SAR Test Plots

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

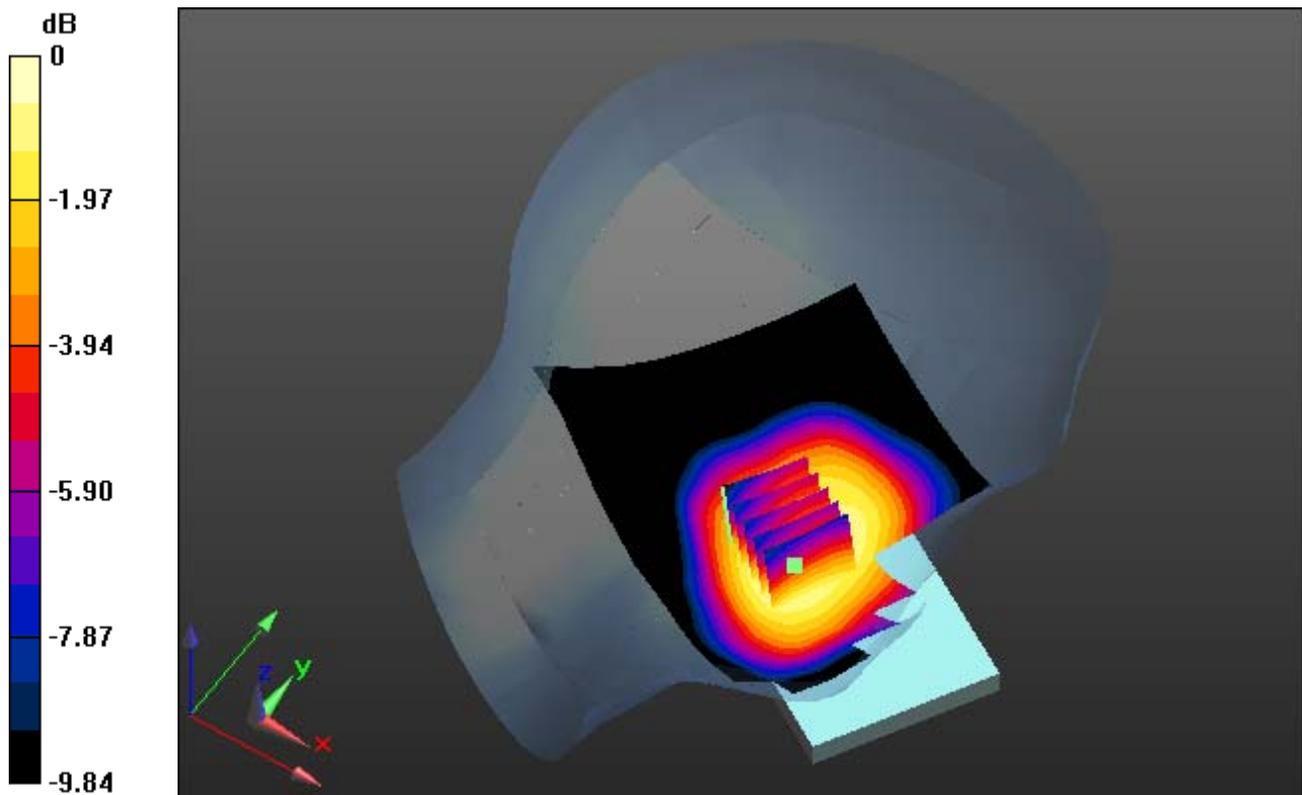## Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.583 mW/g
SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.356 W/kg

0 dB = 0.528 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; $ε_r$ = 41.715; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

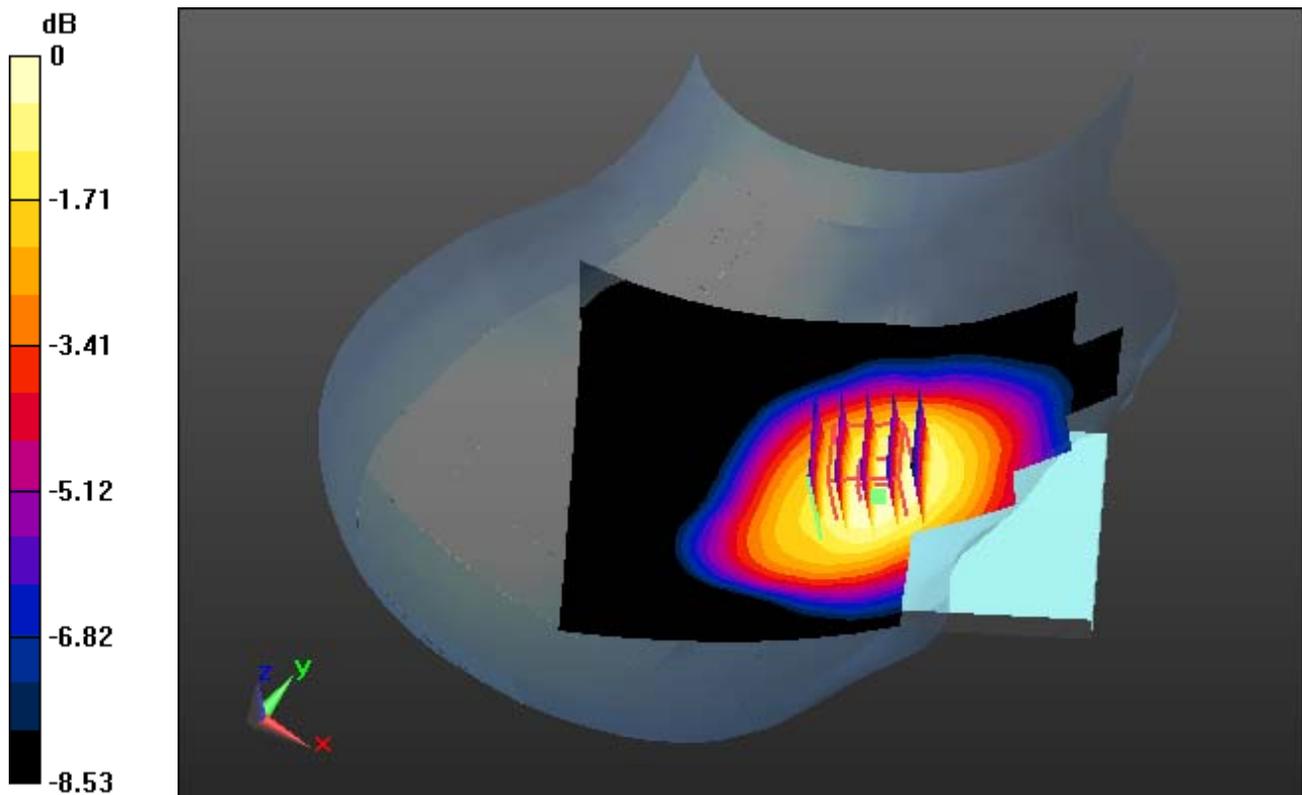Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

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

Area Scan (81x121x1): Measurement 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) = 0.350 mW/g
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.218 W/kg

0 dB = 0.322 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

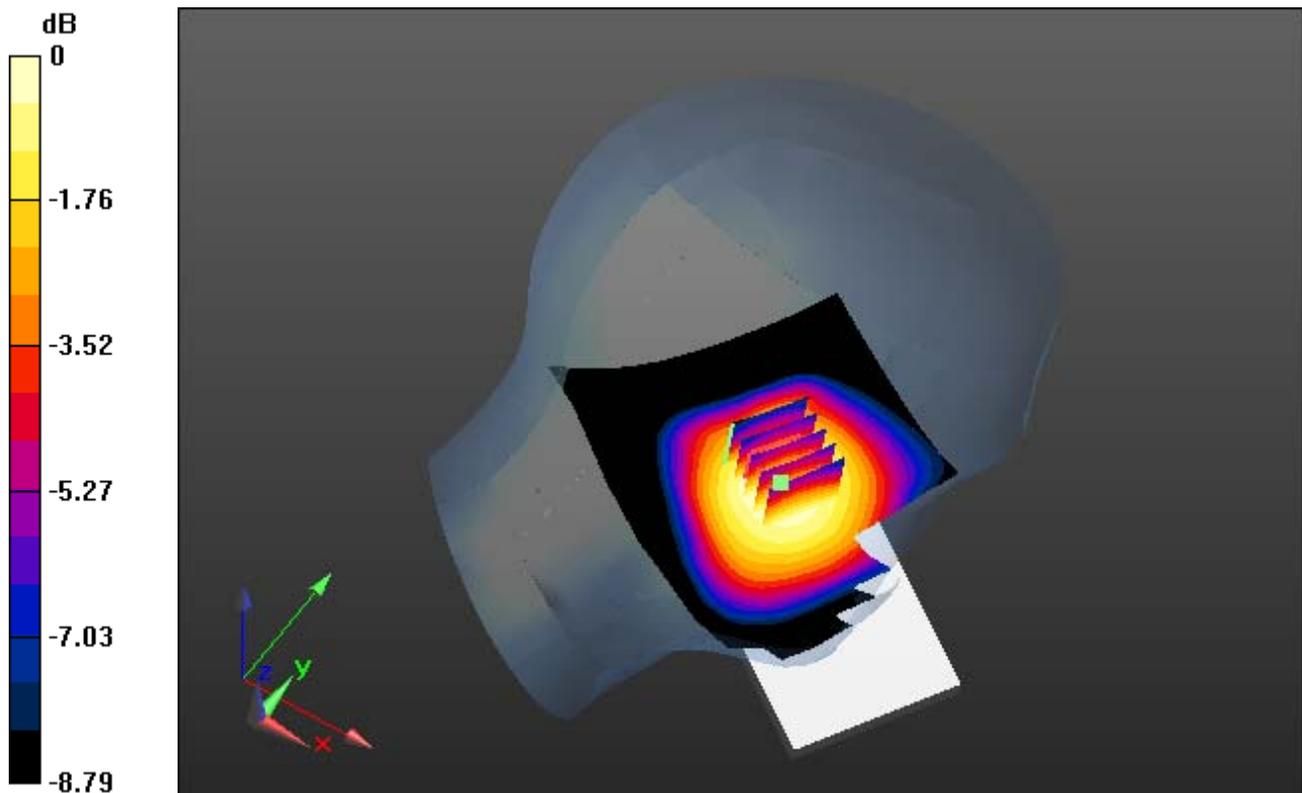## Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.343 mW/g
SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.219 W/kg

0 dB = 0.318 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

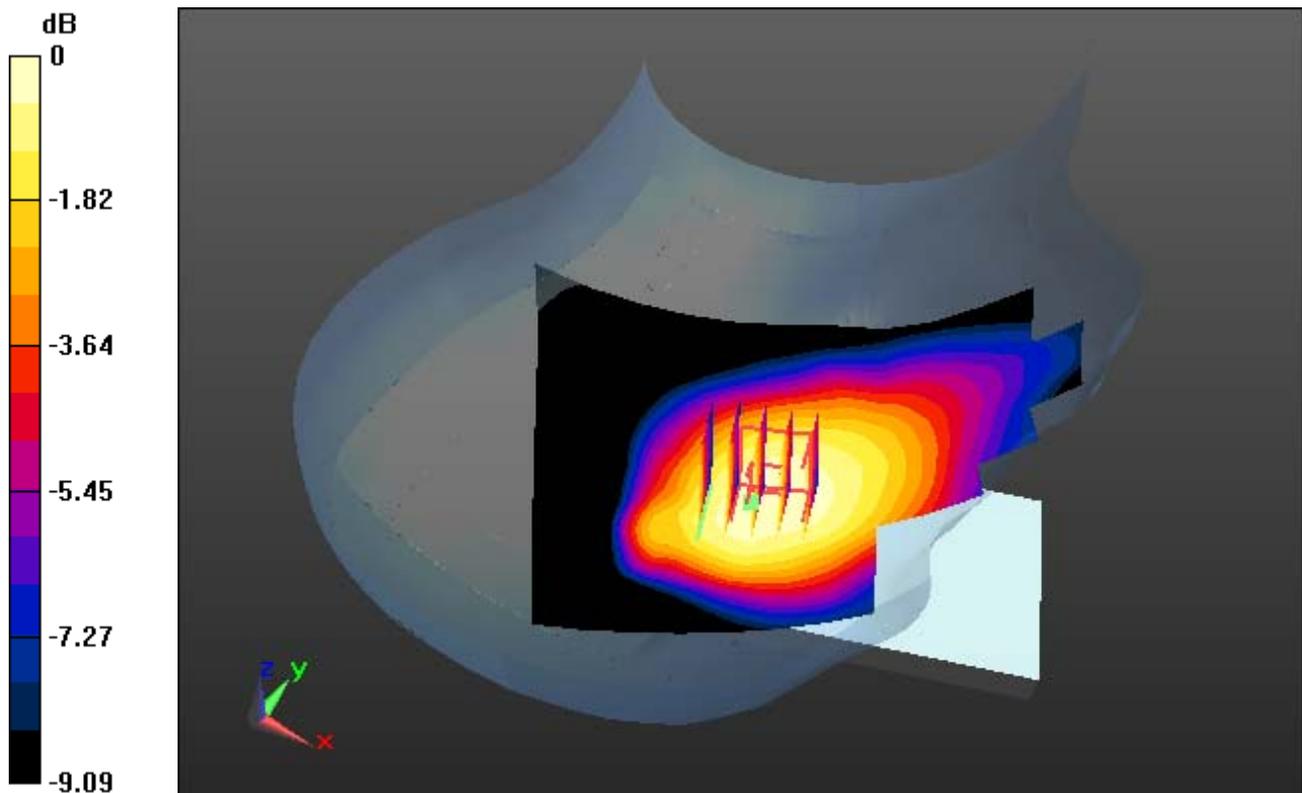### Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement 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) = 0.270 mW/g
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.170 W/kg

0 dB = 0.247 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

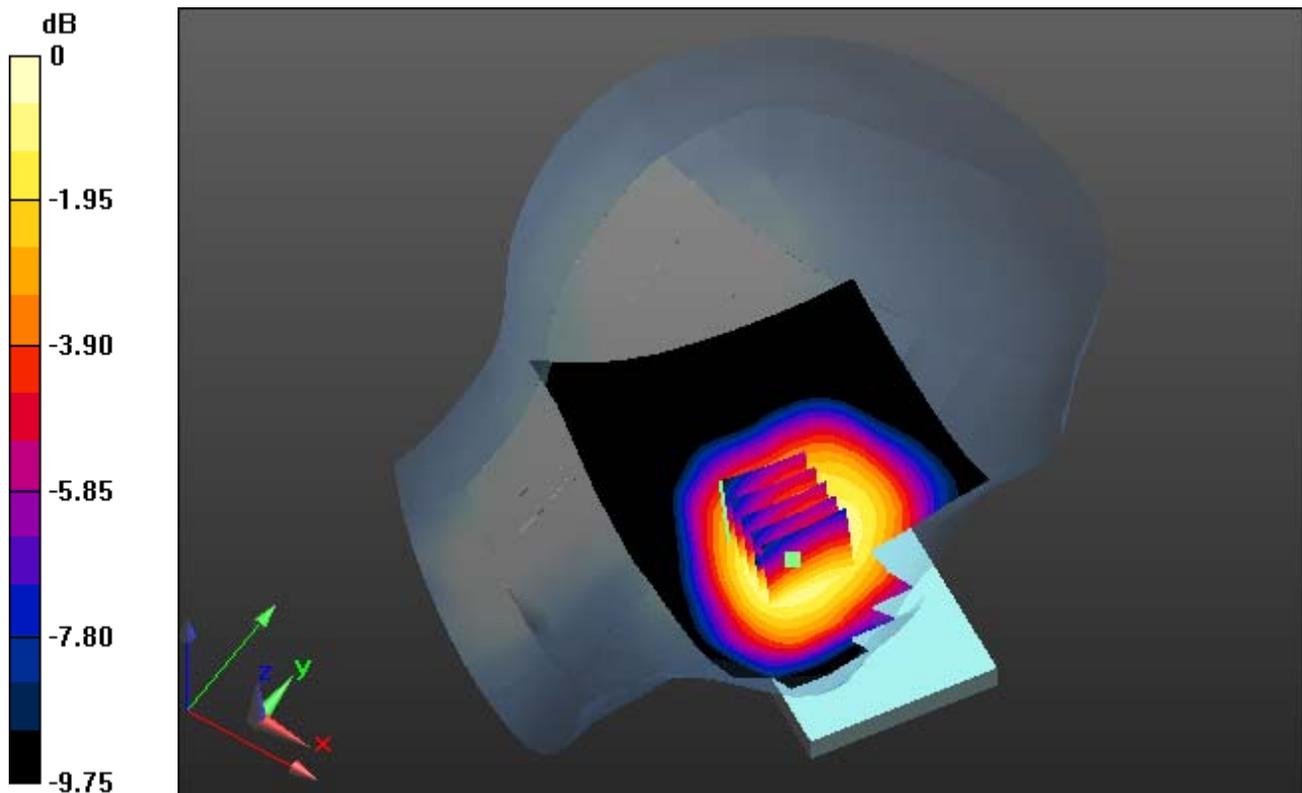## Left Touch, GSM850 GPRS 1 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.549 mW/g
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.334 W/kg

0 dB = 0.498 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

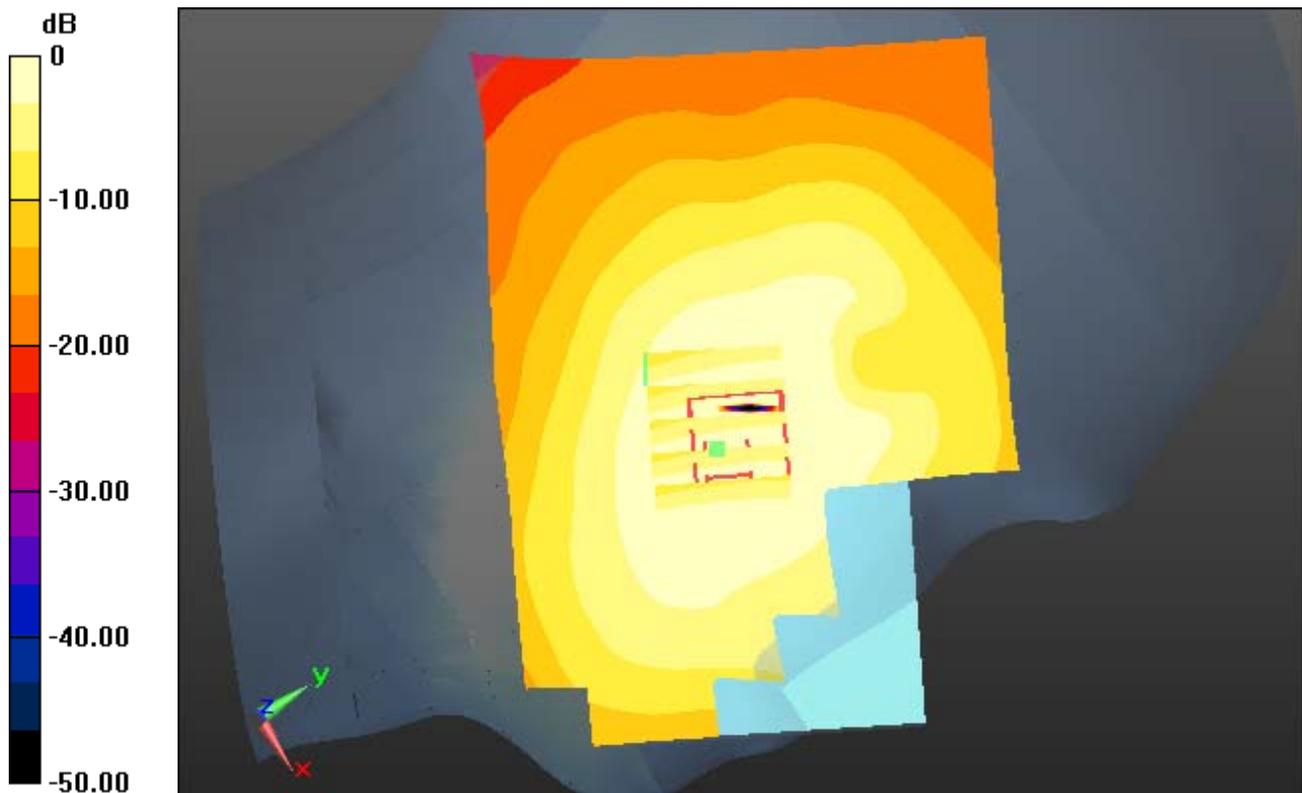## Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.973 mW/g
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.398 W/kg

0 dB = 0.624 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

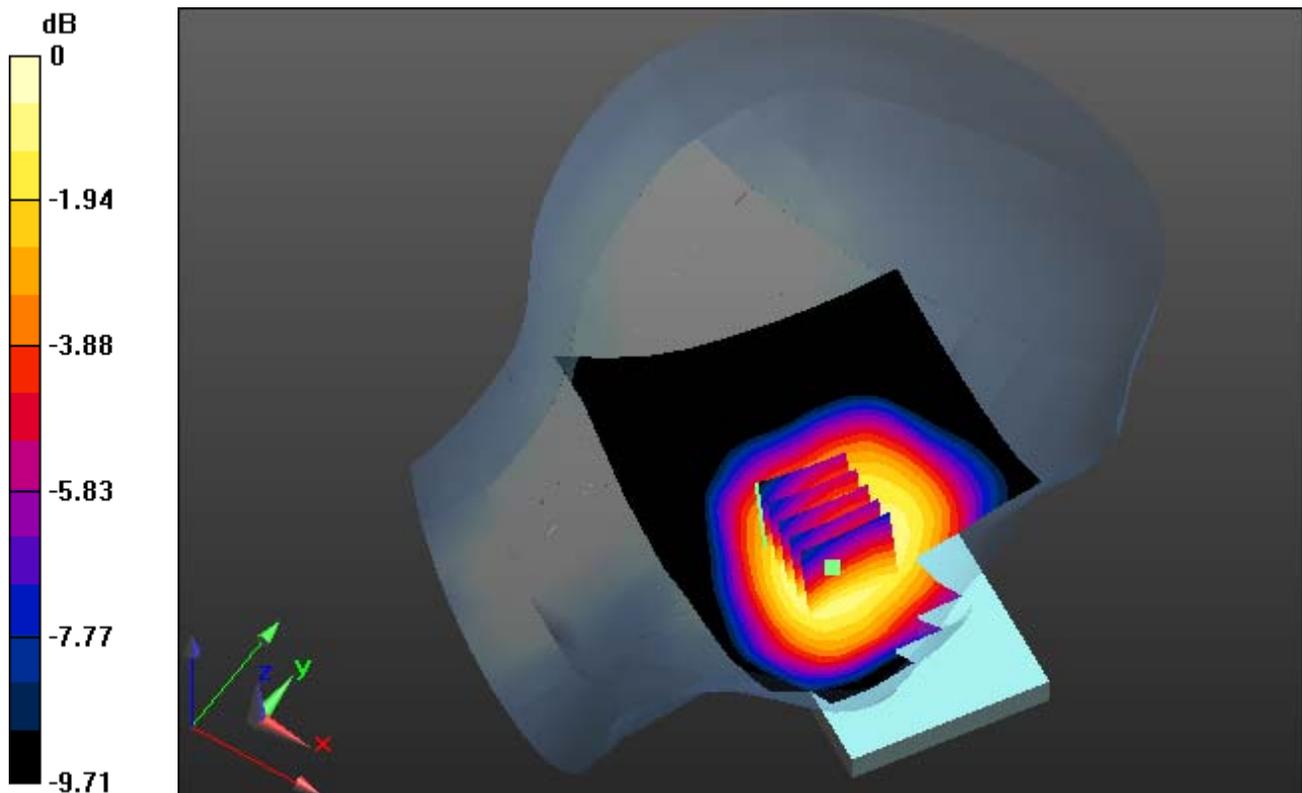### Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.650 mW/g
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.371 W/kg

0 dB = 0.574 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar\

Communication System: GSM 850_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

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

Area Scan (81x131x1): Measurement 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) = 0.472 mW/g
SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.285 W/kg

0 dB = 0.425 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

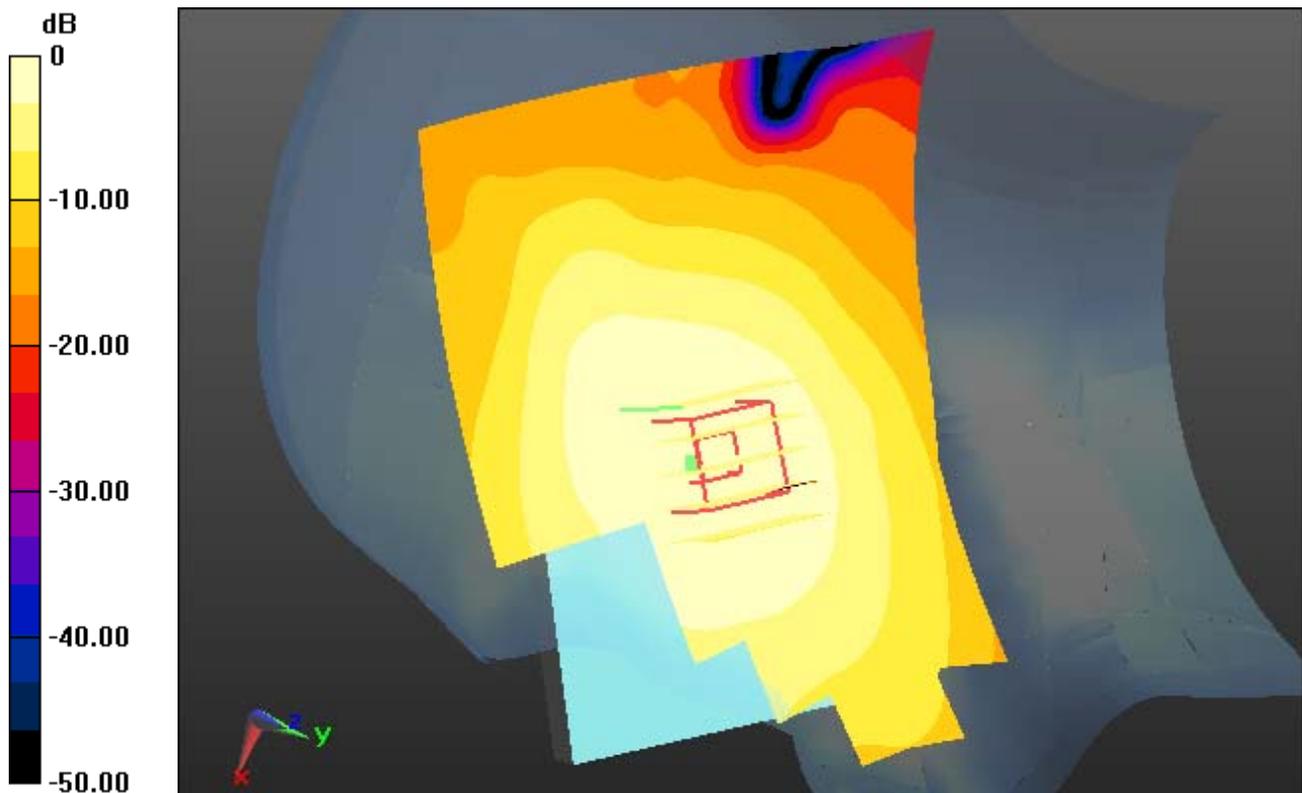## Right Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement 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) = 0.461 mW/g
SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.288 W/kg

0 dB = 0.423 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

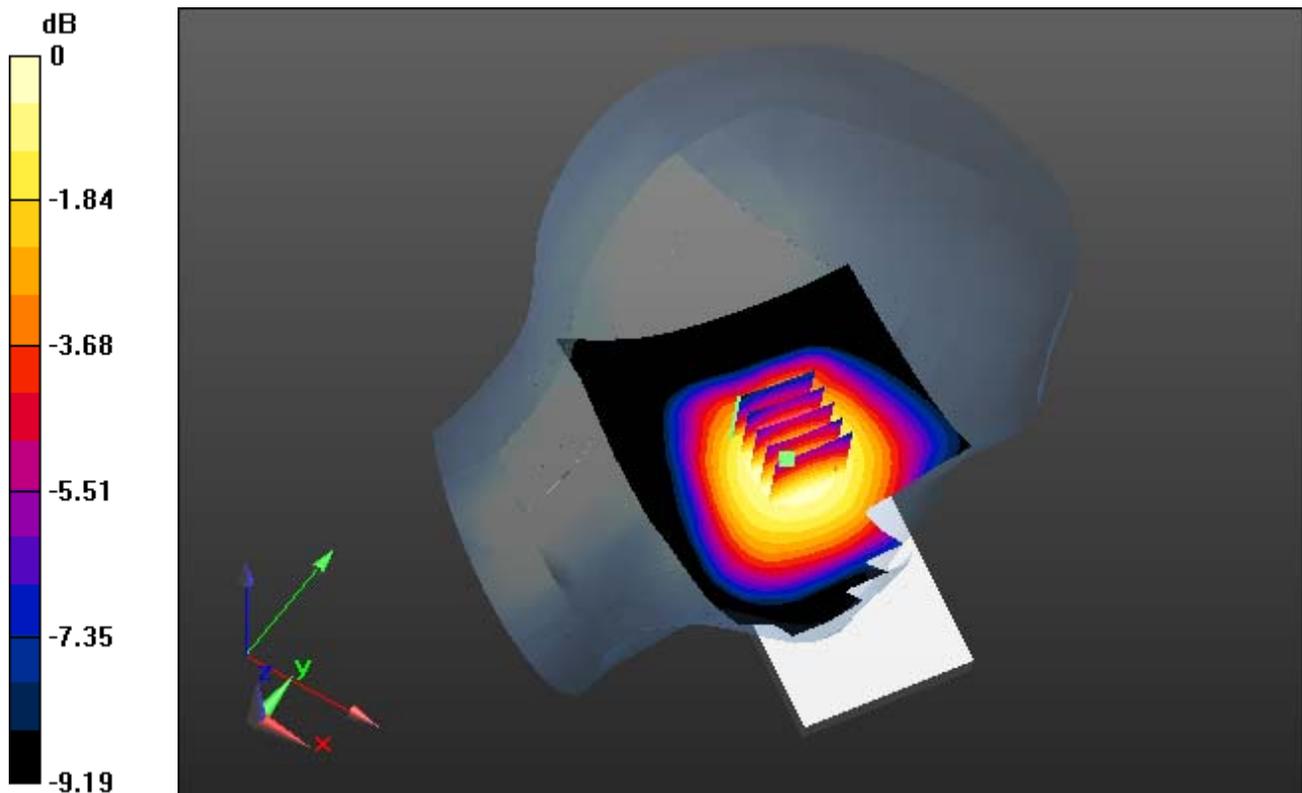### Left Tilt, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.376 mW/g
SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.236 W/kg

0 dB = 0.345 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.897 mho/m; ε_r = 41.715; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

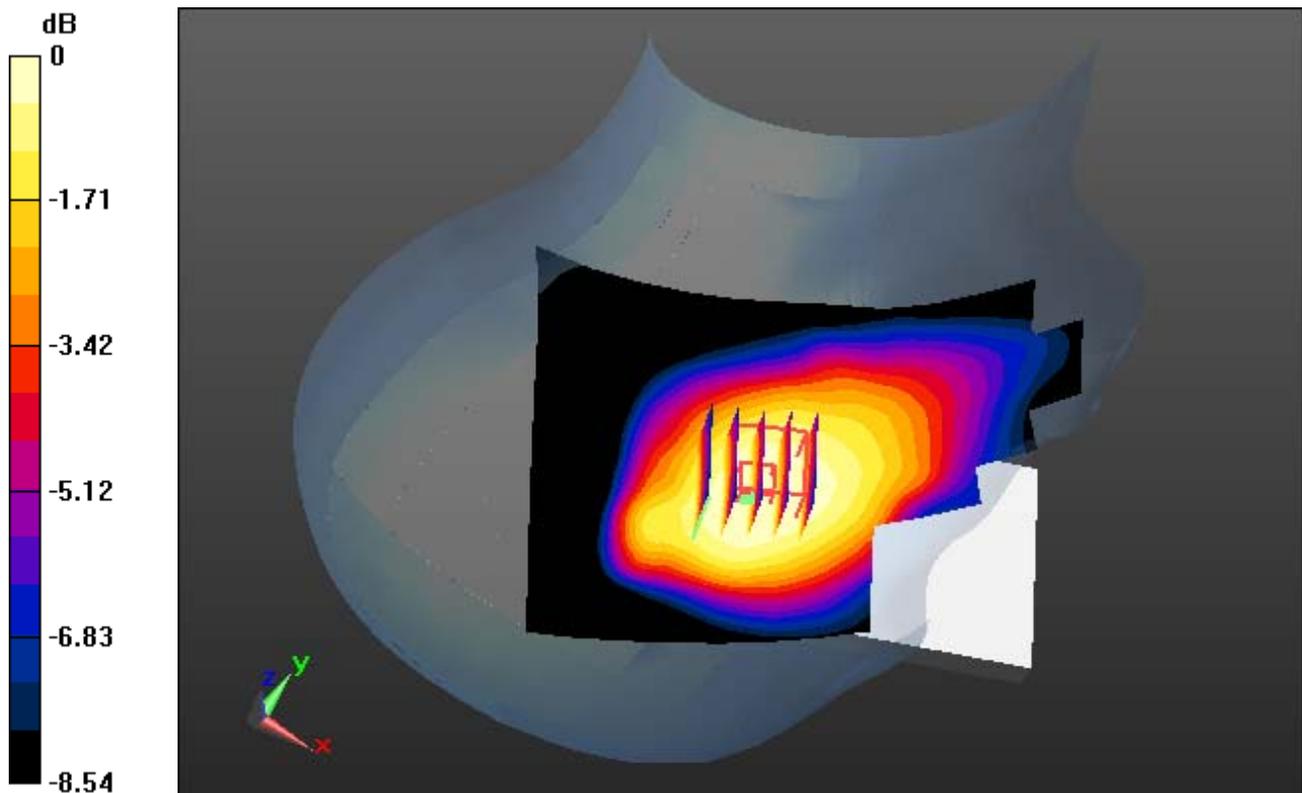## Right Tilt, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.259 mW/g
SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.163 W/kg

0 dB = 0.233 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

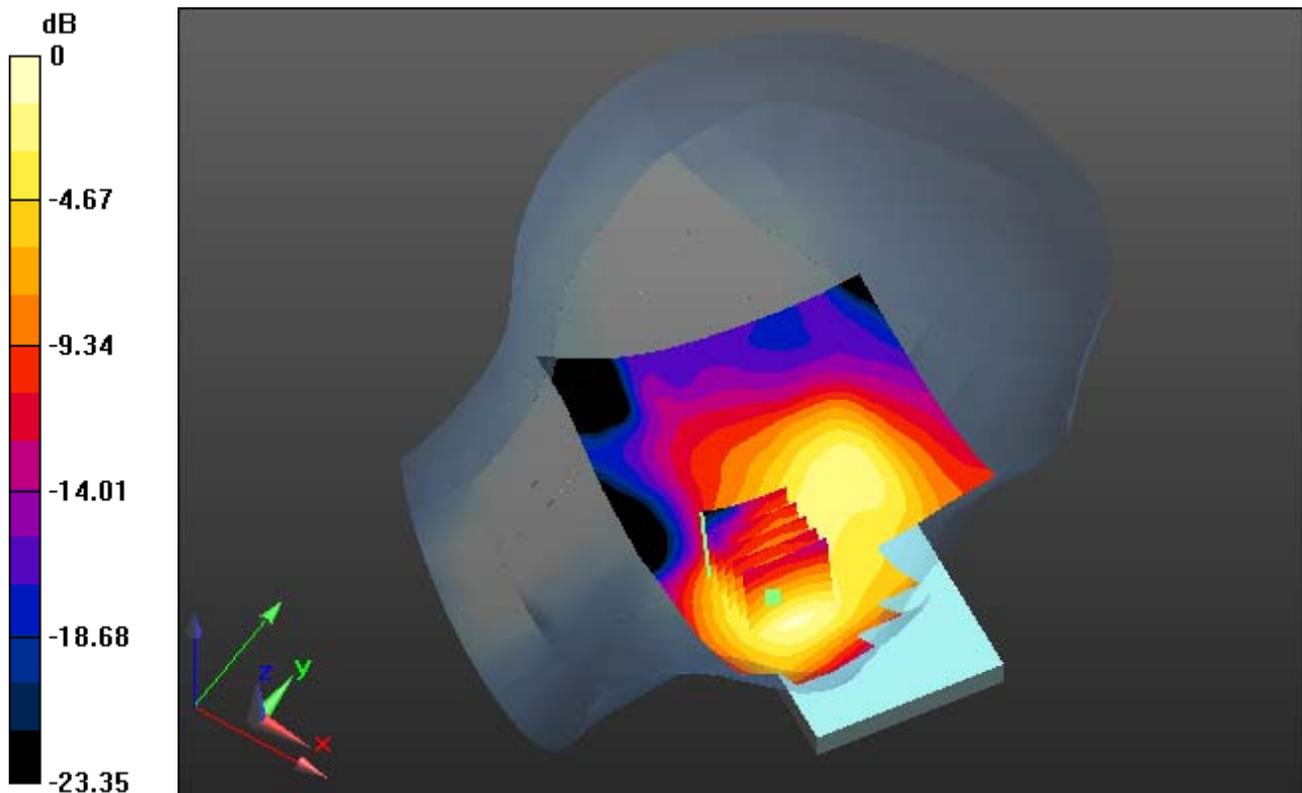## Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.398 mW/g
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.158 W/kg

0 dB = 0.328 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; $ε_r$ = 39.582; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
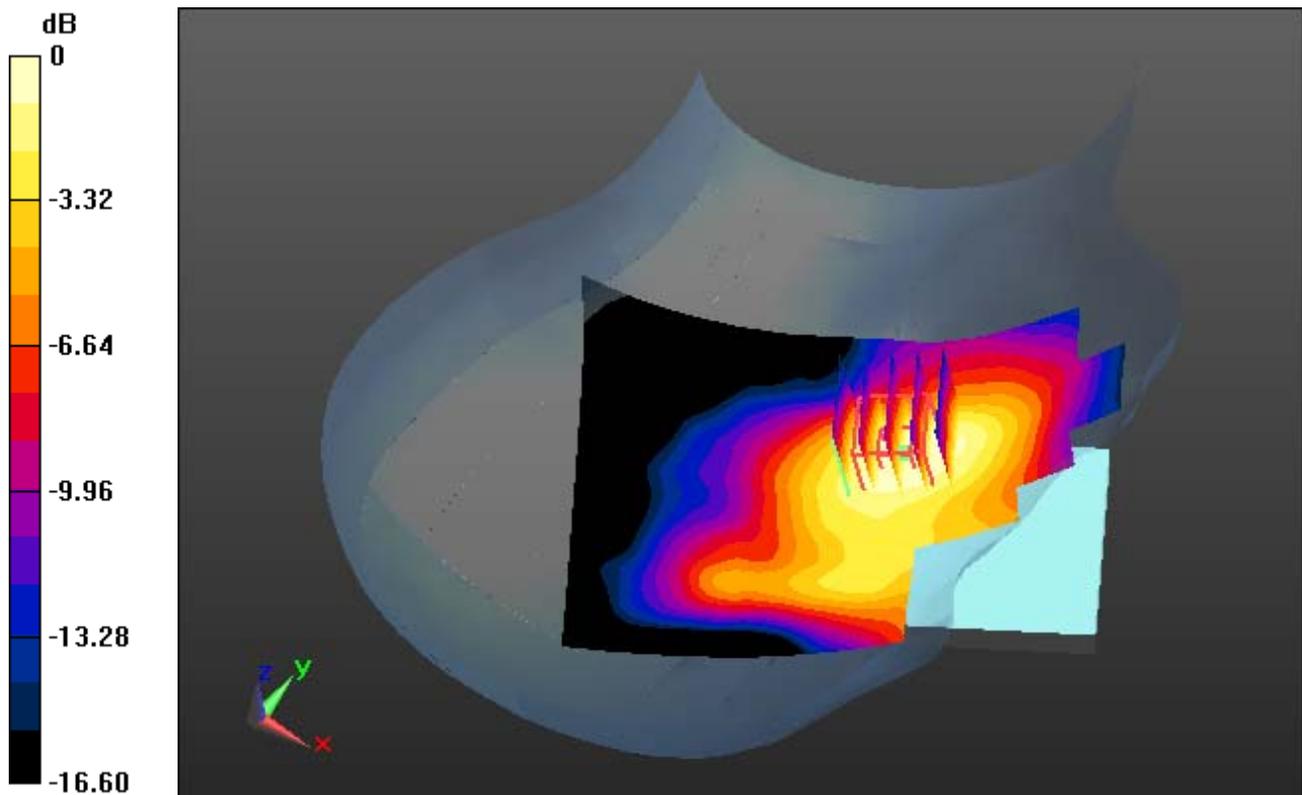
Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

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

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.341 mW/g
SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.136 W/kg

0 dB = 0.281 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; $ε_r$ = 39.582; ρ = 1000 kg/m^3
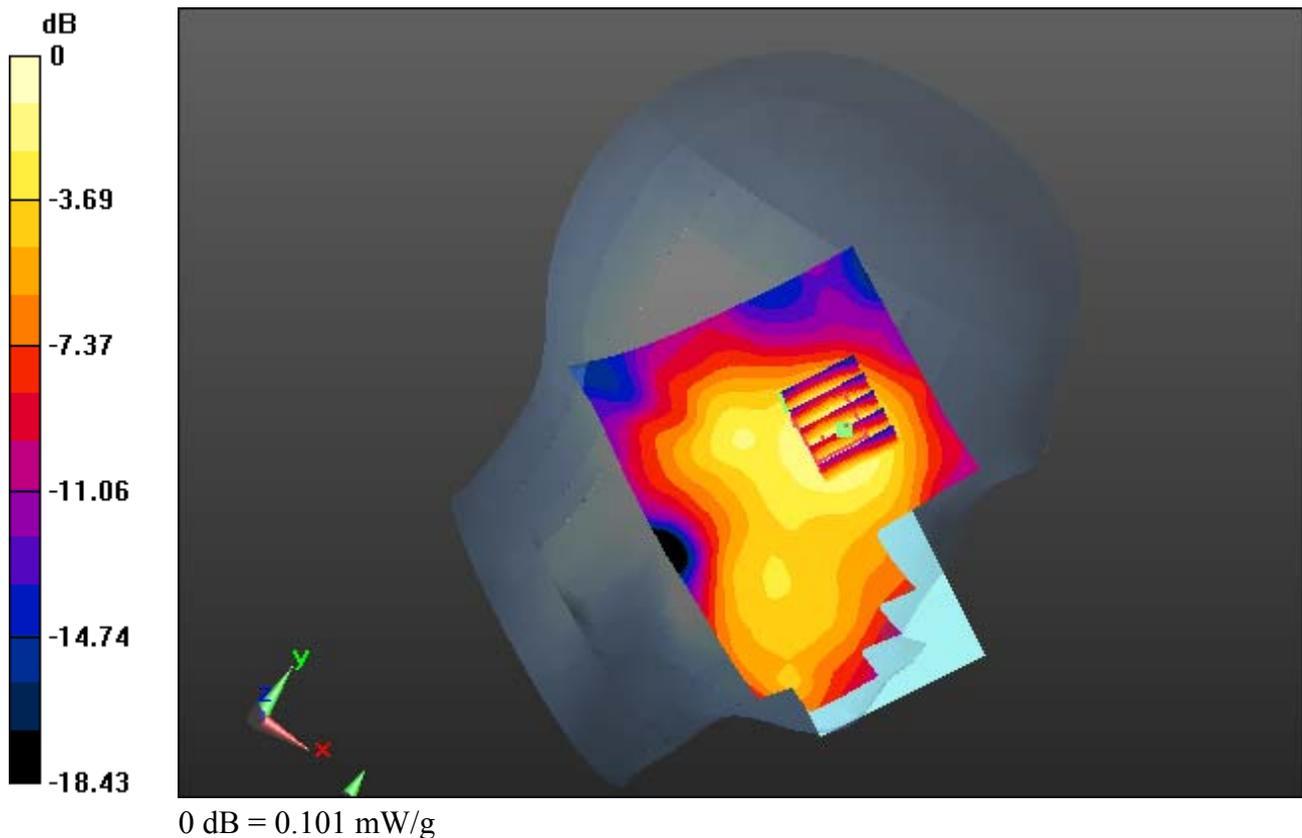Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

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

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.124 mW/g
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.050 W/kg

0 dB = 0.101 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3
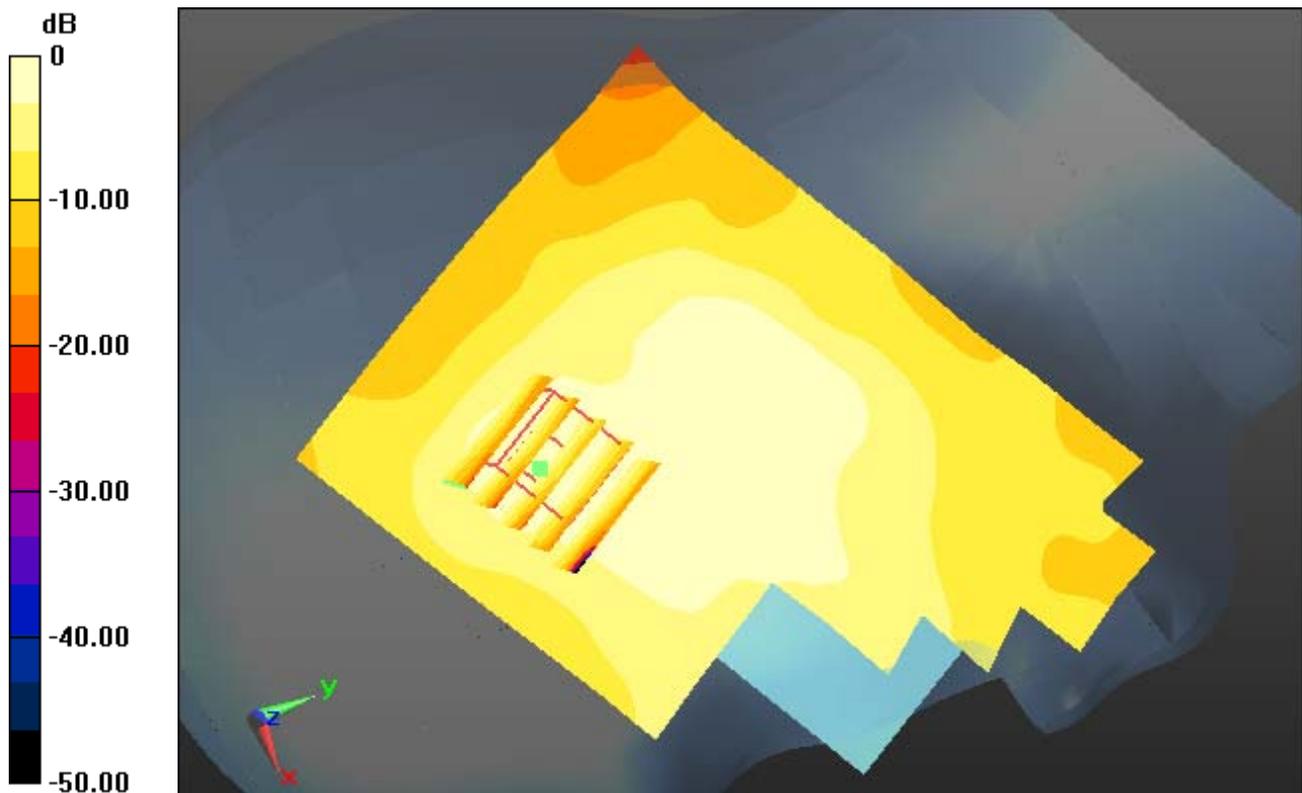Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

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

Area Scan (81x121x1): Measurement 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) = 0.112 mW/g
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.037 W/kg

0 dB = 0.0872 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m³

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

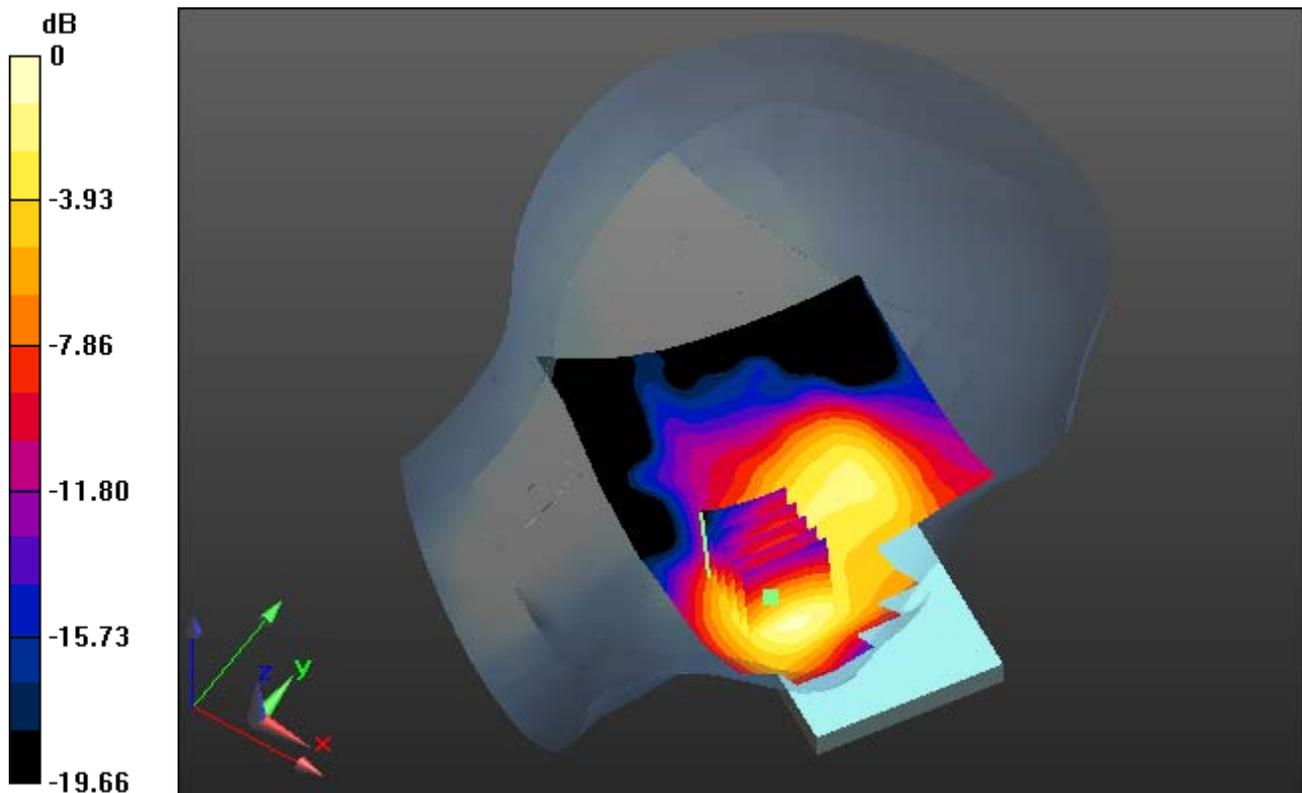## Left Touch, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.360 mW/g
SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.141 W/kg

0 dB = 0.295 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

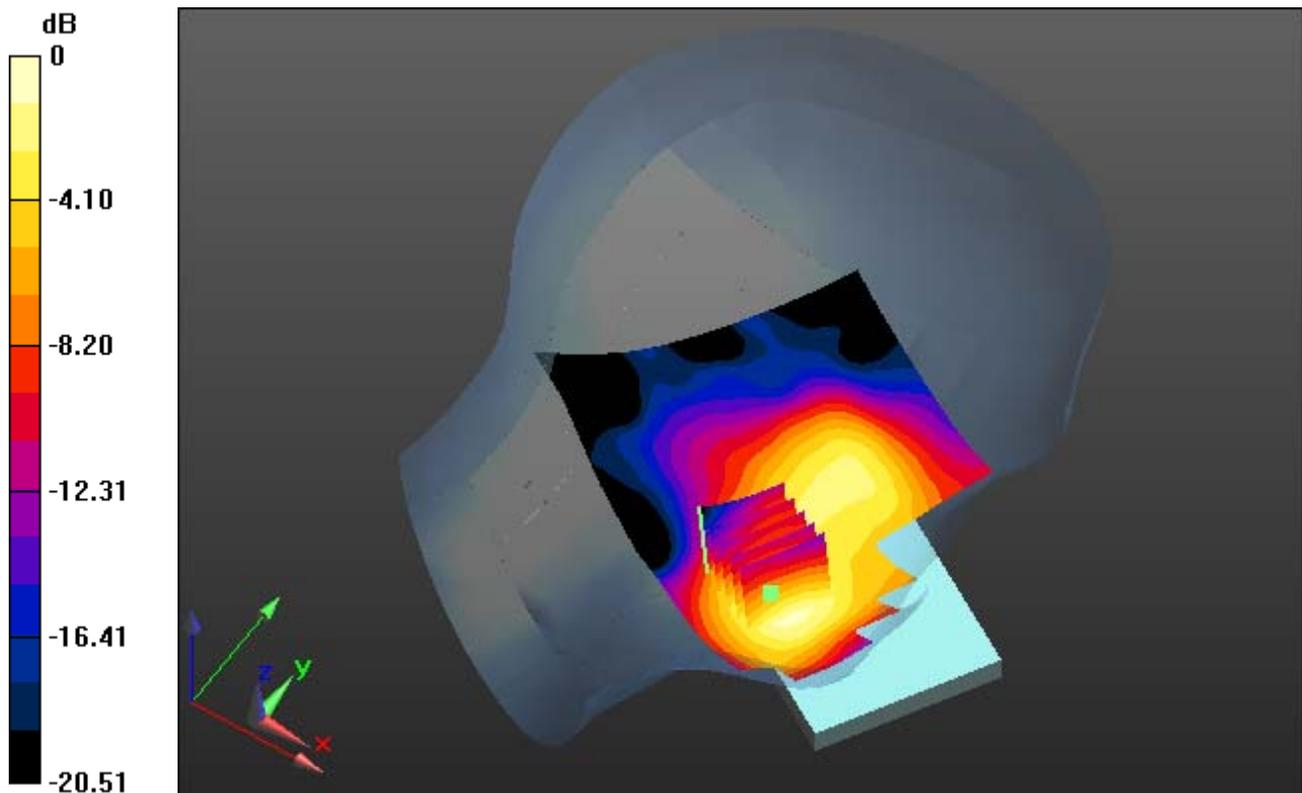### Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.576 mW/g
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.230 W/kg

0 dB = 0.476 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

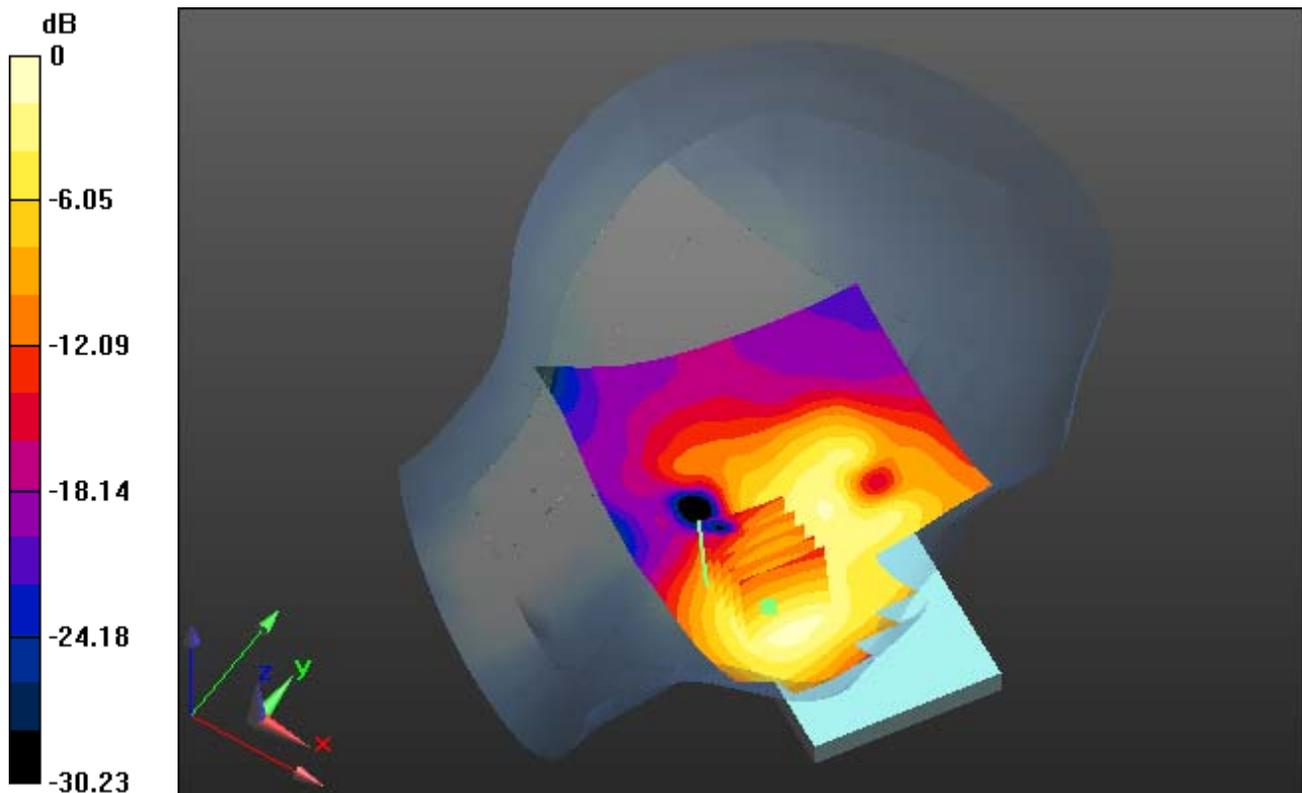## Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.884 mW/g
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.350 W/kg

0 dB = 0.728 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

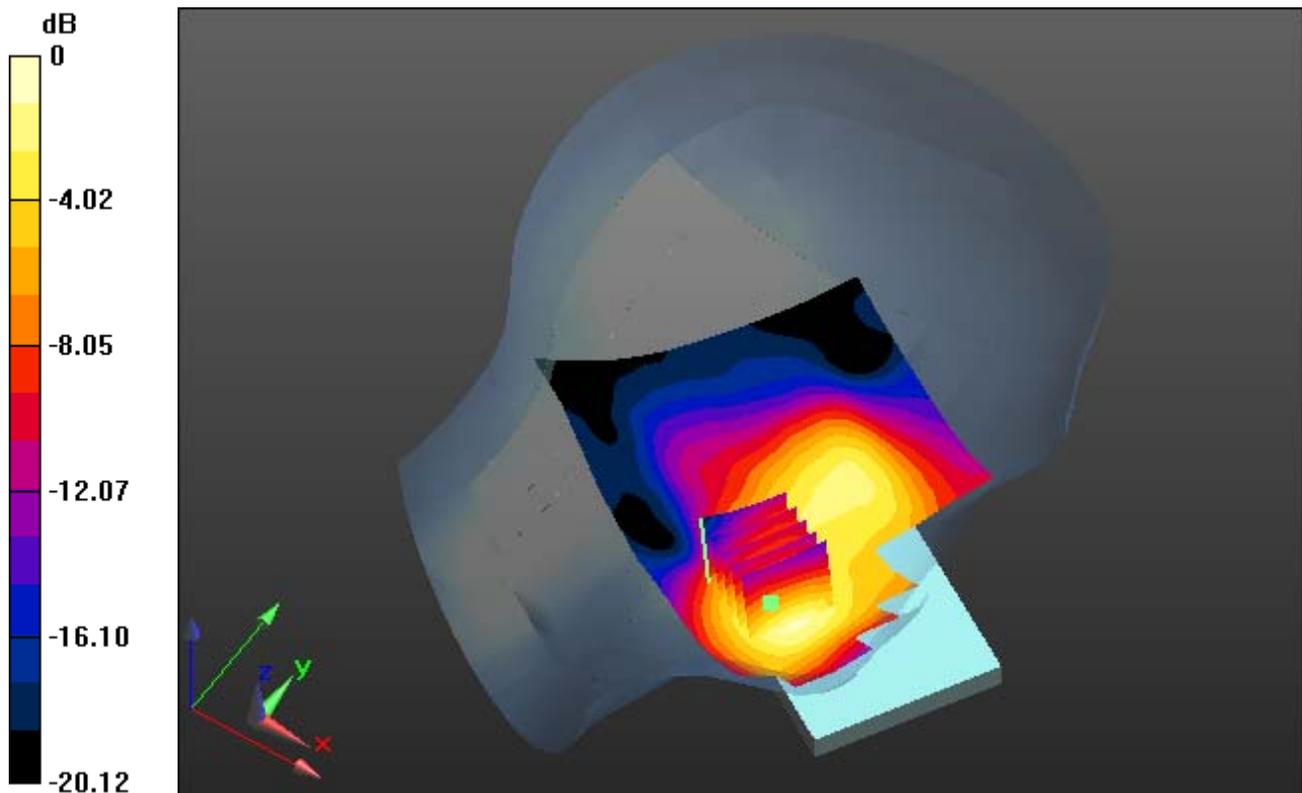## Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.946 mW/g
SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.279 W/kg

0 dB = 0.596 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

Right Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery
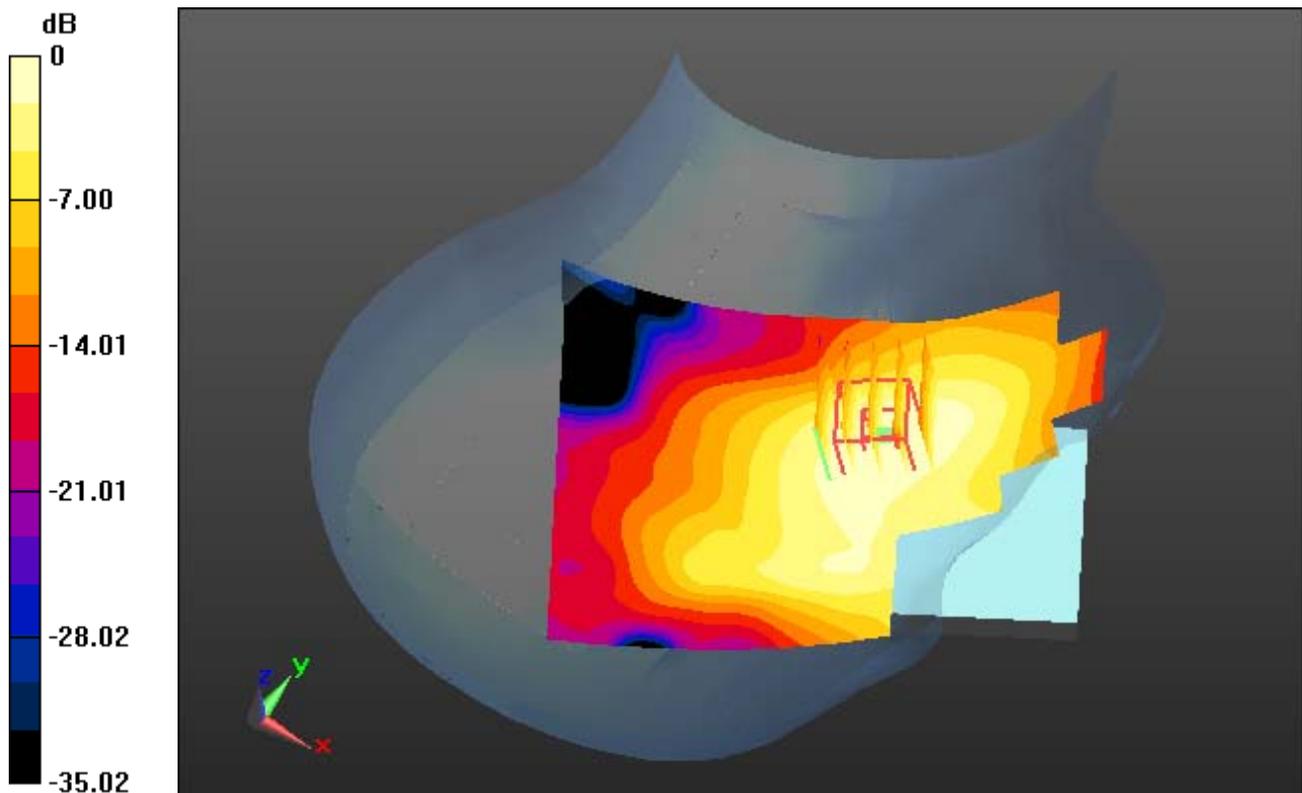
Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.697 mW/g
SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.291 W/kg

0 dB = 0.576 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; ε_r = 39.582; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

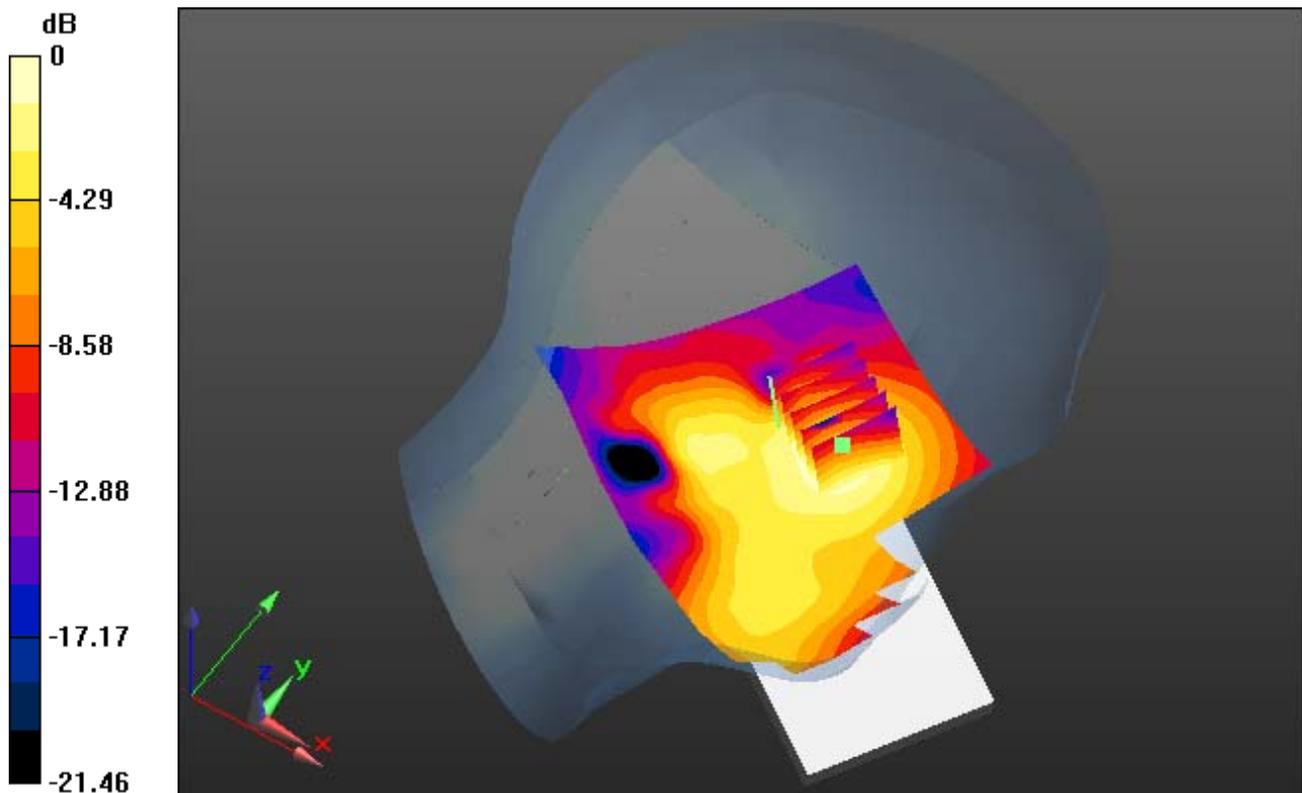### Left Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.257 mW/g
SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.107 W/kg

0 dB = 0.215 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.375 mho/m; $ε_r$ = 39.582; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

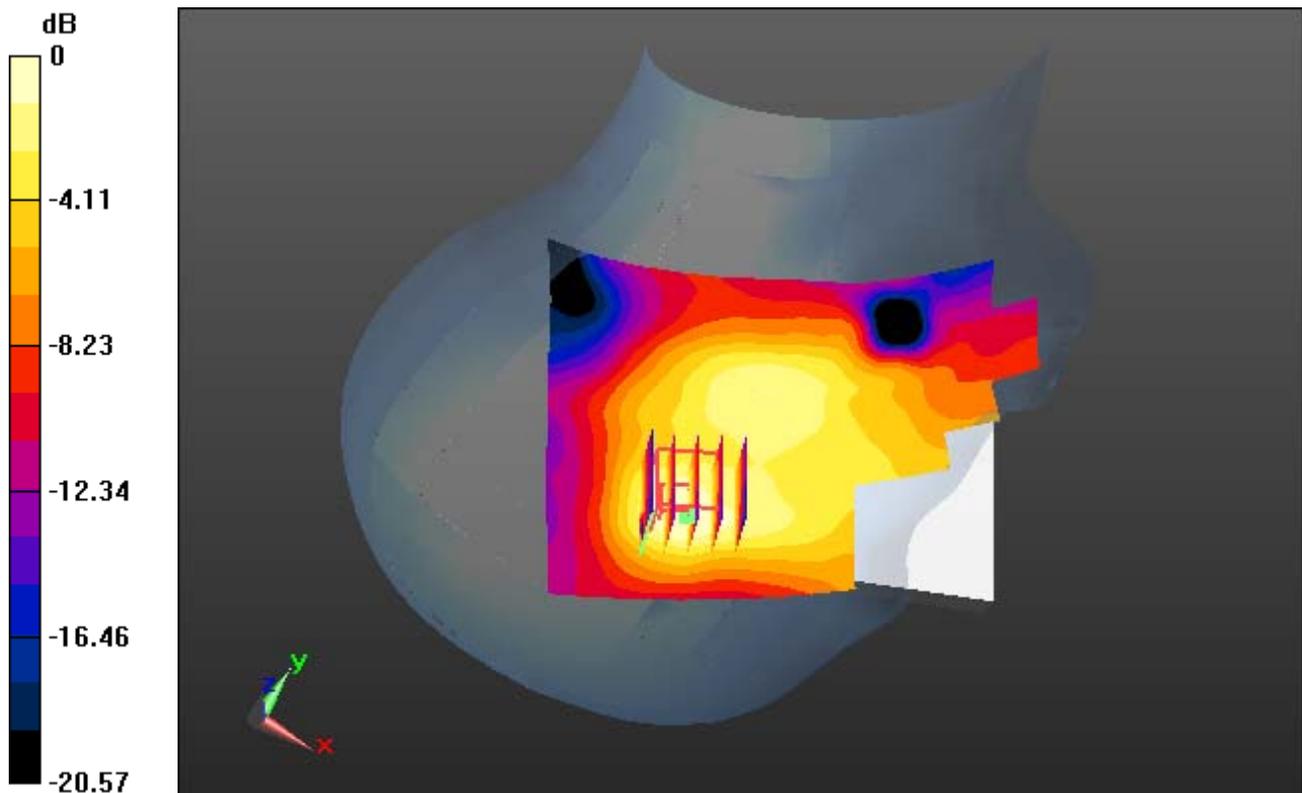**Right Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

Area Scan (81x121x1): Measurement 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) = 0.398 mW/g
SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.088 W/kg

0 dB = 0.193 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.901 mho/m; ε_r = 41.452; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

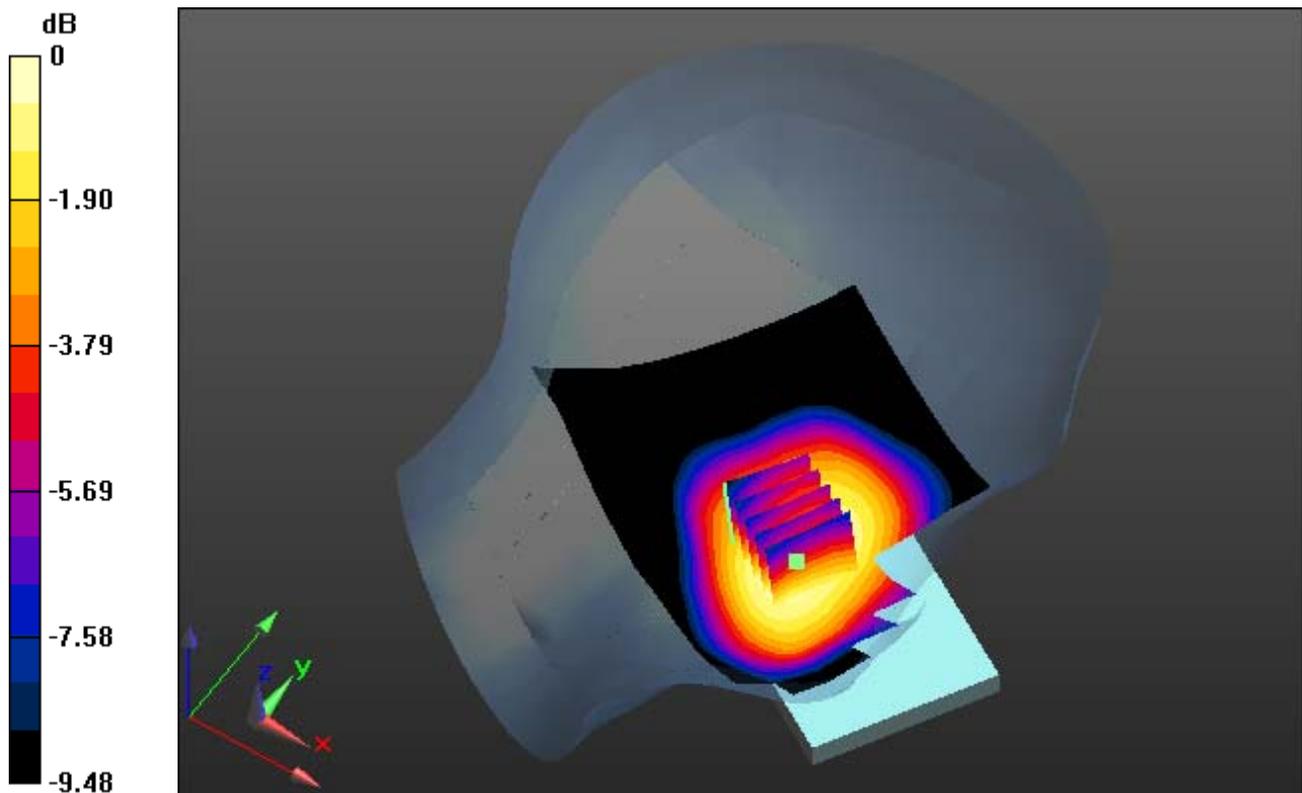## Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.399 mW/g
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.243 W/kg

0 dB = 0.360 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.901 mho/m; ε_r = 41.452; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

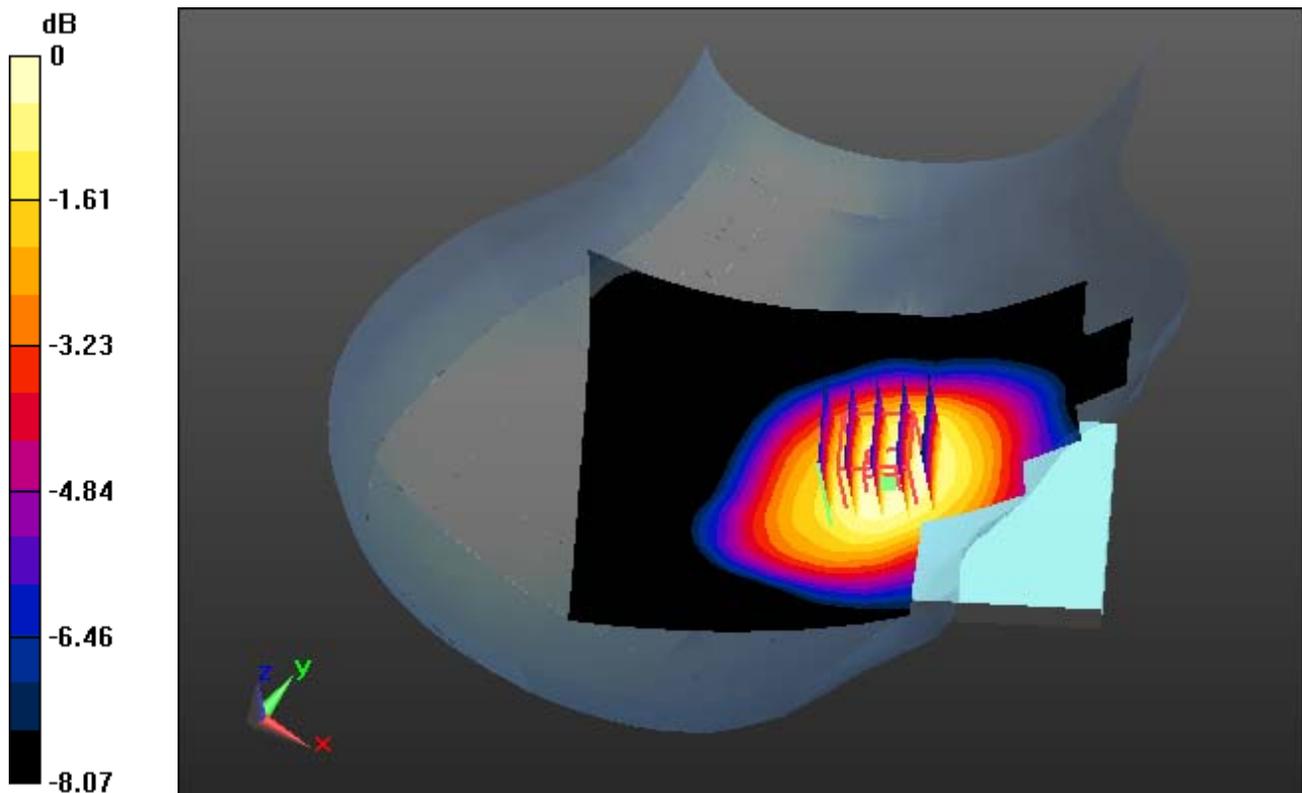### Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement 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) = 0.319 mW/g
SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.200 W/kg

0 dB = 0.294 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.901 mho/m; ε_r = 41.452; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

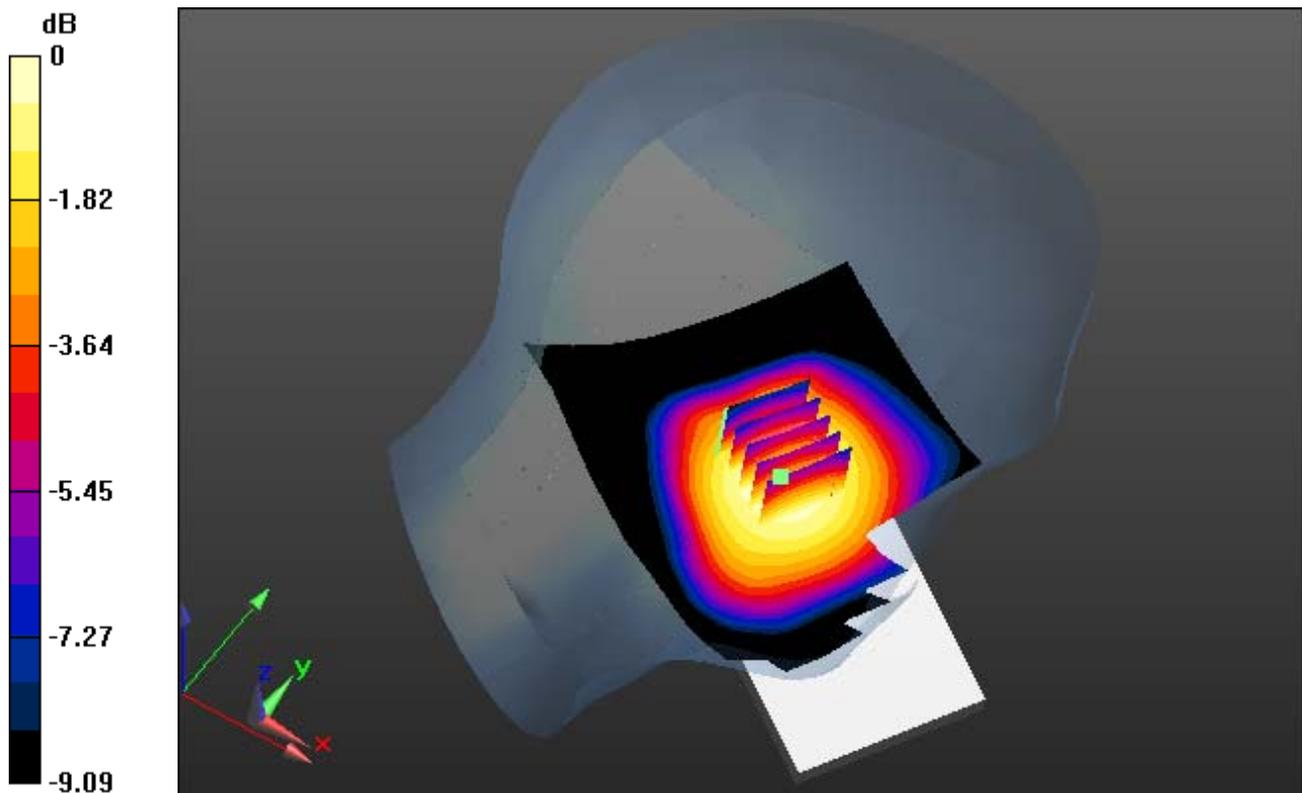## Left Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.238 mW/g
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.147 W/kg

0 dB = 0.217 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.901 mho/m; ε_r = 41.452; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

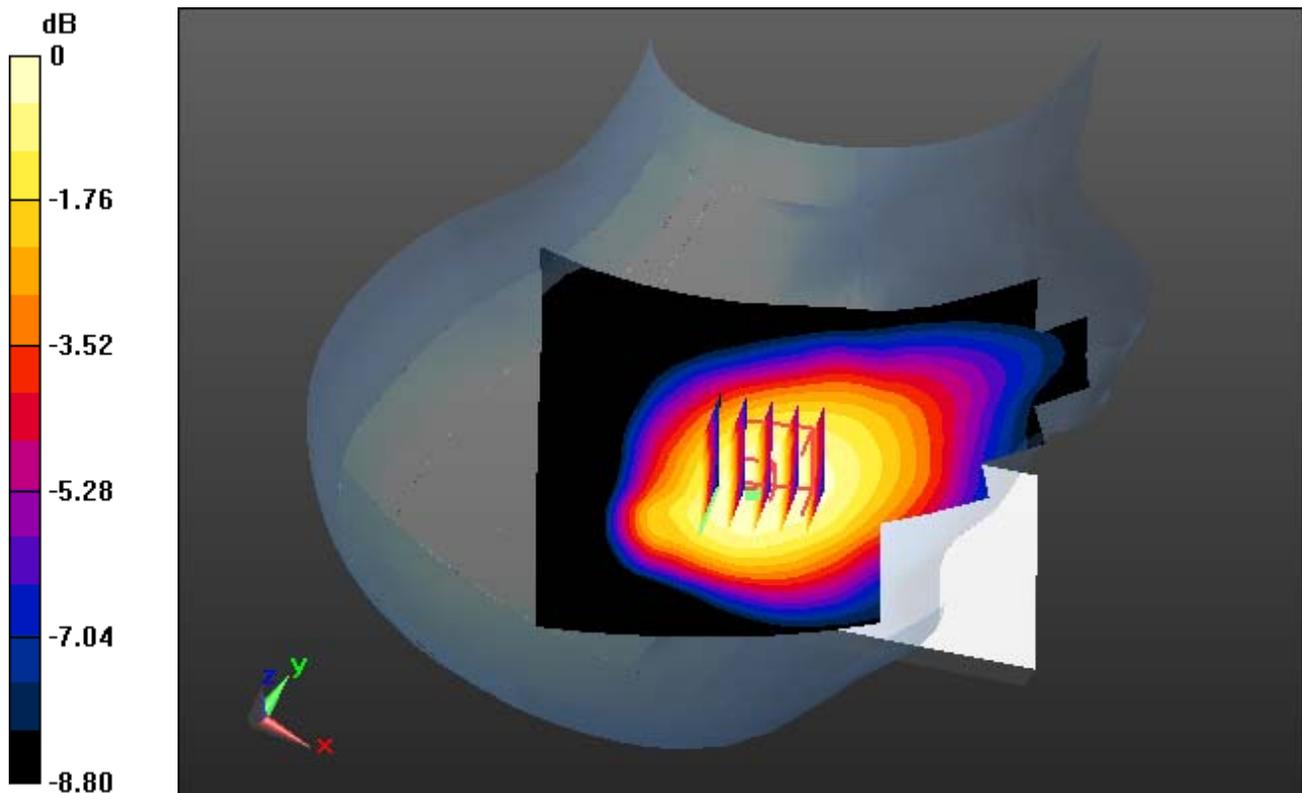## Right Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement 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) = 0.192 mW/g
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.121 W/kg

0 dB = 0.176 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.379 mho/m; $ε_r$ = 40.054; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

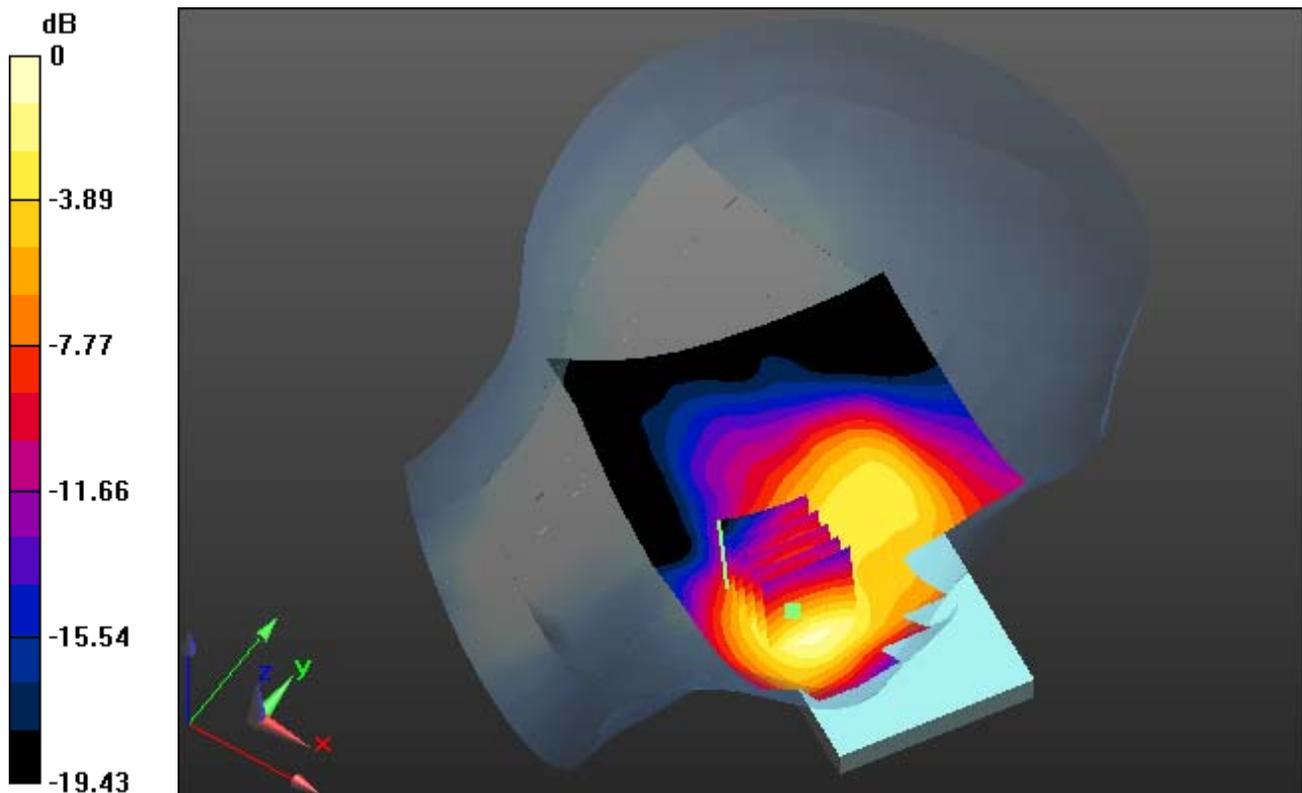## Left Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.914 mW/g
SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.356 W/kg

0 dB = 0.756 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.379 mho/m; ε_r = 40.054; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
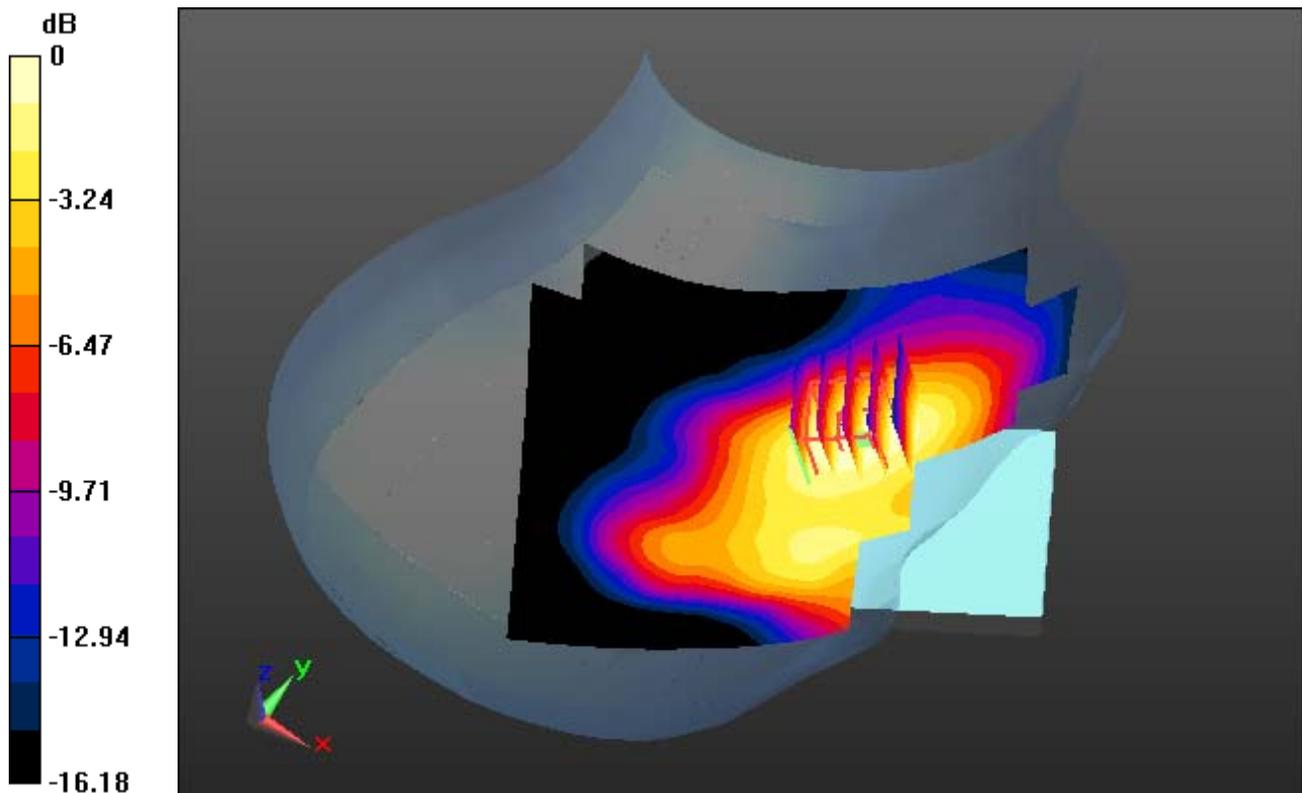
Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

Right Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (91x121x1): Measurement 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) = 0.643 mW/g
SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.265 W/kg

0 dB = 0.527 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.379 mho/m; $ε_r$ = 40.054; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

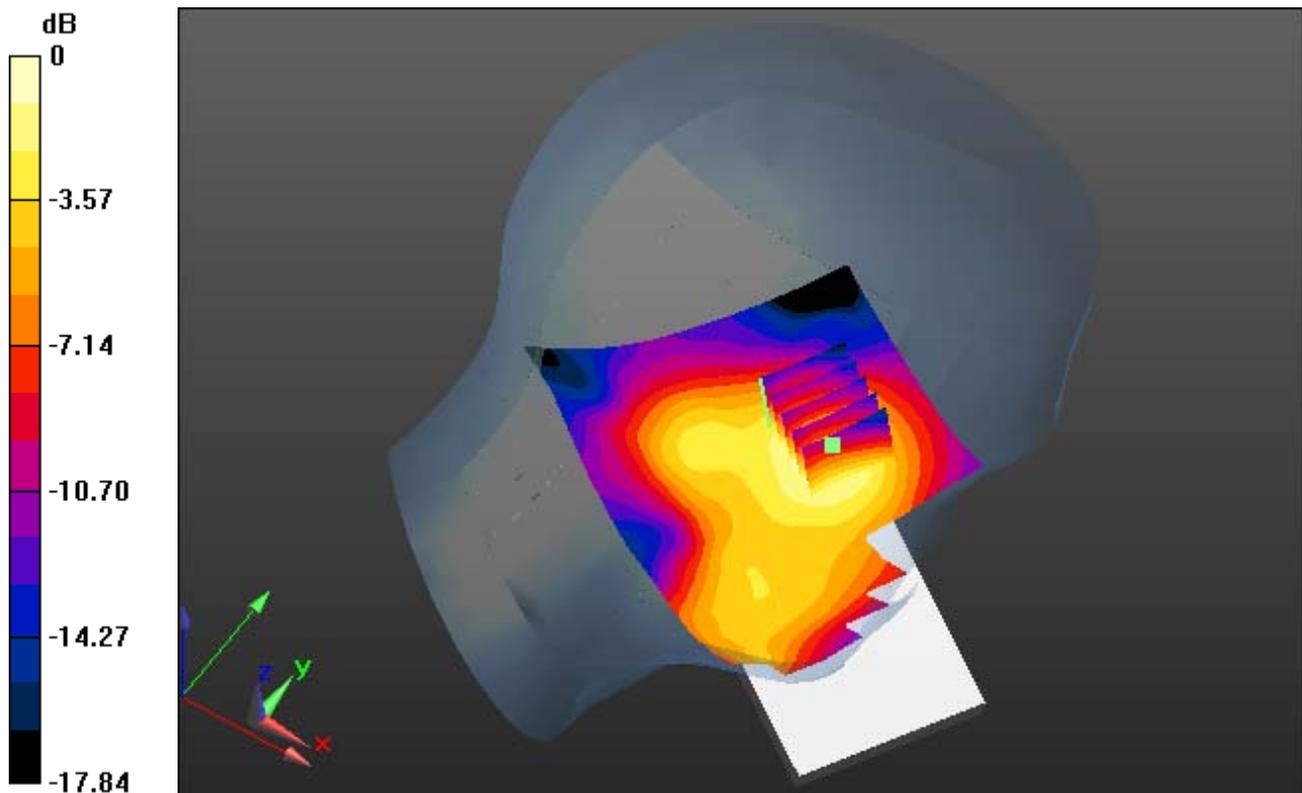## Left Tilt, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (81x131x1): Measurement 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) = 0.267 mW/g
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.107 W/kg

0 dB = 0.221 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.379 mho/m; $ε_r$ = 40.054; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

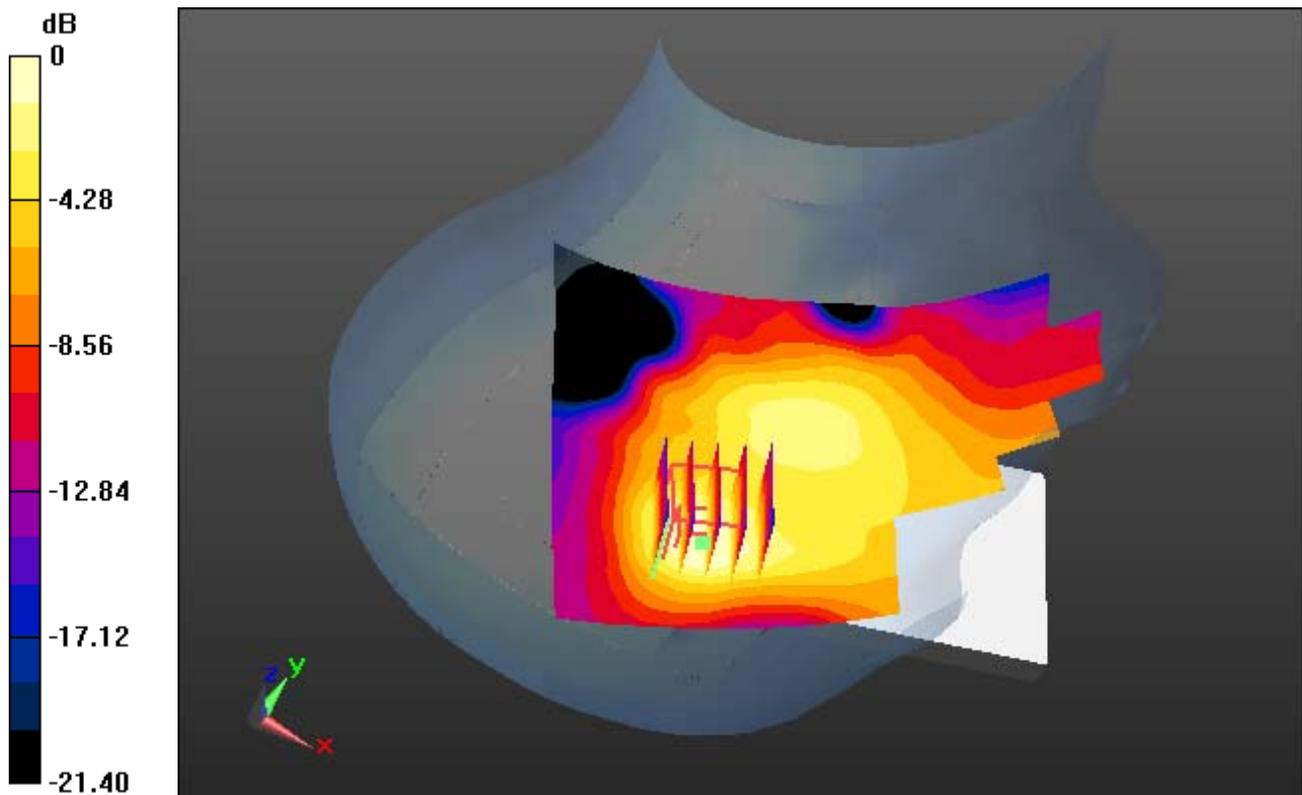Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

Right Tilt, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

Area Scan (81x121x1): Measurement 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) = 0.261 mW/g
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.090 W/kg

0 dB = 0.201 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.874 mho/m; ε_r = 38.025; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
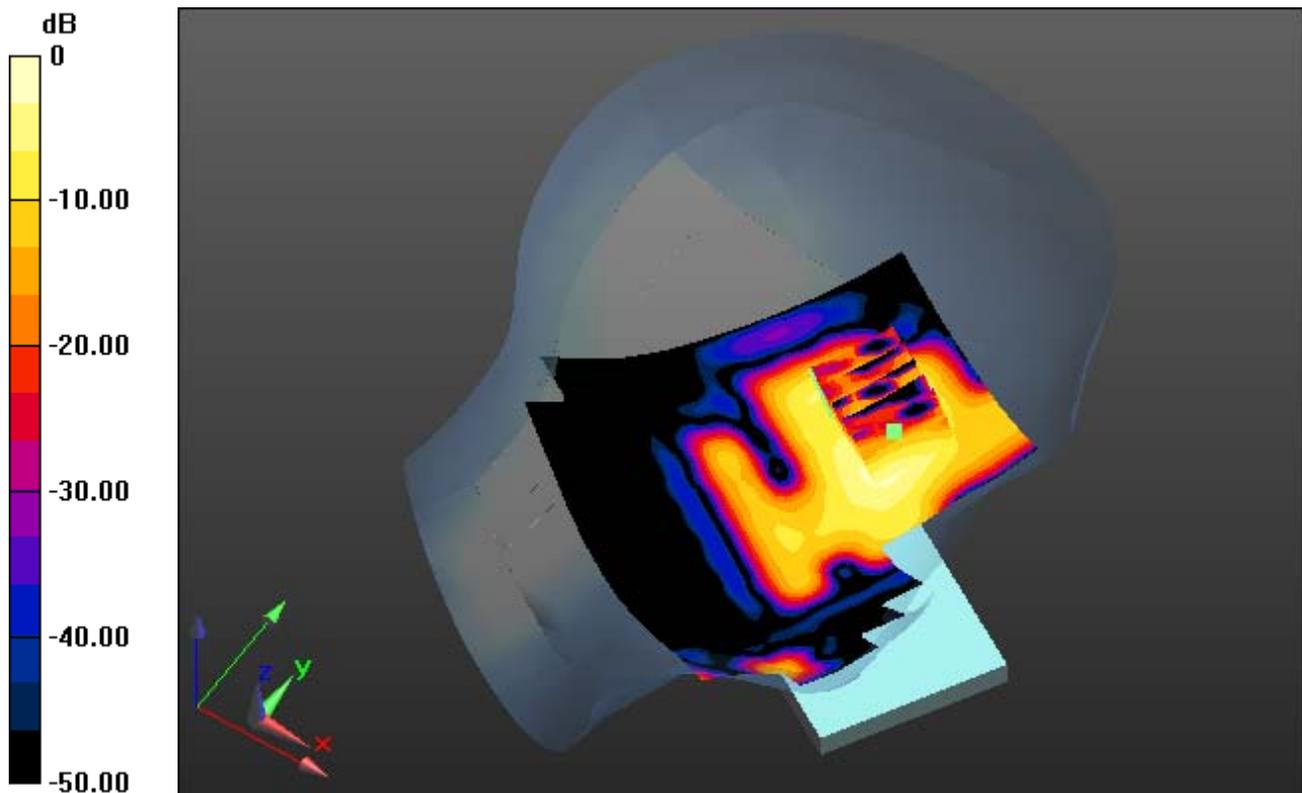
Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

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

Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.242 mW/g
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.038 W/kg

0 dB = 0.154 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.874 mho/m; ε_r = 38.025; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

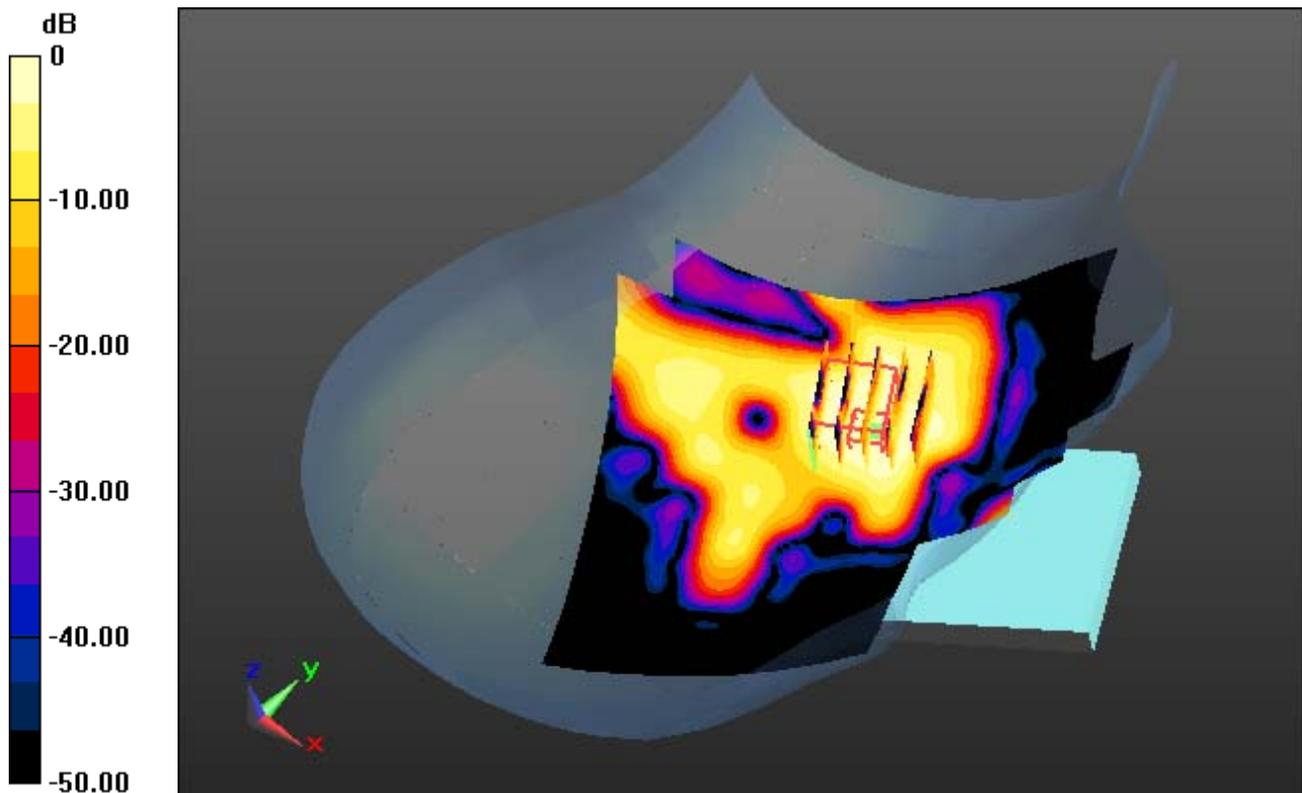### Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

Area Scan (101x131x1): Measurement 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) = 0.196 mW/g
SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.020 W/kg

0 dB = 0.0607 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.874 mho/m; ε_r = 38.025; ρ = 1000 kg/m^3
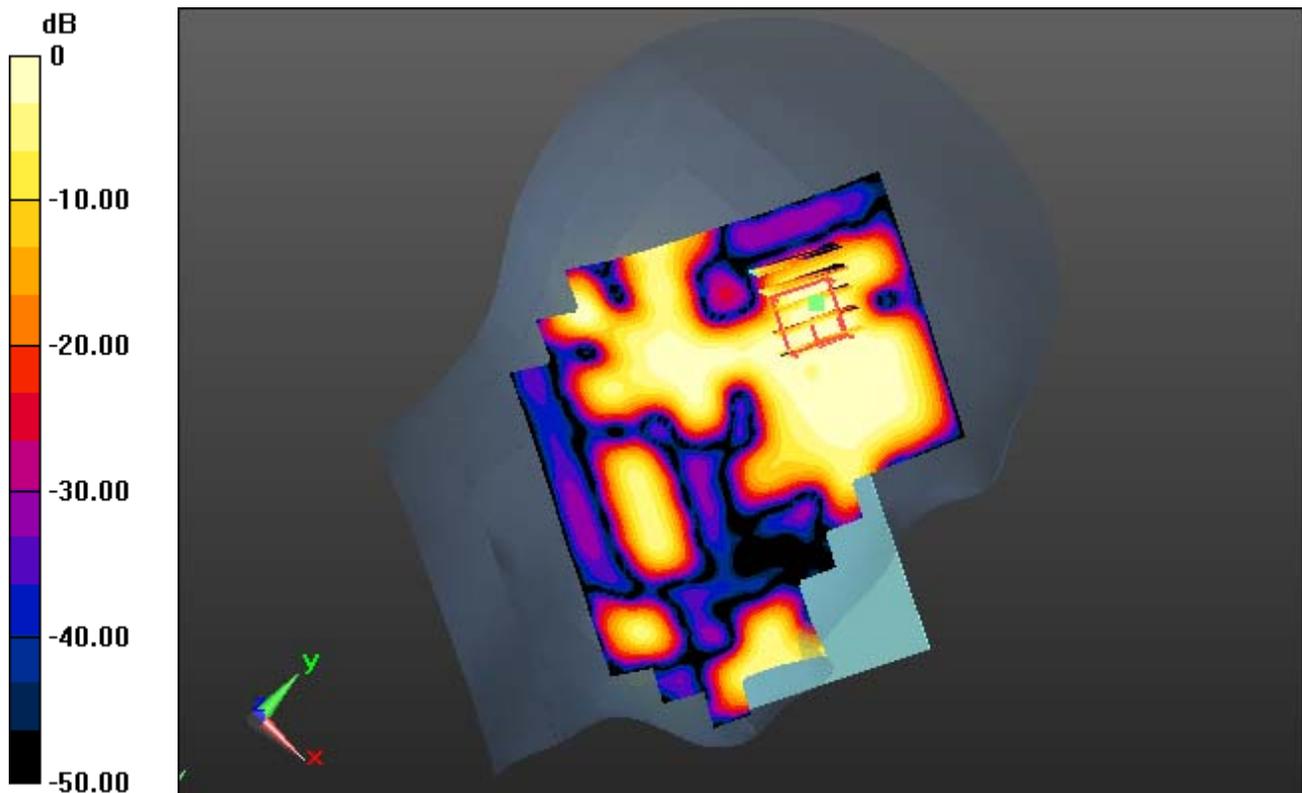Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

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

Area Scan (101x131x1): Measurement 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) = 0.036 mW/g
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00431 W/kg

0 dB = 0.0246 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.874 mho/m; ε_r = 38.025; ρ = 1000 kg/m^3
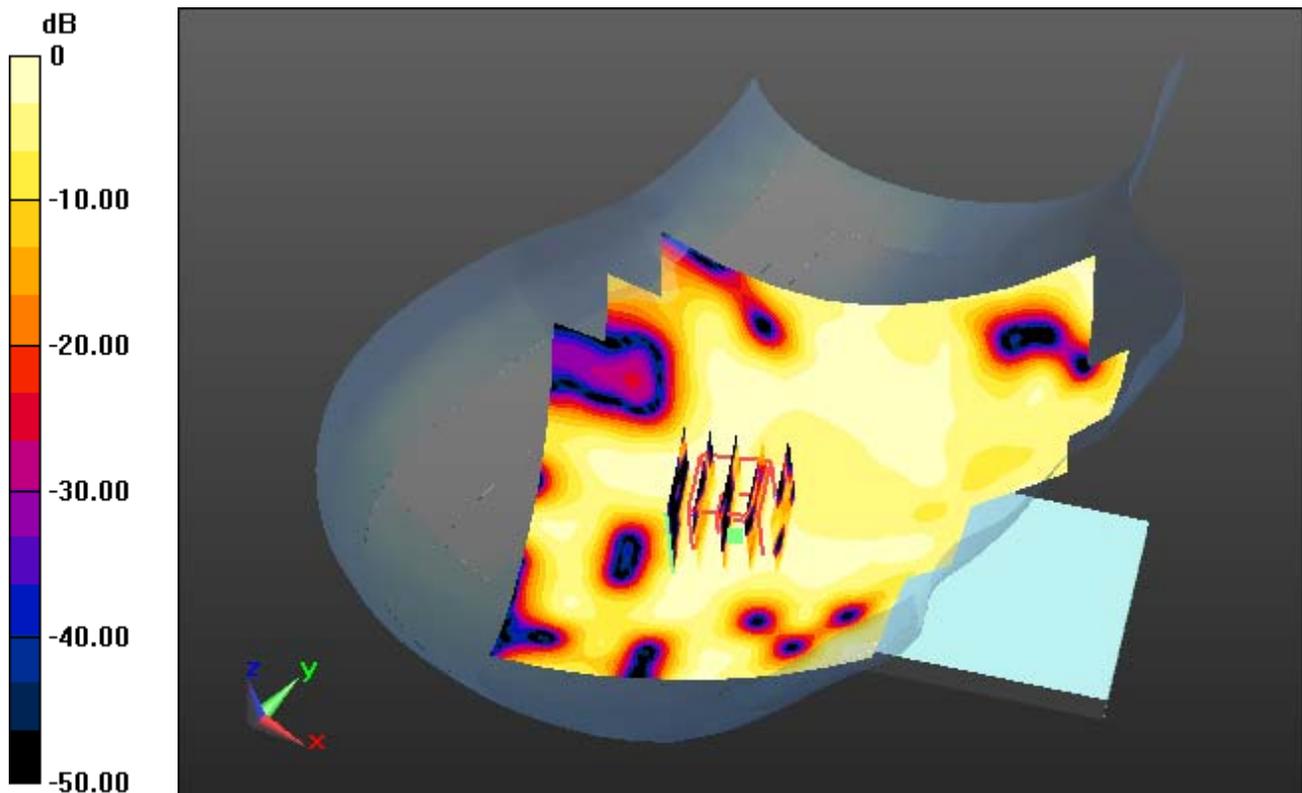
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

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

Area Scan (101x131x1): Measurement 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) = 0.041 mW/g
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00324 W/kg

0 dB = 0.0211 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; ε_r = 34.457; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

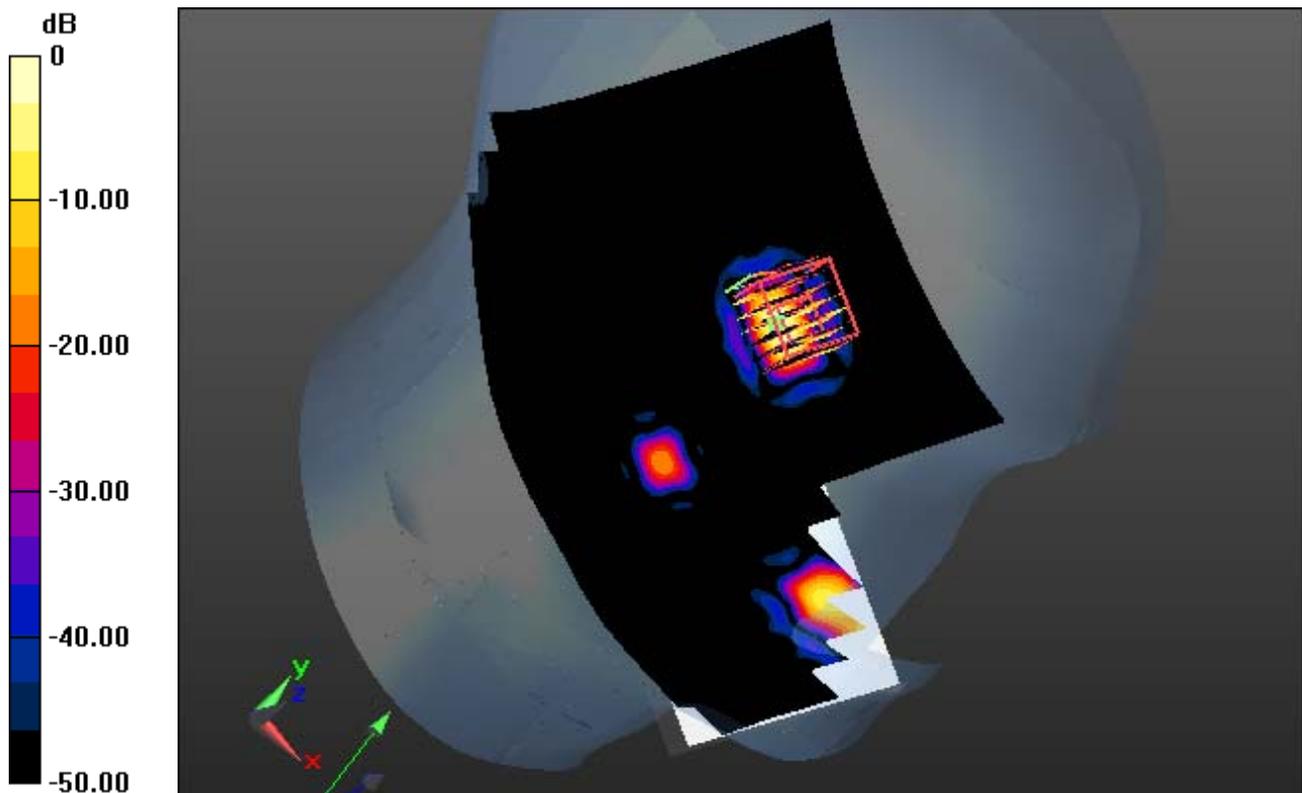## Left Touch, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.522 mW/g
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.00802 W/kg

0 dB = 0.102 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; $ε_r$ = 34.457; ρ = 1000 kg/m^3

Phantom section: Left Section
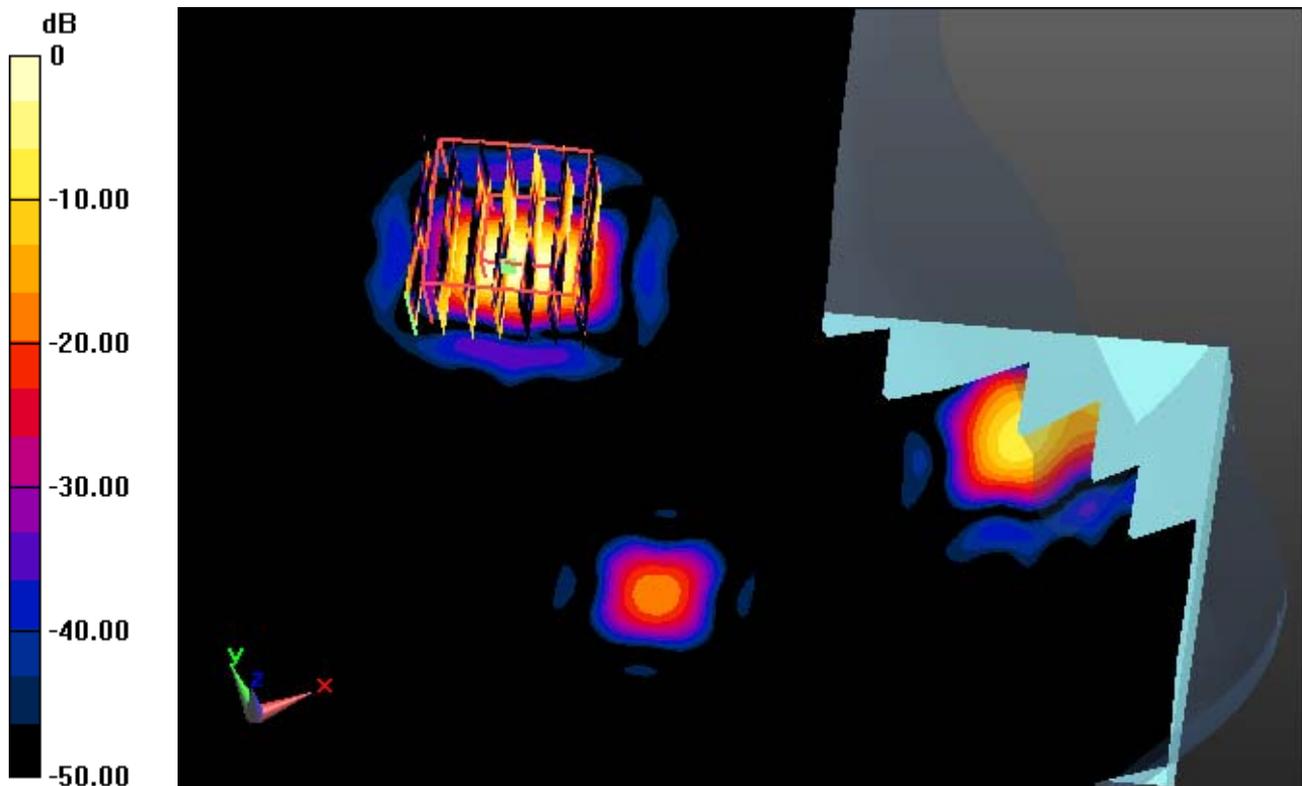
DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Touch, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.522 mW/g
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.00802 W/kg

0 dB = 0.102 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; $ε_r$ = 34.457; ρ = 1000 kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

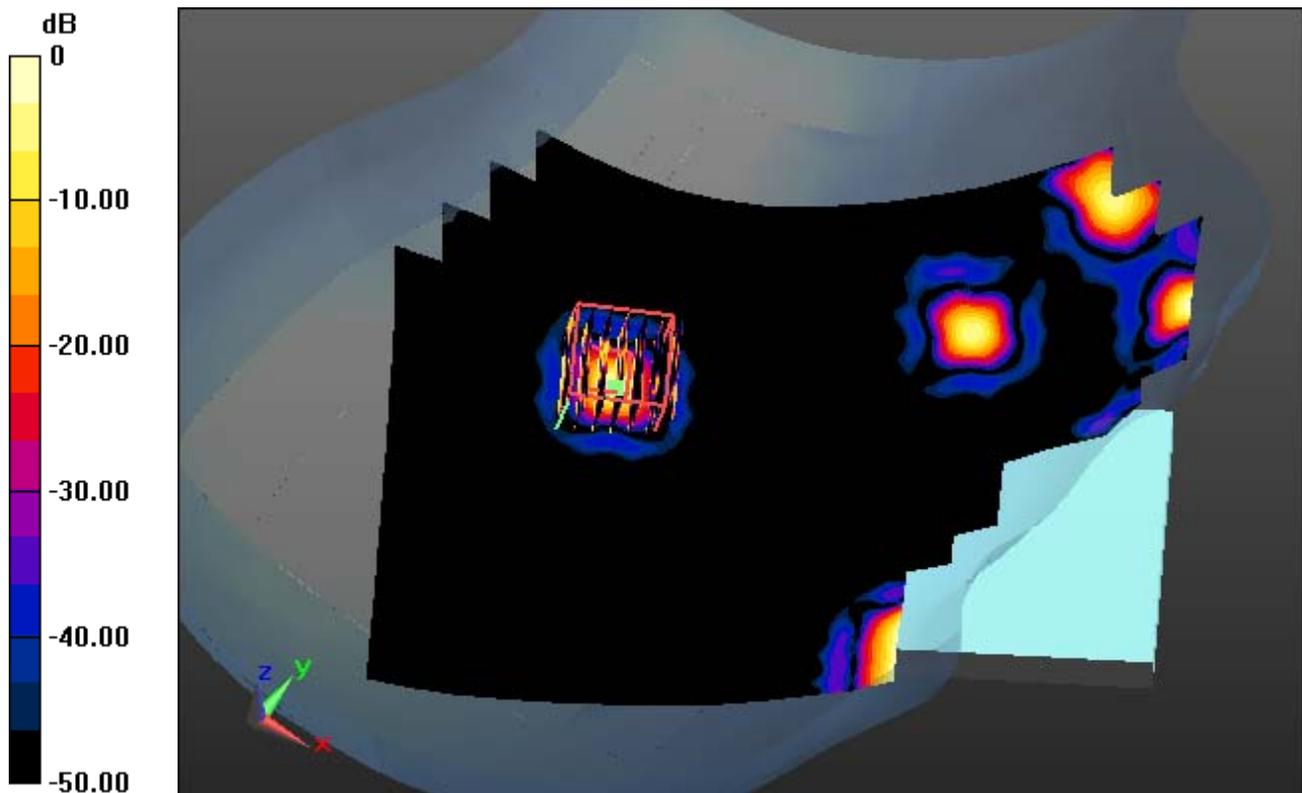## Right Touch, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.284 mW/g
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00321 W/kg

0 dB = 0.0410 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; $ε_r$ = 34.457; ρ = 1000 kg/m^3

Phantom section: Right Section
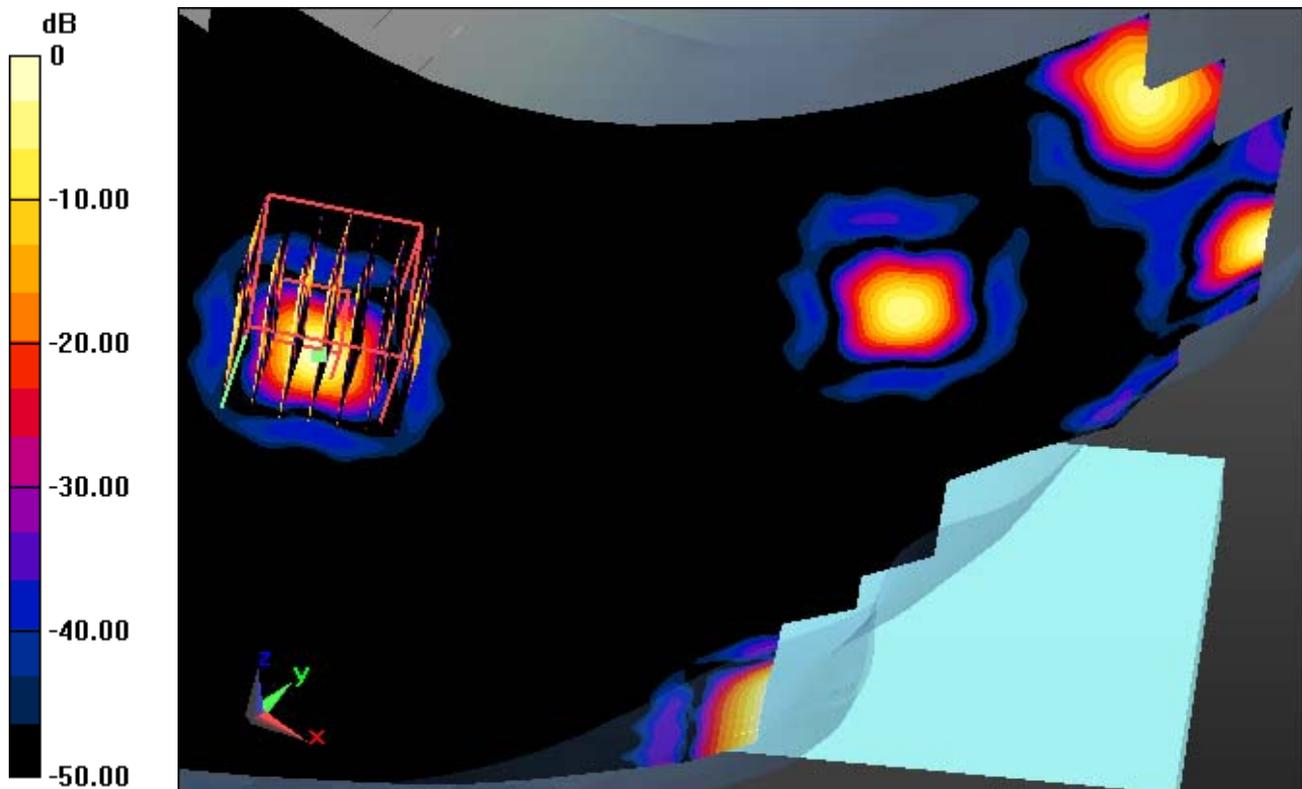
DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Touch, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.284 mW/g
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00321 W/kg

0 dB = 0.0410 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; ε_r = 34.457; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

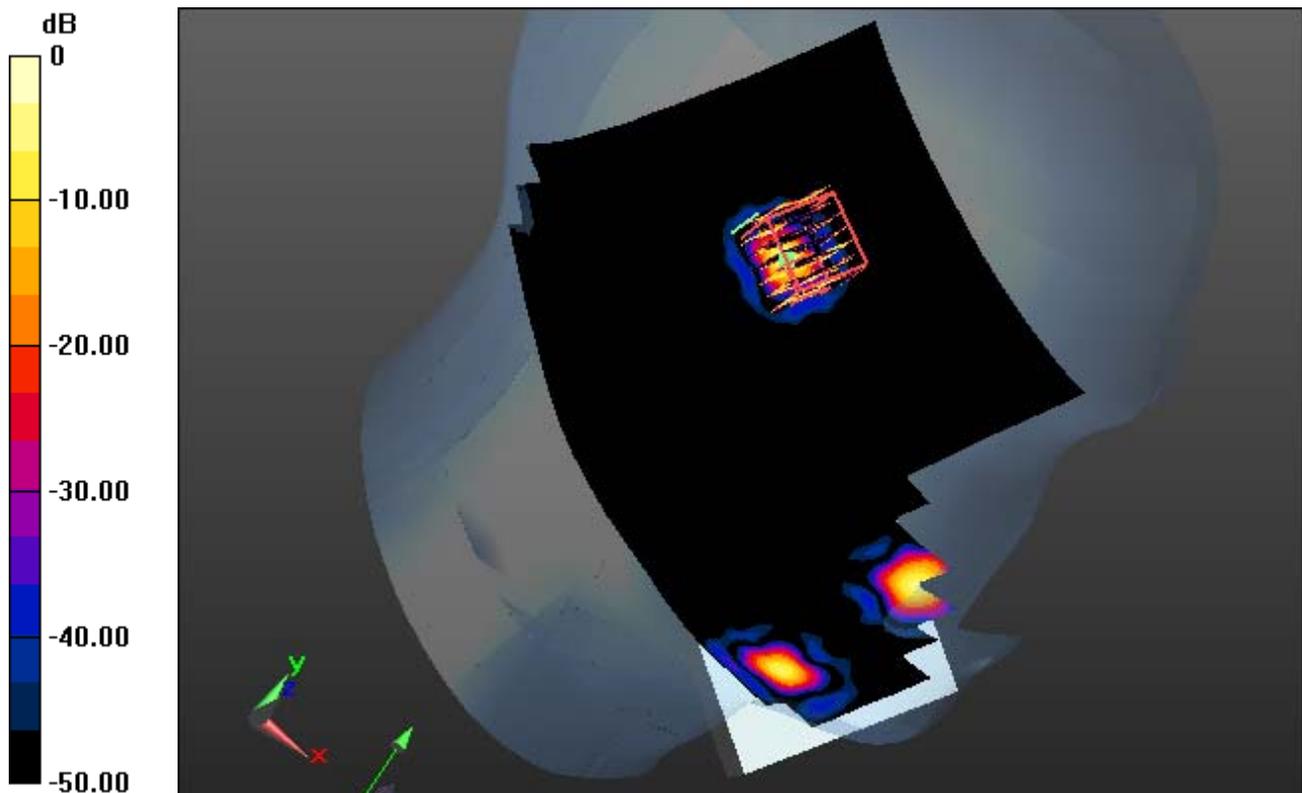## Left Tilt, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.136 mW/g
SAR(1 g) = 0.0041 W/kg; SAR(10 g) = 0.000499 W/kg

0 dB = 0.0485 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; ε_r = 34.457; ρ = 1000 kg/m^3

Phantom section: Left Section
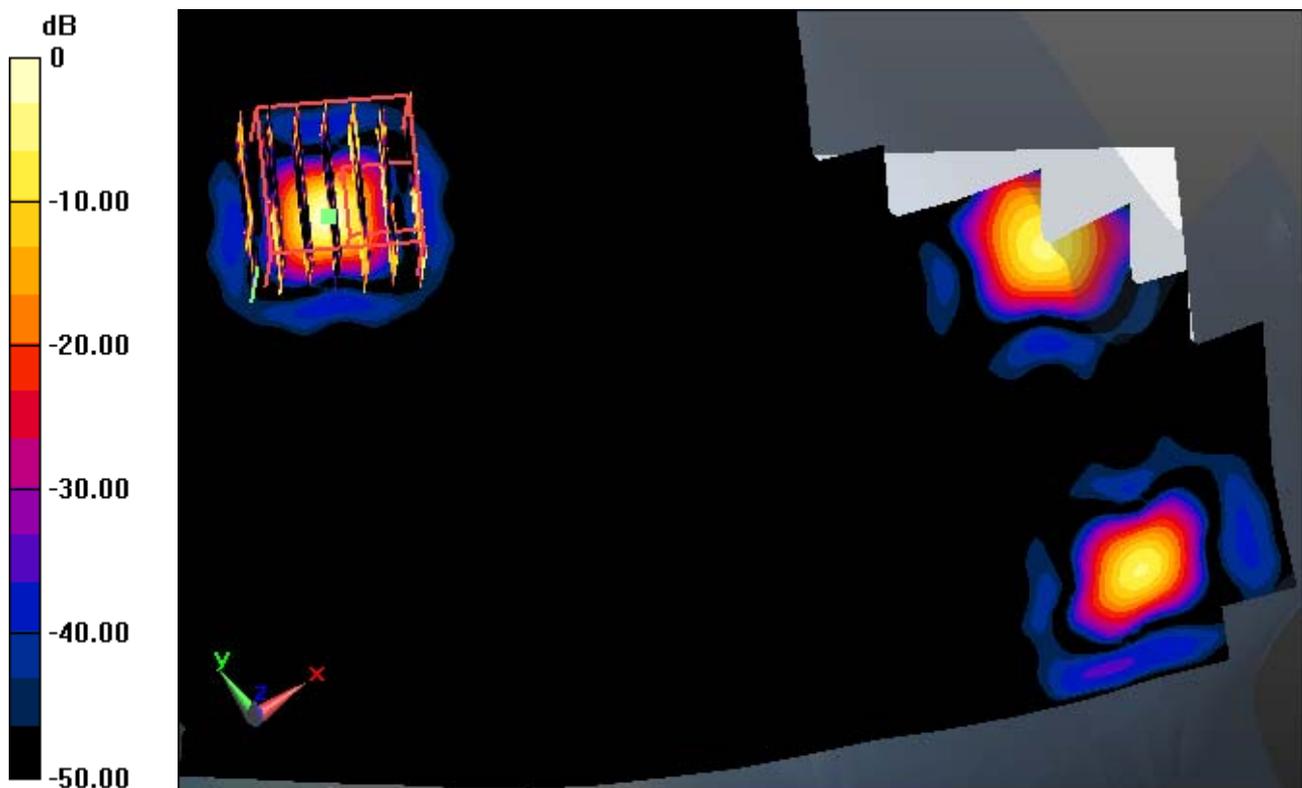
DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Tilt, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.136 mW/g
SAR(1 g) = 0.0041 W/kg; SAR(10 g) = 0.000499 W/kg

0 dB = 0.0485 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; ε_r = 34.457; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

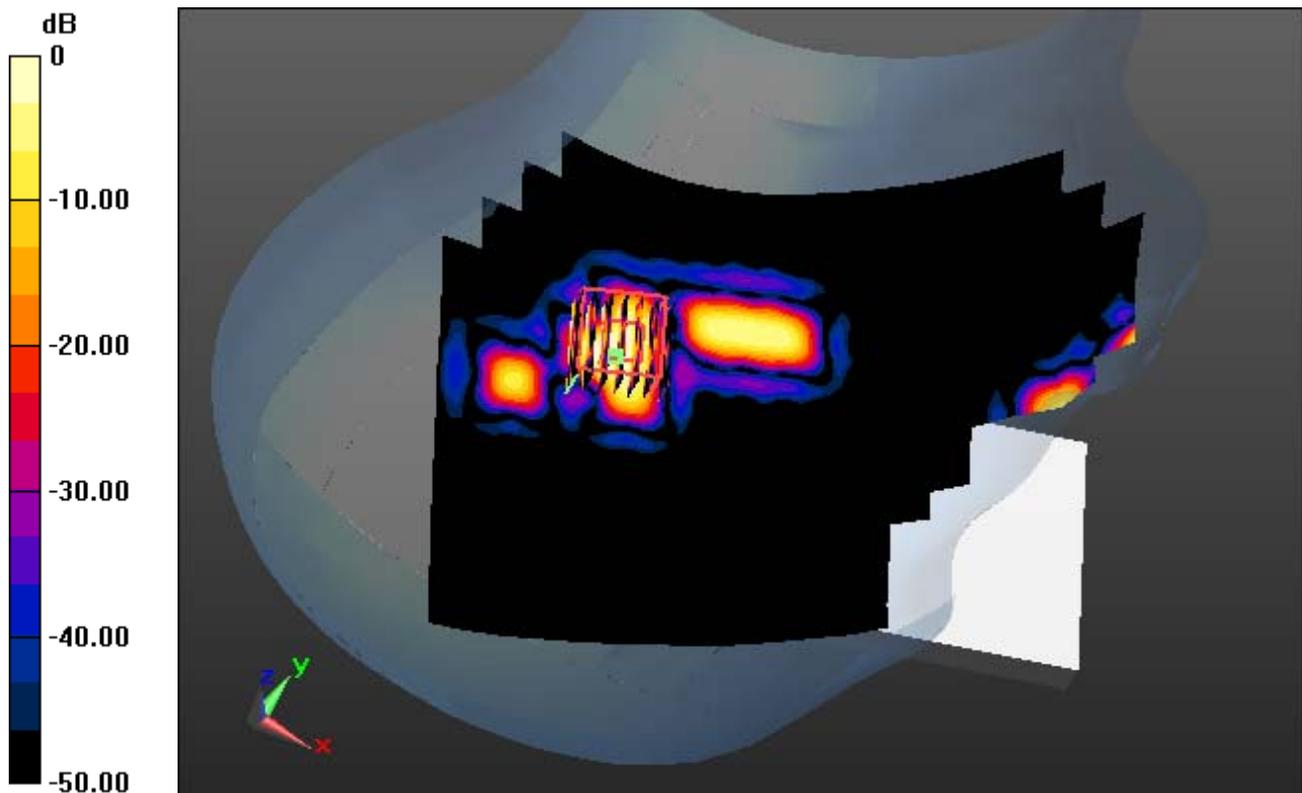## Right Tilt, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.369 mW/g
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.125 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.403 mho/m; ε_r = 34.457; ρ = 1000 kg/m^3
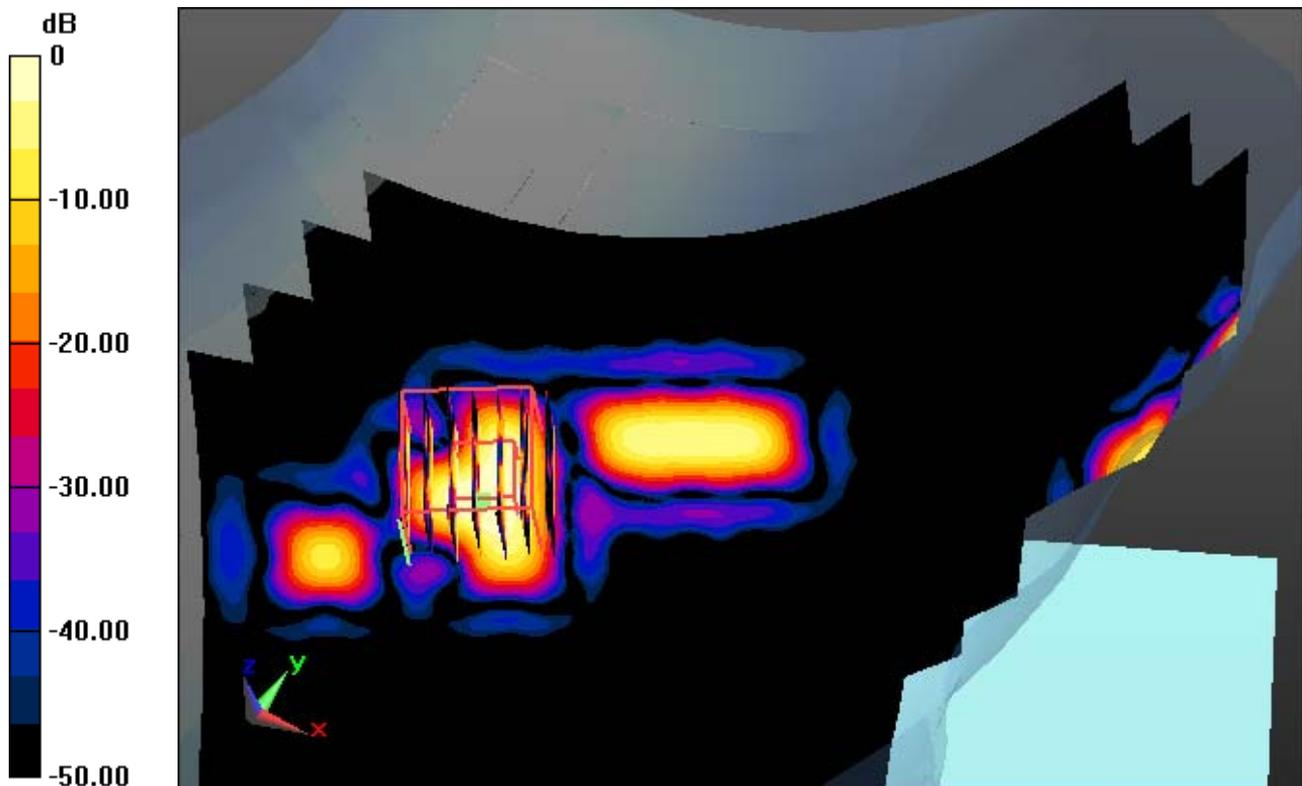Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.16, 4.16, 4.16); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Tilt, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.369 mW/g
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.125 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

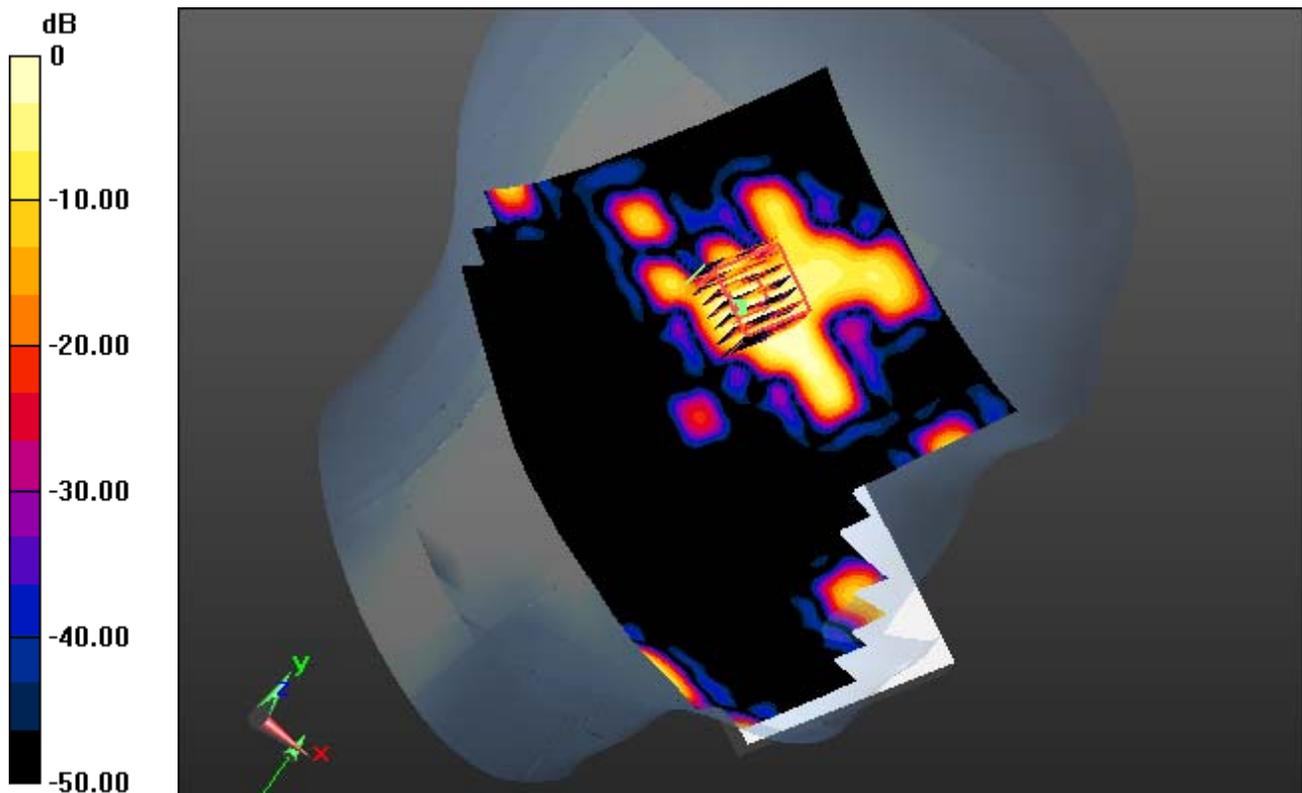## Left Touch, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.368 mW/g
SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.020 W/kg

0 dB = 0.207 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3

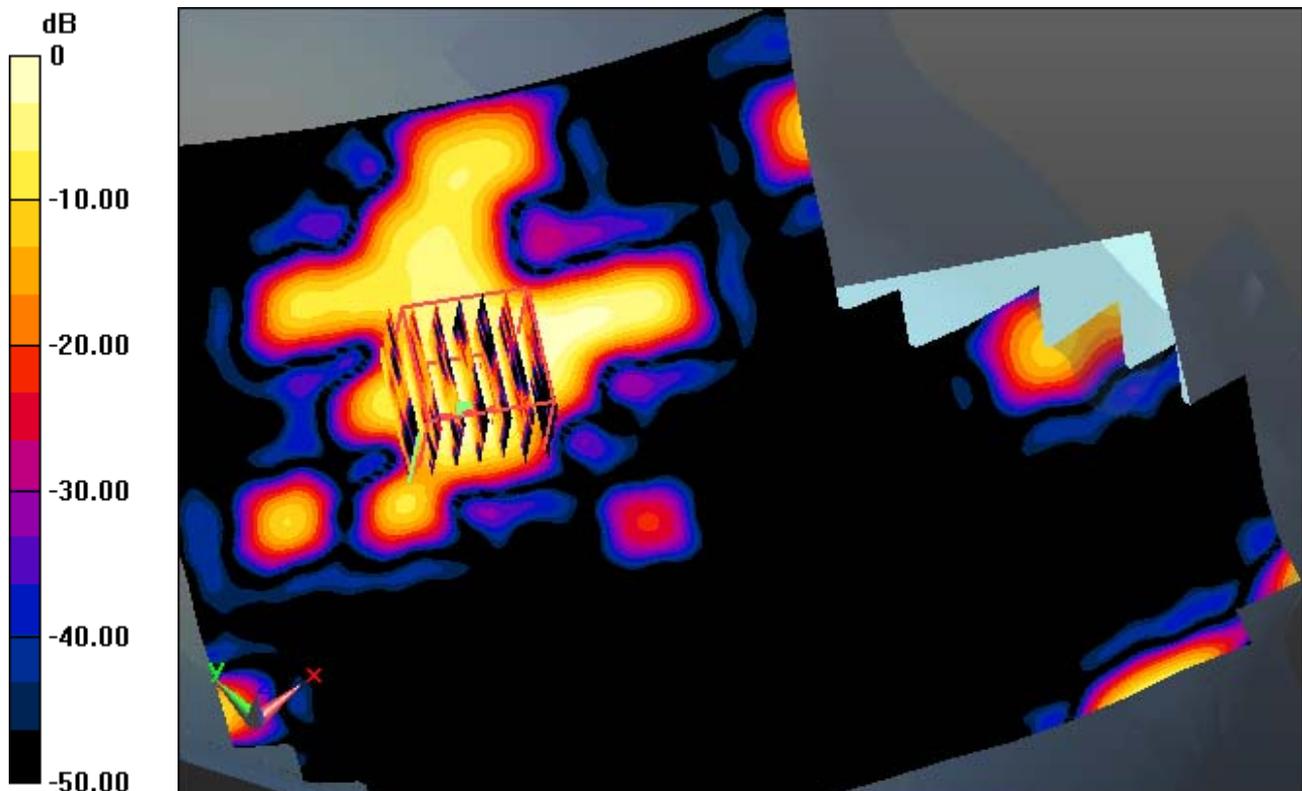Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Touch, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.368 mW/g
SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.020 W/kg

0 dB = 0.207 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
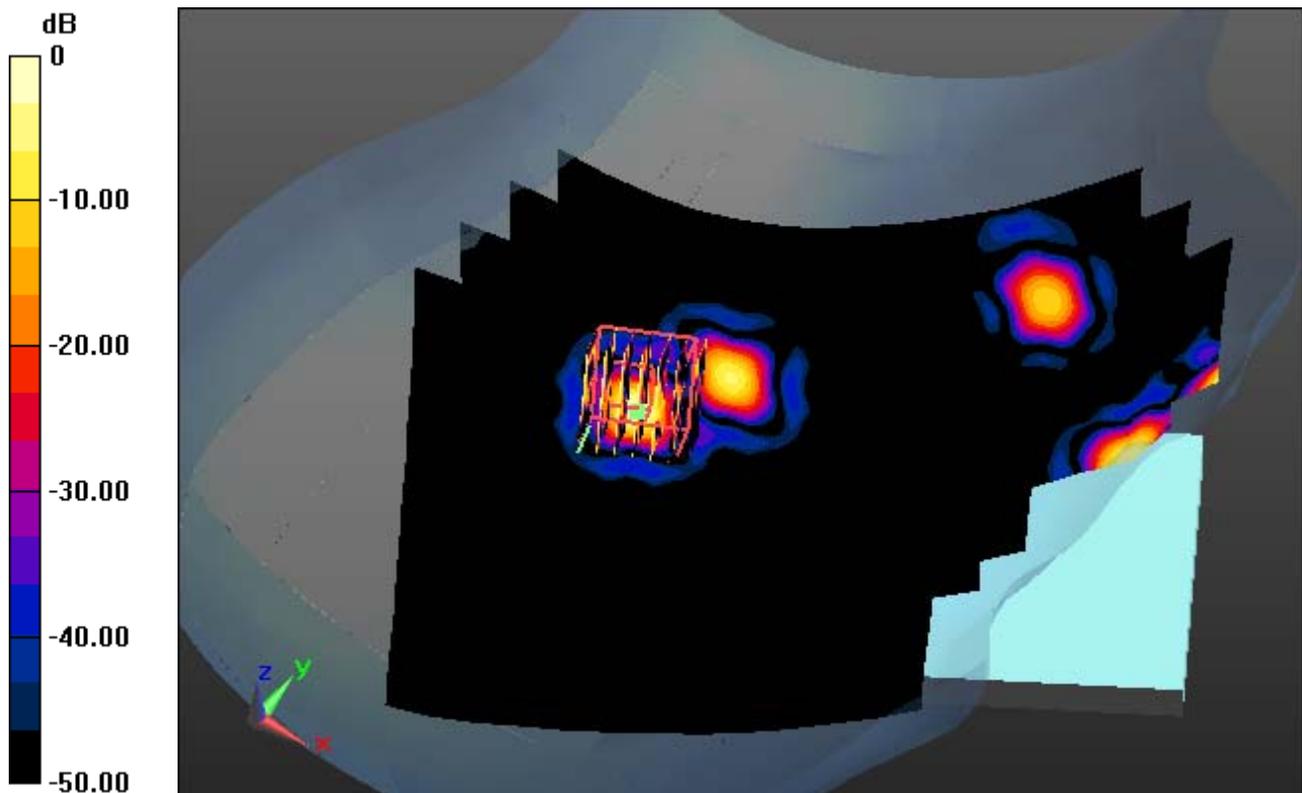
Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Touch, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.322 mW/g
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.010 W/kg

0 dB = 0.101 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; $ε_r$ = 35.393; ρ = 1000 kg/m^3

Phantom section: Right Section
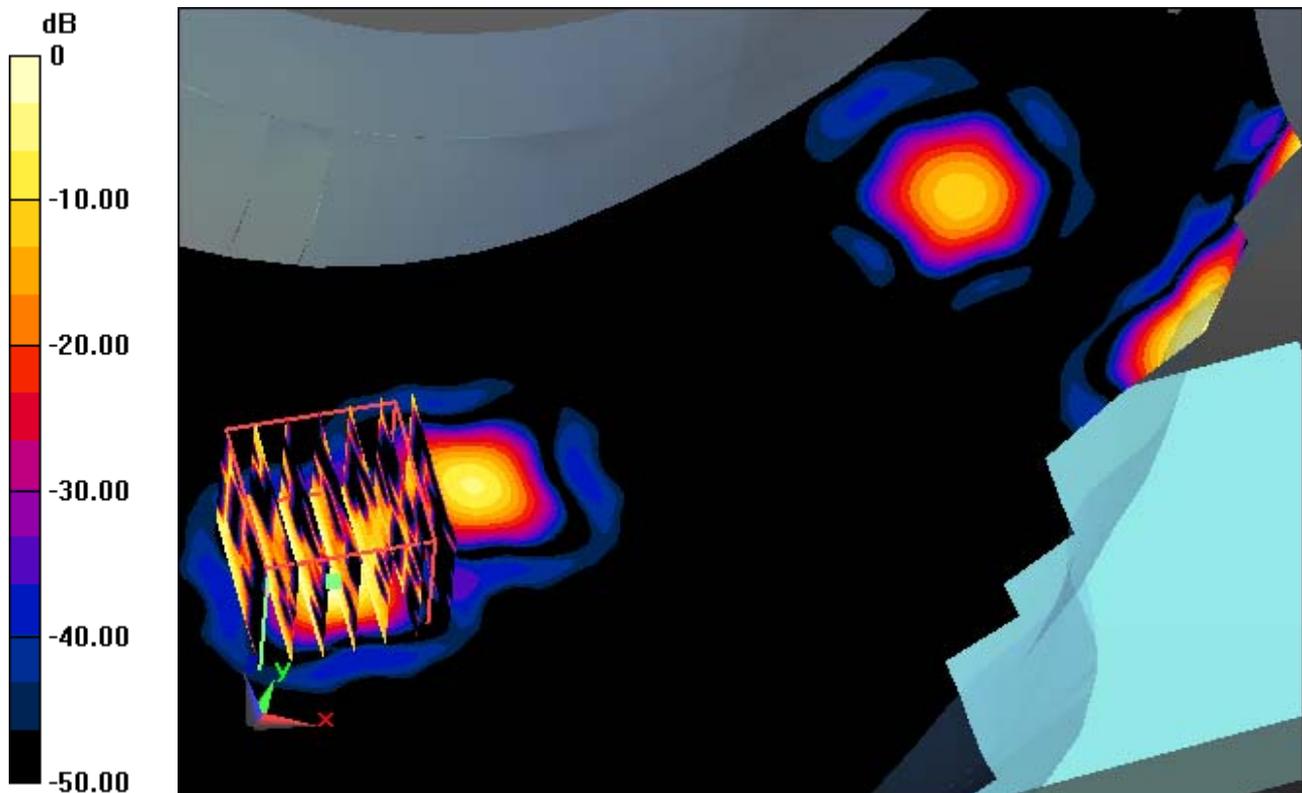
DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Touch, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.322 mW/g
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.010 W/kg

0 dB = 0.101 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

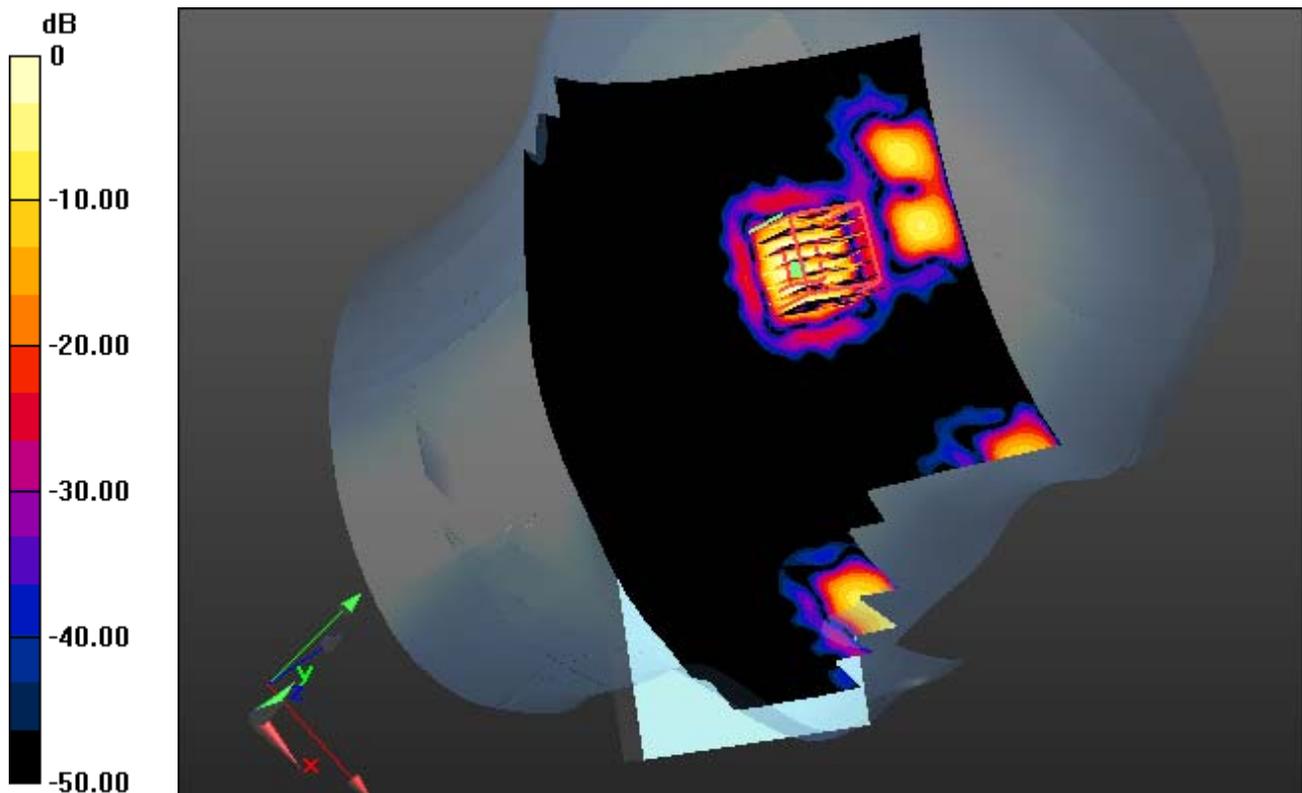## Left Tilt, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.255 mW/g
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.146 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3
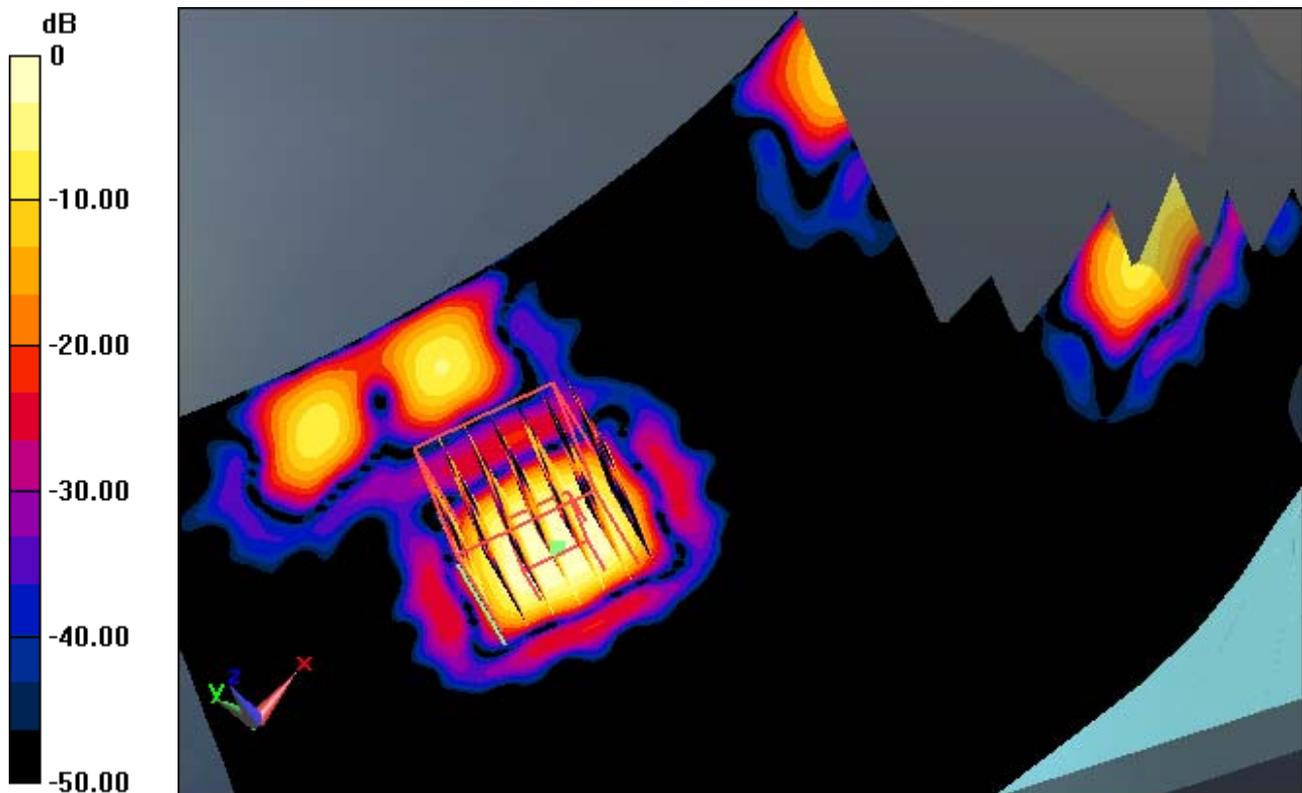Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Tilt, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.255 mW/g
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.146 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

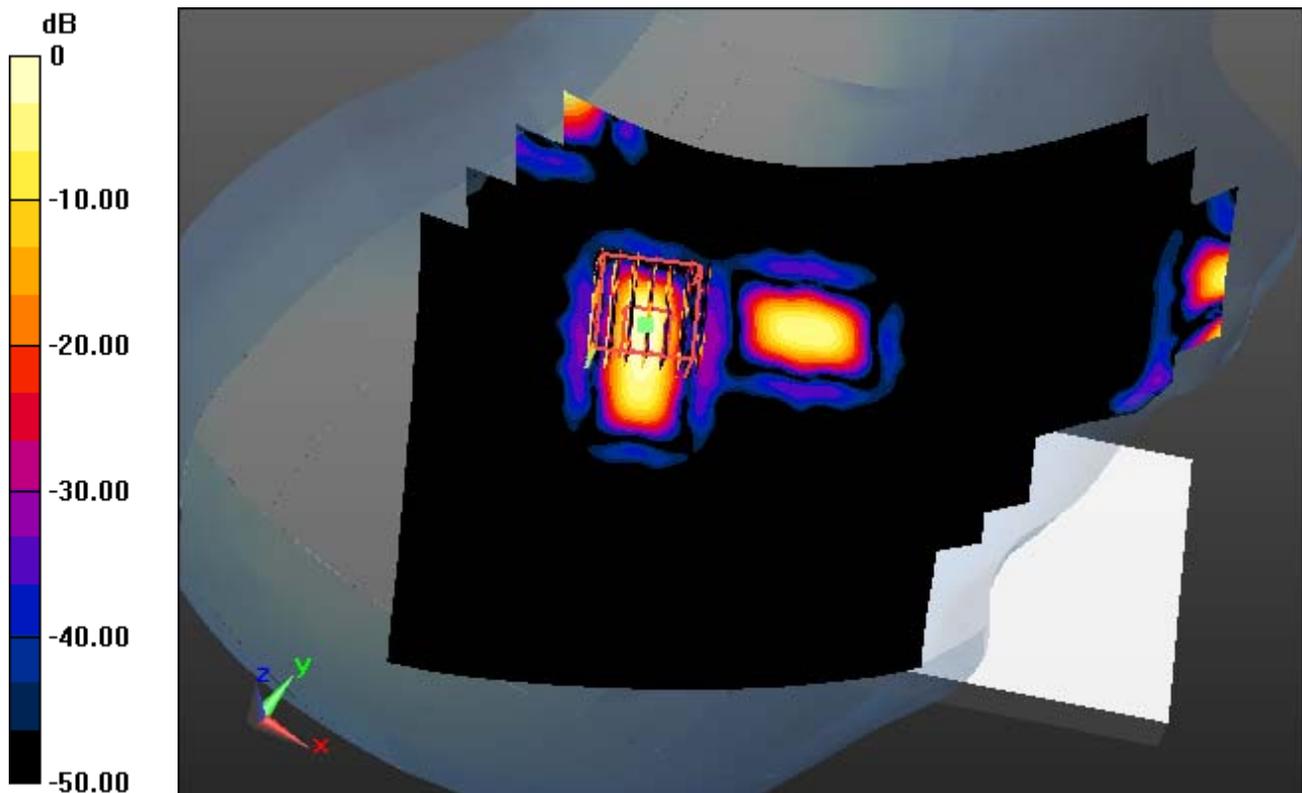### Right Tilt, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.398 mW/g
SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.010 W/kg

0 dB = 0.0782 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.785 mho/m; ε_r = 35.393; ρ = 1000 kg/m^3

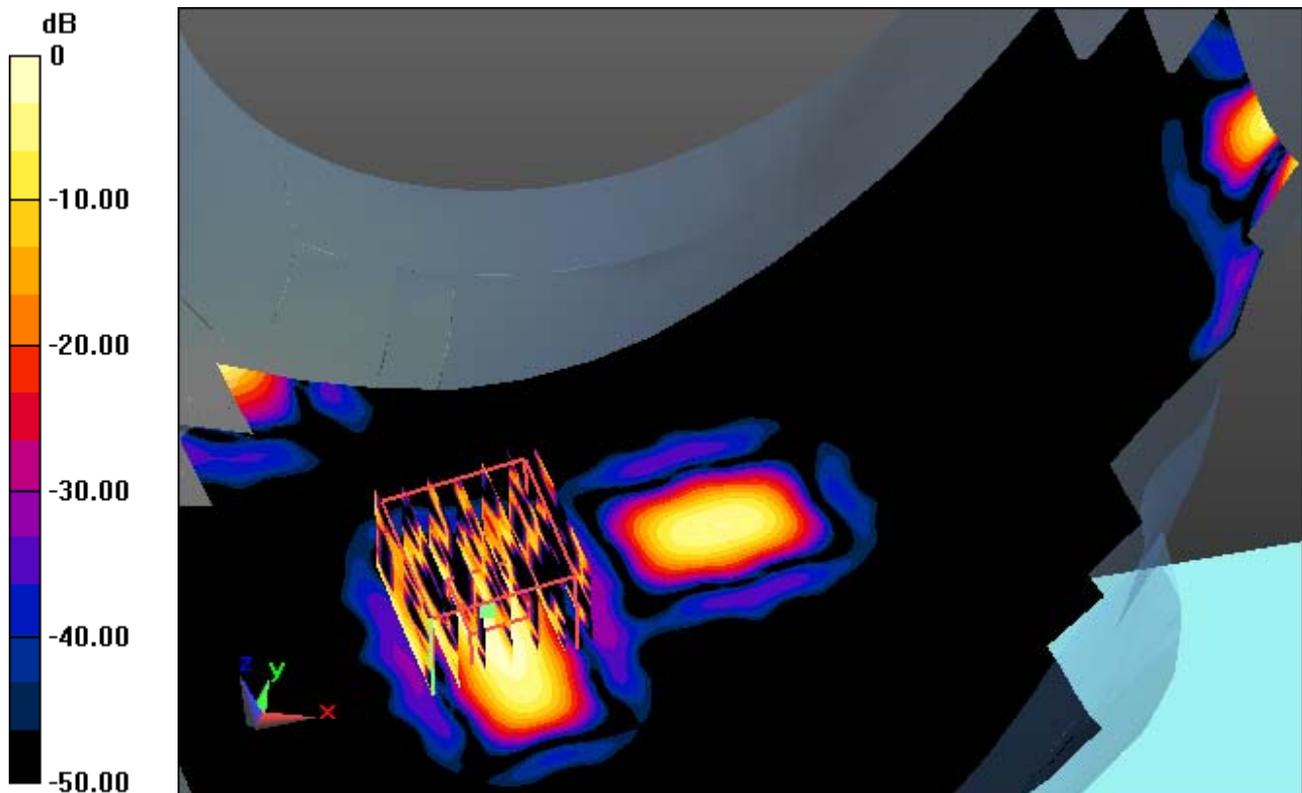Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Tilt, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.398 mW/g
SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.010 W/kg

0 dB = 0.0782 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

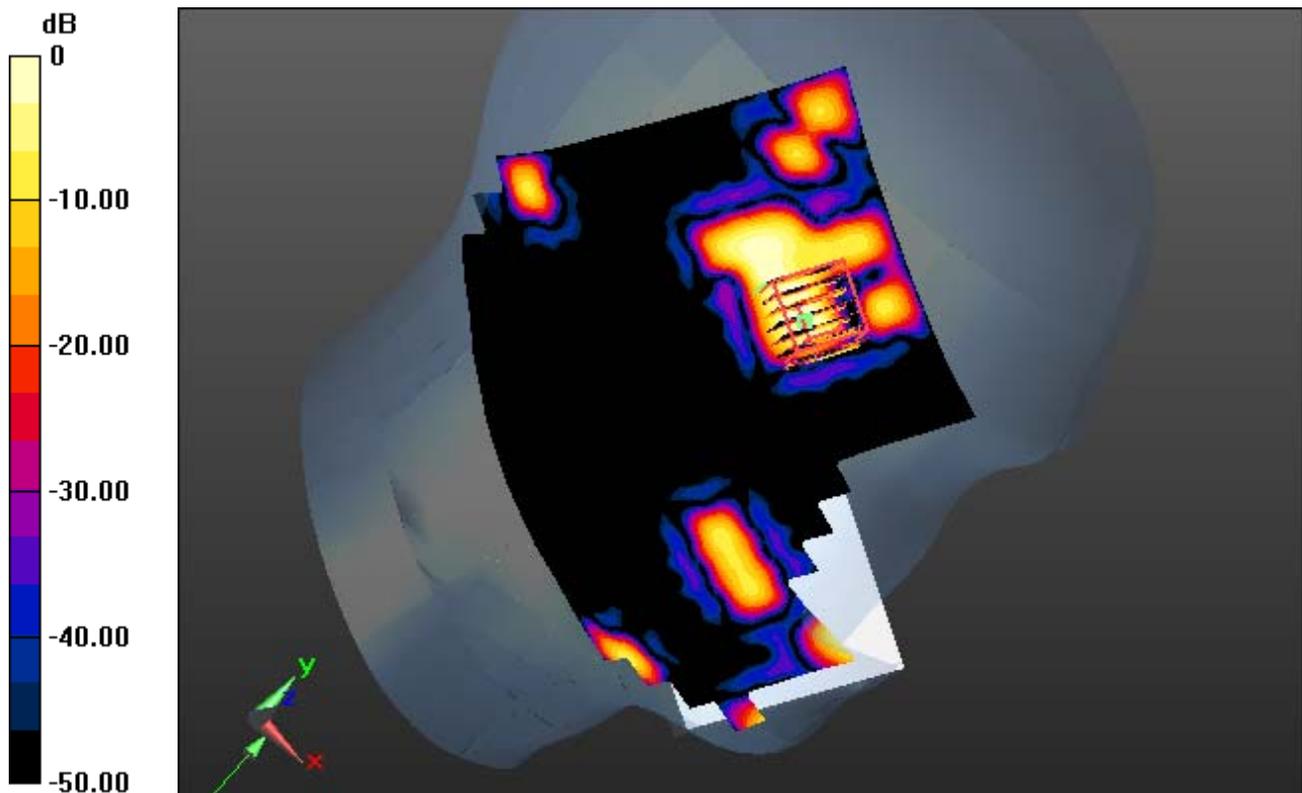## Left Touch, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.497 mW/g
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.017 W/kg

0 dB = 0.170 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Touch, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

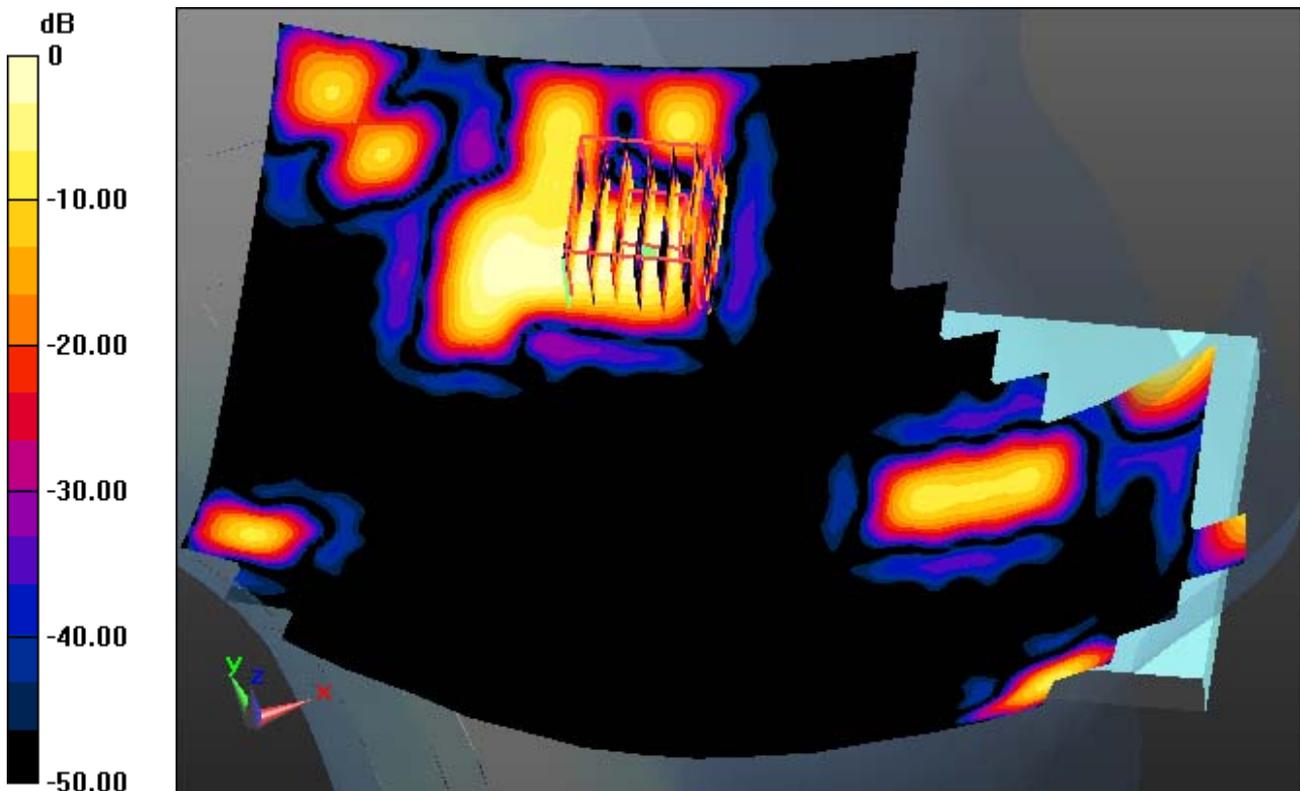## With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.497 mW/g
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.017 W/kg

0 dB = 0.170 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

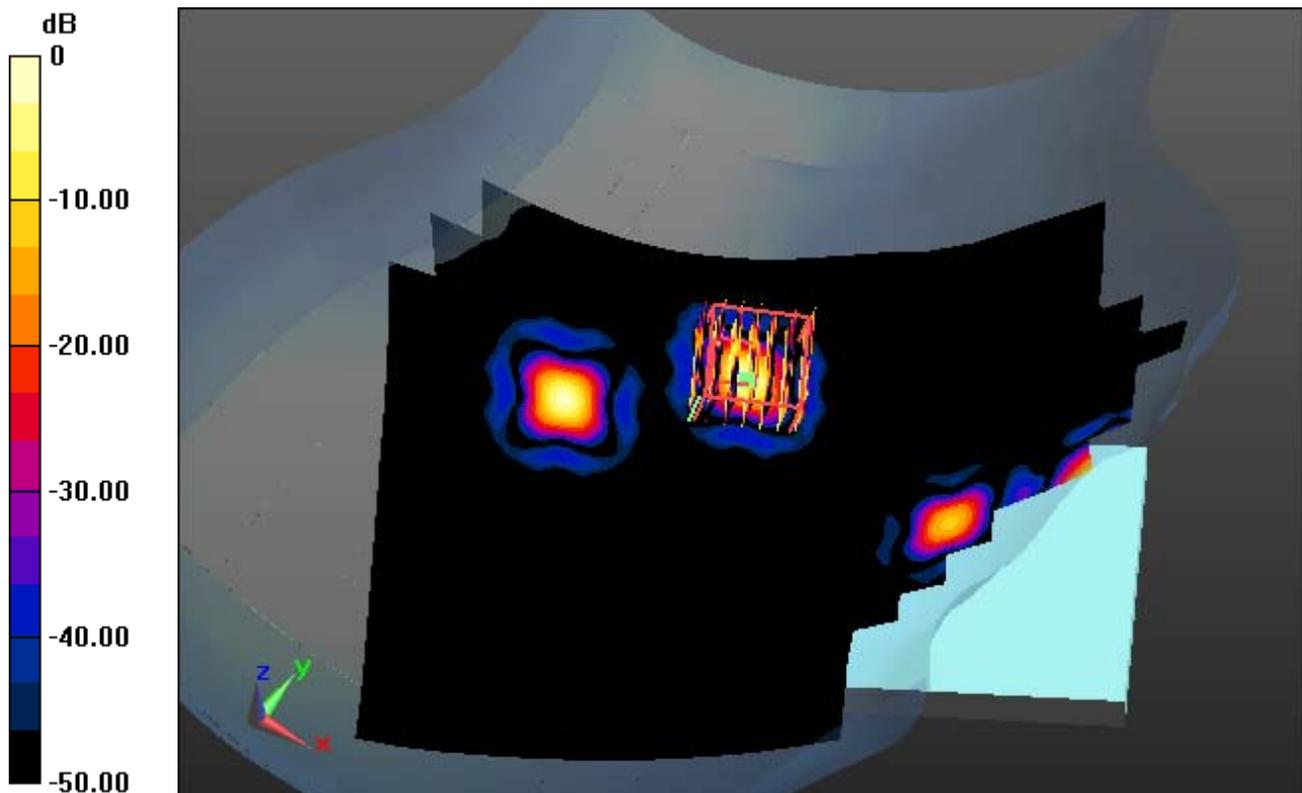## Right Touch, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.604 mW/g
SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.00852 W/kg

0 dB = 0.0711 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3
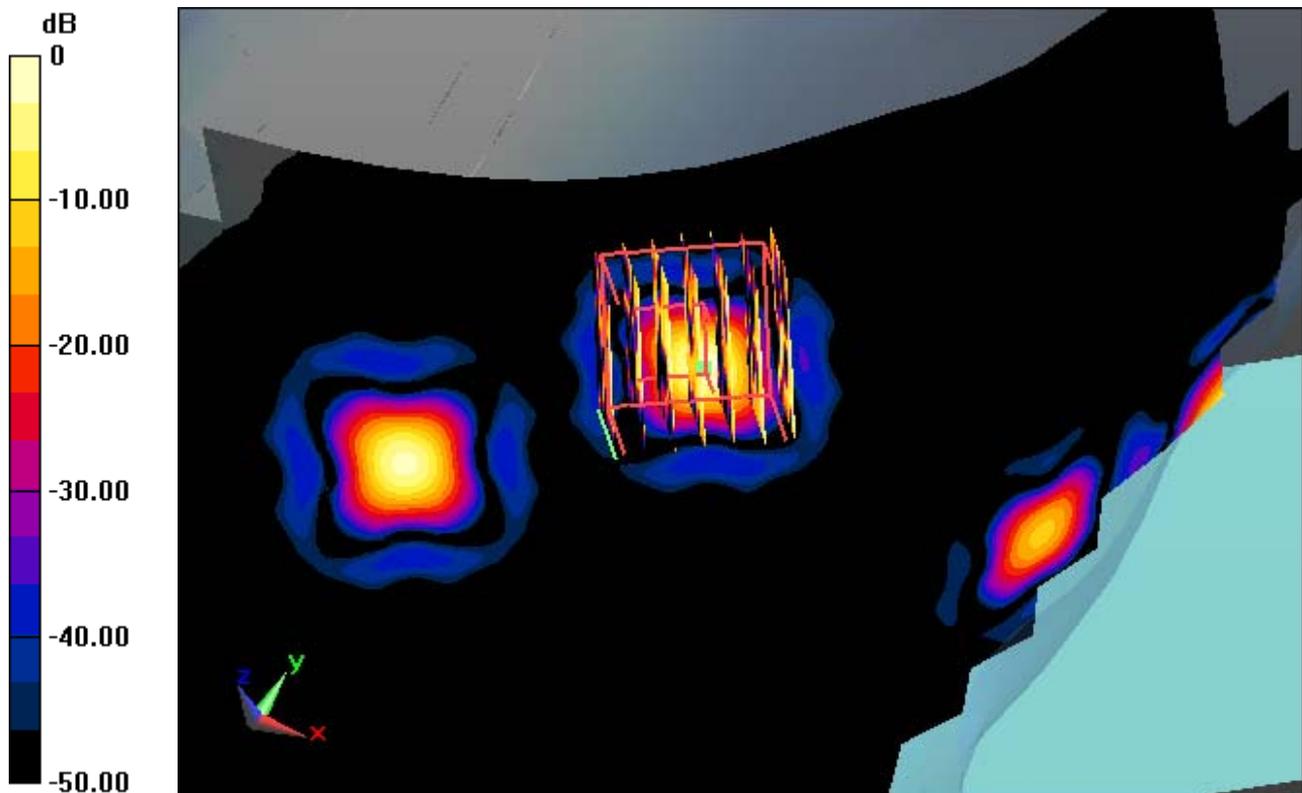
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Touch, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.604 mW/g
SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.00852 W/kg

0 dB = 0.0711 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

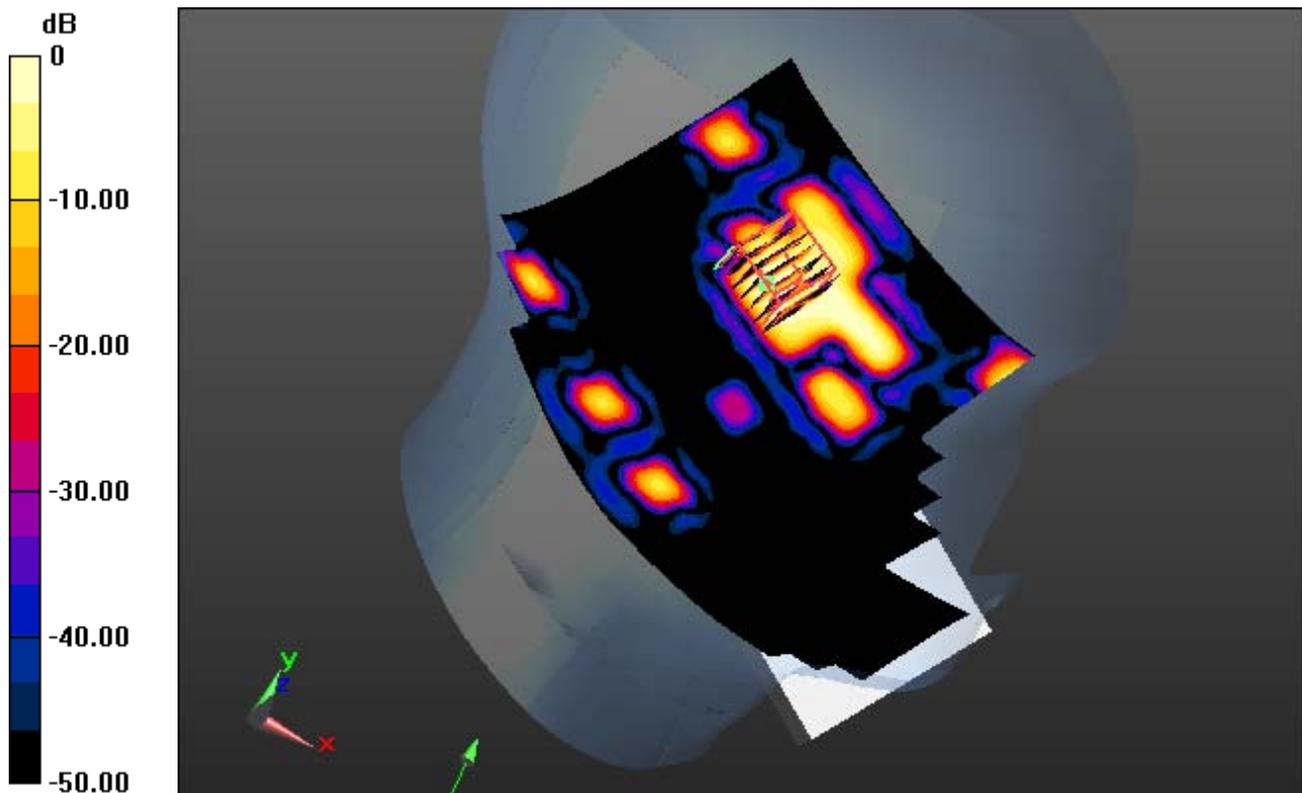**Left Tilt, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery**

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.442 mW/g
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.173 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3
Phantom section: Left Section
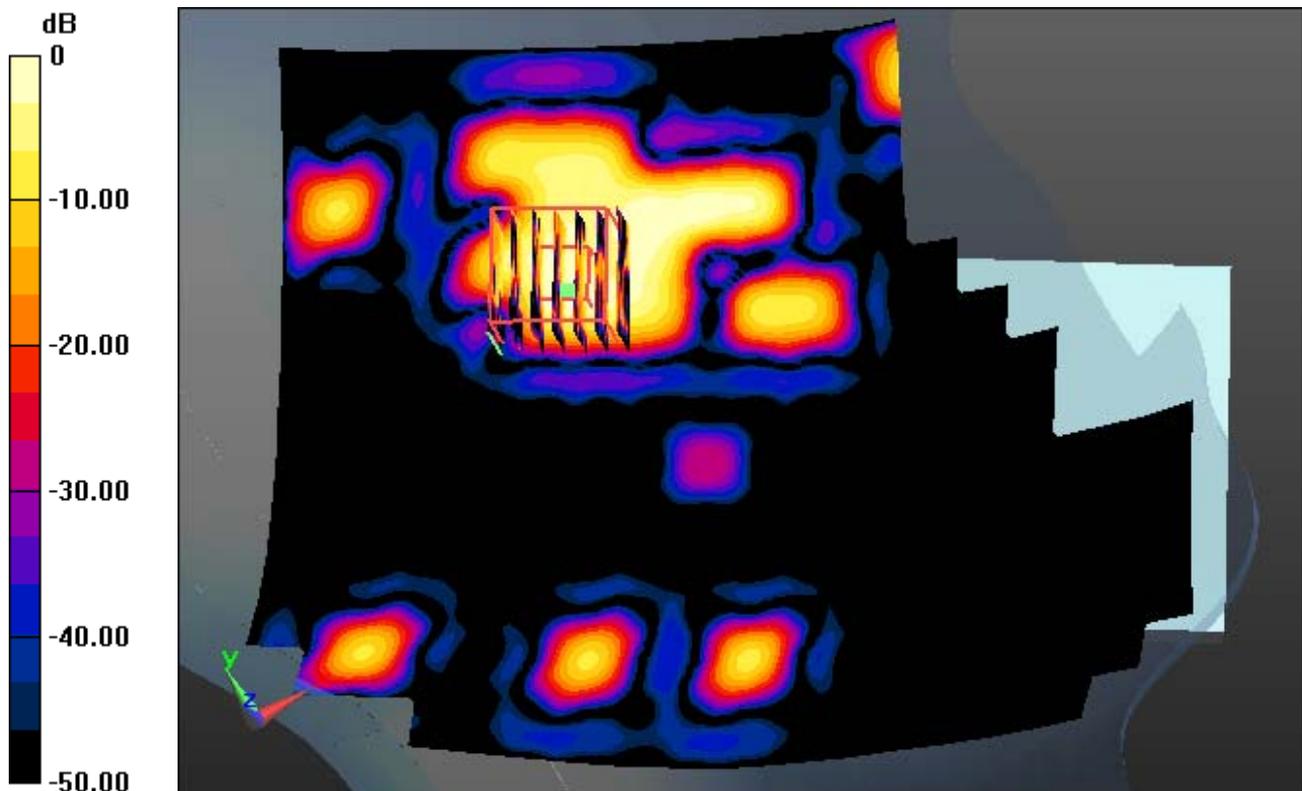
DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Tilt, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.442 mW/g
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.016 W/kg

0 dB = 0.173 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
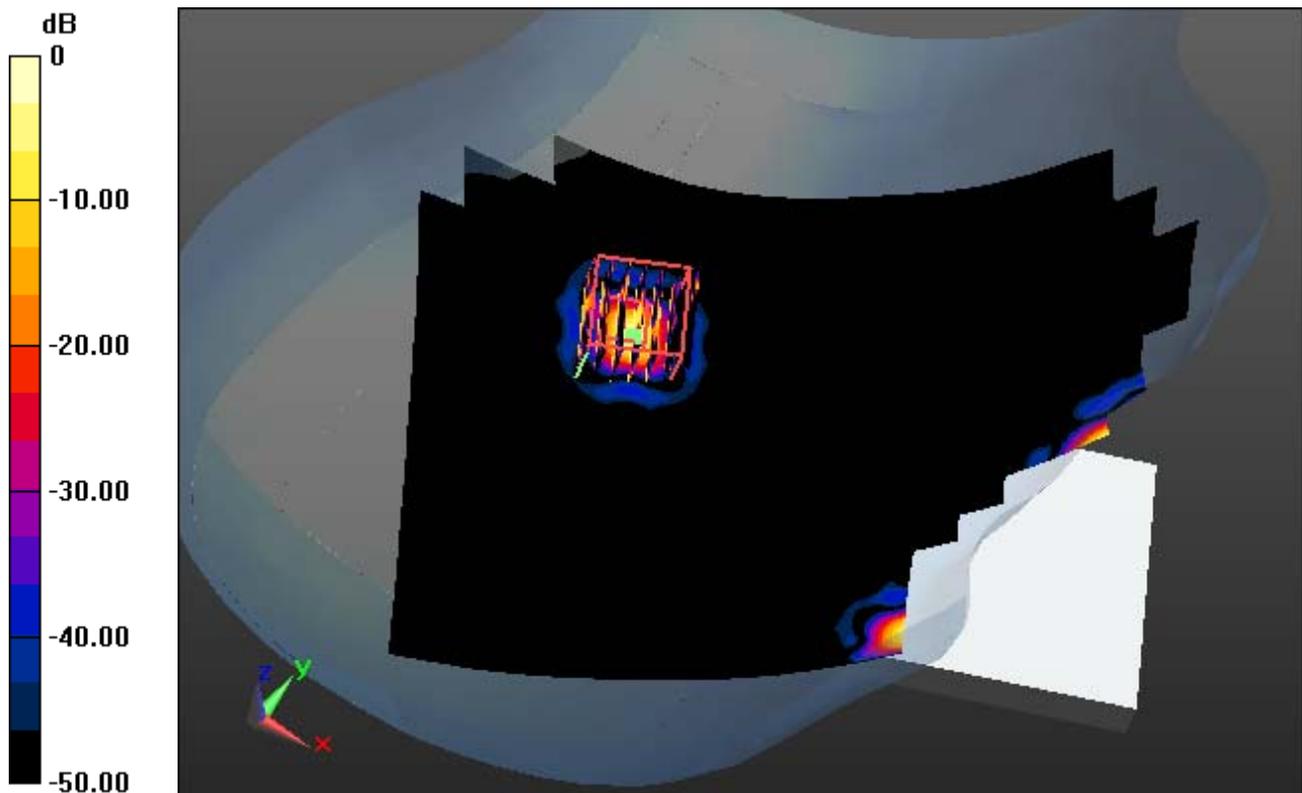
Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Tilt, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.611 mW/g
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.00644 W/kg

0 dB = 0.0919 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5300 MHz; σ = 4.859 mho/m; ε_r = 35.276; ρ = 1000 kg/m^3
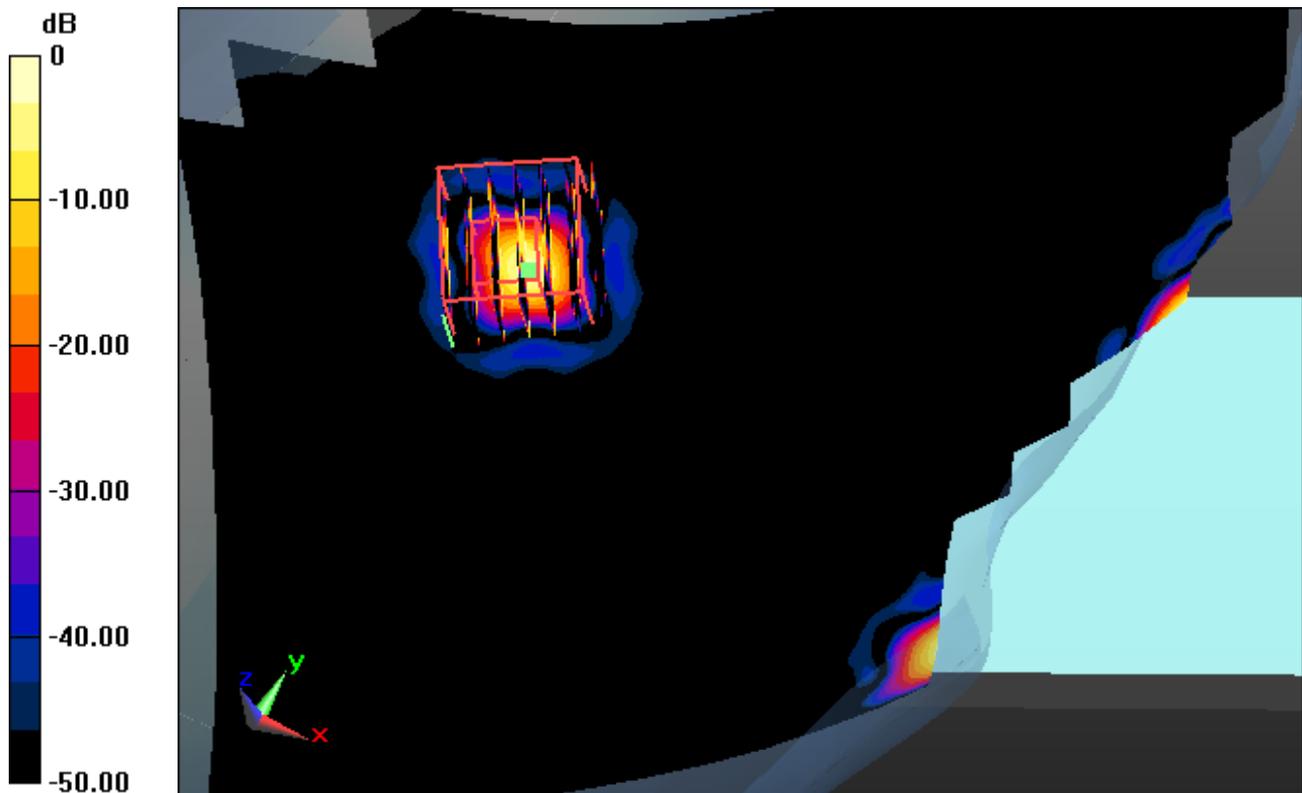
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Tḽi j v̌Vḽɪv, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.611 mW/g
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.00644 W/kg

0 dB = 0.0919 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

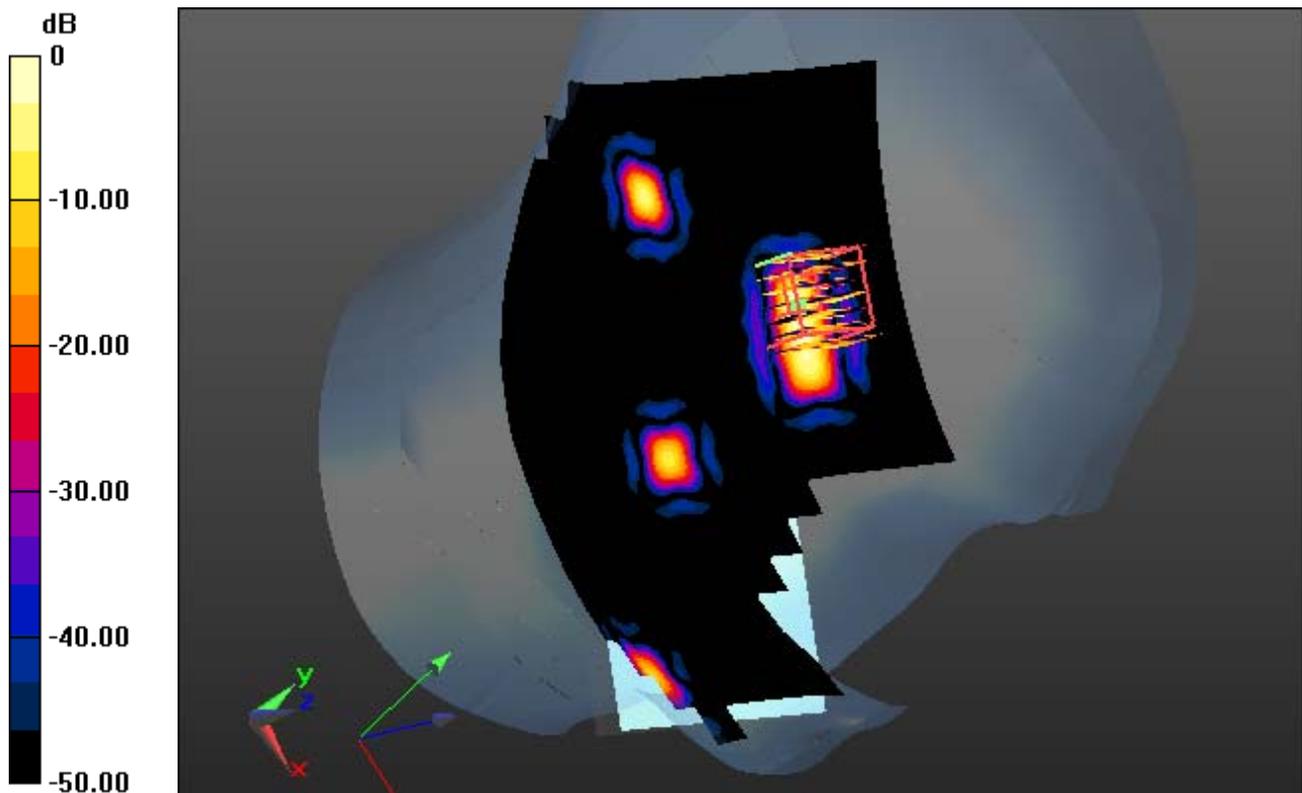## Left Touch, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.587 mW/g
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.011 W/kg

0 dB = 0.109 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3
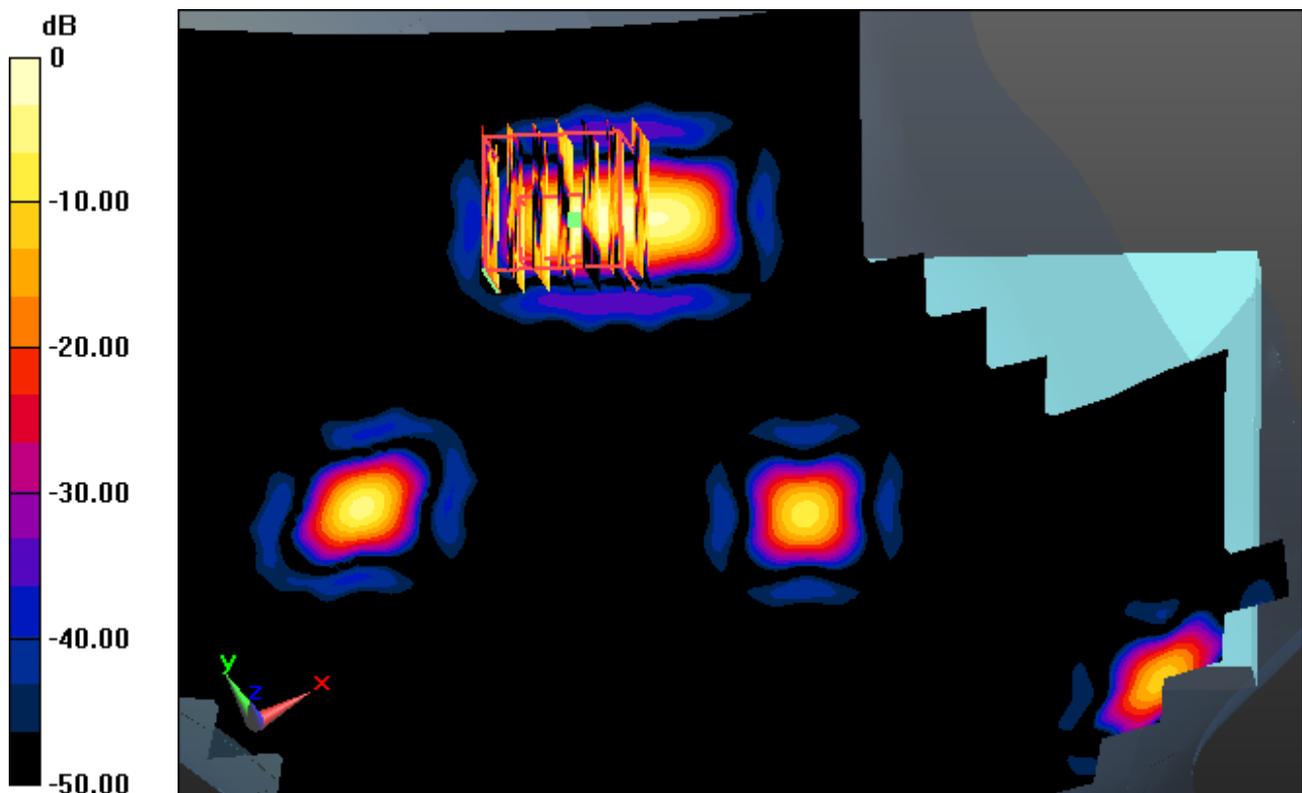Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Touch, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.587 mW/g
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.011 W/kg

0 dB = 0.109 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

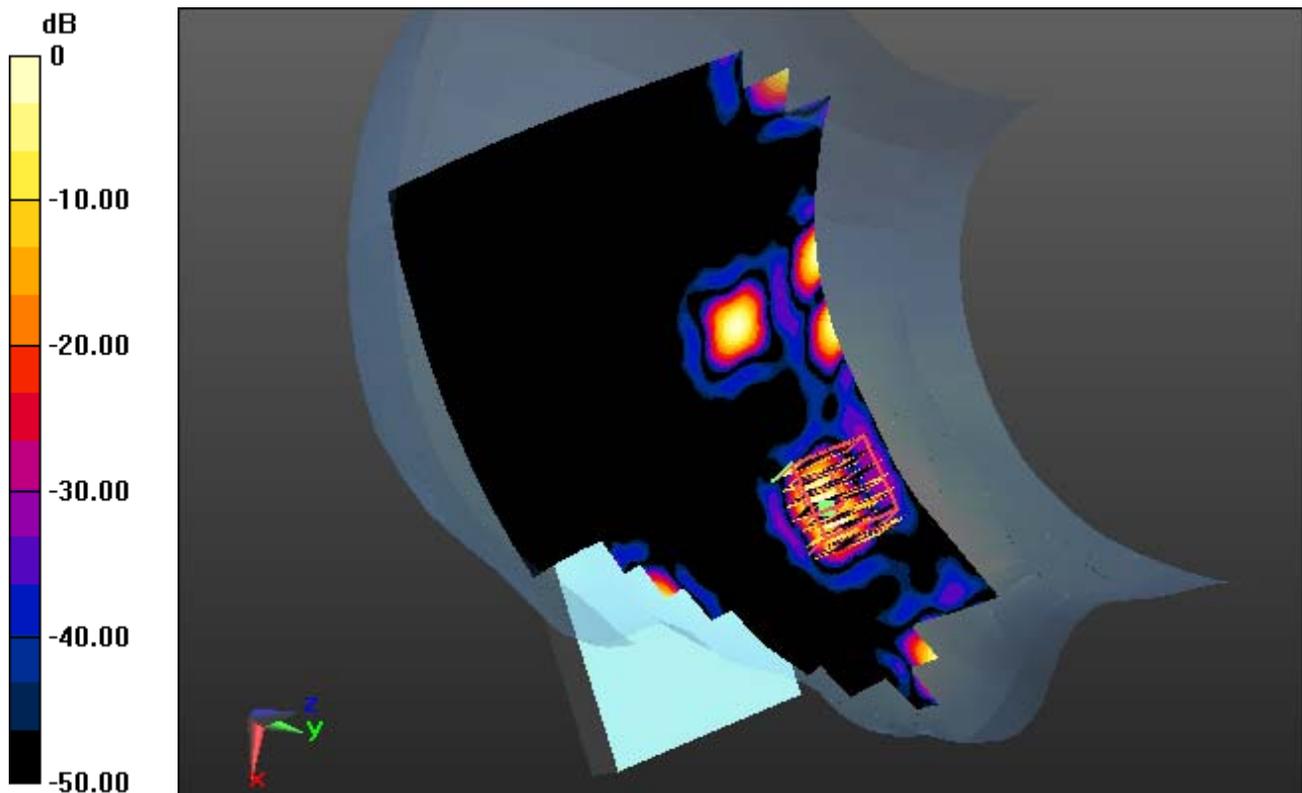## Right Touch, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.103 mW/g
SAR(1 g) = 0.00433 W/kg; SAR(10 g) = 0.000754 W/kg

0 dB = 0.0378 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

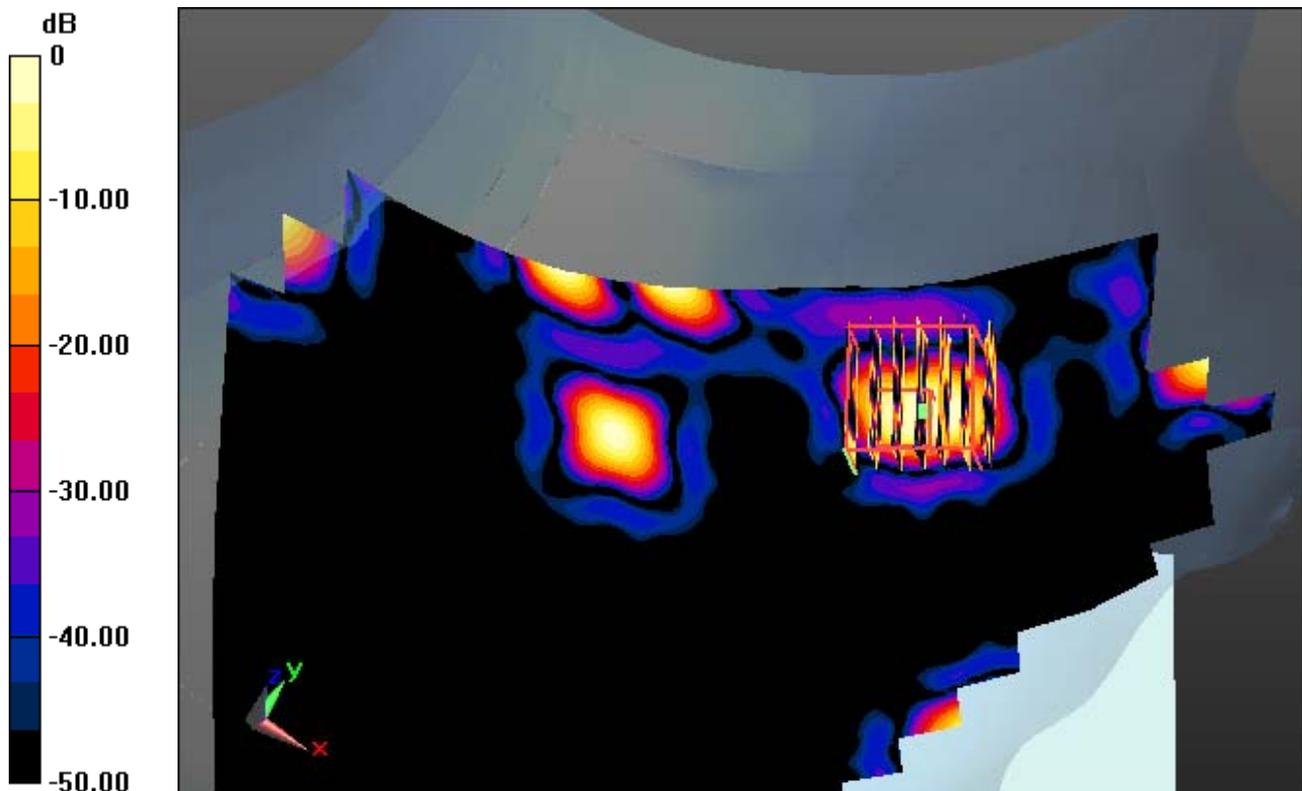Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Touch, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.103 mW/g
SAR(1 g) = 0.00433 W/kg; SAR(10 g) = 0.000754 W/kg

0 dB = 0.0378 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

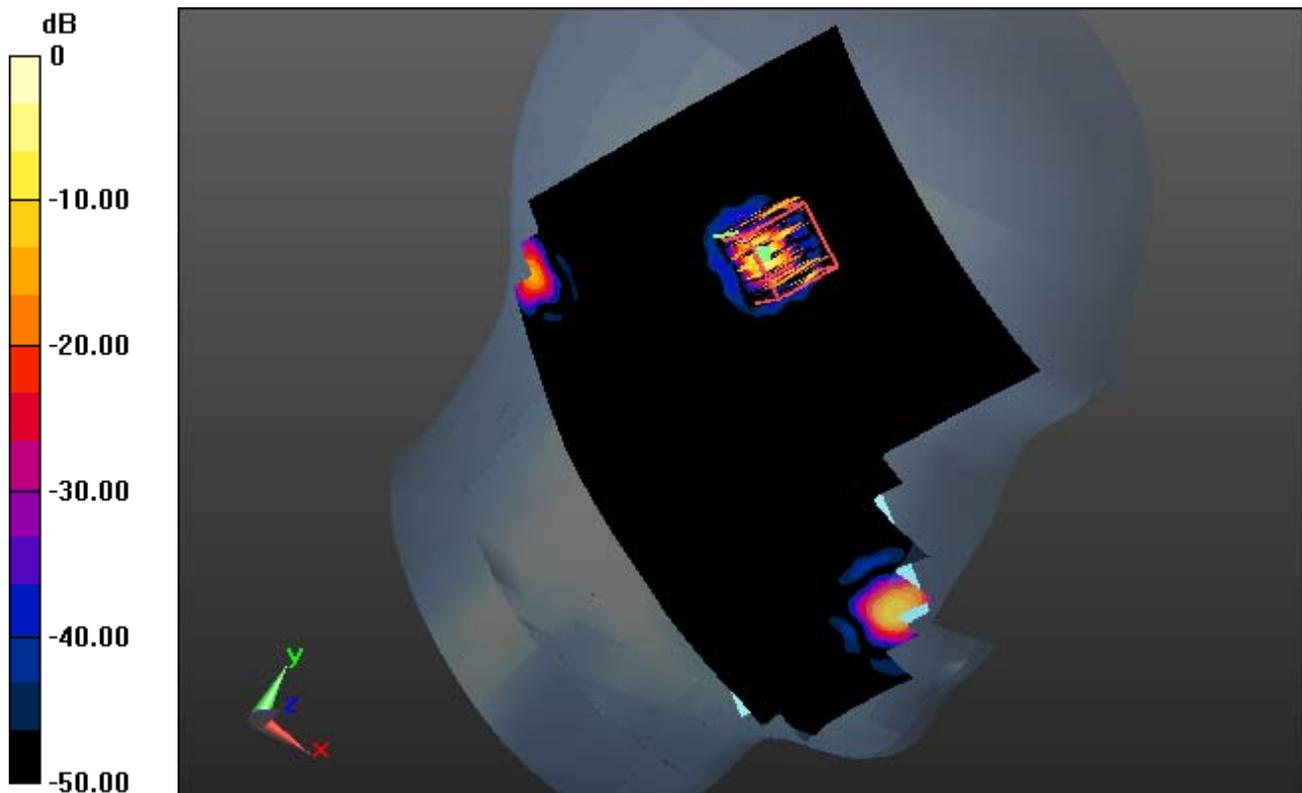## Left Tilt, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.339 mW/g
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00252 W/kg

0 dB = 0.0556 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3
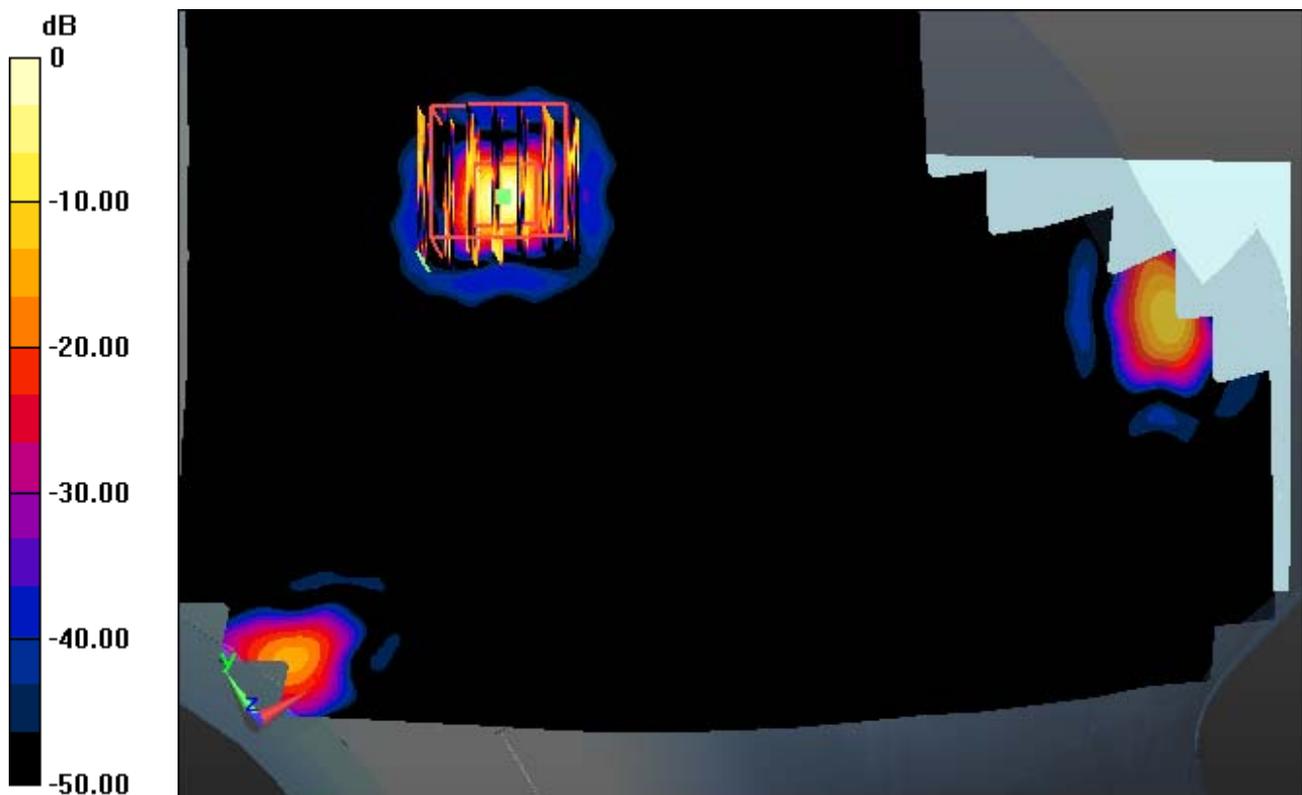Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Left Tilt, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.339 mW/g
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00252 W/kg

0 dB = 0.0556 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)
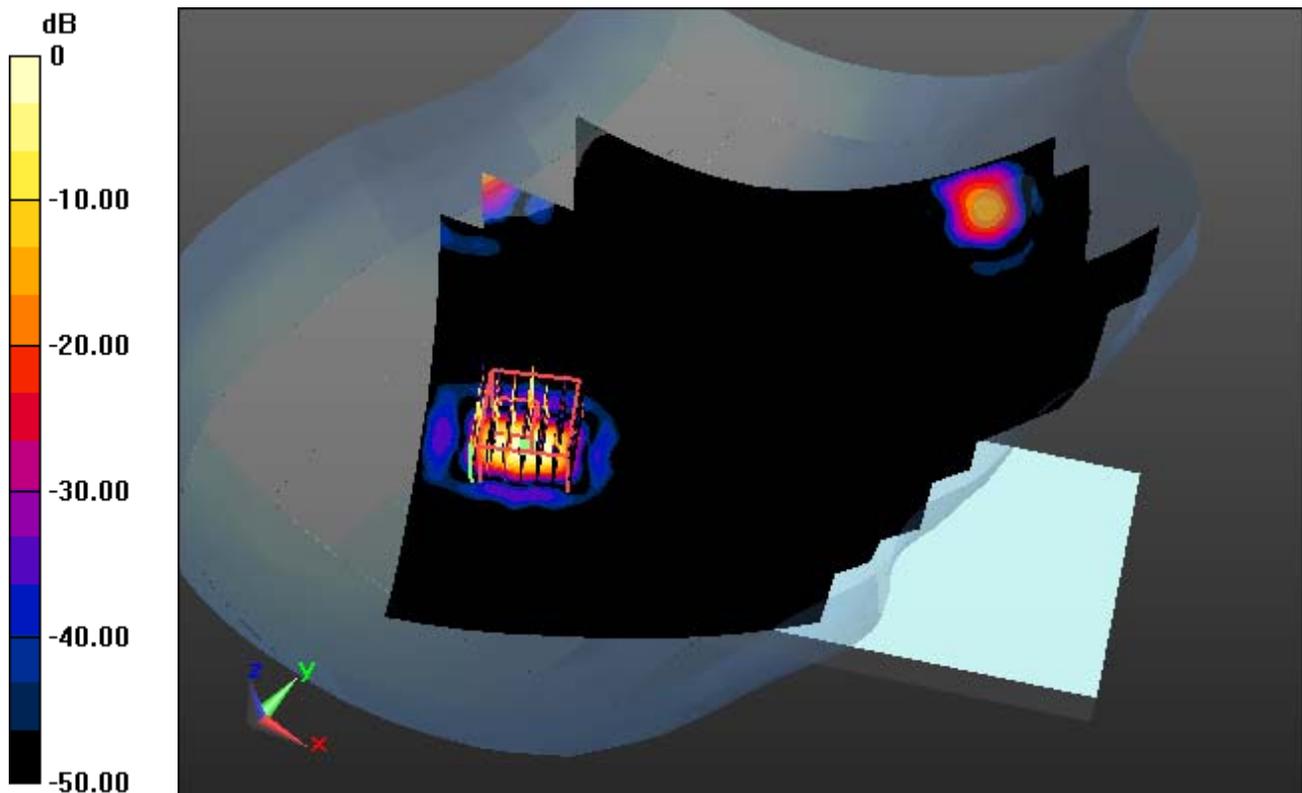
Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Tilt, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.055 mW/g
SAR(1 g) = 0.00139 W/kg; SAR(10 g) = 0.000146 W/kg

0 dB = 0.0326 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.098 mho/m; ε_r = 34.916; ρ = 1000 kg/m^3

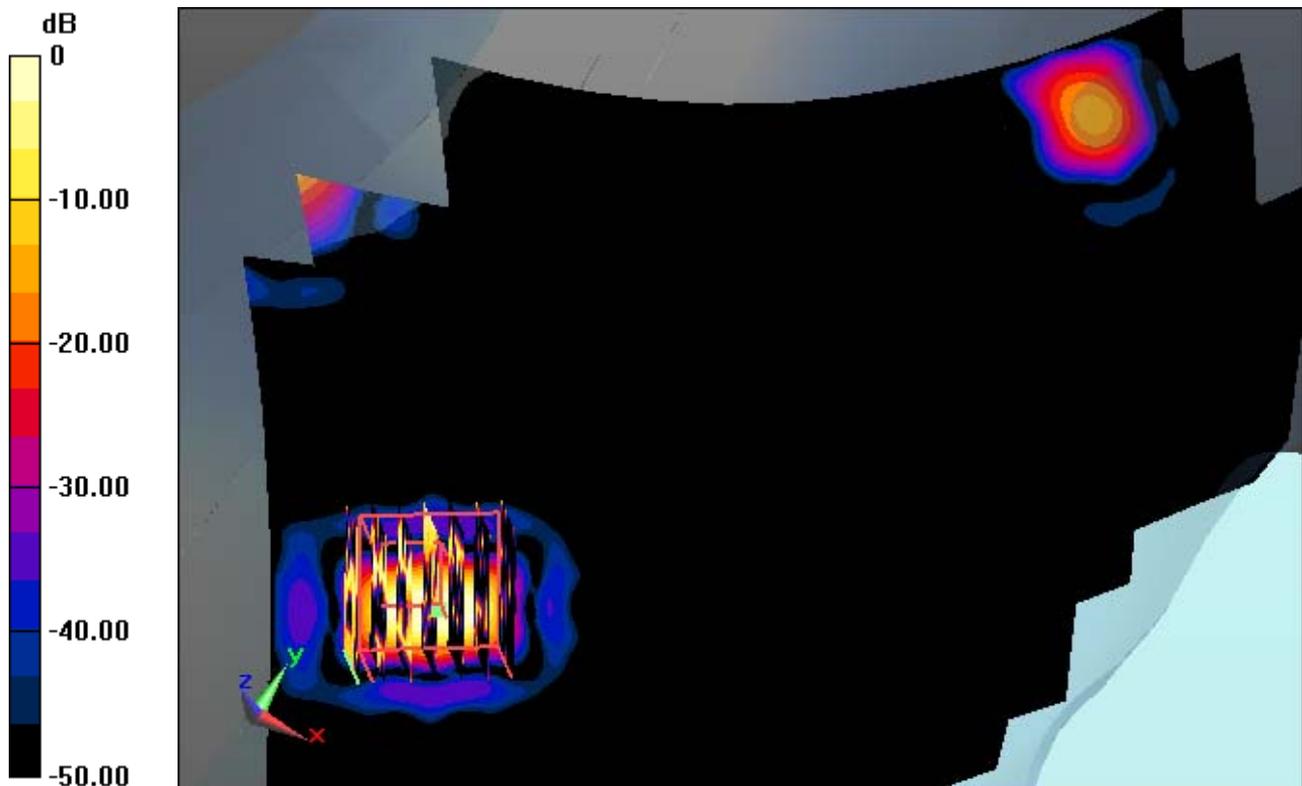Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-12; Ambient Temp: 22.5 Tissue Temp:22.7

Right Tilt, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (141x181x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.055 mW/g
SAR(1 g) = 0.00139 W/kg; SAR(10 g) = 0.000146 W/kg

0 dB = 0.0326 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

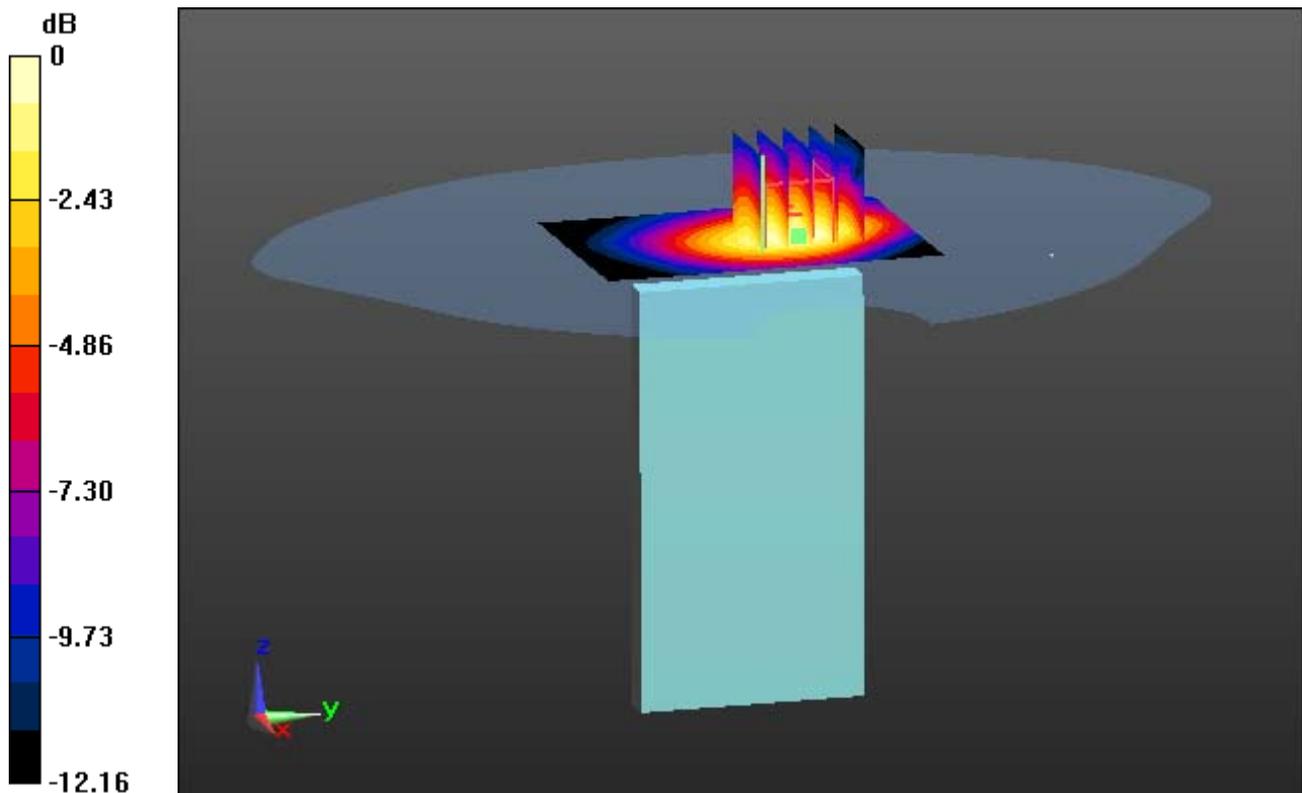**1 cm space from Body, Bottom, GSM850 GPRS 2 Tx Ch. 190, Ant Internal**

Area Scan (51x71x1): Measurement 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) = 0.430 mW/g
SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.190 W/kg

0 dB = 0.369 mW/g

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

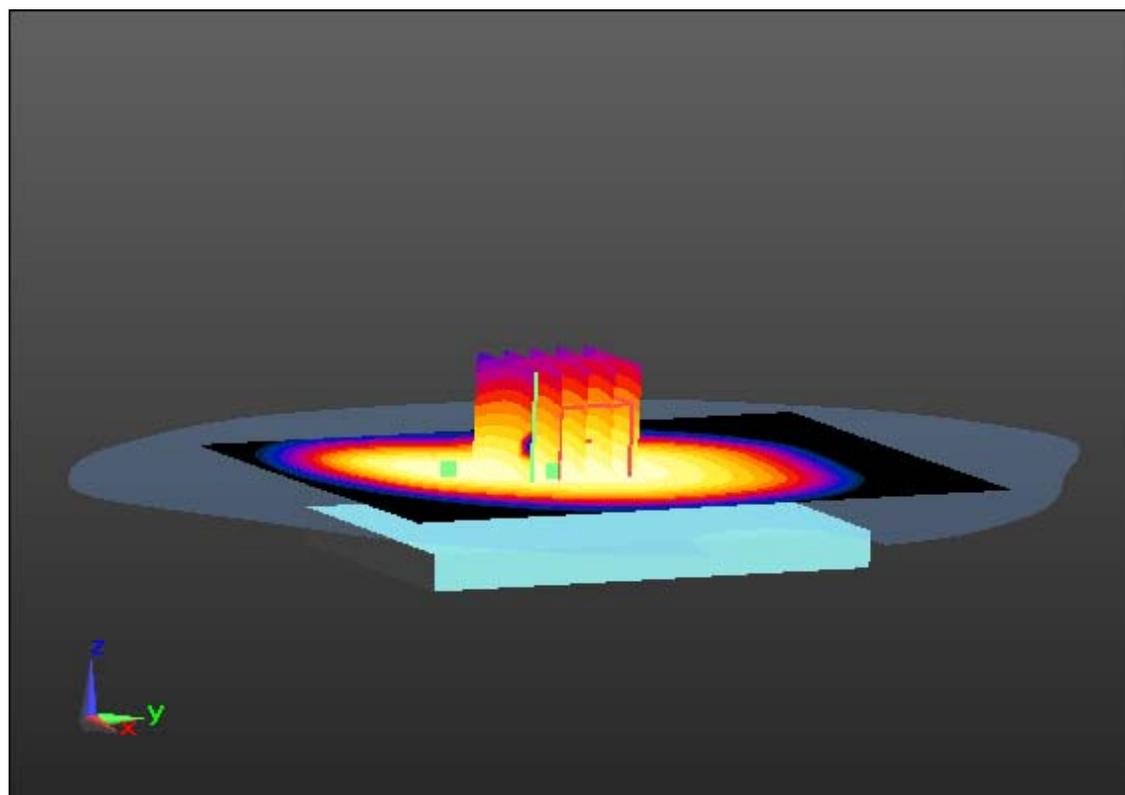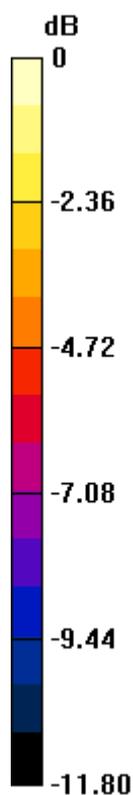### 1 cm space from Body, Front, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.841 mW/g
SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.507 W/kg

0 dB = 0.761 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

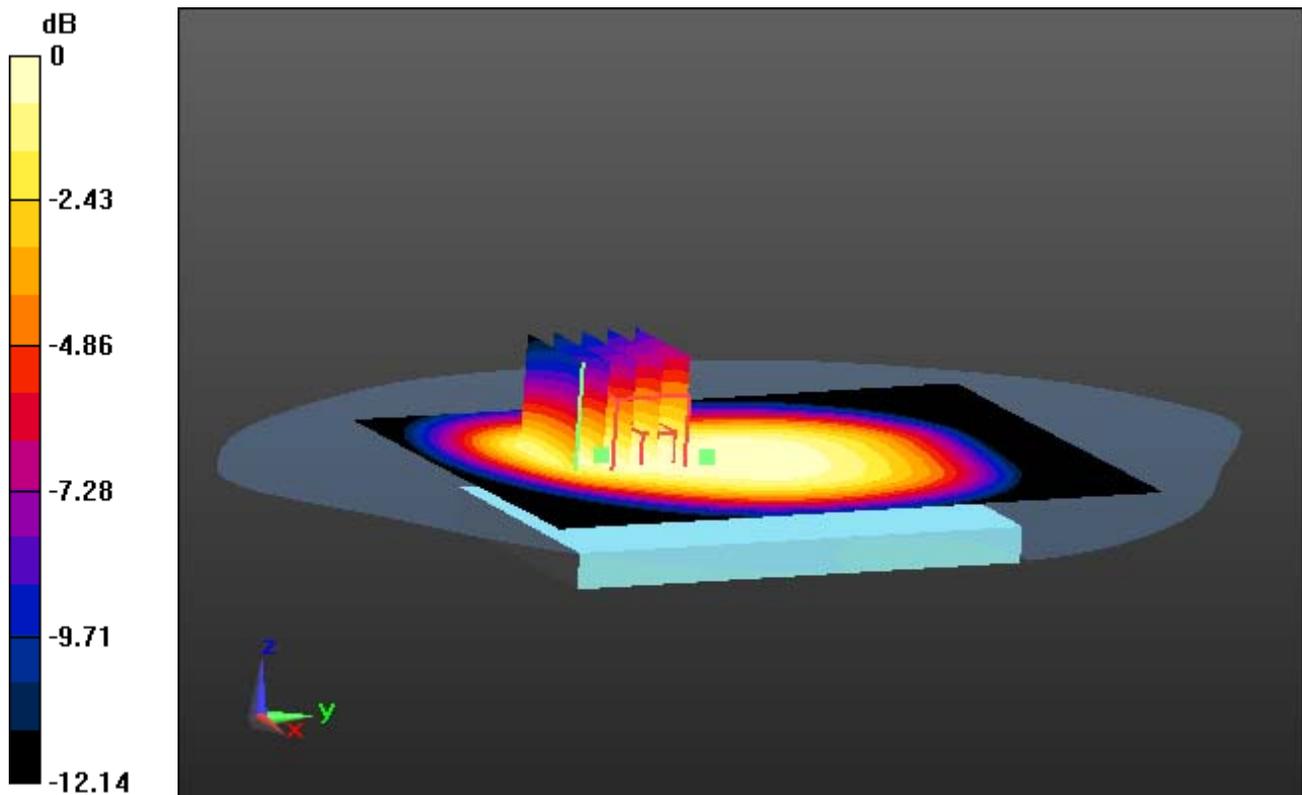**1 cm space from Body, Front, GSM850 GPRS 2 Tx Ch. 190, Ant Internal**

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.848 mW/g
SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.448 W/kg

0 dB = 0.733 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

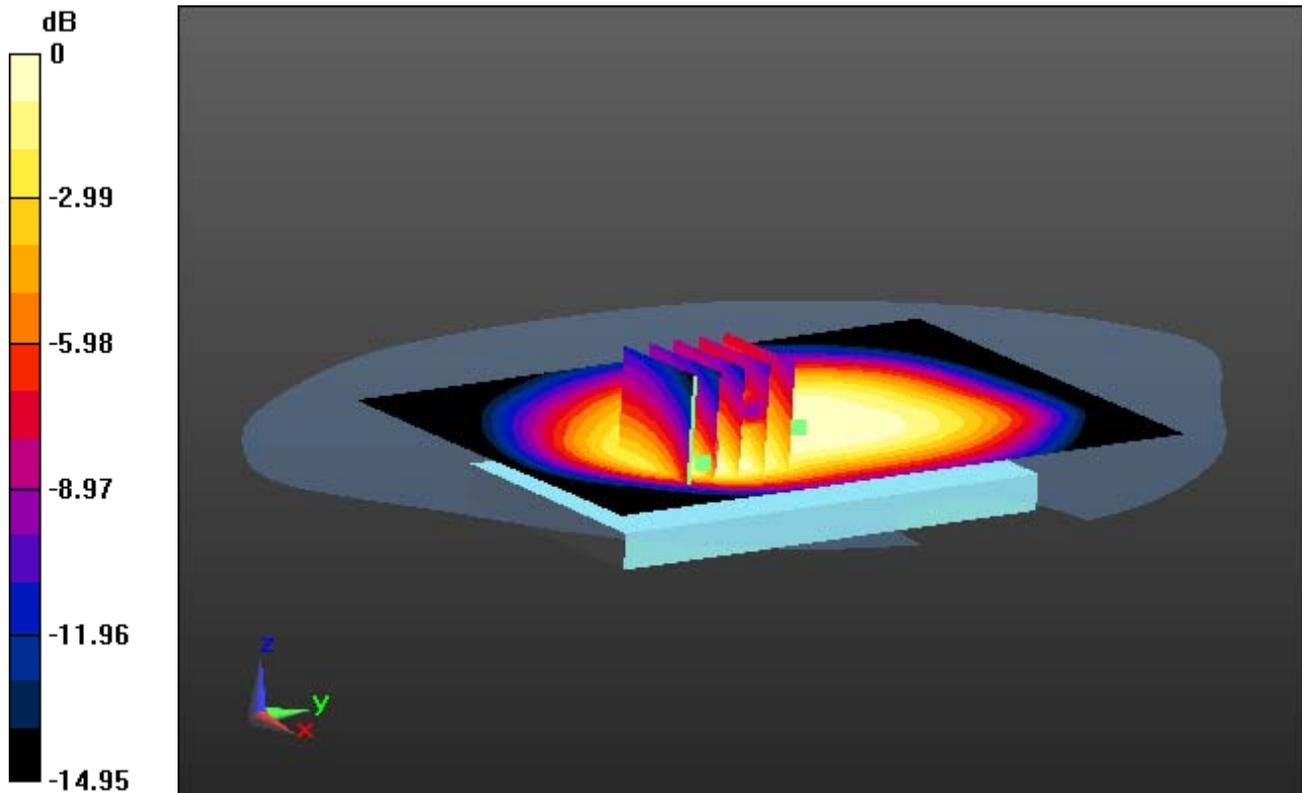### 1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.014 mW/g
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.447 W/kg

0 dB = 0.790 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

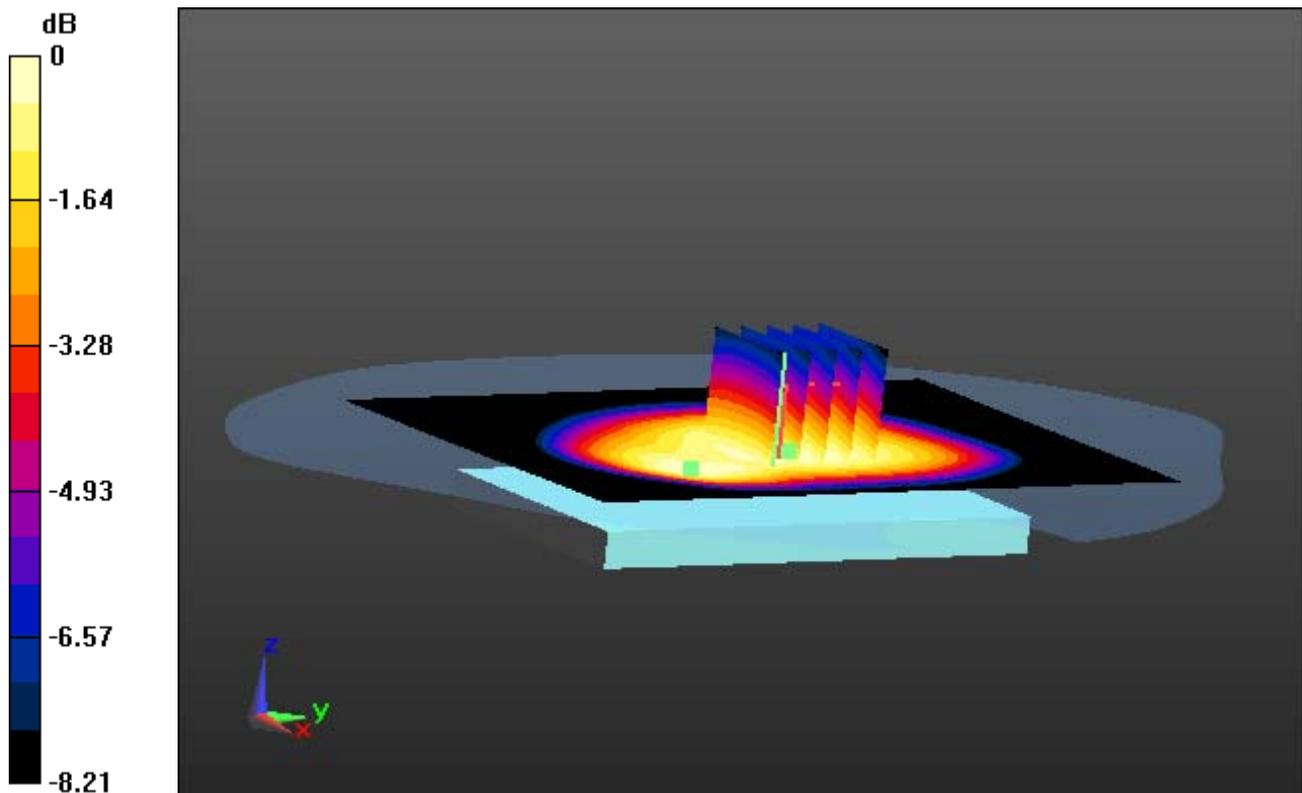## 1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.939 mW/g
SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.549 W/kg

0 dB = 0.843 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

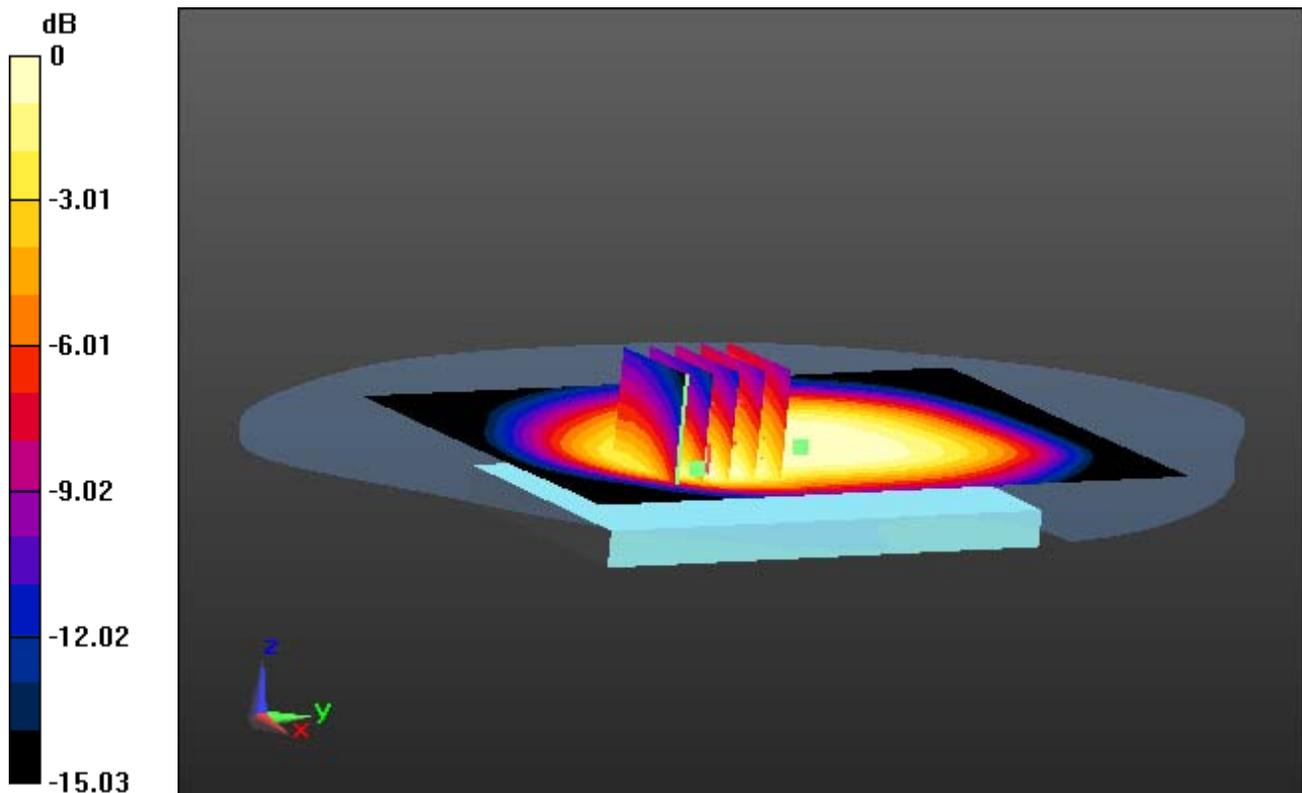## 1 cm space from Body, Rear, GSM850 GPRS 1 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.022 mW/g
SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.453 W/kg

0 dB = 0.796 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; $ε_r$ = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

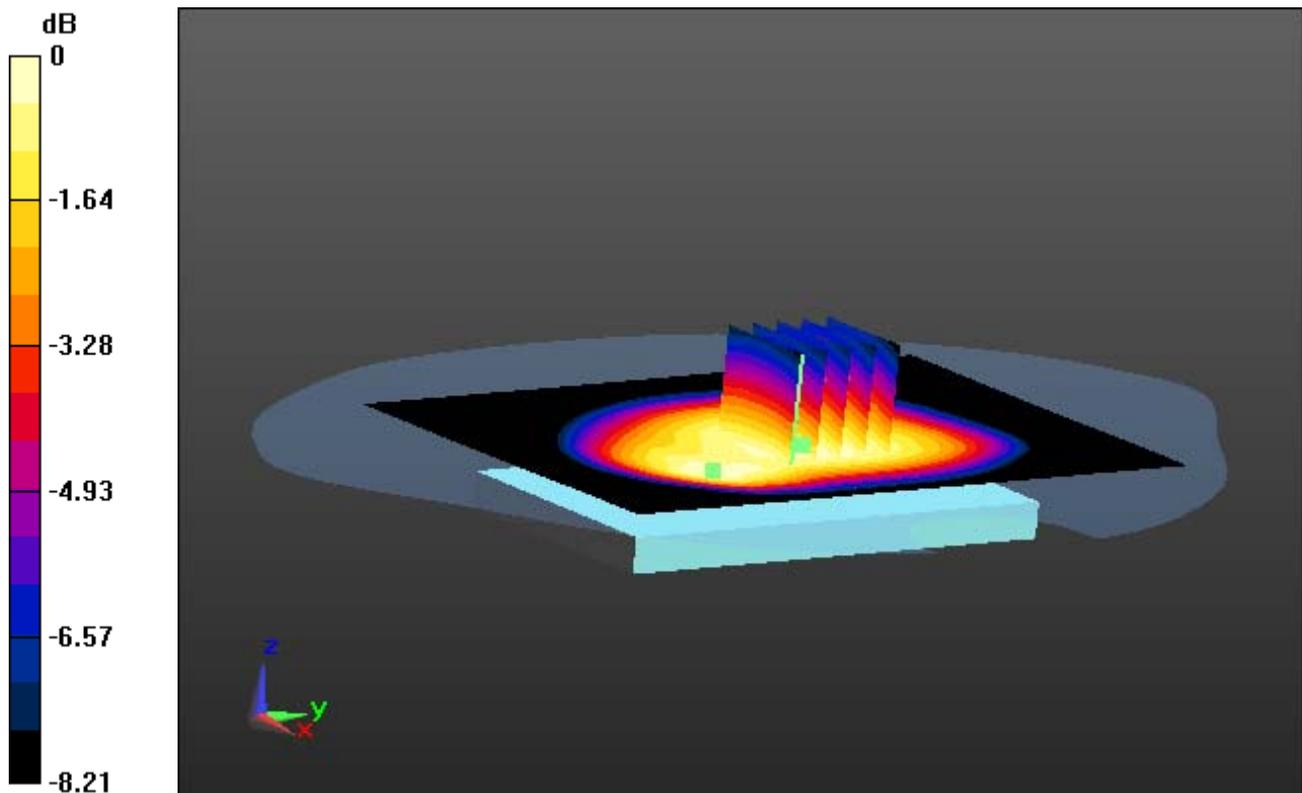**1 cm space from Body, Rear, GSM850 GPRS 1 Tx Ch. 190, Ant Internal**

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.948 mW/g
SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.556 W/kg

0 dB = 0.855 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; ε_r = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

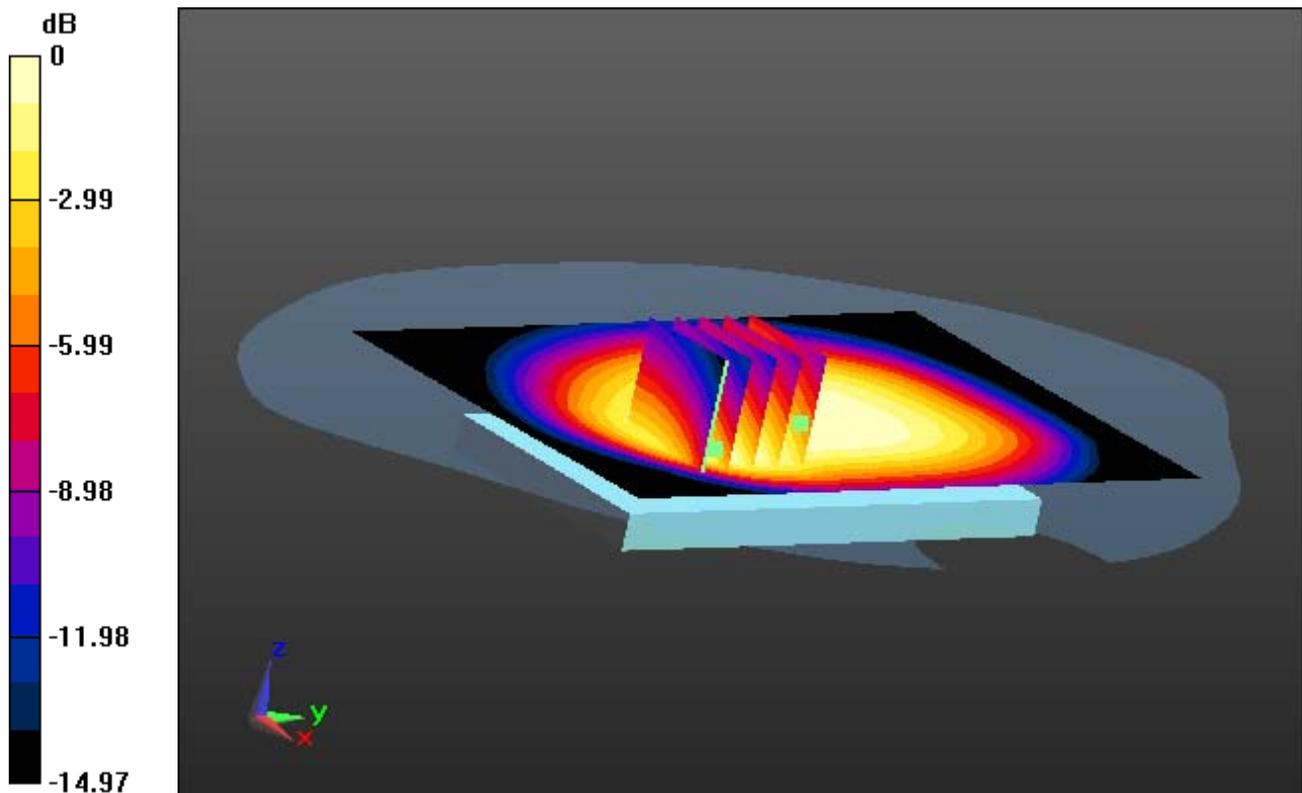**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 1.282 mW/g
SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.596 W/kg

0 dB = 1.02 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; ε_r = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

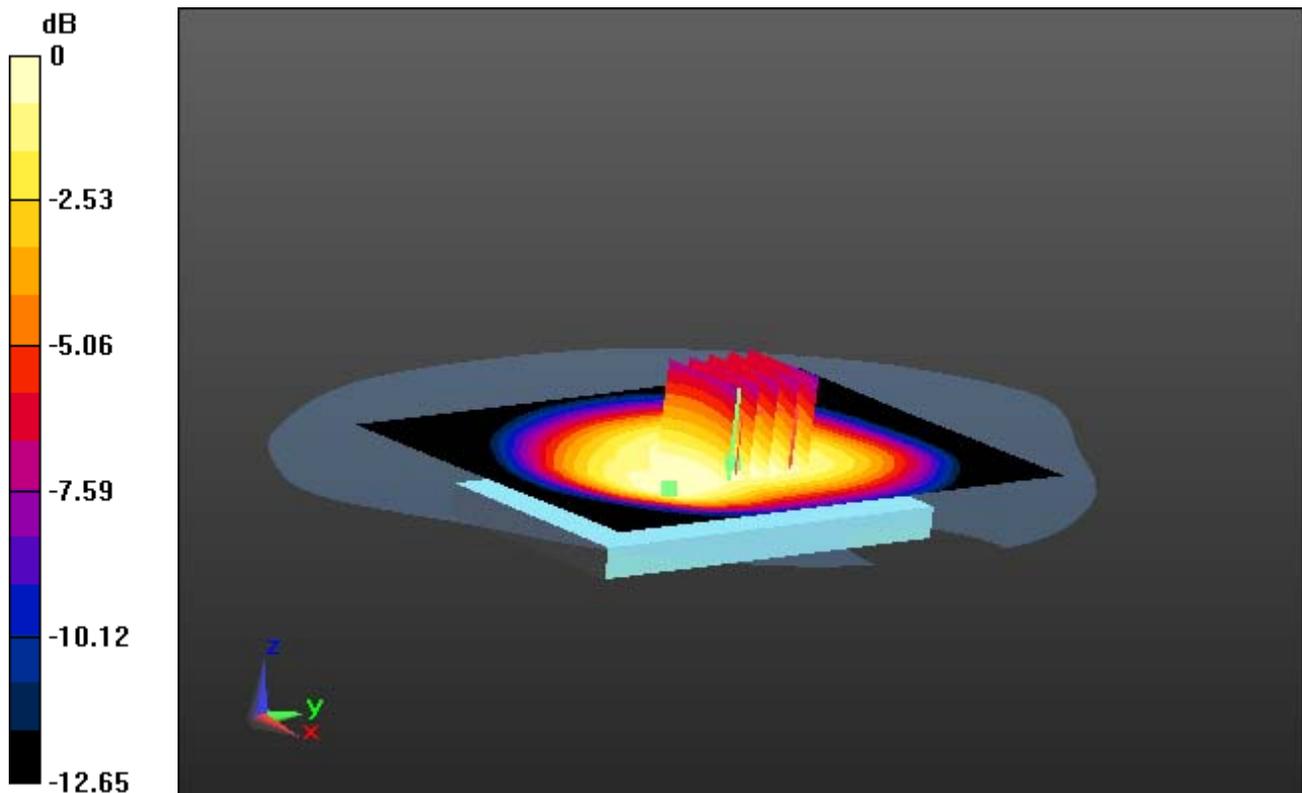**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal**

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.211 mW/g
SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.687 W/kg

0 dB = 1.09 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

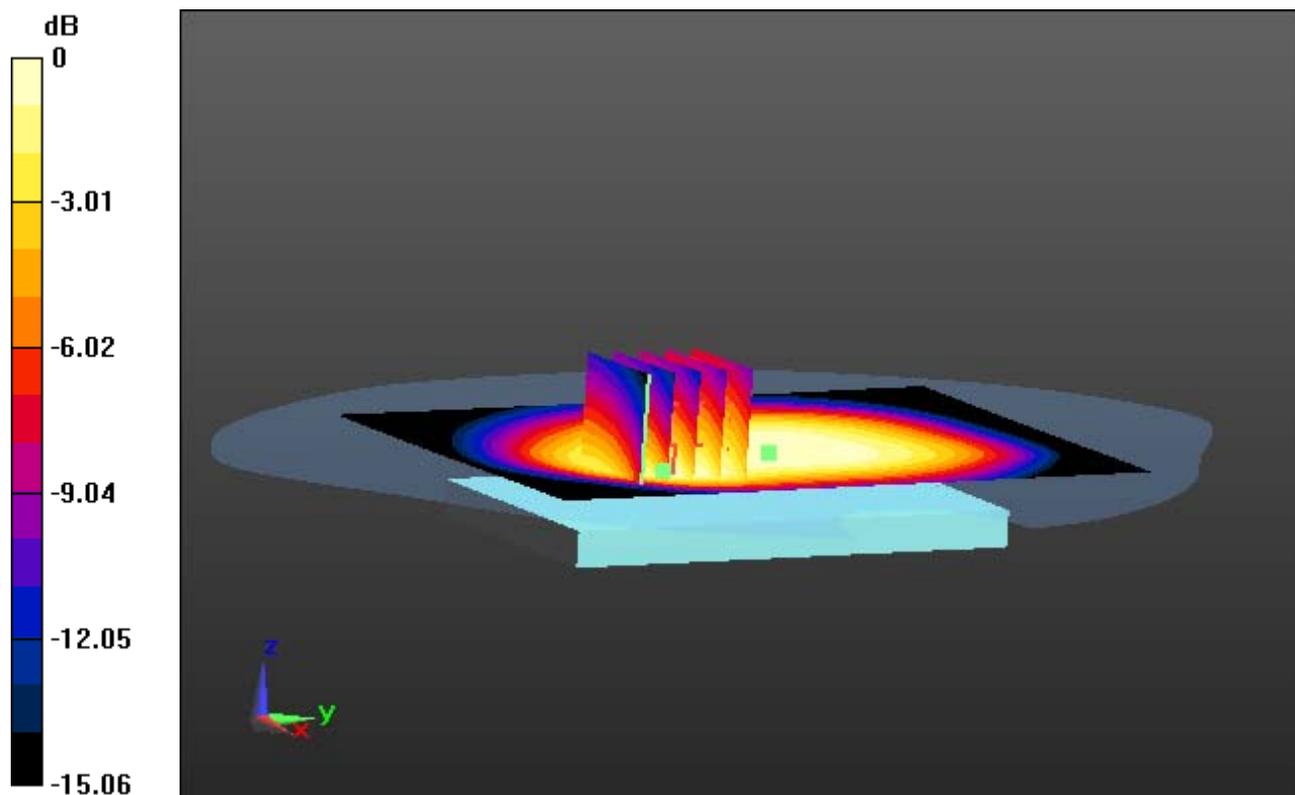### 1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.434 mW/g
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.636 W/kg

0 dB = 1.12 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; $ε_r$ = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

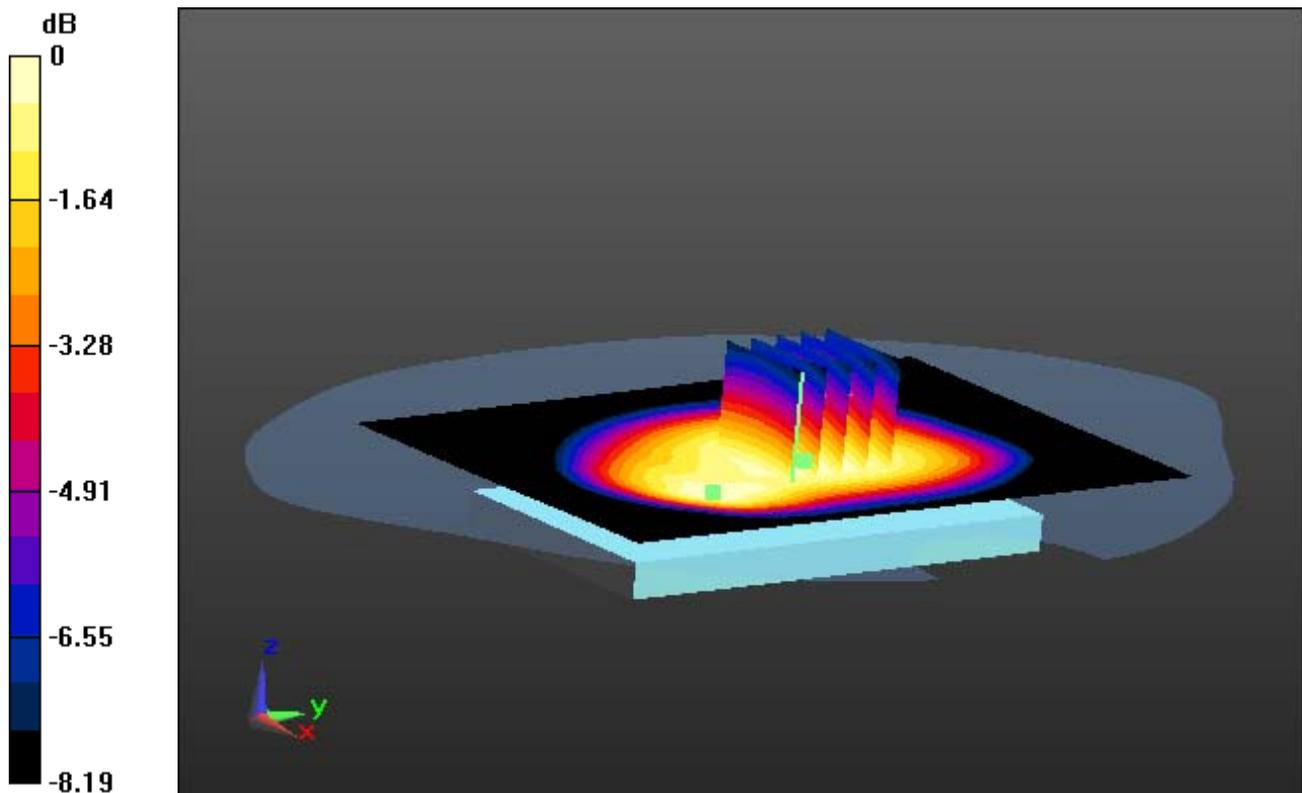**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal**

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.335 mW/g
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.784 W/kg

0 dB = 1.20 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; ε_r = 53.035; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

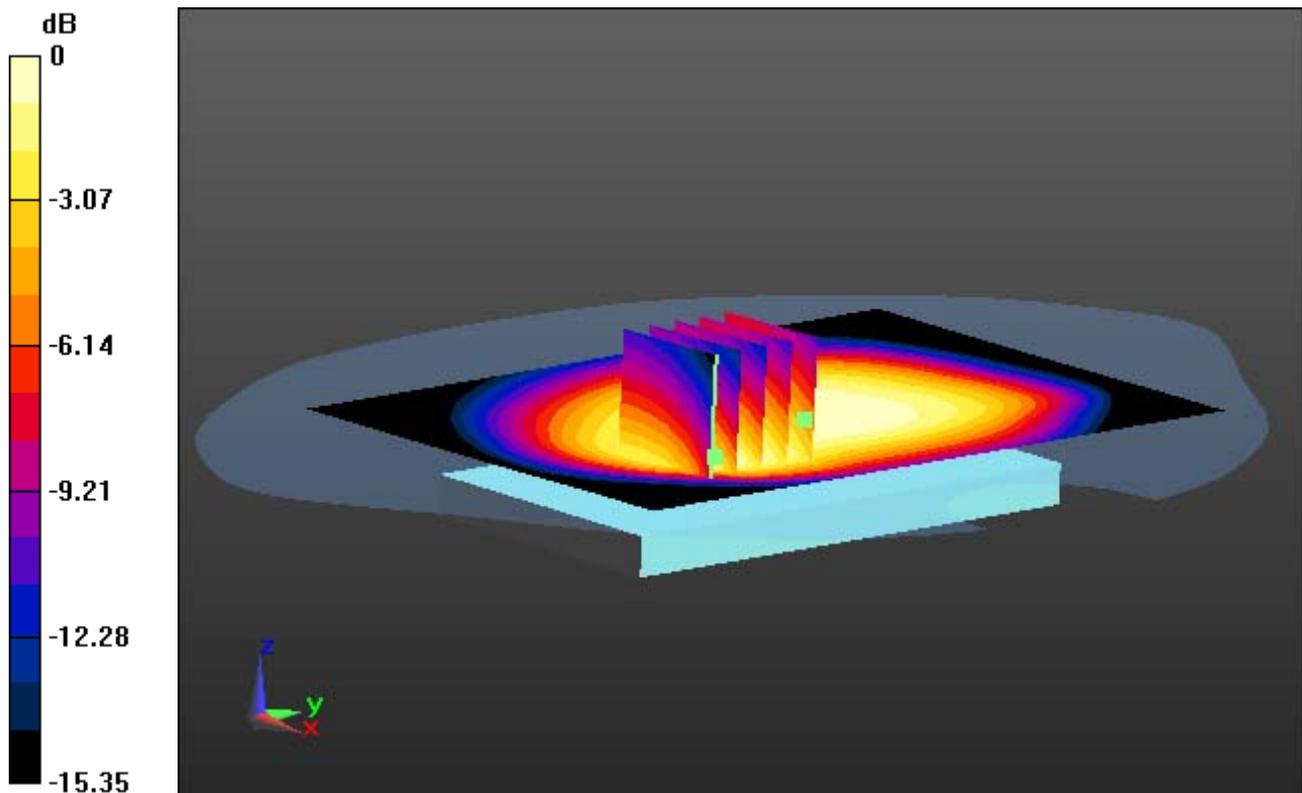**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 1.271 mW/g
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.543 W/kg

0 dB = 0.986 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; ε_r = 53.035; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal
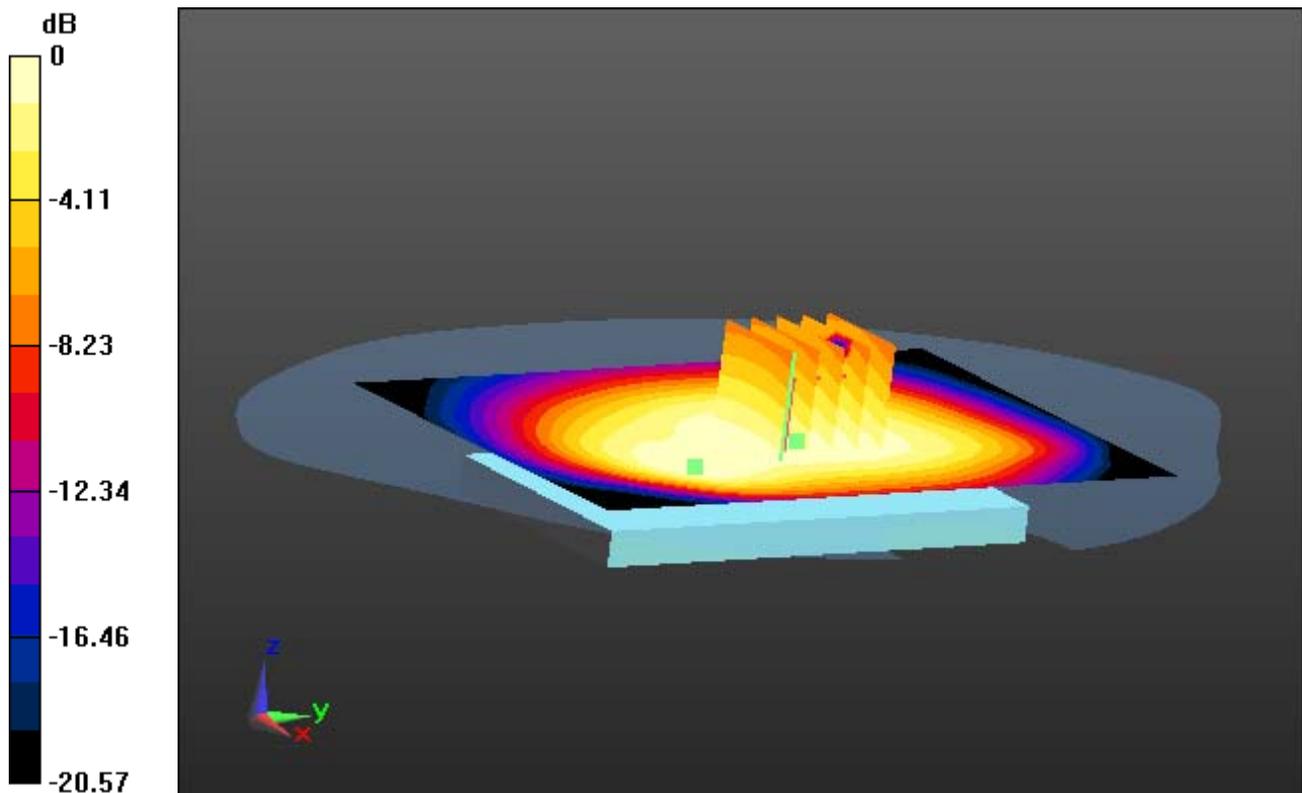
Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.118 mW/g
SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.653 W/kg

0 dB = 1.01 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 824.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; $ε_r$ = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

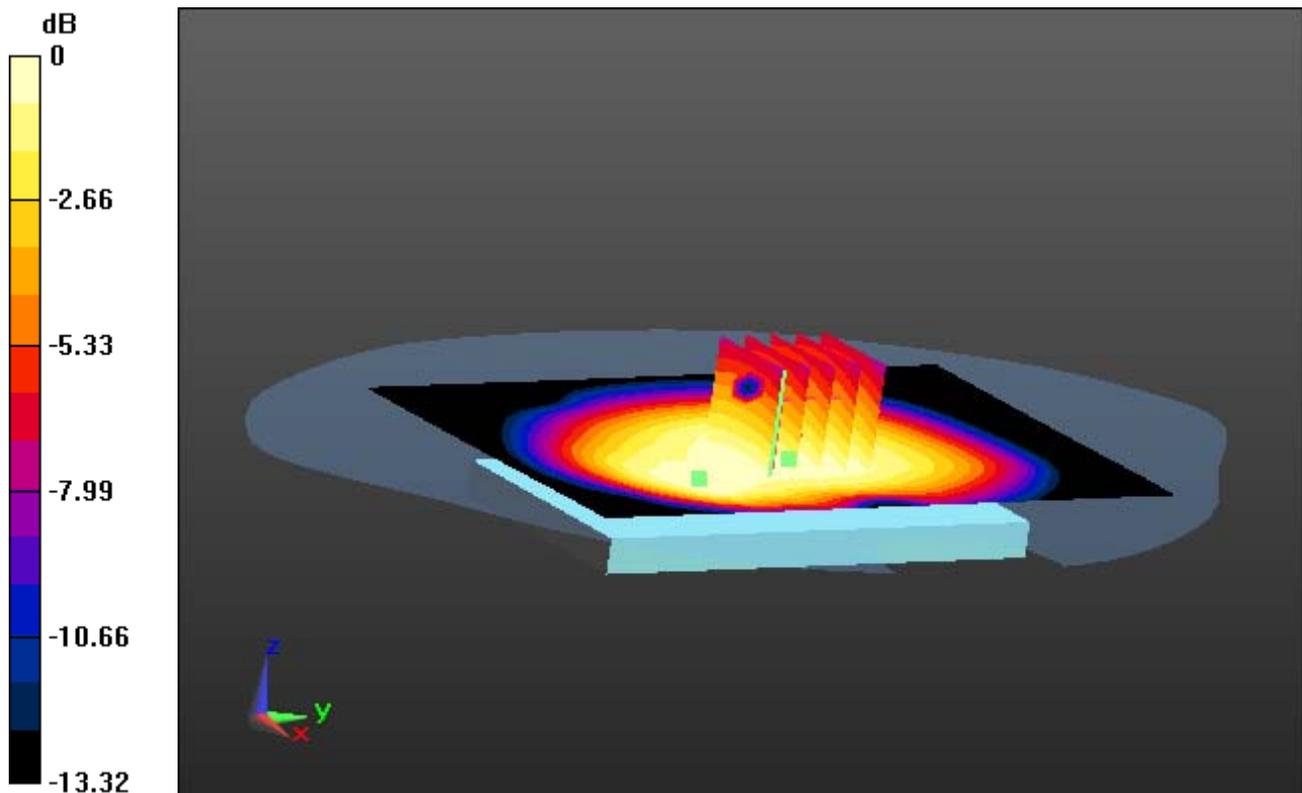### 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.094 mW/g
SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.642 W/kg

0 dB = 0.979 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 824.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; $ε_r$ = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

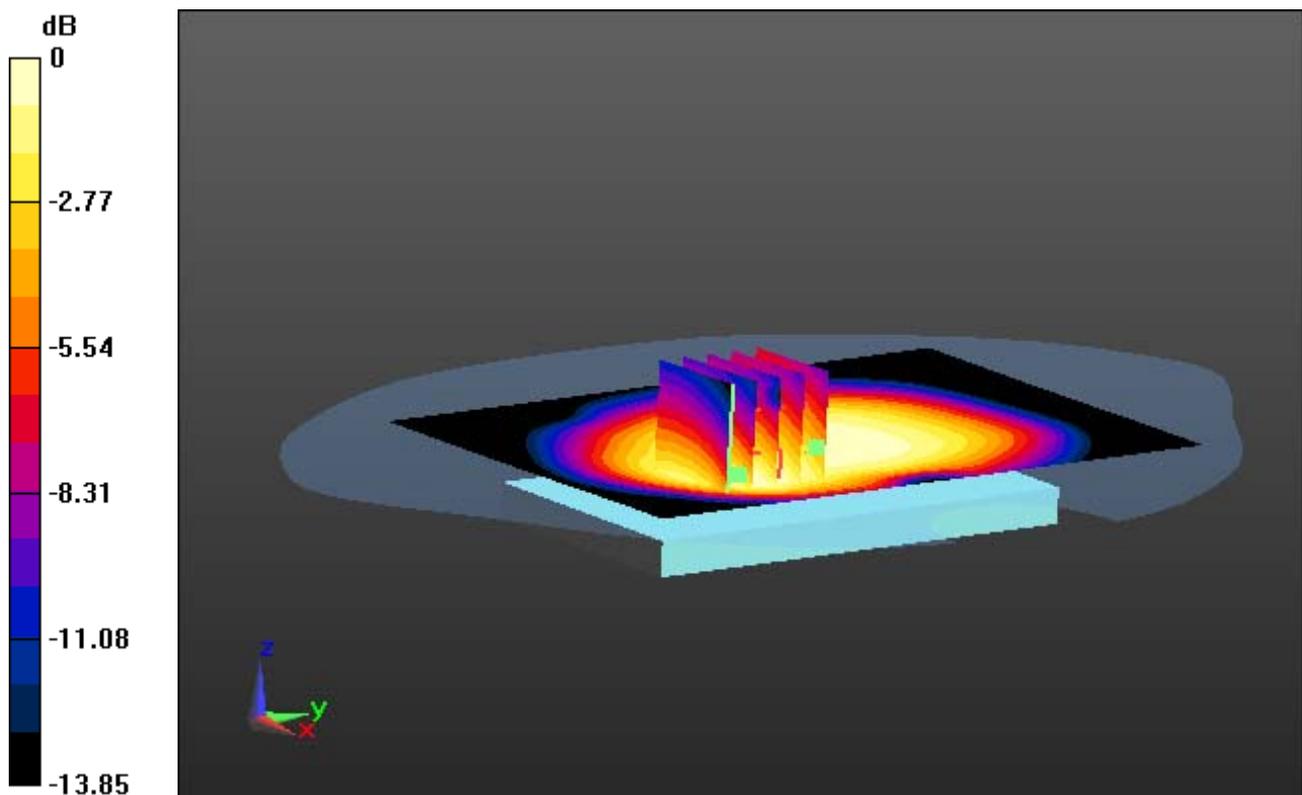### 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.165 mW/g
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.542 W/kg

0 dB = 0.949 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

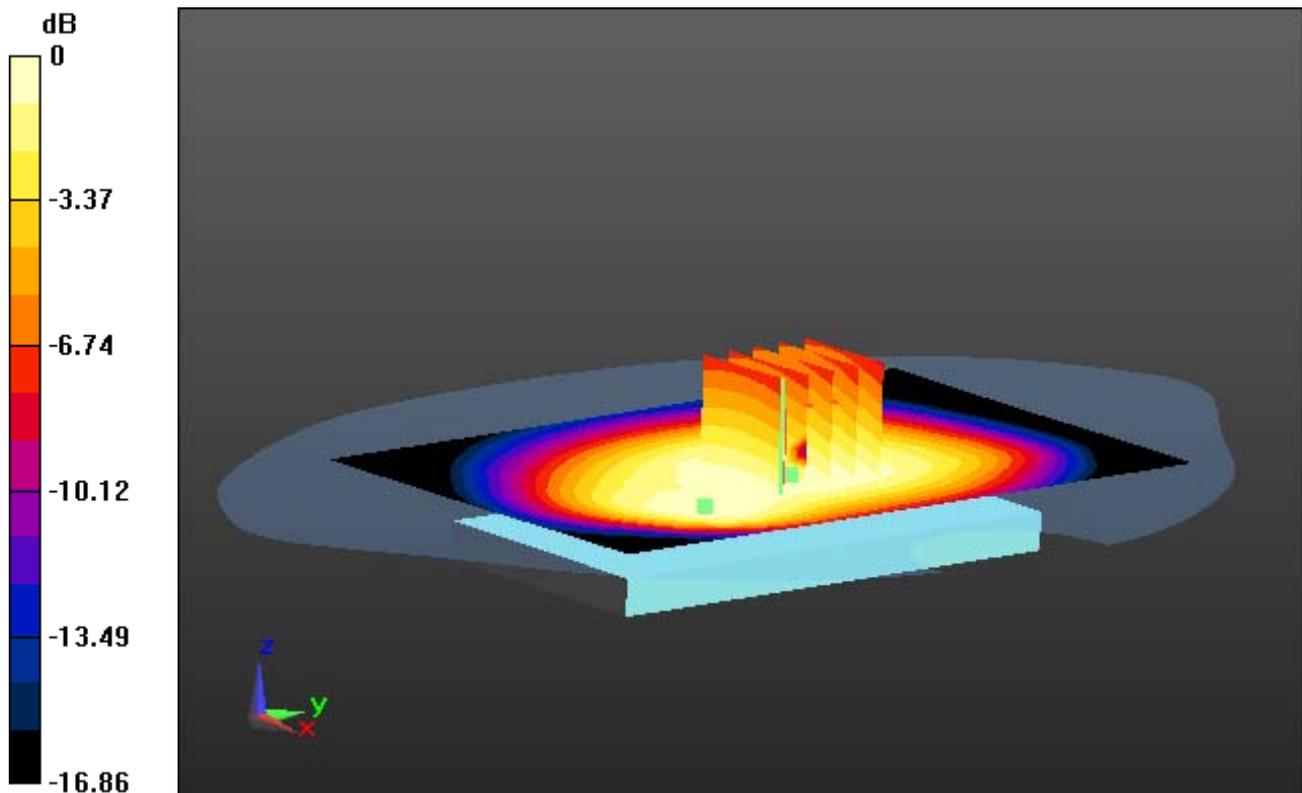## 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.167 mW/g
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.683 W/kg

0 dB = 1.06 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

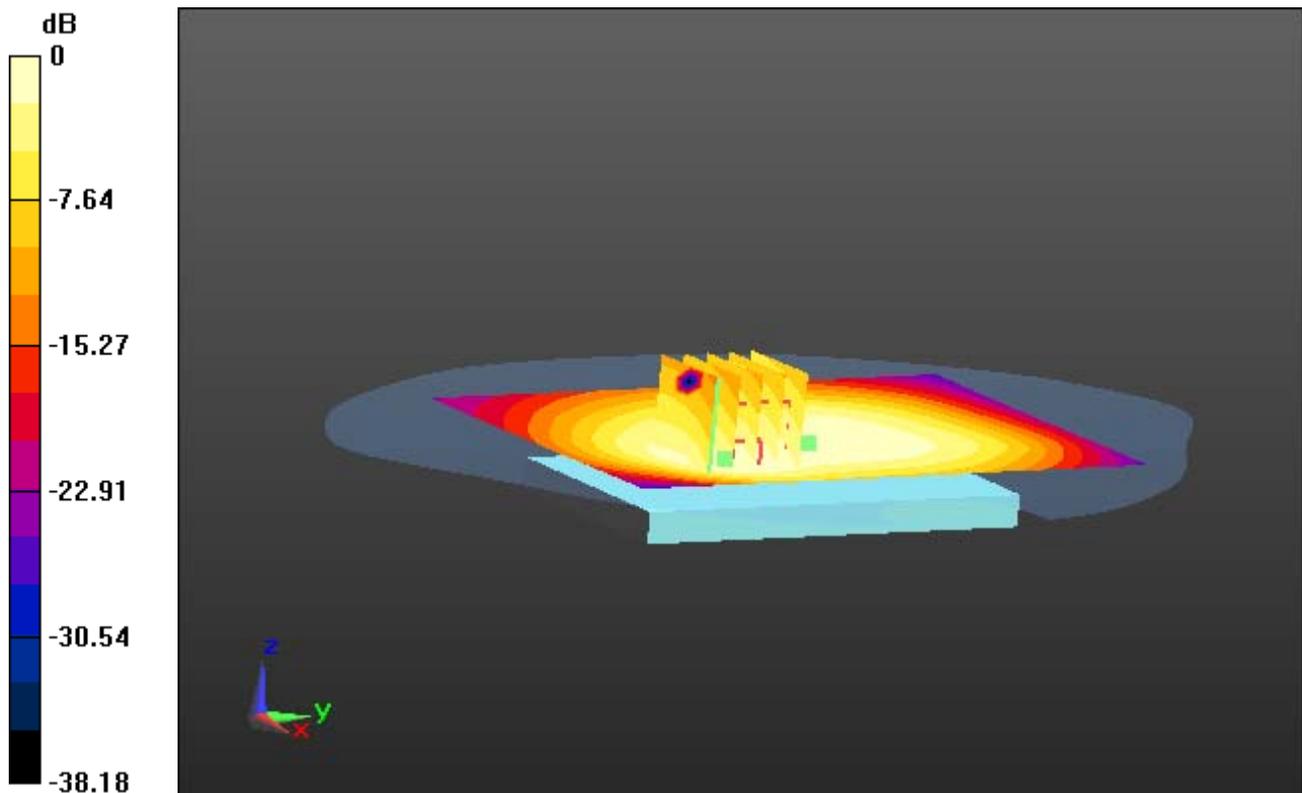### 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.291 mW/g
SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.578 W/kg

0 dB = 1.07 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; $ε_r$ = 53.035; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

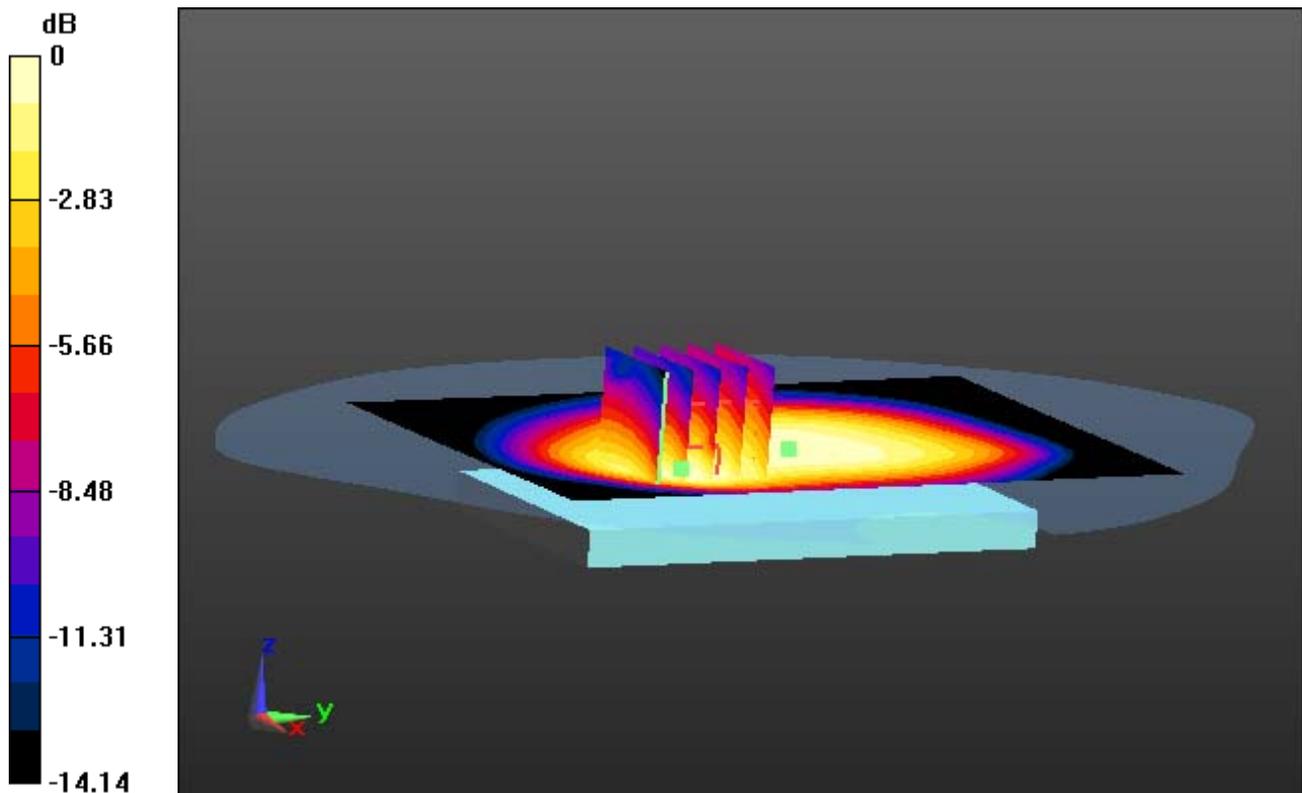## 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.277 mW/g
SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.551 W/kg

0 dB = 1.04 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_11; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; $ε_r$ = 53.035; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

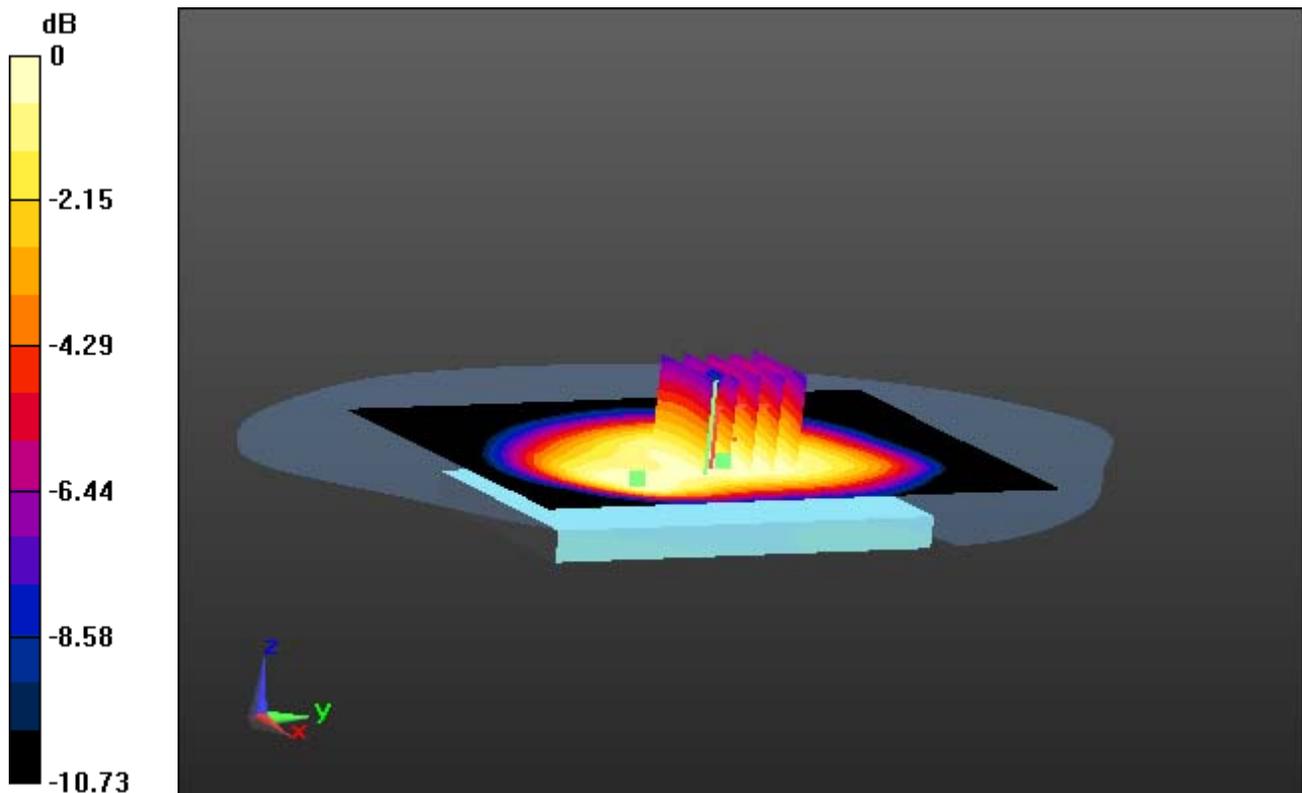## 1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.121 mW/g
SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.657 W/kg

0 dB = 1.00 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; ε_r = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

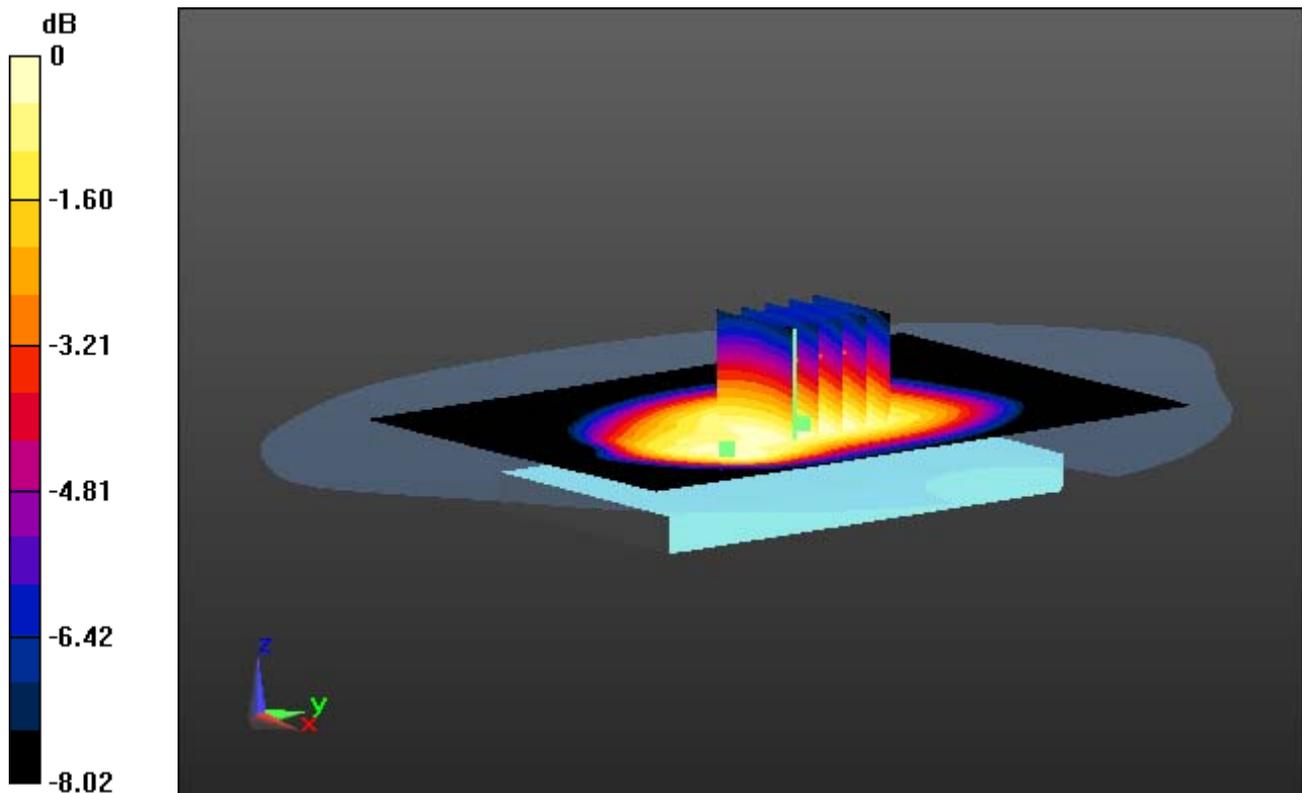**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 0.956 mW/g
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.564 W/kg

0 dB = 0.854 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.948 mho/m; $ε_r$ = 53.953; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

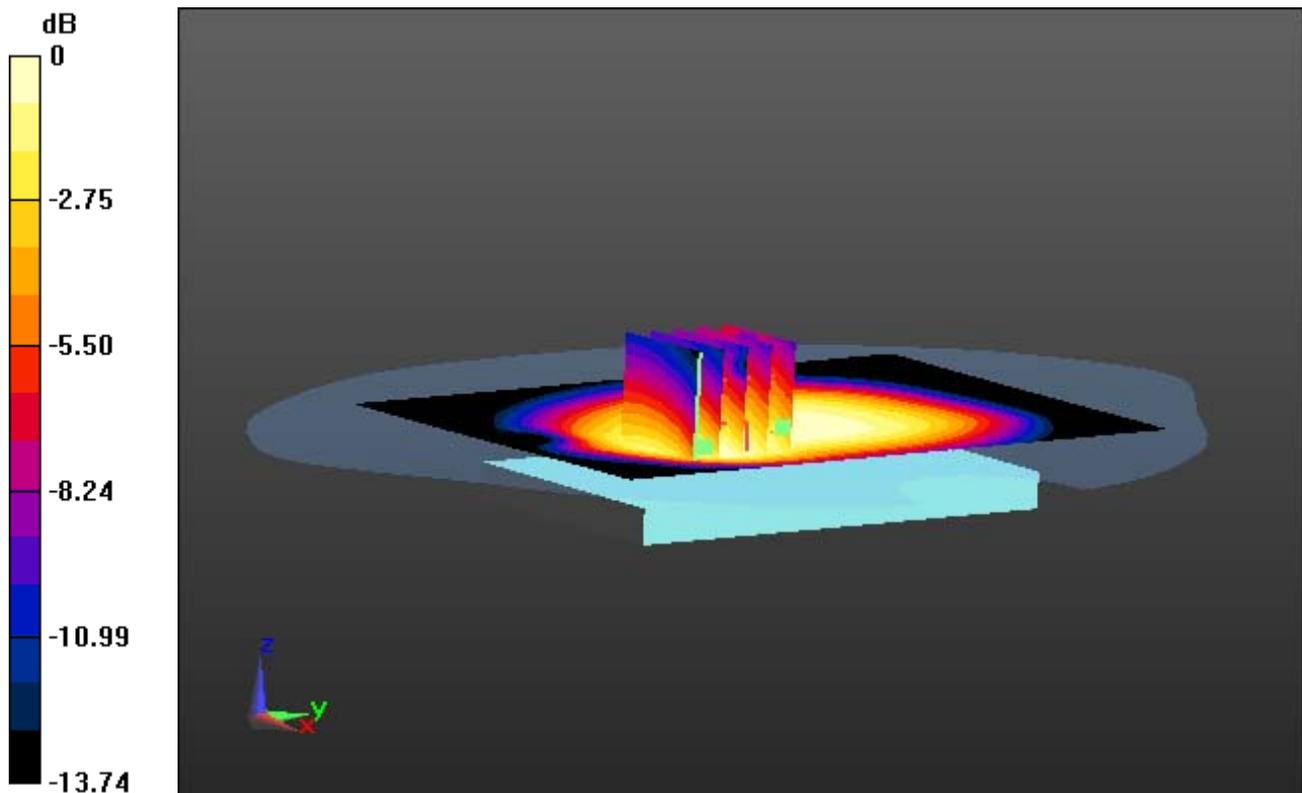## 1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.032 mW/g
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.477 W/kg

0 dB = 0.842 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

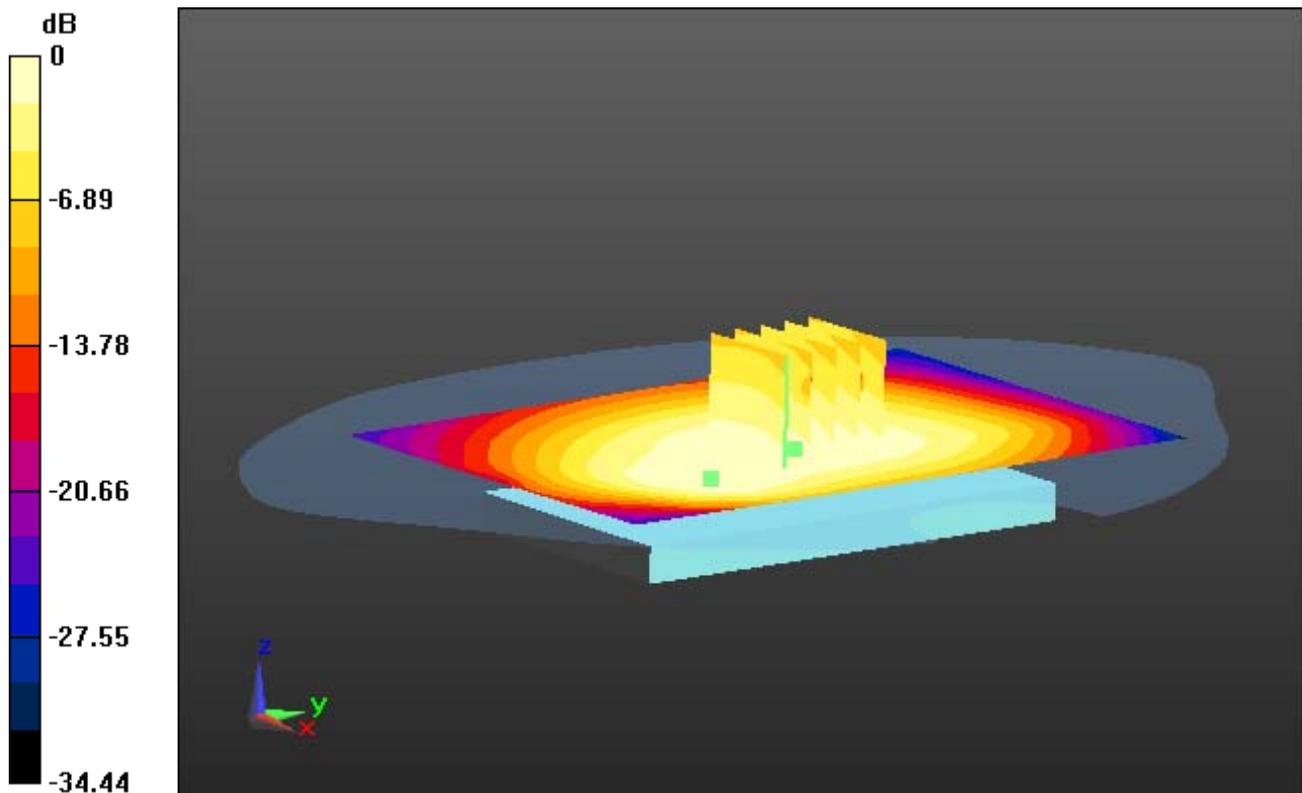## 1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.107 mW/g
SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.651 W/kg

0 dB = 0.999 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; $ε_r$ = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

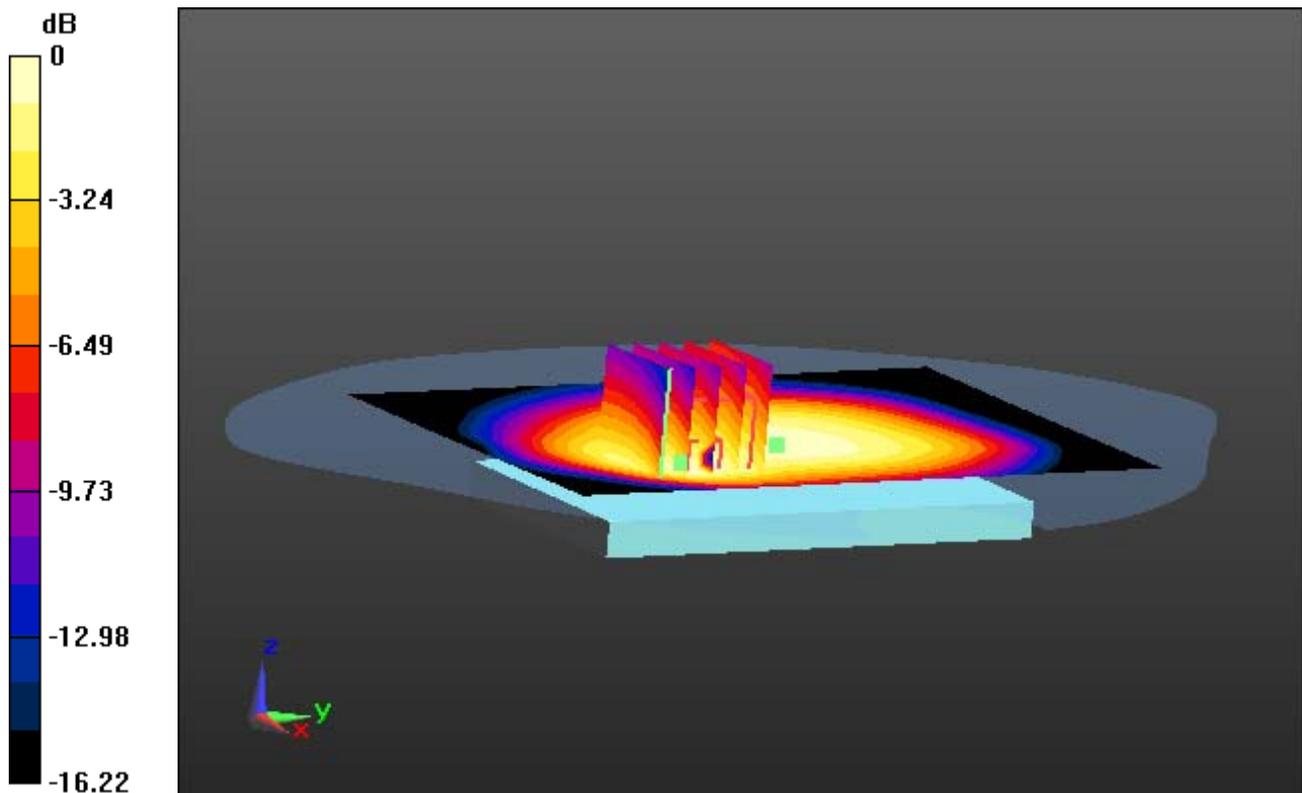**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.307 mW/g
SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.538 W/kg

0 dB = 1.01 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 848.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; ε_r = 53.035; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

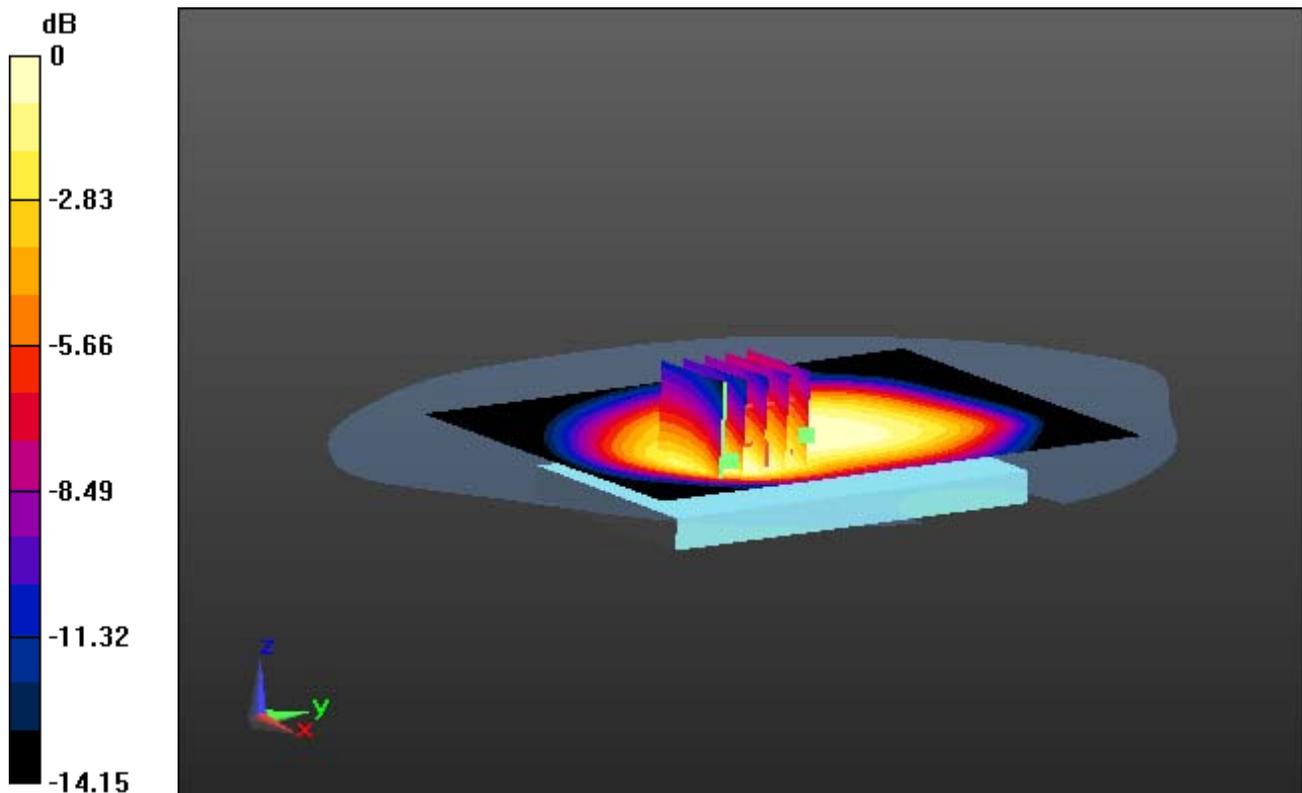**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 1.187 mW/g
SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.511 W/kg

0 dB = 0.975 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_10; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.95 mho/m; ε_r = 53.656; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

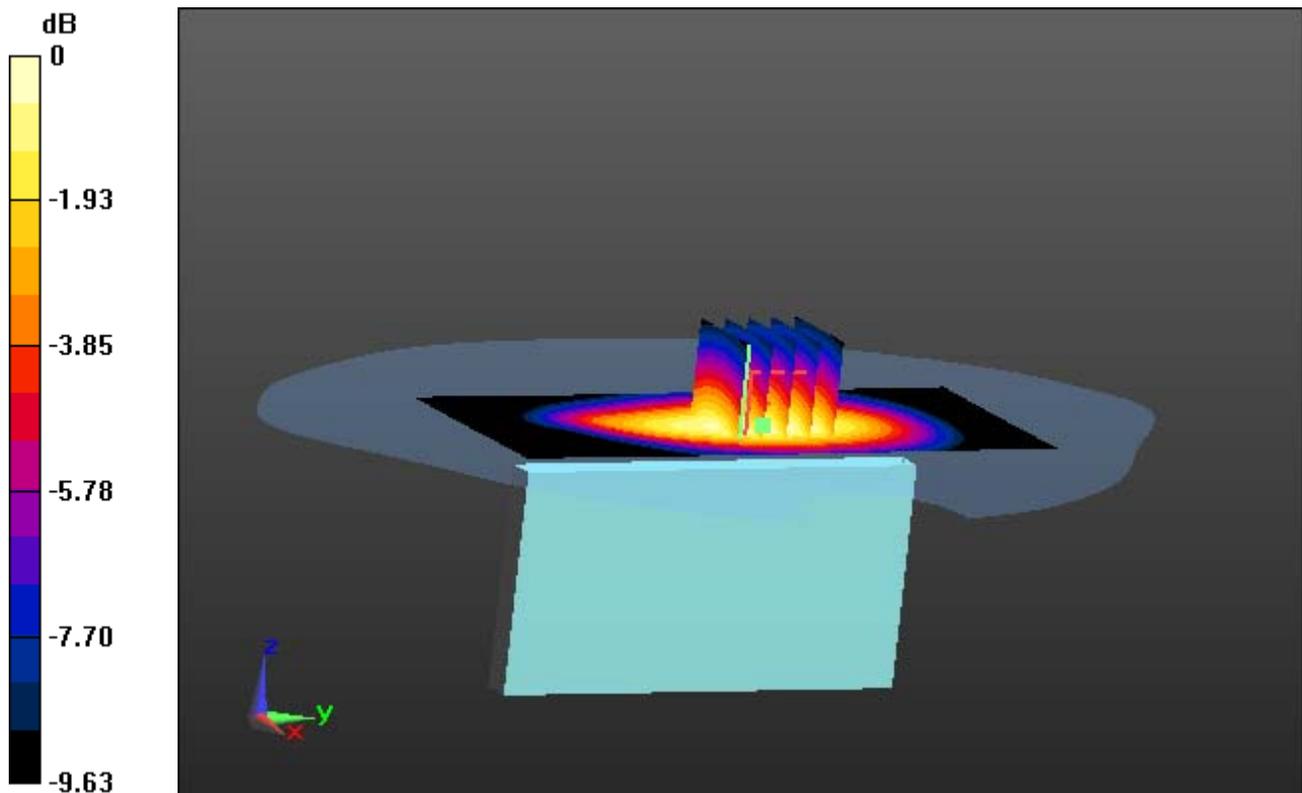## 1 cm space from Body, Left, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

Area Scan (51x121x1): Measurement 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) = 1.101 mW/g
SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.536 W/kg

0 dB = 0.955 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: GSM 850_12; Frequency: 848.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 848.8 MHz; σ = 0.952 mho/m; ε_r = 53.035; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-05; Ambient Temp: 22.4 Tissue Temp:22.6

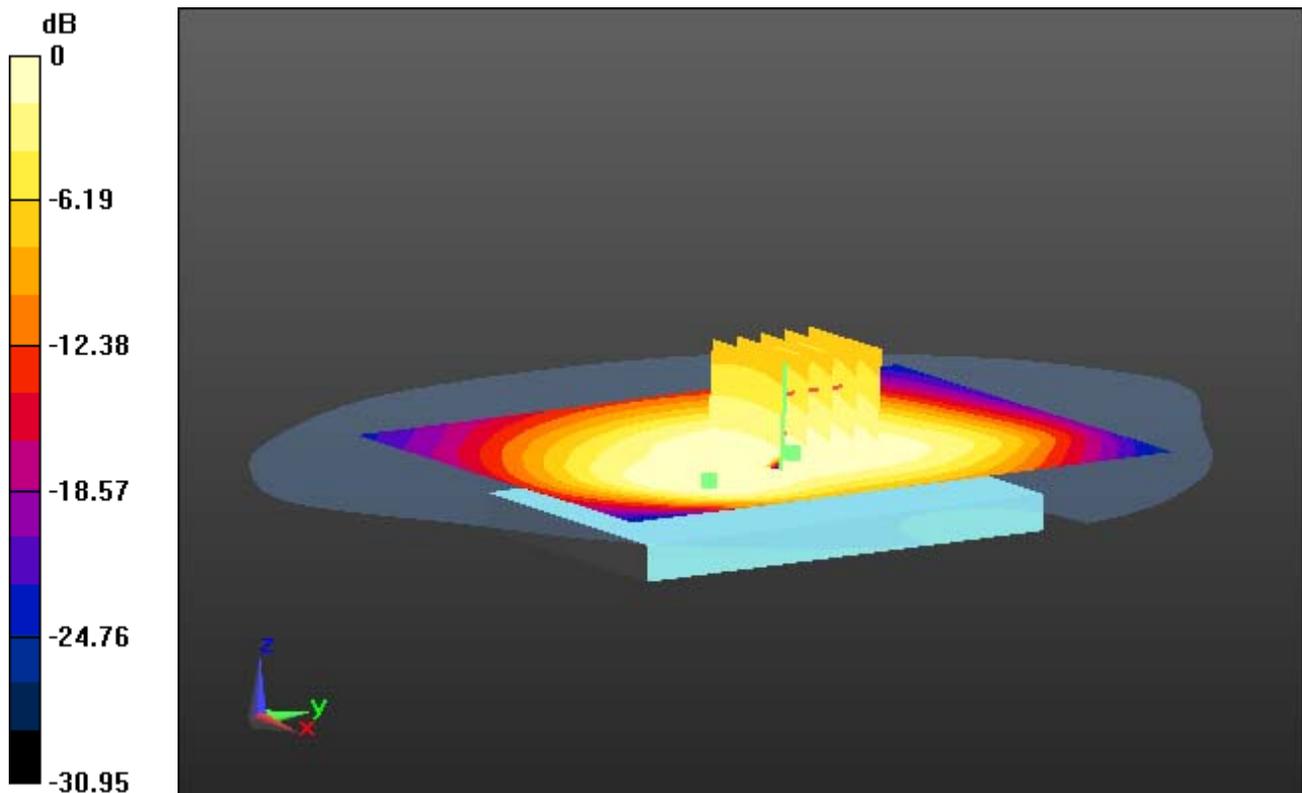## 1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.303 mW/g
SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.621 W/kg

0 dB = 0.949 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; $ε_r$ = 54.945; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

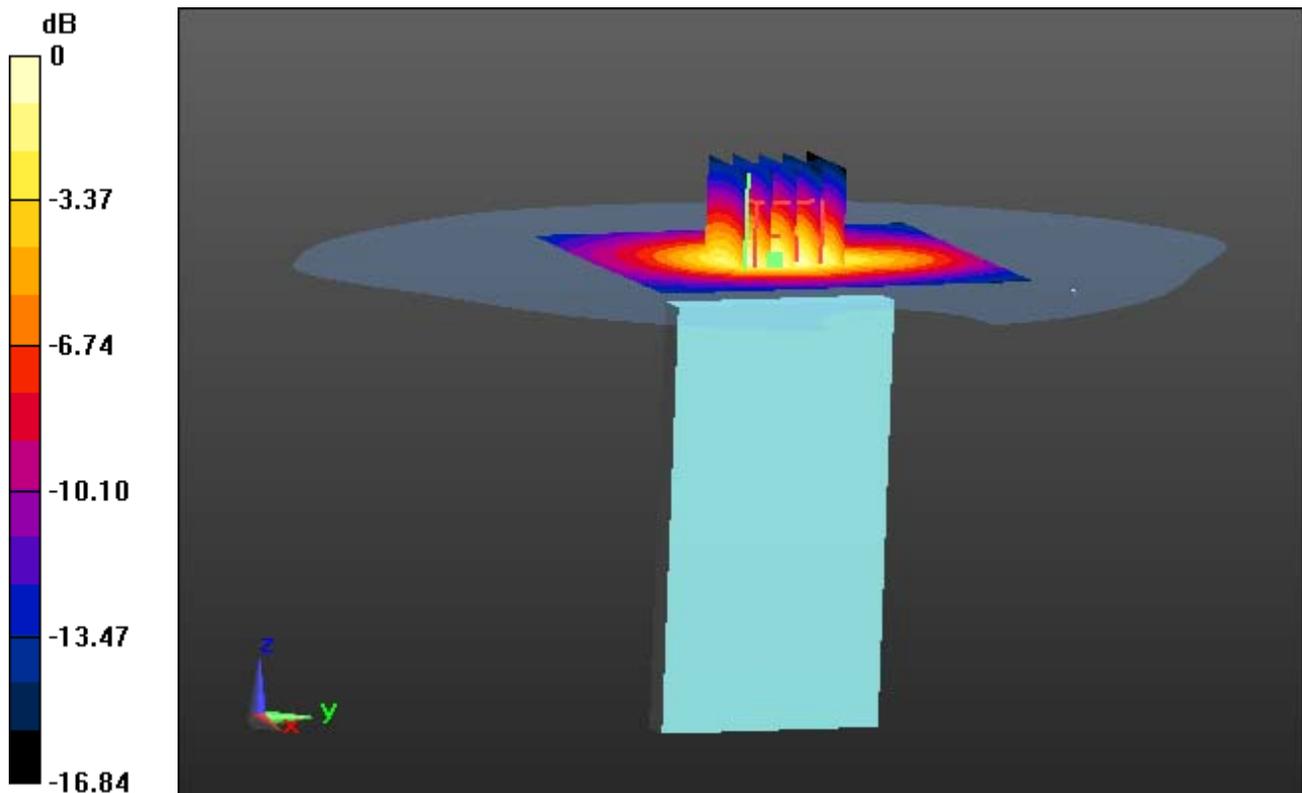### 1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

Area Scan (71x81x1): Measurement 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) = 0.967 mW/g
SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.335 W/kg

0 dB = 0.797 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1850.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1850.2 MHz; σ = 1.483 mho/m; ε_r = 55.061; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

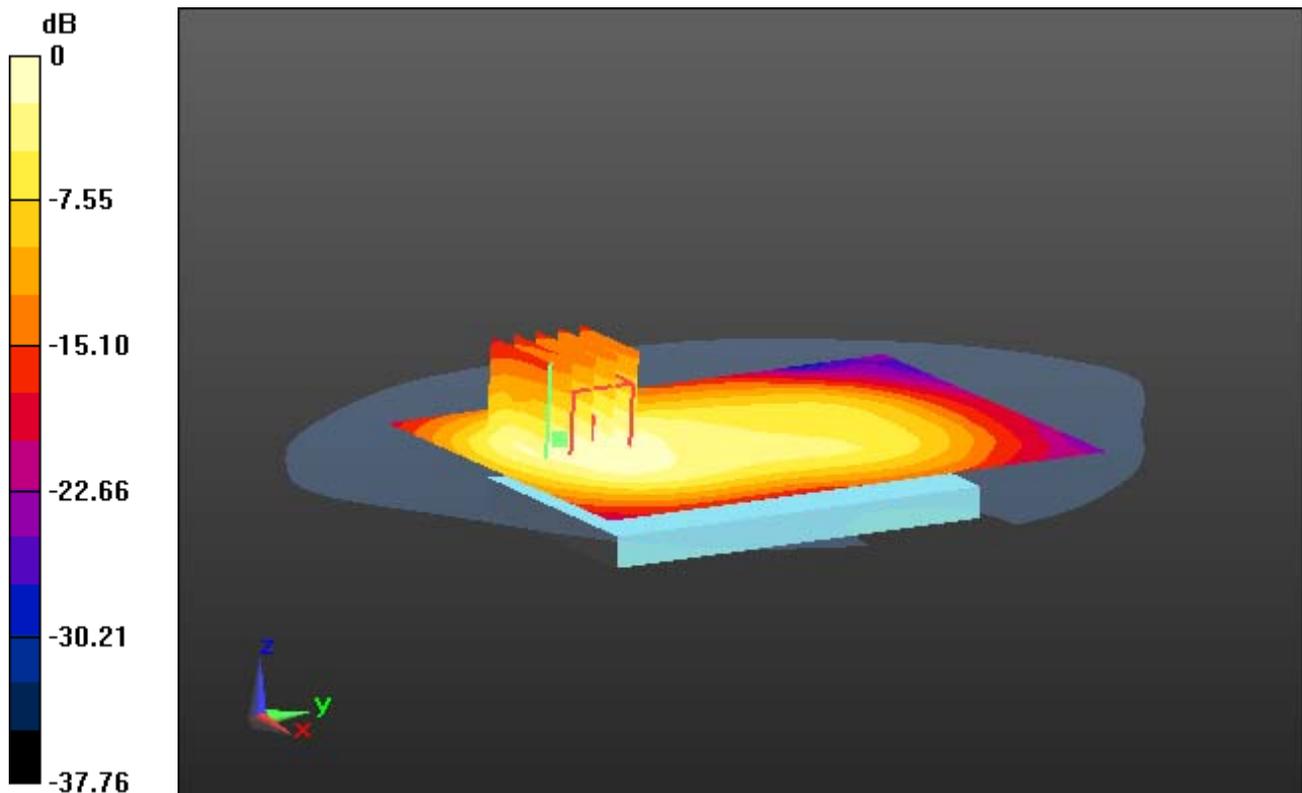## 1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.454 mW/g
SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.479 W/kg

0 dB = 1.15 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

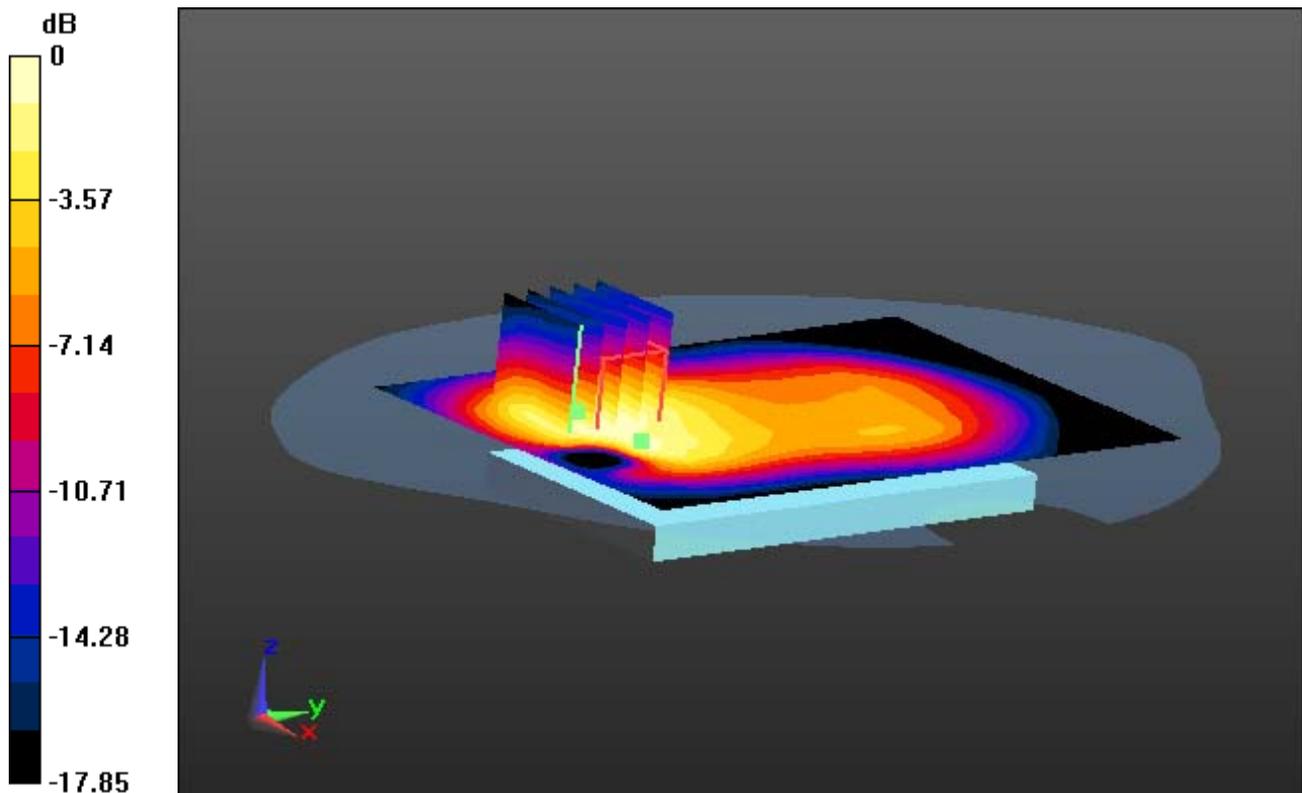## 1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.611 mW/g
SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.518 W/kg

0 dB = 1.26 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

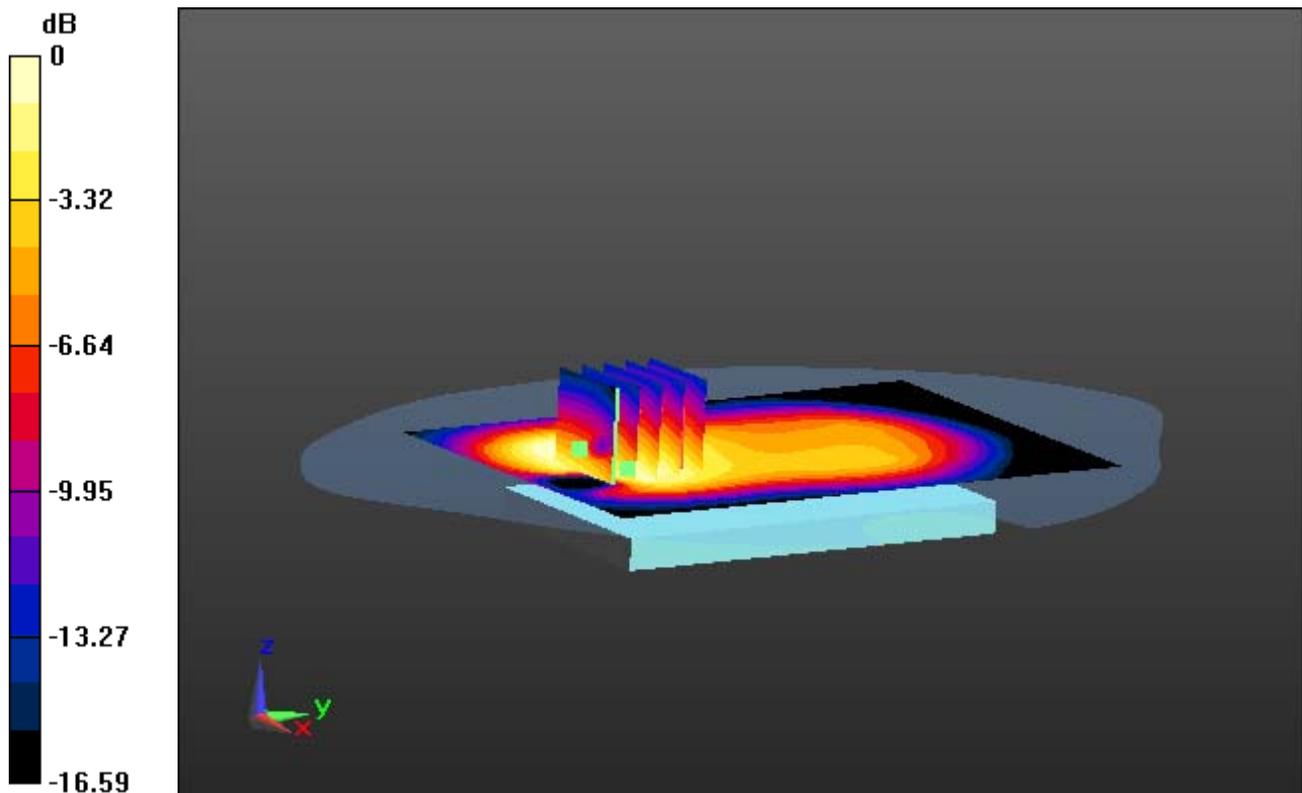## 1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.217 mW/g
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.471 W/kg

0 dB = 0.998 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1909.8 MHz; σ = 1.556 mho/m; ε_r = 54.879; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

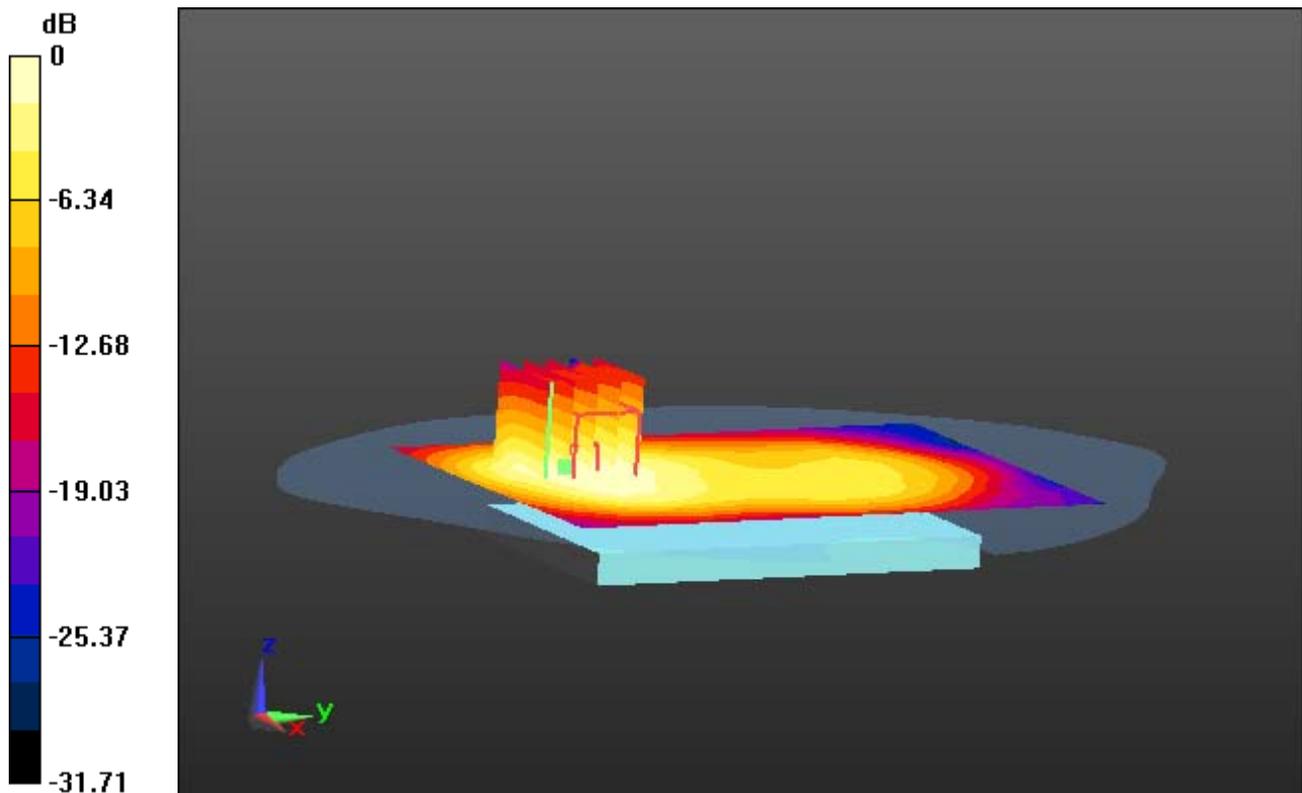## 1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.536 mW/g
SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.505 W/kg

0 dB = 1.21 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

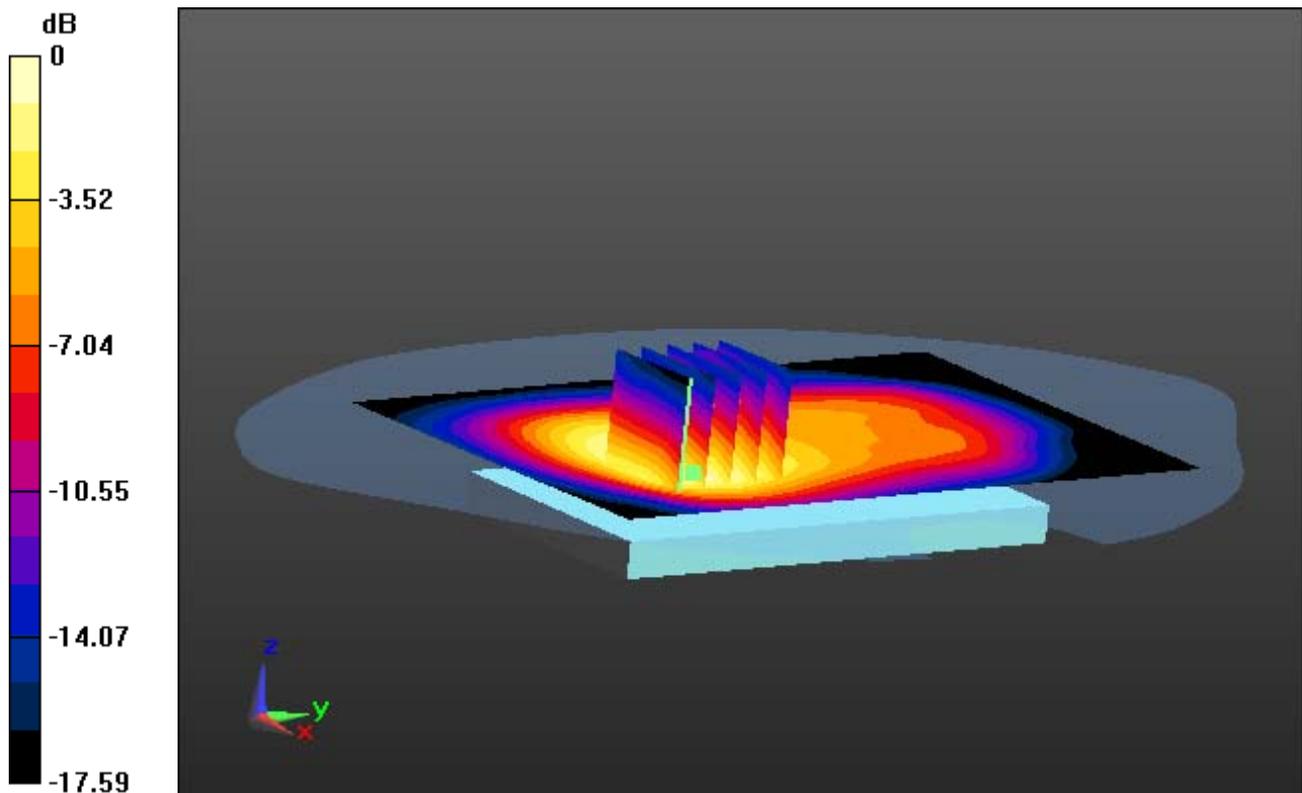Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.763 mW/g
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.270 W/kg

0 dB = 0.608 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

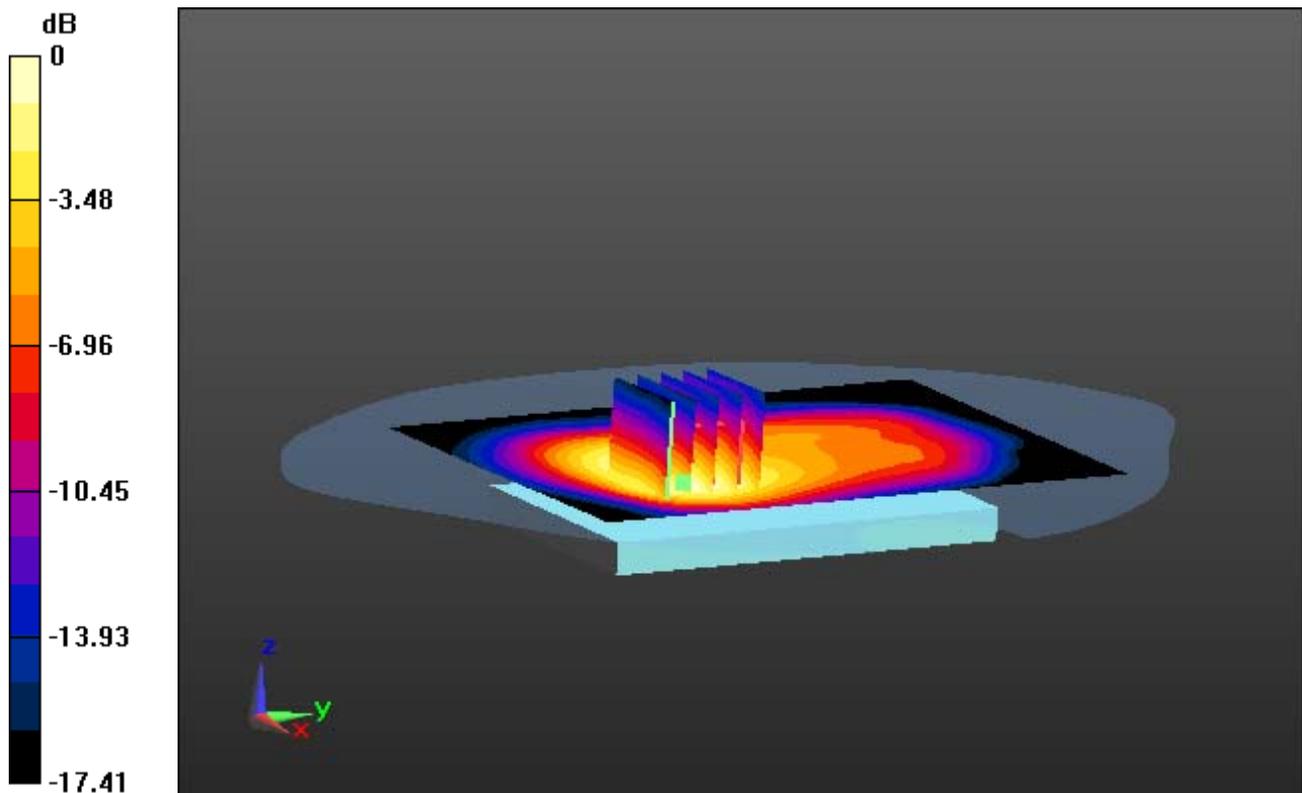Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

1 cm space from Body, Rear, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.874 mW/g
SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.308 W/kg

0 dB = 0.700 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

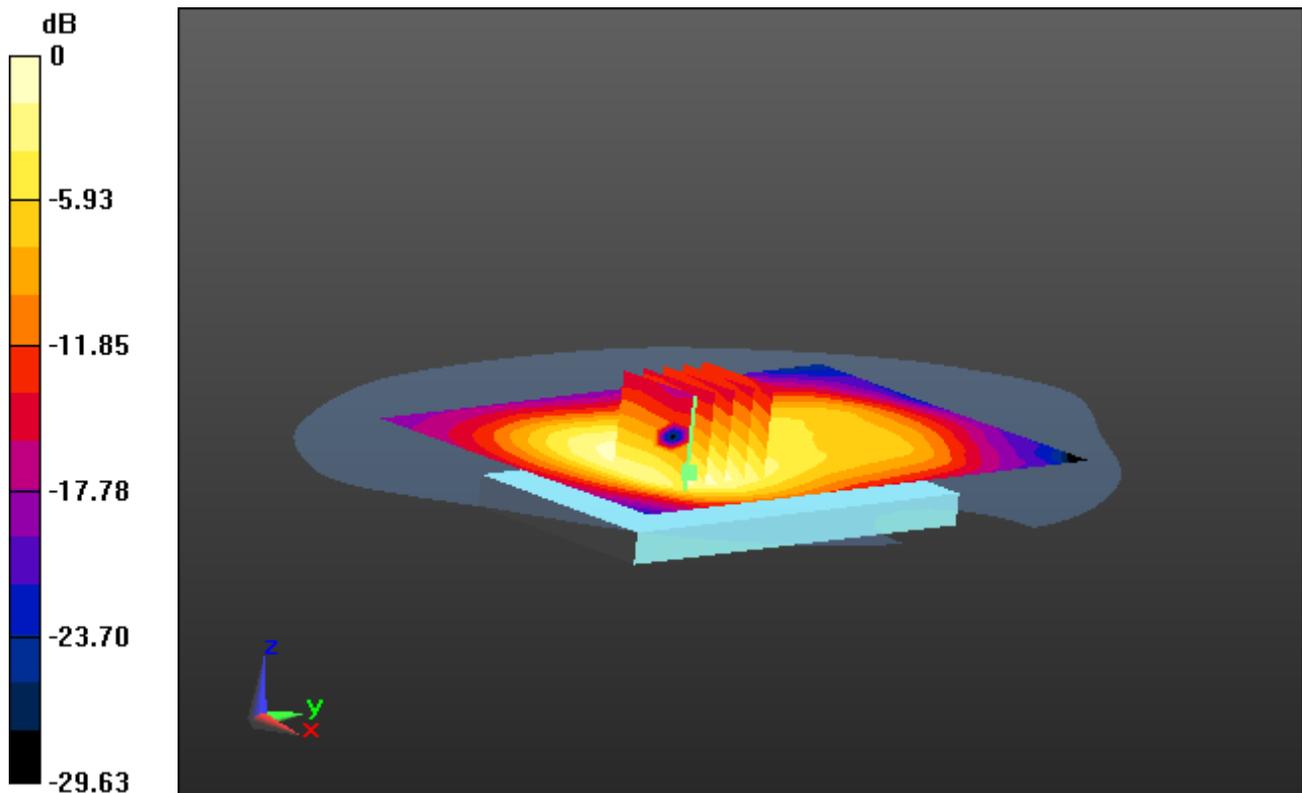**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 1.082 mW/g
SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.382 W/kg

0 dB = 0.863 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1850.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1850.2 MHz; σ = 1.483 mho/m; ε_r = 55.061; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

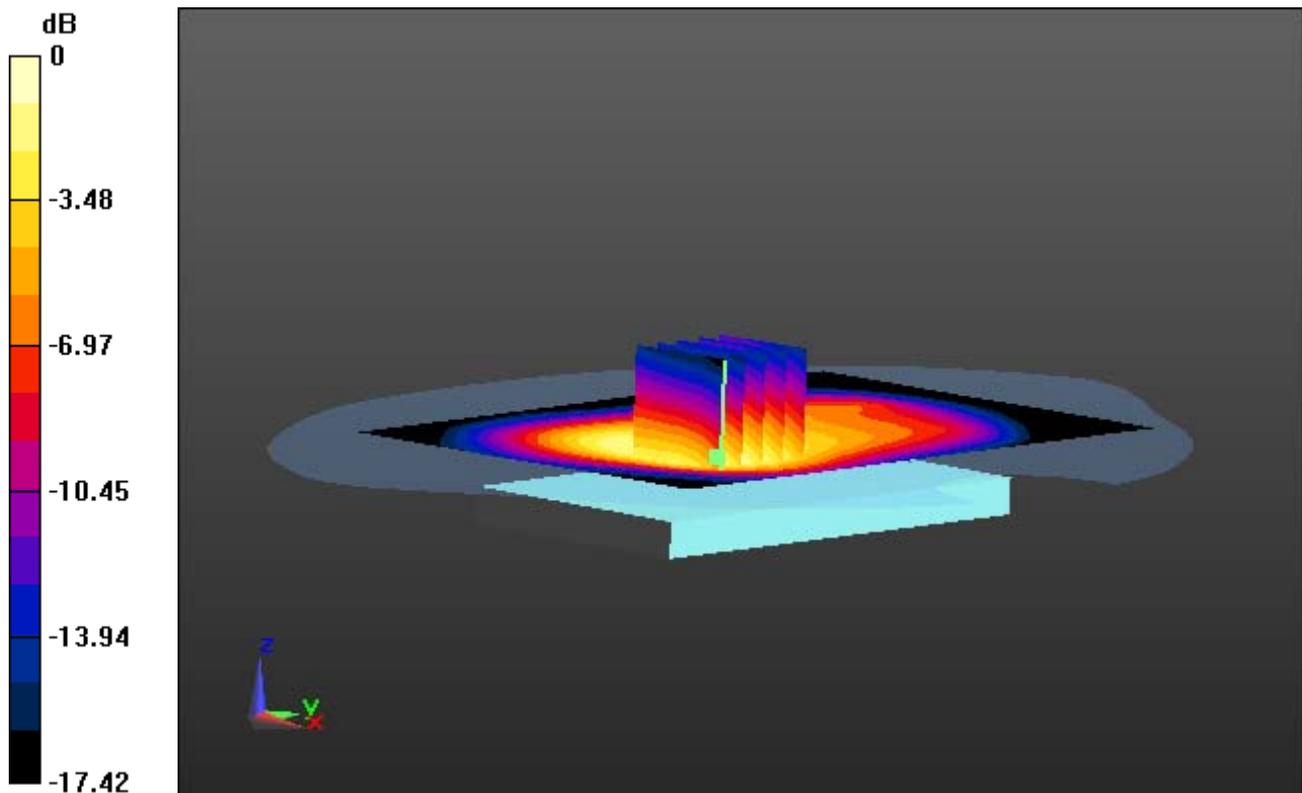## 1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.708 mW/g
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.617 W/kg

0 dB = 1.37 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

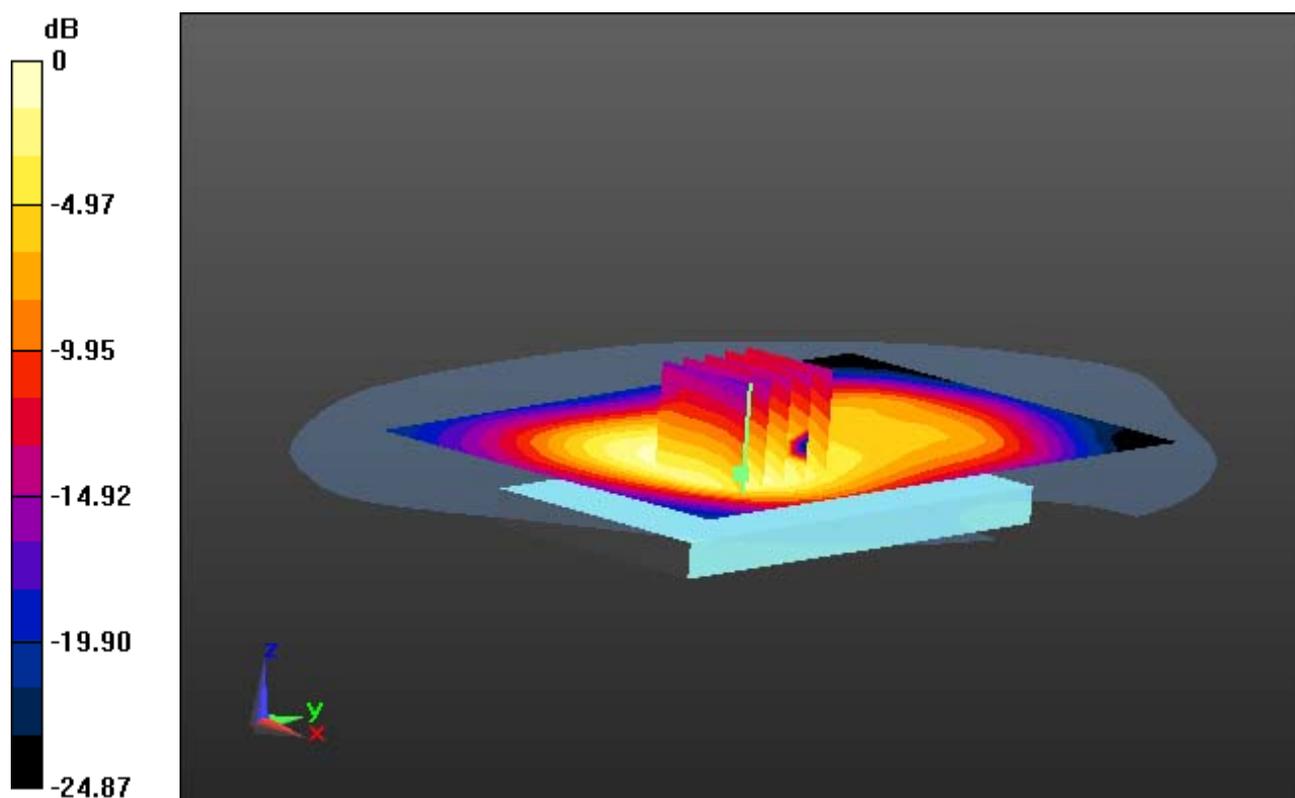**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

Area Scan (81x121x1): Measurement 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) = 1.855 mW/g
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.673 W/kg

0 dB = 1.50 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1909.8 MHz; σ = 1.556 mho/m; ε_r = 54.879; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

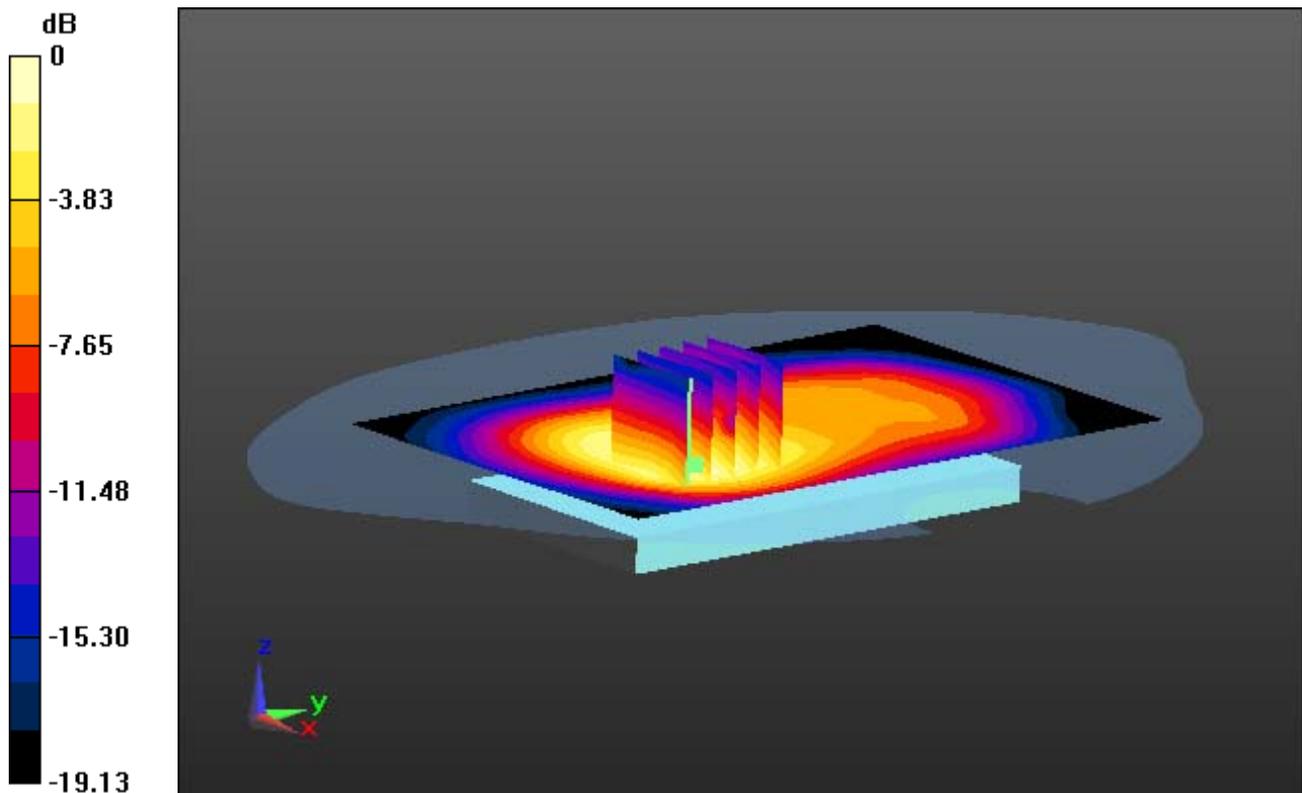## 1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.685 mW/g
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.595 W/kg

0 dB = 1.34 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1850.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1850.2 MHz; σ = 1.483 mho/m; ε_r = 55.061; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

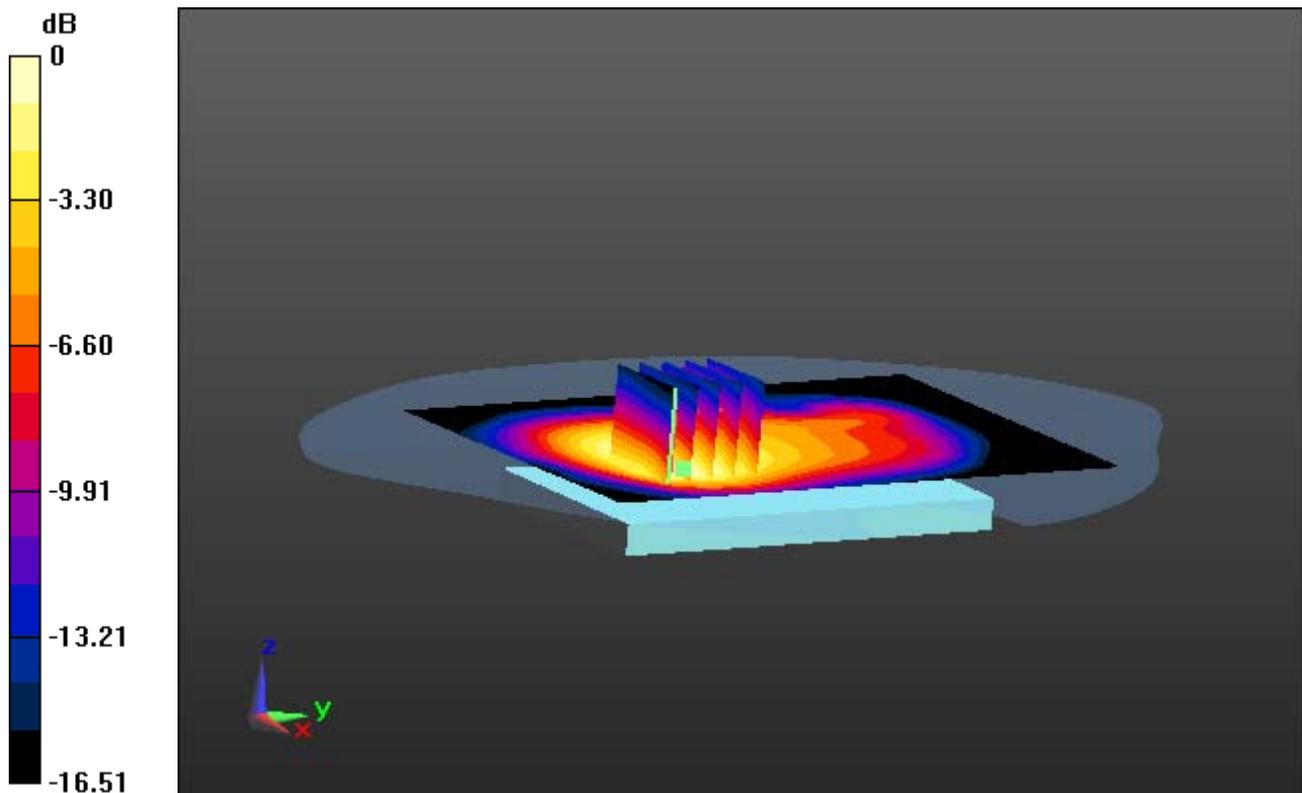## 1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.582 mW/g
SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.571 W/kg

dB
0
-3.30
-6.60
-9.91
-13.21
-16.51

0 dB = 1.27 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

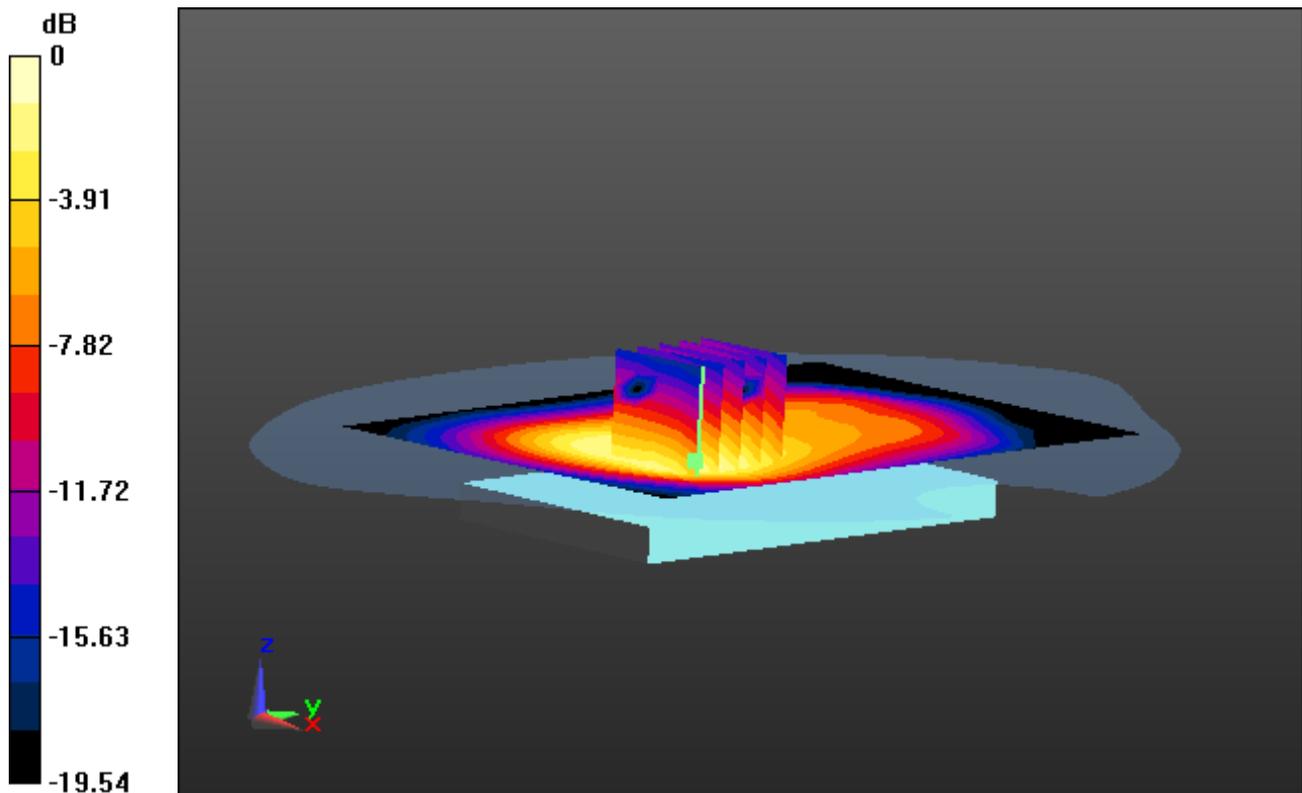## 1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.678 mW/g
SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.598 W/kg

0 dB = 1.35 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1909.8 MHz; σ = 1.556 mho/m; ε_r = 54.879; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

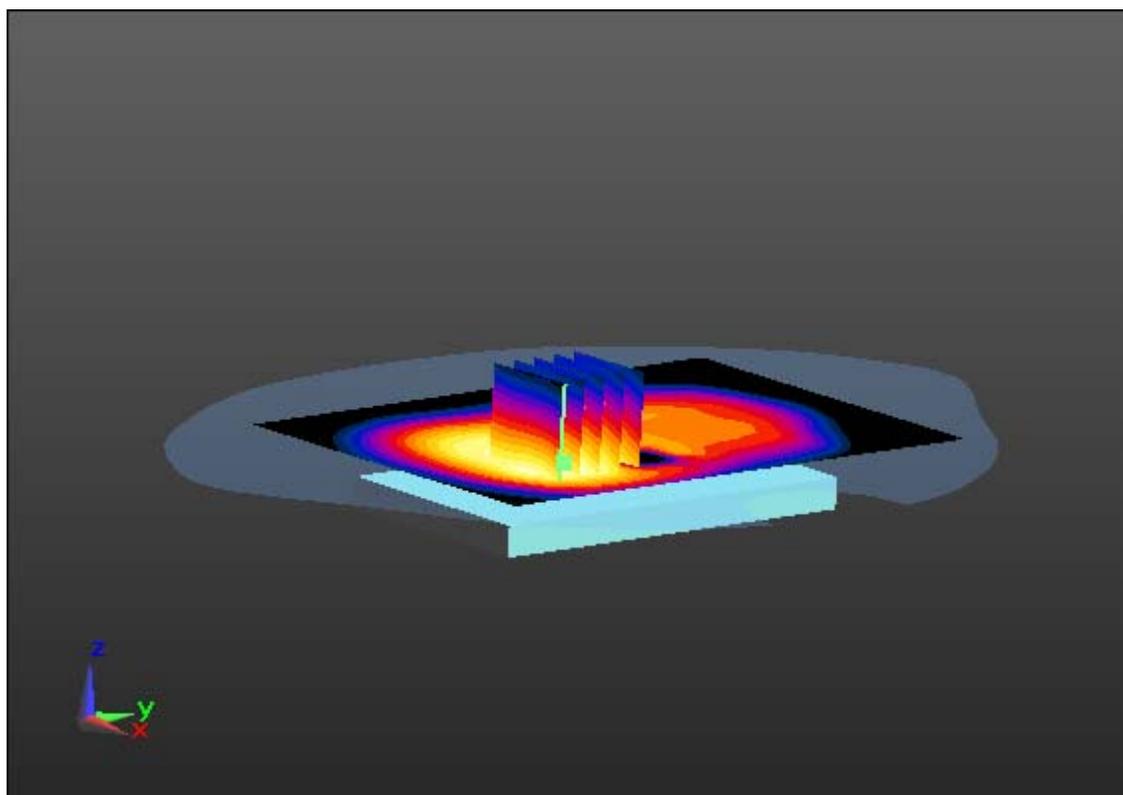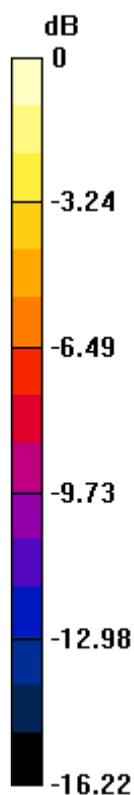## 1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.591 mW/g
SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.564 W/kg

dB

0
-3.24
-6.49
-9.73
-12.98
-16.22

0 dB = 1.25 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: PCS1900_Class 11; Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.519 mho/m; ε_r = 54.945; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-08; Ambient Temp: 22.3 Tissue Temp:22.5

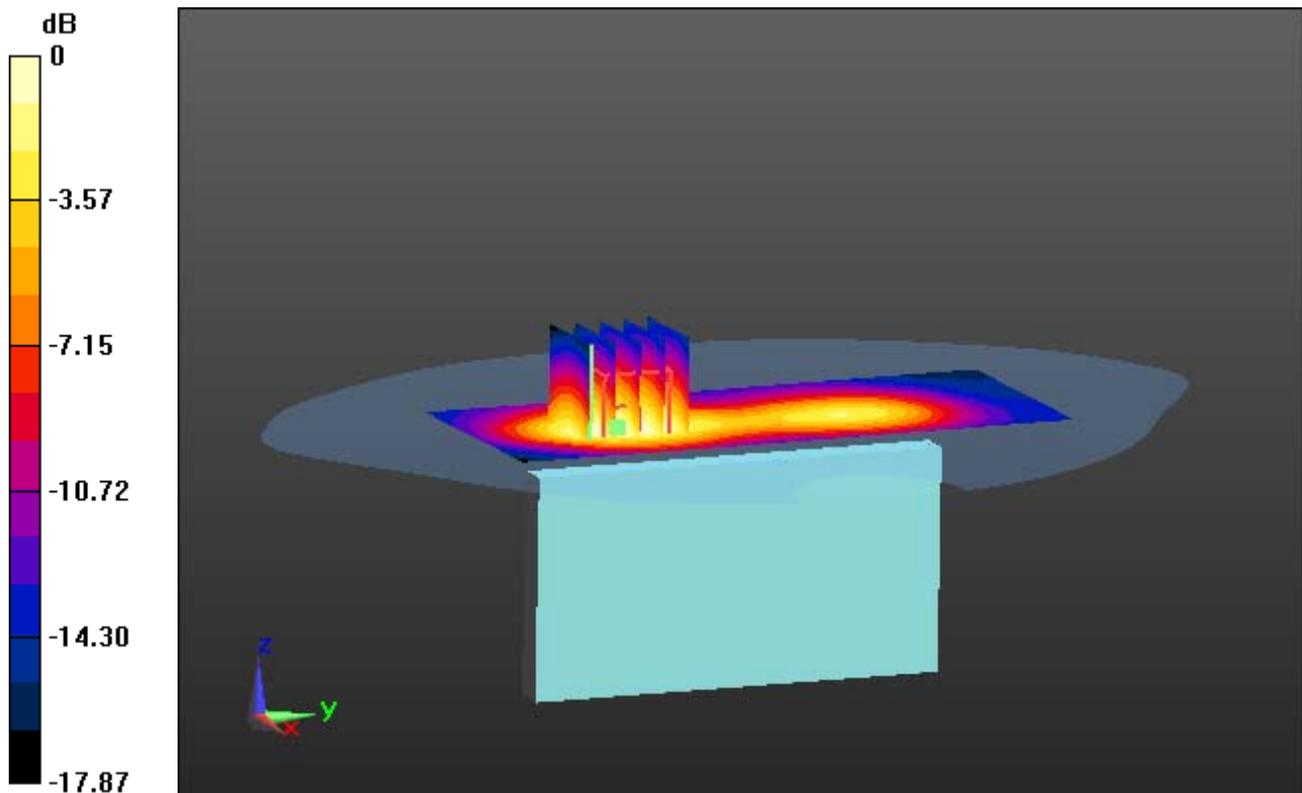### 1 cm space from Body, Left, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal

Area Scan (51x121x1): Measurement 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) = 1.087 mW/g
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.371 W/kg

0 dB = 0.887 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.957 mho/m; ε_r = 53.045; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

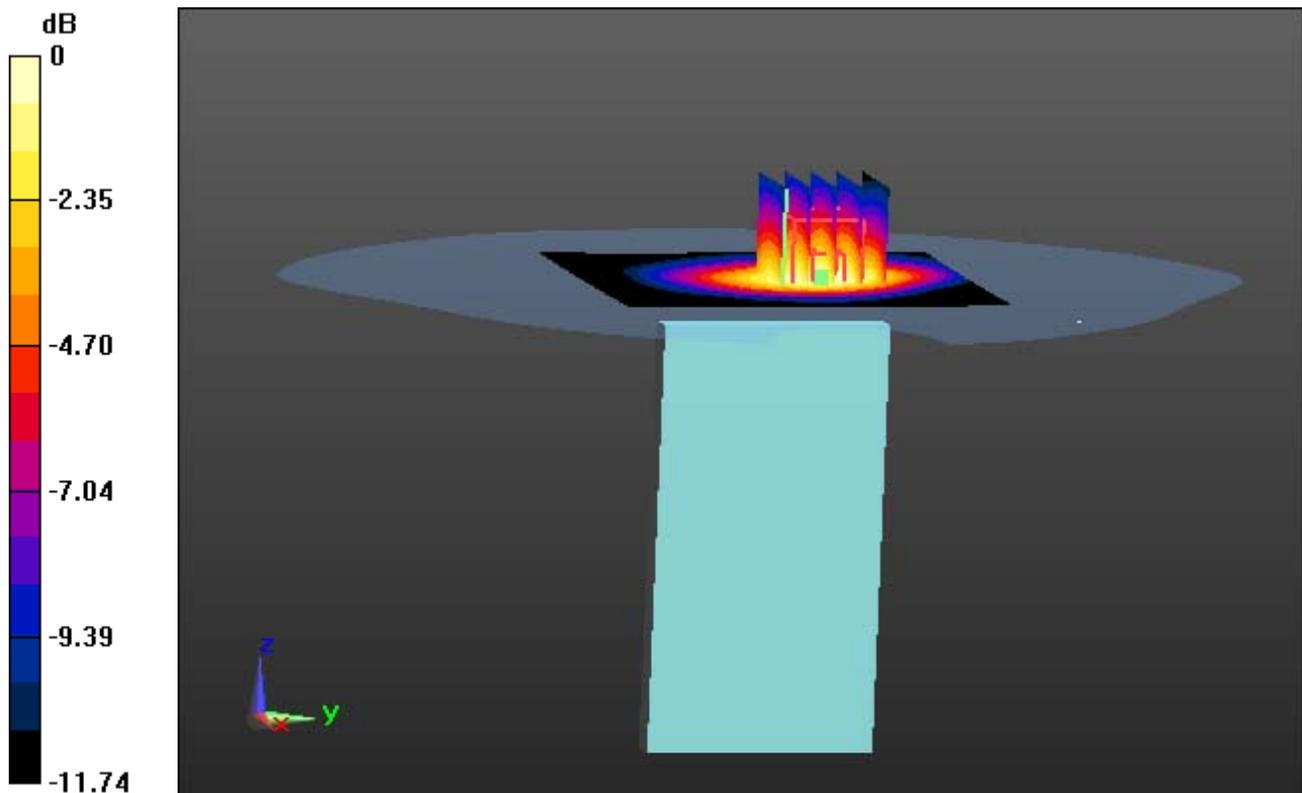### 1 cm space from Body, Bottom, WCDMA850 Ch. 4183, Ant Internal

Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.256 mW/g
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.114 W/kg

0 dB = 0.218 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.957 mho/m; ε_r = 53.045; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

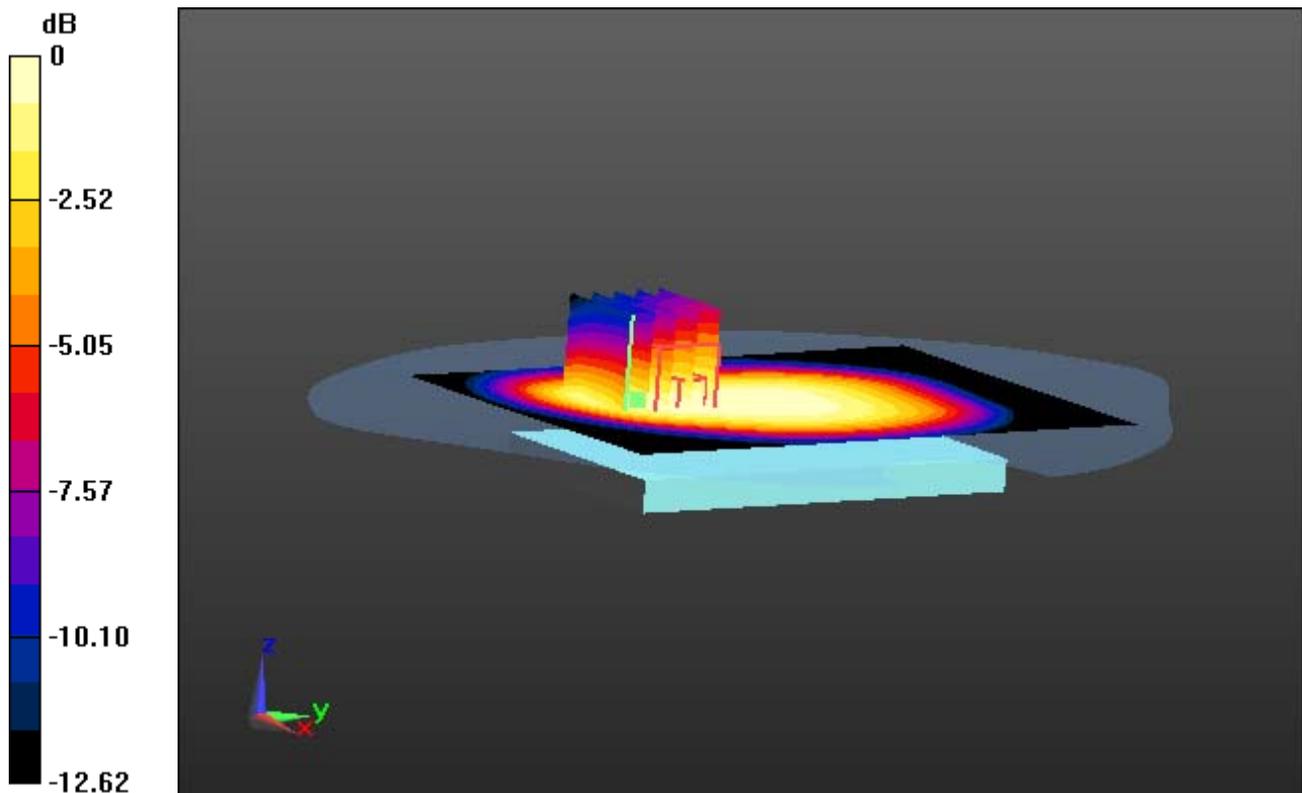## 1 cm space from Body, Front, WCDMA850 Ch. 4183, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.520 mW/g
SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.264 W/kg

0 dB = 0.444 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.957 mho/m; ε_r = 53.045; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

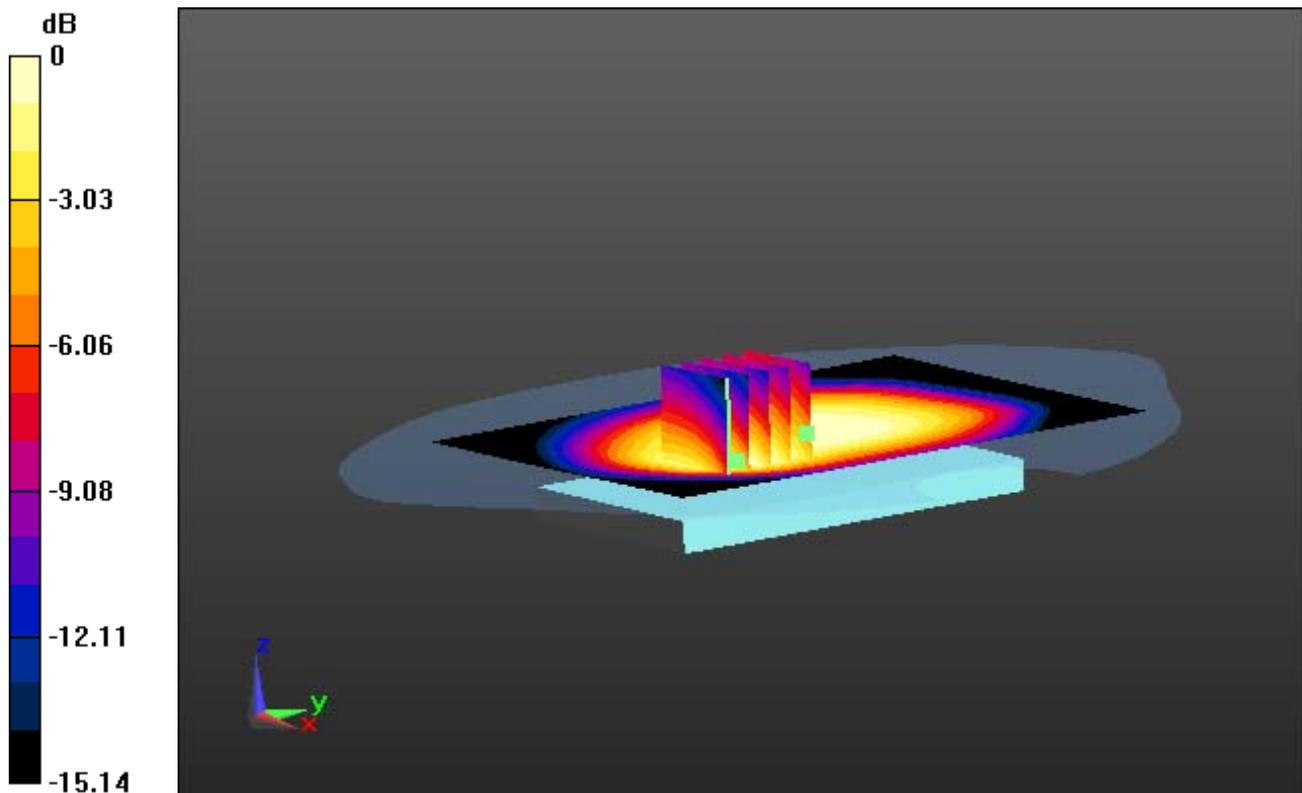## 1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.787 mW/g
SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.339 W/kg

0 dB = 0.607 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.957 mho/m; $ε_r$ = 53.045; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

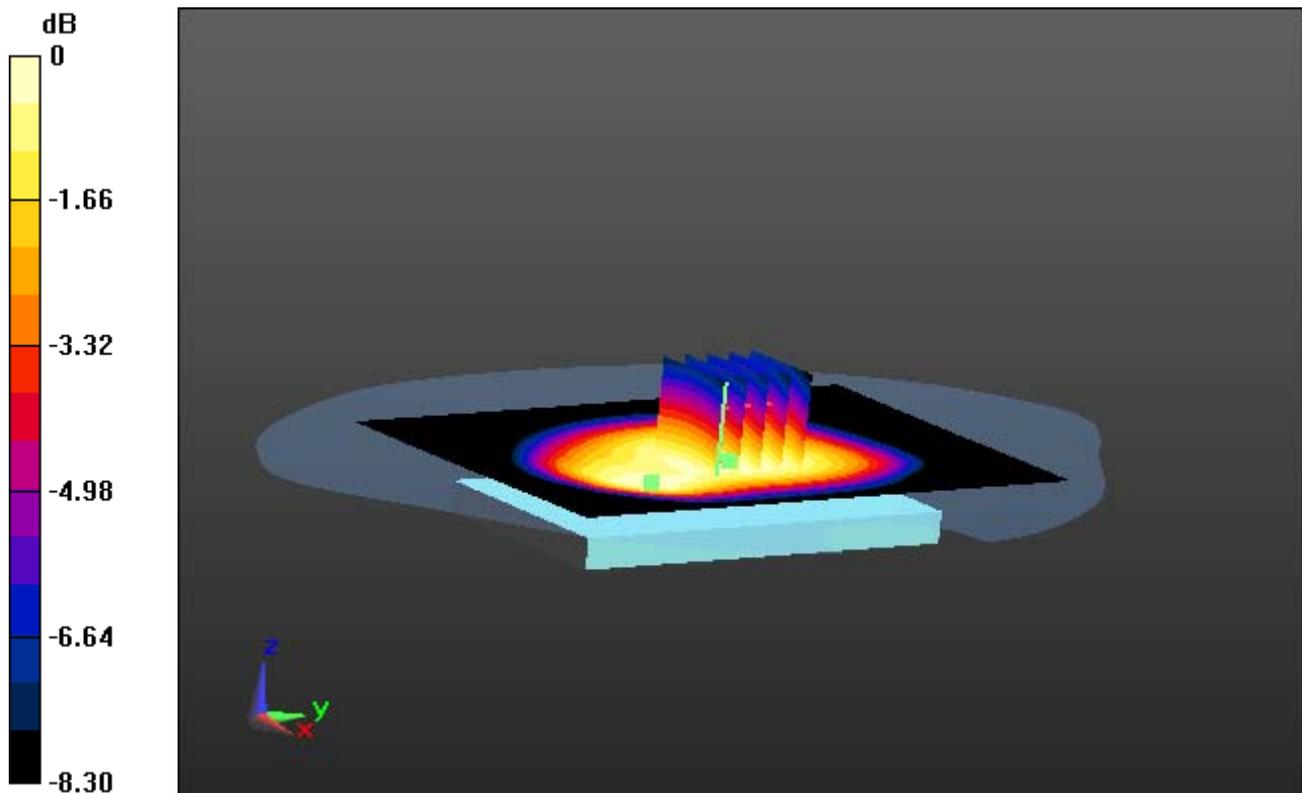## 1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.701 mW/g
SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.409 W/kg

0 dB = 0.630 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.957 mho/m; ε_r = 53.045; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-09; Ambient Temp: 22.1 Tissue Temp:22.2

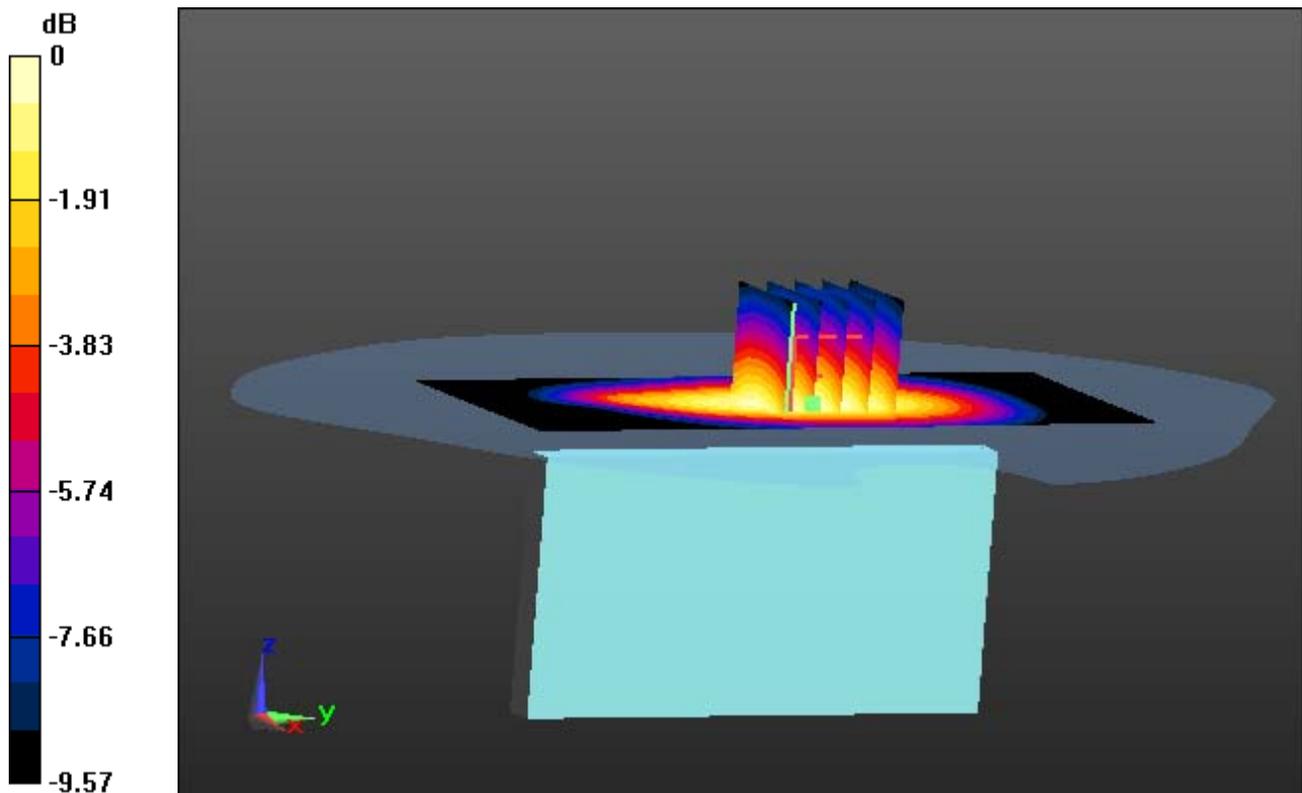## 1 cm space from Body, Left, WCDMA850 Ch. 4183, Ant Internal

Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.627 mW/g
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.307 W/kg

0 dB = 0.543 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; $ε_r$ = 54.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

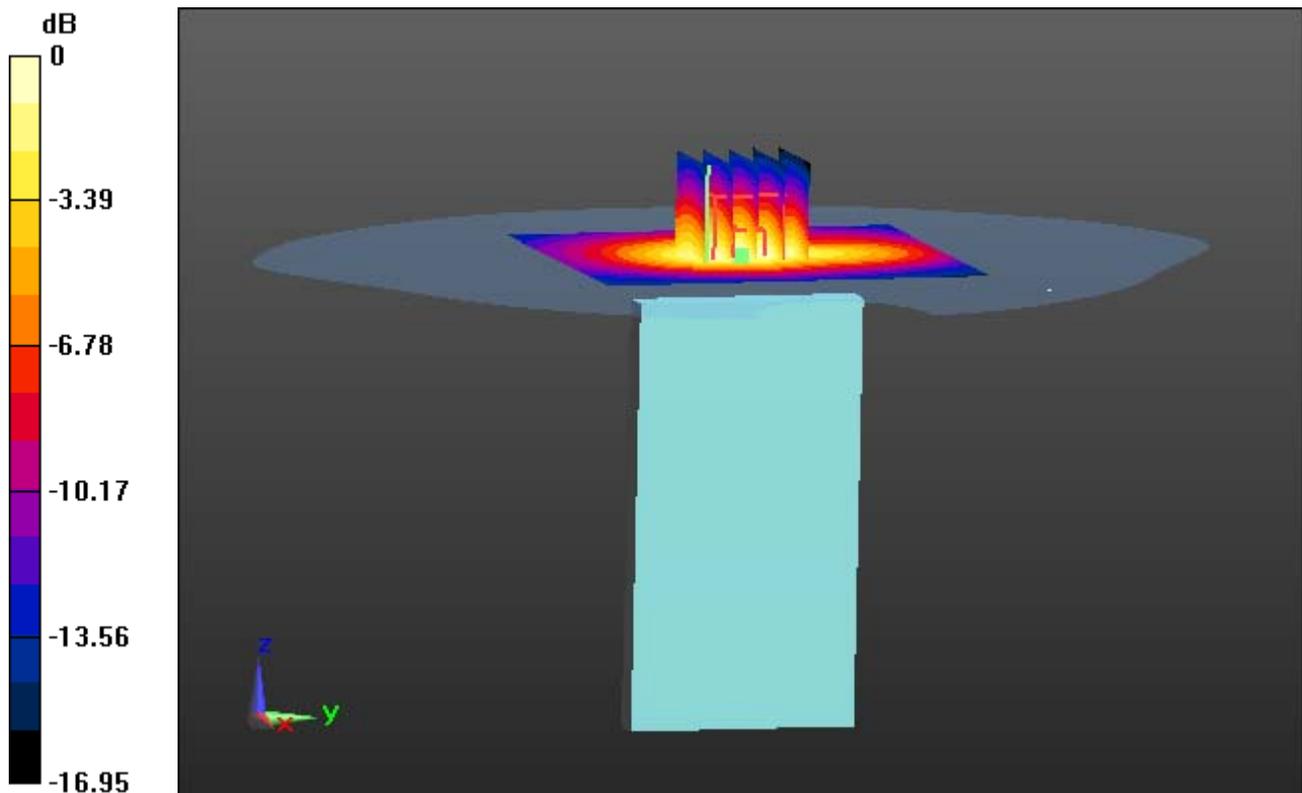## 1 cm space from Body, Bottom, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (71x81x1): Measurement 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) = 0.908 mW/g
SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.306 W/kg

0 dB = 0.721 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; ε_r = 54.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

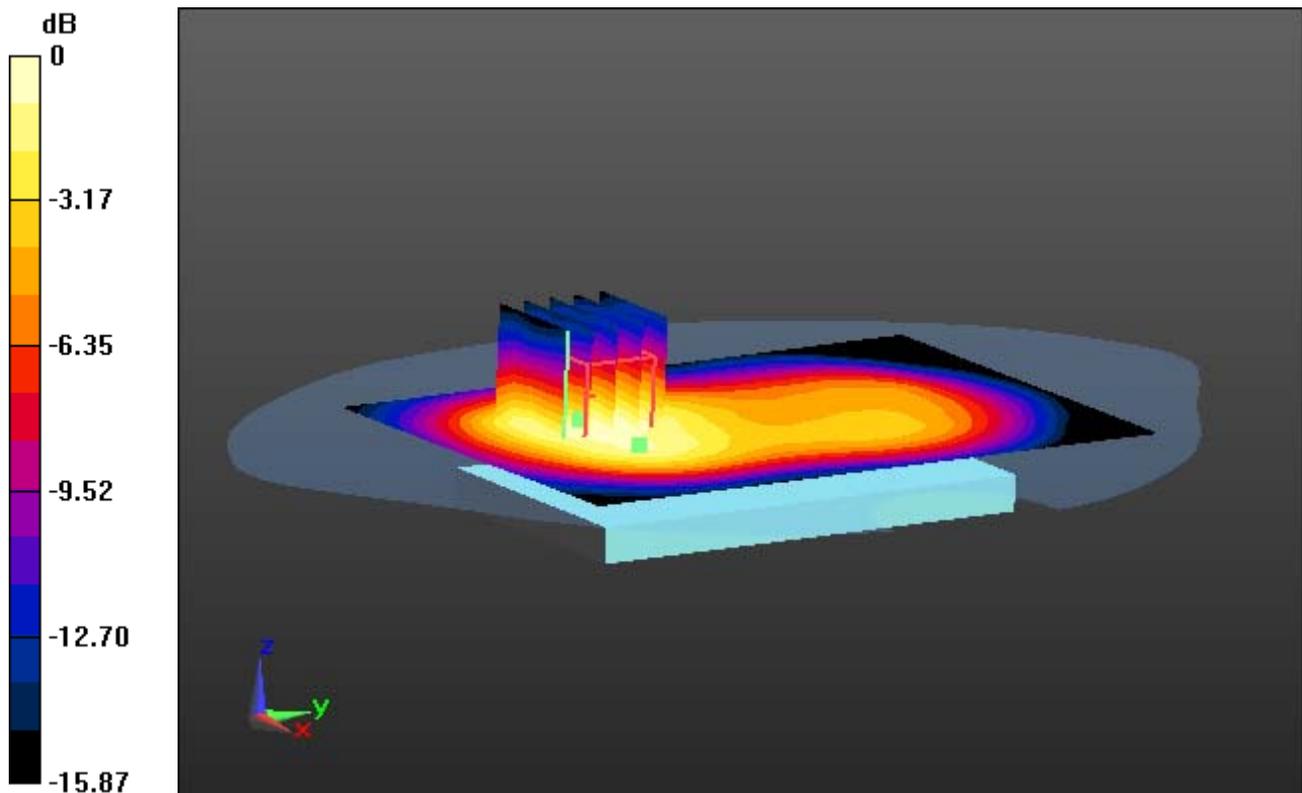## 1 cm space from Body, Front, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.819 mW/g
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.290 W/kg

0 dB = 0.651 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; ε_r = 54.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

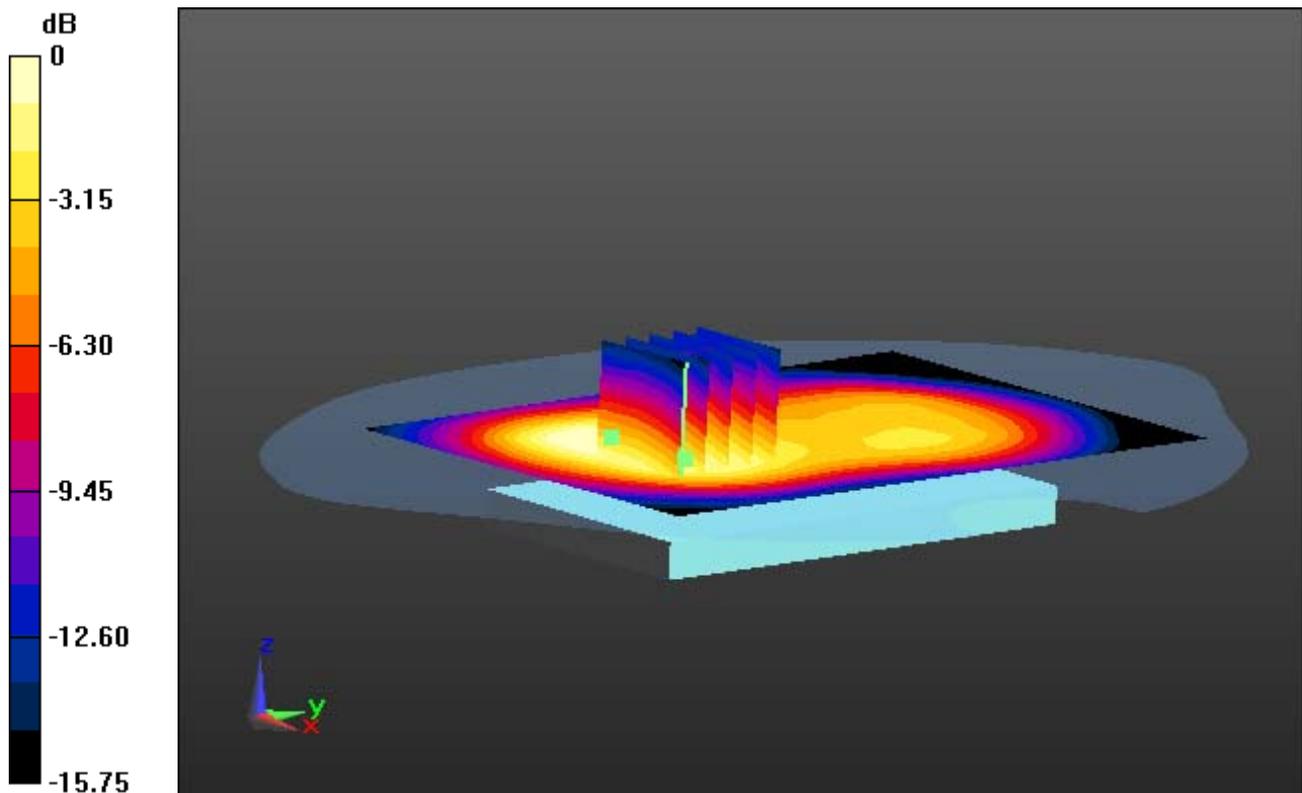## 1 cm space from Body, Front, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.674 mW/g
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.267 W/kg

0 dB = 0.552 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.473 mho/m; ε_r = 54.547; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

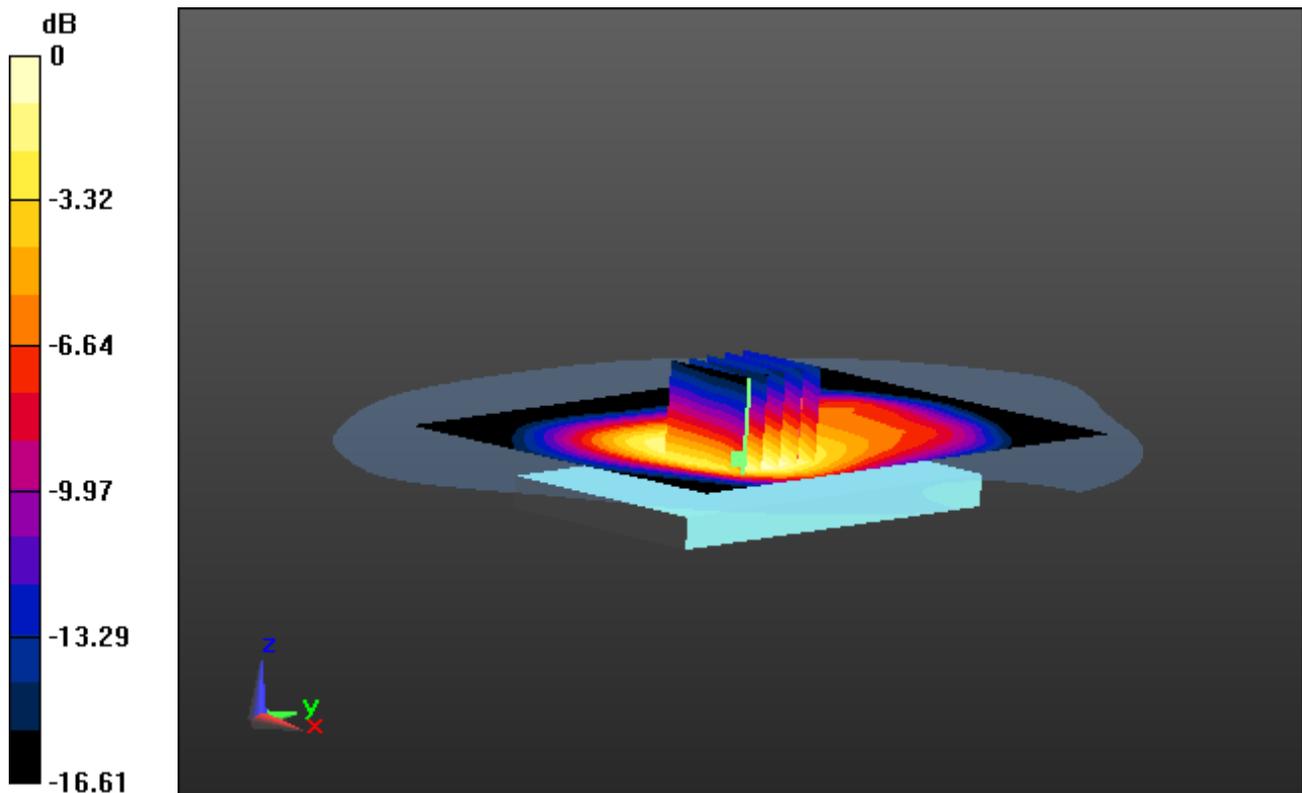## 1 cm space from Body, Rear, WCDMA1900 Ch. 9262, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.779 mW/g

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.621 W/kg

0 dB = 1.38 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; ε_r = 54.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

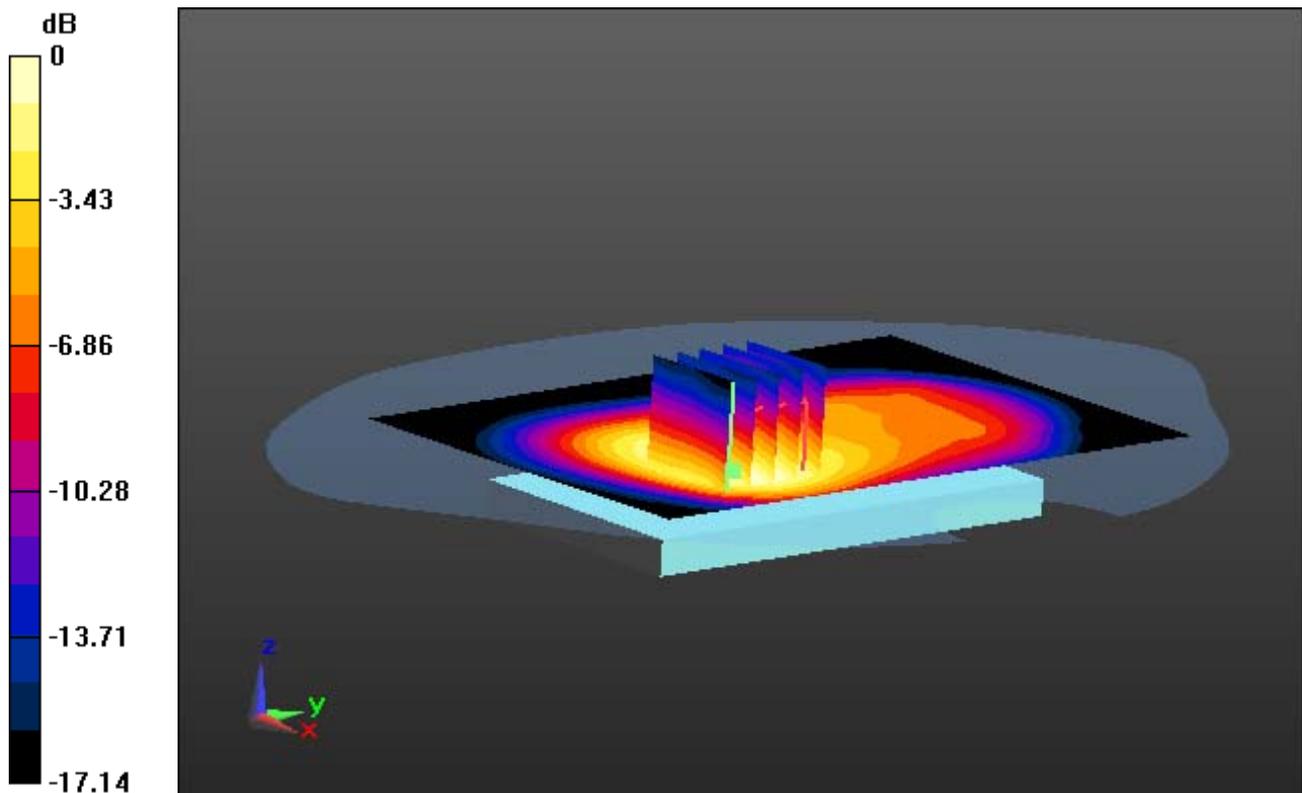## 1 cm space from Body, Rear, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.808 mW/g
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.613 W/kg

0 dB = 1.38 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.541 mho/m; $ε_r$ = 54.362; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

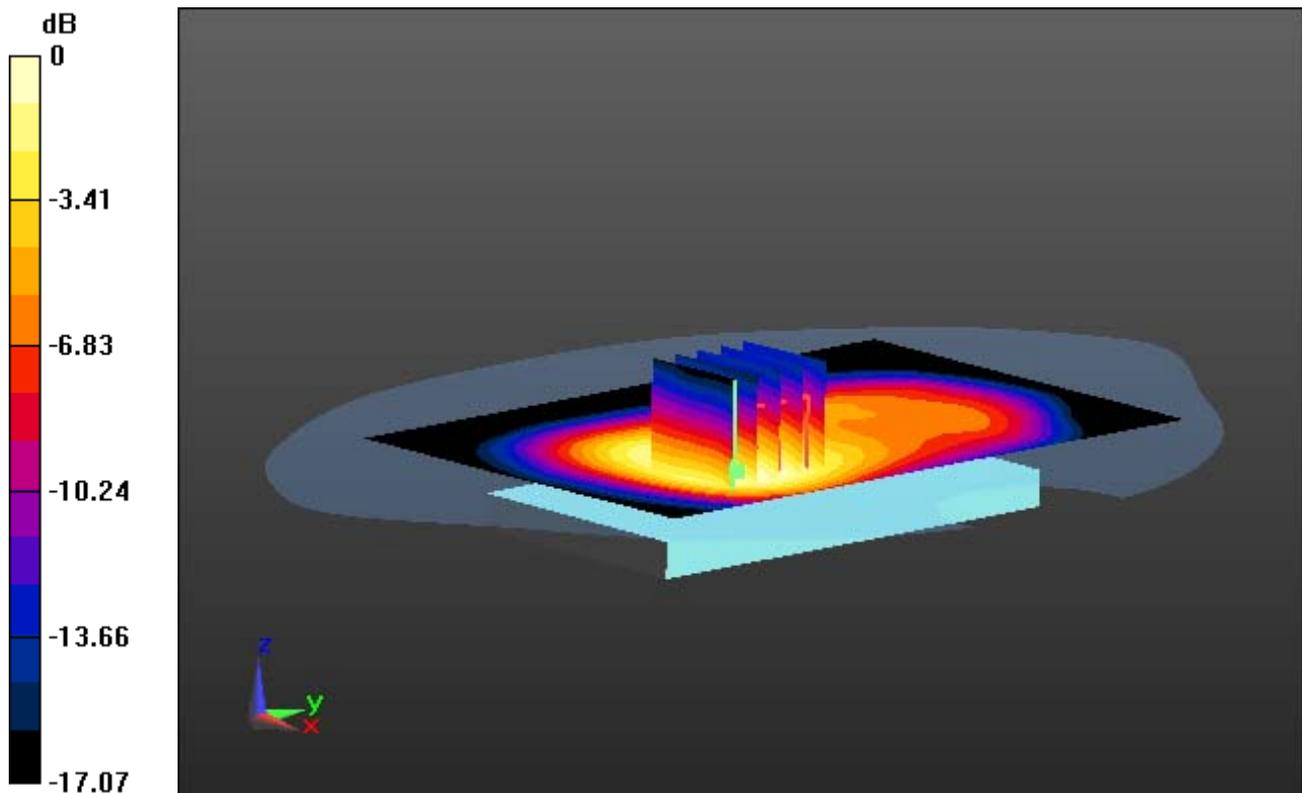## 1 cm space from Body, Rear, WCDMA1900 Ch. 9538, Ant Internal

Area Scan (81x121x1): Measurement 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) = 1.650 mW/g
SAR(1 g) = 0.951 W/kg; SAR(10 g) = 0.563 W/kg

0 dB = 1.27 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: WCDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; $ε_r$ = 54.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-10; Ambient Temp: 22.4 Tissue Temp:22.5

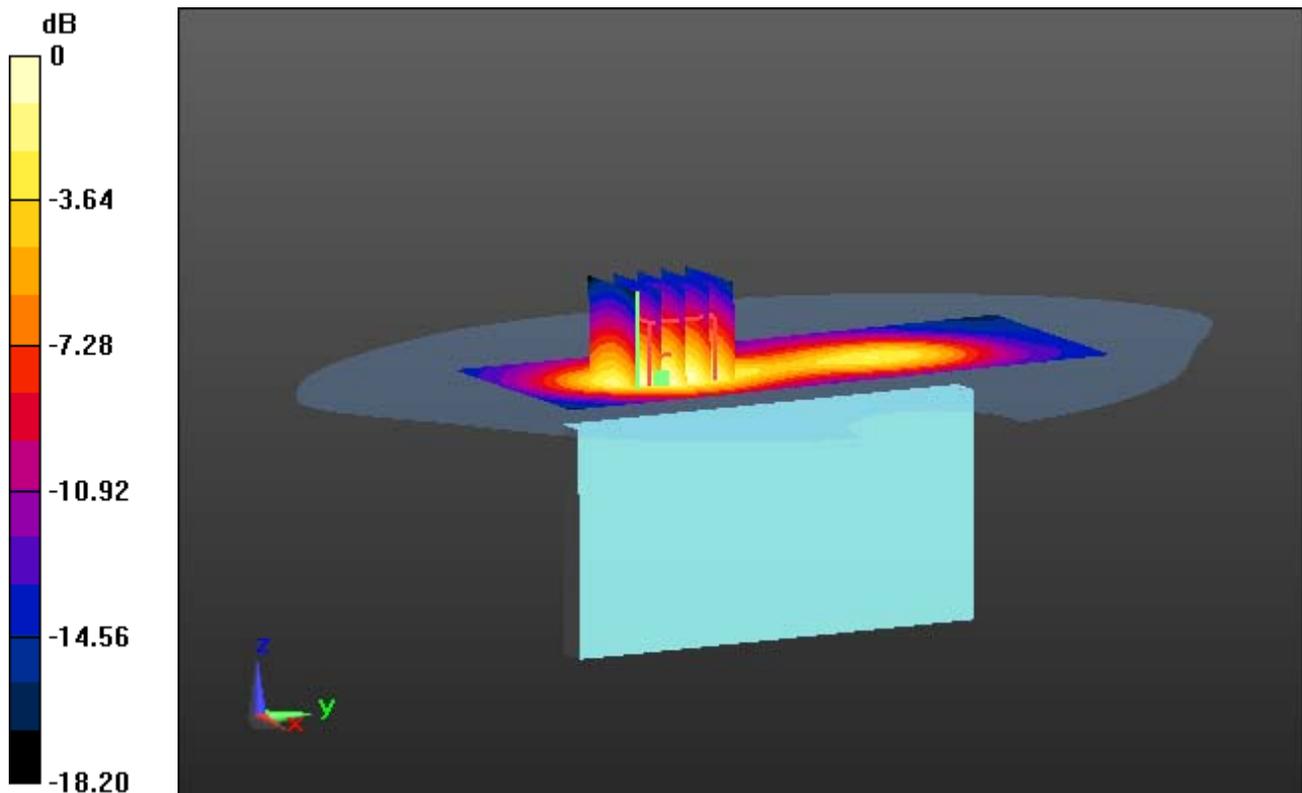## 1 cm space from Body, Left, WCDMA1900 Ch. 9400, Ant Internal

Area Scan (51x121x1): Measurement 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) = 0.937 mW/g
SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.314 W/kg

0 dB = 0.756 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.026 mho/m; ε_r = 52.55; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

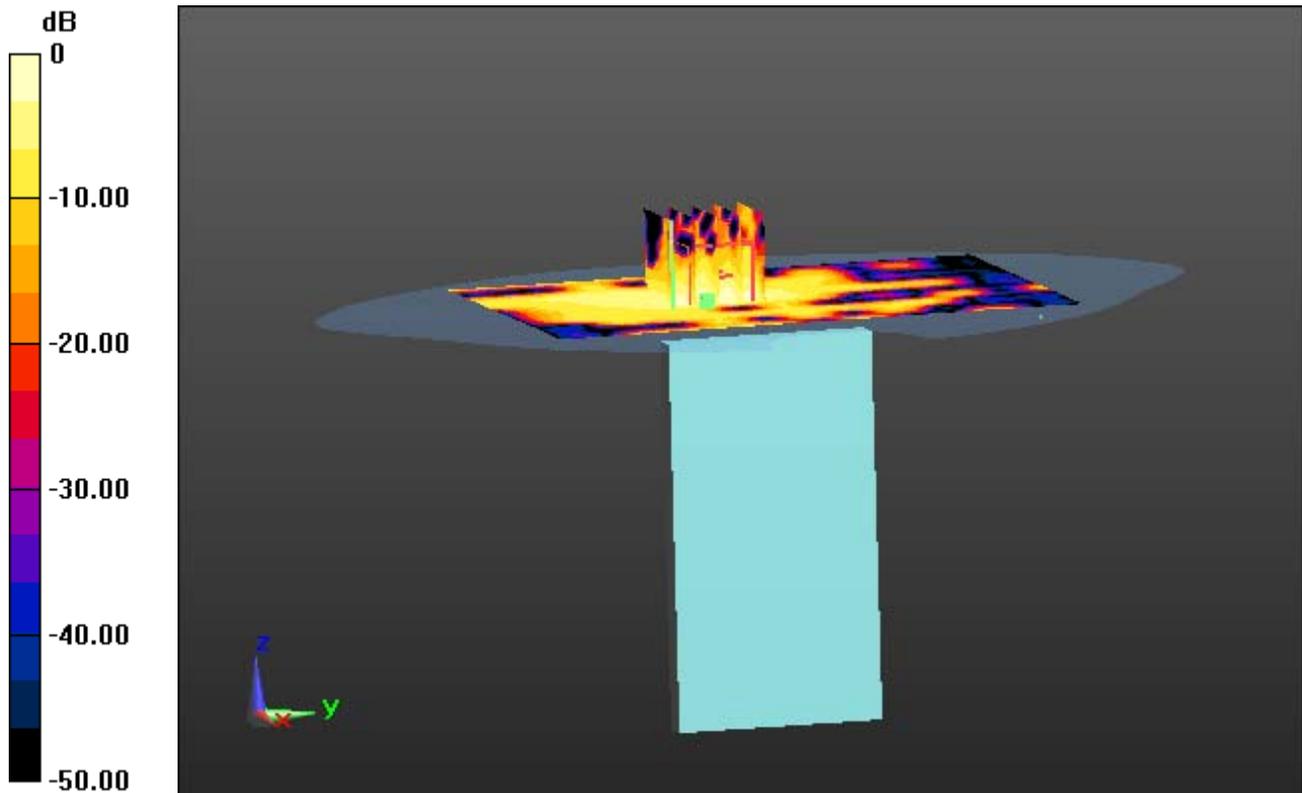## 1 cm space from Body, Top, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (91x121x1): Measurement 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) = 0.077 mW/g
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.015 W/kg

0 dB = 0.0590 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.026 mho/m; $ε_r$ = 52.55; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

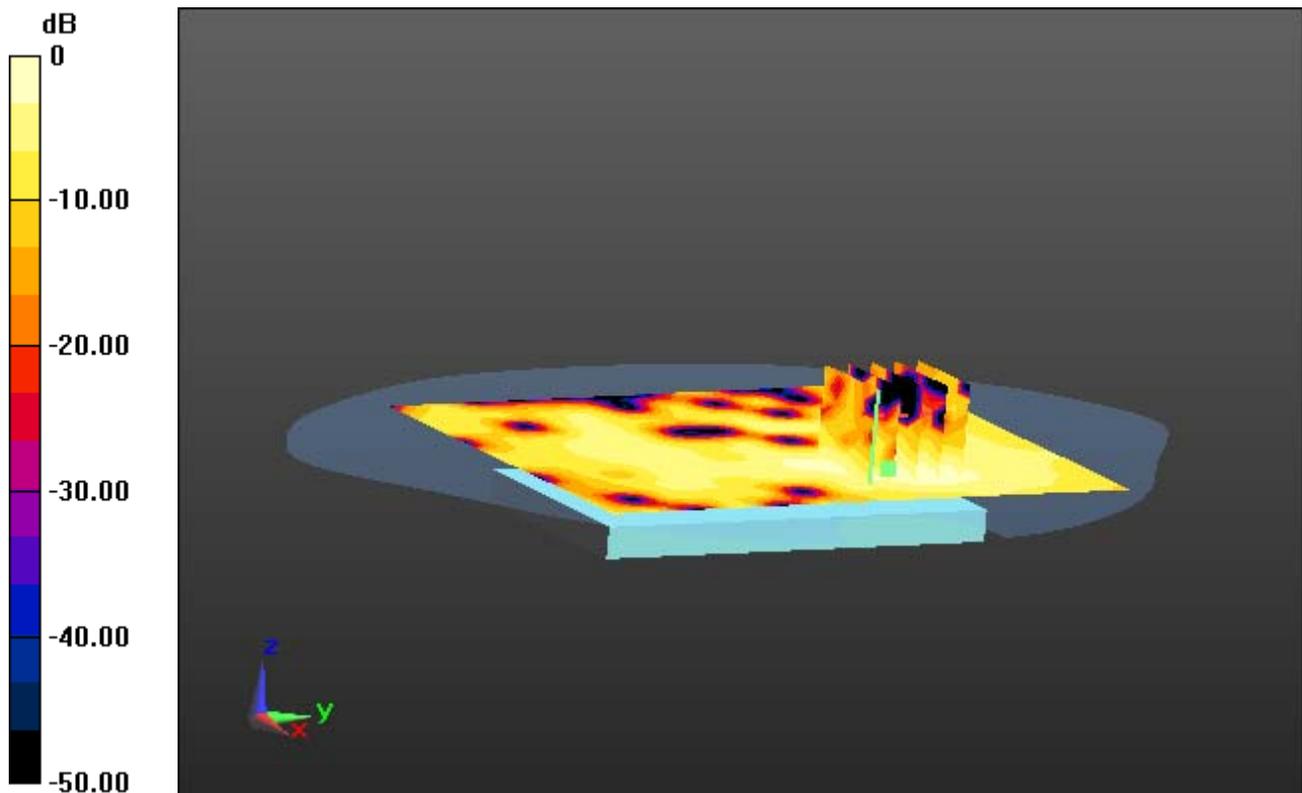Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

1 cm space from Body, Front, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (91x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.074 mW/g
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.011 W/kg

0 dB = 0.0470 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.026 mho/m; $ε_r$ = 52.55; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

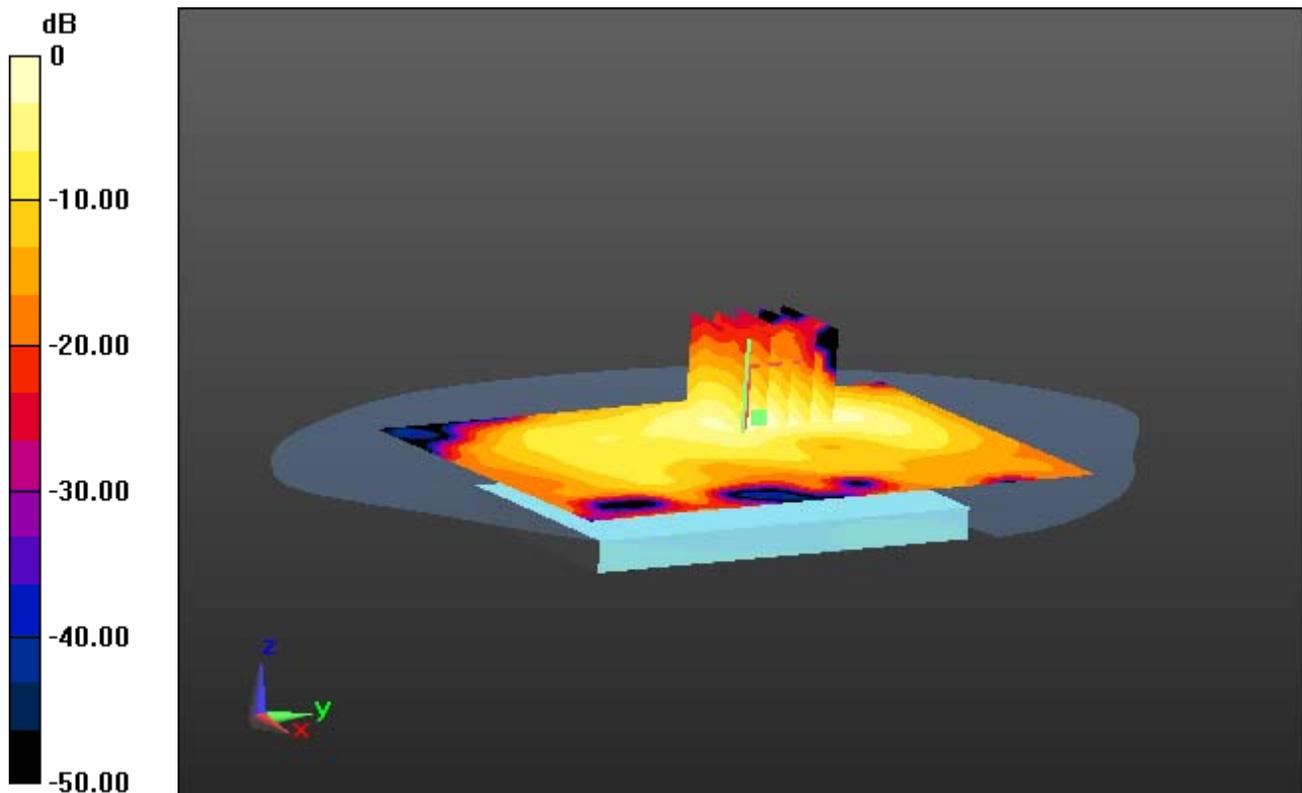Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (81x121x1): Measurement 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) = 0.387 mW/g
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.077 W/kg

0 dB = 0.265 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.026 mho/m; ε_r = 52.55; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

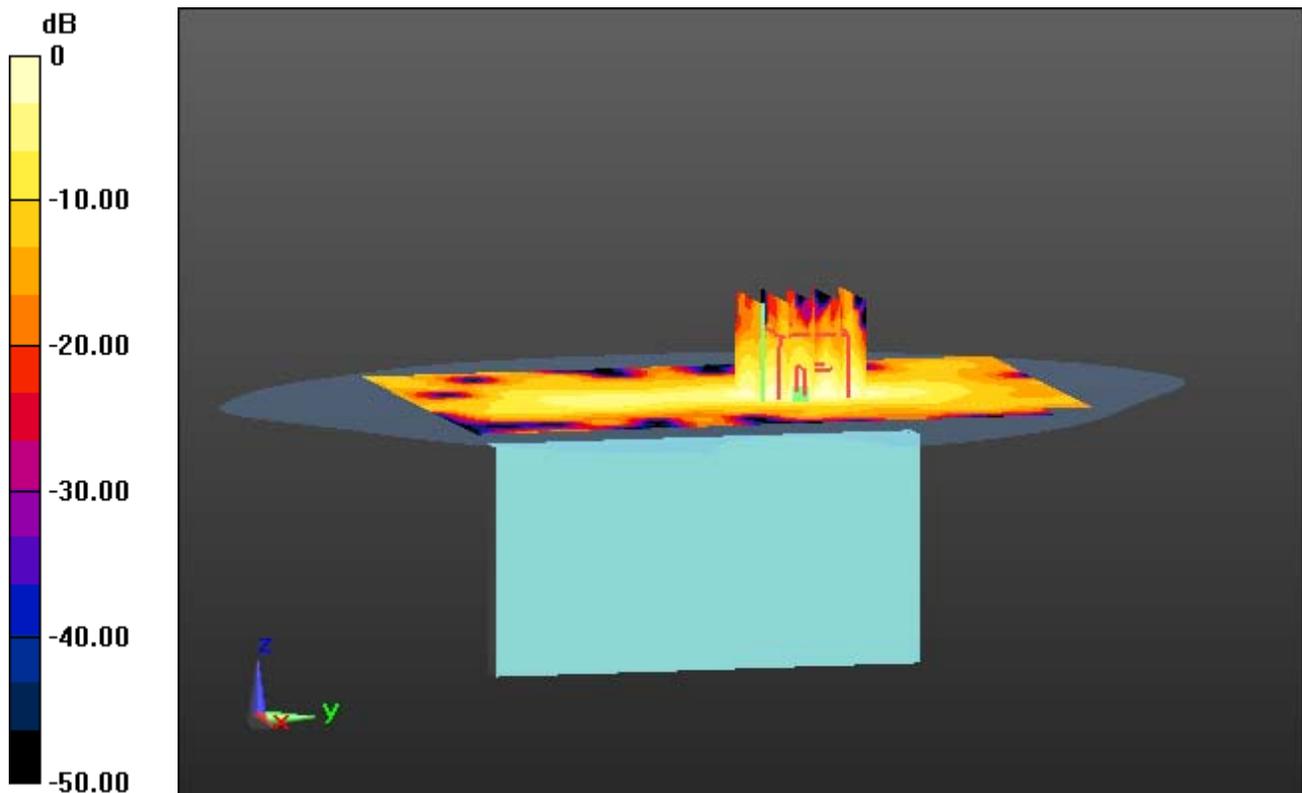Test Date: 2012-10-11; Ambient Temp: 22.2 Tissue Temp:22.4

1 cm space from Body, Right, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (91x131x1): Measurement 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) = 0.258 mW/g
SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.053 W/kg

0 dB = 0.177 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5800; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 5.901 mho/m; ε_r = 46.709; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(3.8, 3.8, 3.8); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-15; Ambient Temp: 22.0 Tissue Temp:22.2

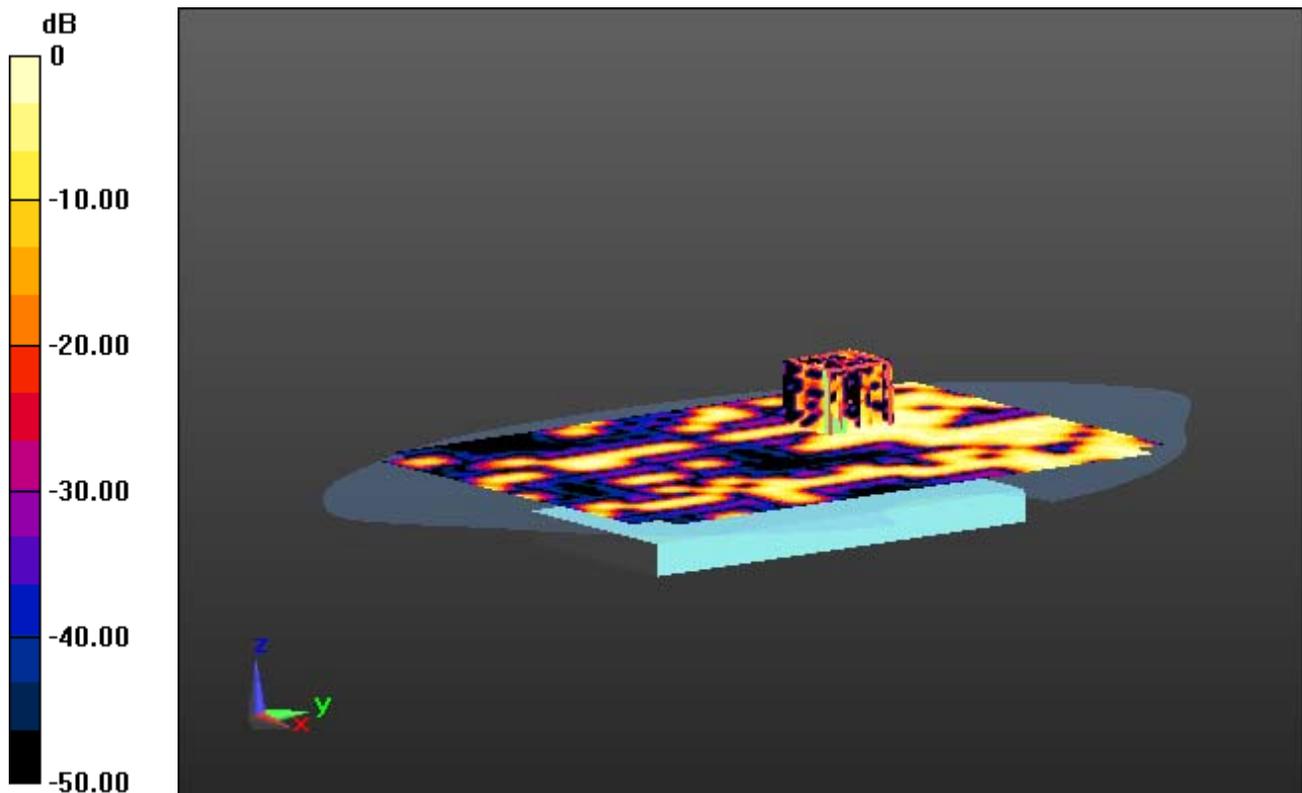## 1 cm space from Body, Rear, W-LAN(802.11a -5.8 G Band) Ch. 149, Ant Internal

Area Scan (161x191x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.832 mW/g
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.017 W/kg

0 dB = 0.0969 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.206 mho/m; $ε_r$ = 47.627; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.23, 4.23, 4.23); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-15; Ambient Temp: 22.0 Tissue Temp:22.2

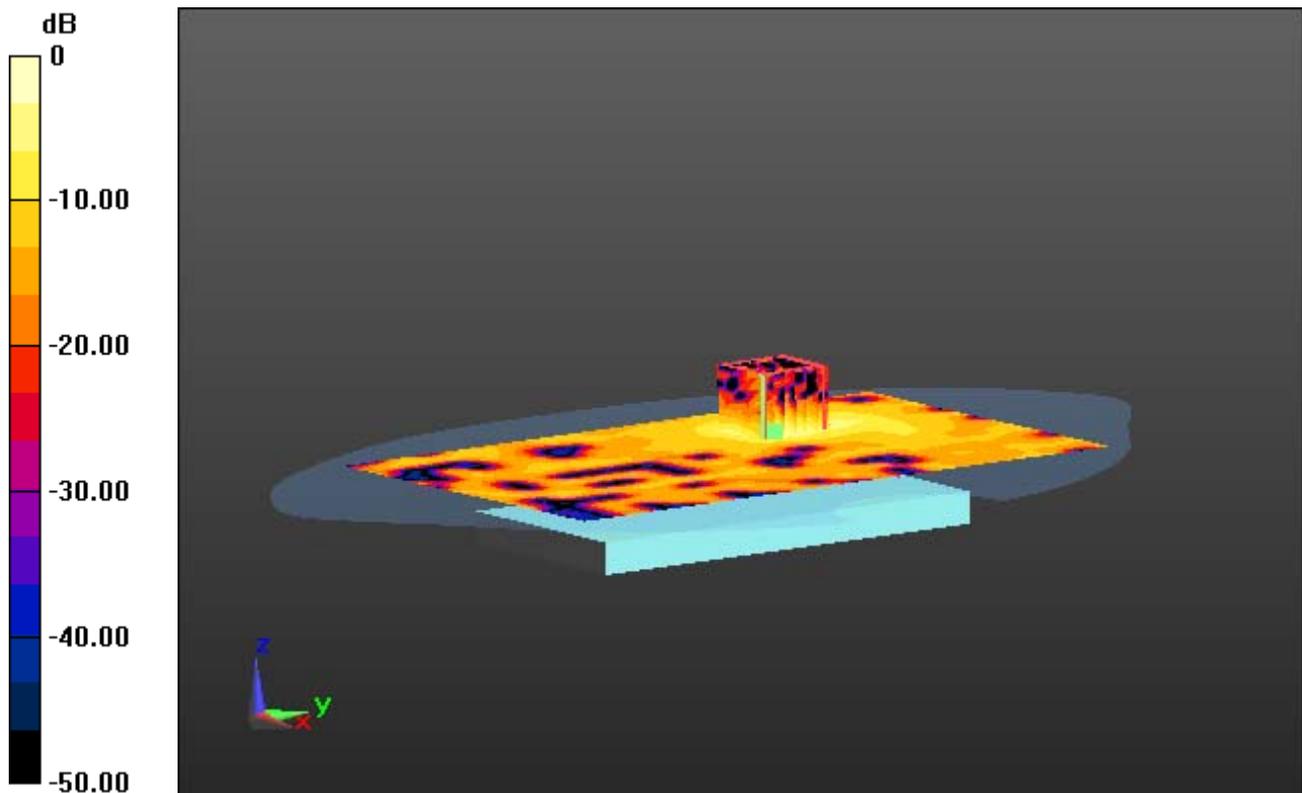## 1 cm space from Body, Rear, W-LAN(802.11a -5.2 G Band) Ch. 48, Ant Internal

Area Scan (131x191x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.665 mW/g
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.103 W/kg

0 dB = 0.735 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5300; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.291 mho/m; ε_r = 47.508; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3643; ConvF(4.05, 4.05, 4.05); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-15; Ambient Temp: 22.0 Tissue Temp:22.2

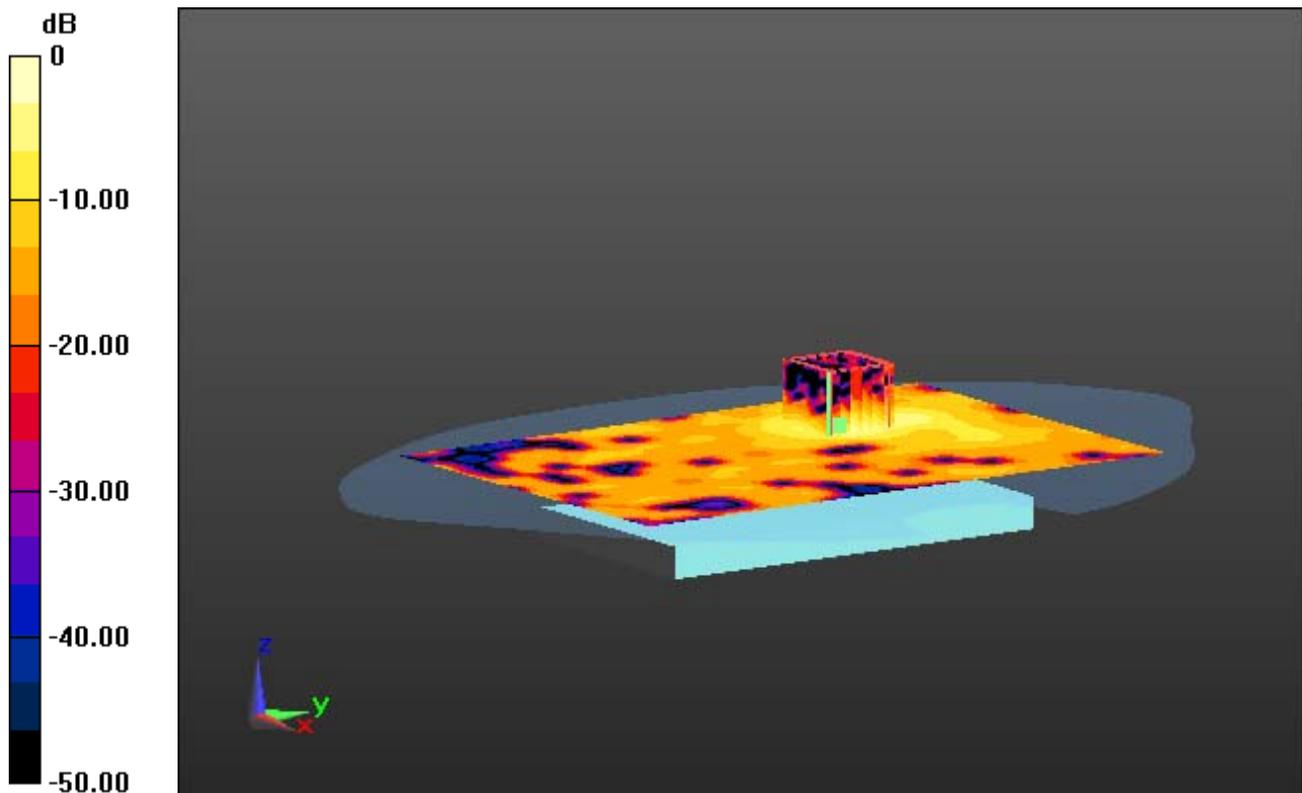**1 cm space from Body, Rear, W-LAN(802.11a -5.3 G Band) Ch. 60, Ant Internal**

Area Scan (131x191x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.664 mW/g
SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.103 W/kg

0 dB = 0.759 mW/g

DIGITAL EMC CO., LTD

DUT: LG-E972; Type: Bar

Communication System: W-LAN_5500; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.558 mho/m; ε_r = 47.14; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(3.86, 3.86, 3.86); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial:1679
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-10-15; Ambient Temp: 22.0 Tissue Temp:22.2

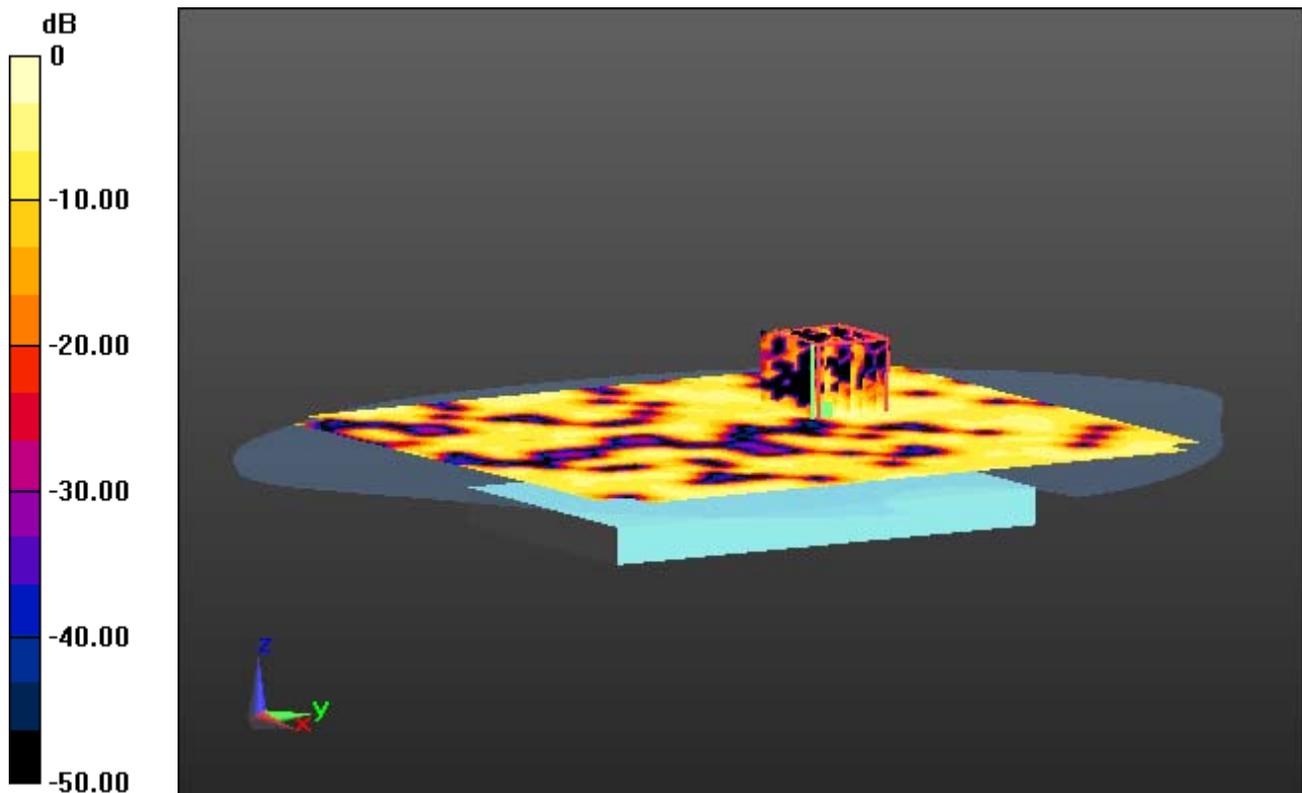## 1 cm space from Body, Rear, W-LAN(802.11a -5.5 G Band) Ch. 100, Ant Internal

Area Scan (161x191x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.597 mW/g
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.035 W/kg

0 dB = 0.267 mW/g