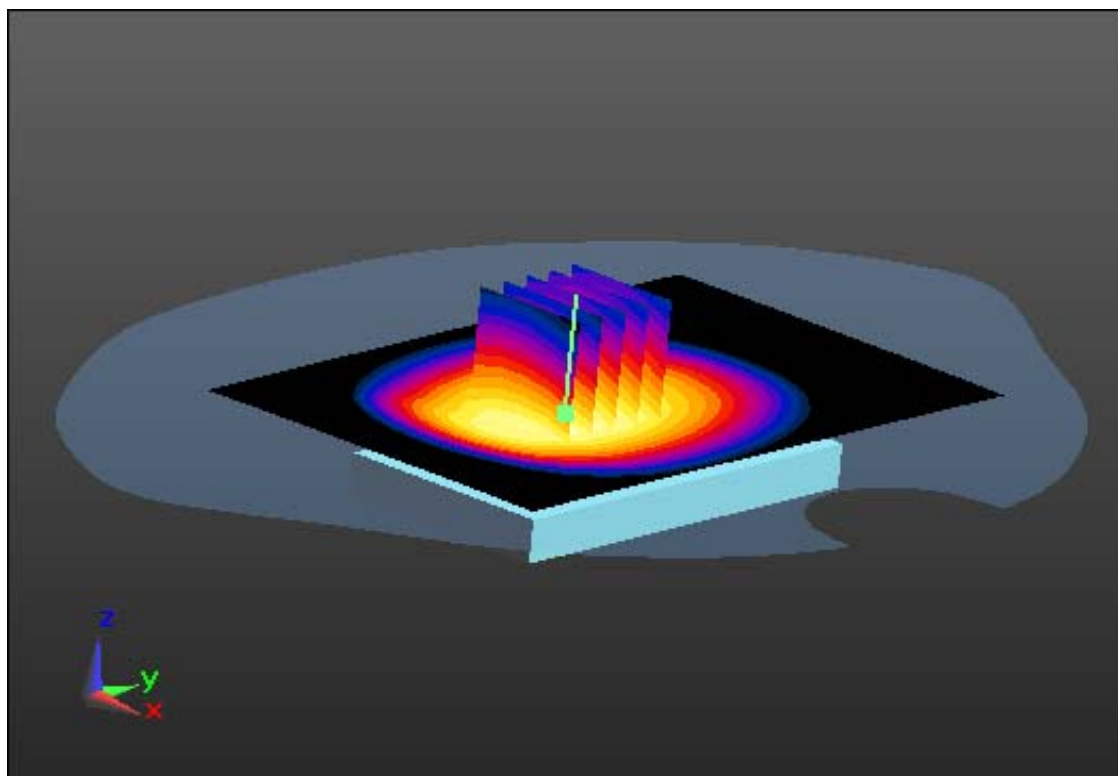
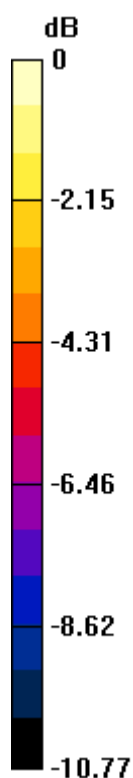
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.358 W/kg



0 dB = 0.594 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 1 Tx Ch. 190, Ant Internal

With Enlarge plot image

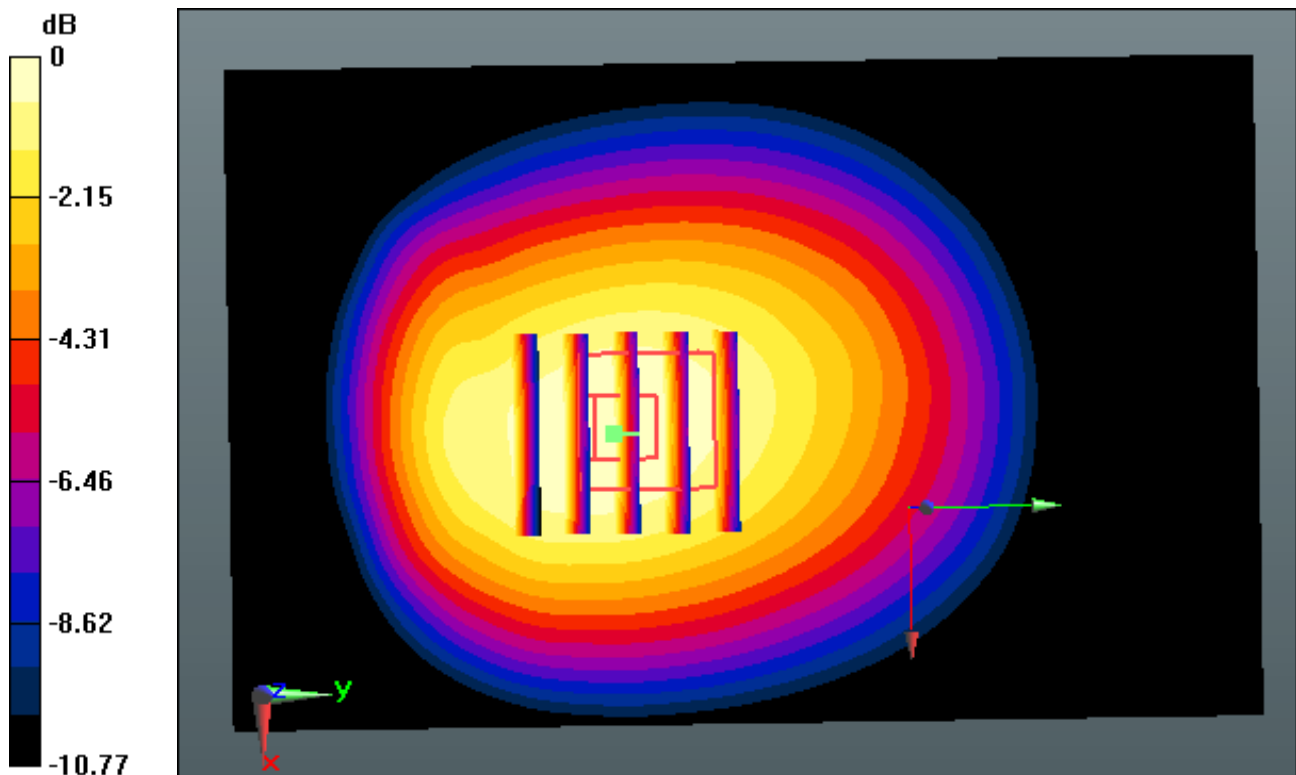
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.358 W/kg



0 dB = 0.594 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal

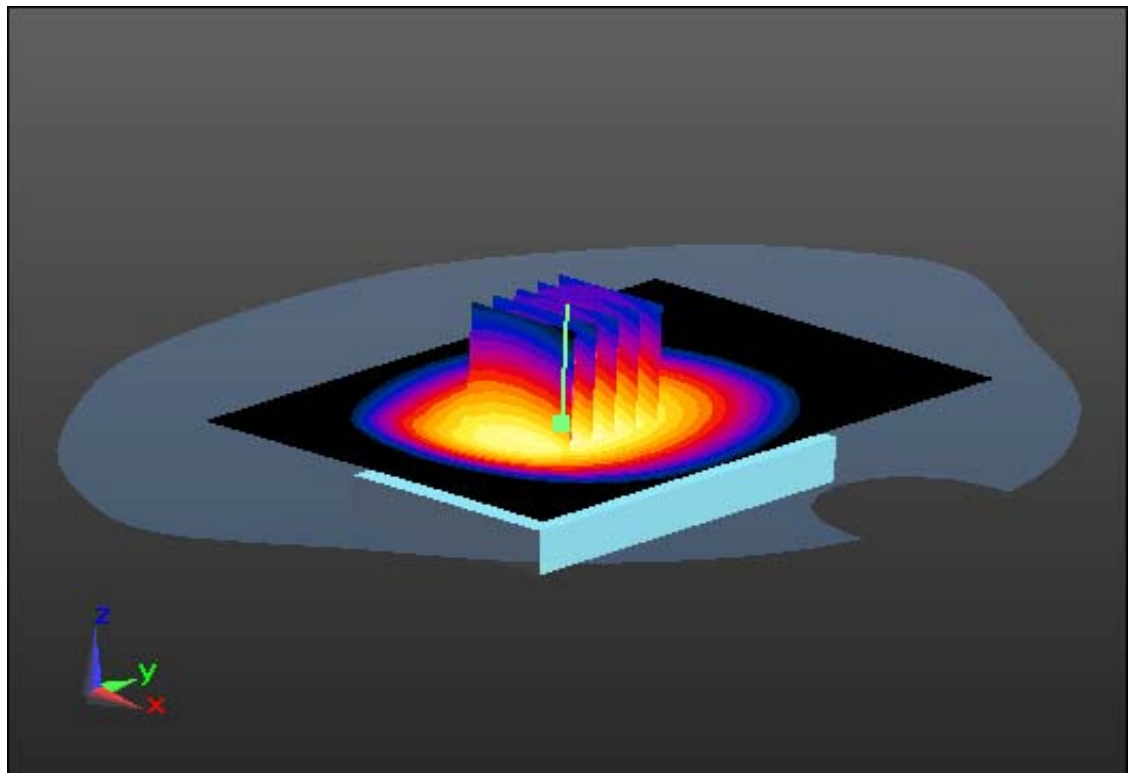
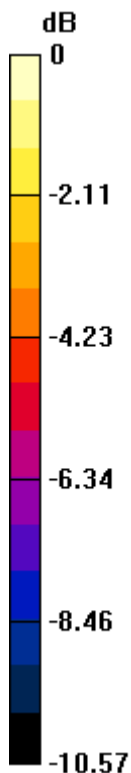
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.428 W/kg



0 dB = 0.708 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal

With Enlarge plot image

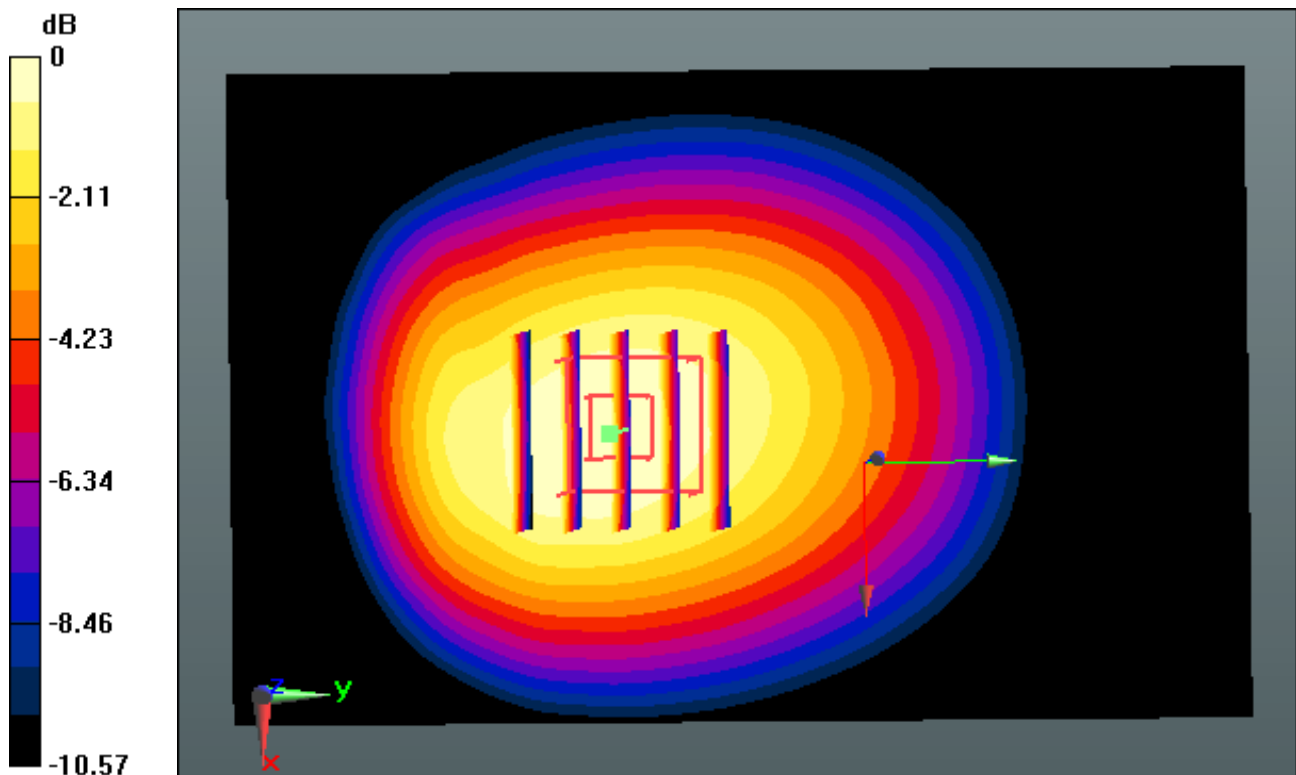
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.428 W/kg



0 dB = 0.708 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

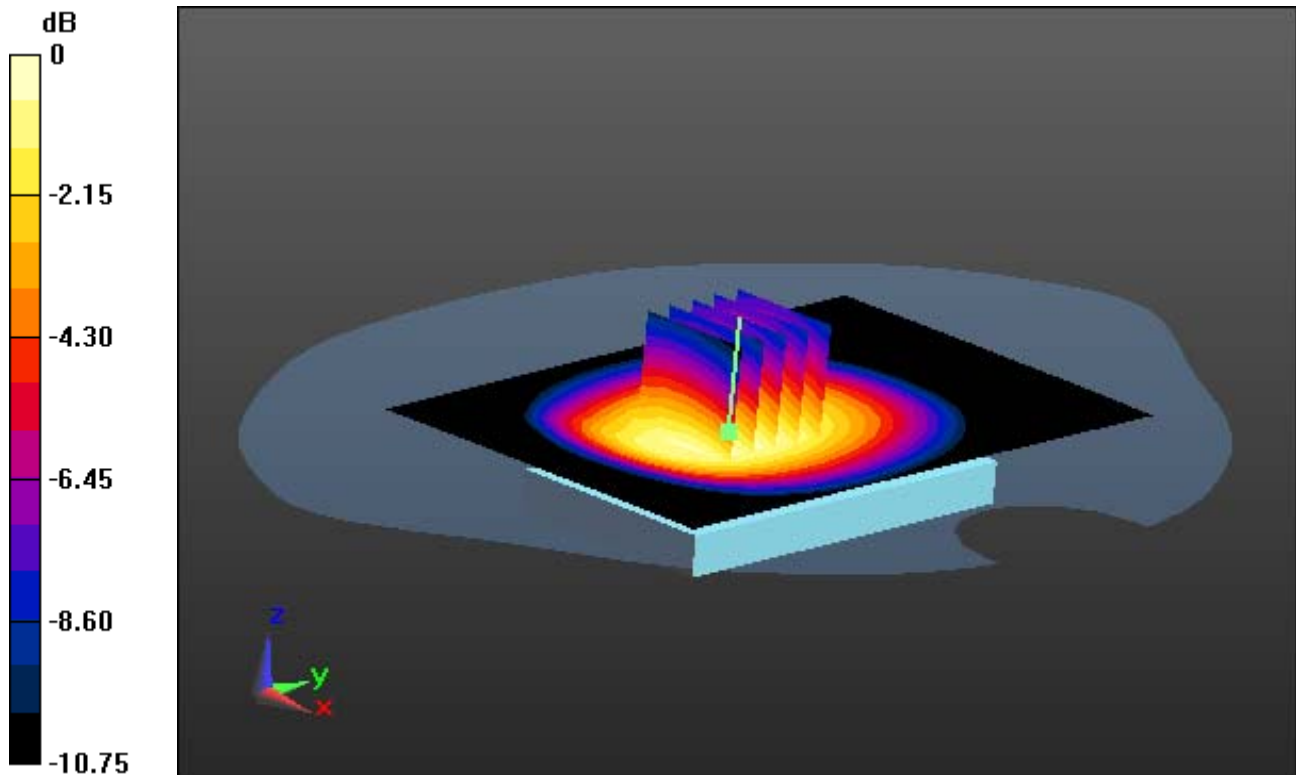
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.970 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.524 W/kg



0 dB = 0.863 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

With Enlarge plot image

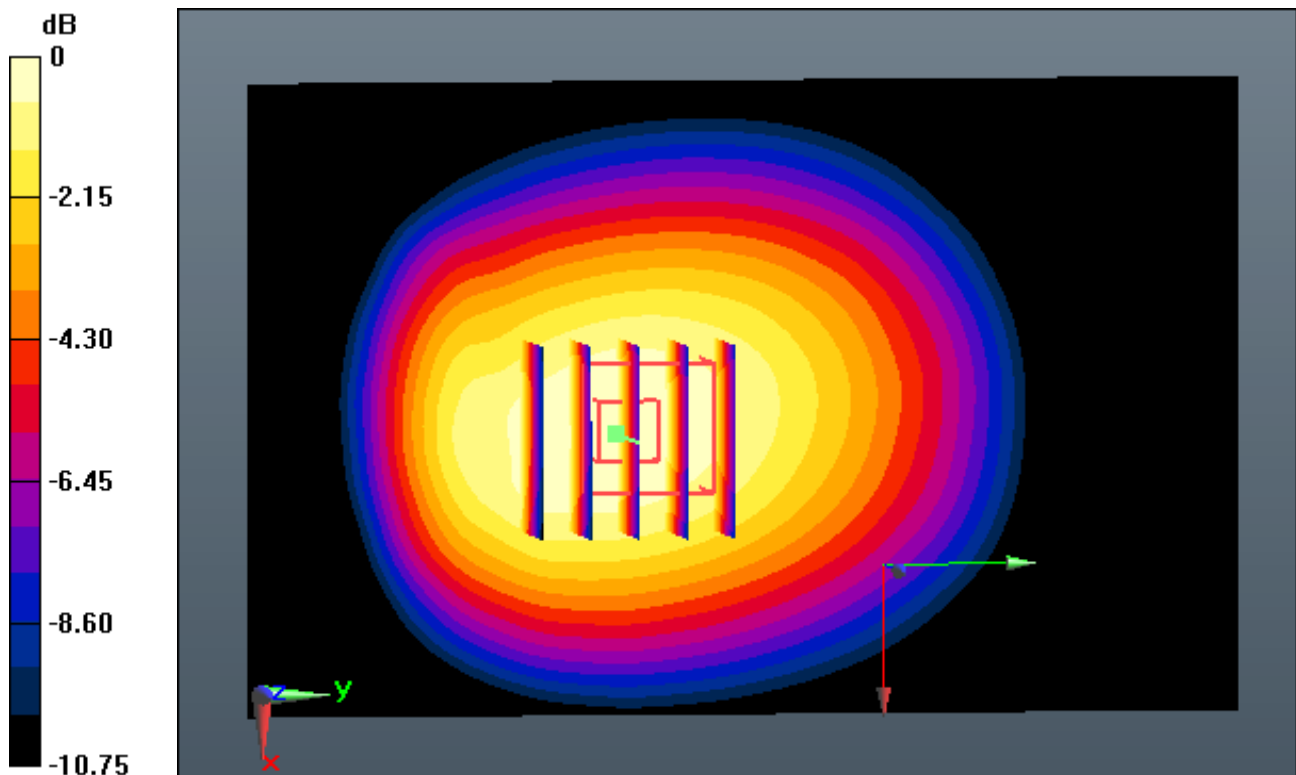
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.970 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.524 W/kg



0 dB = 0.863 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal

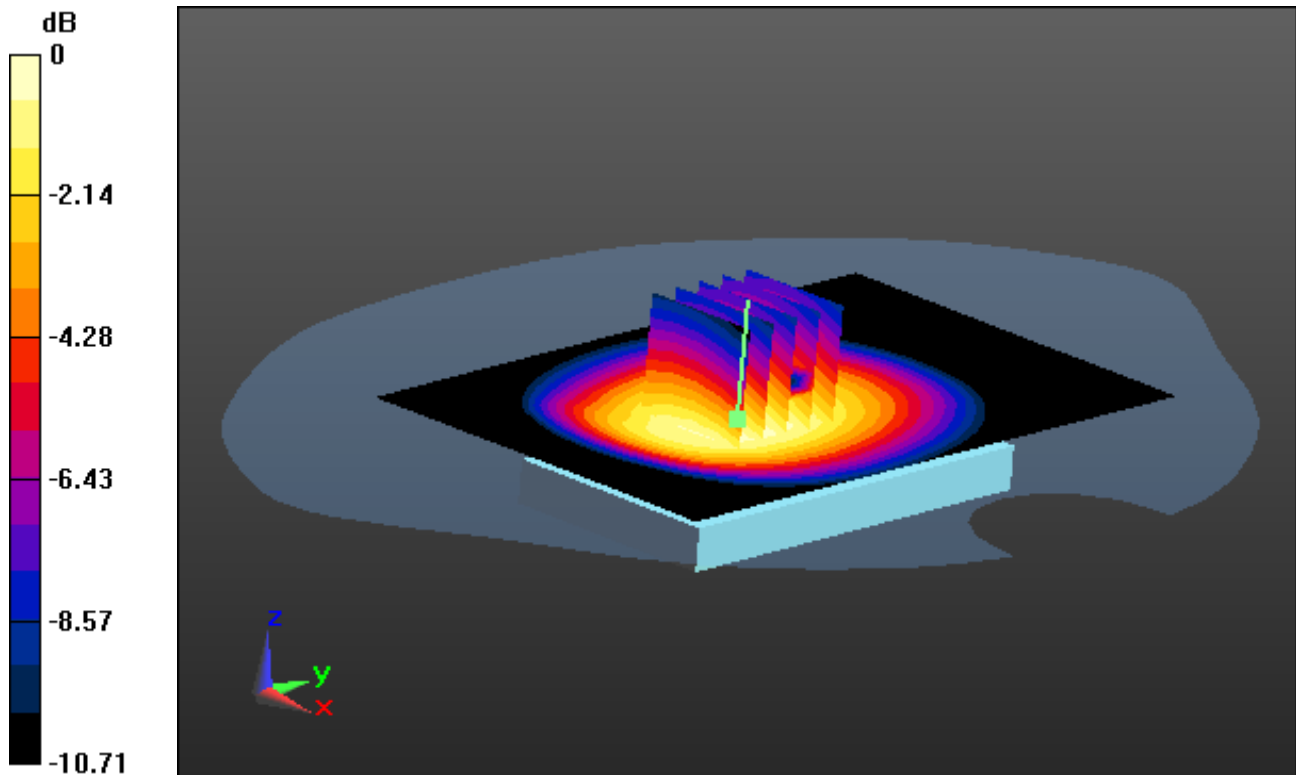
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.583 W/kg



0 dB = 0.982 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_10 (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal

With Enlarge plot image

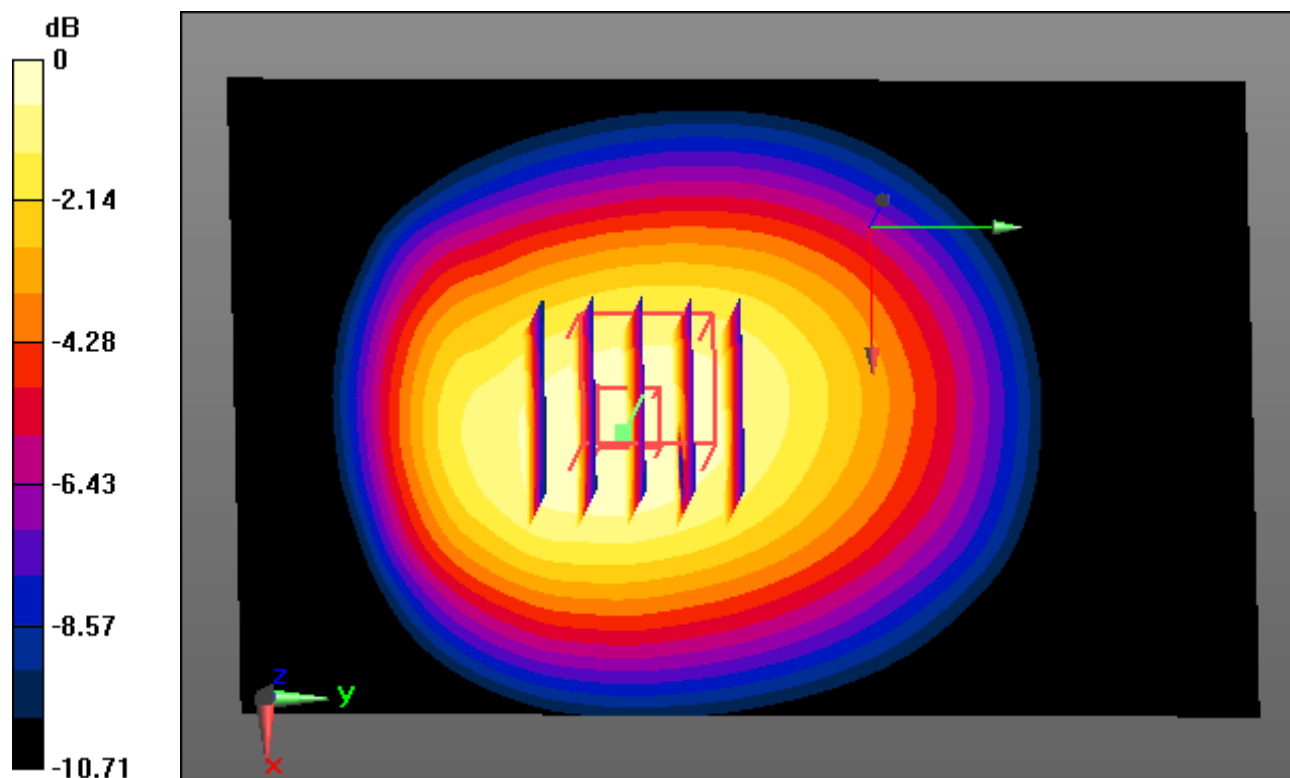
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.583 W/kg



0 dB = 0.982 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal

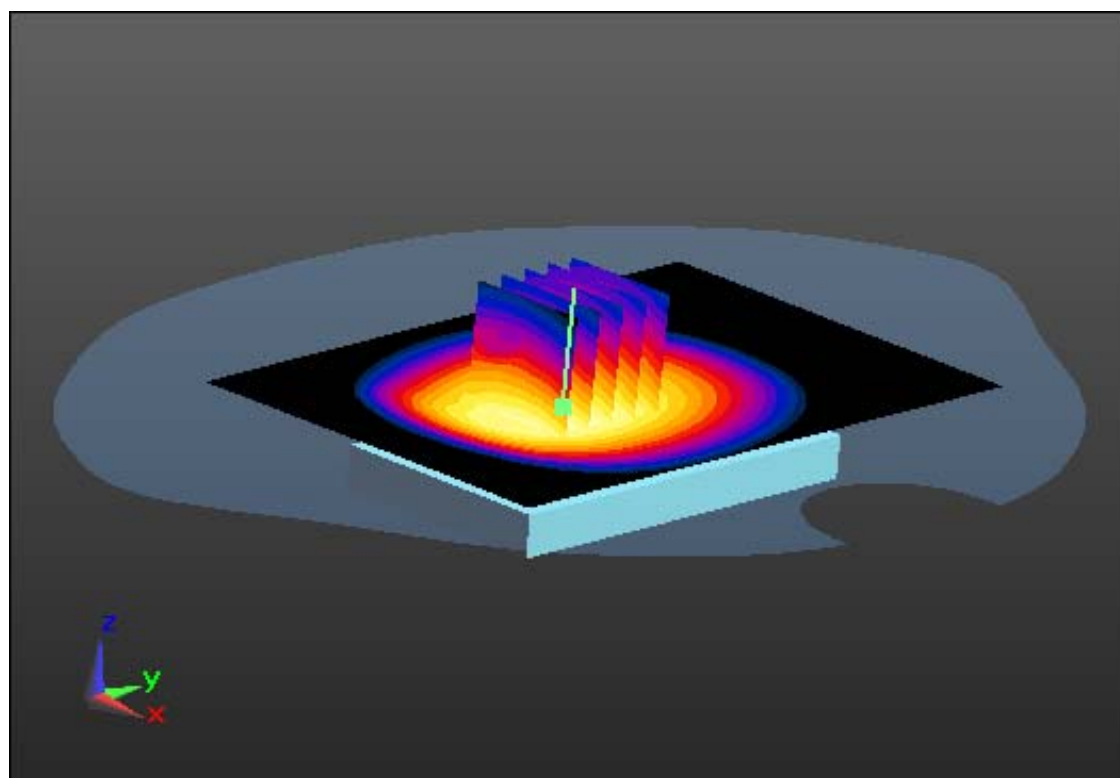
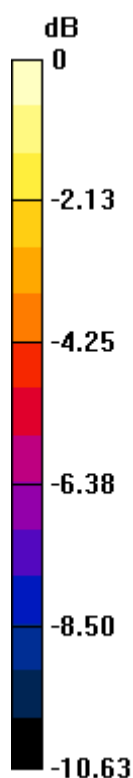
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.456 W/kg



0 dB = 0.754 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal

With Enlarge plot image

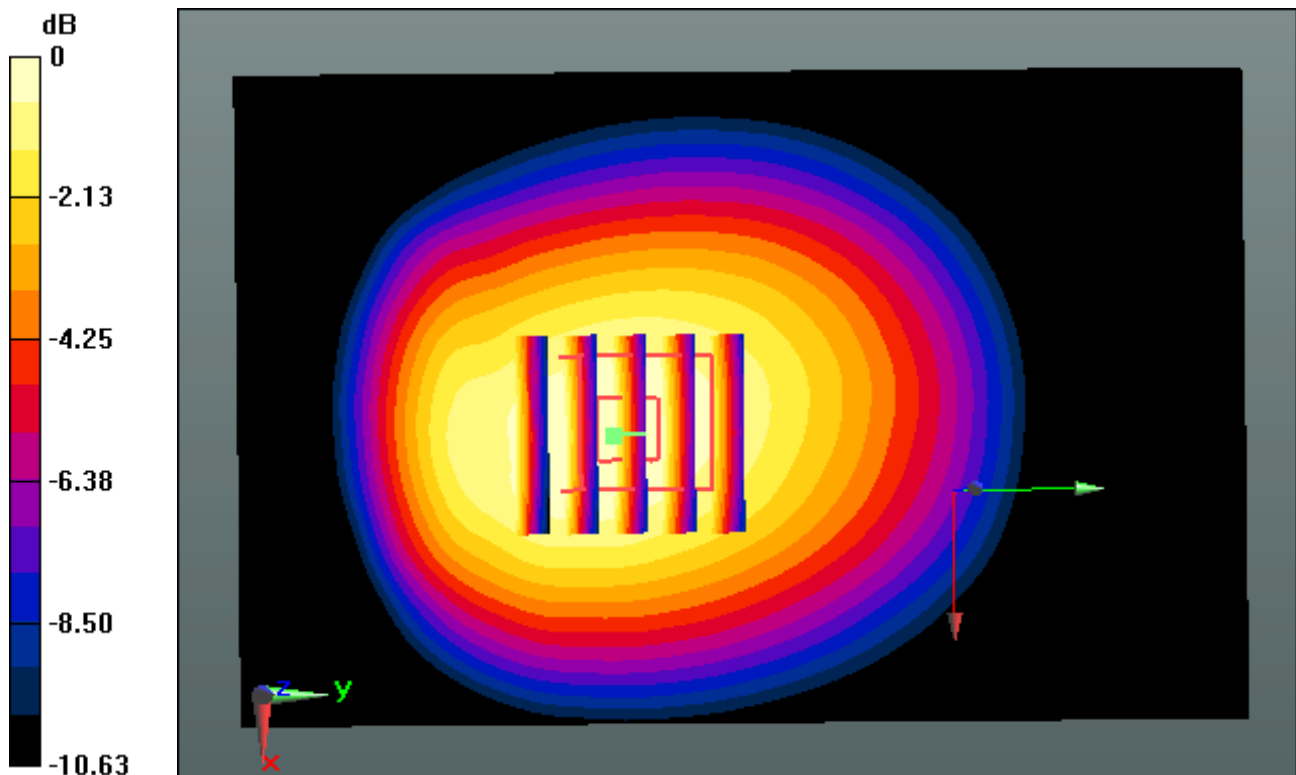
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.456 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal

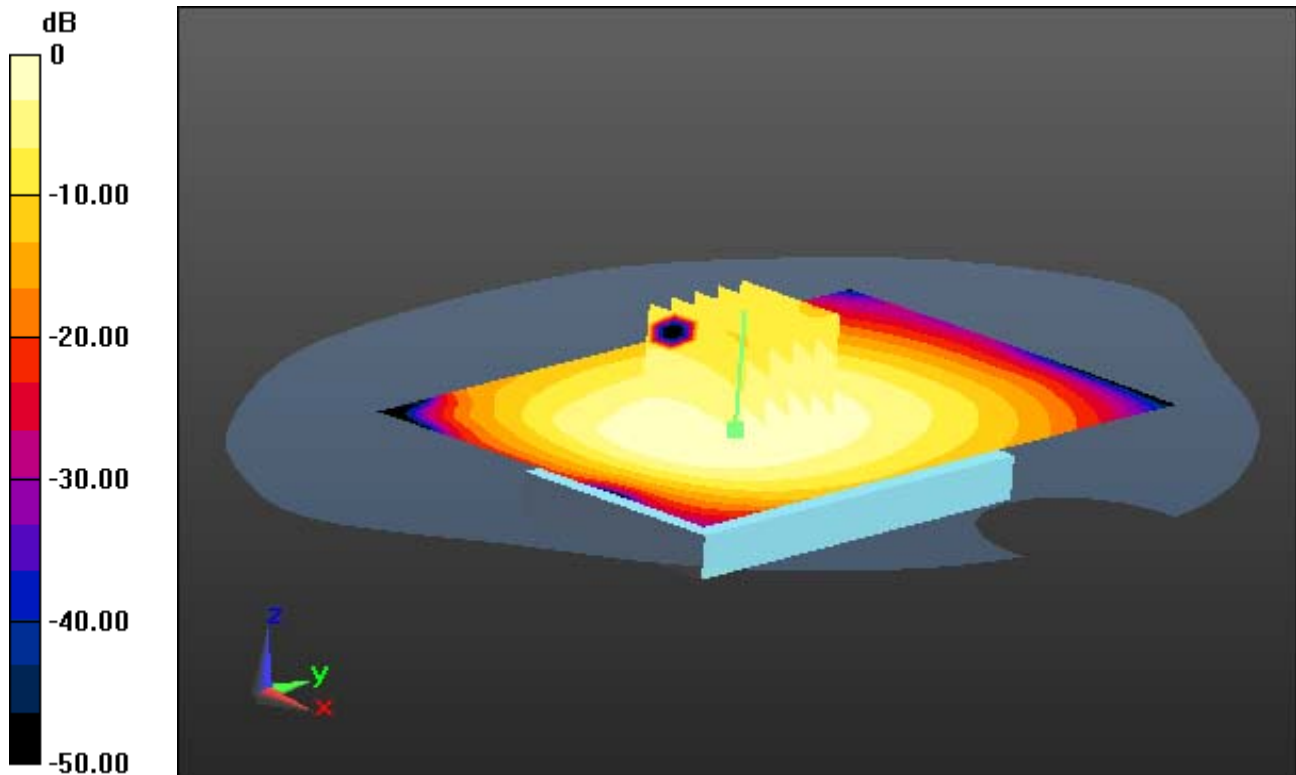
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.535 W/kg



0 dB = 0.894 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal

With Enlarge plot image

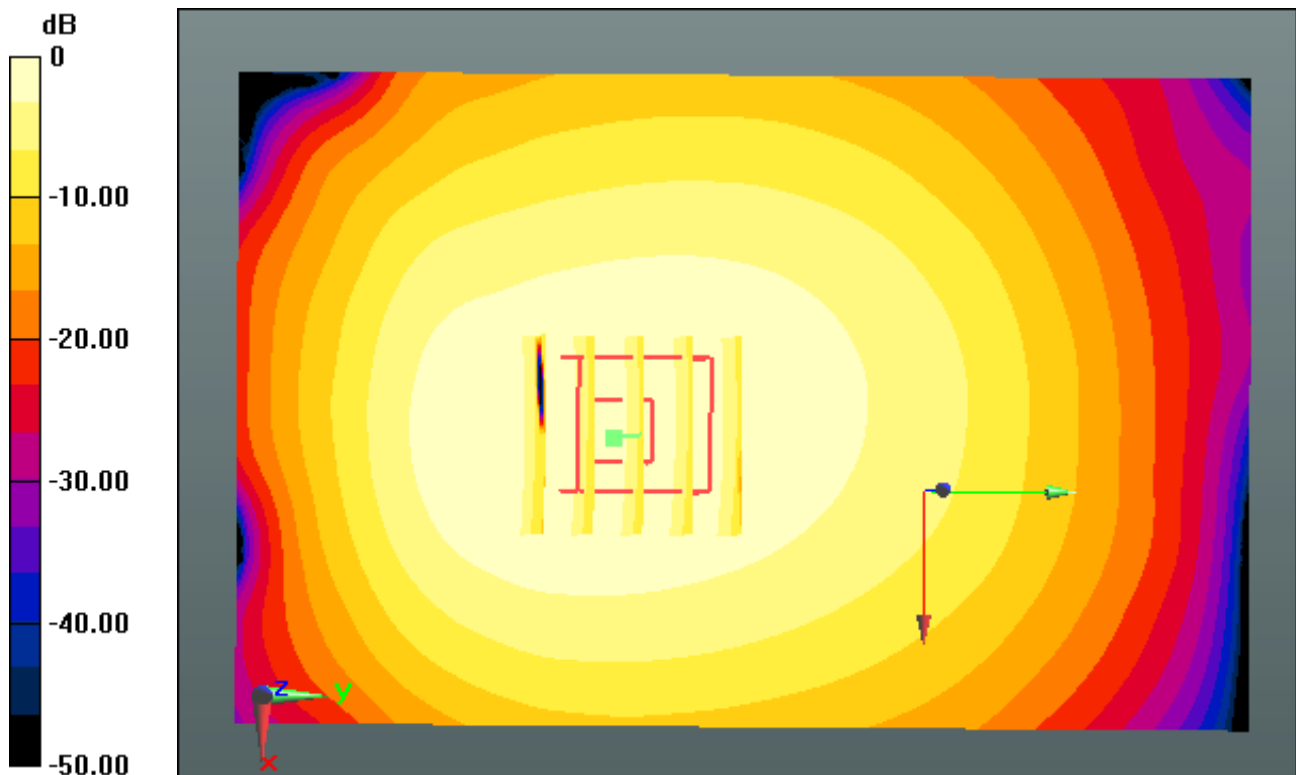
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.535 W/kg



0 dB = 0.894 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal

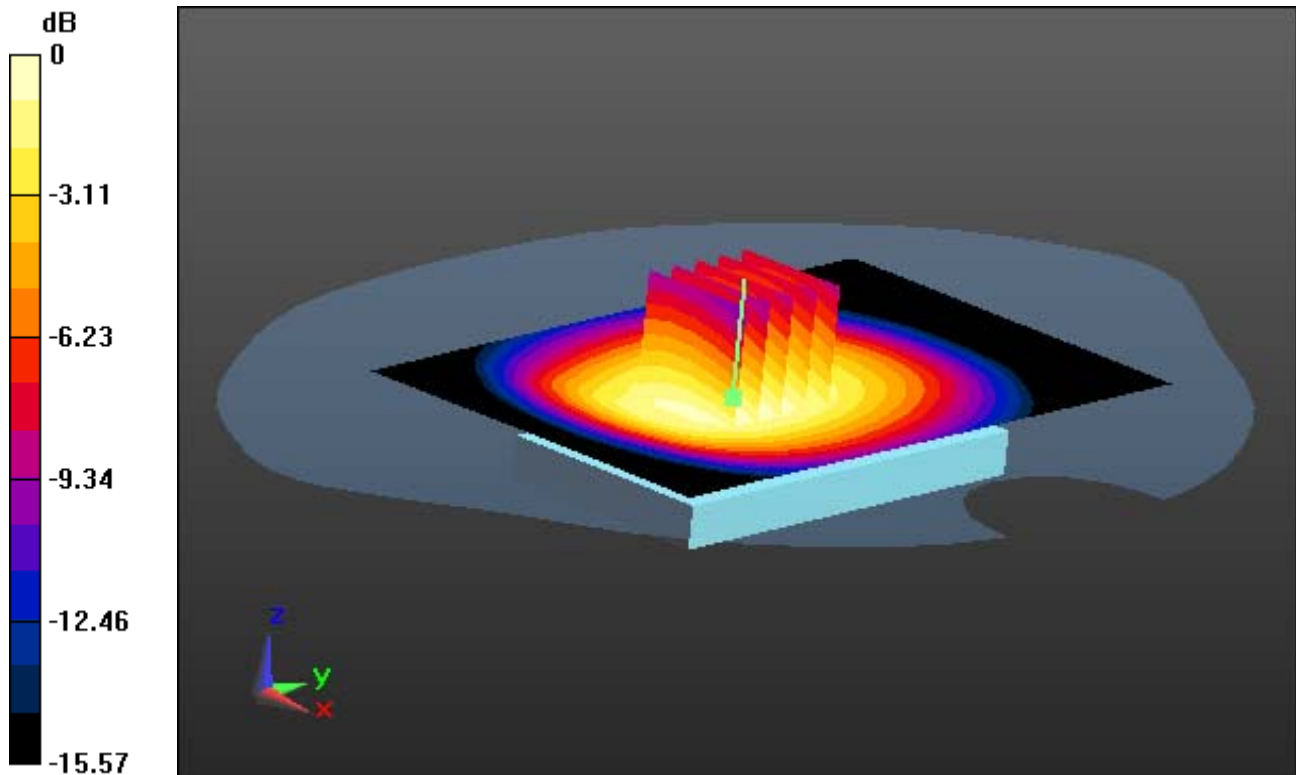
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.642 W/kg



0 dB = 1.06 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal

With Enlarge plot image

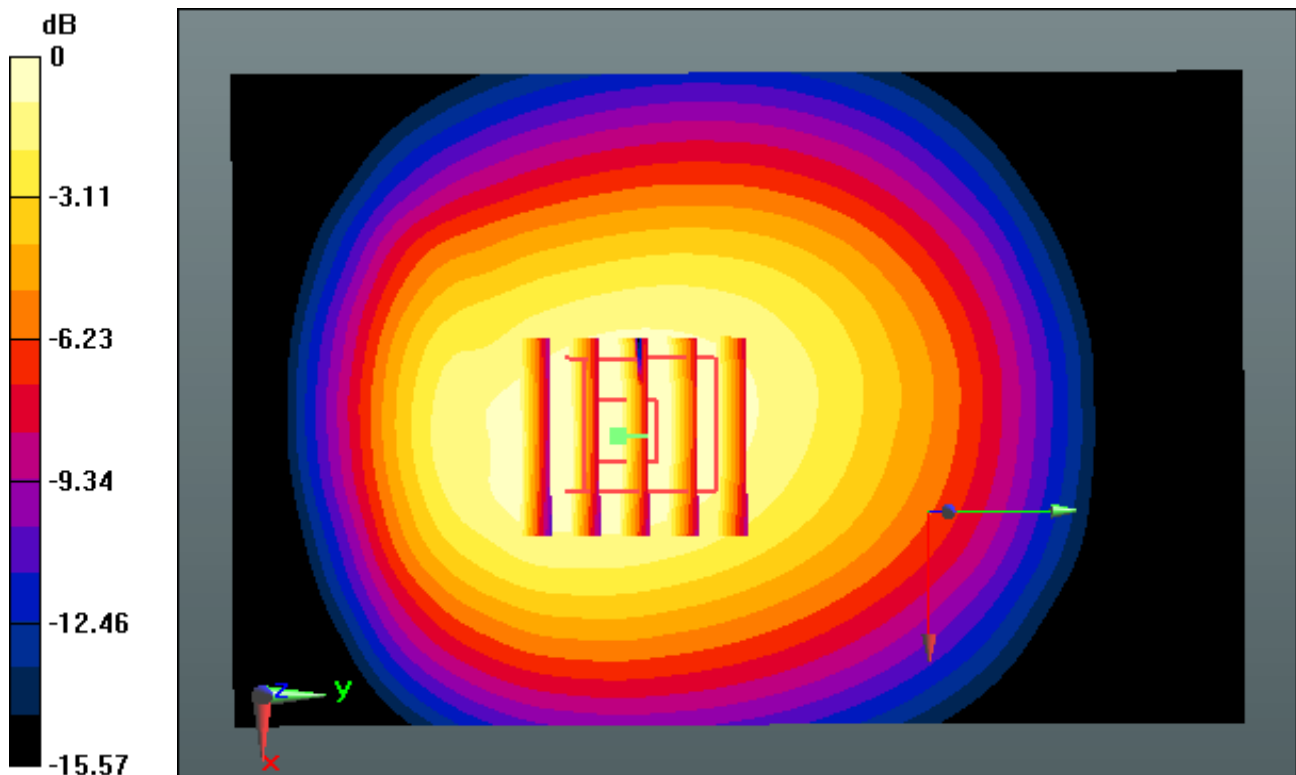
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.642 W/kg



0 dB = 1.06 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal

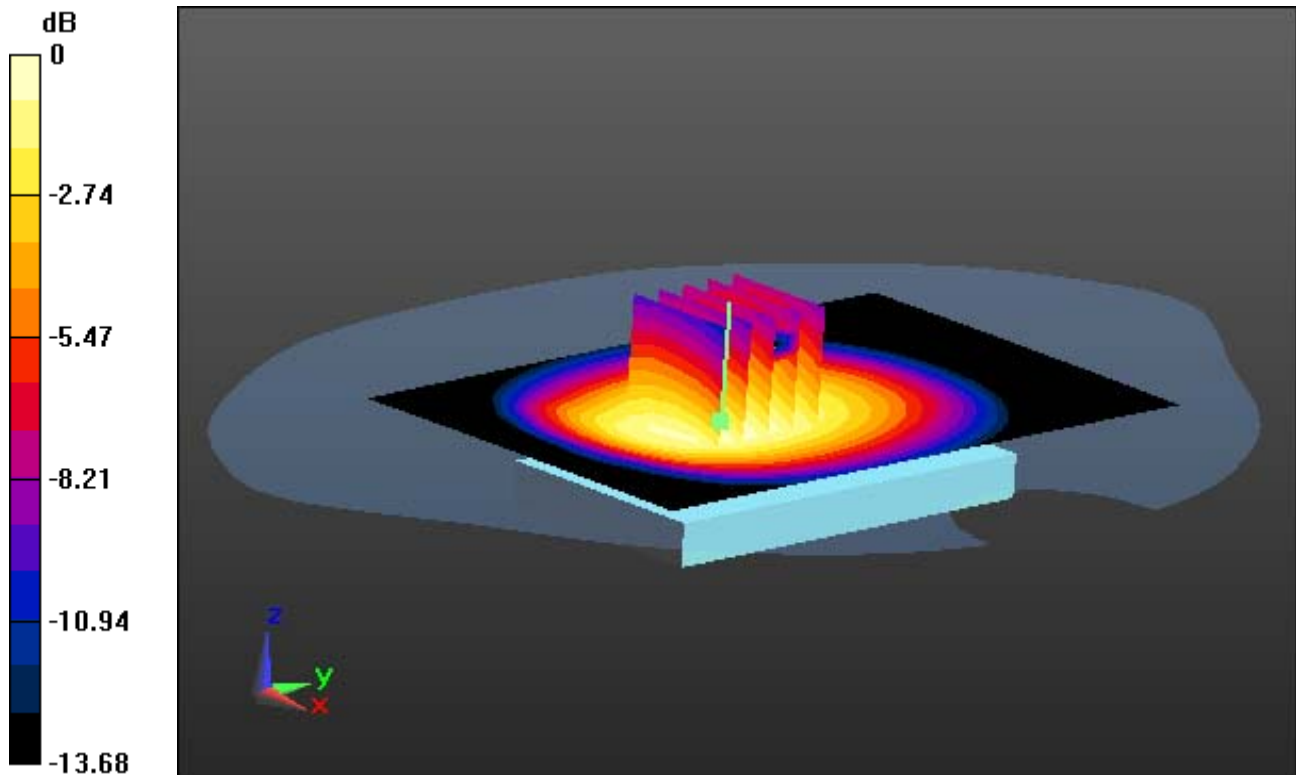
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.539 W/kg



0 dB = 0.898 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal

With Enlarge plot image

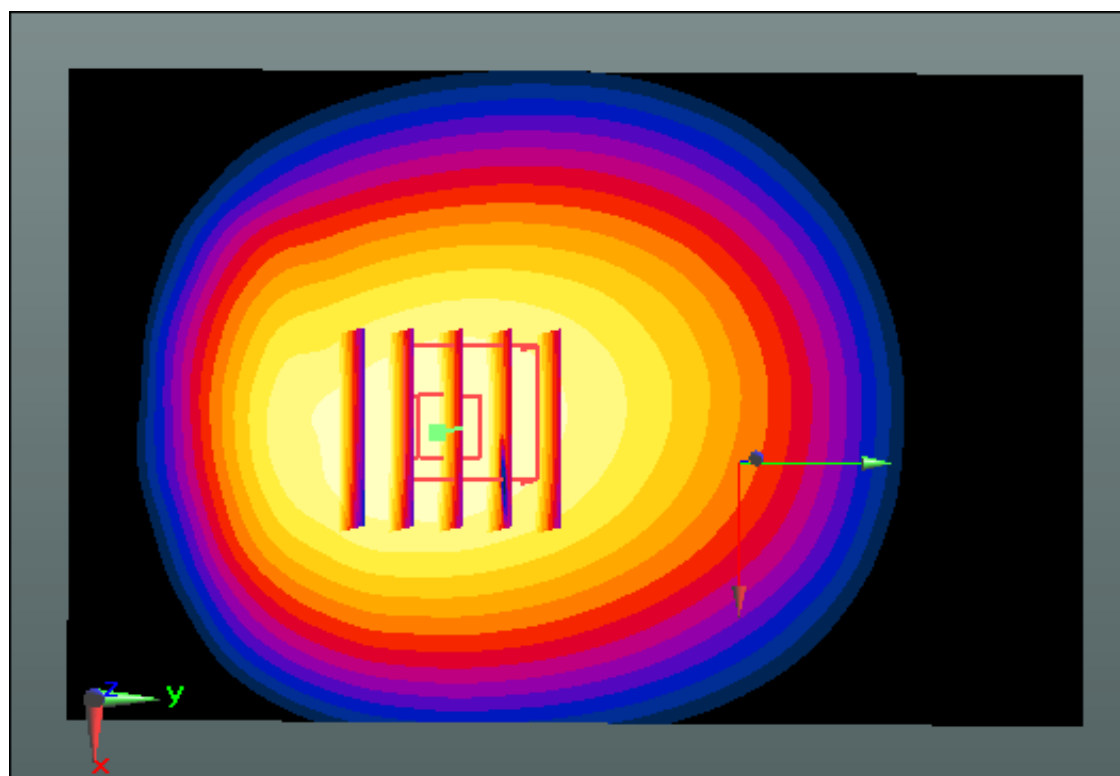
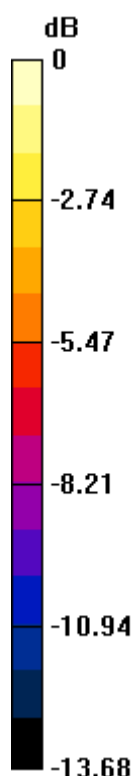
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.539 W/kg



0 dB = 0.898 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

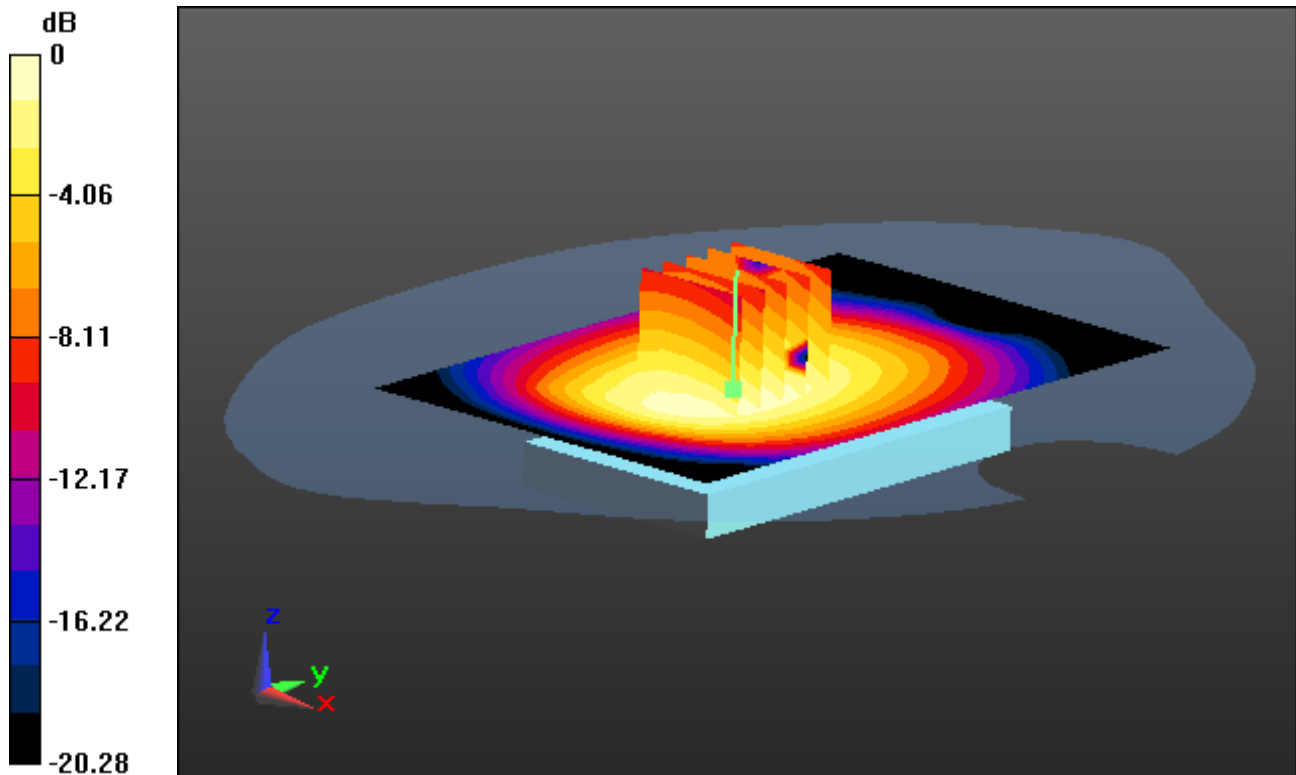
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.608 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

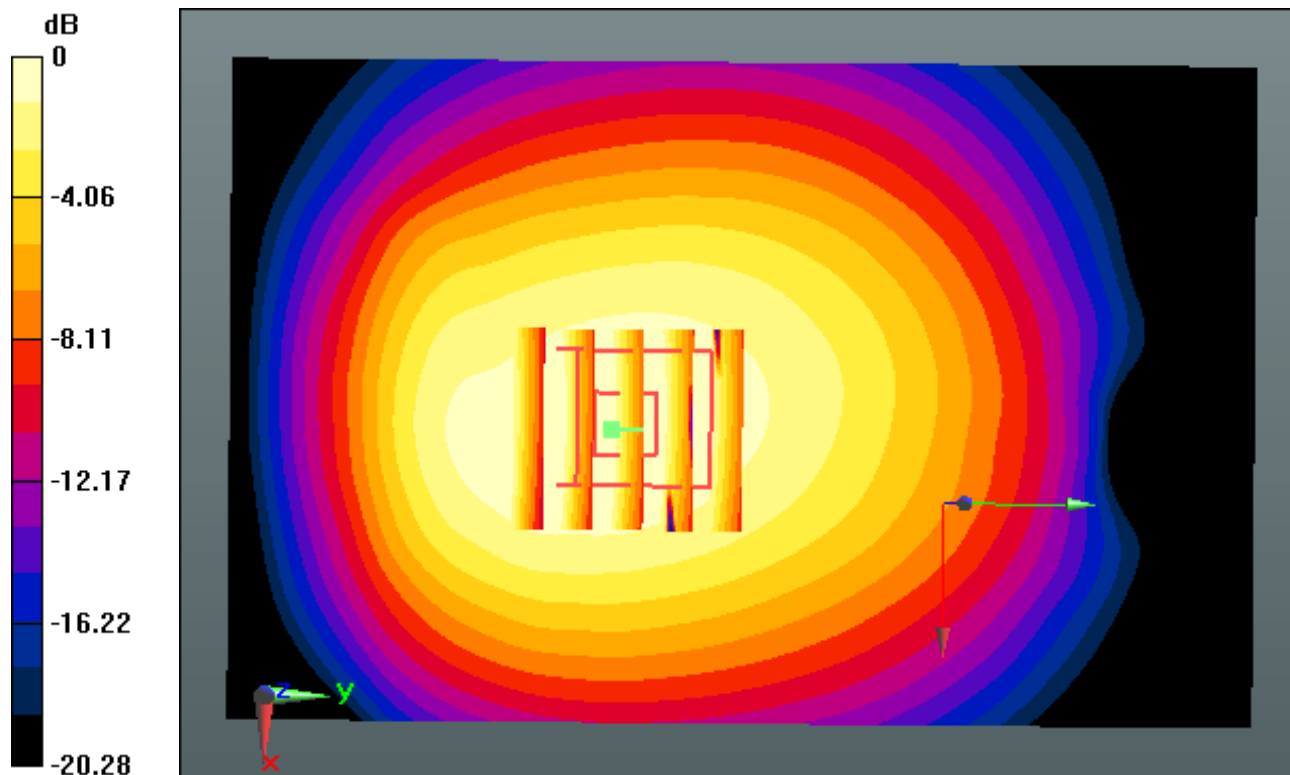
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.608 W/kg



0 dB = 1.01 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 53.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

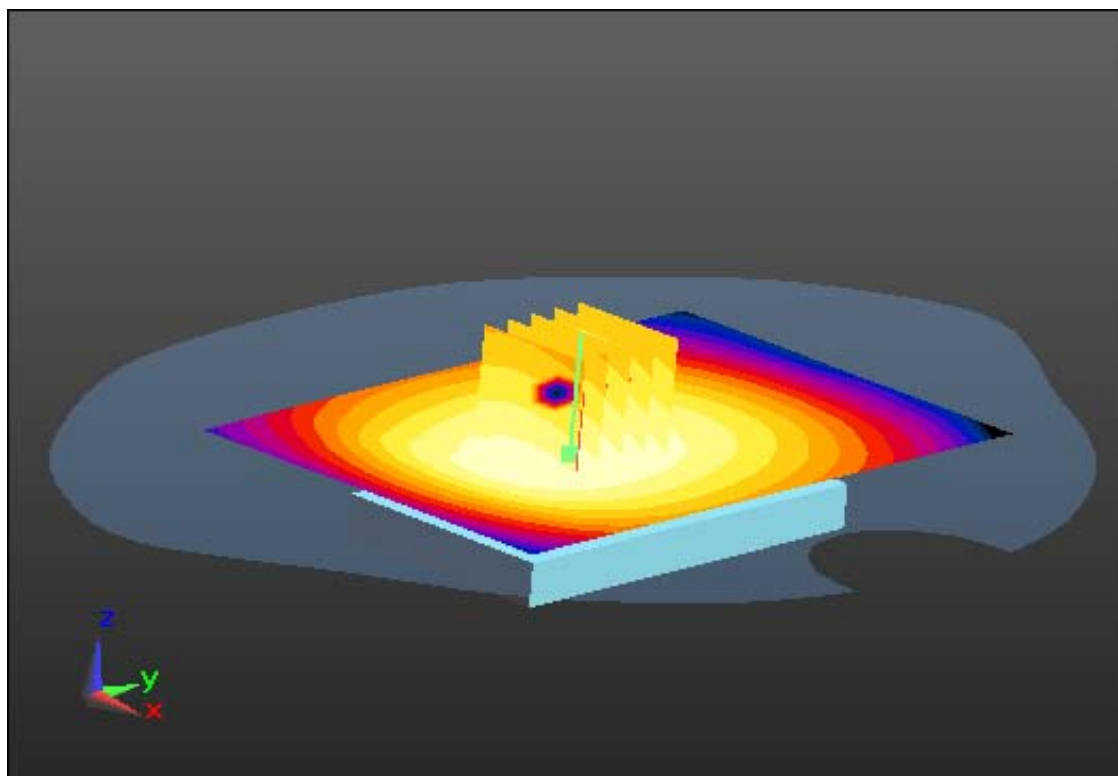
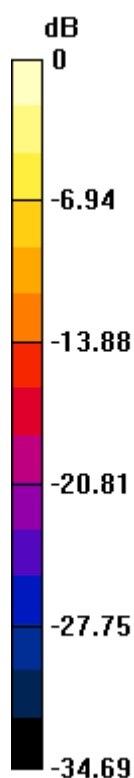
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.680 W/kg



0 dB = 1.12 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 53.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

With Enlarge plot image

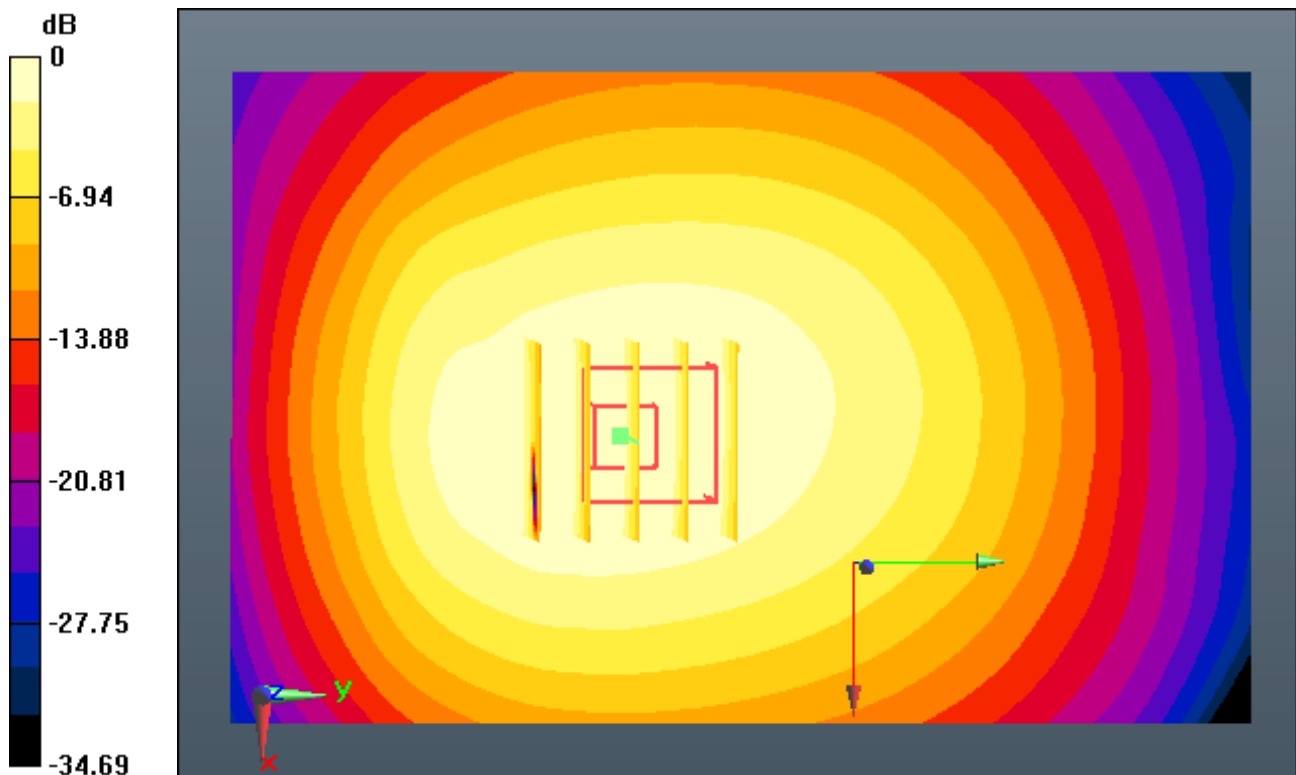
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.680 W/kg



0 dB = 1.12 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Right, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

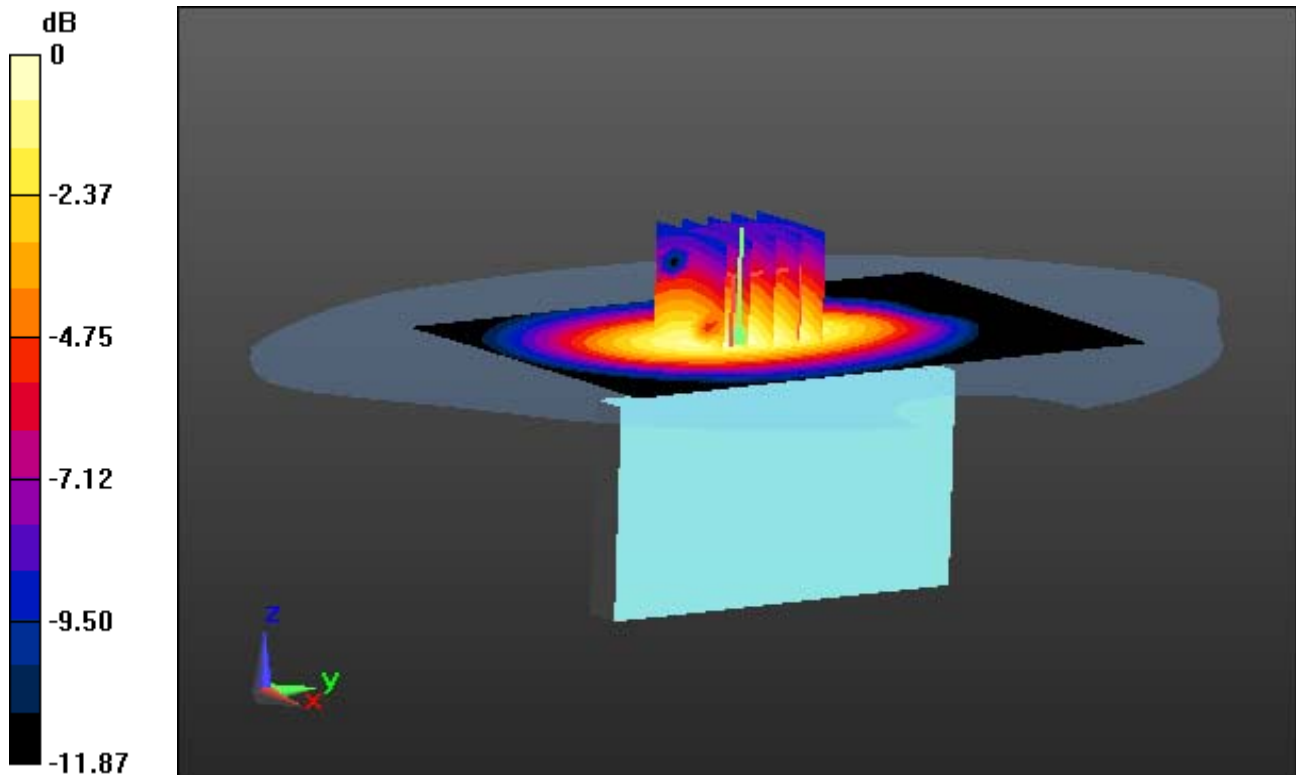
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.257 W/kg



0 dB = 0.460 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Right, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

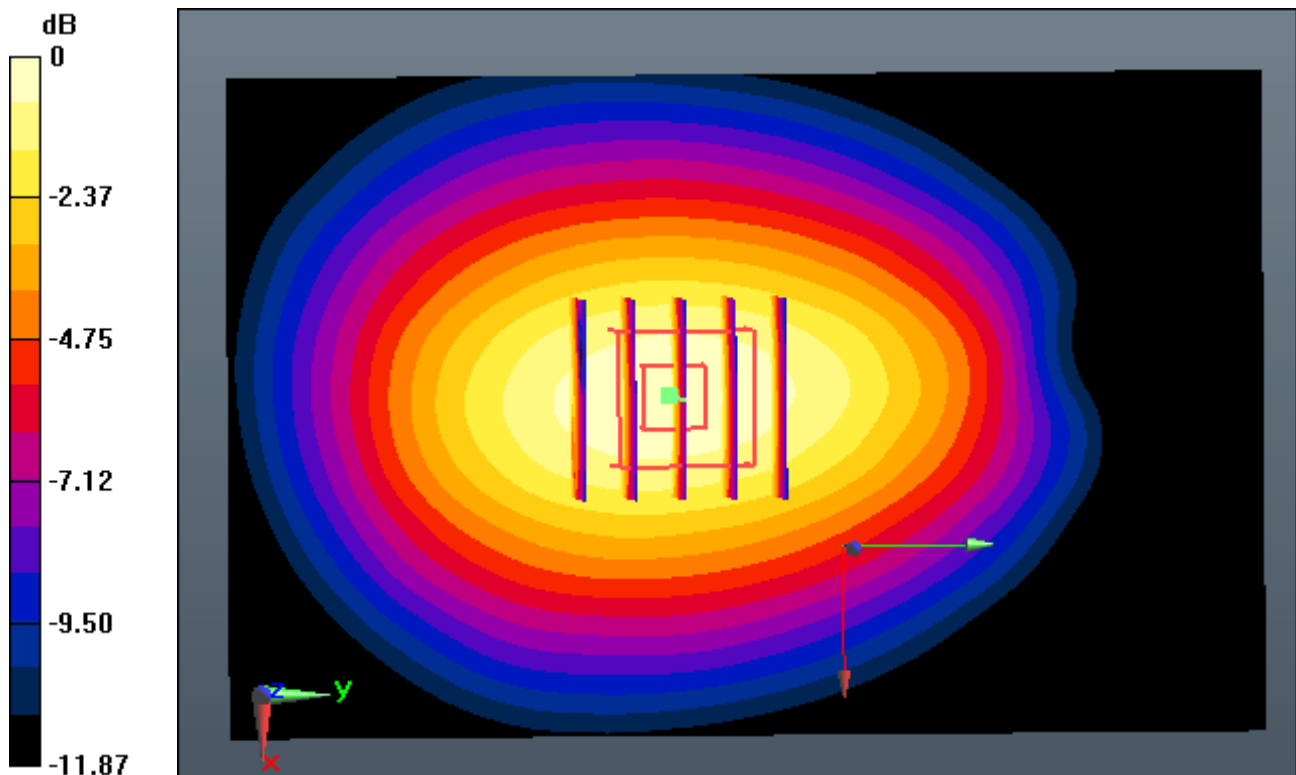
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.257 W/kg



0 dB = 0.460 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.636$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Left, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

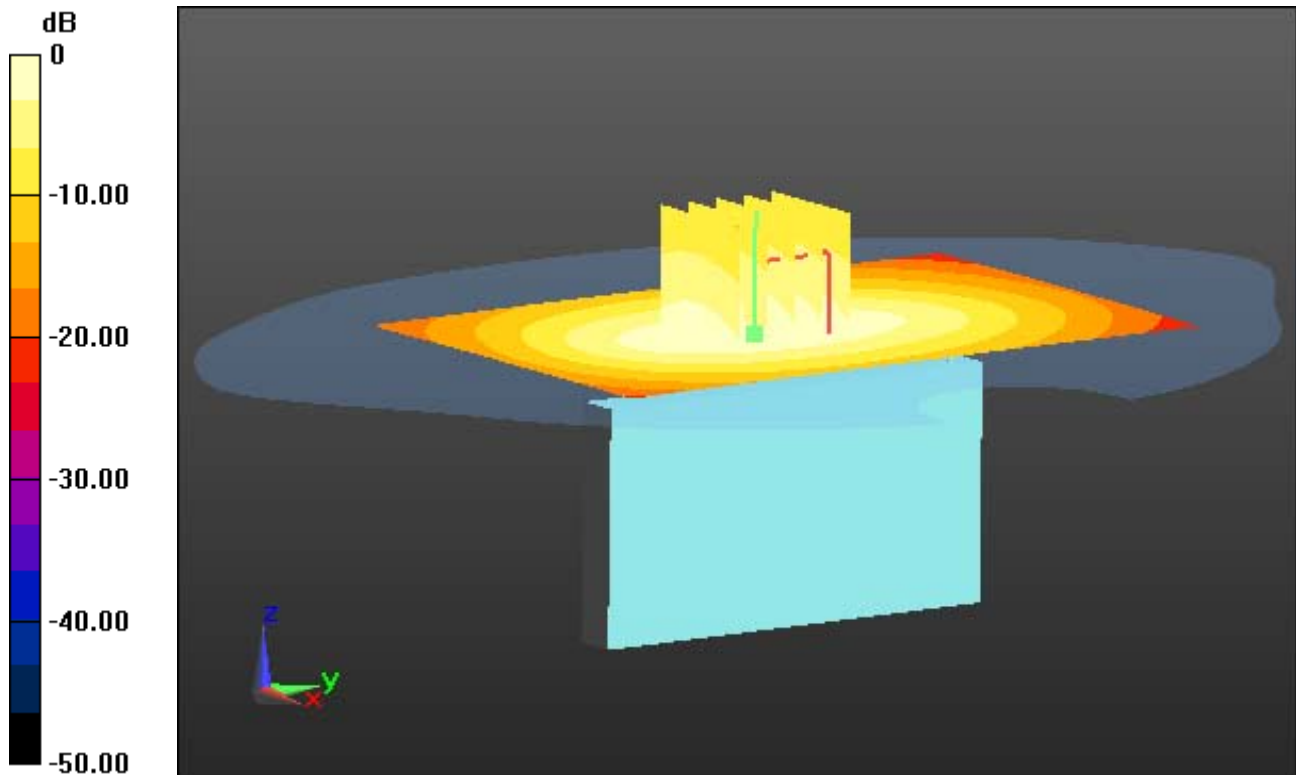
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.323 W/kg



0 dB = 0.582 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 53.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Left, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

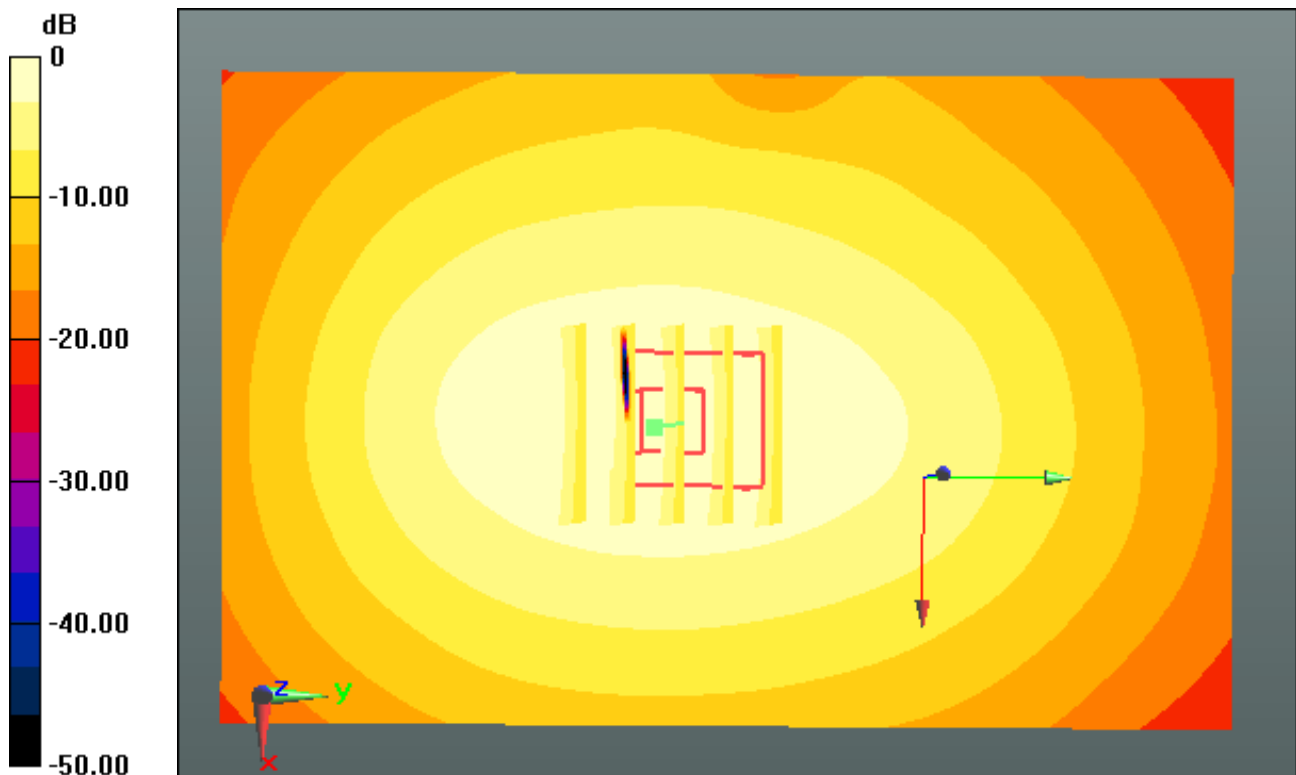
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.323 W/kg



0 dB = 0.582 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 53.978$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

SAR Variability Result

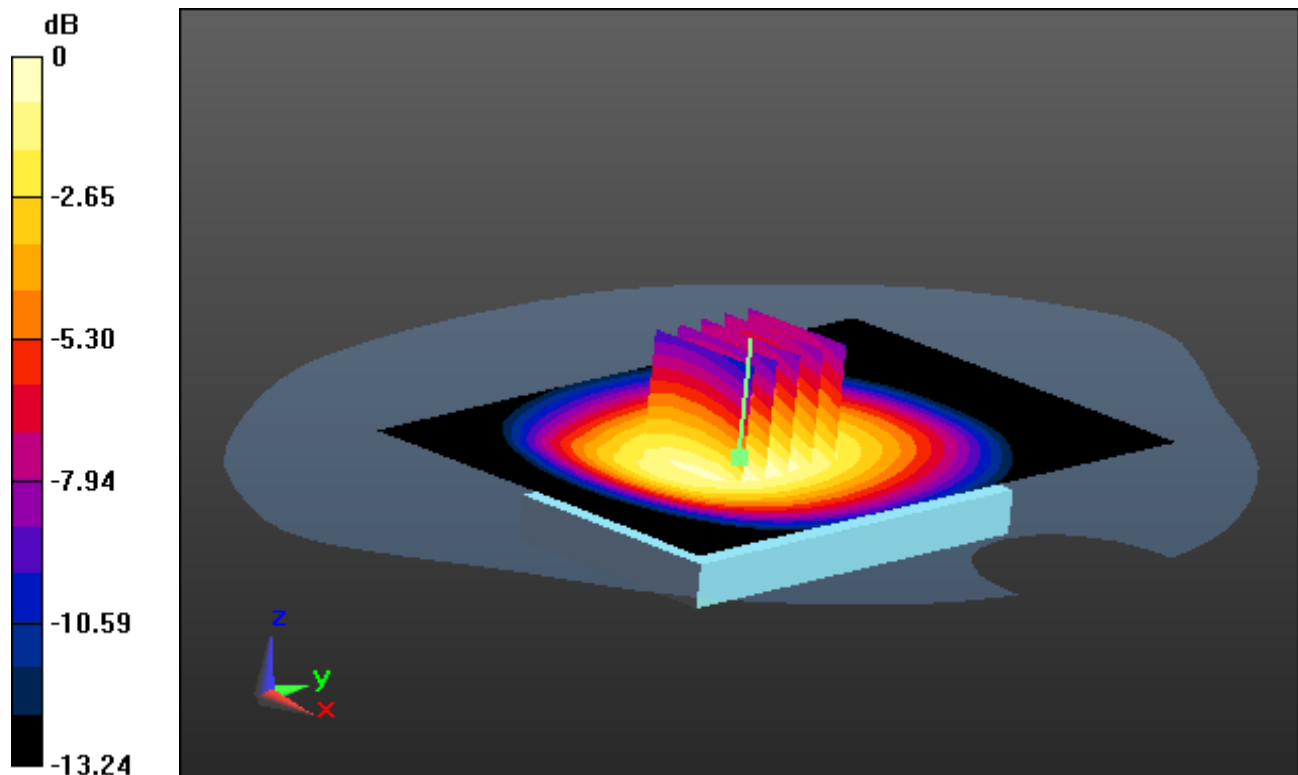
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.671 W/kg



0 dB = 1.12 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 53.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

SAR Variability Result, With Enlarge plot image

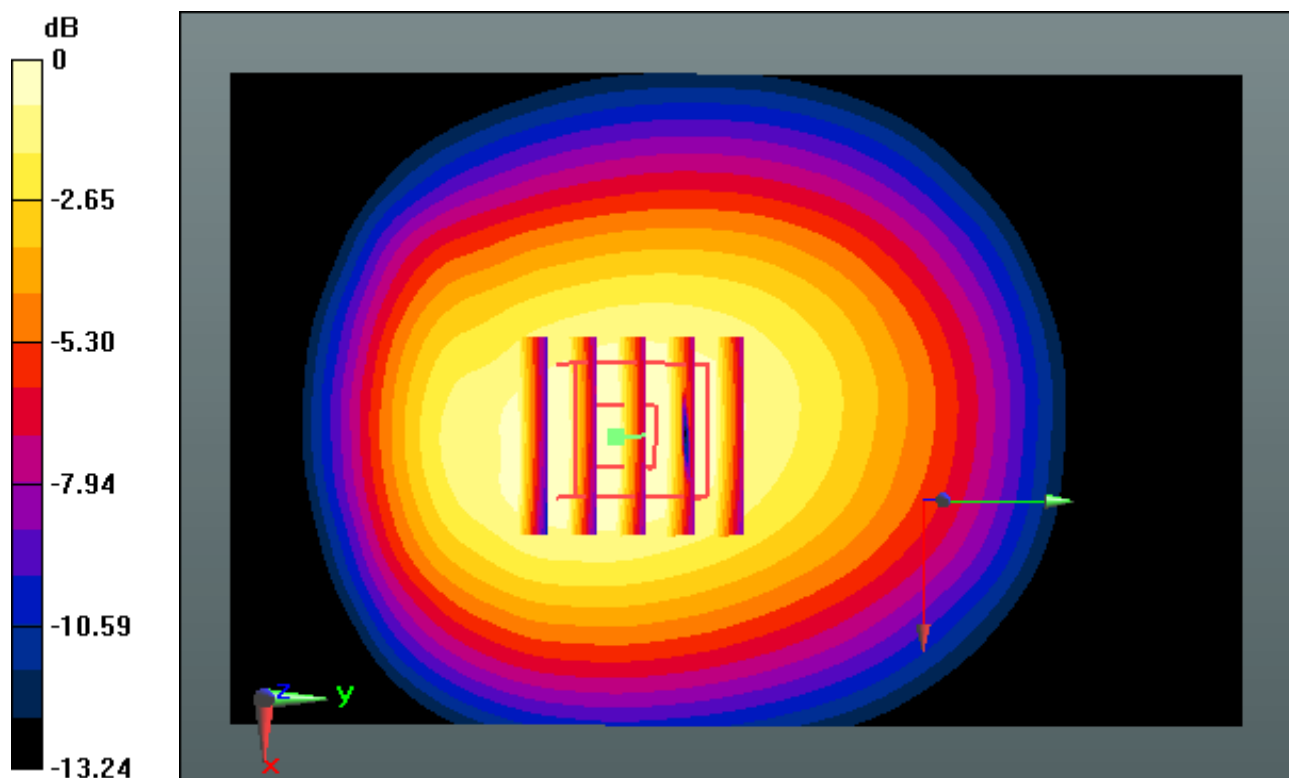
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.671 W/kg



0 dB = 1.12 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_11 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.992$ S/m; $\epsilon_r = 53.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-25; Ambient Temp: 20.6; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal

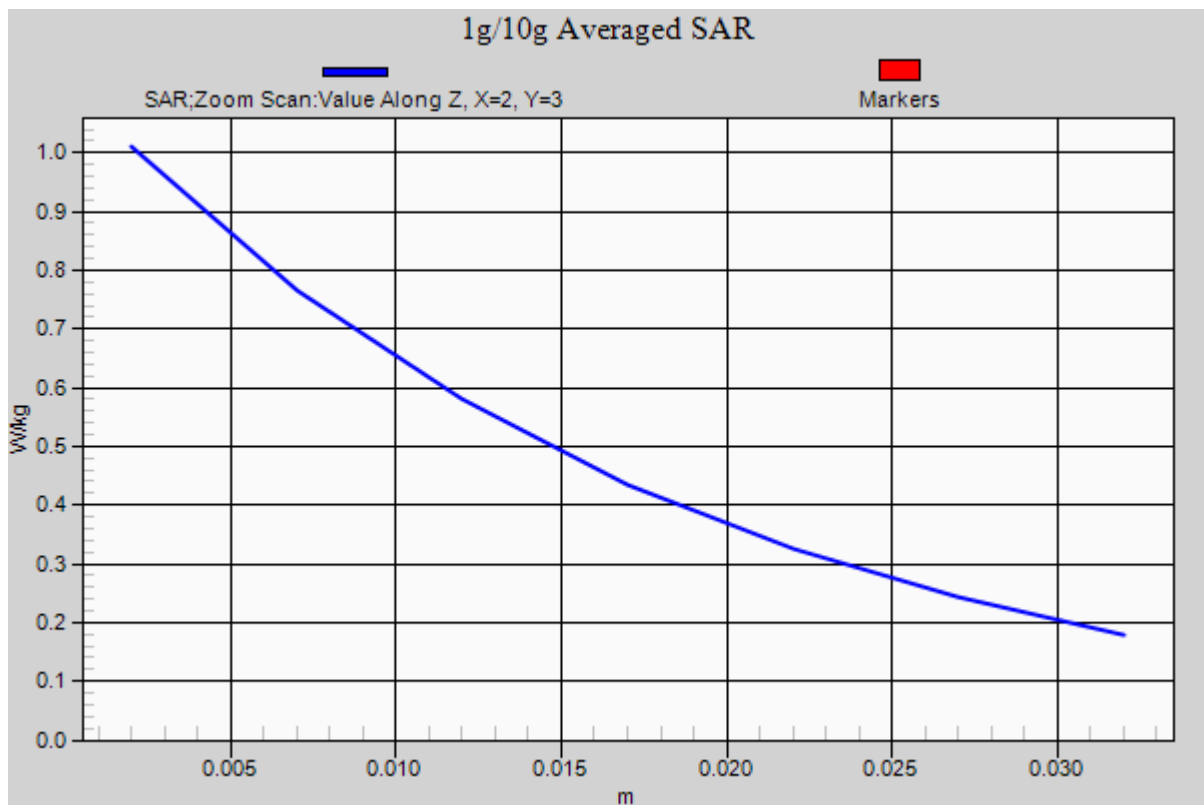
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.642 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 53.978$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-02-10; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

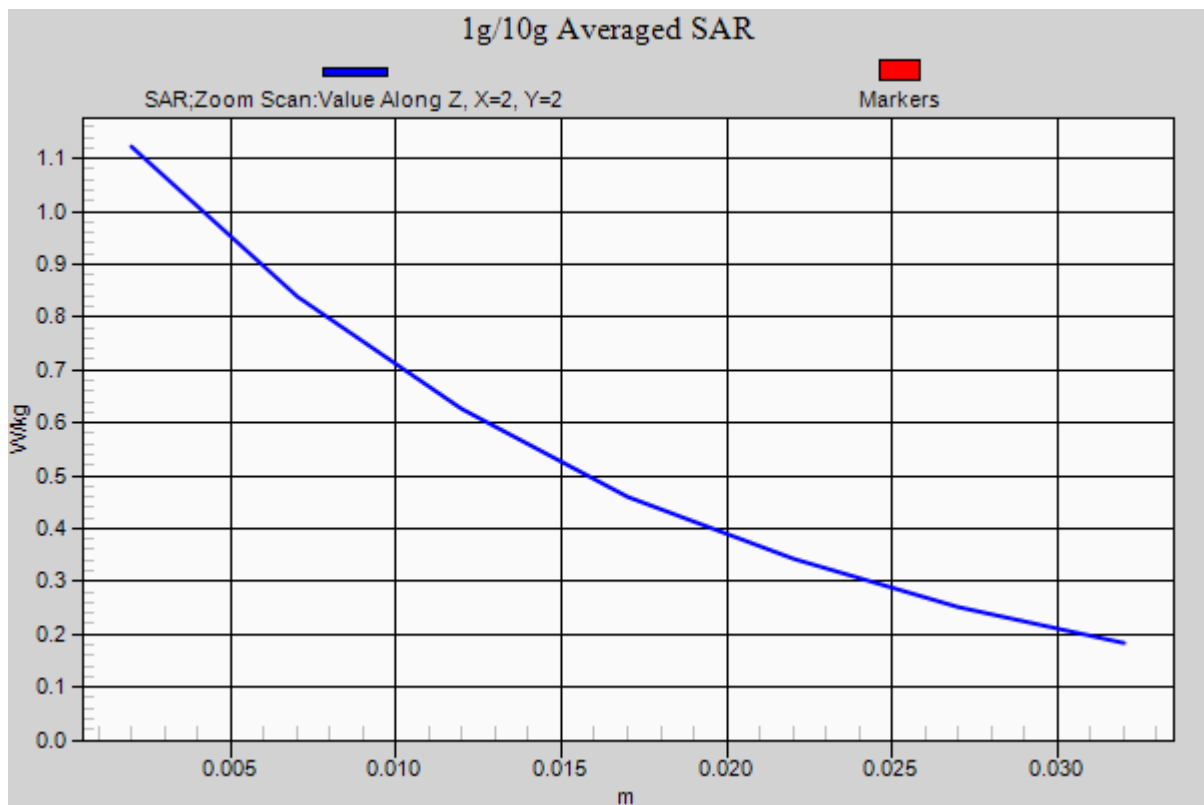
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.680 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Bottom, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

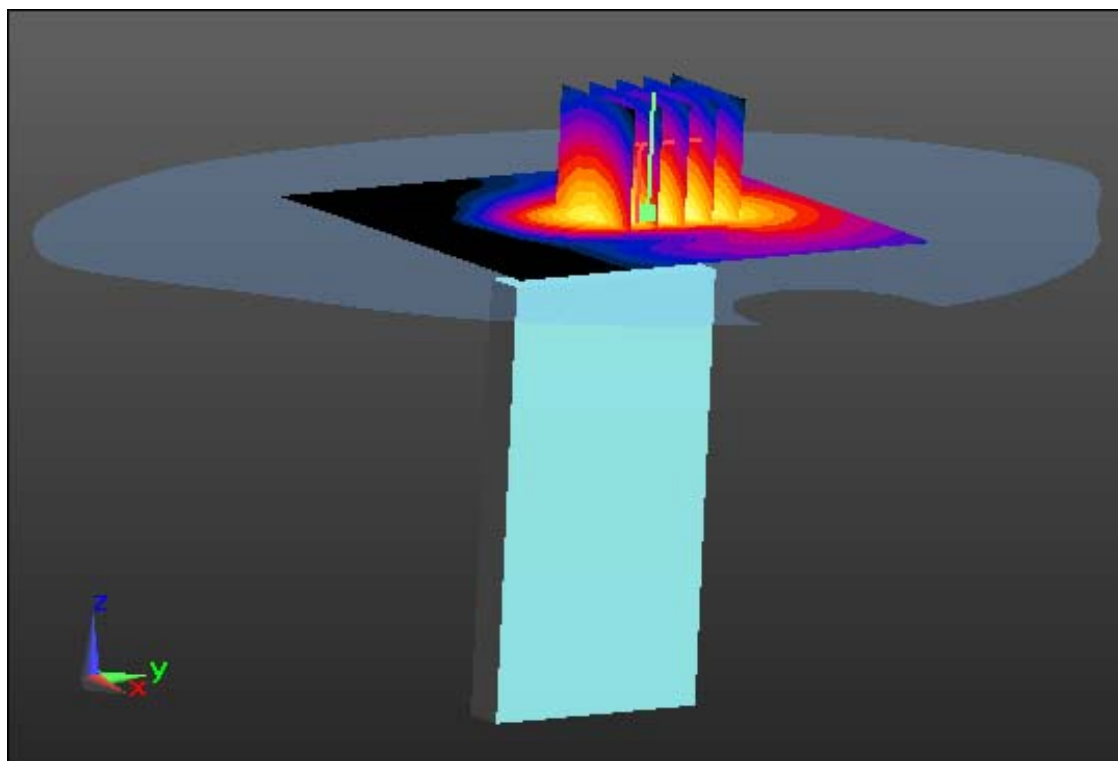
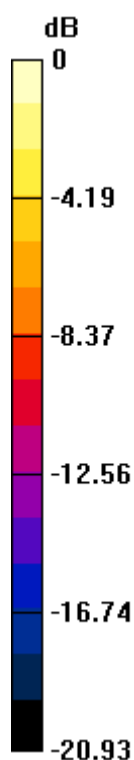
Area Scan (71x81x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.356 W/kg



0 dB = 1.02 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 52.809$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Bottom, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

With Enlarge plot image

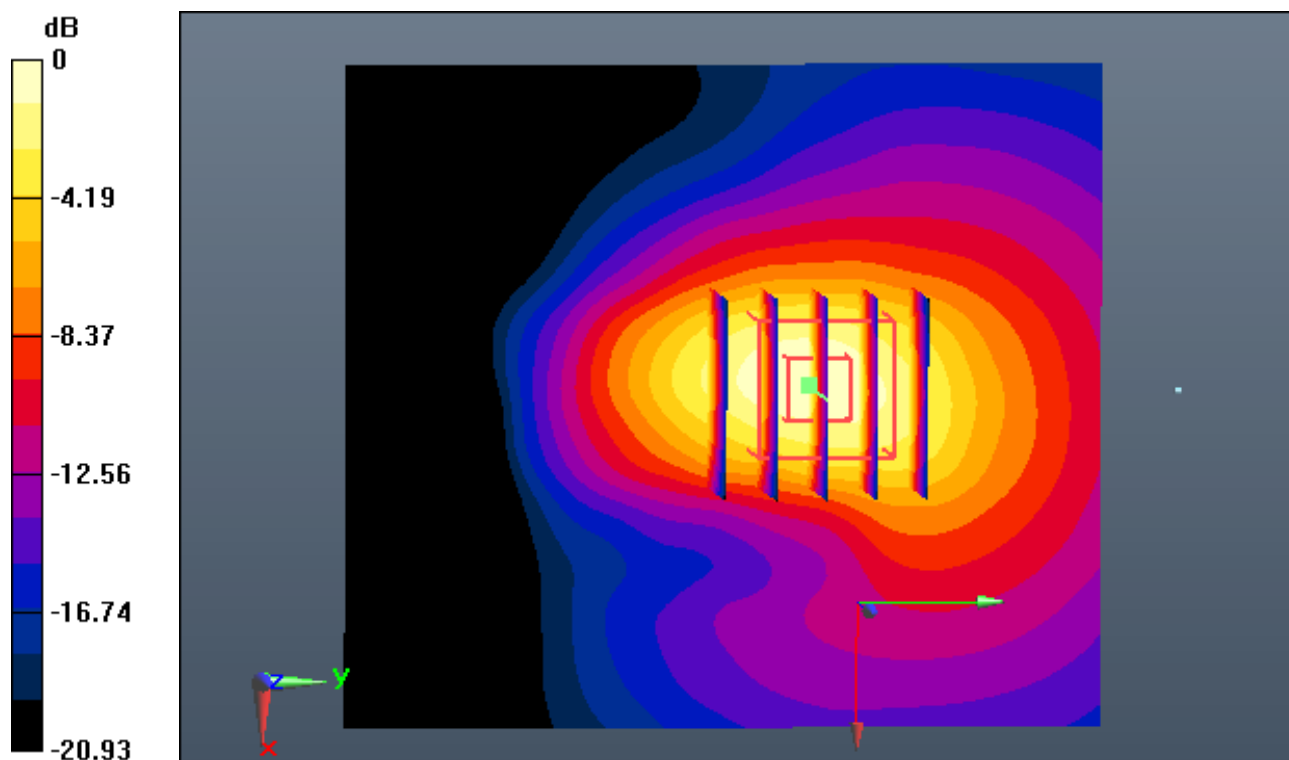
Area Scan (71x81x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.356 W/kg



0 dB = 1.02 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Front, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

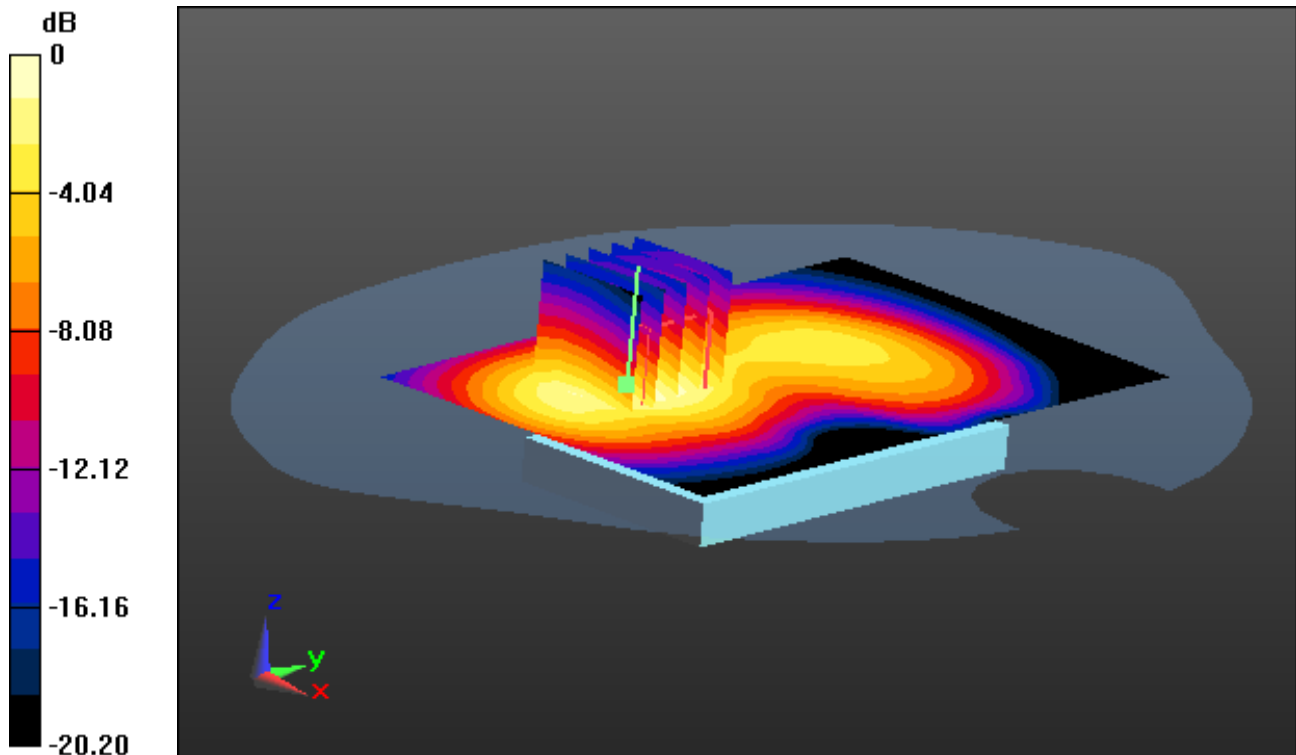
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.364 W/kg



0 dB = 0.889 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Front, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

With Enlarge plot image

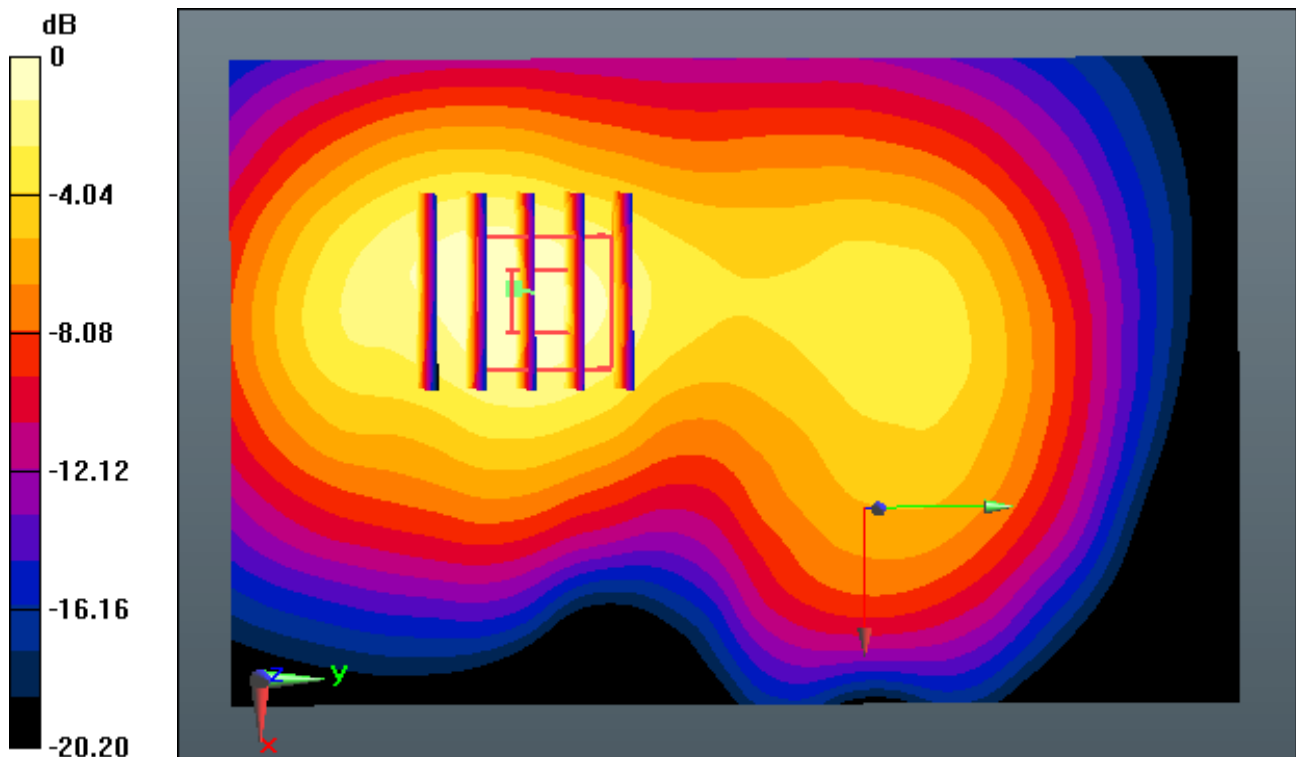
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.364 W/kg



0 dB = 0.889 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 52.834$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 512, Ant Internal

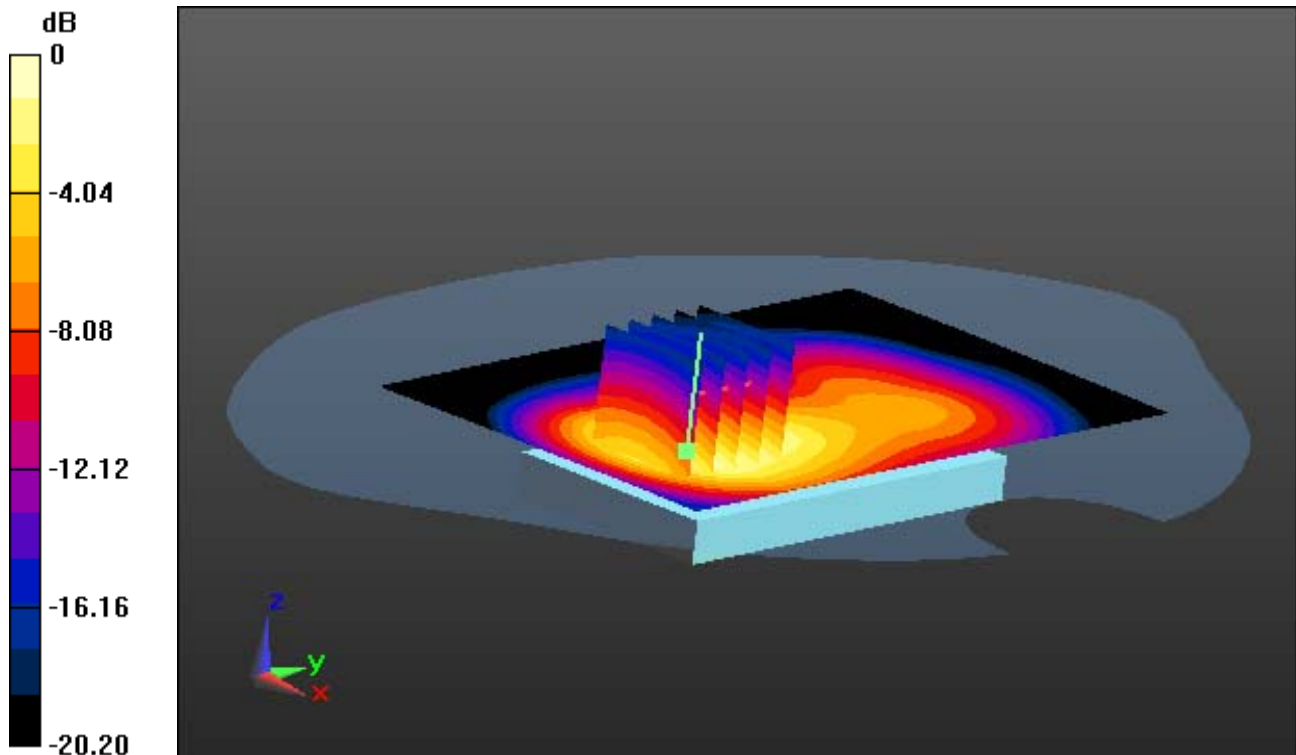
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.423 W/kg



0 dB = 1.19 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 52.834$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 512, Ant Internal

With Enlarge plot image

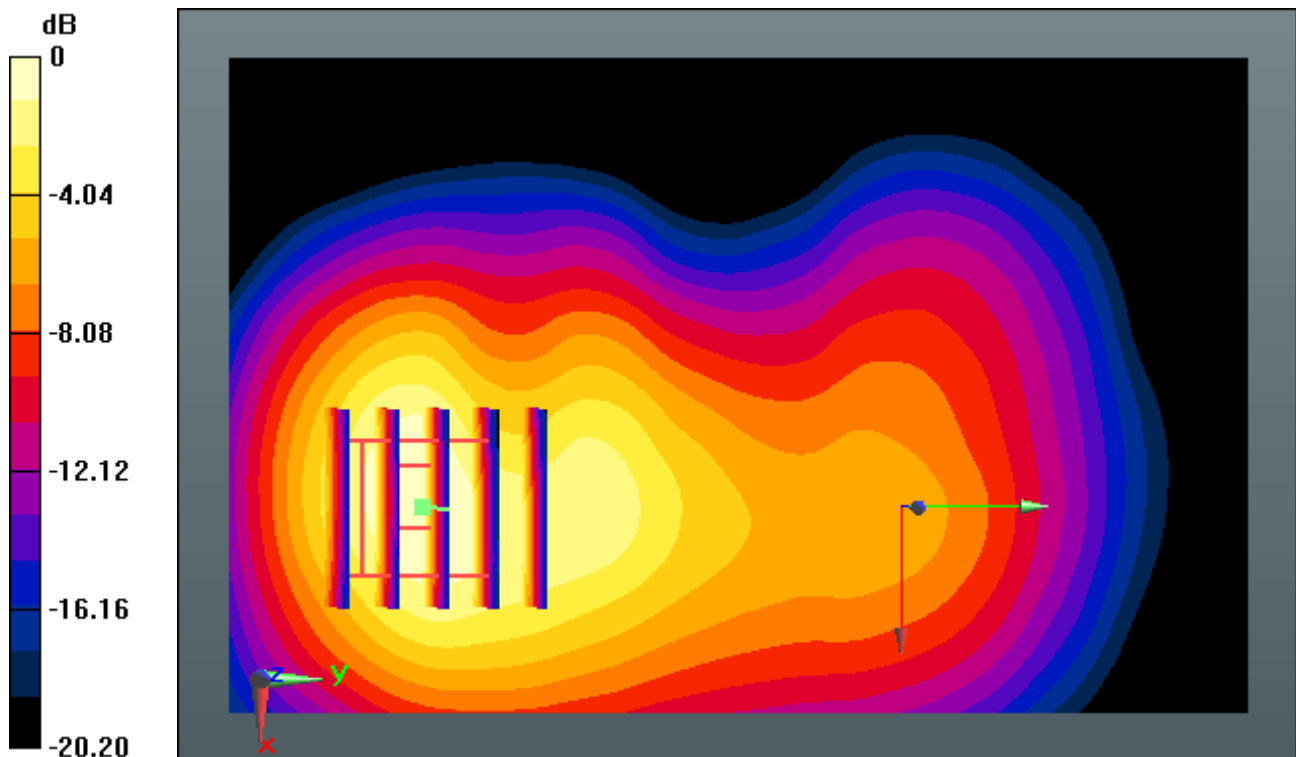
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.423 W/kg



0 dB = 1.19 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

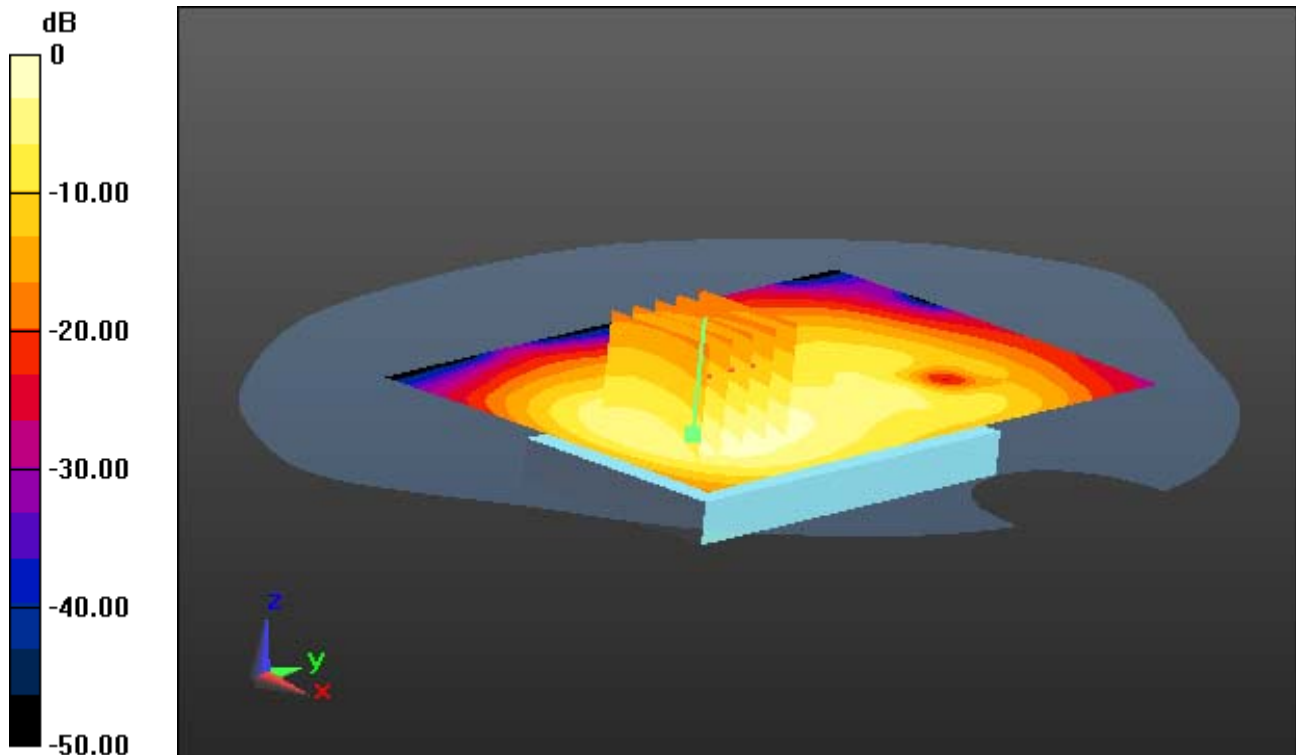
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.437 W/kg



0 dB = 1.22 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

With Enlarge plot image

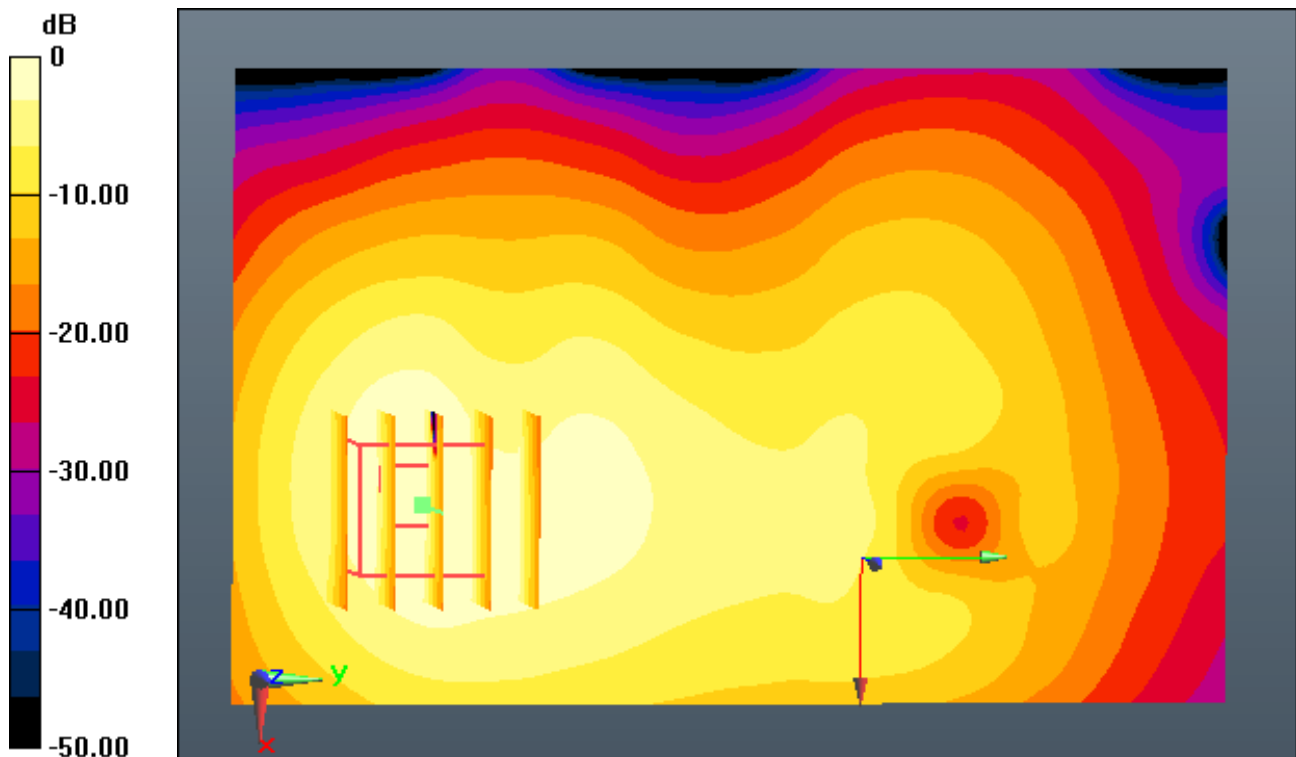
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.437 W/kg



0 dB = 1.22 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 810, Ant Internal

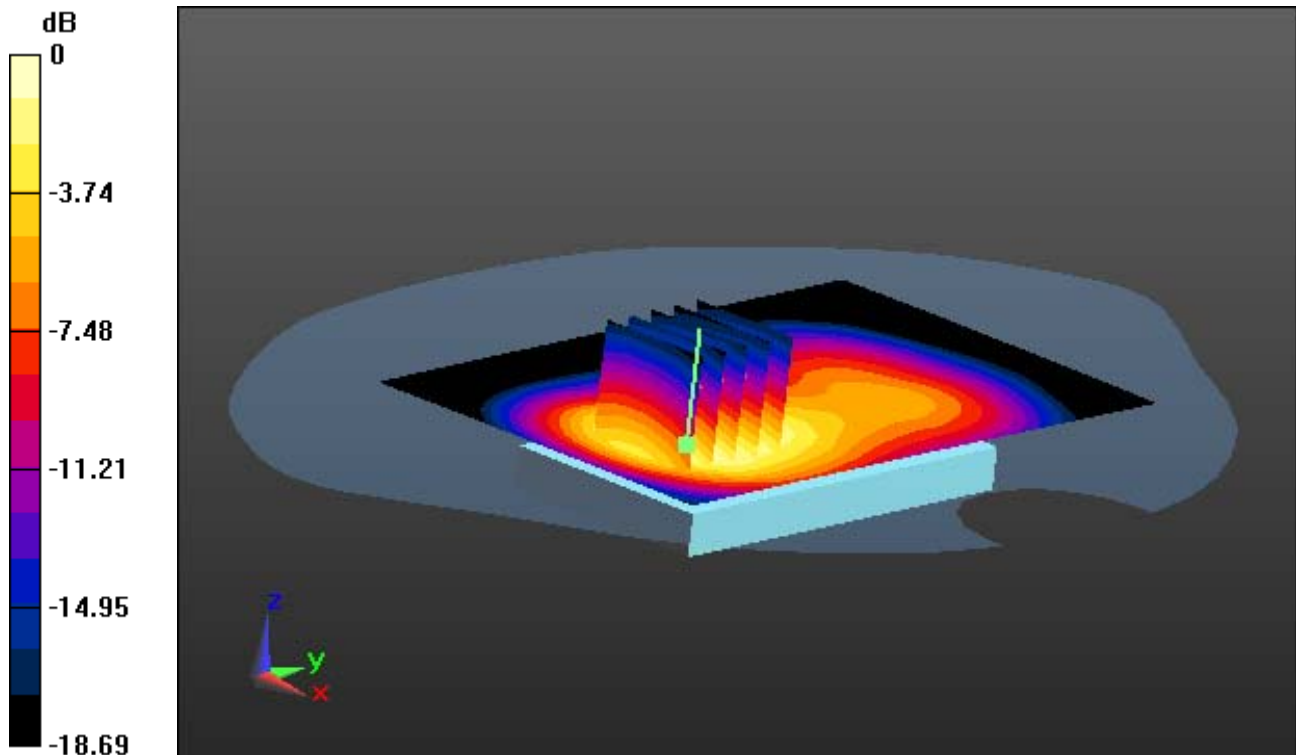
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.476 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 810, Ant Internal

With Enlarge plot image

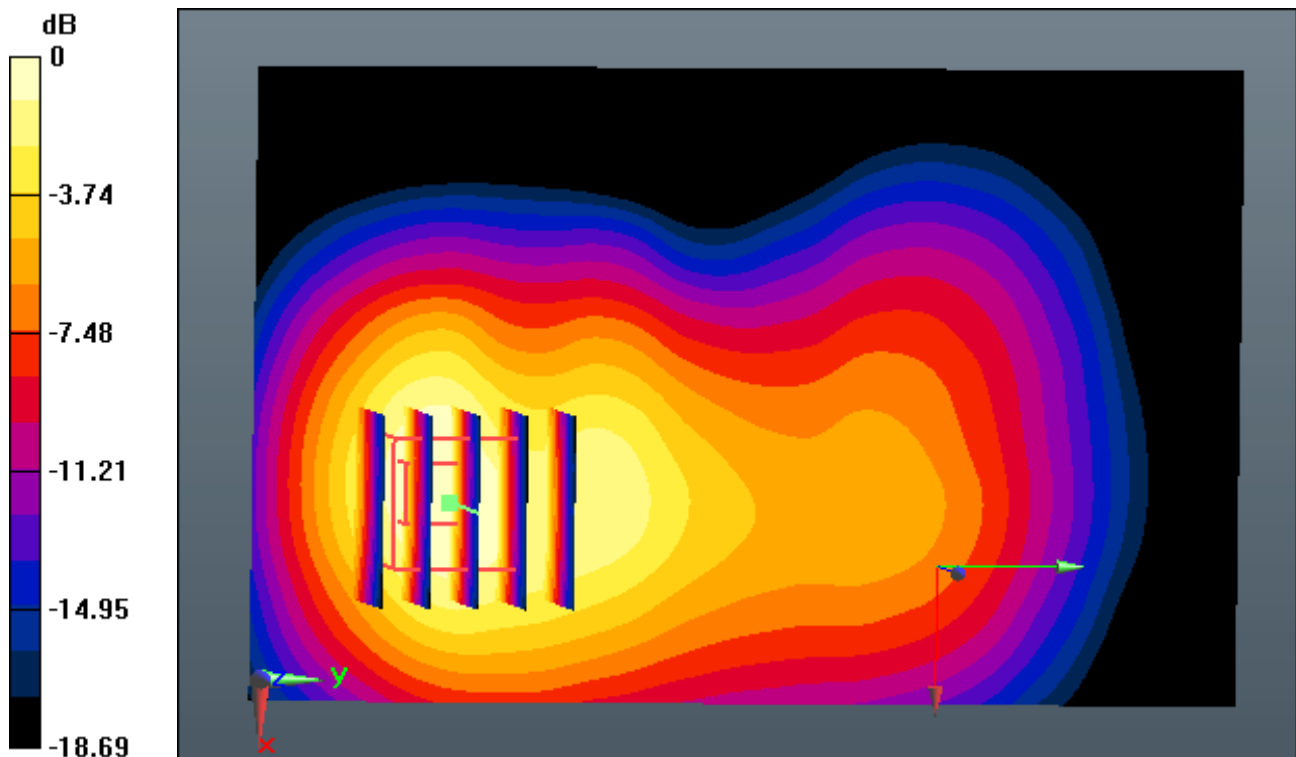
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.476 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 52.834$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal

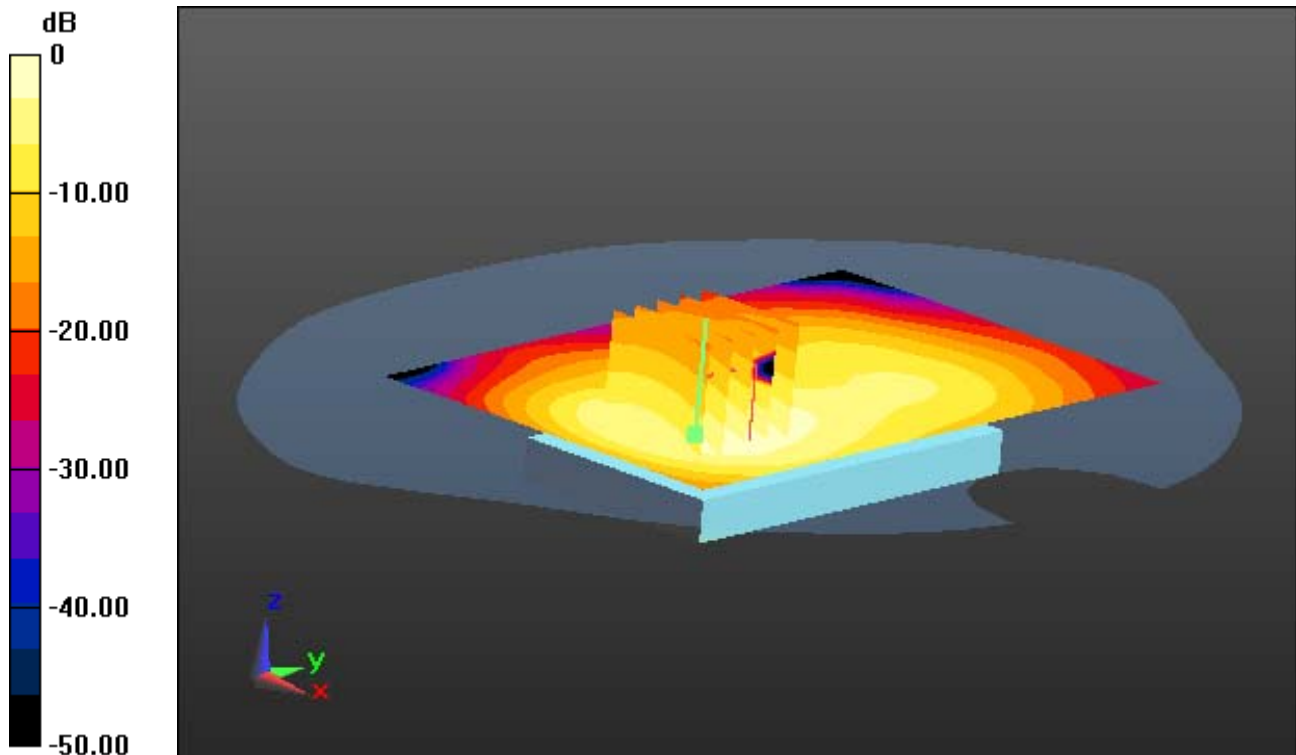
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.431 W/kg



0 dB = 1.18 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 52.834$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal

With Enlarge plot image

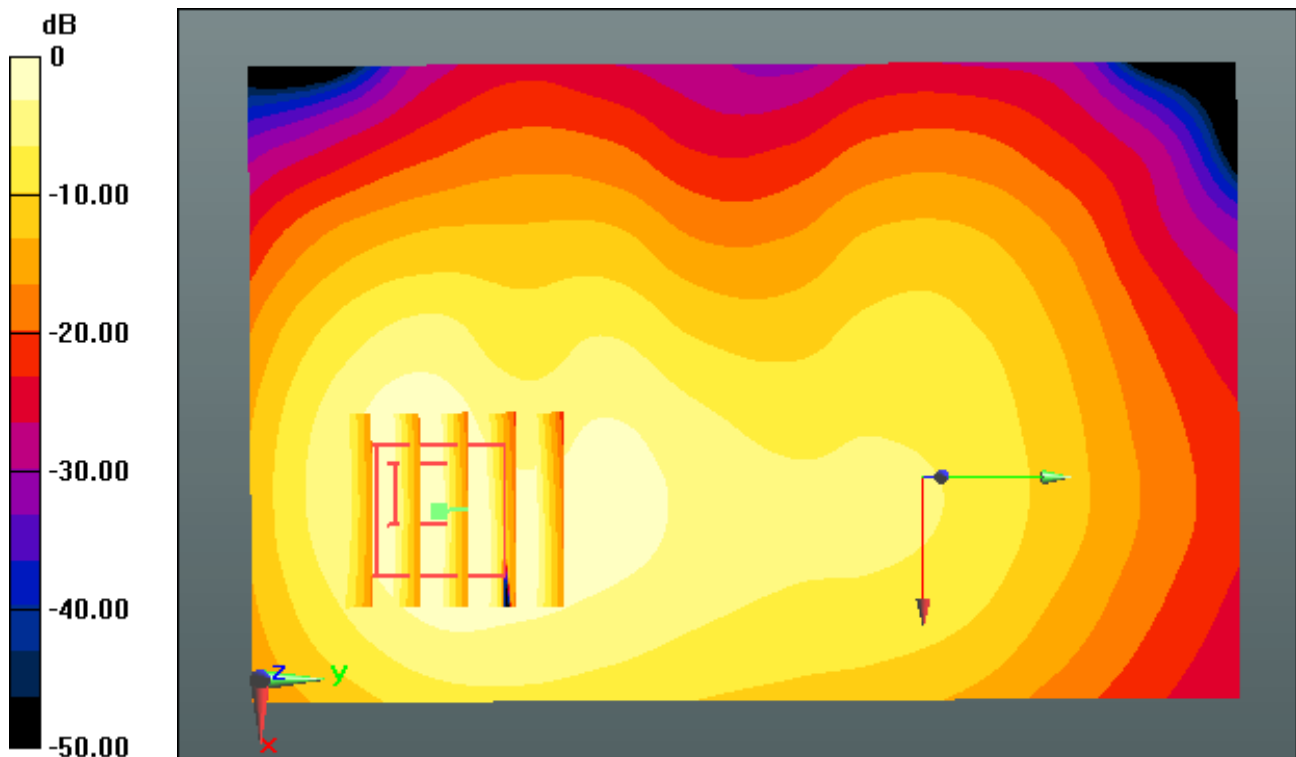
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.431 W/kg



0 dB = 1.18 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

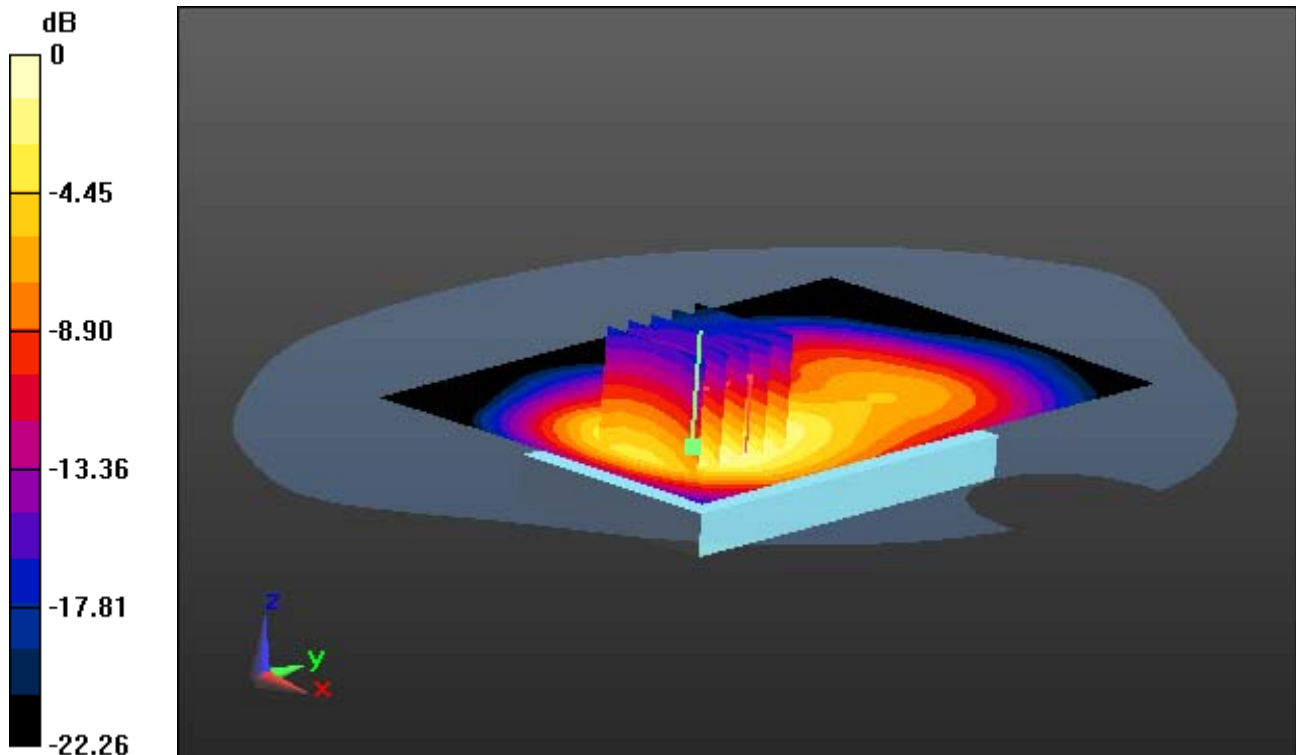
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.442 W/kg



0 dB = 1.22 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

With Enlarge plot image

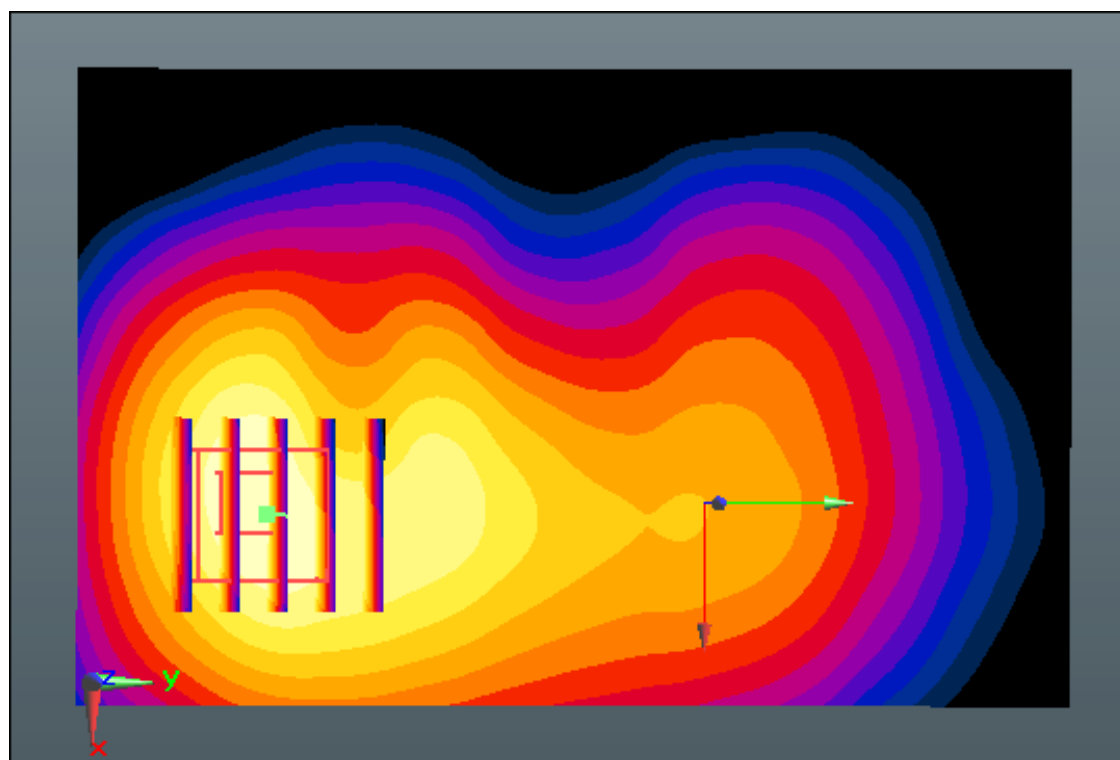
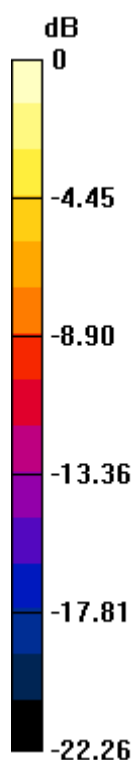
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.442 W/kg



0 dB = 1.22 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal

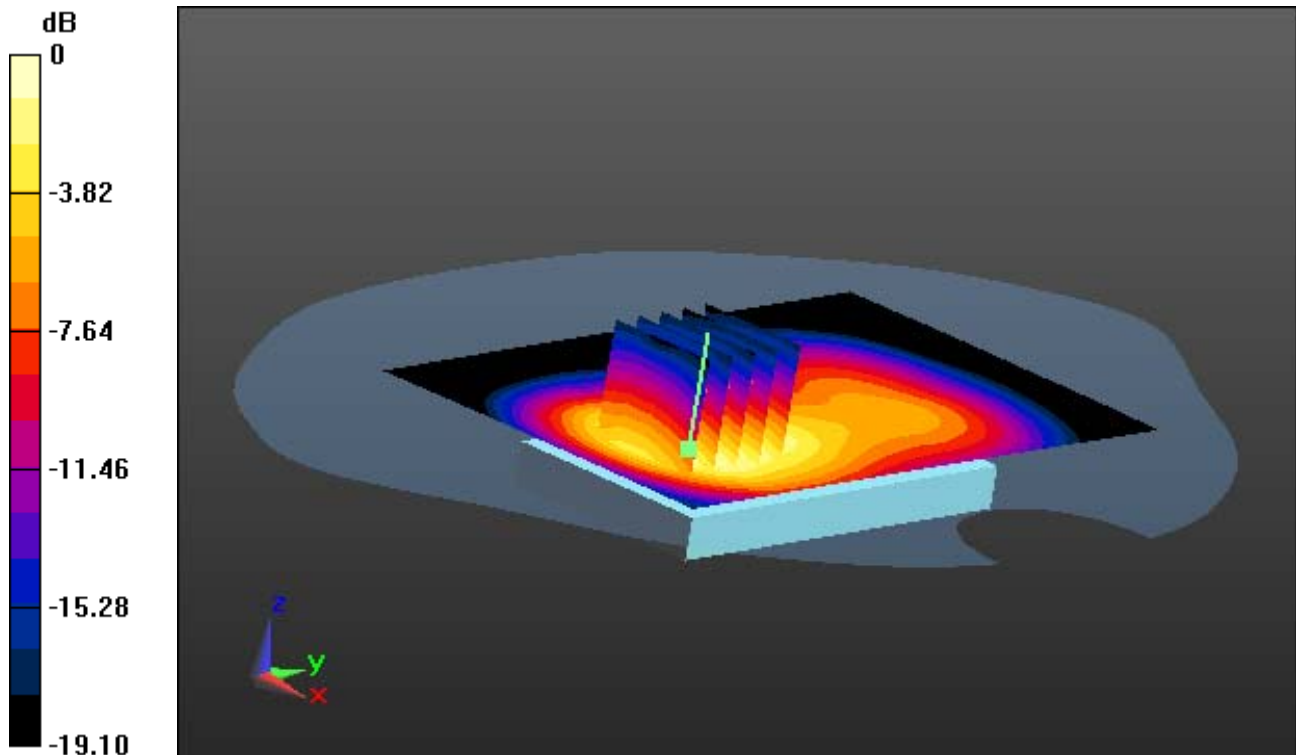
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.477 W/kg



0 dB = 1.29 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal

With Enlarge plot image

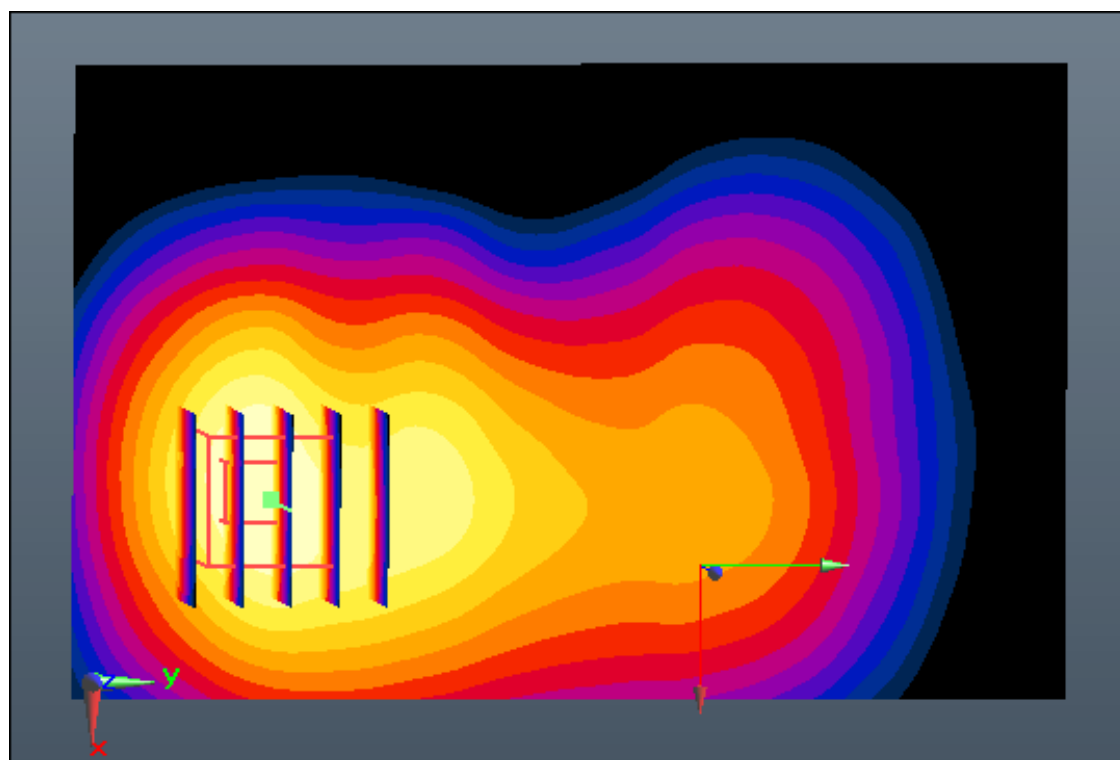
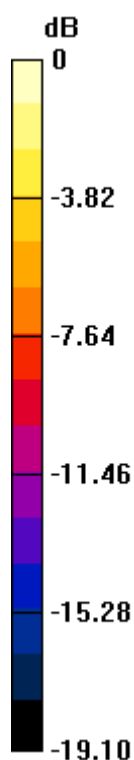
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.477 W/kg



0 dB = 1.29 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal

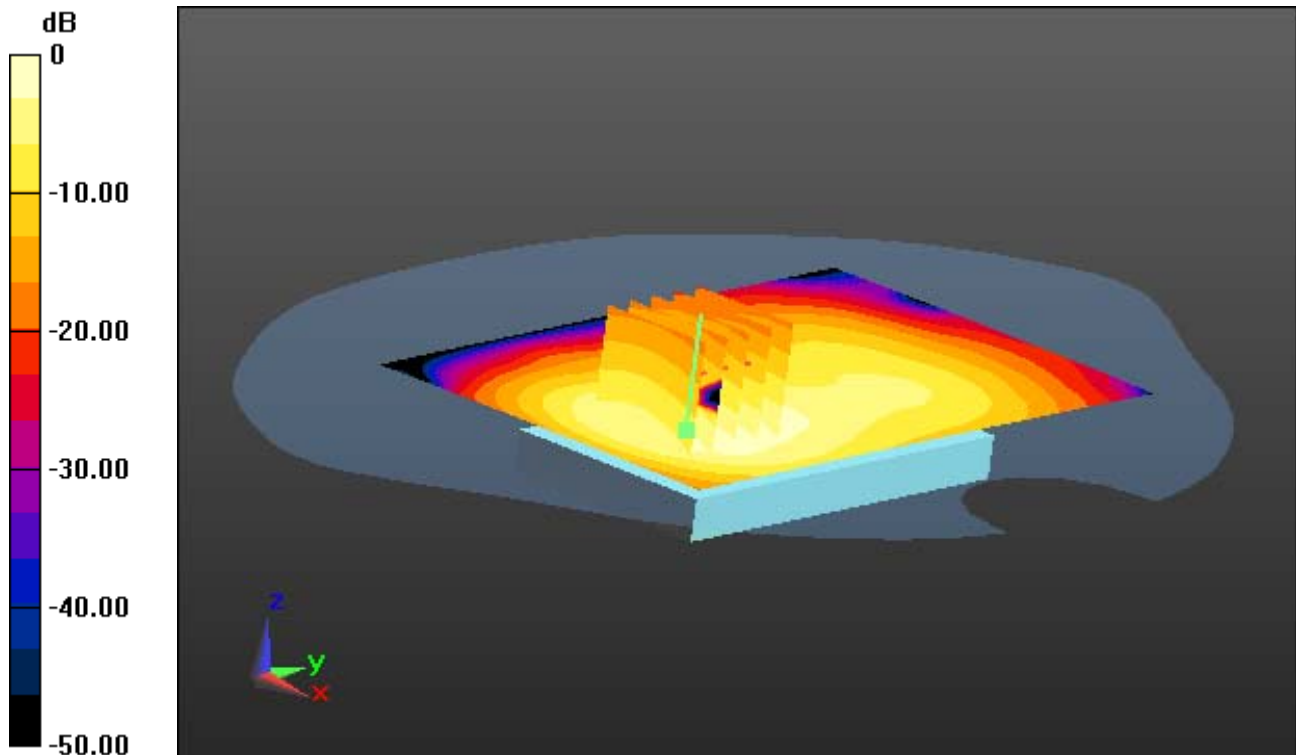
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.369 W/kg



0 dB = 1.03 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal

With Enlarge plot image

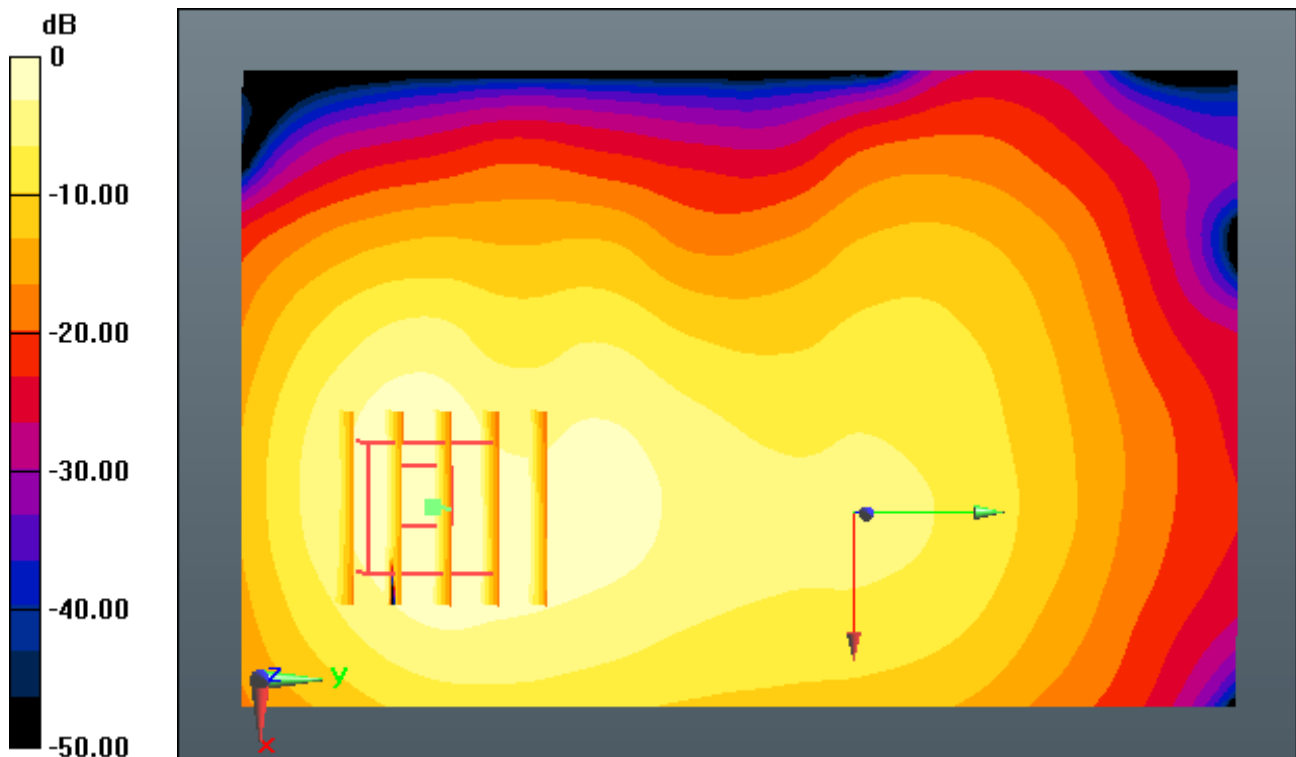
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.369 W/kg



0 dB = 1.03 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

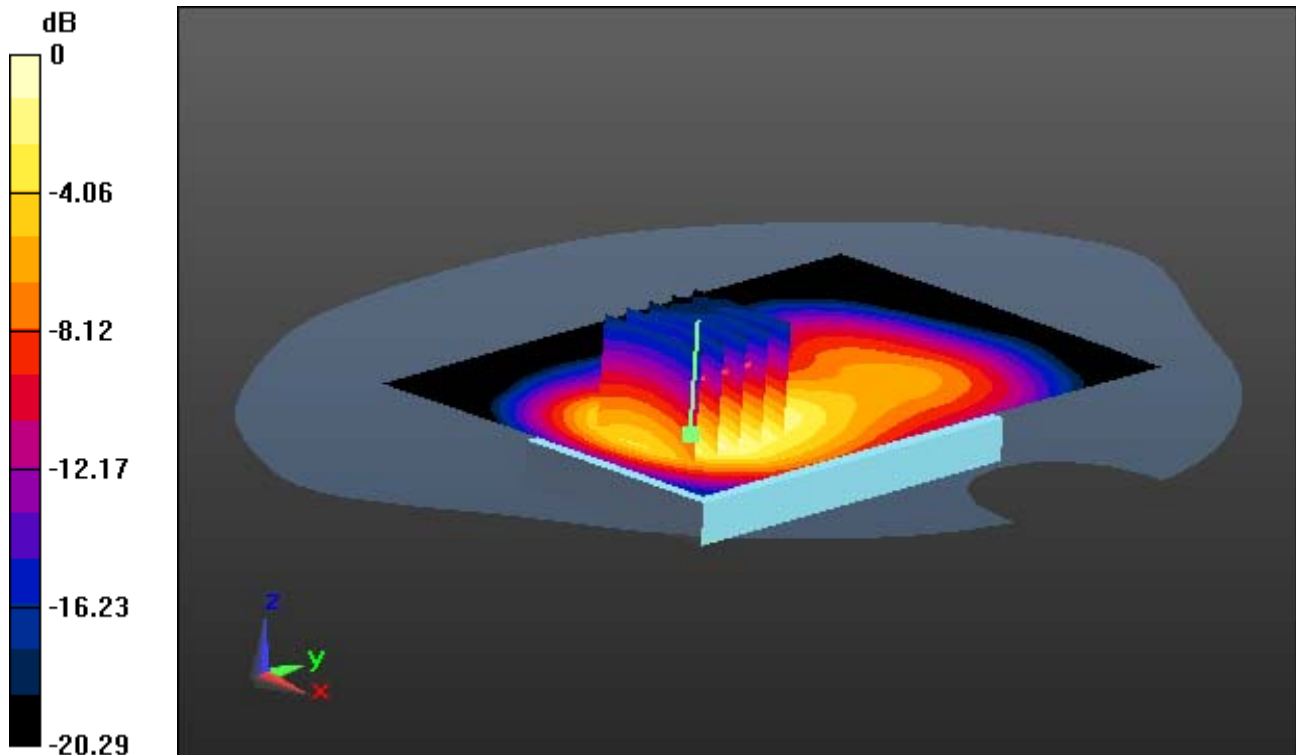
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.331 W/kg



0 dB = 0.929 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

With Enlarge plot image

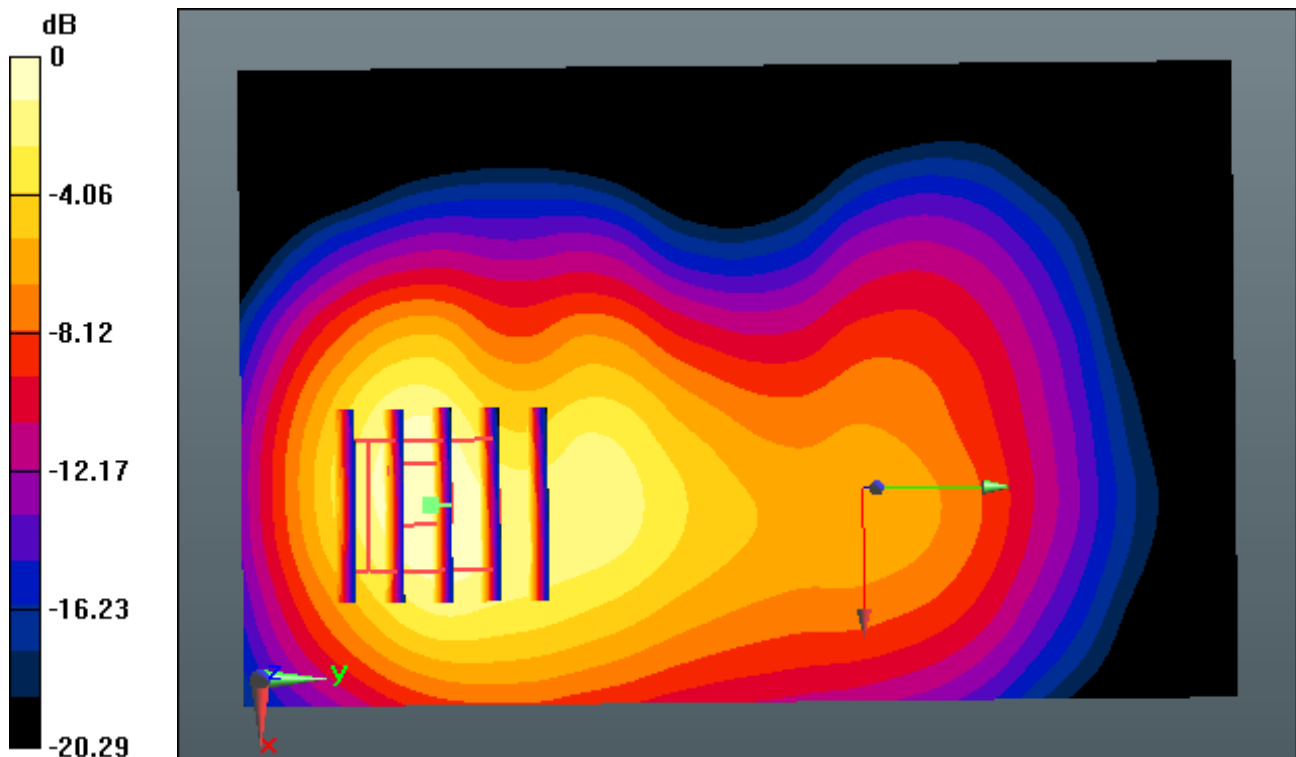
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.331 W/kg



0 dB = 0.929 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

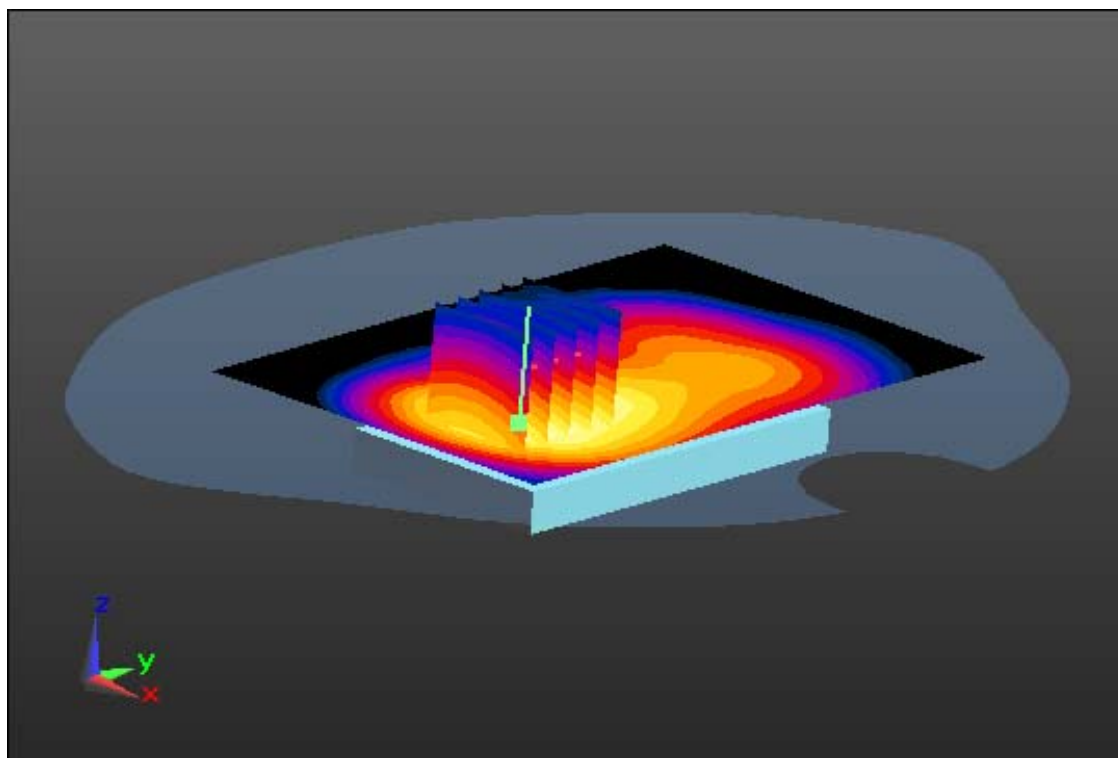
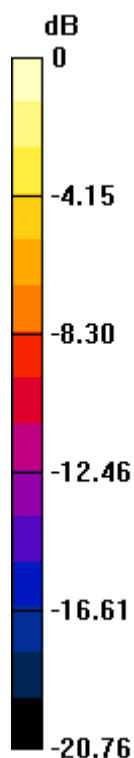
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.325 W/kg



0 dB = 0.913 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396

Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

With Enlarge plot image

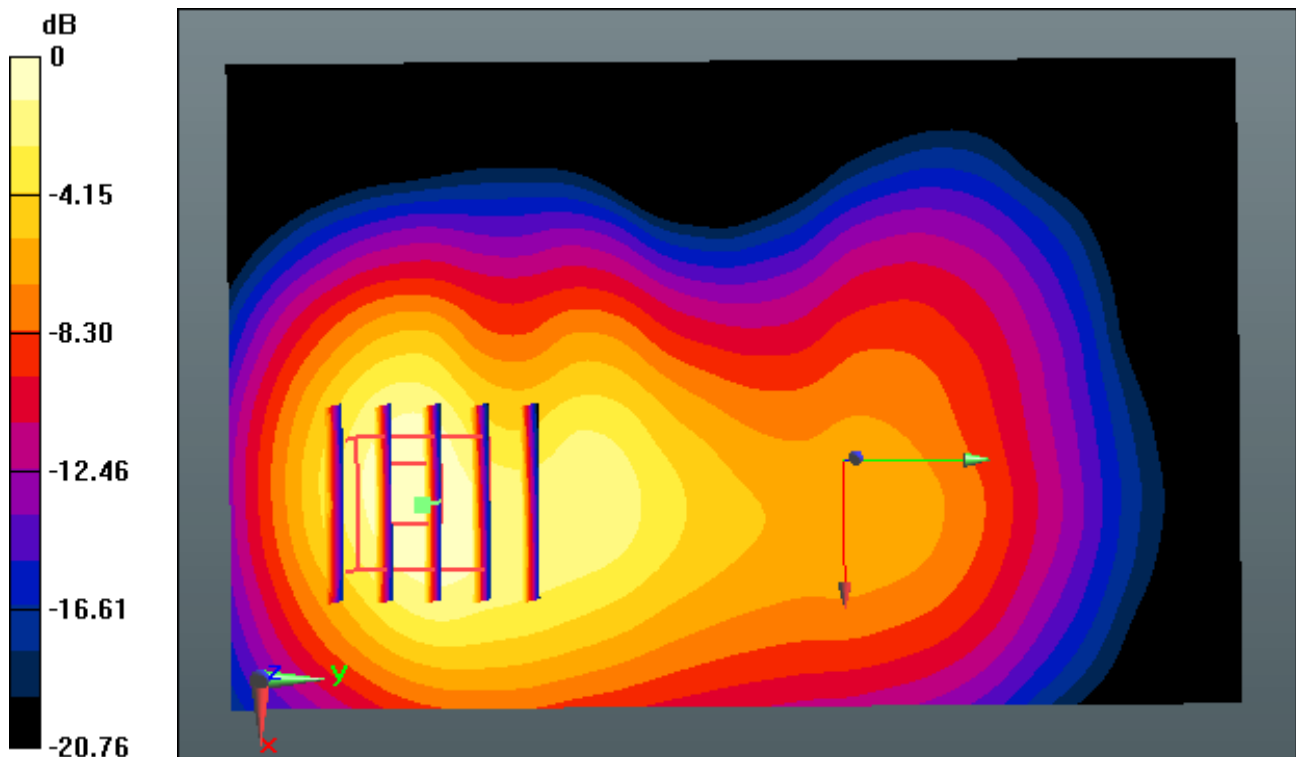
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.325 W/kg



0 dB = 0.913 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Right, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

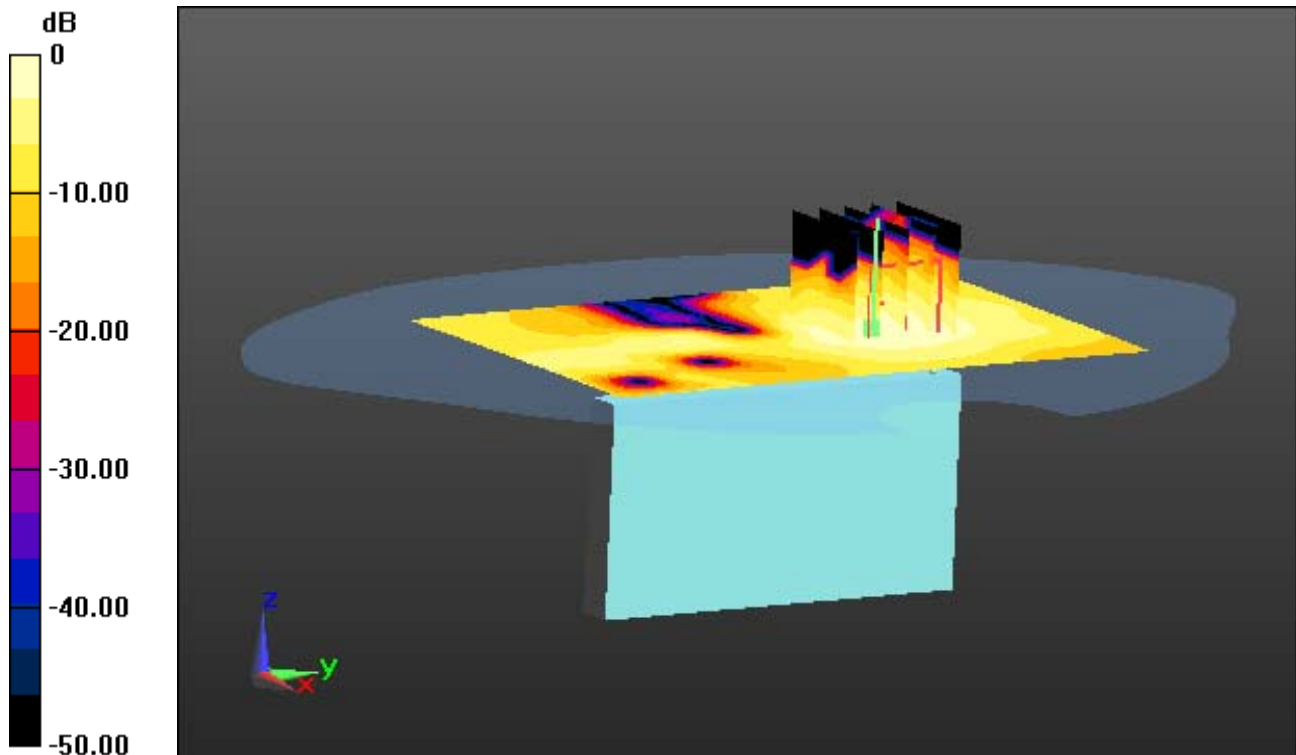
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0440 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.014 W/kg



0 dB = 0.0357 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Right, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

With Enlarge plot image

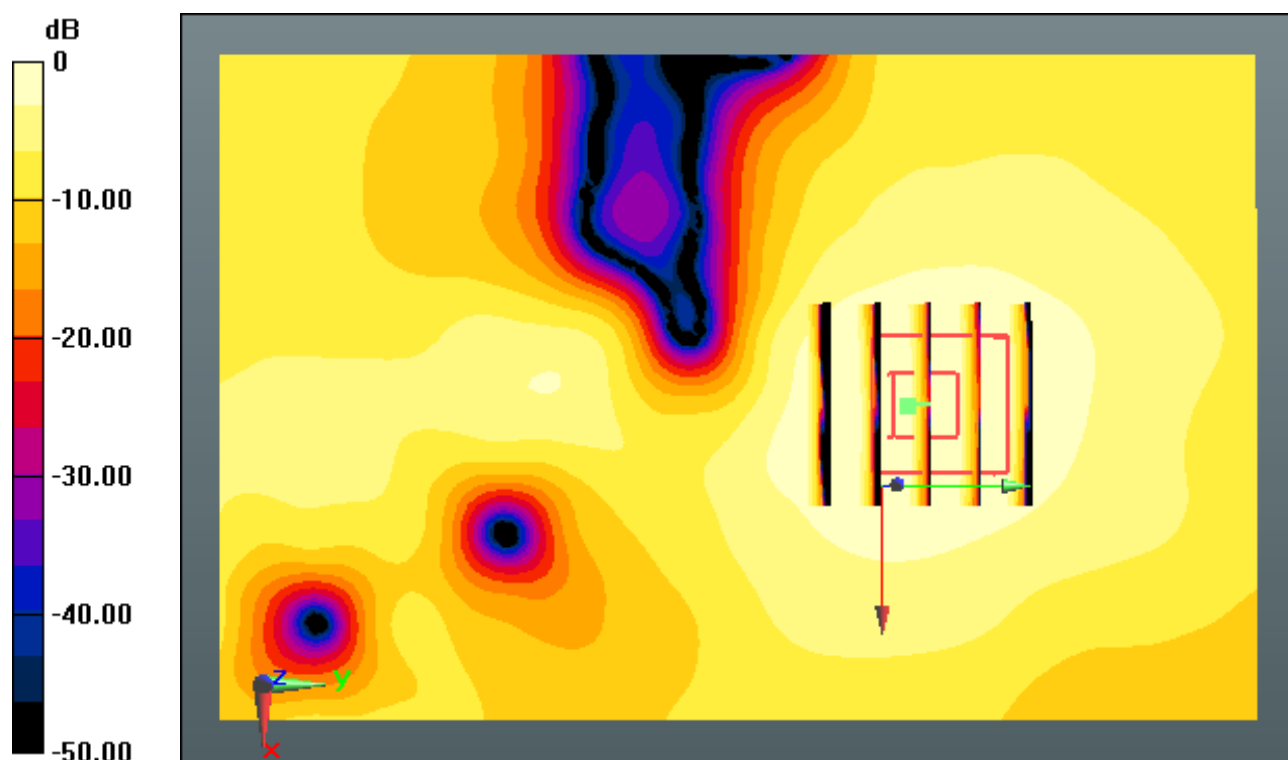
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0440 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.014 W/kg



0 dB = 0.0357 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Left, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

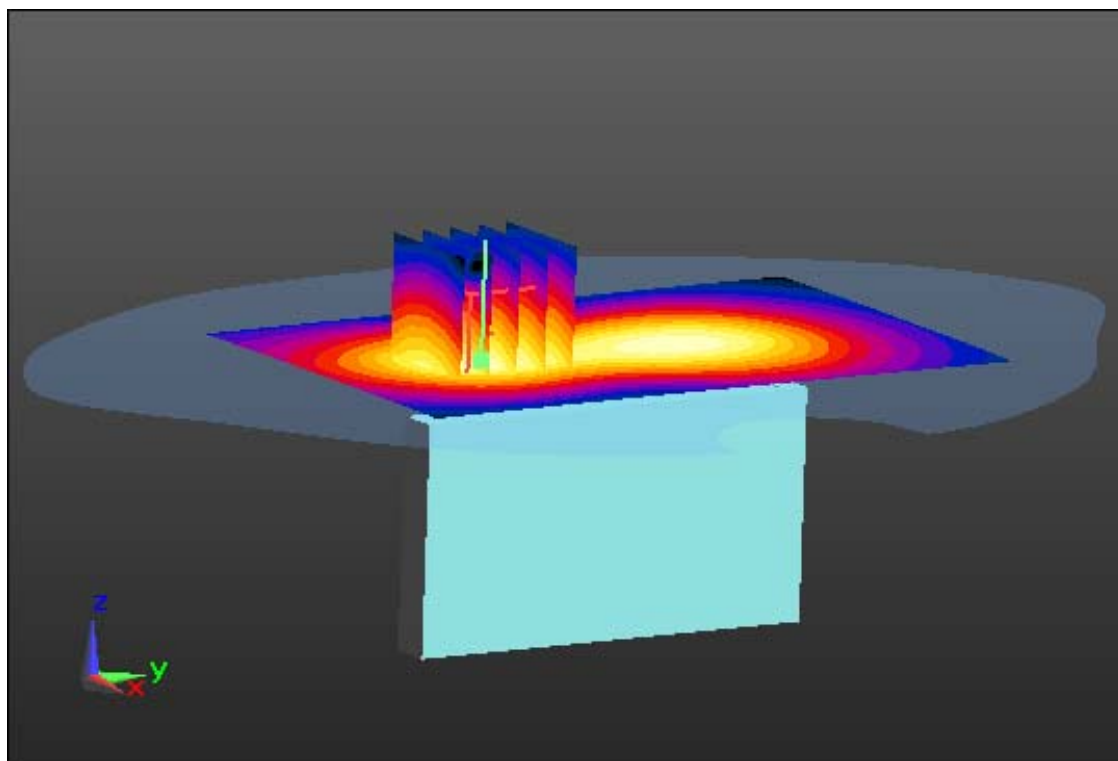
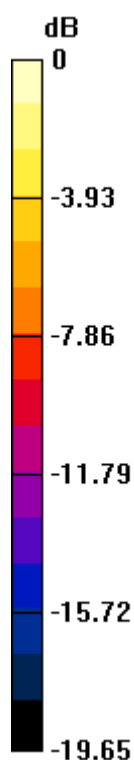
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.297 W/kg



0 dB = 0.767 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.532 \text{ S/m}$; $\epsilon_r = 52.809$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Left, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

With Enlarge plot image

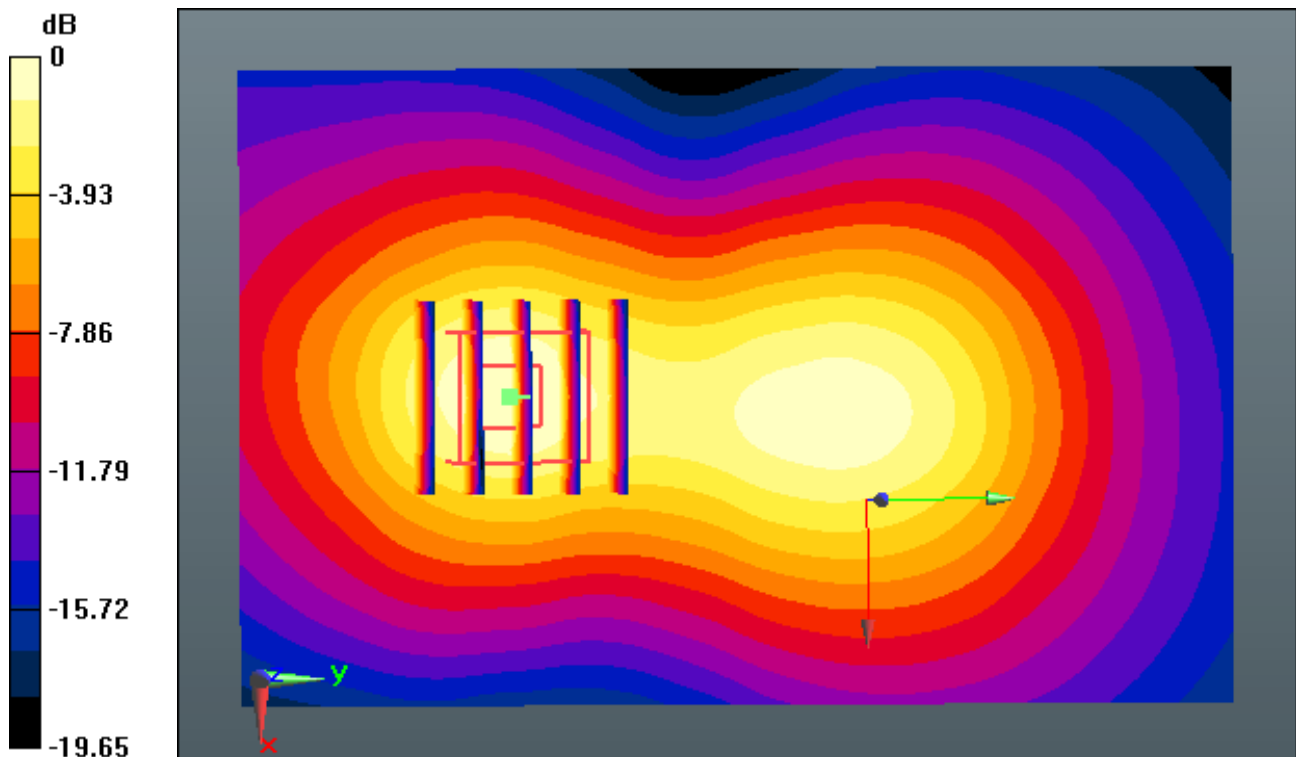
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.297 W/kg



0 dB = 0.767 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 810, Ant Internal

SAR Variability Result

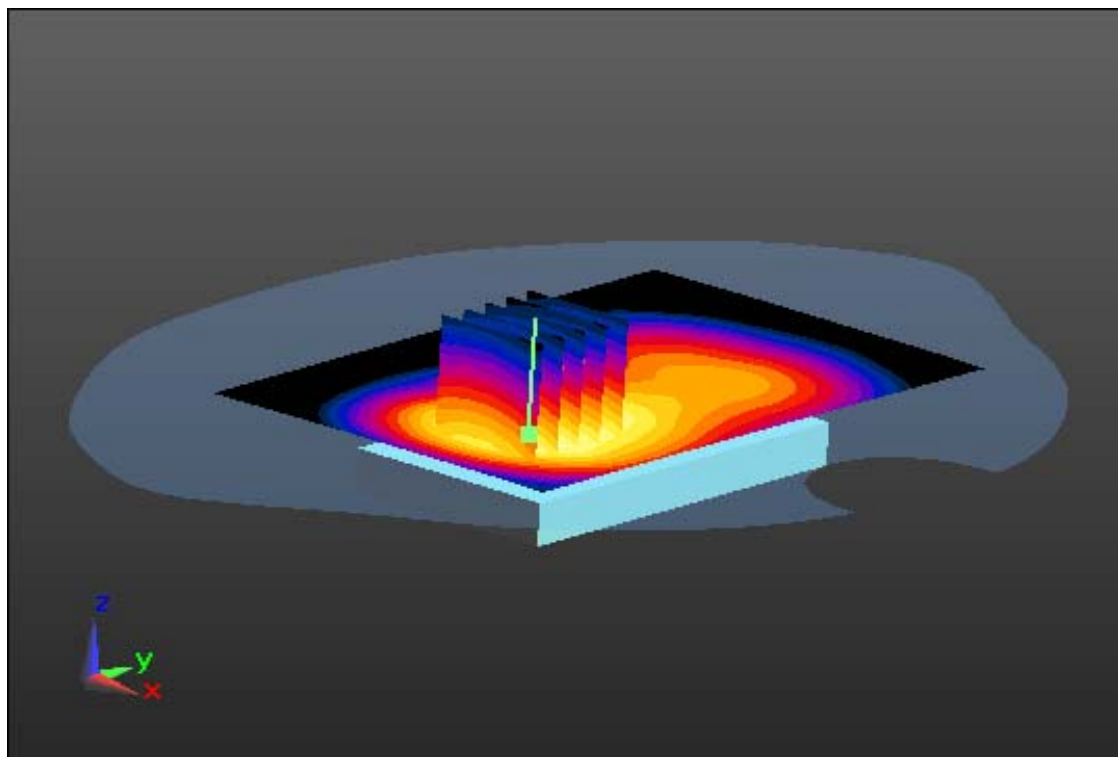
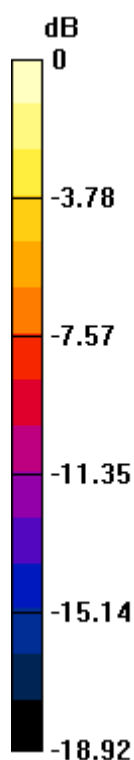
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.474 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 Ch. 810, Ant Internal

SAR Variability Result, With Enlarge plot image

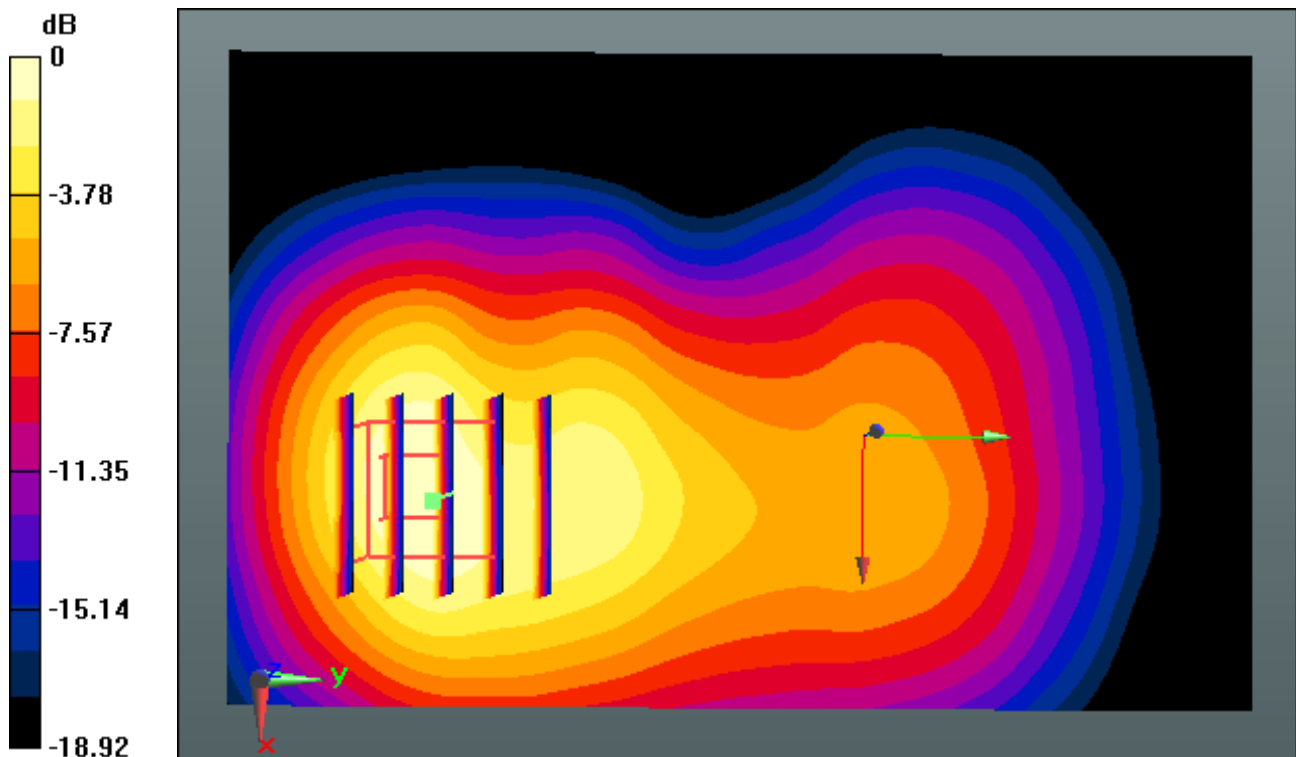
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.474 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal

SAR Variability Result

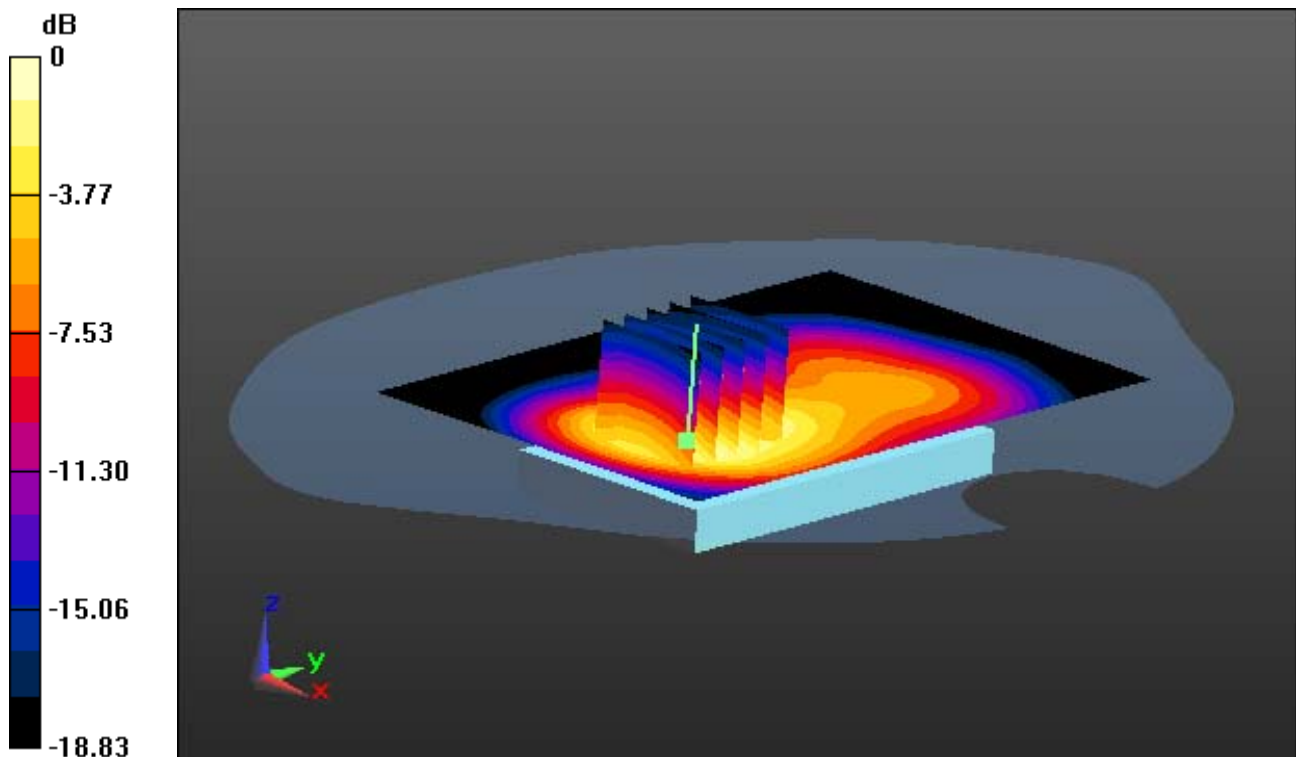
Area Scan (71x111x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.477 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal

SAR Variability Result, With Enlarge plot image

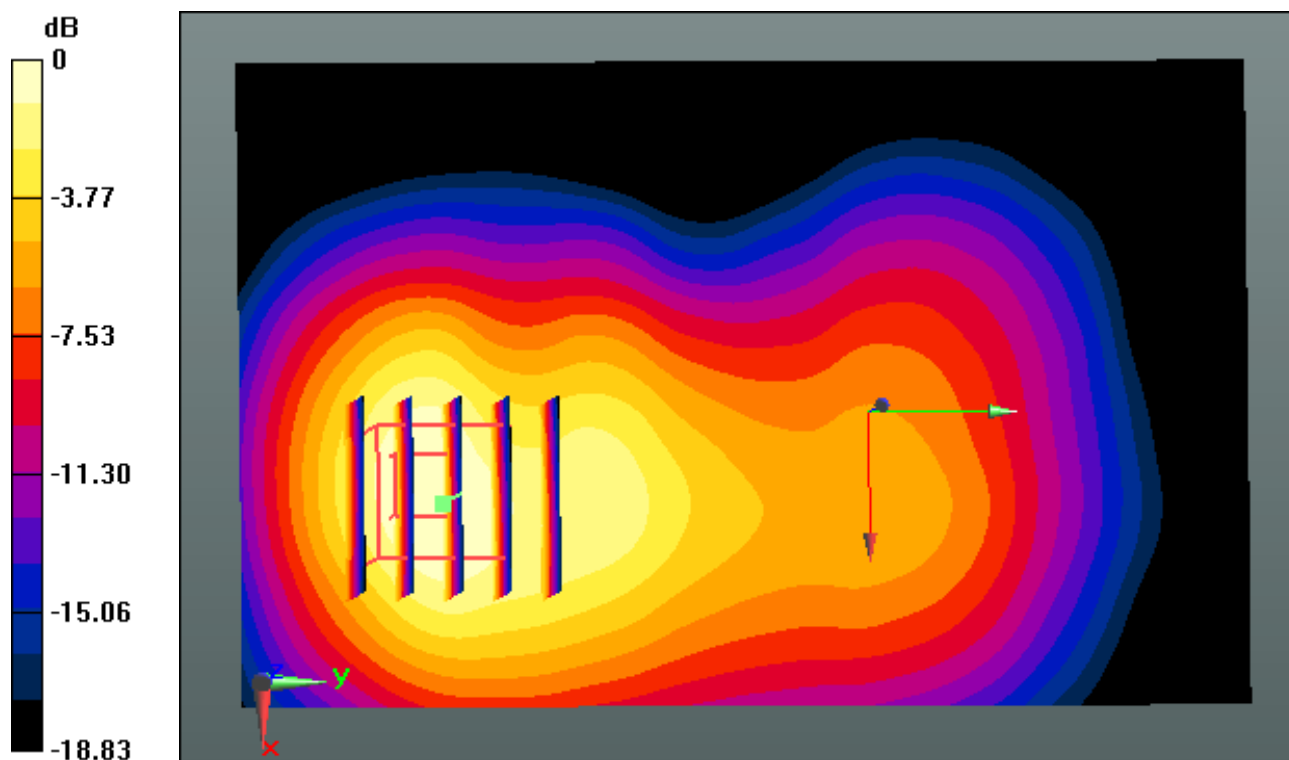
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.477 W/kg



0 dB = 1.27 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.739$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-23; Ambient Temp: 20.8; Tissue Temp: 21.3

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal

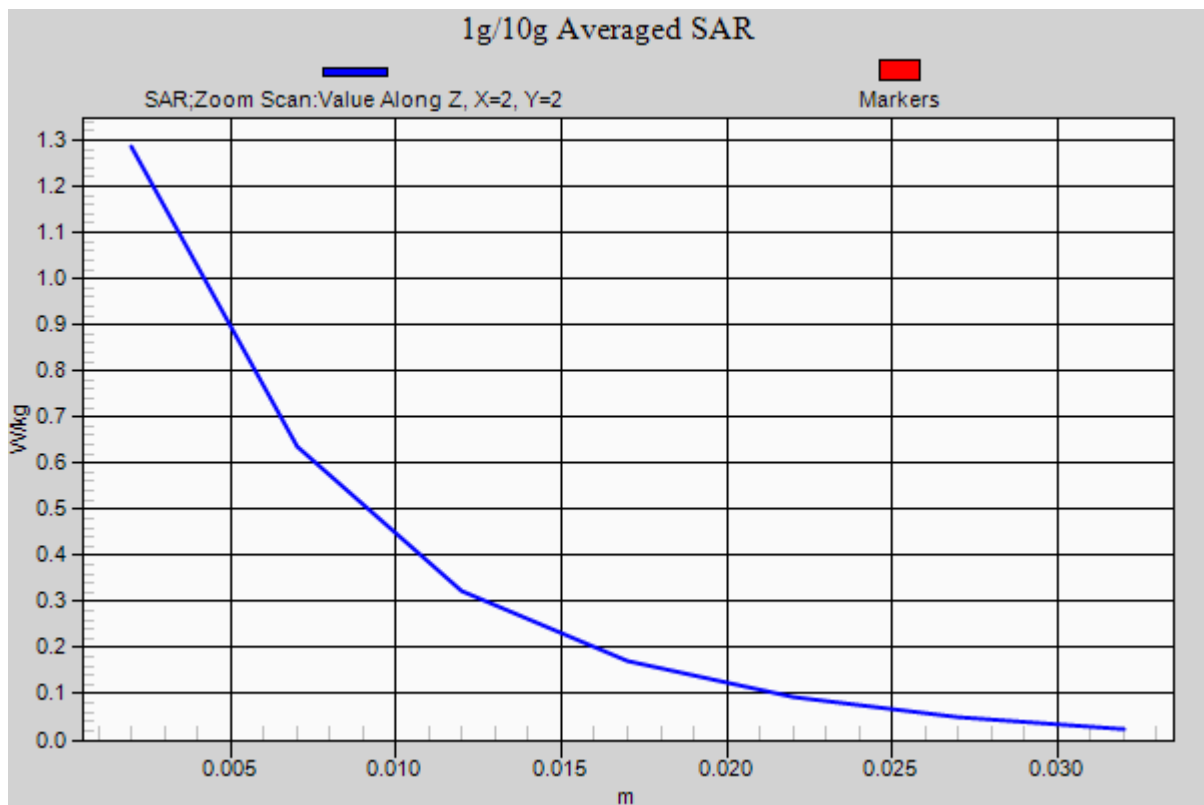
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.477 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Top, W-LAN(802.11b) Ch. 11, Ant Internal

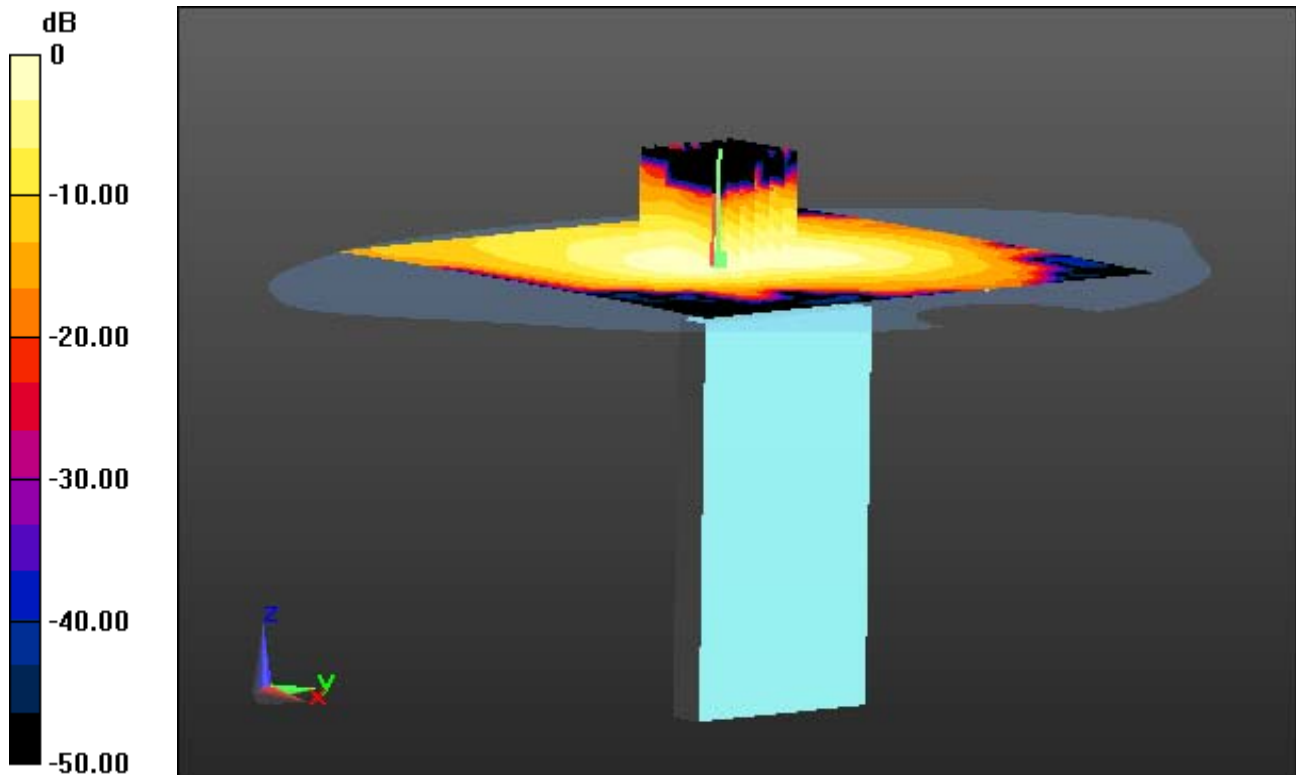
Area Scan (131x131x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.040 W/kg



0 dB = 0.108 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 53.227$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Top, W-LAN(802.11b) Ch. 11, Ant Internal

With Enlarge plot image

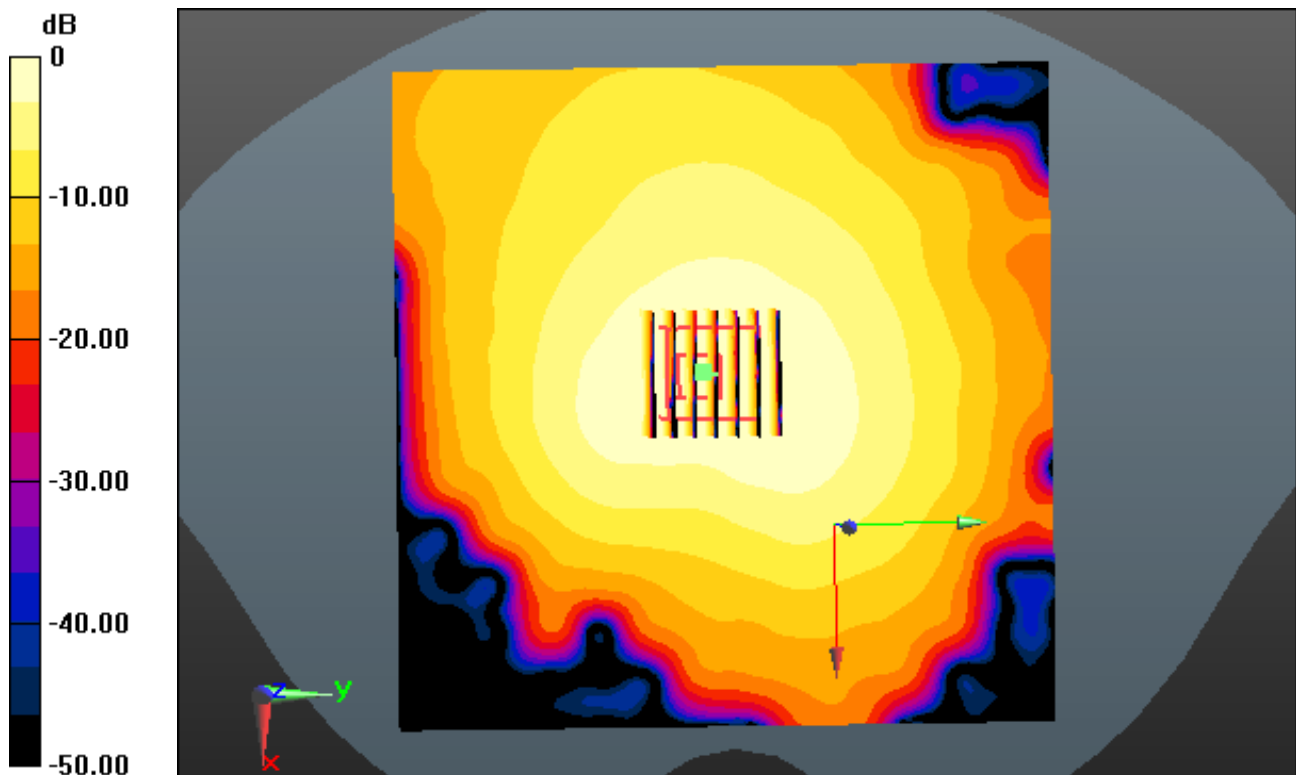
Area Scan (131x131x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.040 W/kg



0 dB = 0.108 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Front, W-LAN(802.11b) Ch. 11, Ant Internal

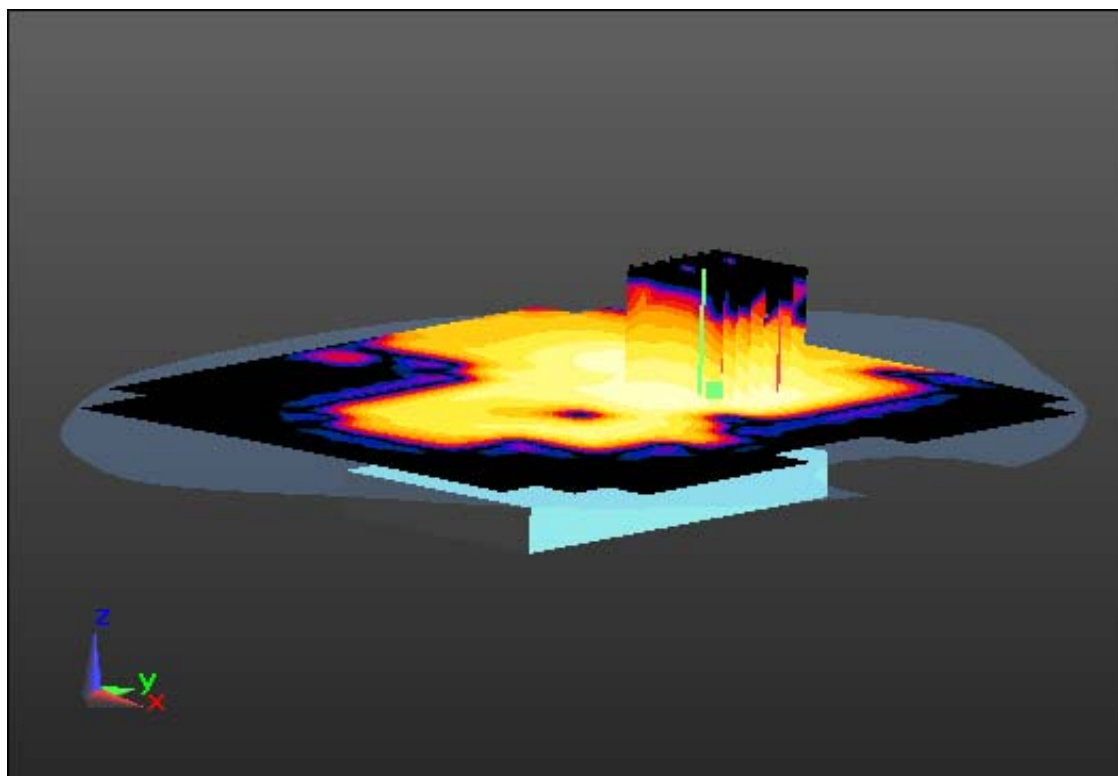
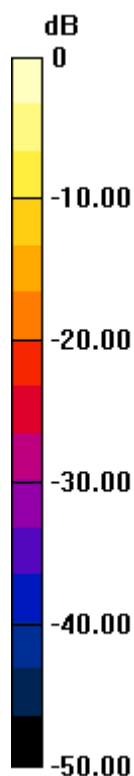
Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.027 W/kg



0 dB = 0.0761 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Front, W-LAN(802.11b) Ch. 11, Ant Internal

With Enlarge plot image

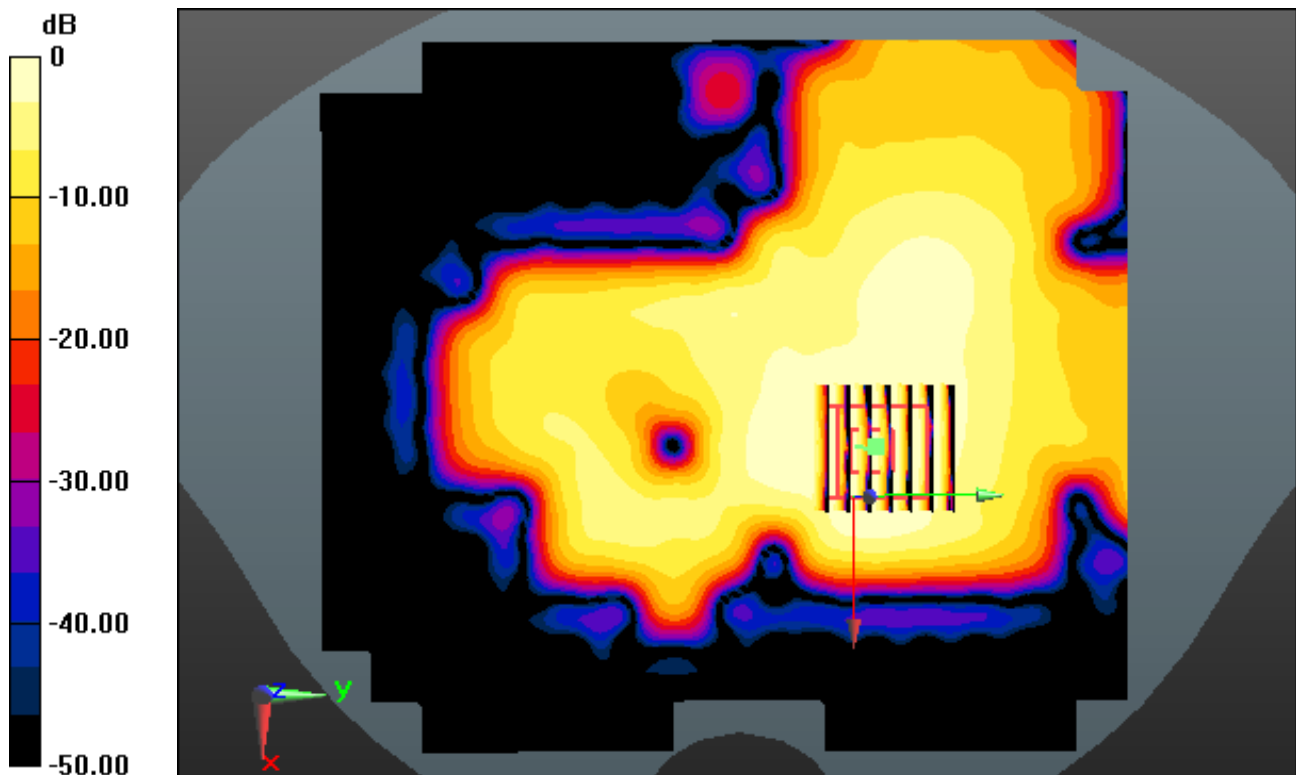
Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.027 W/kg



0 dB = 0.0761 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 53.358$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 1, Ant Internal

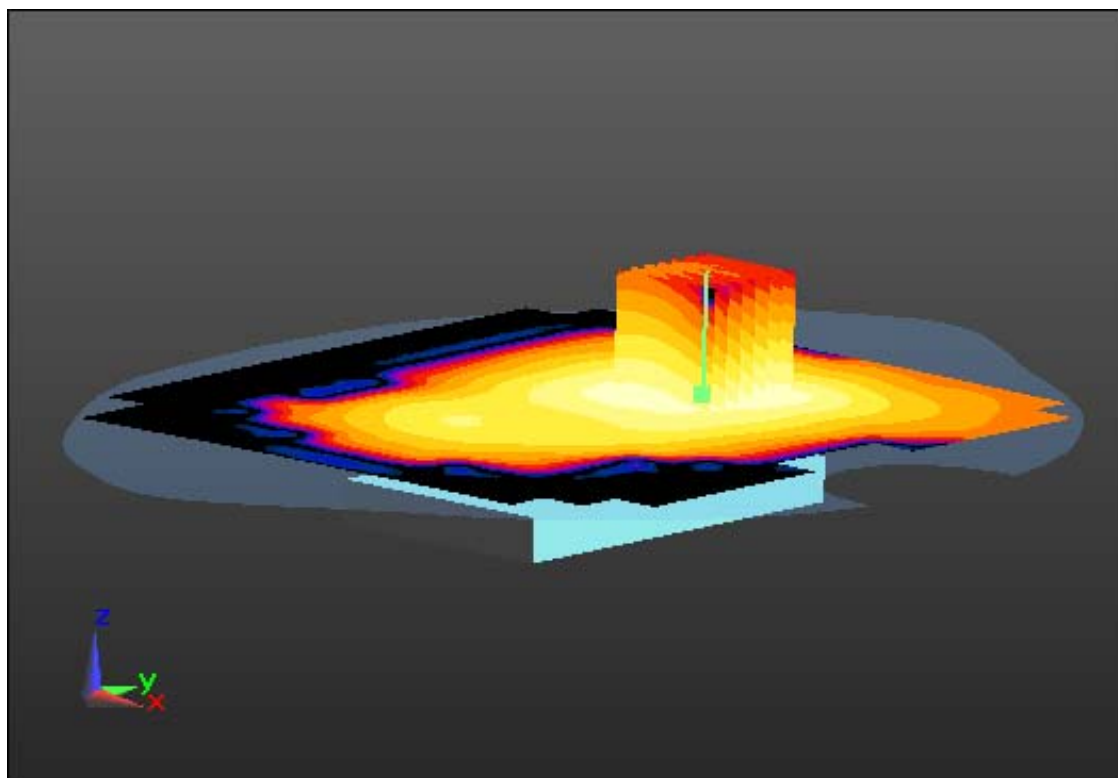
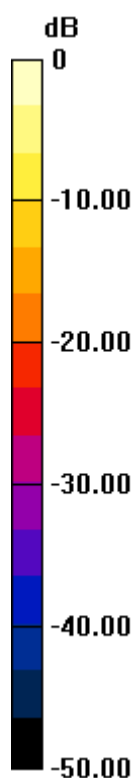
Area Scan (141x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.140 W/kg



0 dB = 0.379 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.955 \text{ S/m}$; $\epsilon_r = 53.358$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 1, Ant Internal

With Enlarge plot image

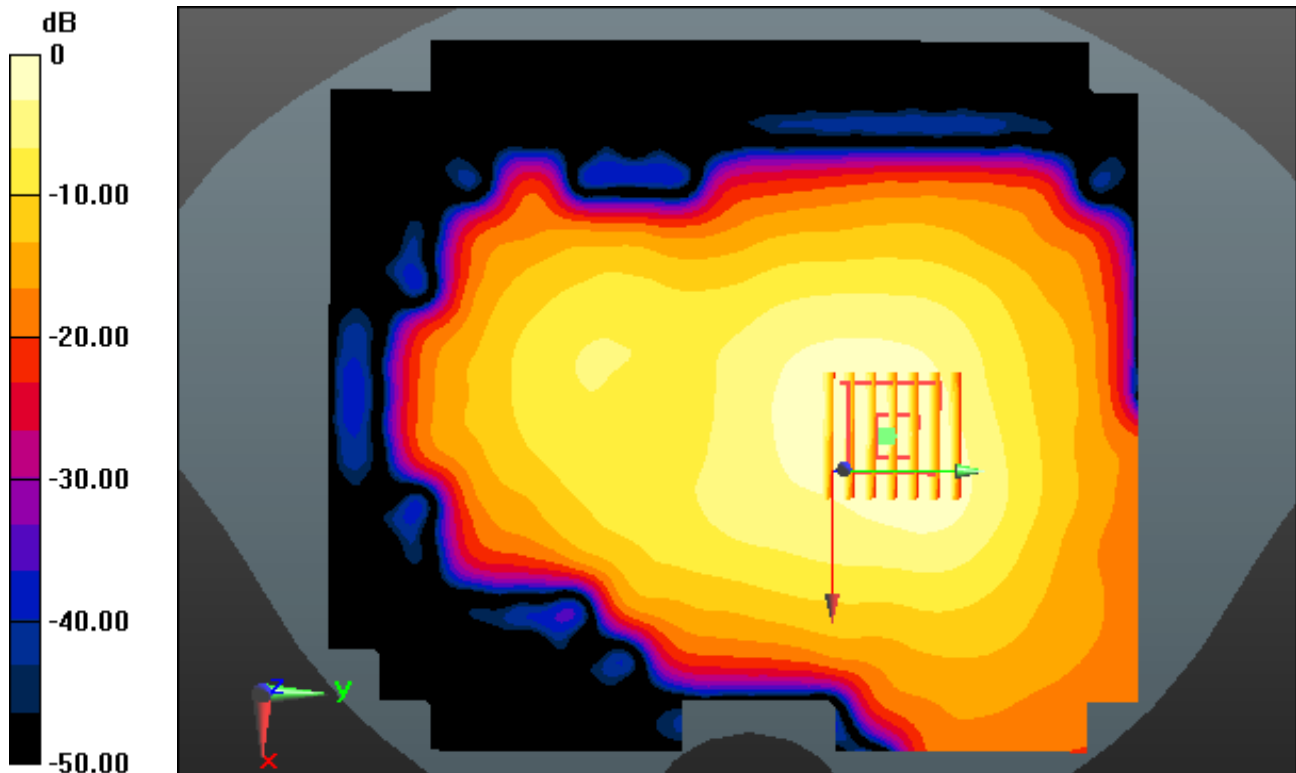
Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.140 W/kg



0 dB = 0.379 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 53.29$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal

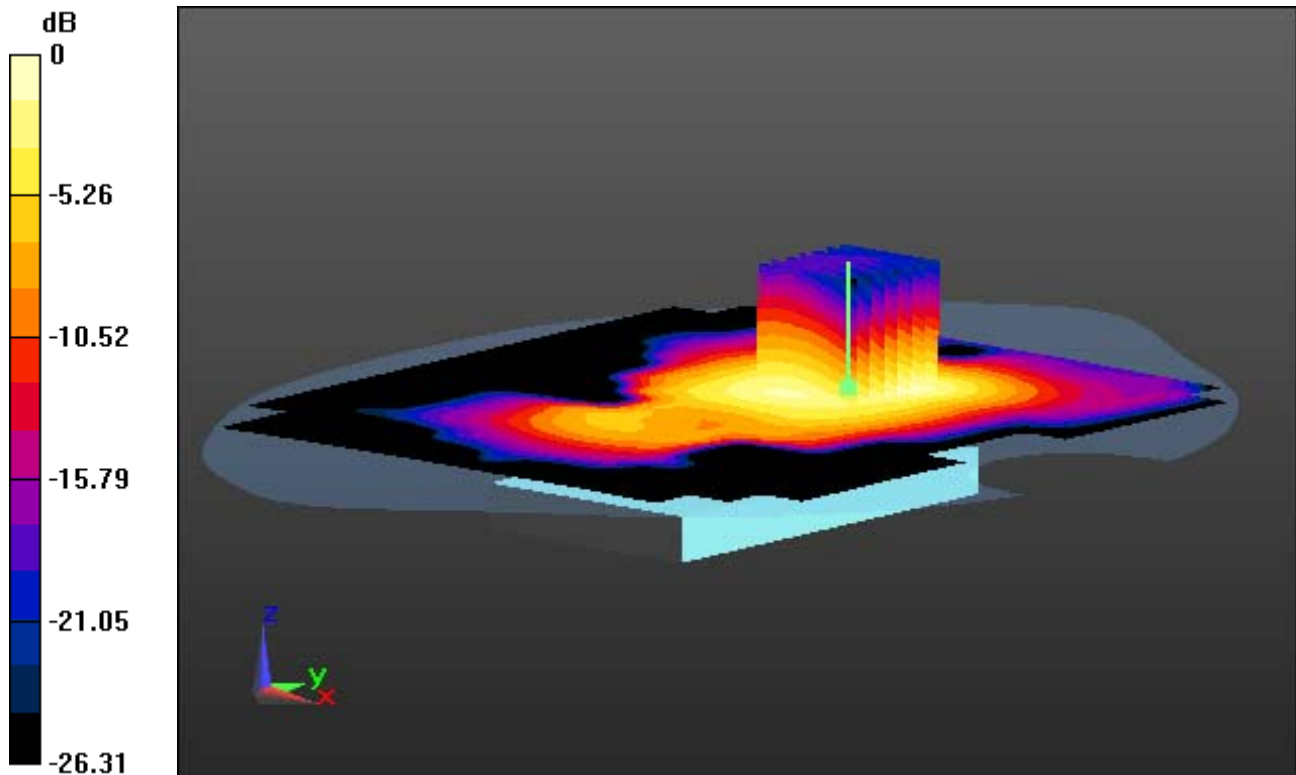
Area Scan (141x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.159 W/kg



0 dB = 0.424 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 53.29$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal

With Enlarge plot image

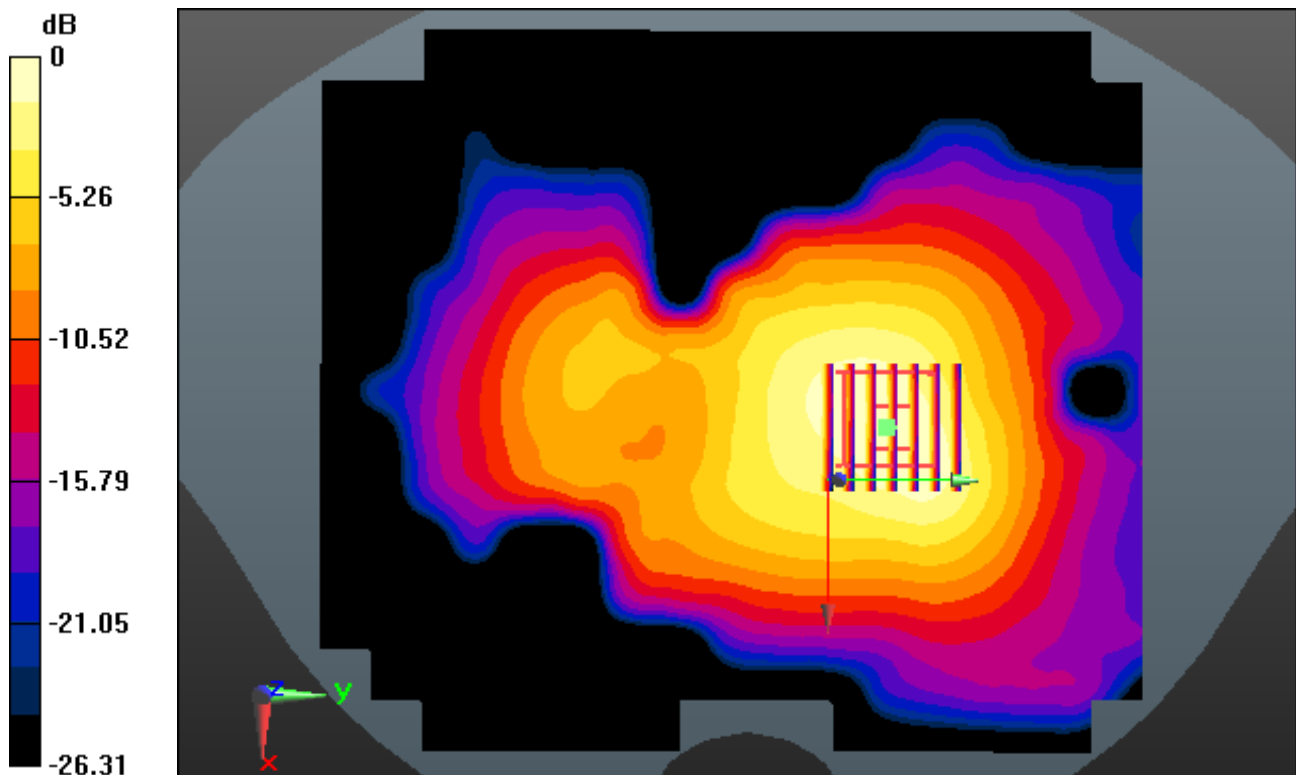
Area Scan (141x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.159 W/kg



0 dB = 0.424 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

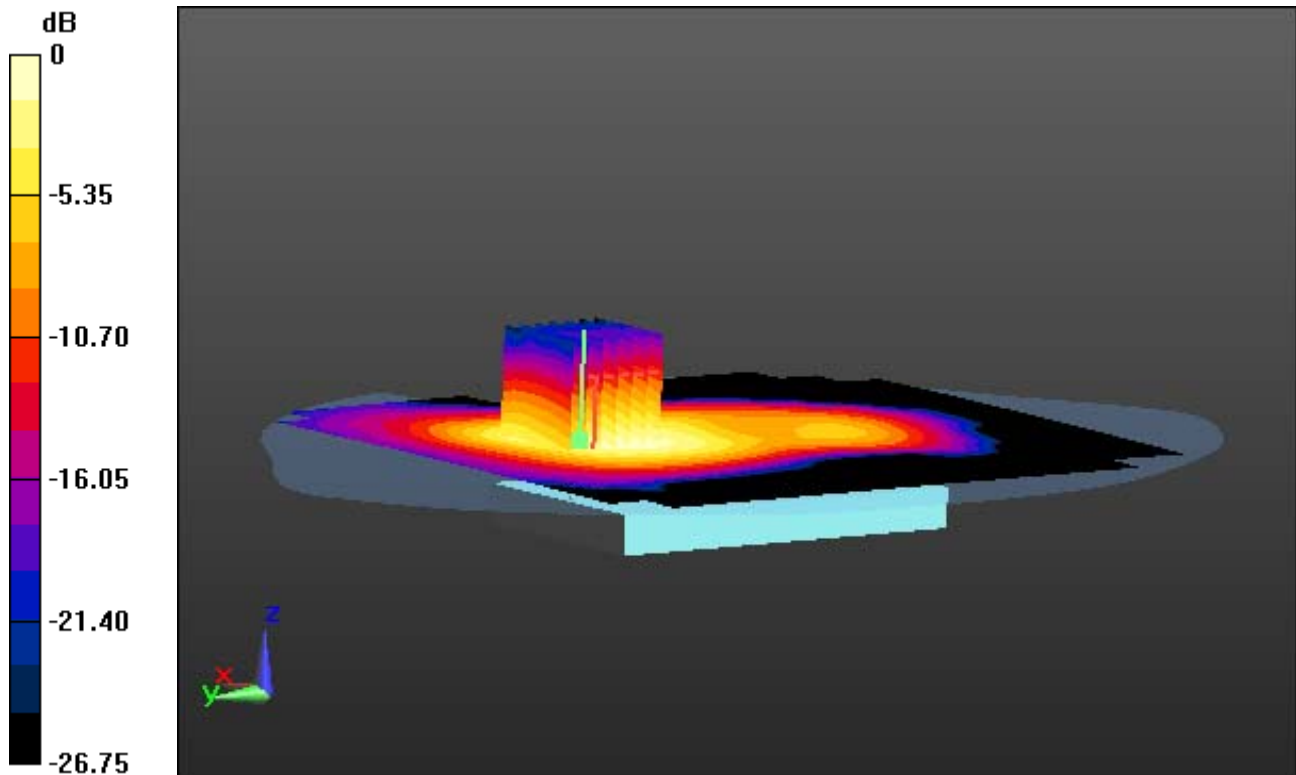
Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.176 W/kg



0 dB = 0.460 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

With Enlarge plot image

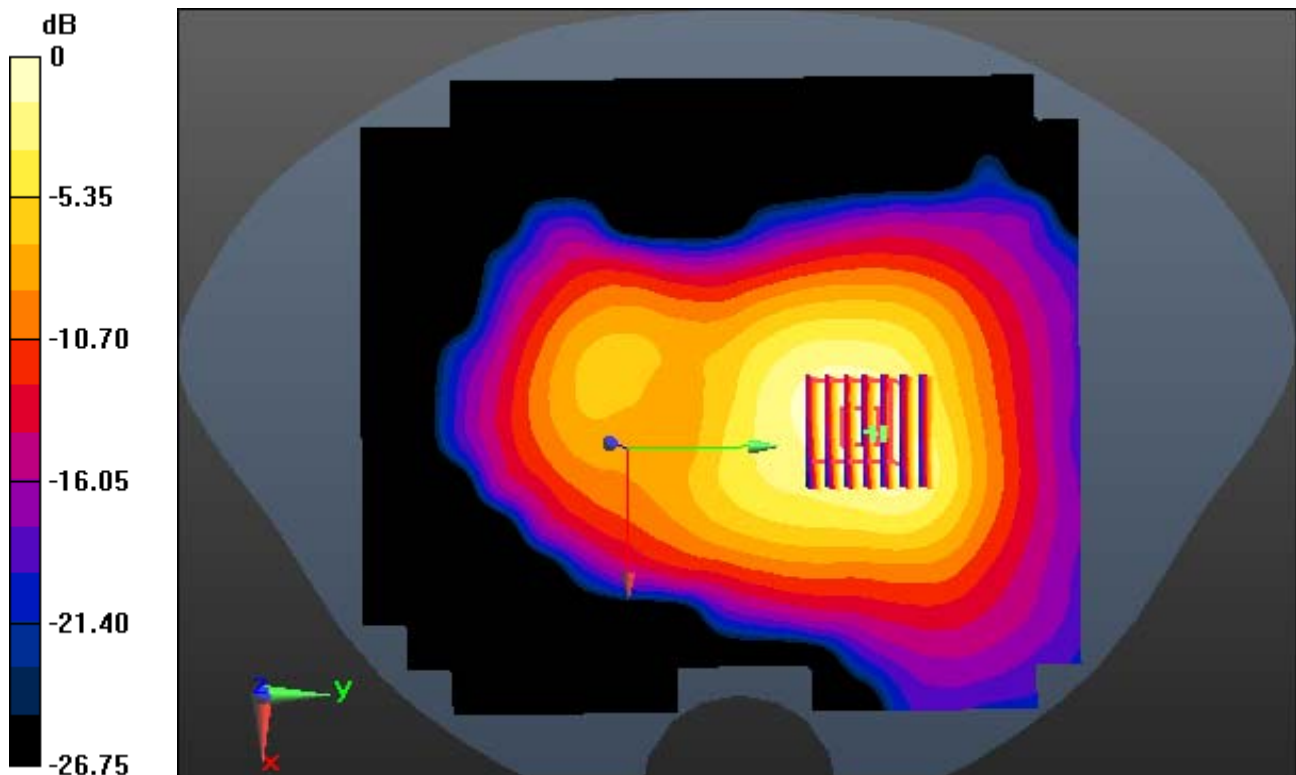
Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.176 W/kg



0 dB = 0.460 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Left, W-LAN(802.11b) Ch. 11, Ant Internal

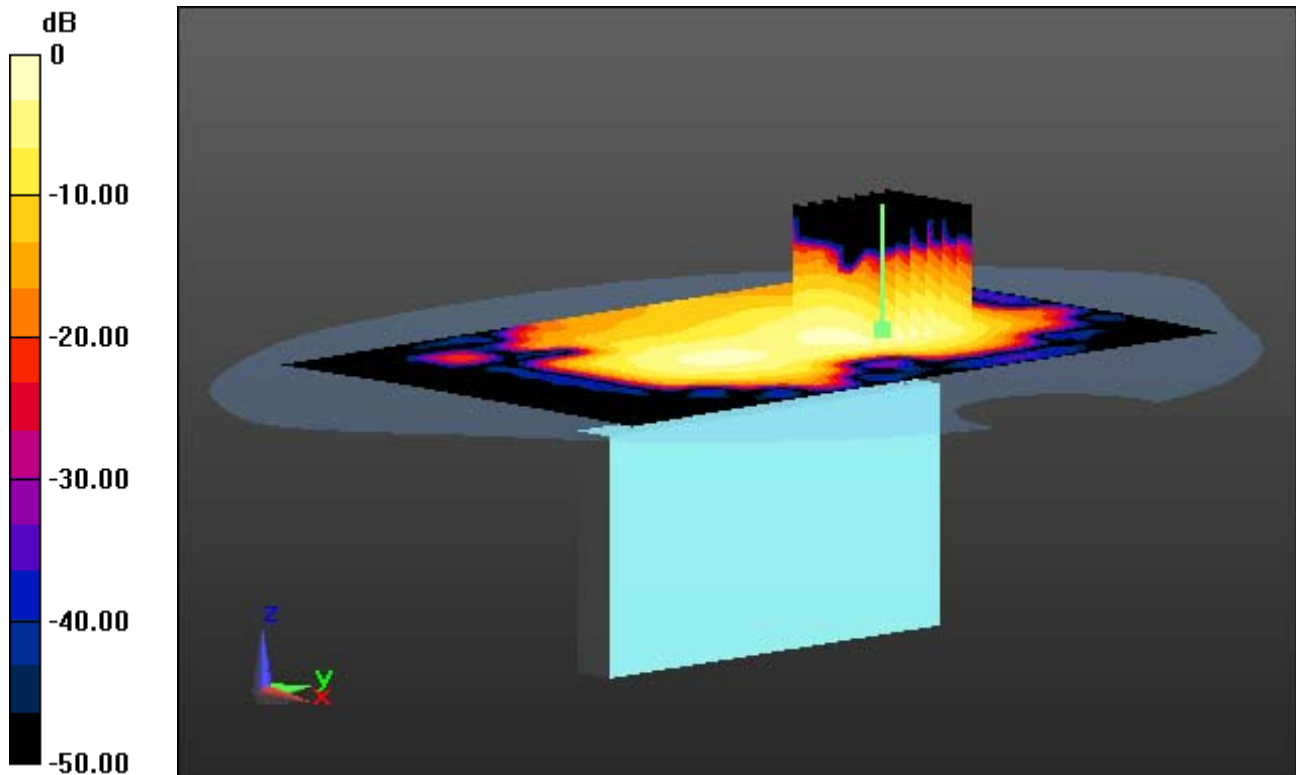
Area Scan (101x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.056 W/kg



0 dB = 0.192 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D160; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.021 \text{ S/m}$; $\epsilon_r = 53.227$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-01-27; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Left, W-LAN(802.11b) Ch. 11, Ant Internal

With Enlarge plot image

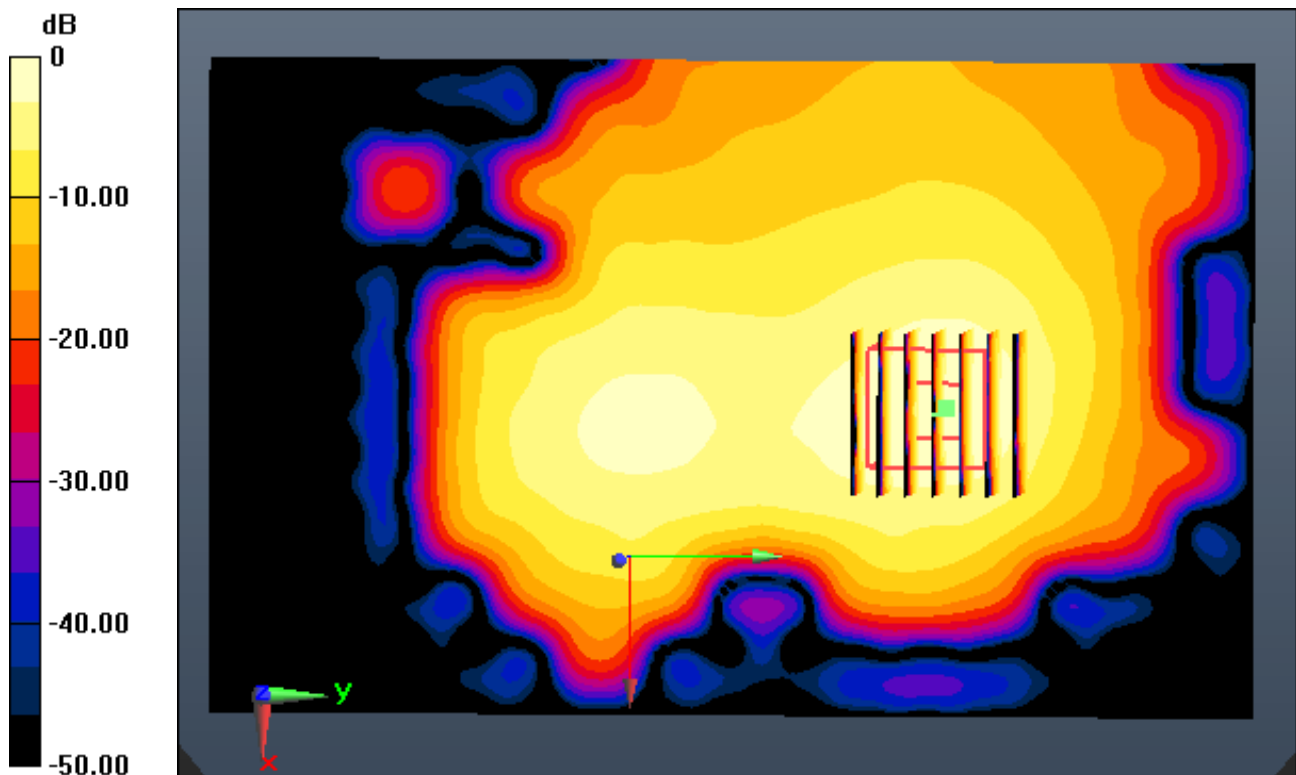
Area Scan (101x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.056 W/kg



0 dB = 0.192 W/kg