SAR Test Plots

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

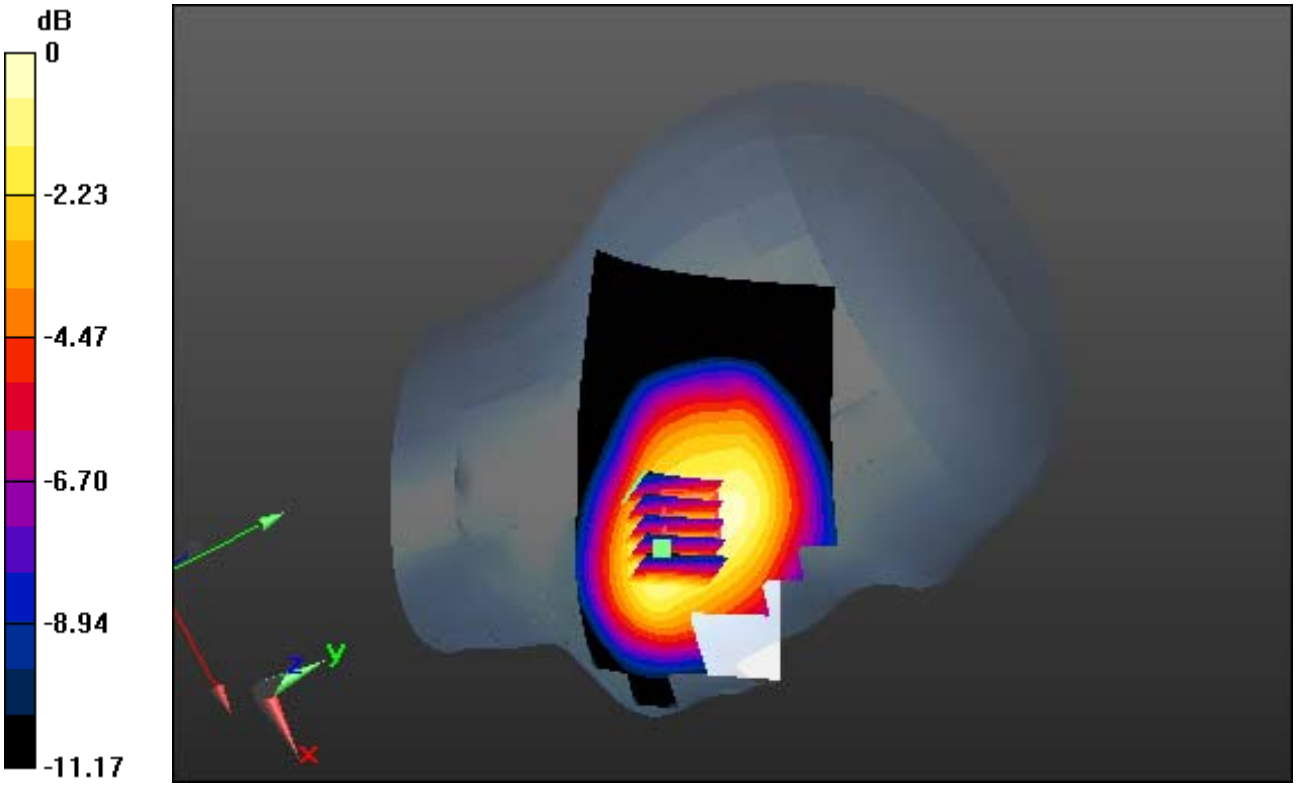
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.114; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp: 21.8

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

Area Scan (71x121x1): 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) = 0.444 W/kg
SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.237 W/kg



0 dB = 0.394 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

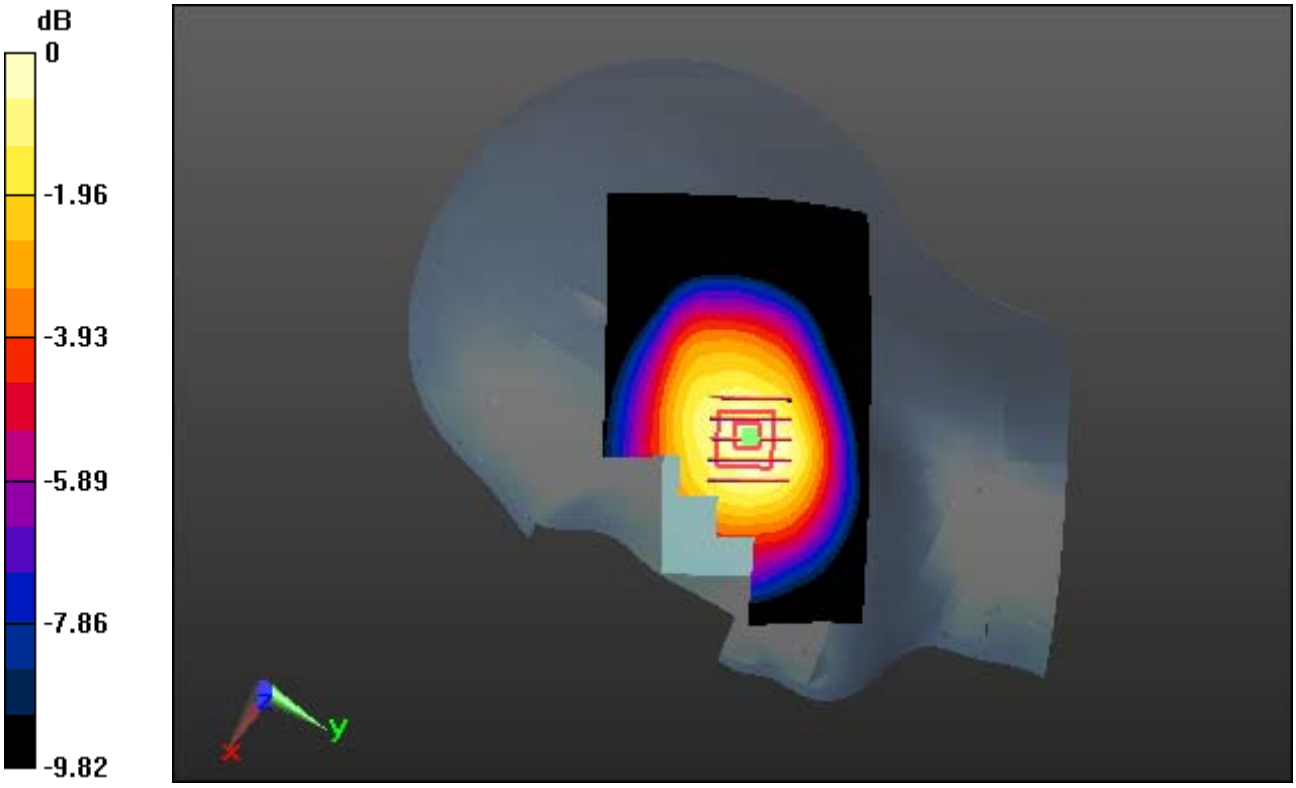
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.114; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp: 21.8

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

Area Scan (71x121x1): 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) = 0.426 W/kg
SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.249 W/kg



0 dB = 0.384 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

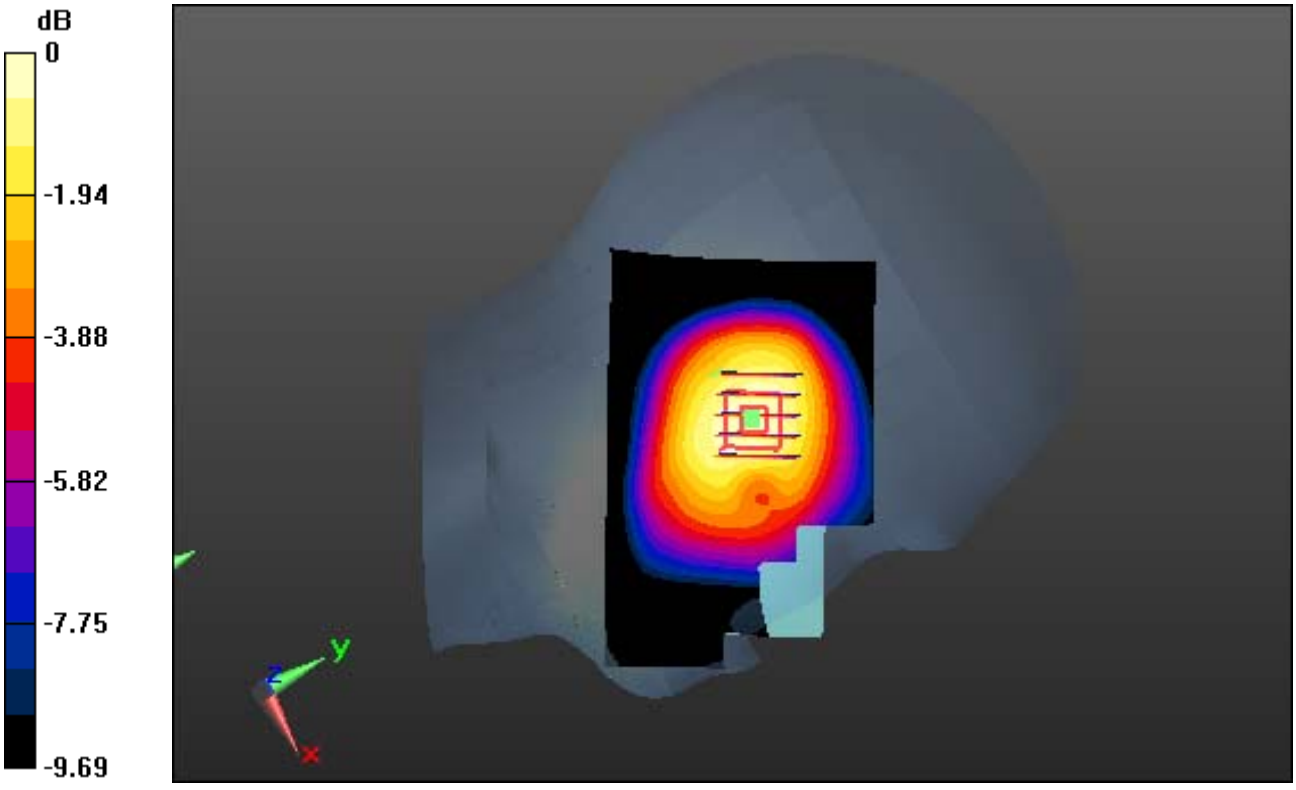
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.114; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp: 21.8

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

Area Scan (71x121x1): 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) = 0.381 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.214 W/kg



0 dB = 0.342 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

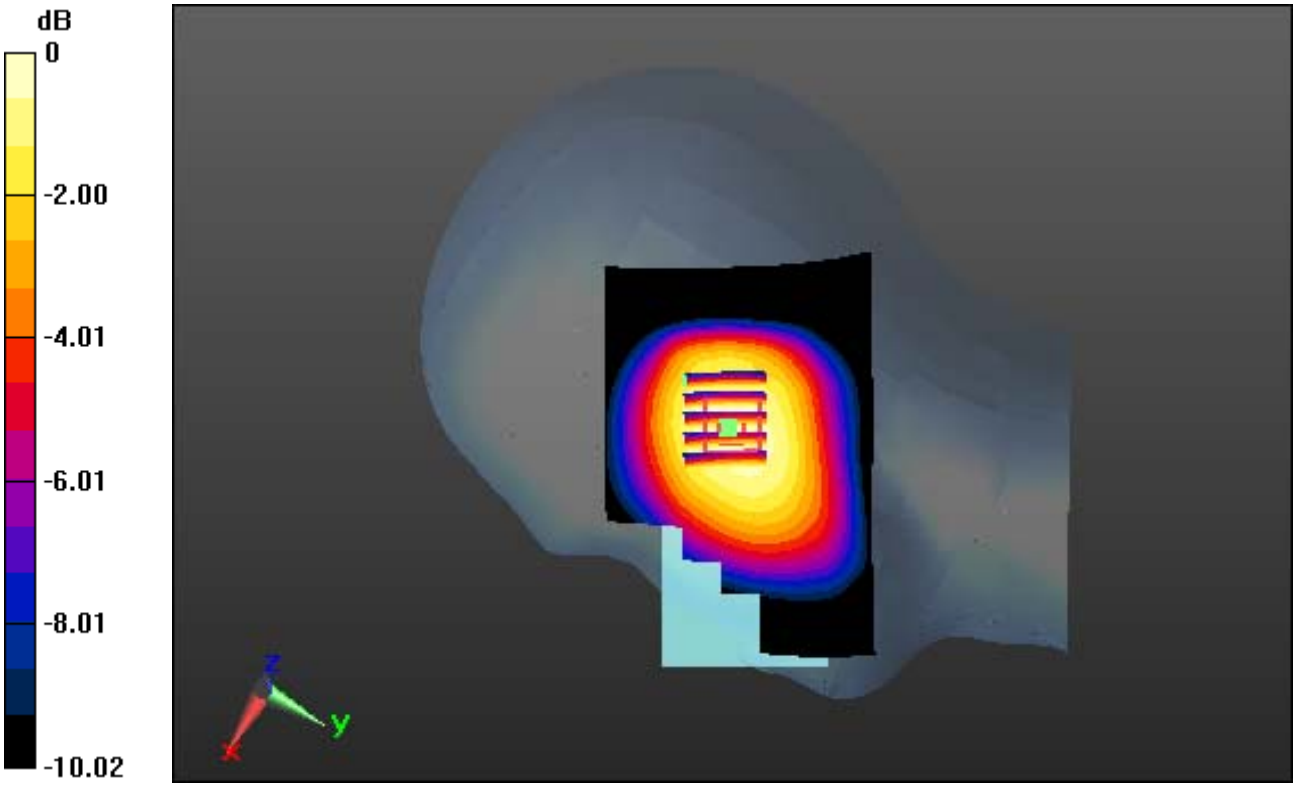
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.114; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp: 21.8

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

Area Scan (71x121x1): 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) = 0.382 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.218 W/kg



0 dB = 0.345 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

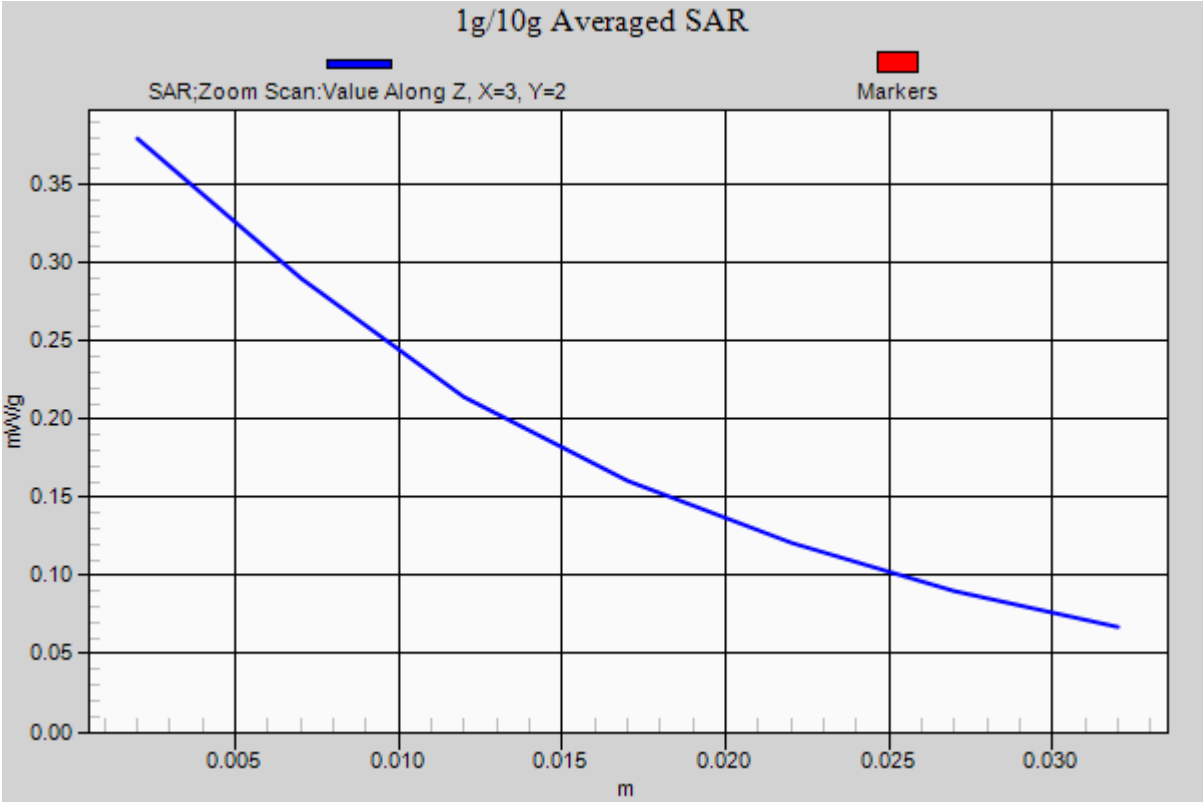
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.114; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp: 21.8

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

Area Scan (71x121x1): 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) = 0.444 W/kg
SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.237 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

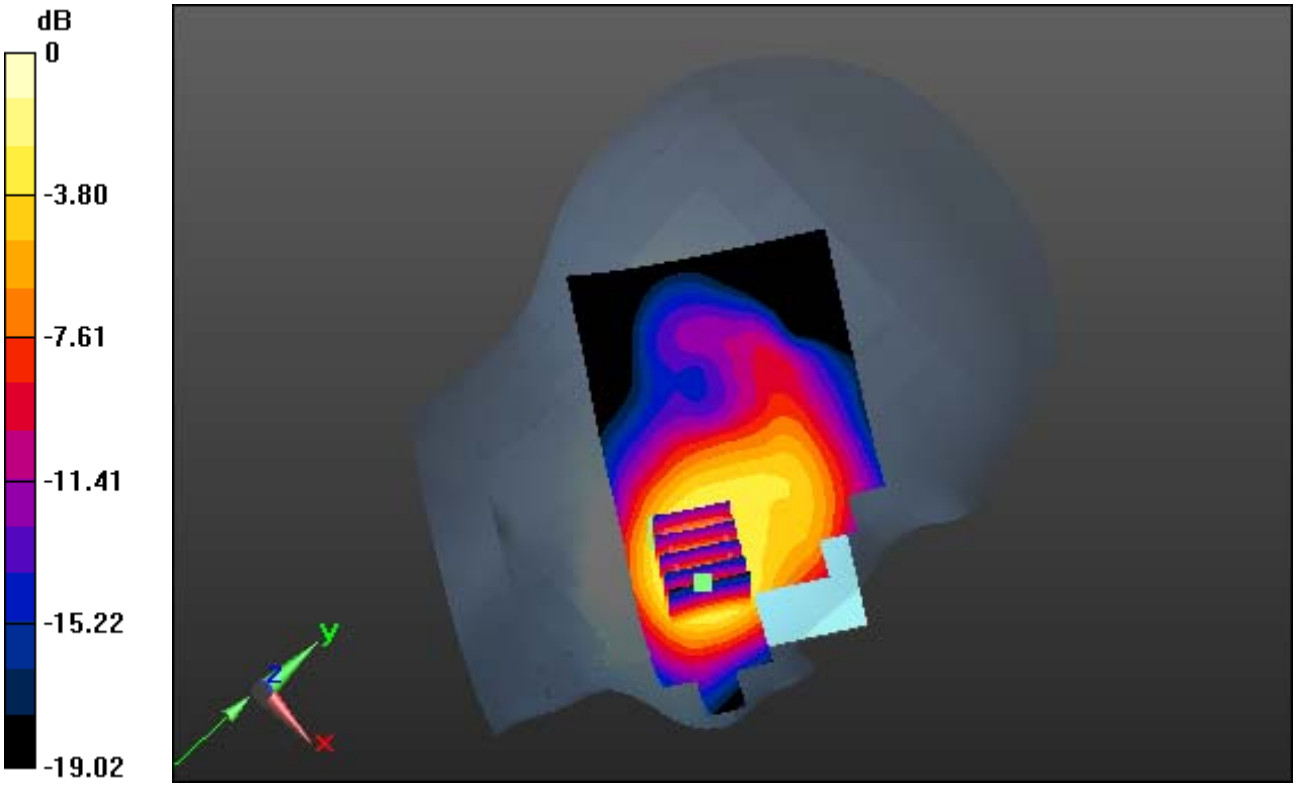
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.745; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x121x1): 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) = 0.861 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.296 W/kg



0 dB = 0.681 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

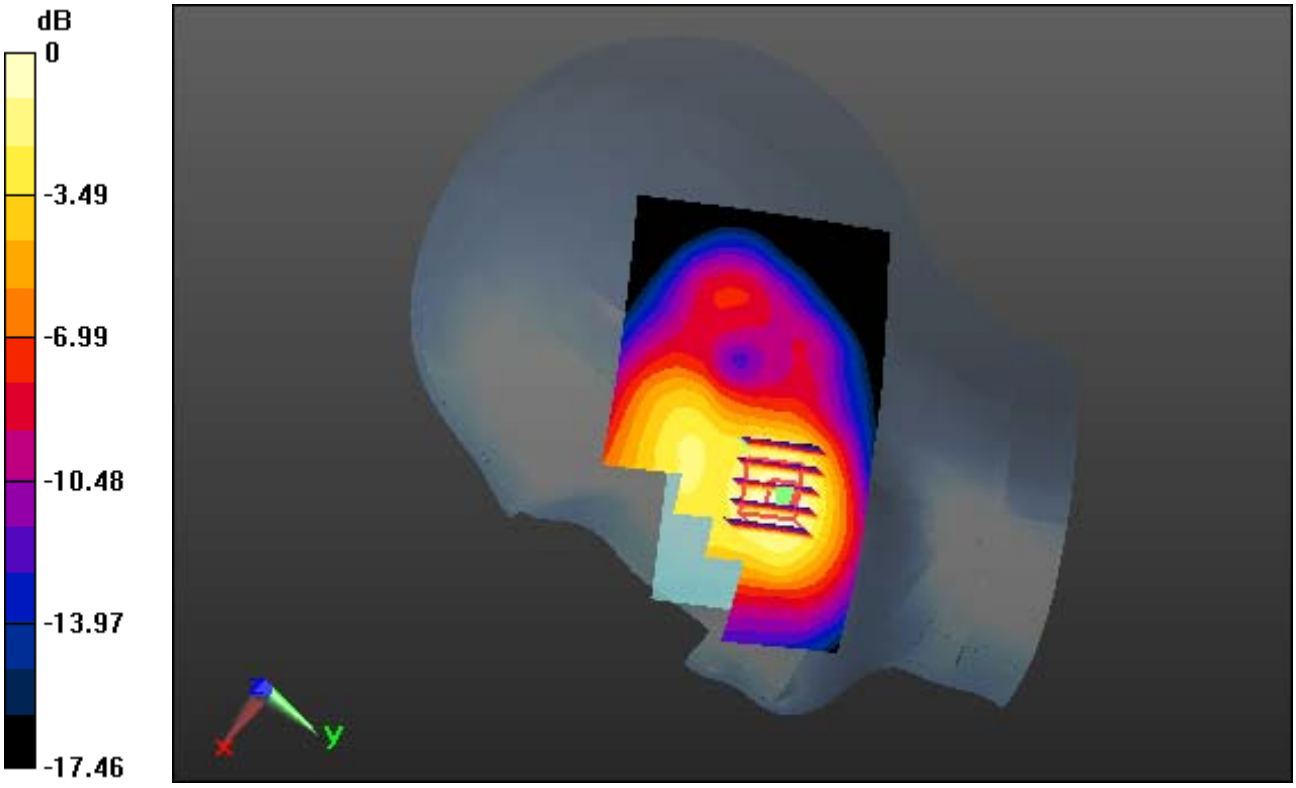
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.745; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x121x1): 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) = 0.486 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.190 W/kg



0 dB = 0.406 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

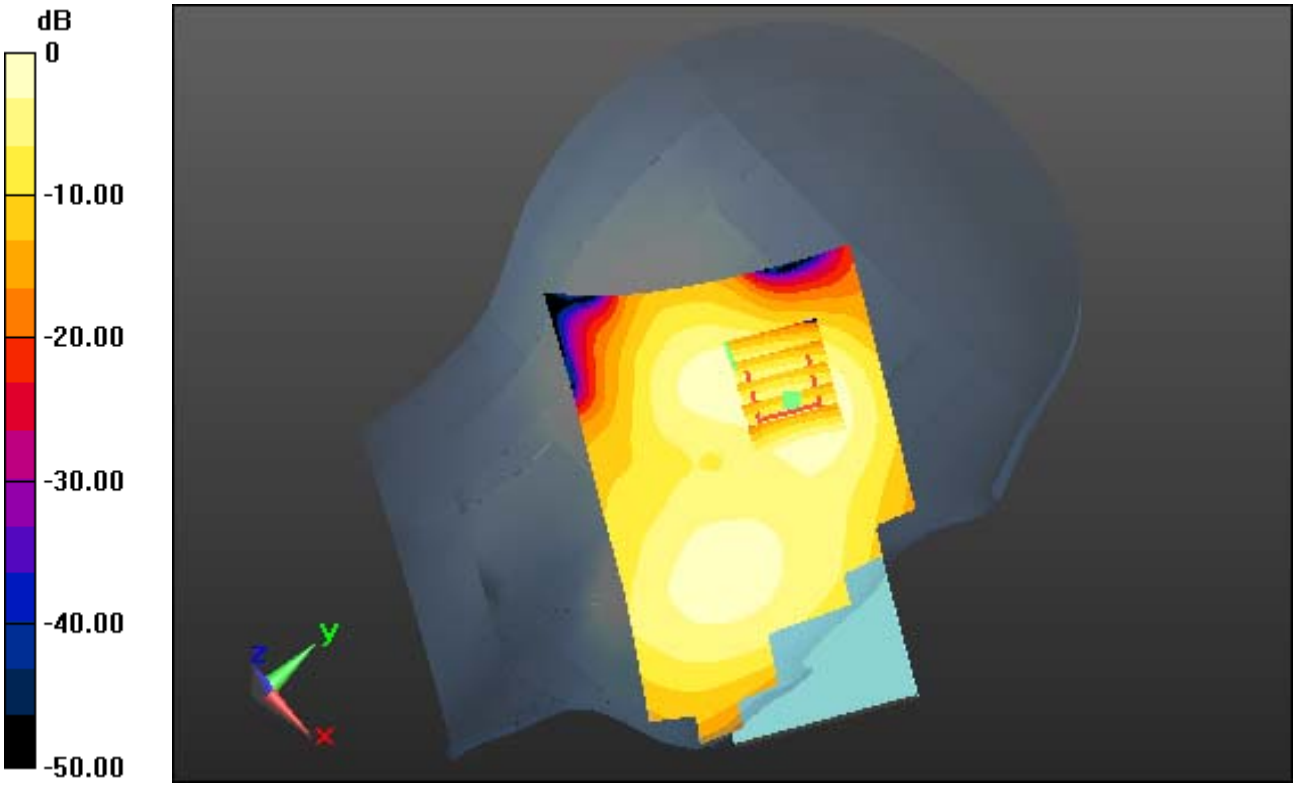
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.745; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x121x1): 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) = 0.262 W/kg
SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.101 W/kg



0 dB = 0.217 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

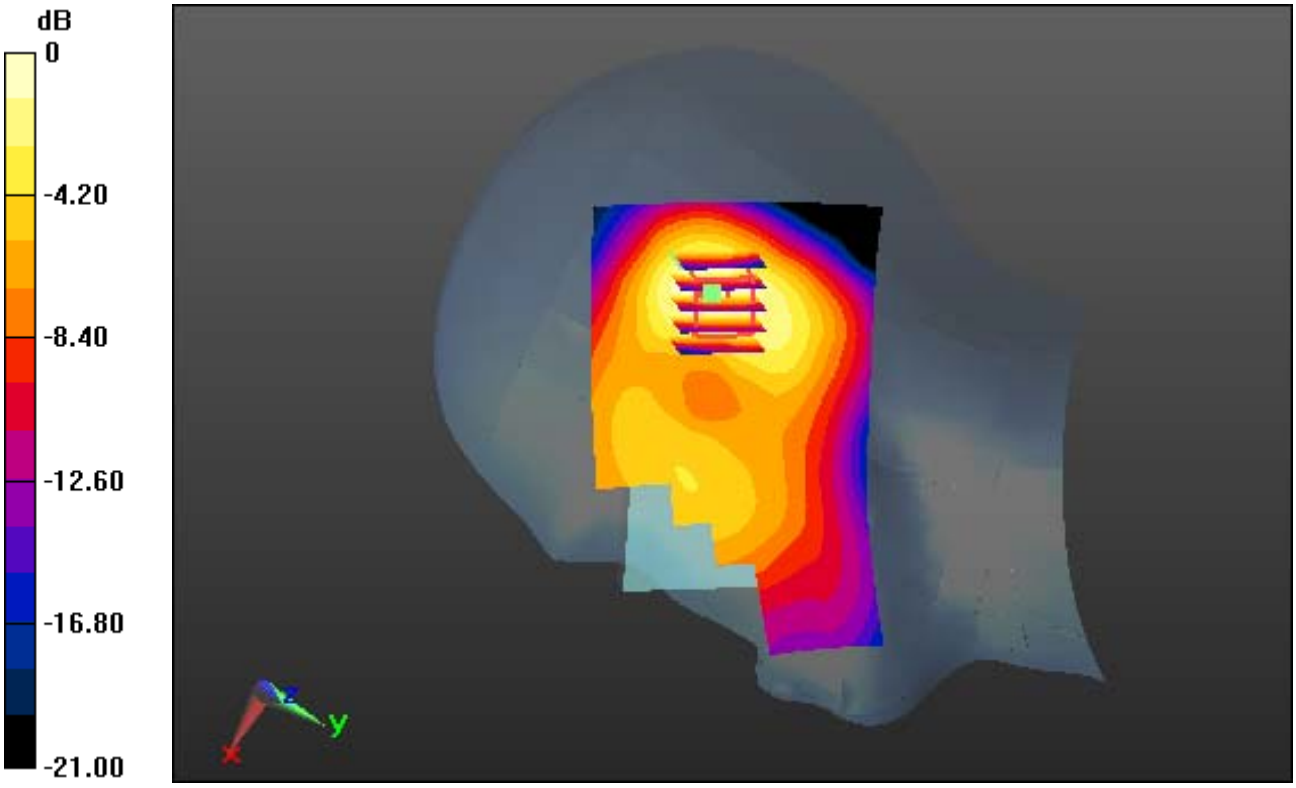
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.745; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x121x1): 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) = 0.239 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.085 W/kg



0 dB = 0.195 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

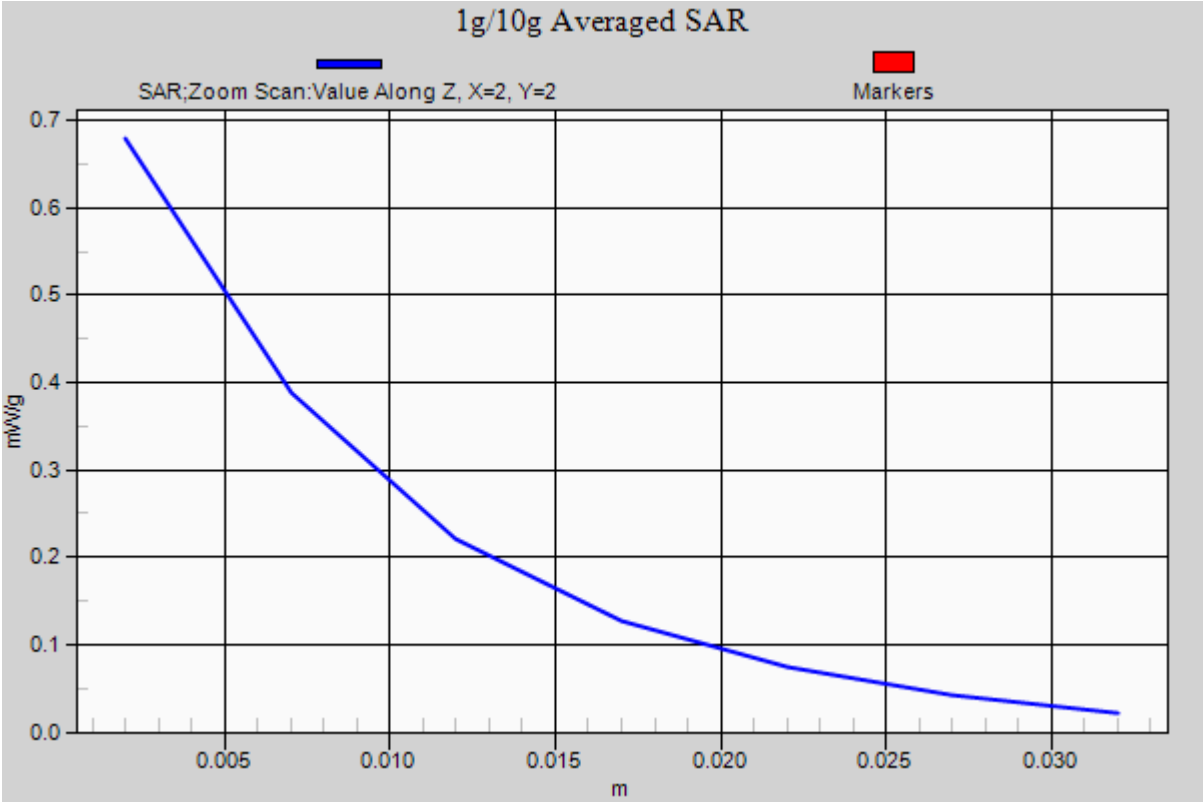
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.424 mho/m; ε_r = 38.745; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(8.25, 8.25, 8.25); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x121x1): 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) = 0.861 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.296 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

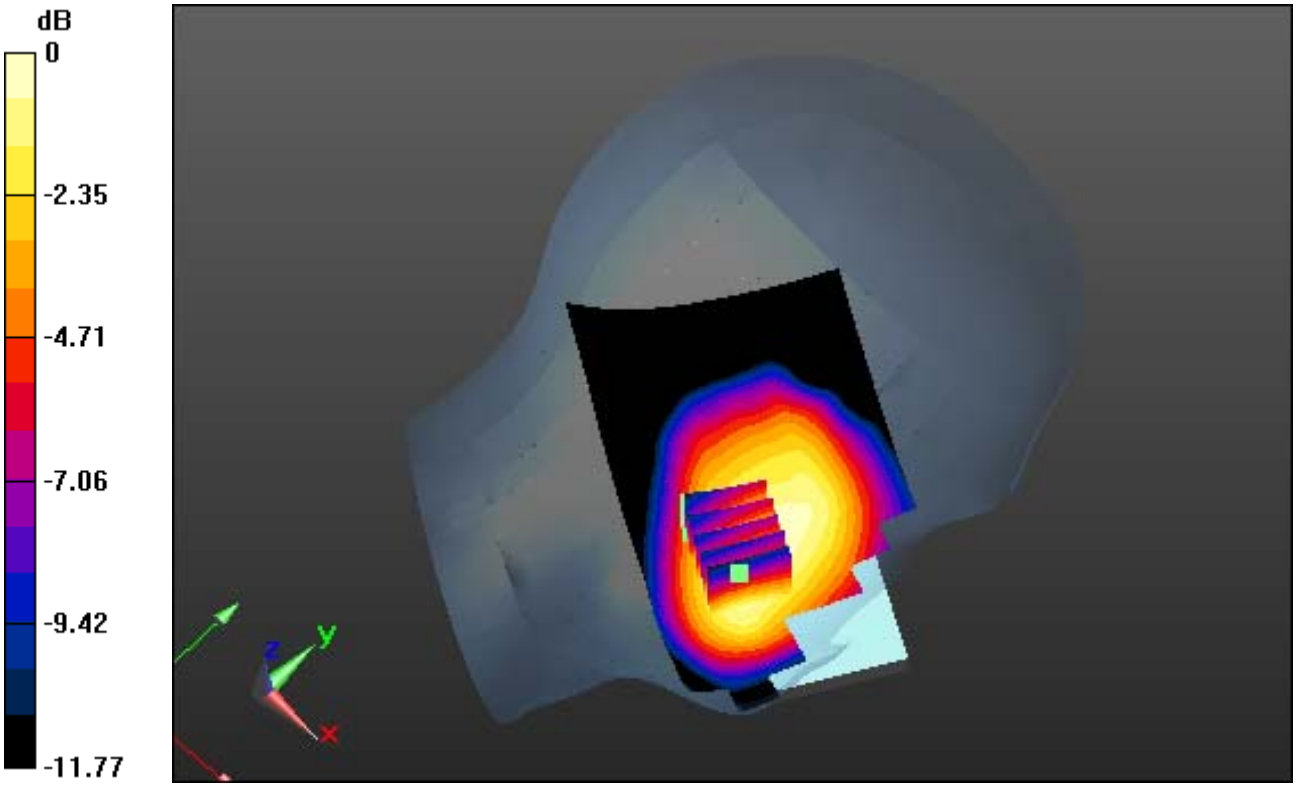
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.294; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x121x1): 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) = 0.350 W/kg
SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.186 W/kg



0 dB = 0.305 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

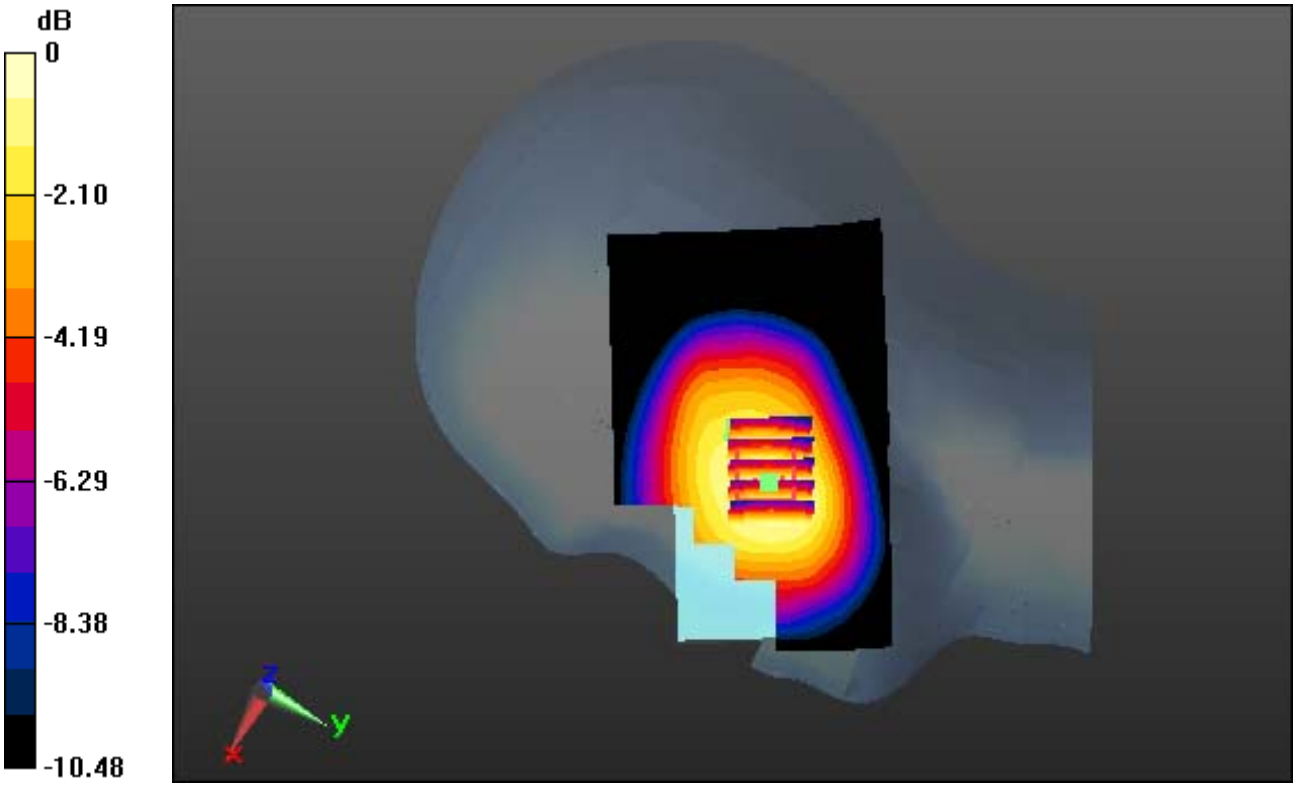
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.294; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x121x1): 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) = 0.381 W/kg
SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.222 W/kg



0 dB = 0.343 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

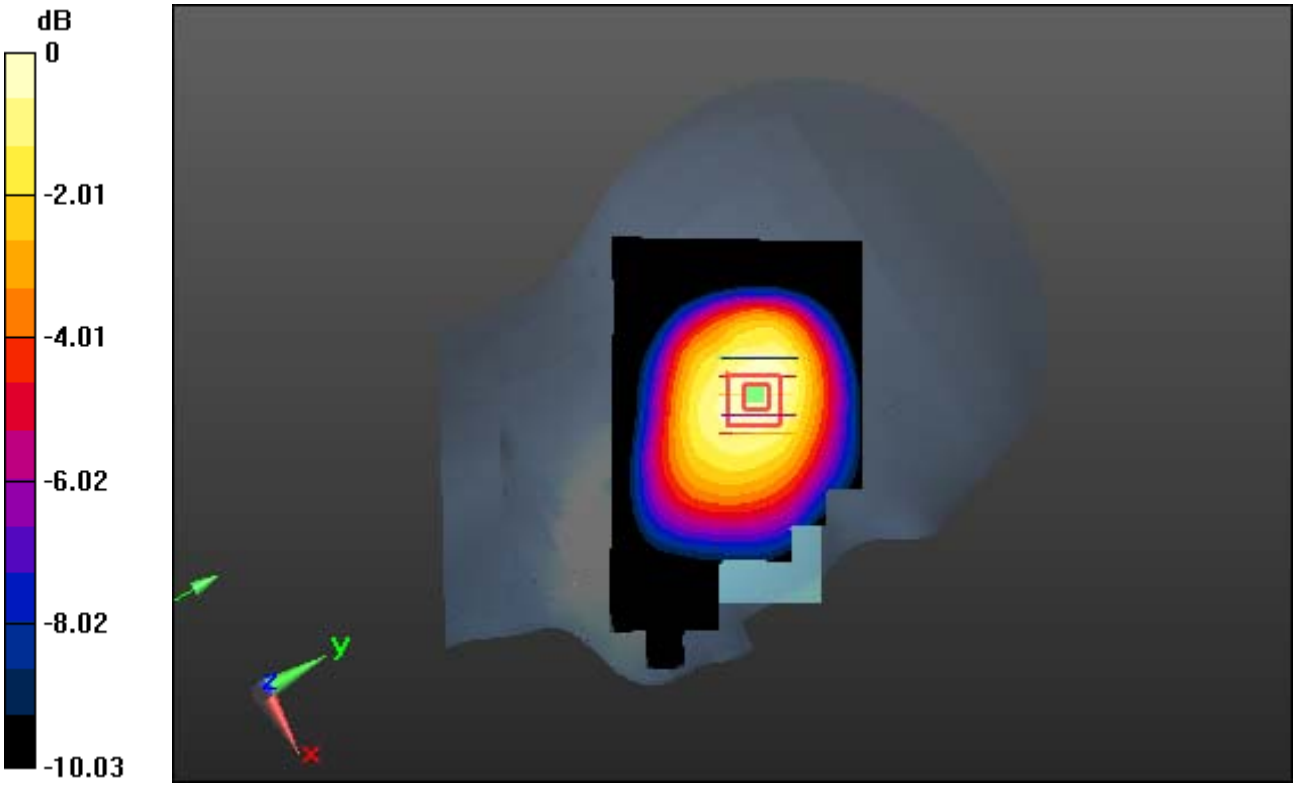
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.294; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x121x1): 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) = 0.404 W/kg
SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.225 W/kg



0 dB = 0.357 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

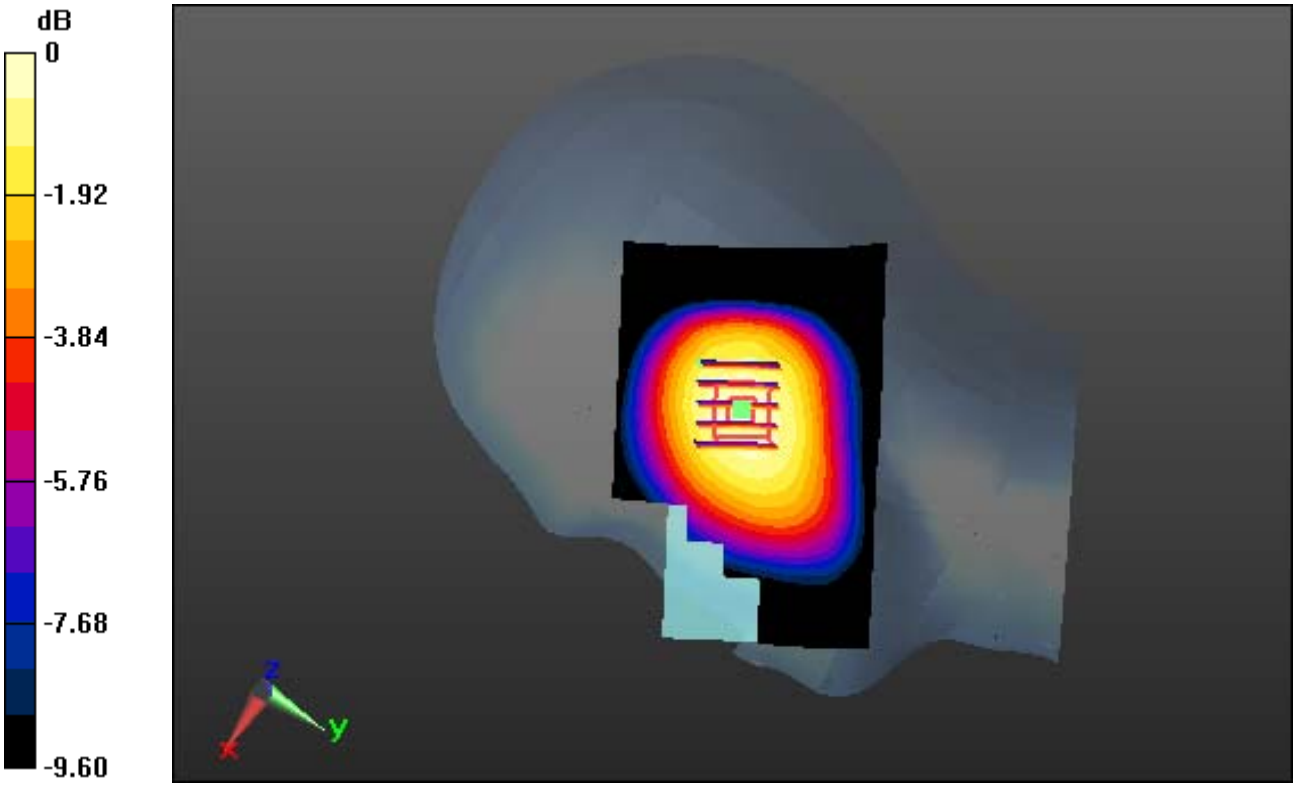
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.294; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x121x1): 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) = 0.373 W/kg
SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.212 W/kg



0 dB = 0.335 W/g

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

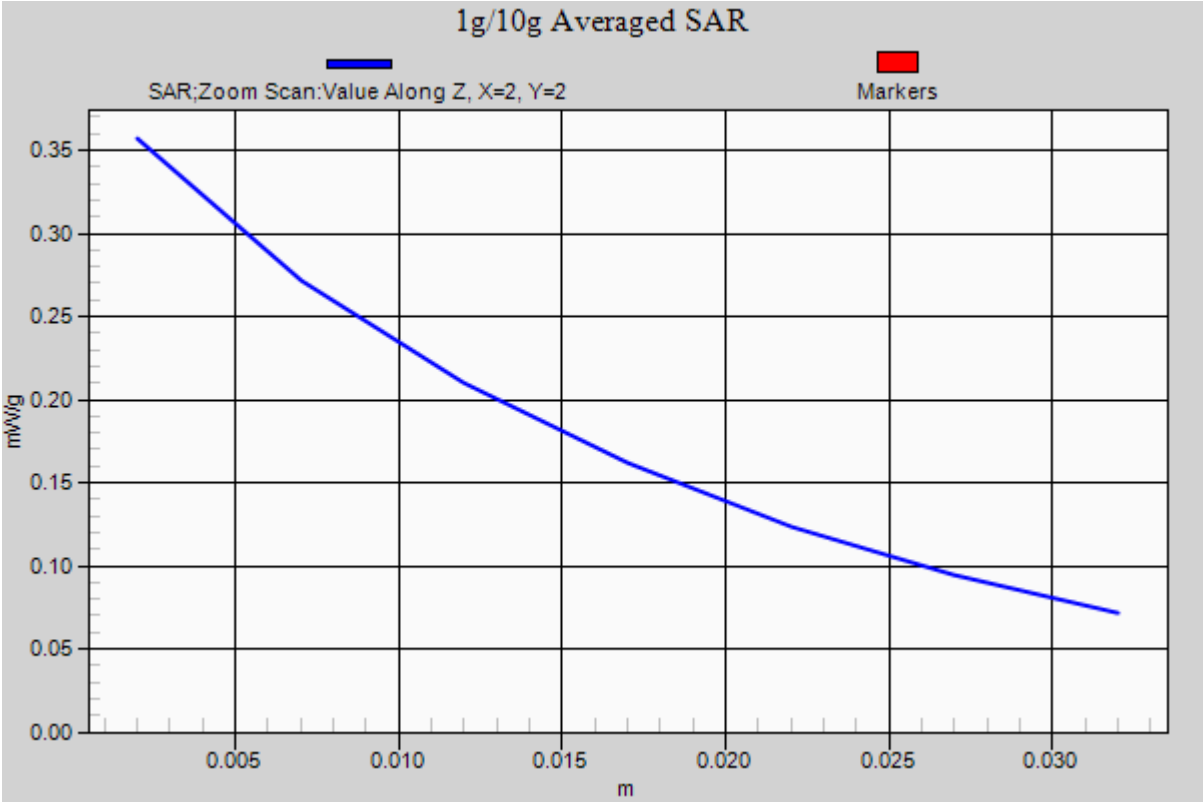
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.926 mho/m; ε_r = 40.294; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x121x1): 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) = 0.404 W/kg
SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.225 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

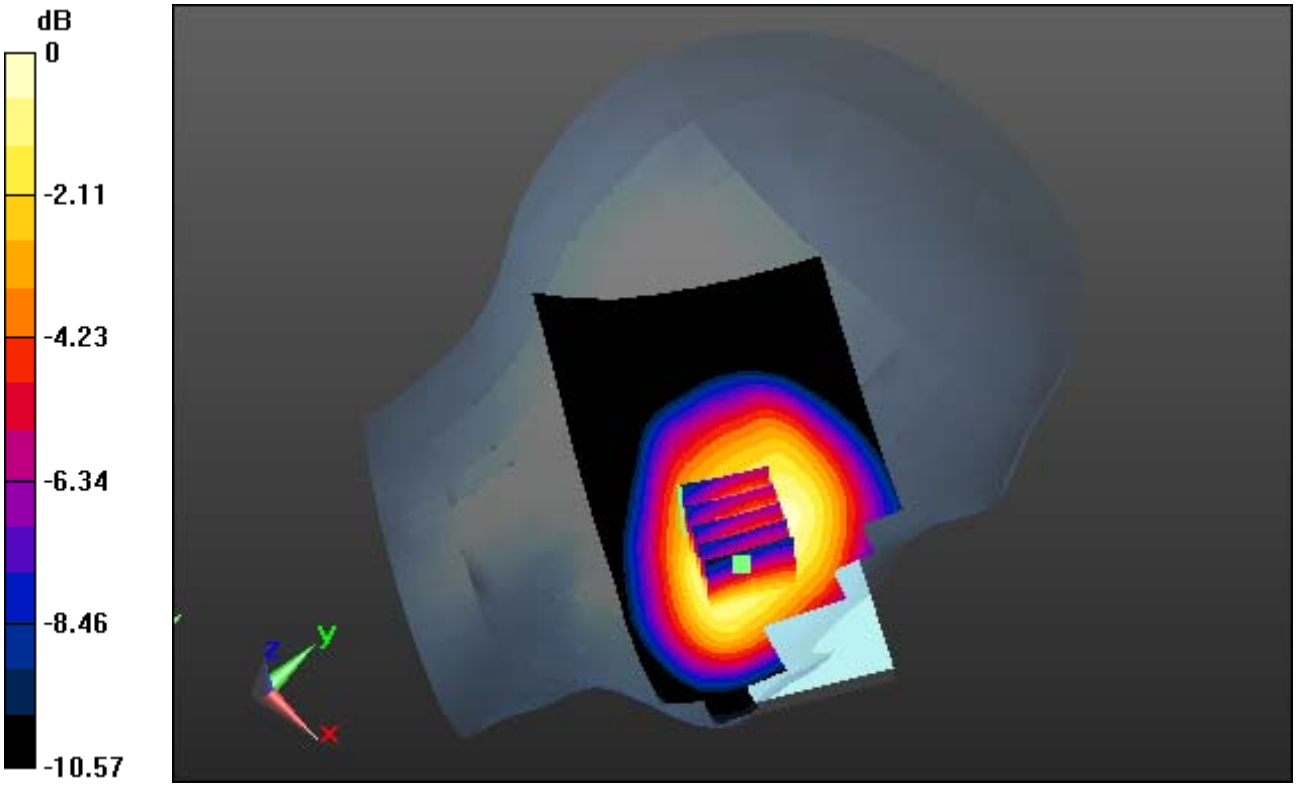
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.89 mho/m; ε_r = 40.348; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp: 21.3

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

Area Scan (71x121x1): 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) = 0.440 W/kg
SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.254 W/kg



0 dB = 0.399 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

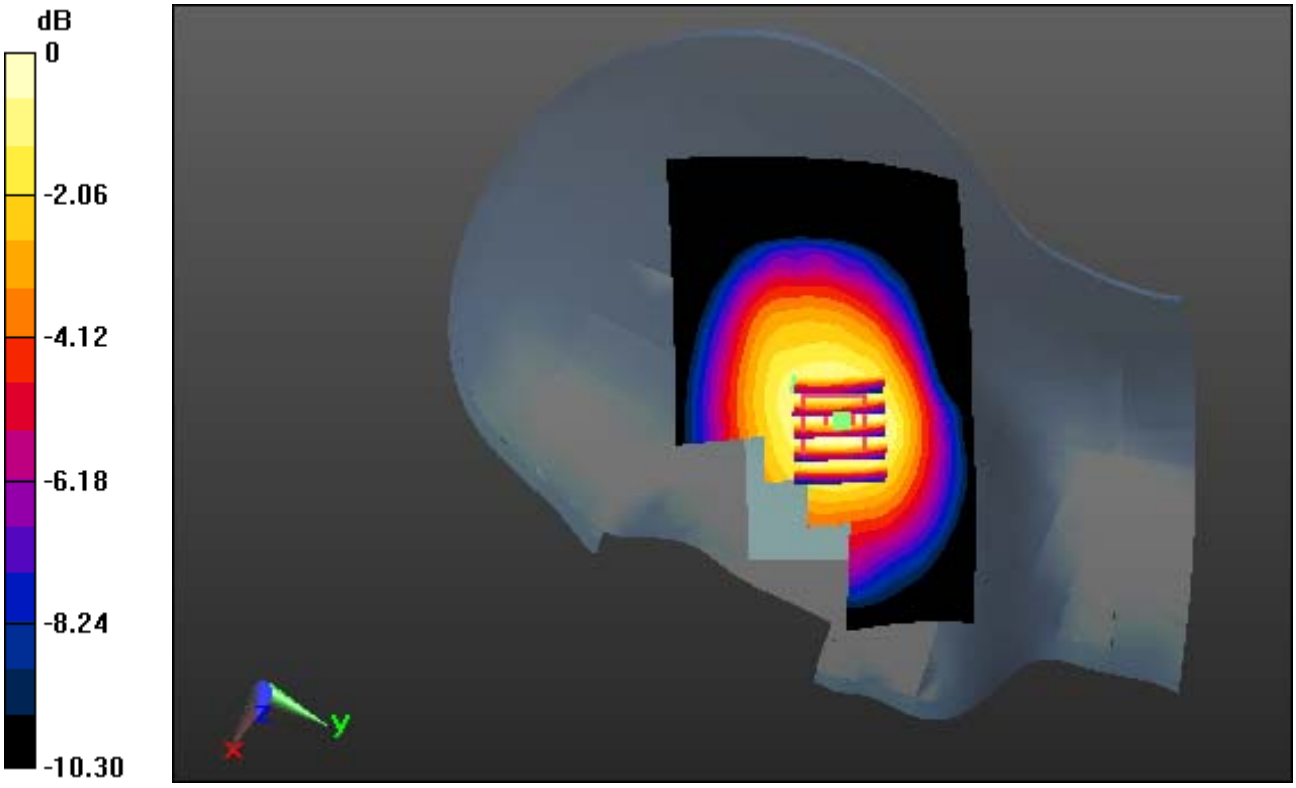
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.89 mho/m; ε_r = 40.348; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp: 21.3

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

Area Scan (71x121x1): 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) = 0.449 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.259 W/kg



0 dB = 0.404 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

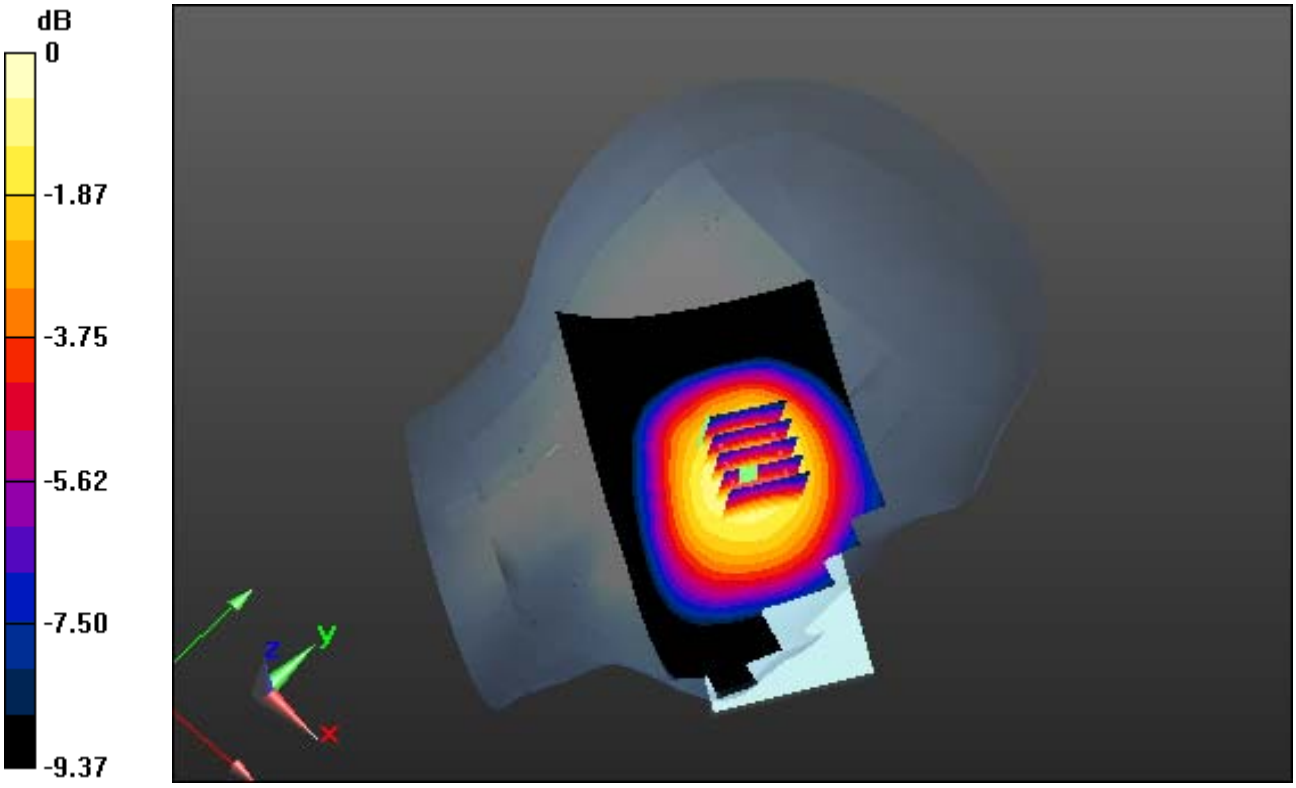
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.89 mho/m; ε_r = 40.348; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp: 21.3

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

Area Scan (71x121x1): 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) = 0.416 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.230 W/kg



0 dB = 0.372 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

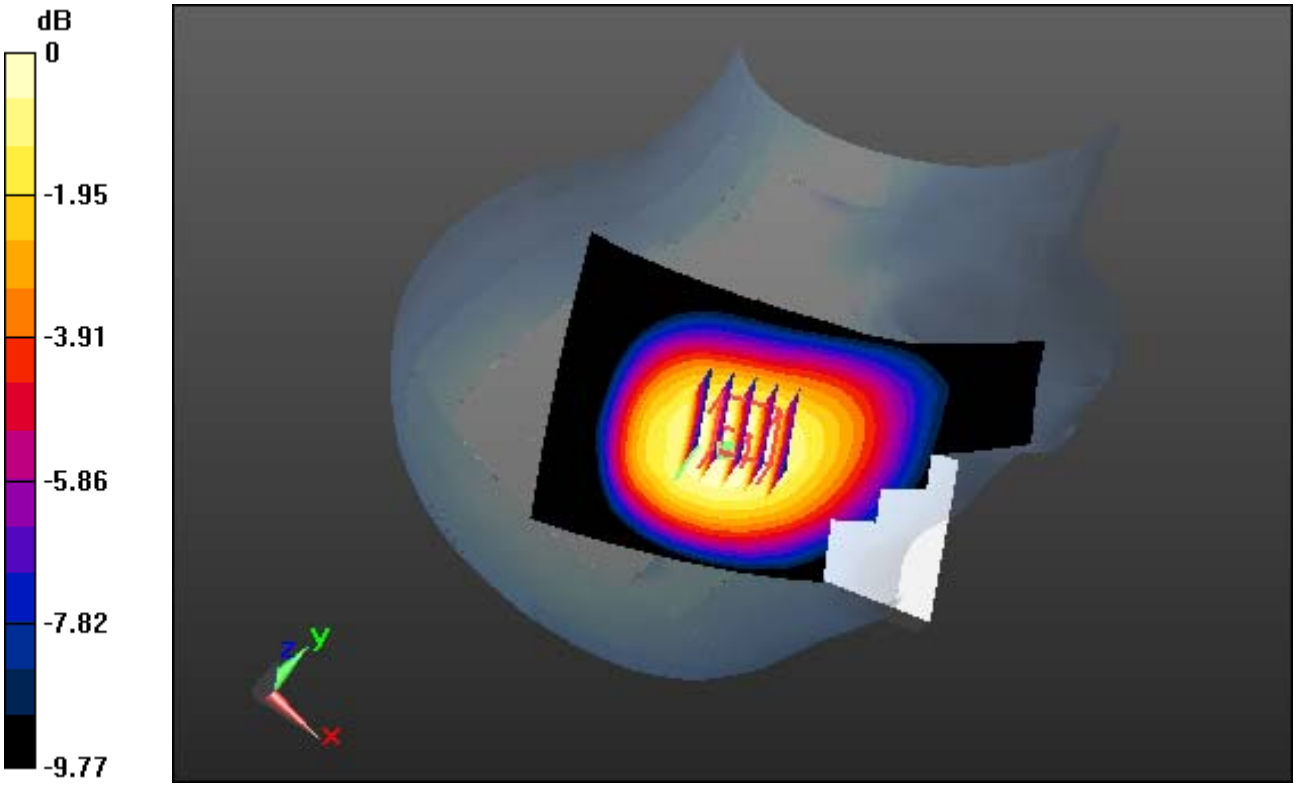
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.89 mho/m; ε_r = 40.348; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp: 21.3

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

Area Scan (71x121x1): 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) = 0.411 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.233 W/kg



0 dB = 0.367 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

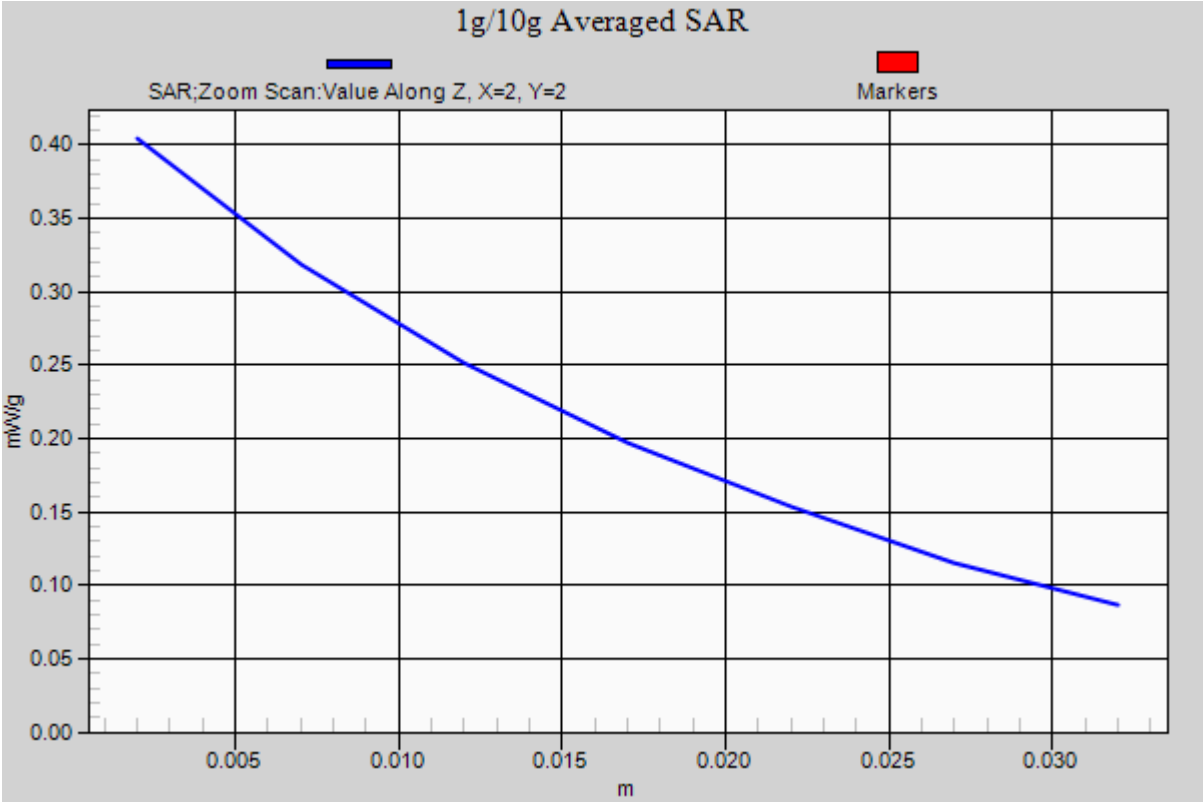
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.89 mho/m; ε_r = 40.348; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.06, 10.06, 10.06); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp: 21.3

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

Area Scan (71x121x1): 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) = 0.449 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.259 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

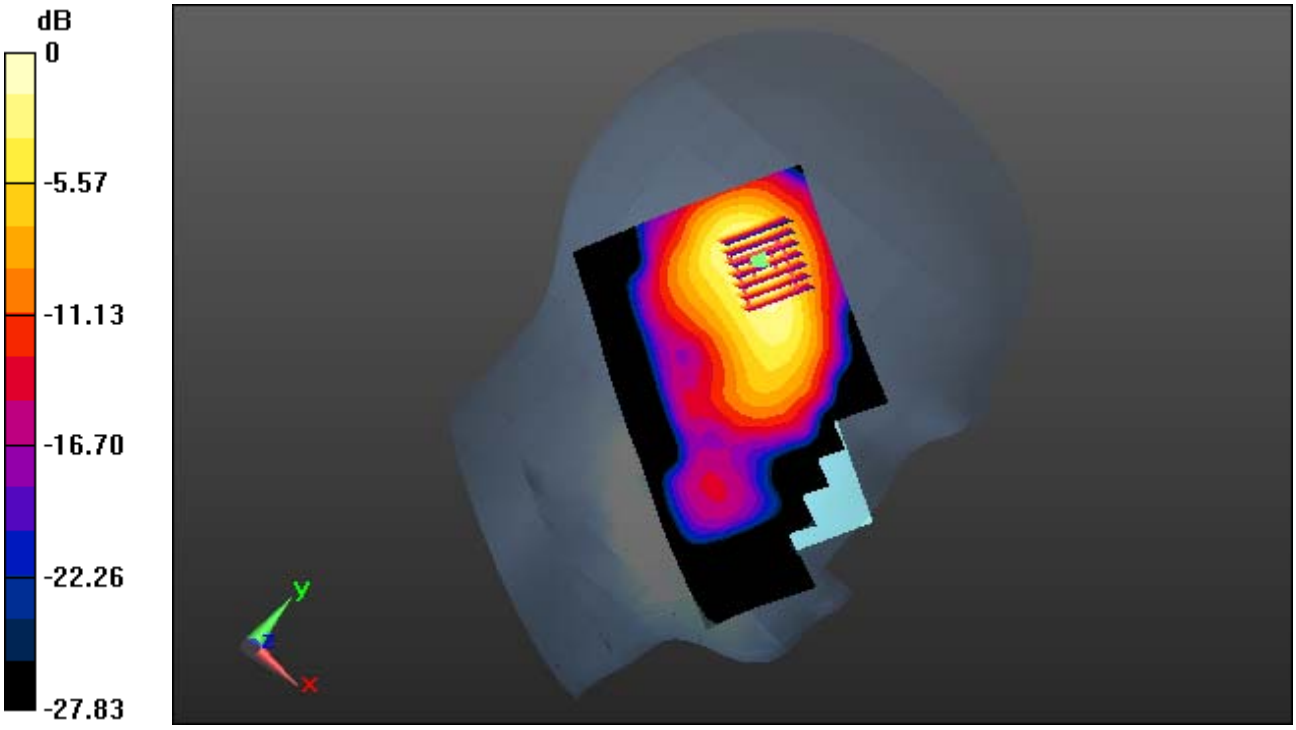
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.764 S/m; ε_r = 38.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp: 21.9

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

Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.848 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.207 W/kg



0 dB = 0.627 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

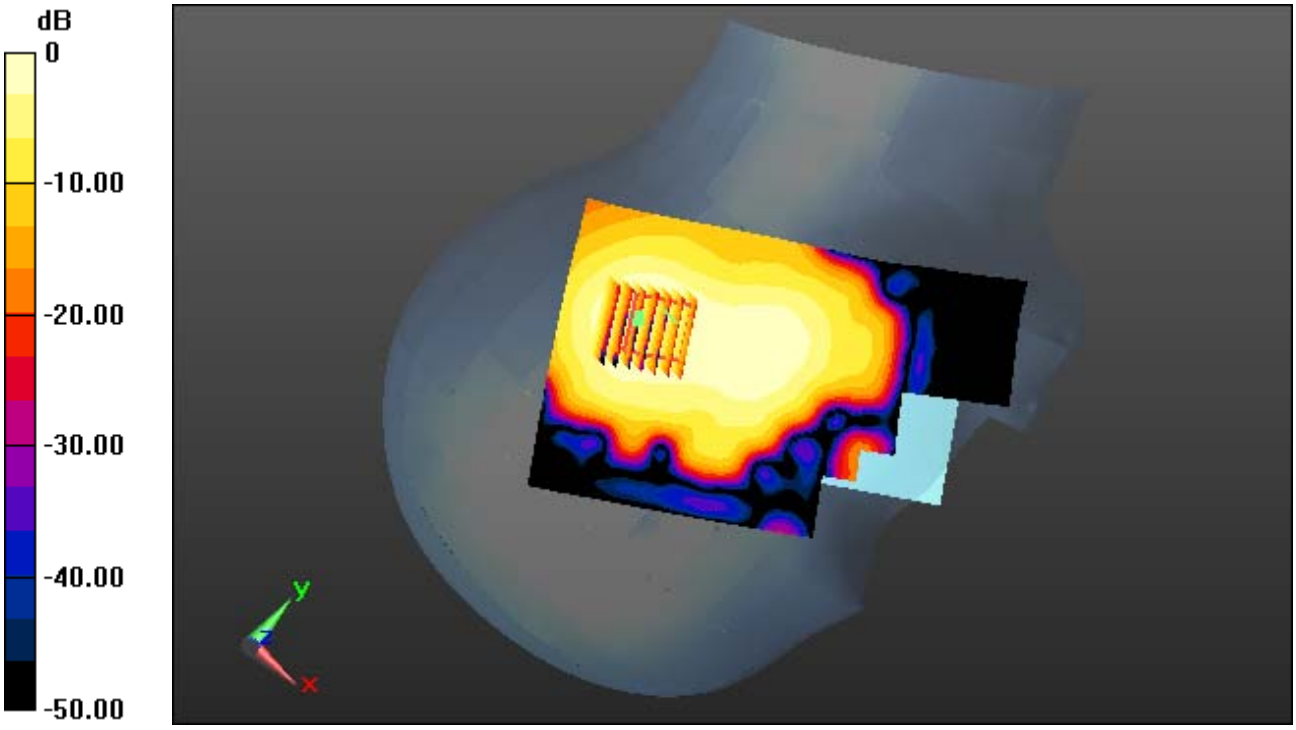
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.764 S/m; ε_r = 38.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp: 21.9

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

Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.314 W/kg
SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.089 W/kg



0 dB = 0.235 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

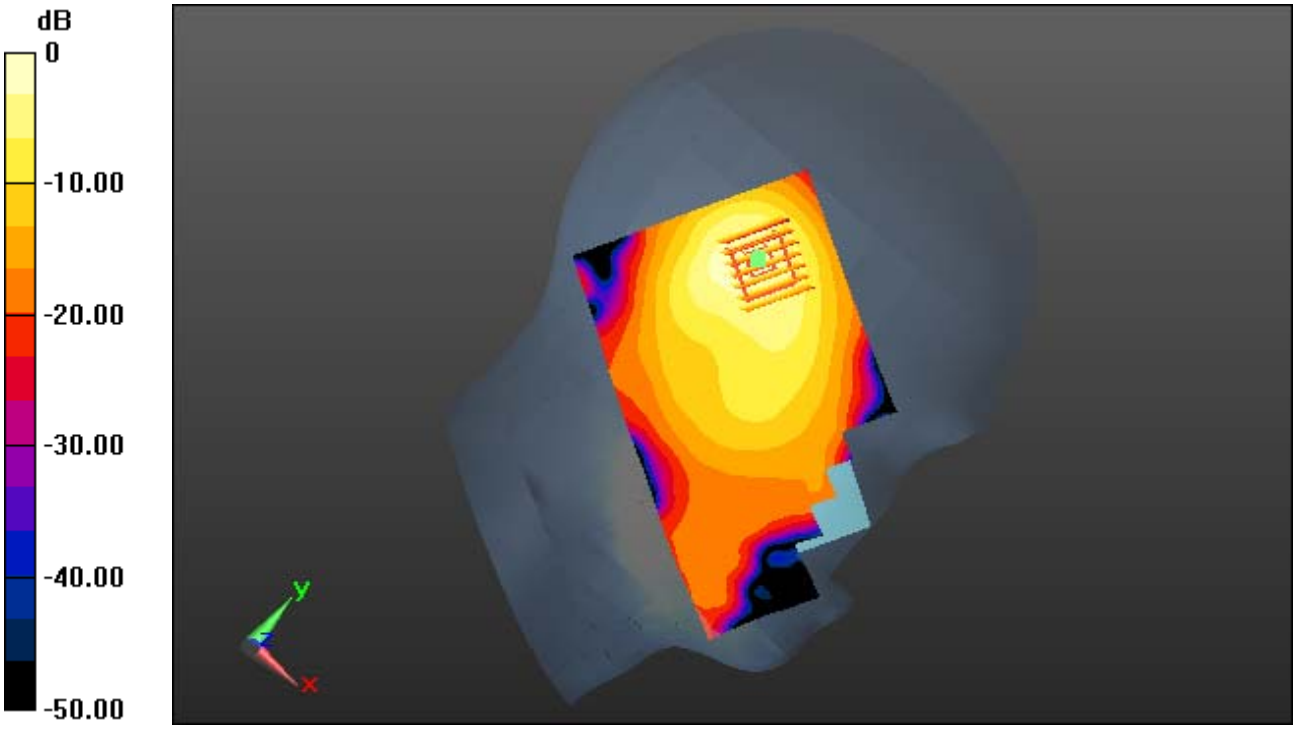
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.764 S/m; ε_r = 38.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp: 21.9

Left Tilt, W-LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.649 W/kg
SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.152 W/kg



0 dB = 0.446 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

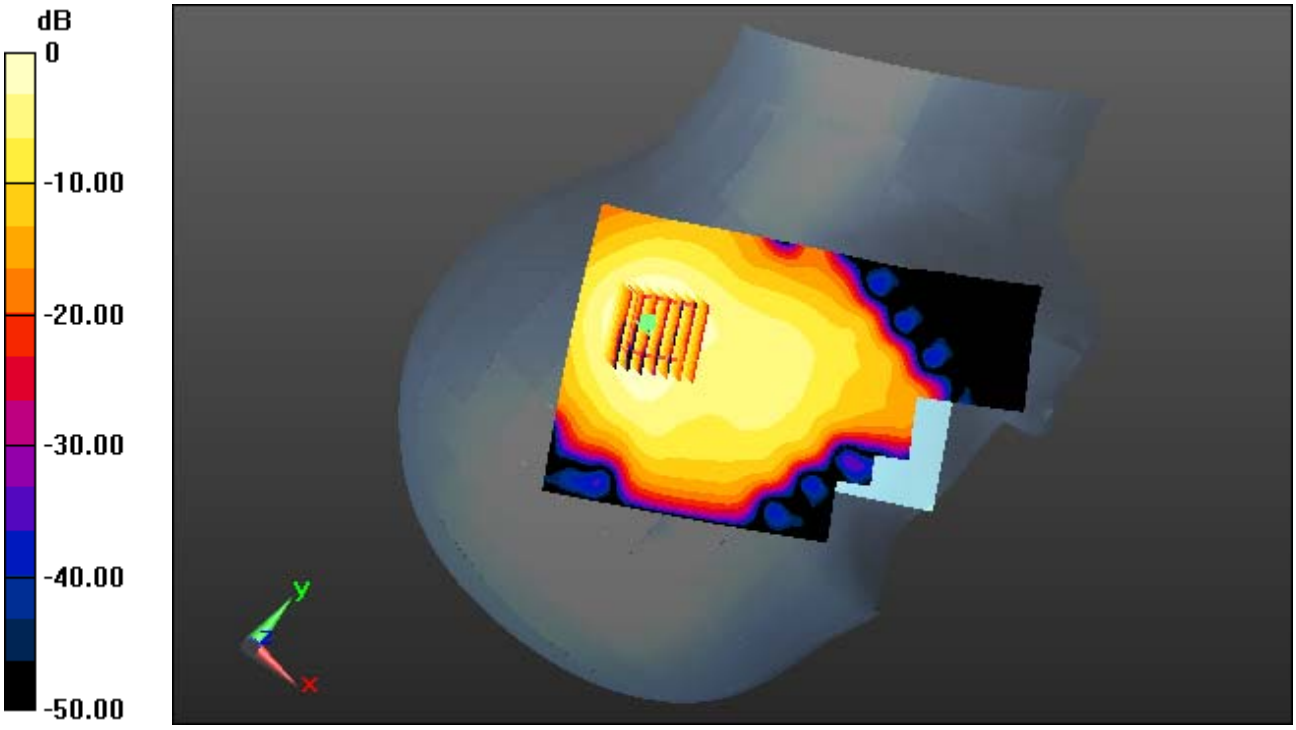
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.764 S/m; ε_r = 38.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp: 21.9

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

Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.073 W/kg



0 dB = 0.207 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

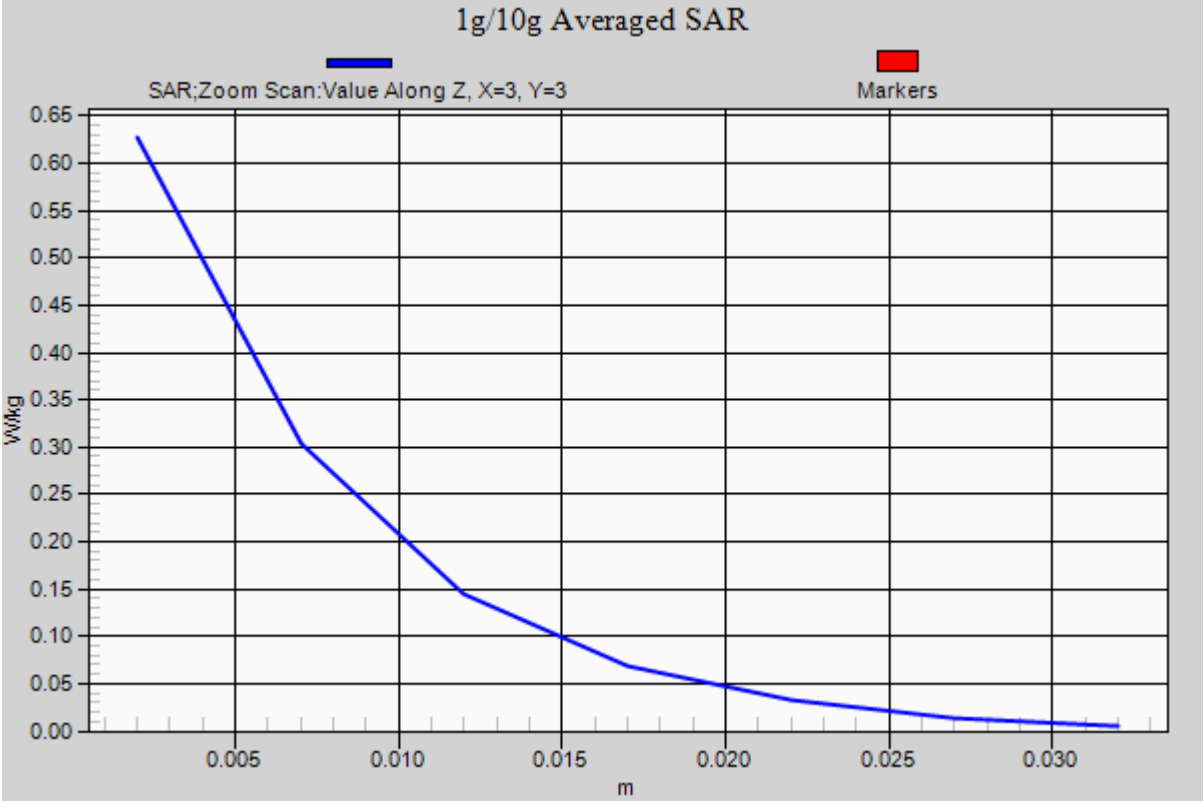
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.764 S/m; ε_r = 38.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.44, 7.44, 7.44); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp: 21.9

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

Area Scan (91x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.848 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.207 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

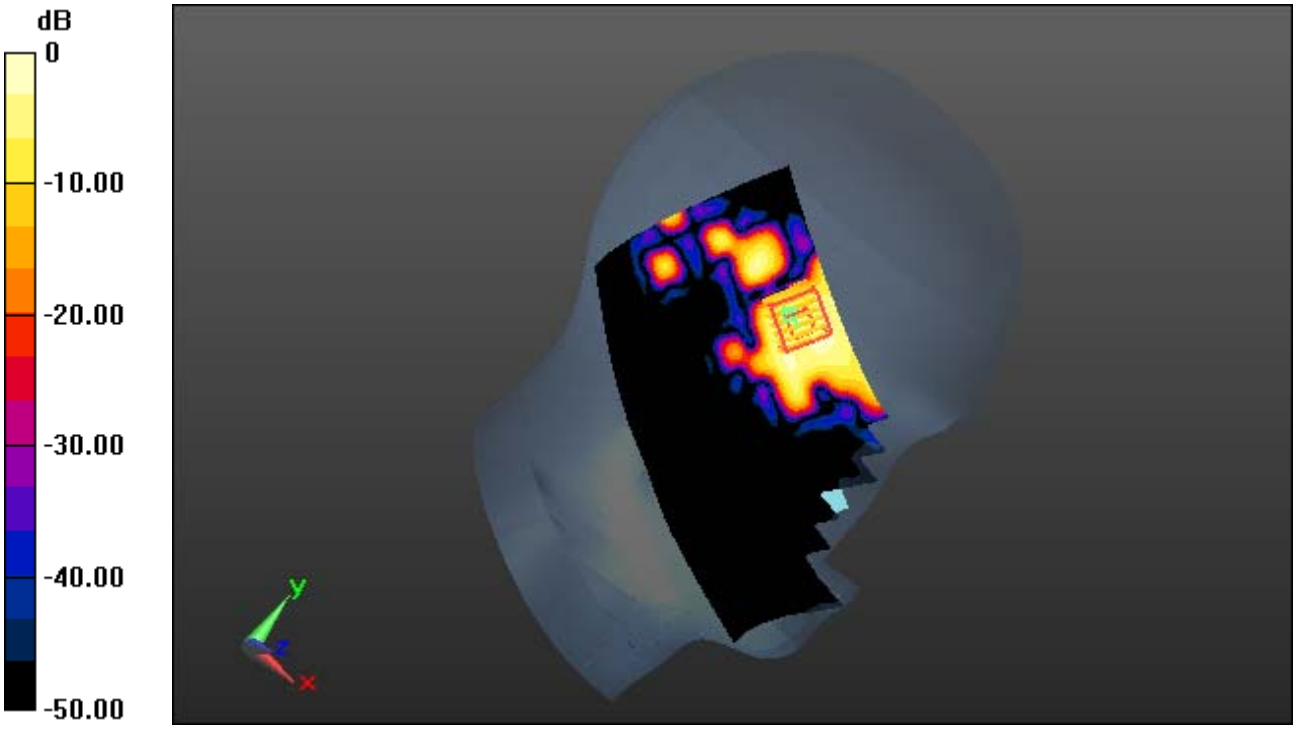
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x181x1): Interpolated 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) = 0.227 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.018 W/kg



0 dB = 0.120 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

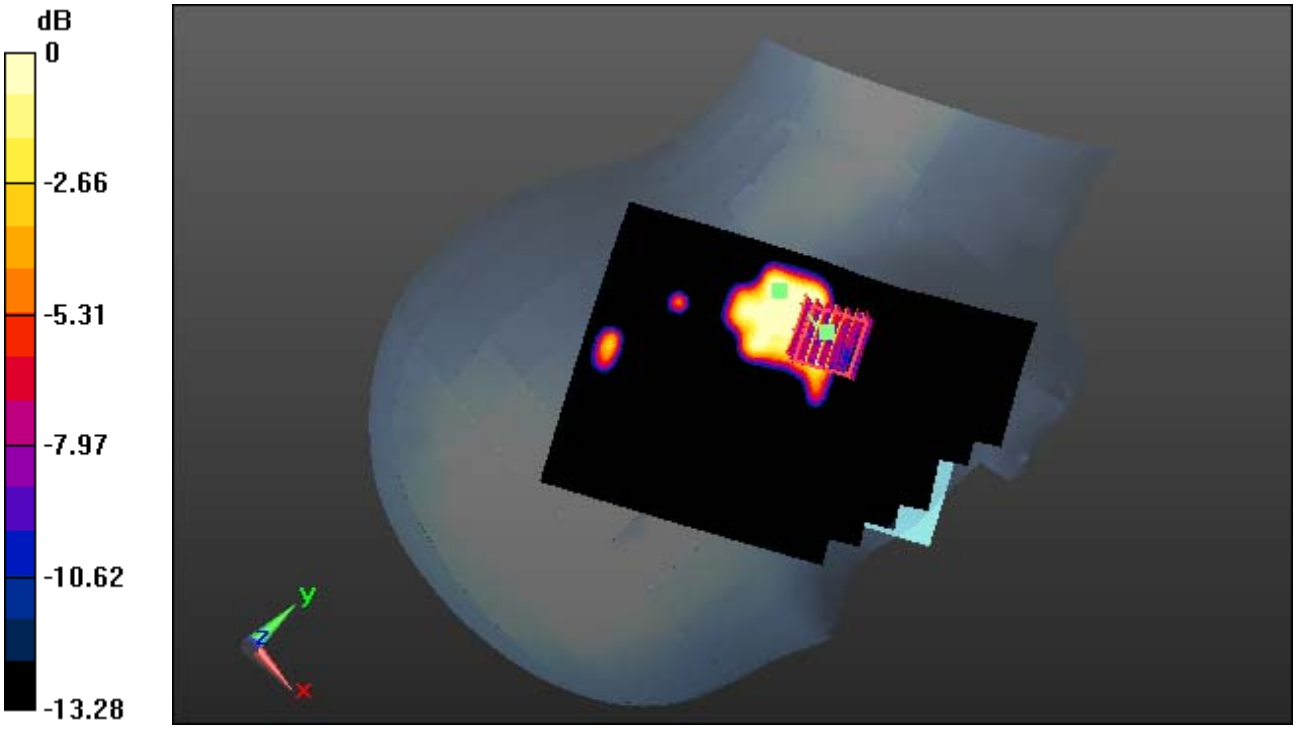
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x161x1): Interpolated 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) = 0.105 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg



0 dB = 0.0623 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

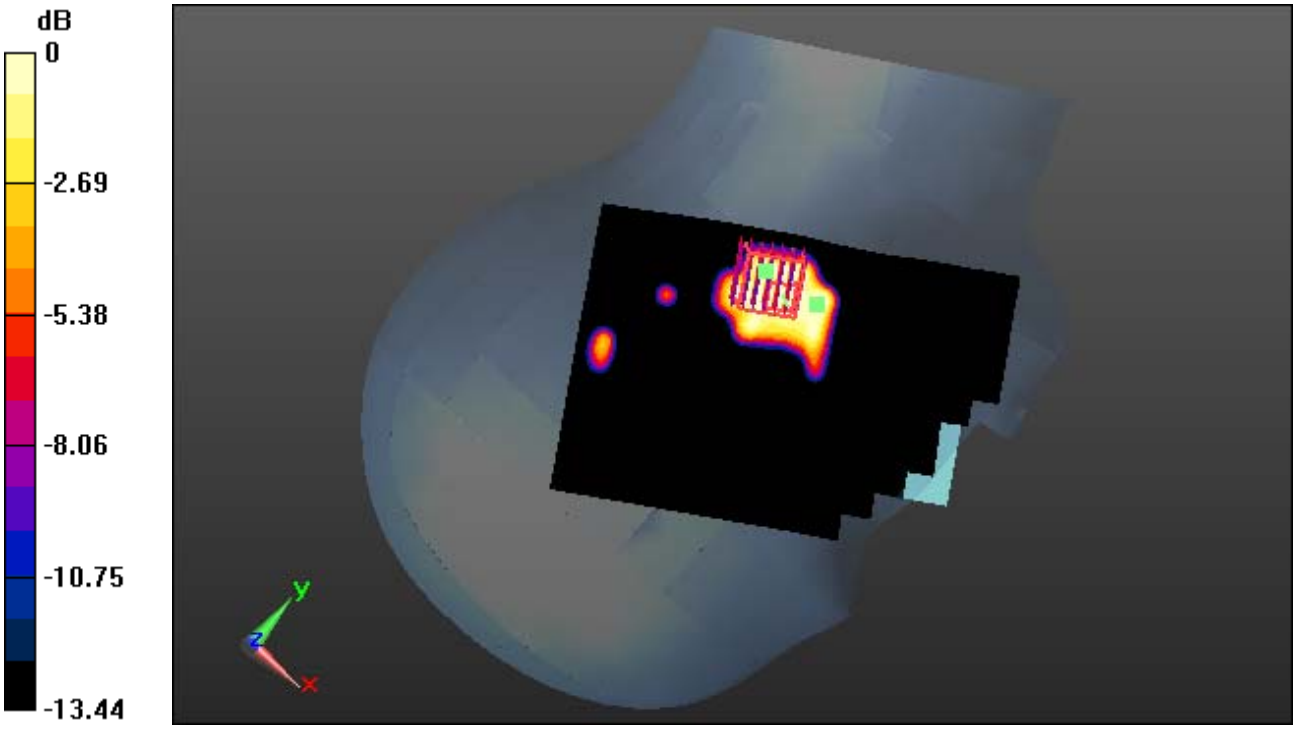
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x161x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.018 W/kg



0 dB = 0.0663 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

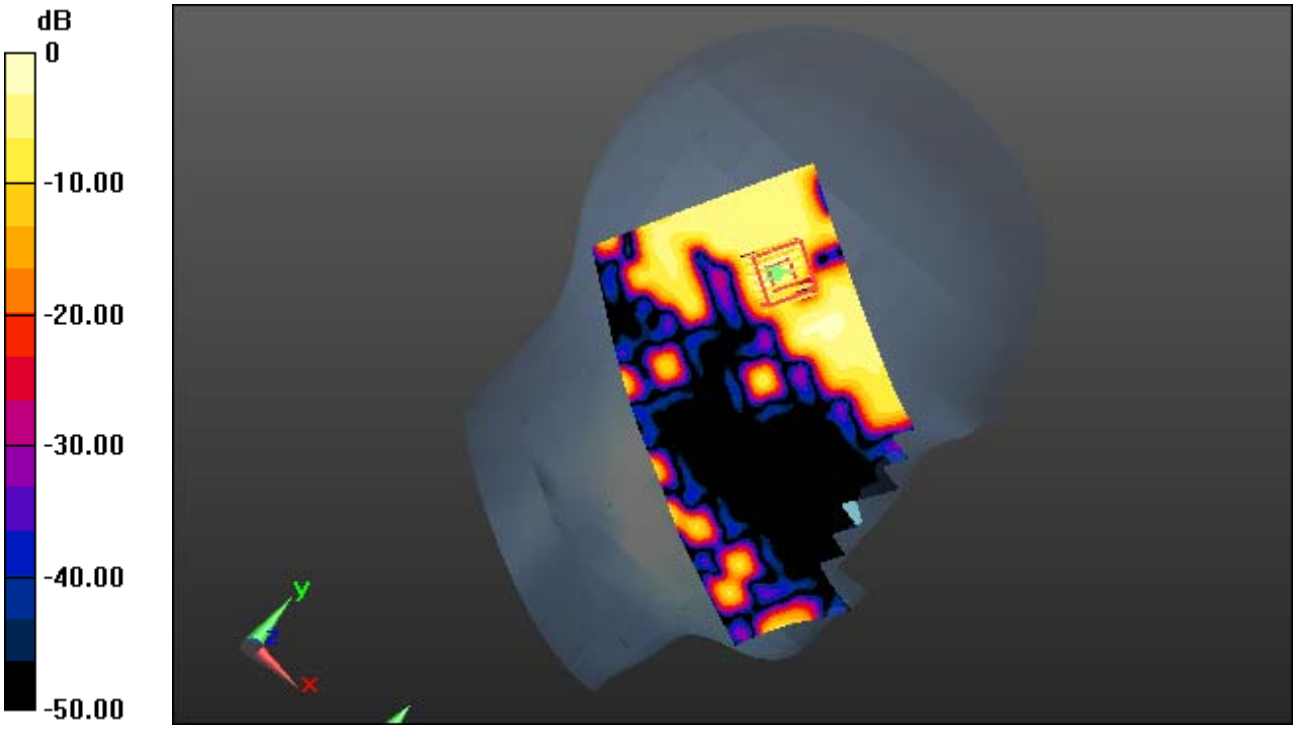
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x181x1): Interpolated 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) = 0.188 W/kg
SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.0071 W/kg



0 dB = 0.0665 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

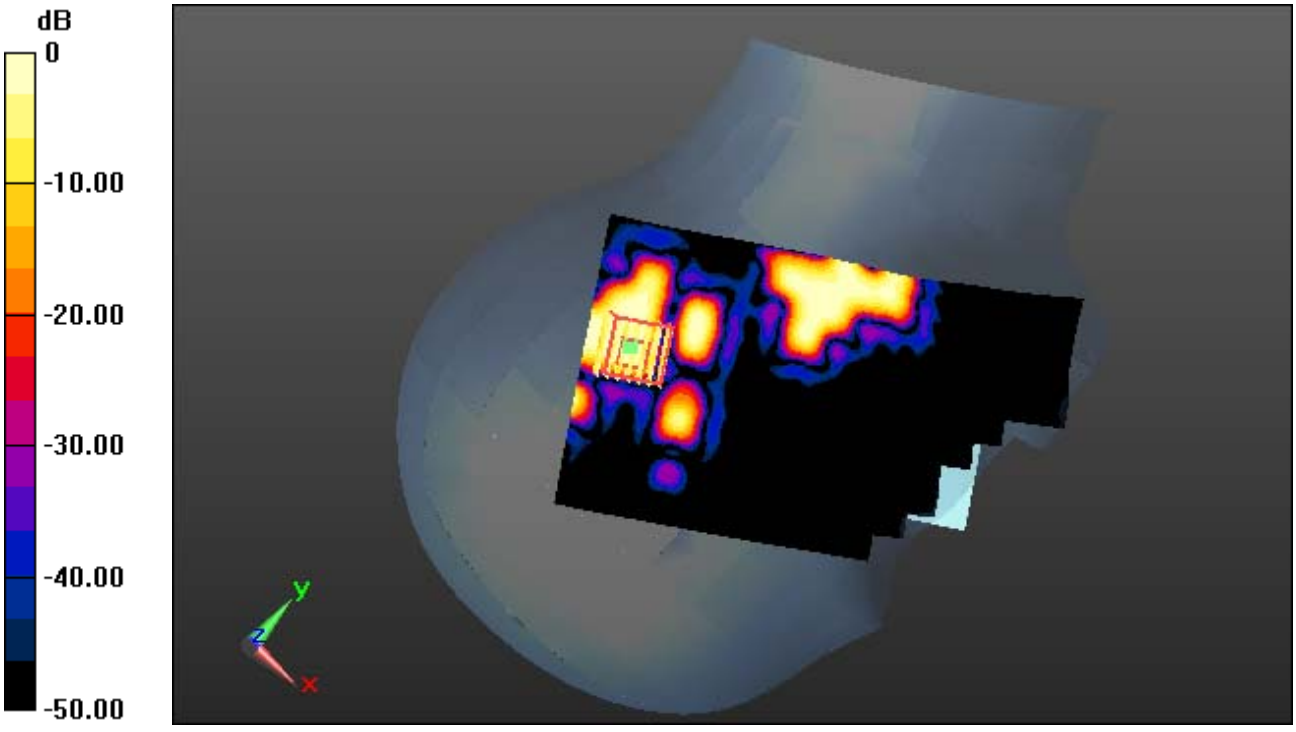
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x181x1): Interpolated 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) = 0.129 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00435 W/kg



0 dB = 0.0340 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

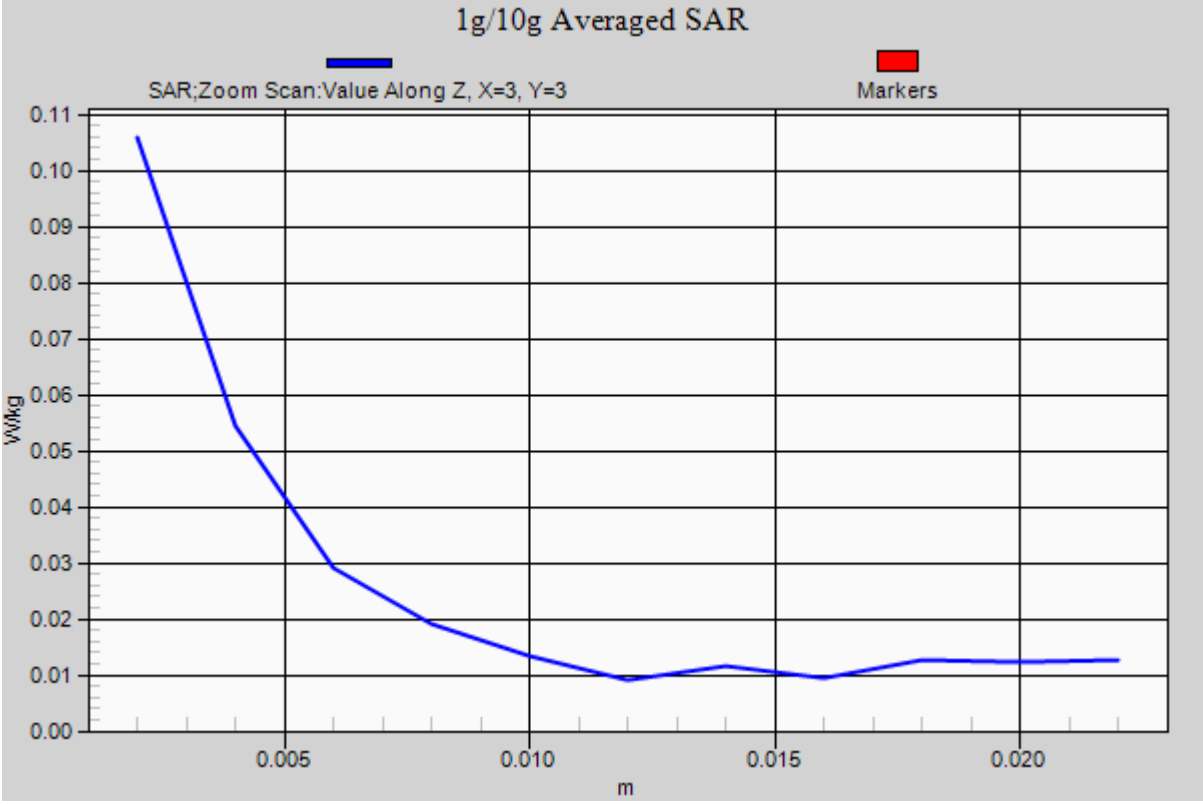
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 4.796 S/m; ε_r = 35.622; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.28, 5.28, 5.28); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

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

Area Scan (111x181x1): Interpolated 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) = 0.227 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.018 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

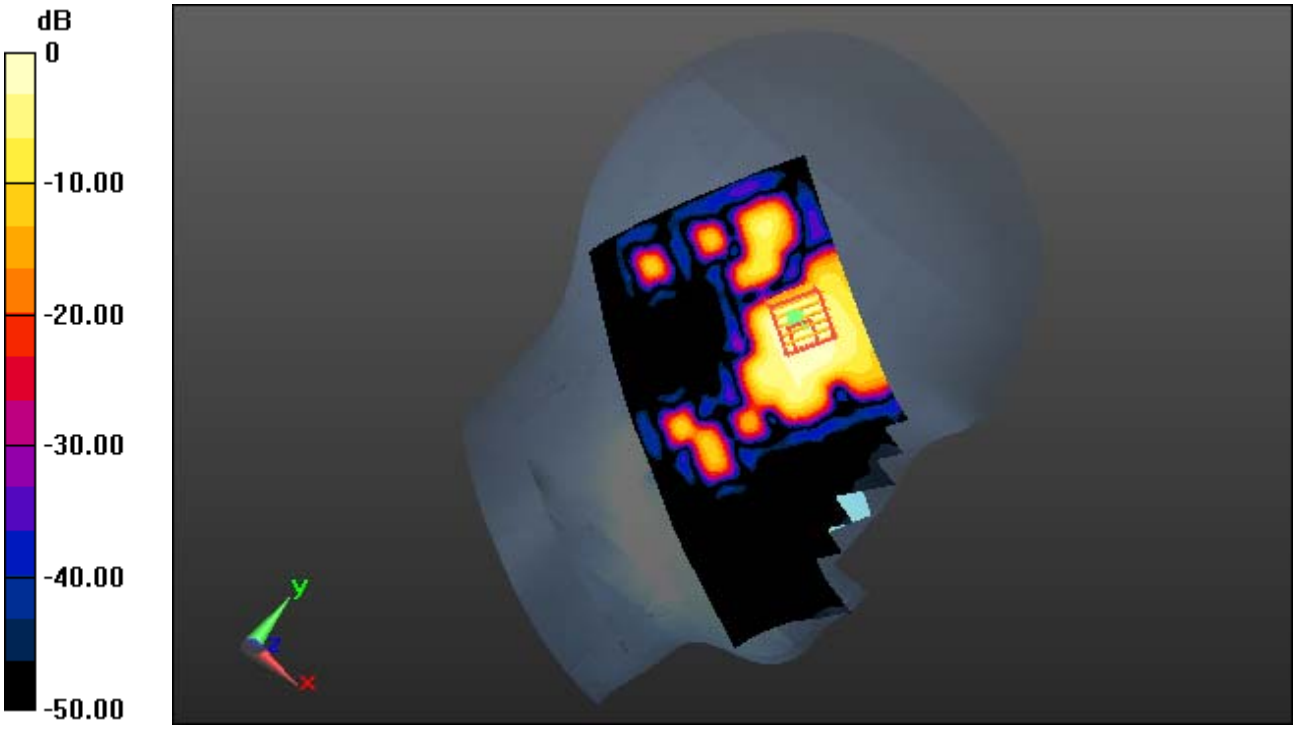
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Touch, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.615 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.047 W/kg



0 dB = 0.253 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

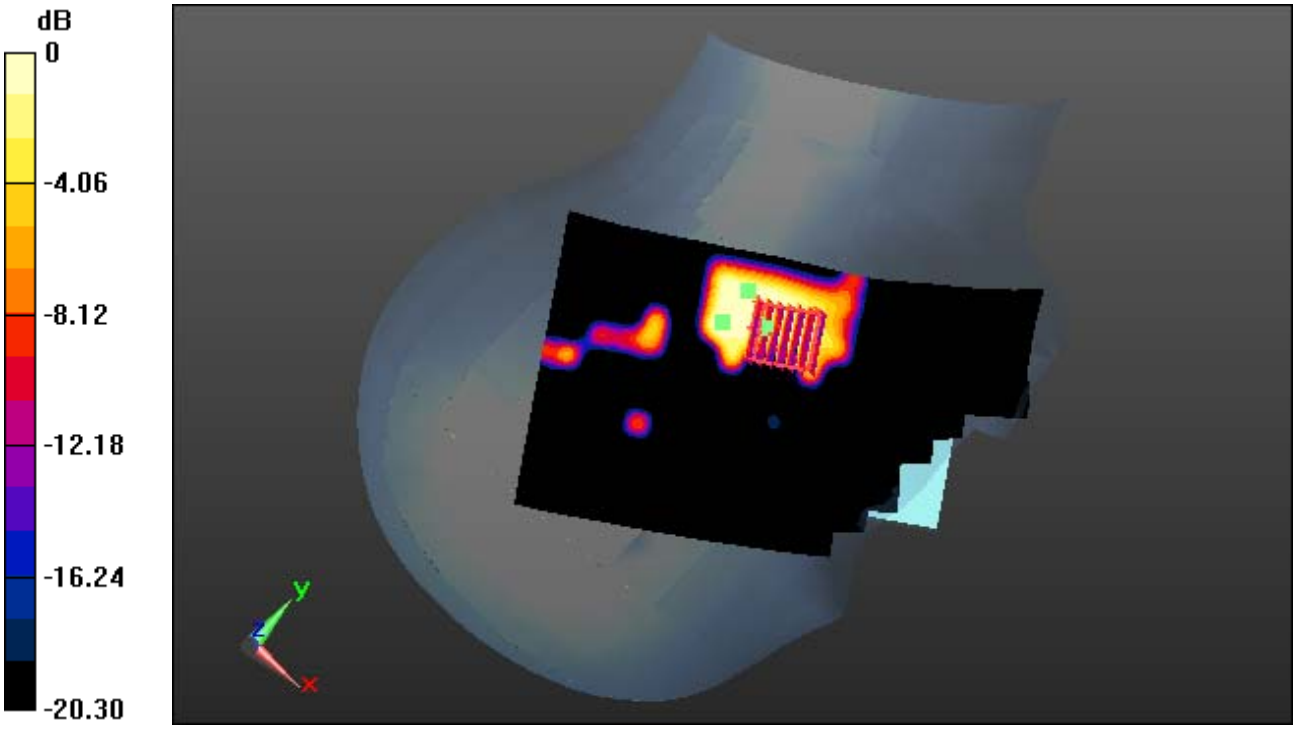
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Touch, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.330 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.034 W/kg



0 dB = 0.146 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

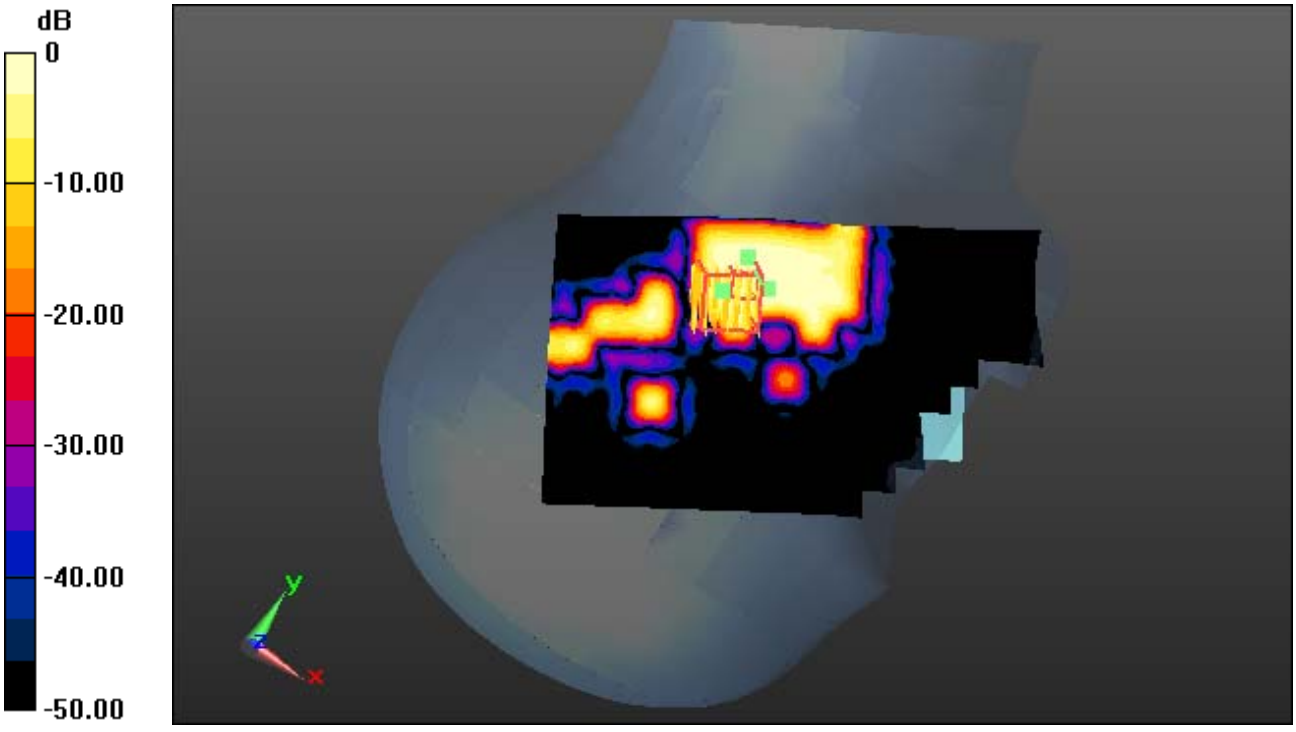
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Touch, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.016 W/kg



0 dB = 0.0848 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

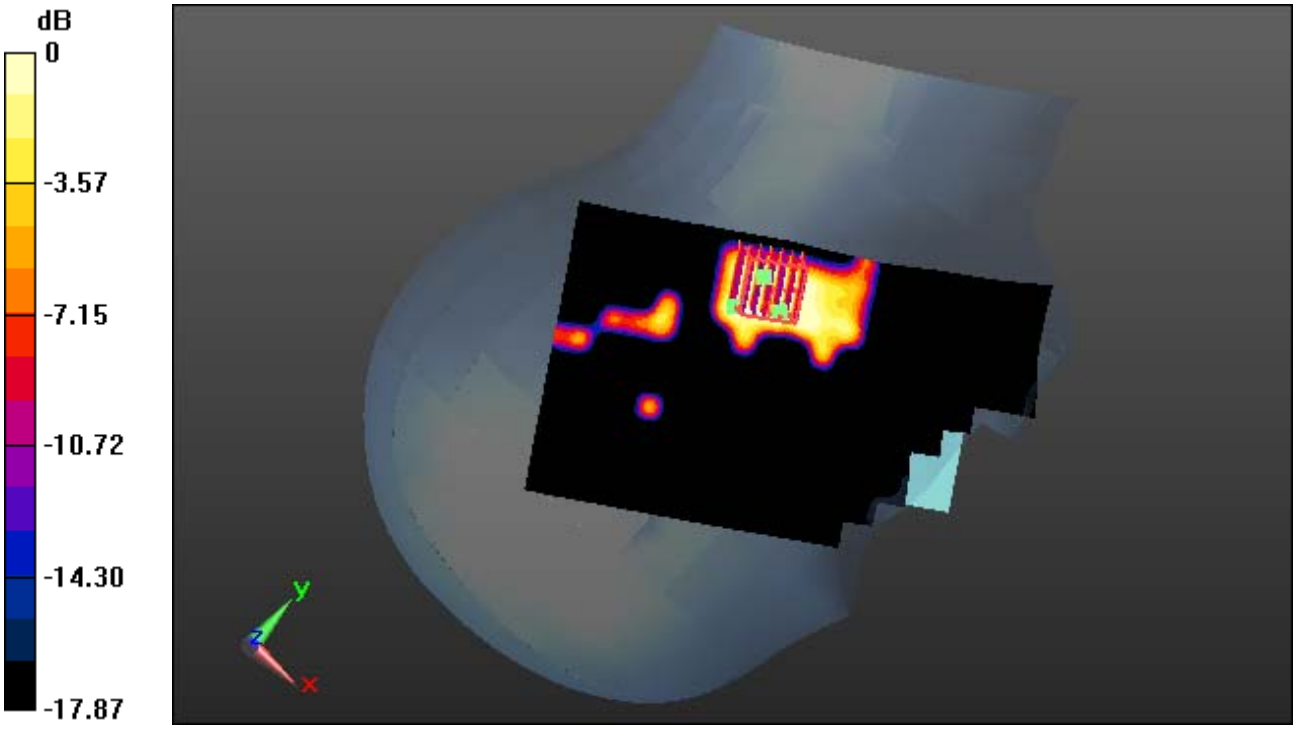
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Touch, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.193 W/kg
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.023 W/kg



0 dB = 0.0910 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

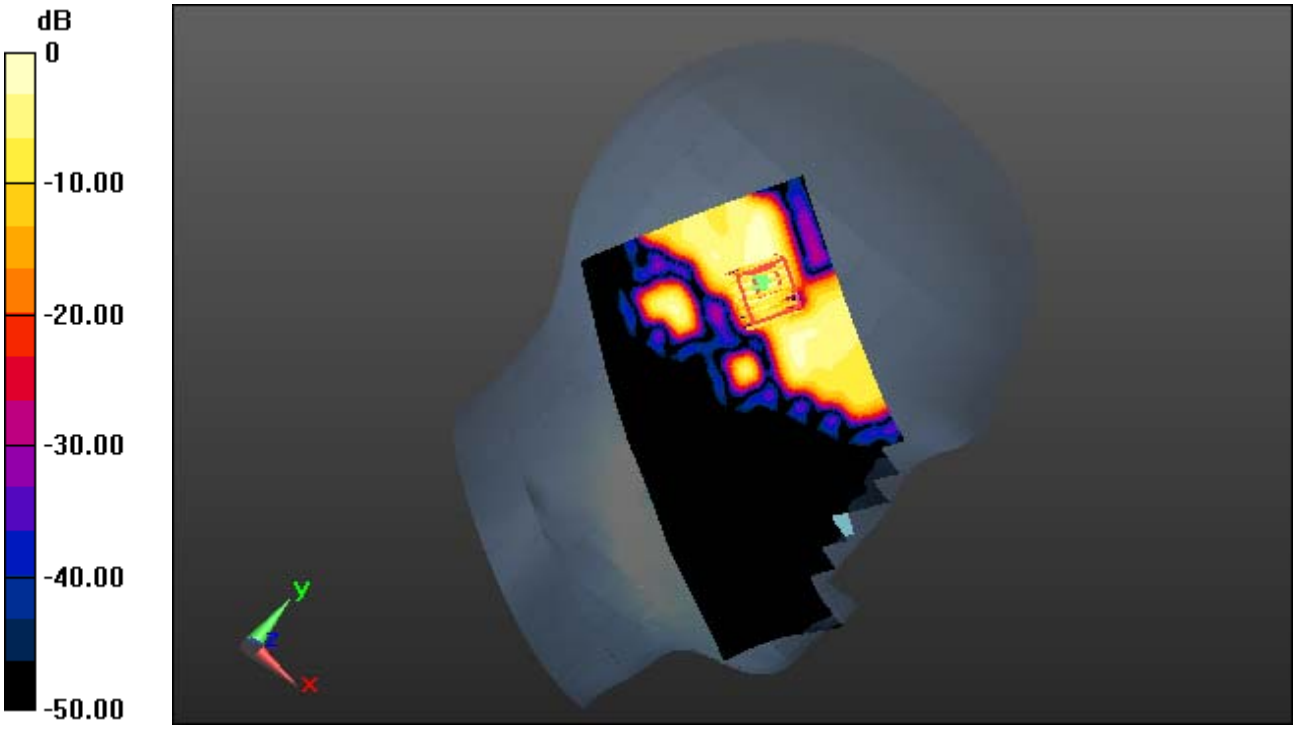
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Tilt, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.198 W/kg
SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.013 W/kg



0 dB = 0.0990 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

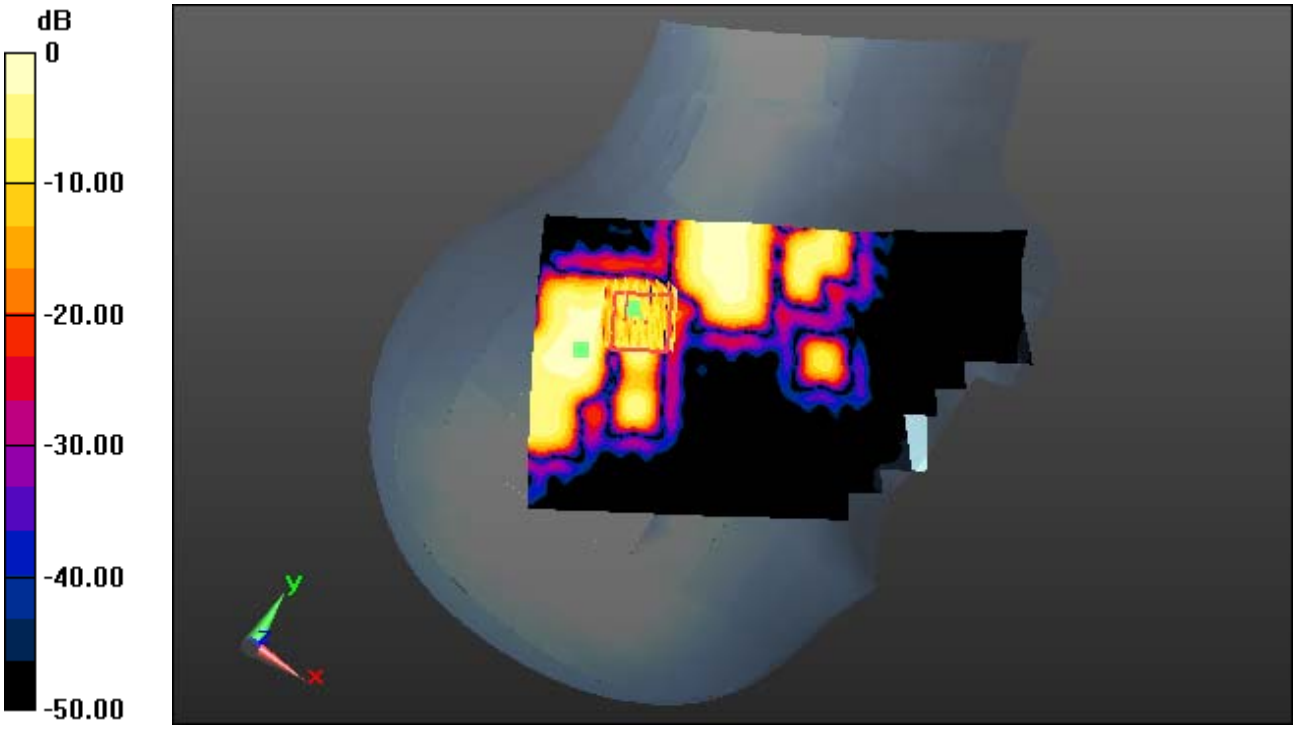
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Tilt, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.124 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00659 W/kg



0 dB = 0.0500 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

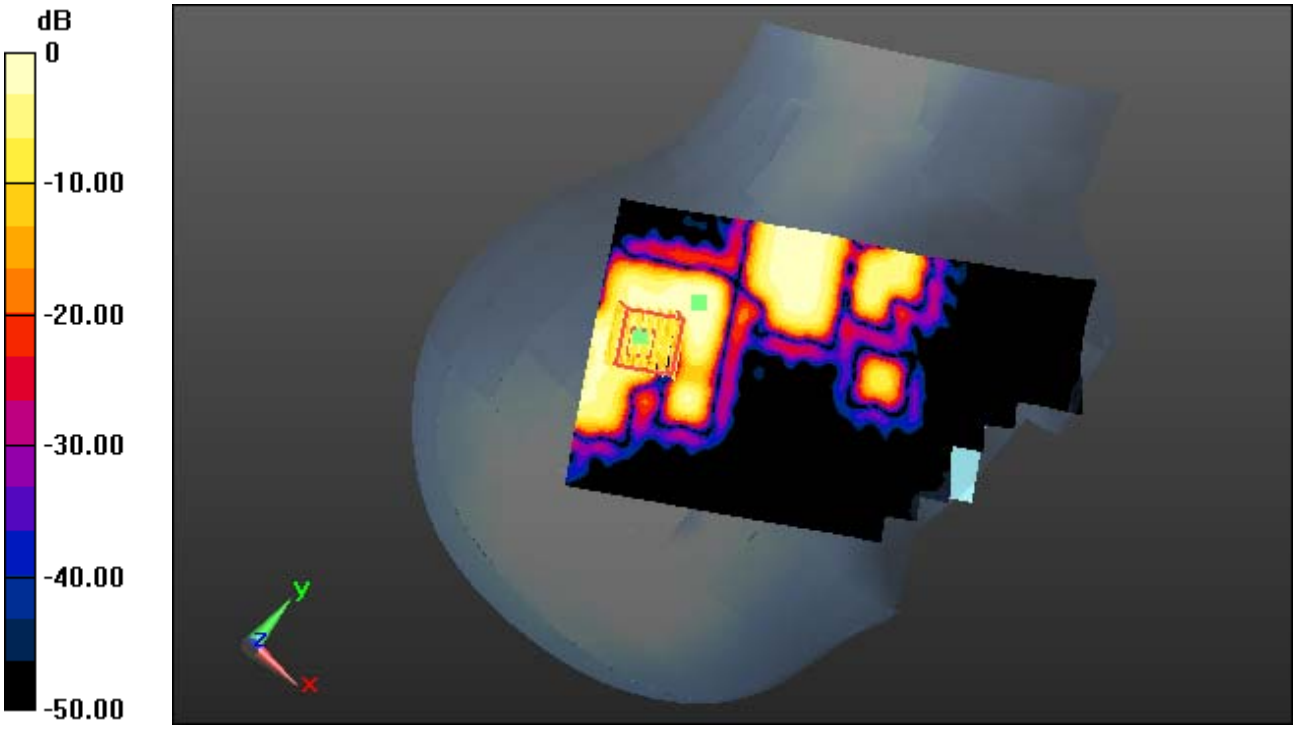
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Tilt, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00584 W/kg



0 dB = 0.0435 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

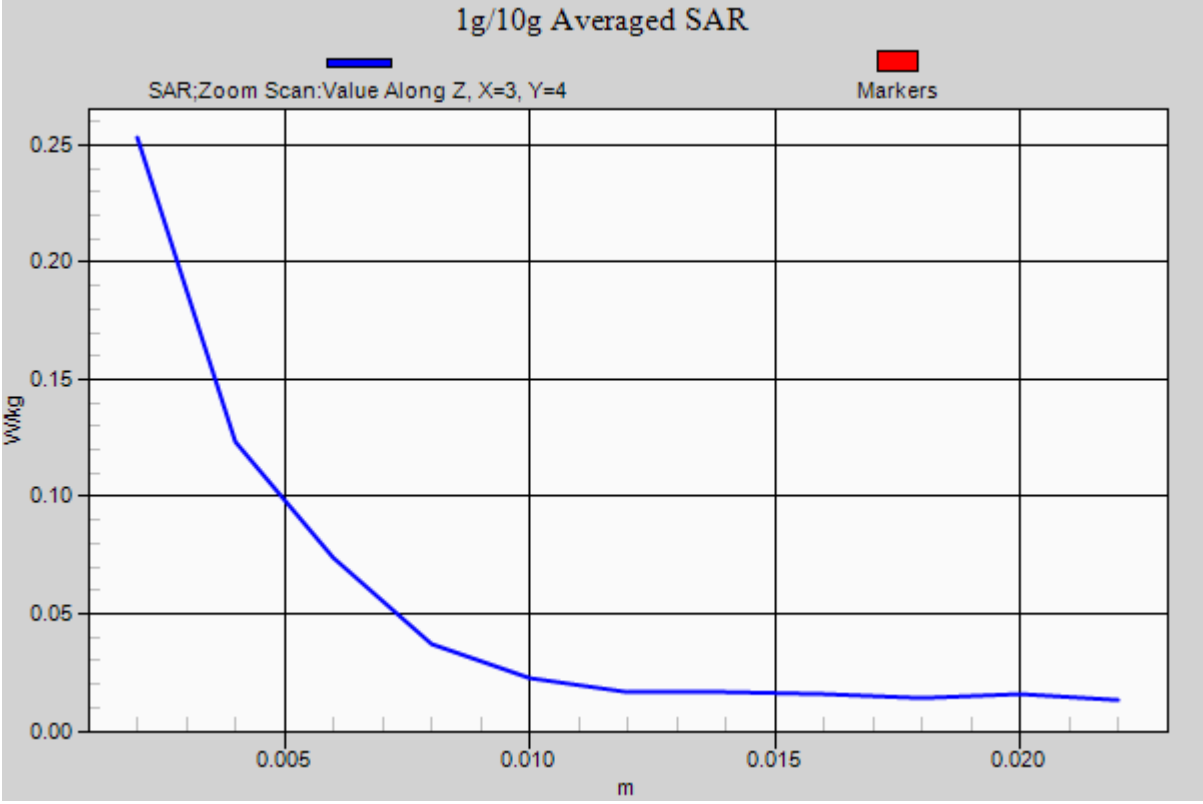
Communication System: W-LAN_5300; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.839 S/m; ε_r = 35.525; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Touch, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.615 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.047 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

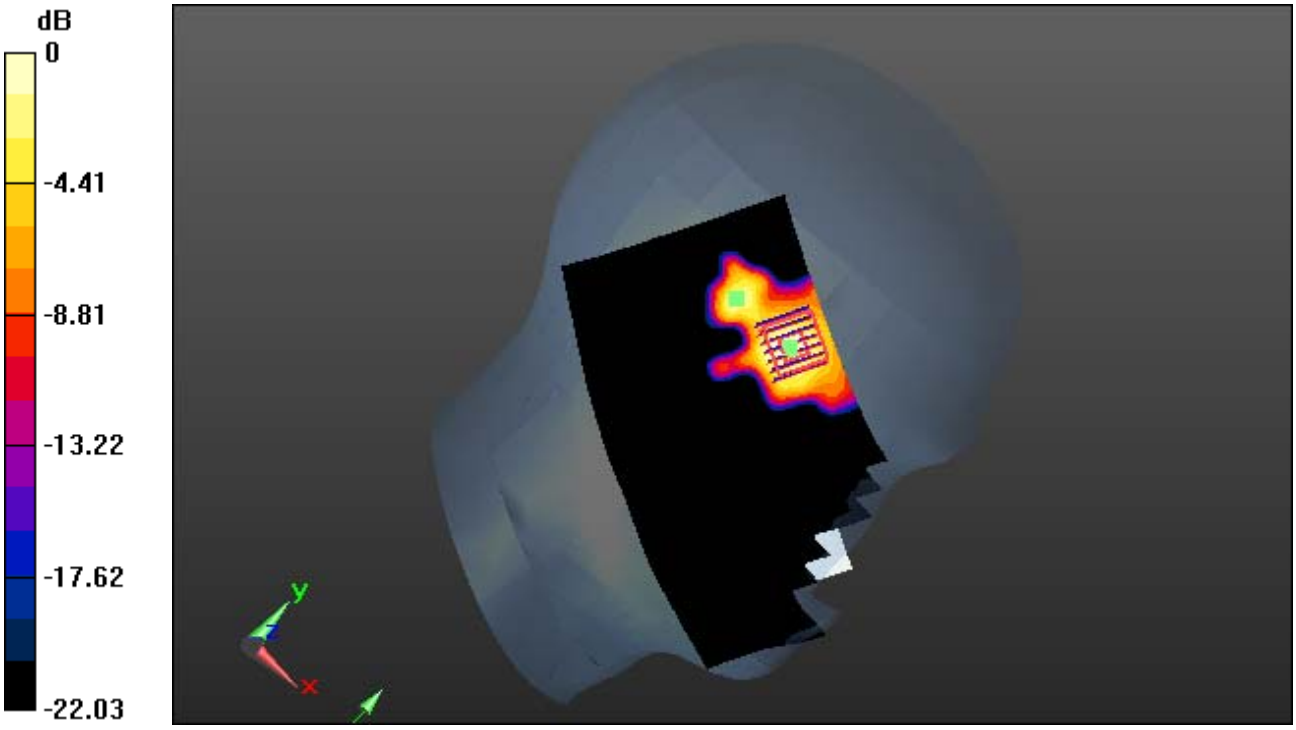
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Touch, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.709 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.056 W/kg



0 dB = 0.295 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

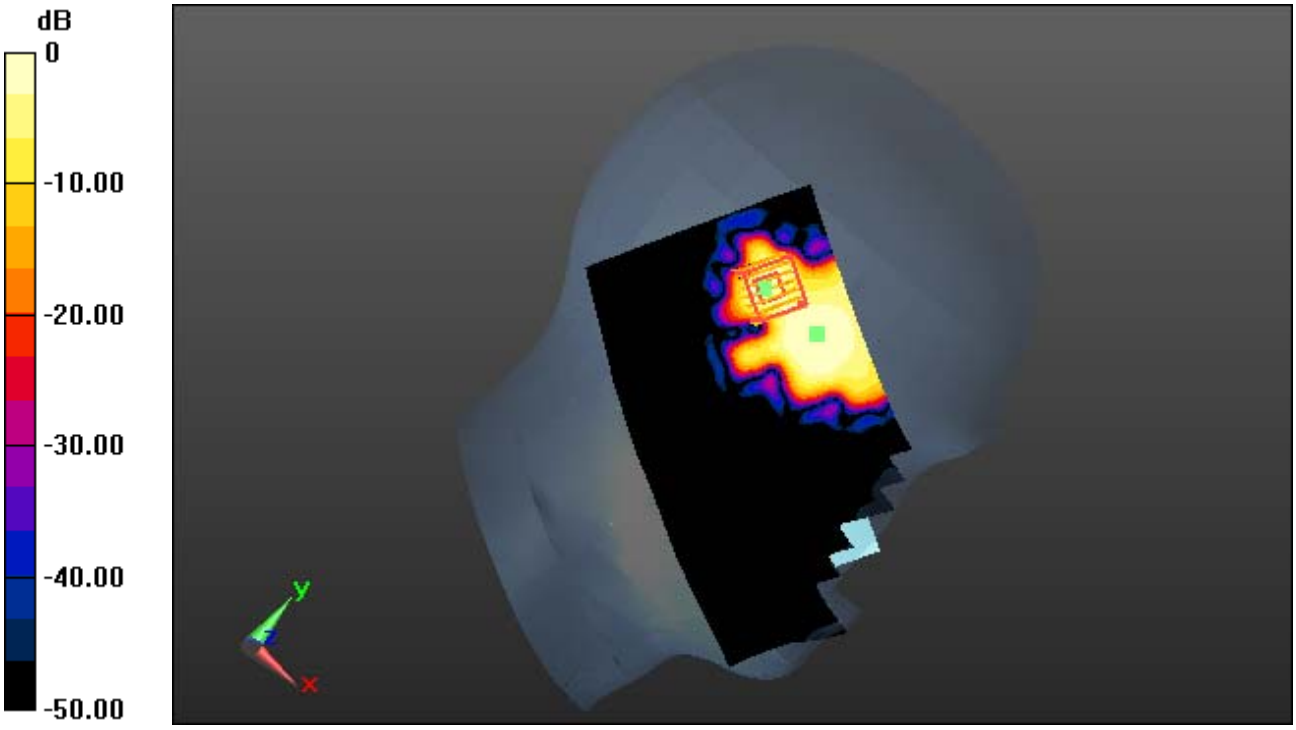
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Touch, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.024 W/kg



0 dB = 0.204 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

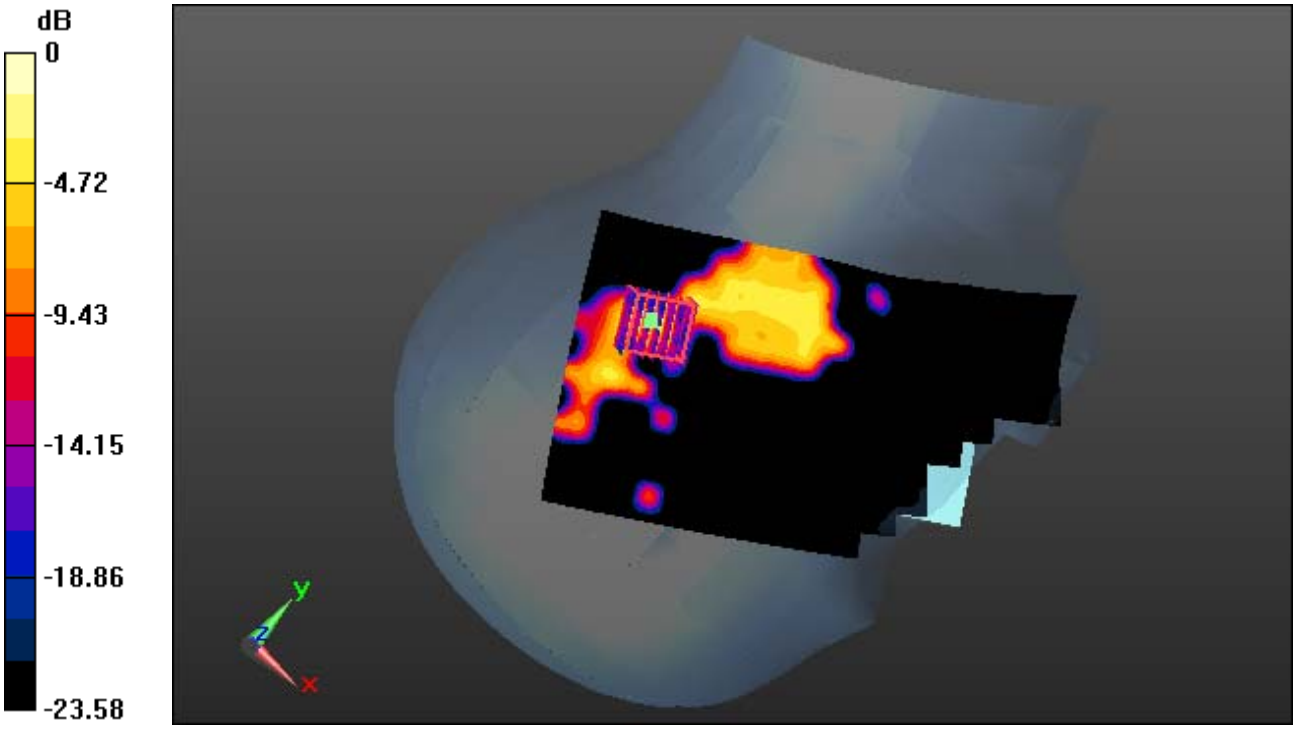
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Touch, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.530 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.042 W/kg



0 dB = 0.309 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

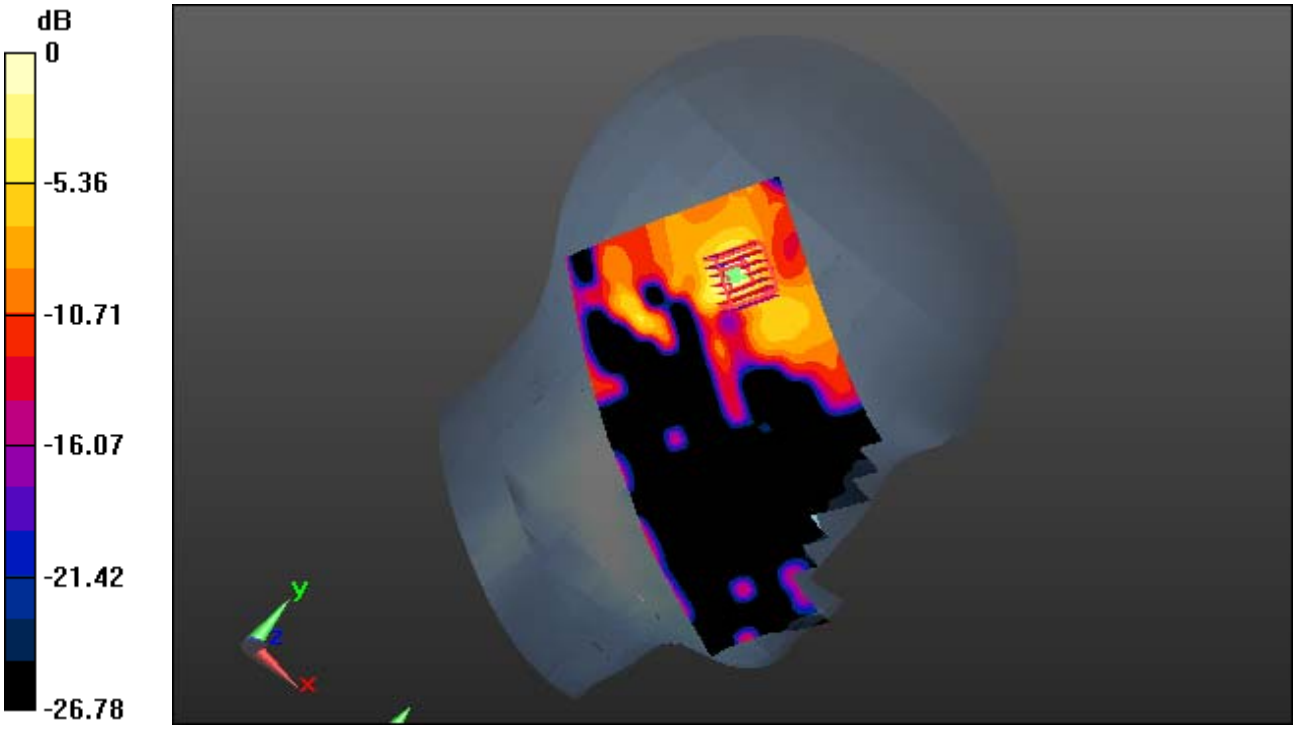
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Tilt, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.408 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.028 W/kg



0 dB = 0.212 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

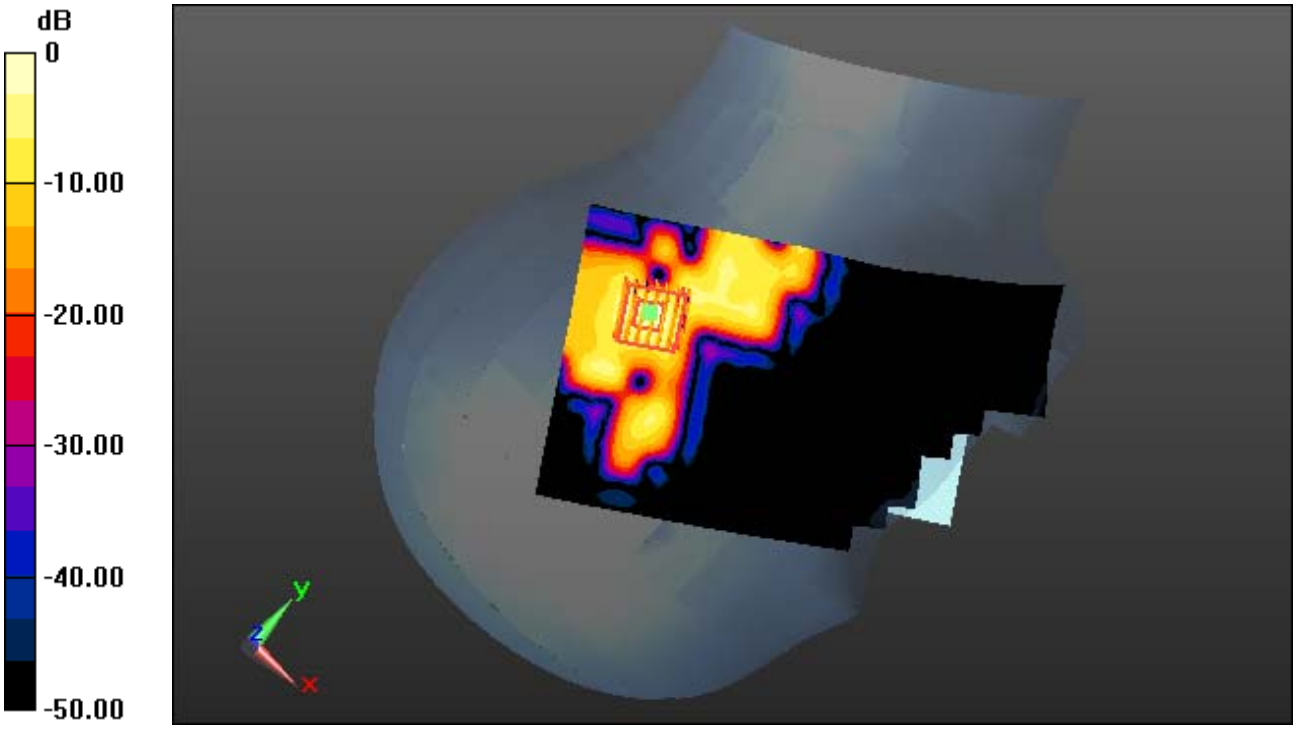
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Right Tilt, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.580 W/kg
SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.042 W/kg



0 dB = 0.329 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

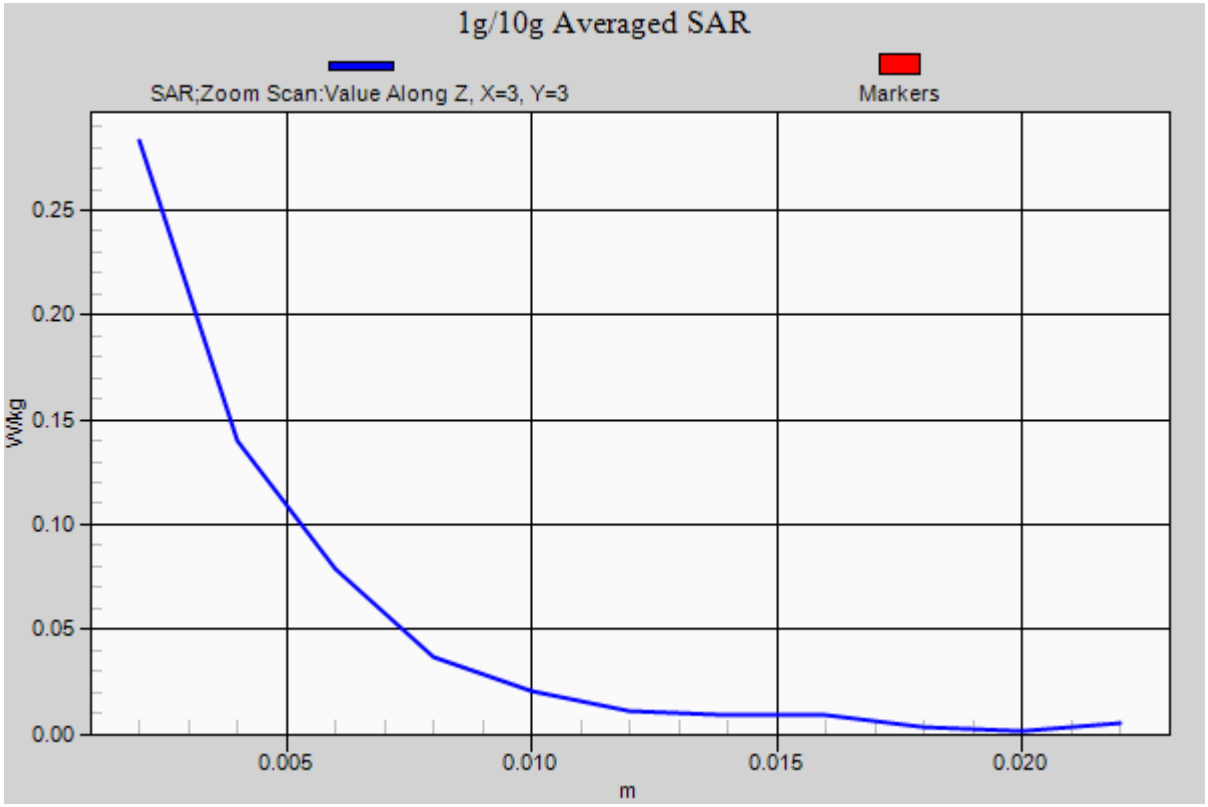
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.191 S/m; ε_r = 35.046; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.8, 4.8, 4.8); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-13; Ambient Temp: 21.5; Tissue Temp: 22.3

Left Touch, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal, Standard Battery

Area Scan (111x181x1): Interpolated 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) = 0.709 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.056 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

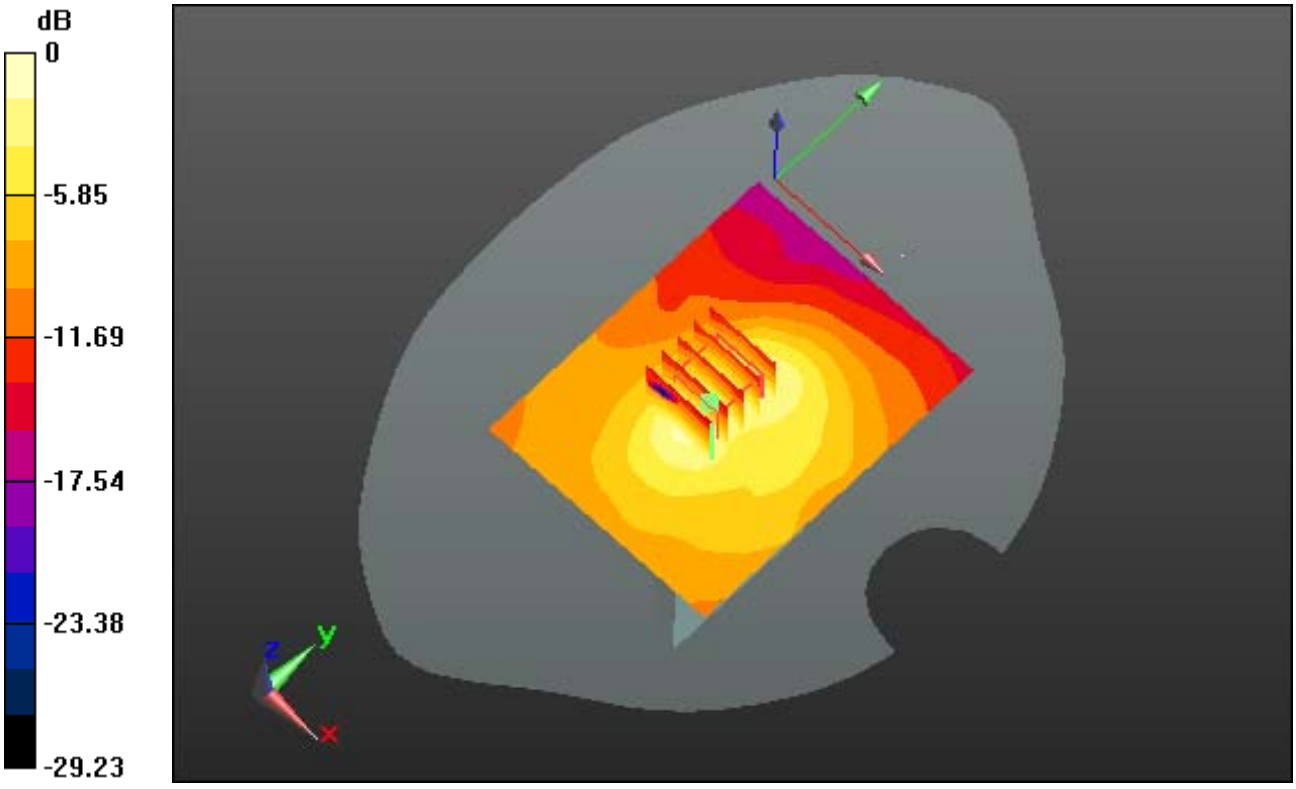
Communication System: GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.986 mho/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x91x1): 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) = 0.191 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.060 W/kg



0 dB = 0.151 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

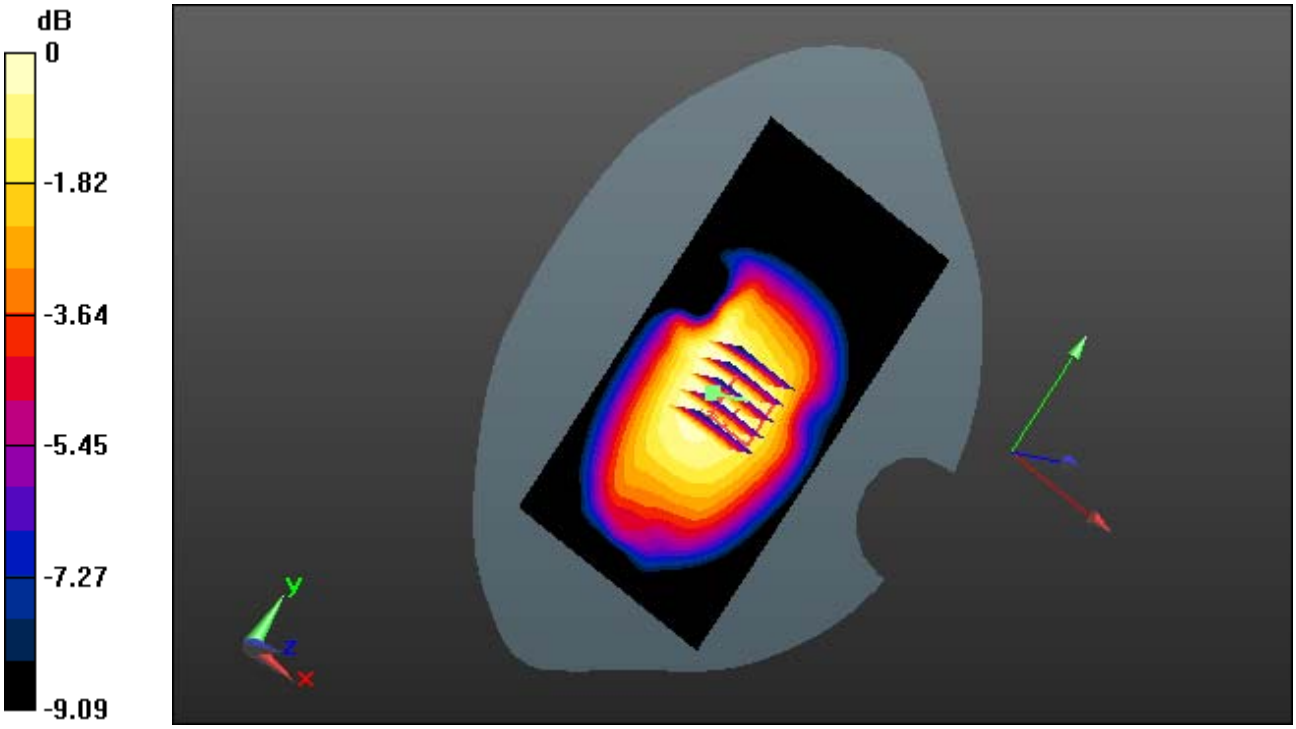
Communication System: GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.824 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.497 W/kg



0 dB = 0.748 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

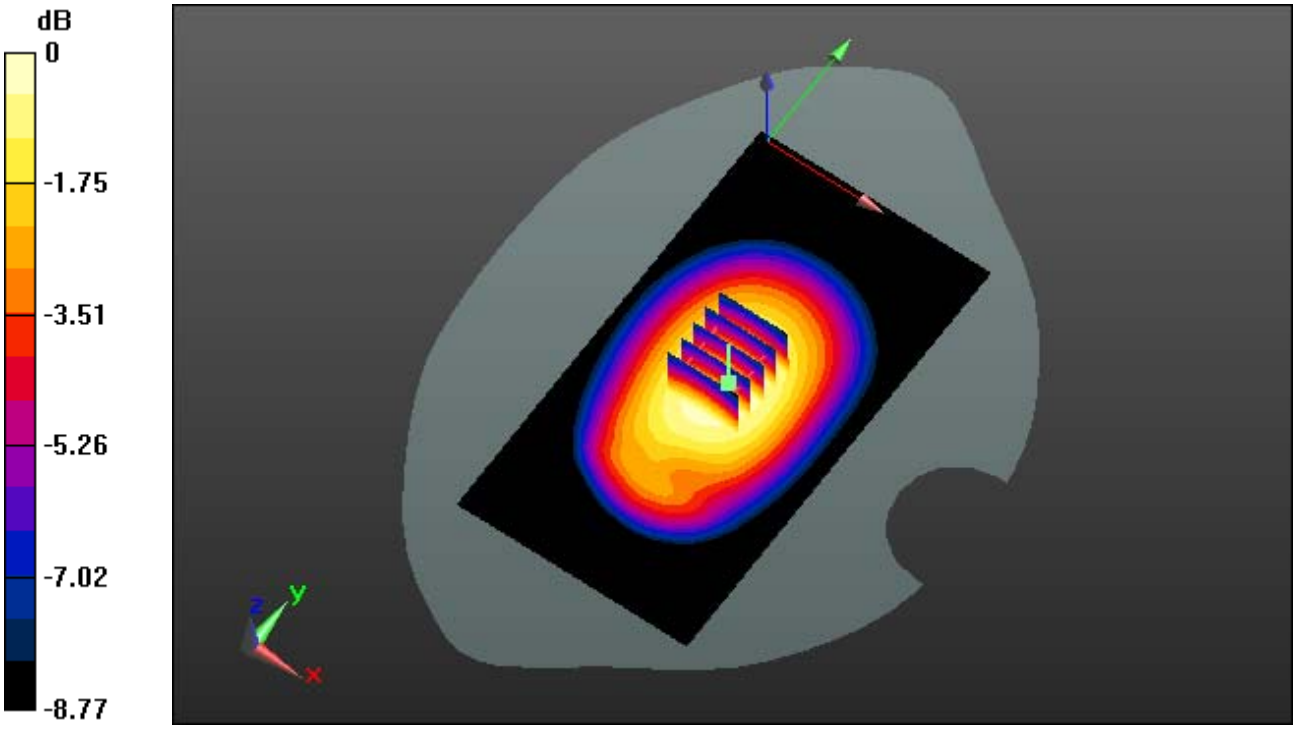
Communication System: GSM 850 (0); Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.973 S/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated 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) = 1.08 W/kg
SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.612 W/kg



0 dB = 0.976 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

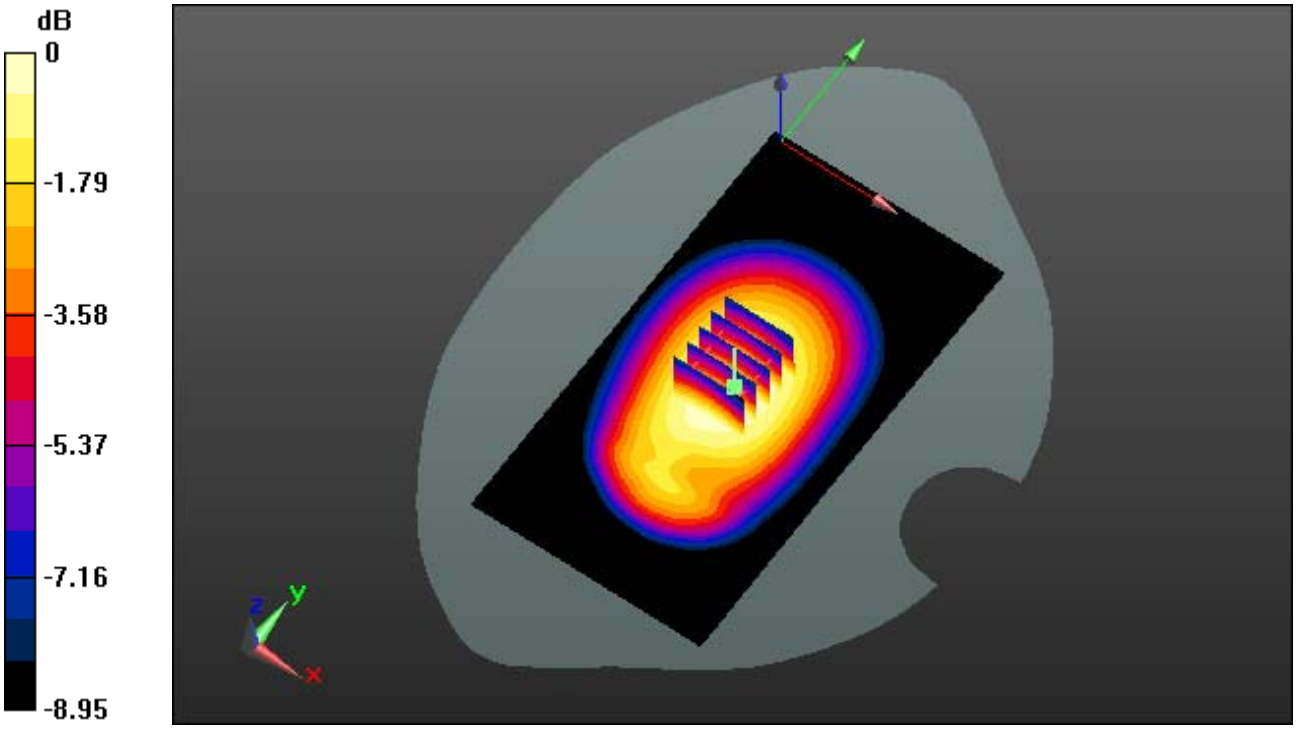
Communication System: GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.867 W/kg; SAR(10 g) = 0.648 W/kg



0 dB = 1.00 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

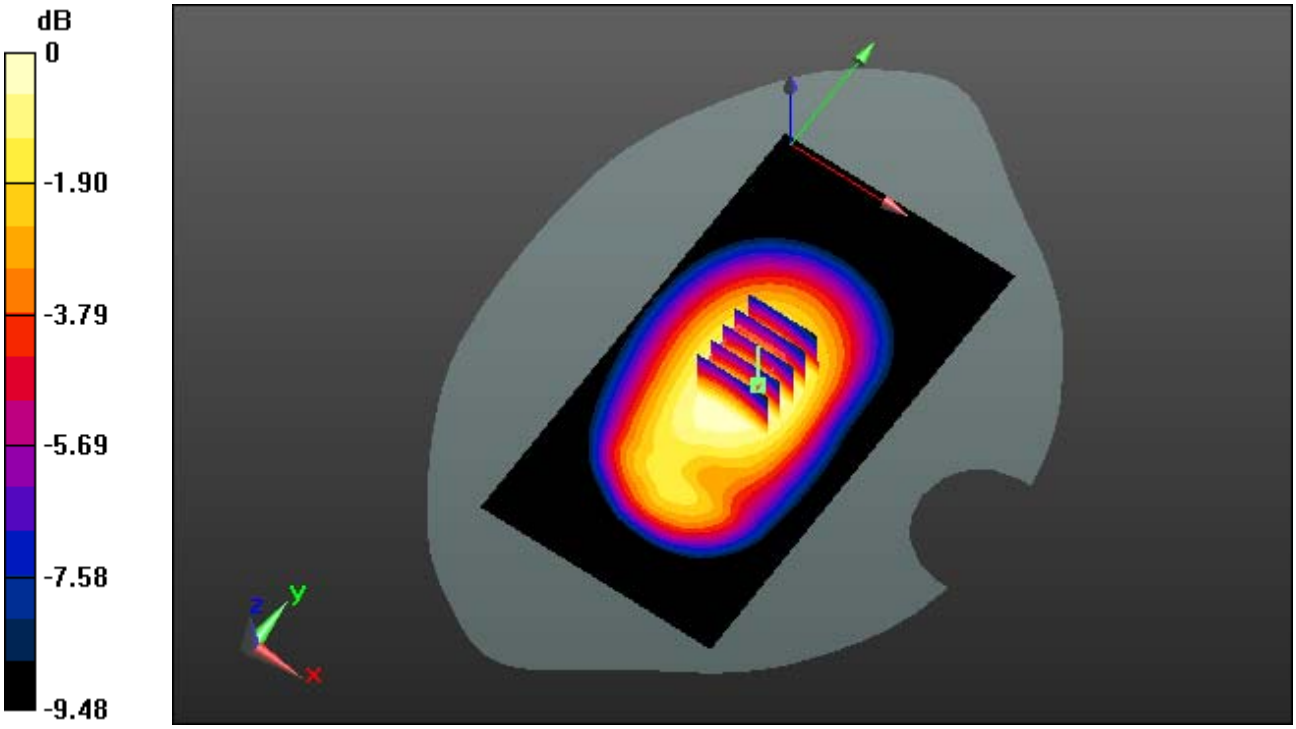
Communication System: GSM 850 (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.999 S/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.540 W/kg



0 dB = 0.826 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

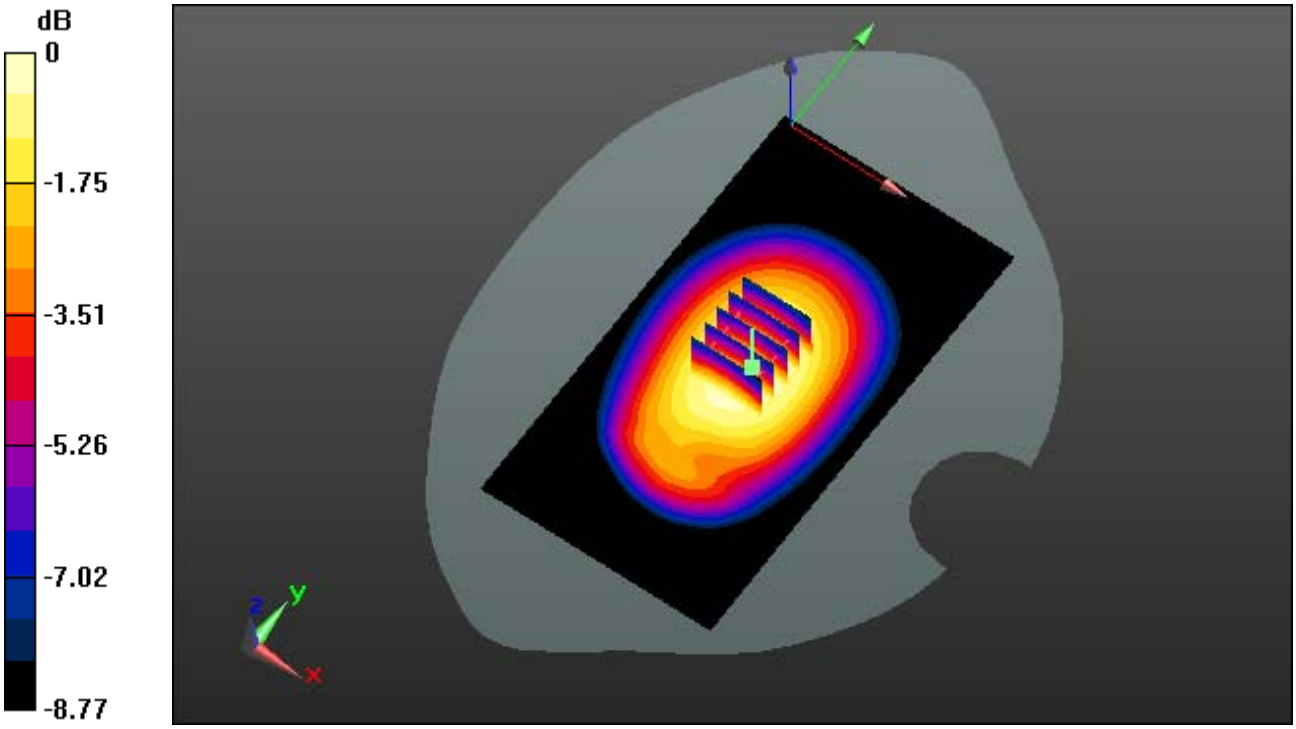
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

SAR Variability Result

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.854 W/kg; SAR(10 g) = 0.635 W/kg



0 dB = 0.993 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

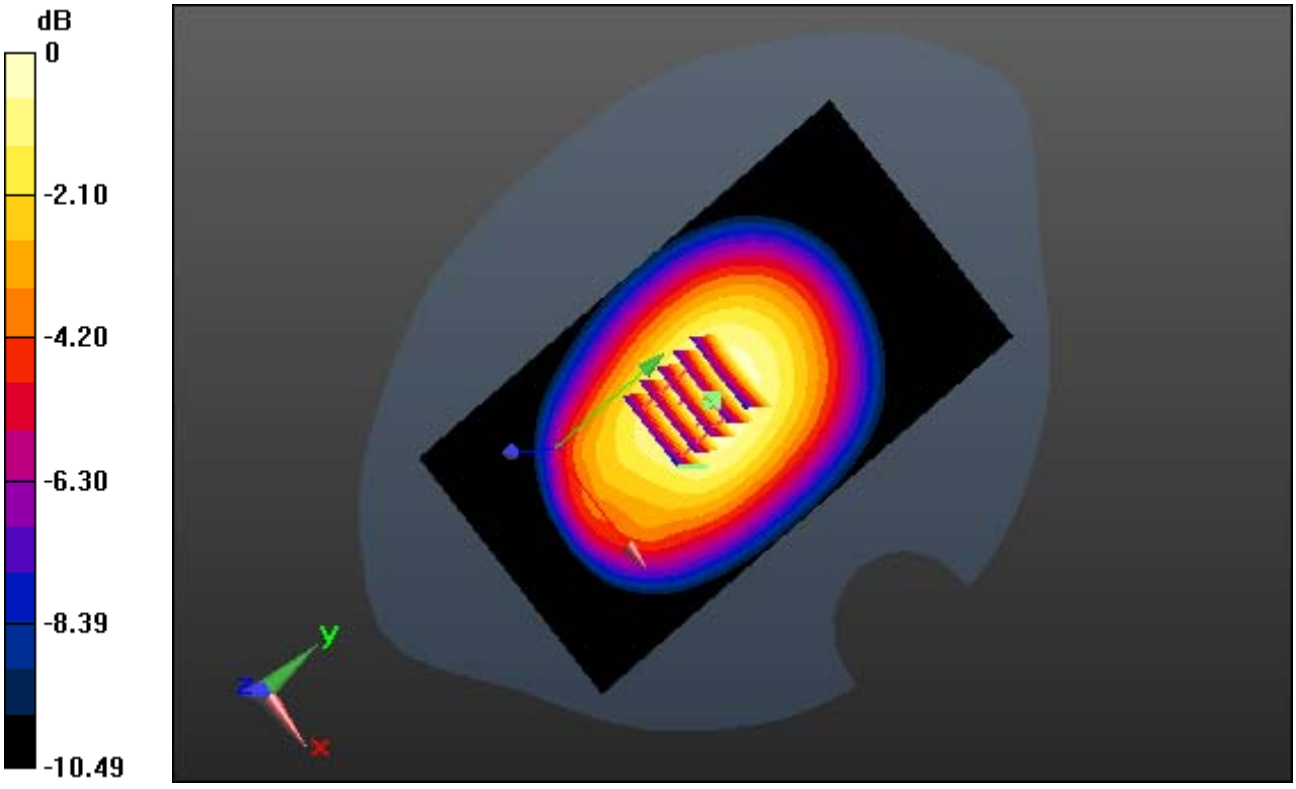
Communication System: GSM 850 (0); Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.173 W/kg
SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.637 W/kg



0 dB = 1.01 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

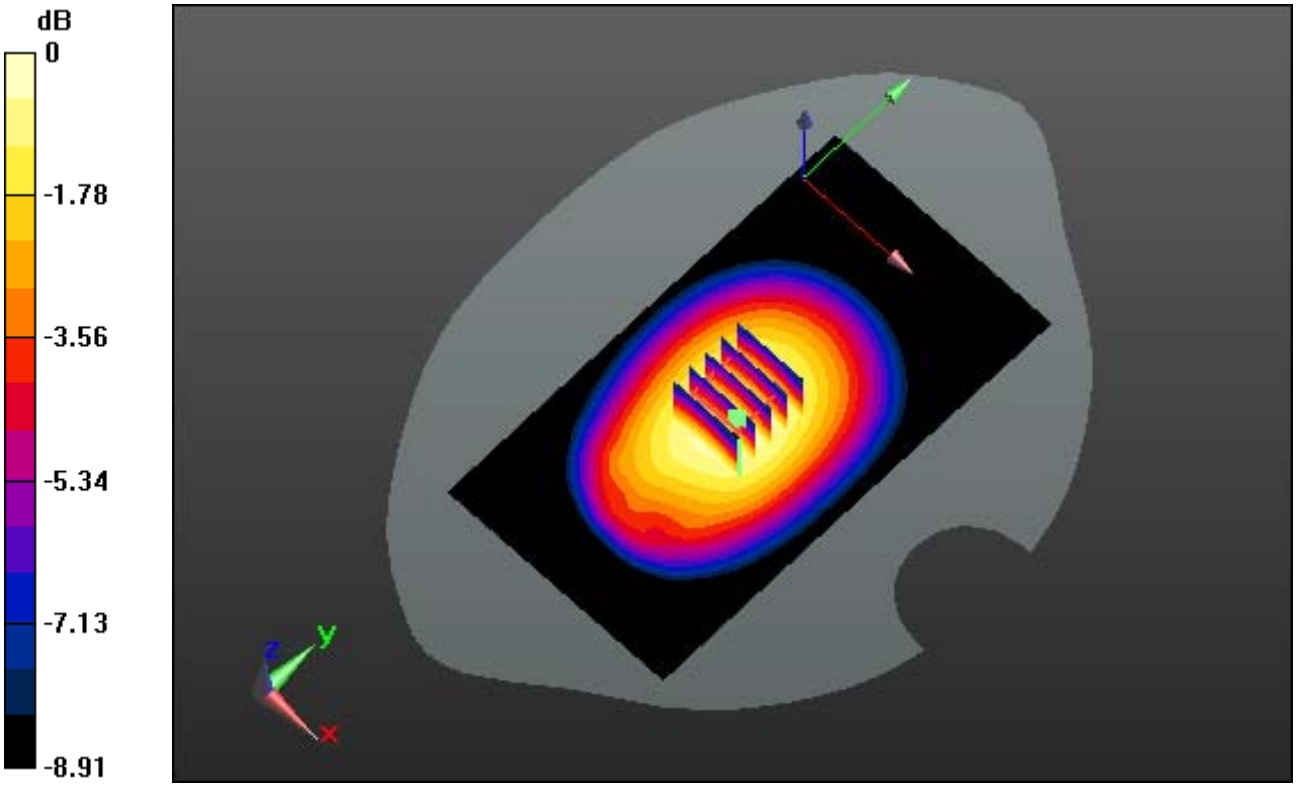
Communication System: GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.986 mho/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.209 W/kg
SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.702 W/kg



0 dB = 1.09 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

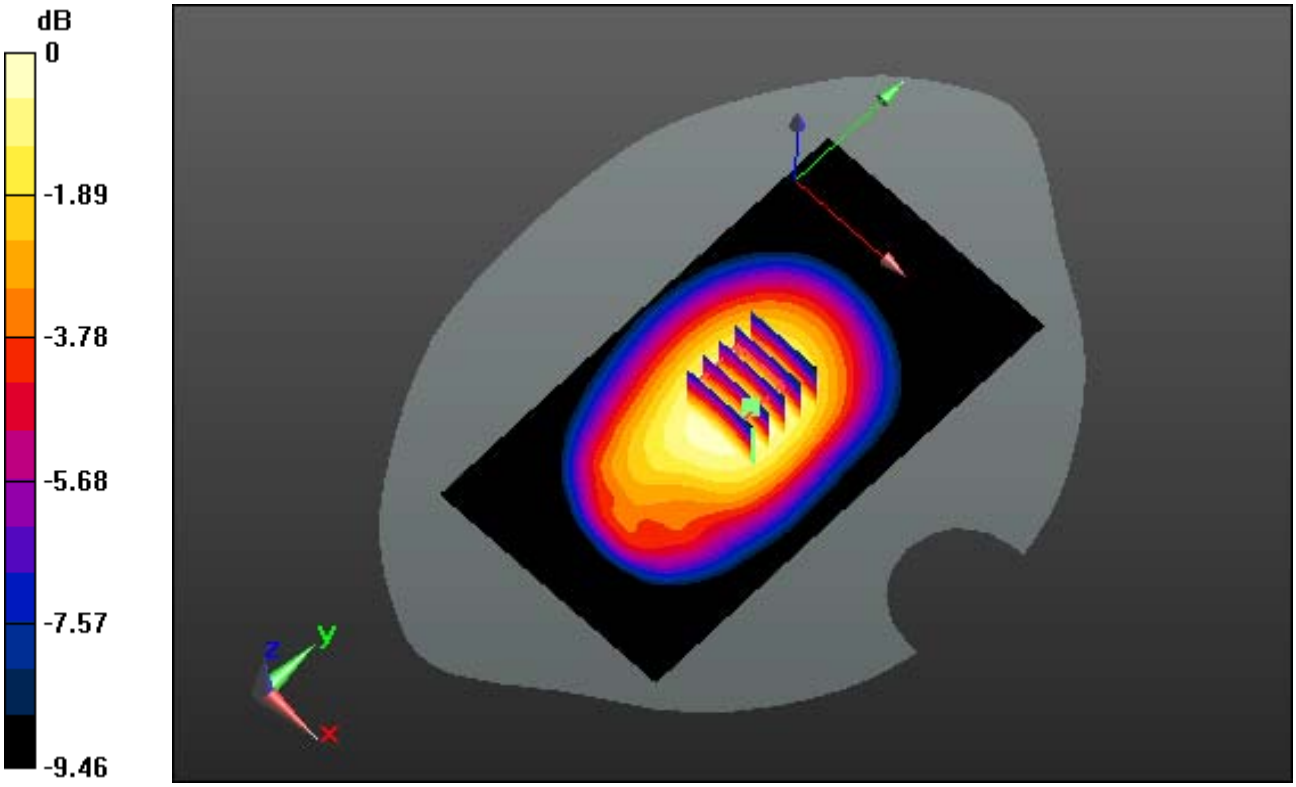
Communication System: GSM 850 (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.999 mho/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 0.931 W/kg
SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.542 W/kg



0 dB = 0.838 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

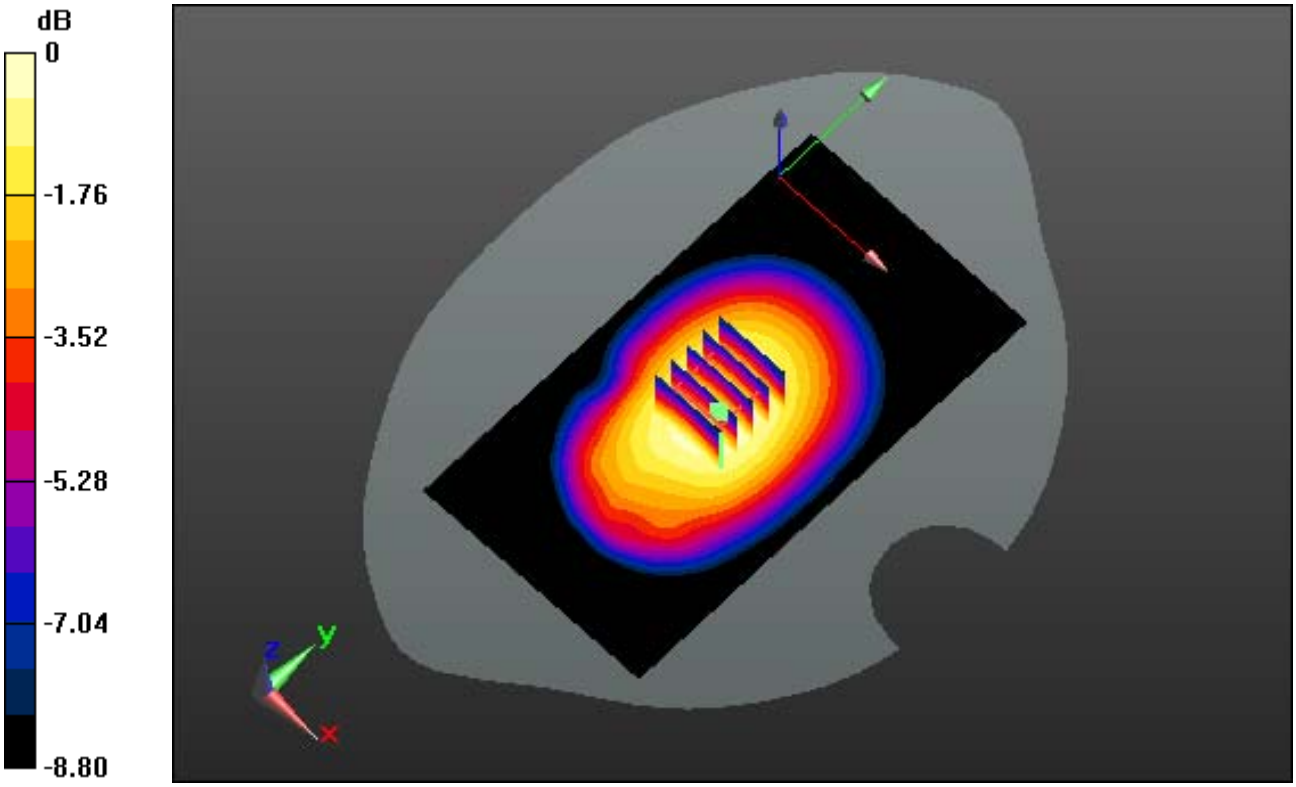
Communication System: GSM 850_10 (0); Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.122 W/kg
SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.648 W/kg



0 dB = 1.01 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

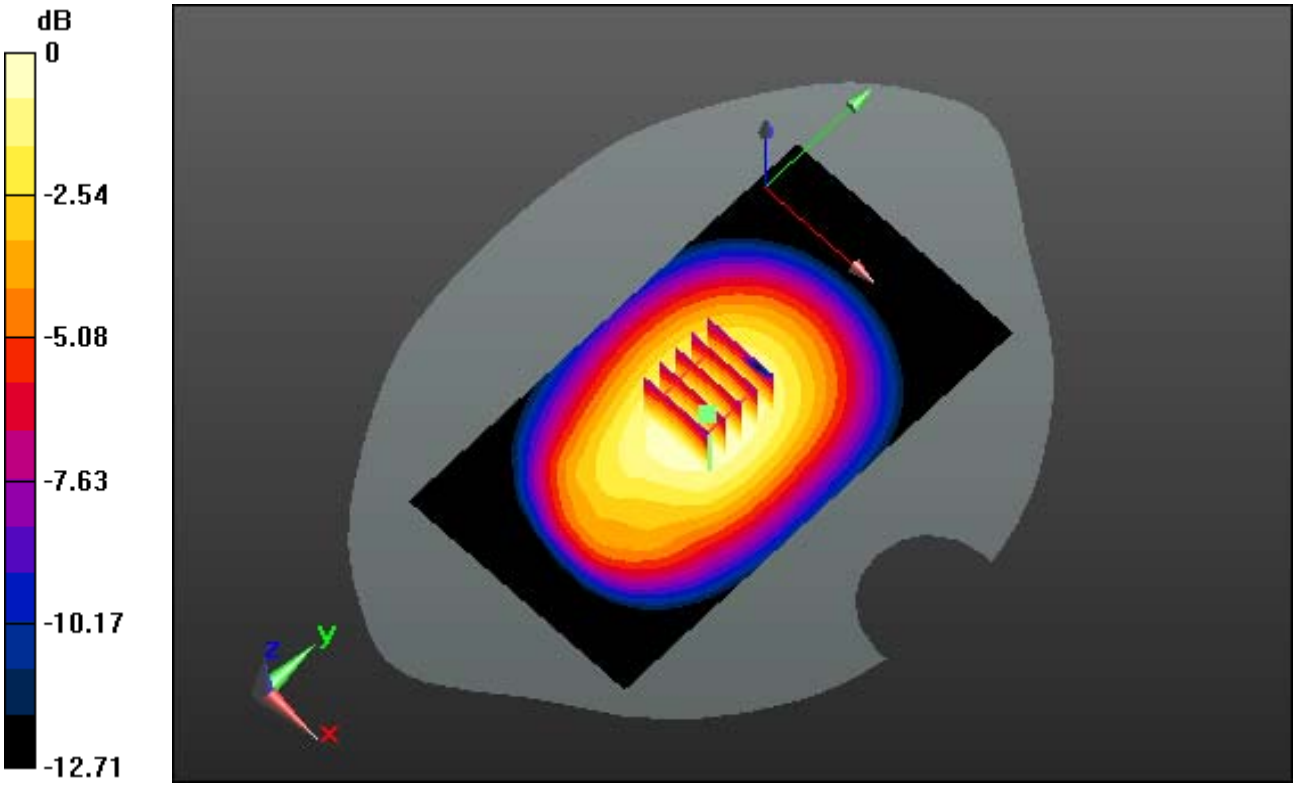
Communication System: GSM 850_10 (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 836.6 MHz; σ = 0.986 mho/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.014 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.594 W/kg



0 dB = 0.916 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

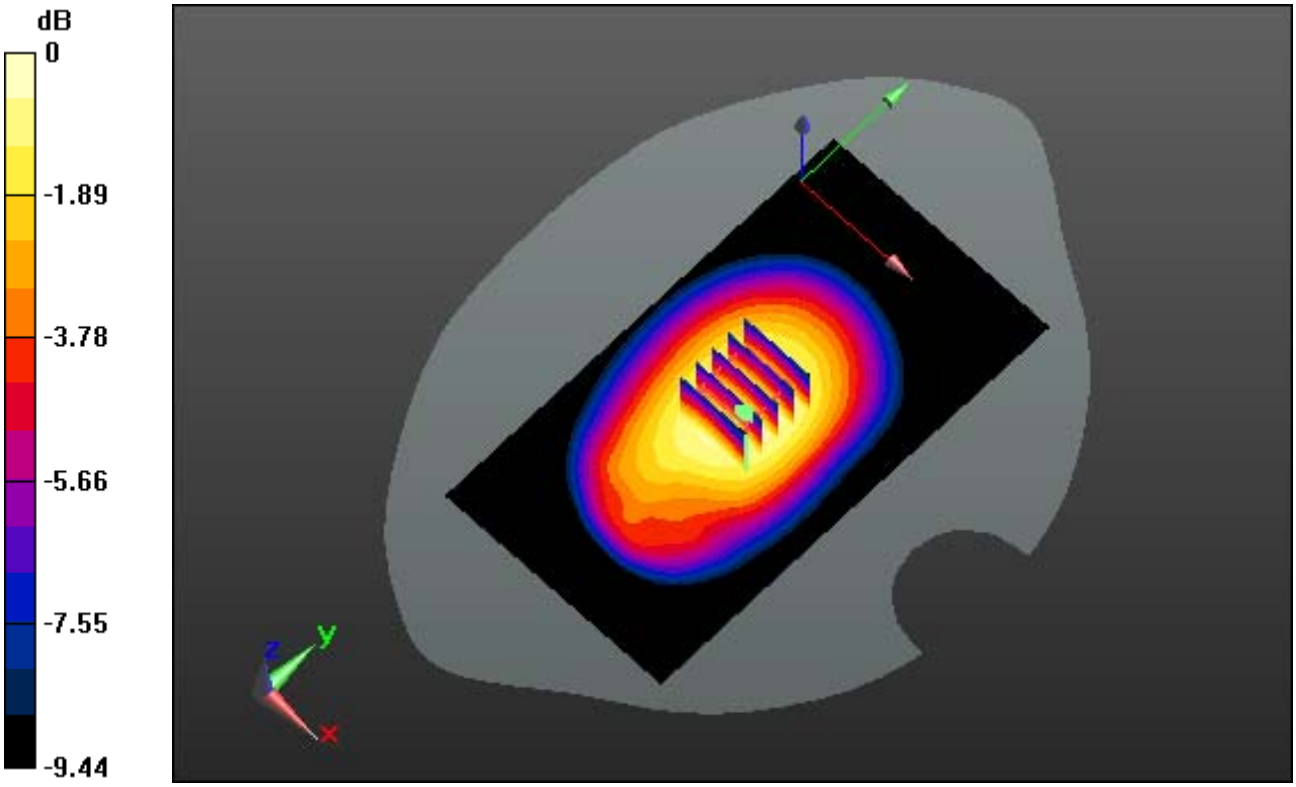
Communication System: GSM 850_10 (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.999 mho/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 0.907 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.522 W/kg



0 dB = 0.820 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

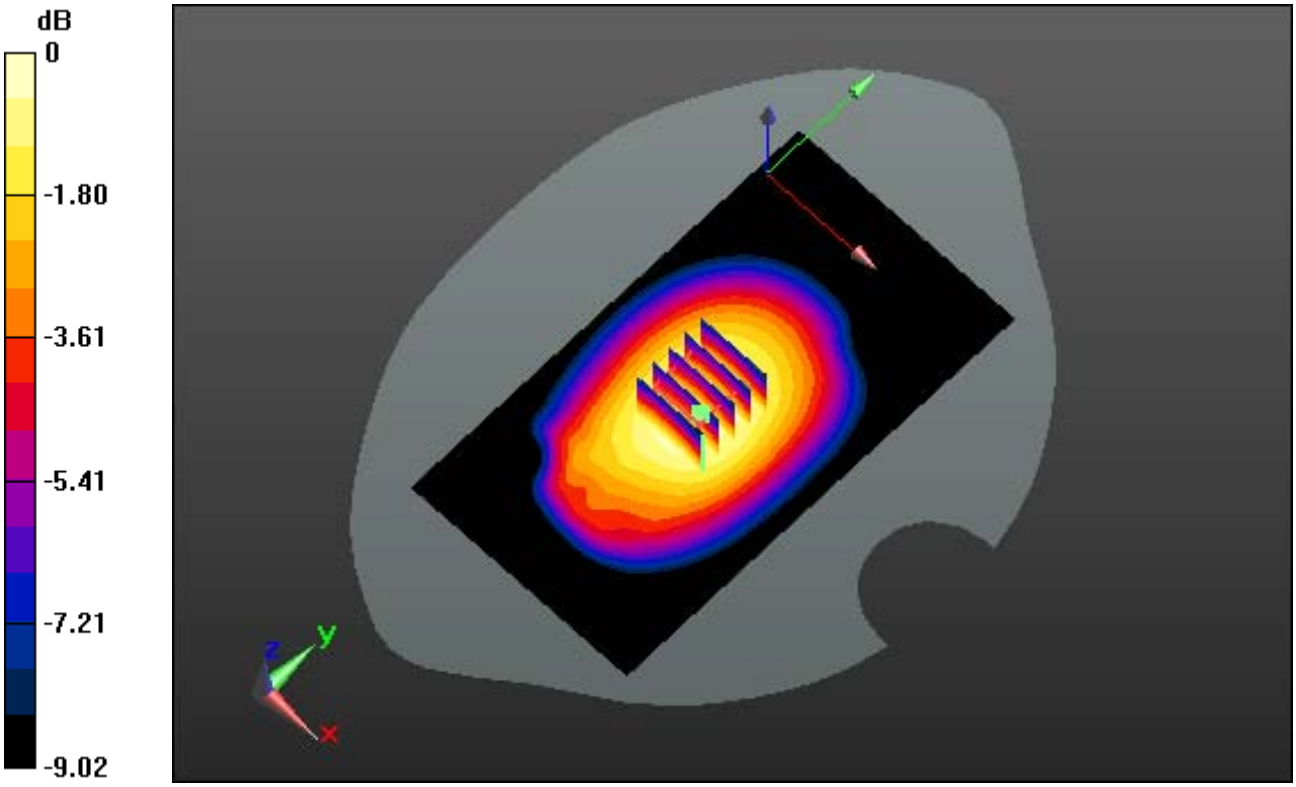
Communication System: GSM 850_11 (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.210 W/kg
SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.707 W/kg



0 dB = 1.10 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

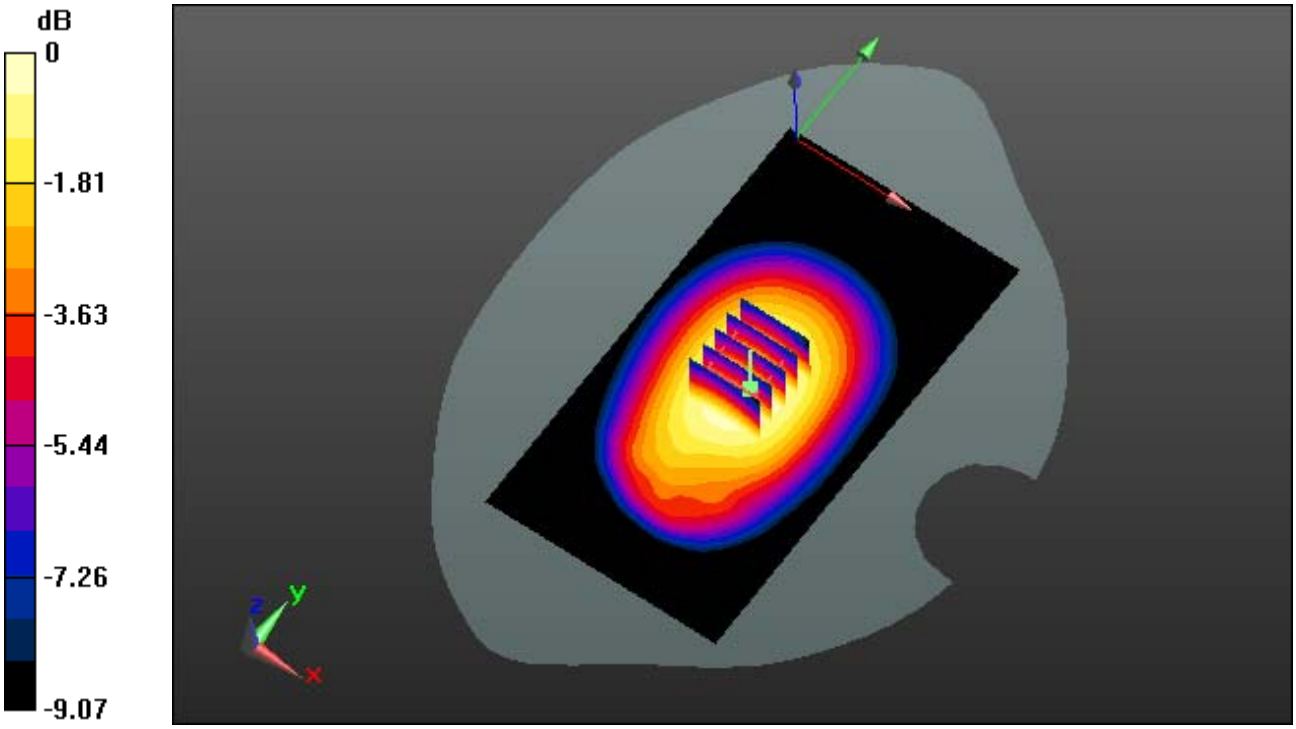
Communication System: GSM 850_11 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.695 W/kg



0 dB = 1.08 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

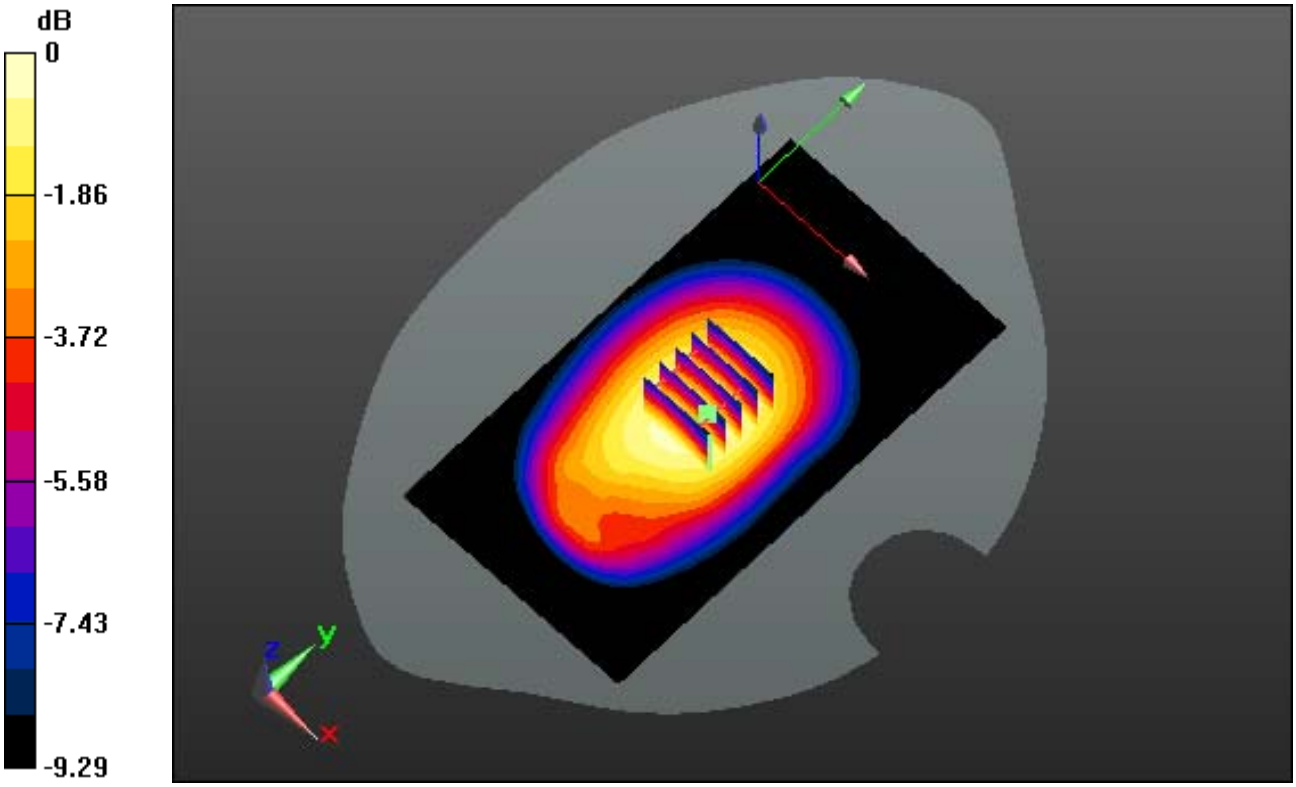
Communication System: GSM 850_11 (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 848.8 MHz; σ = 0.999 mho/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.043 W/kg
SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.604 W/kg



0 dB = 0.943 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

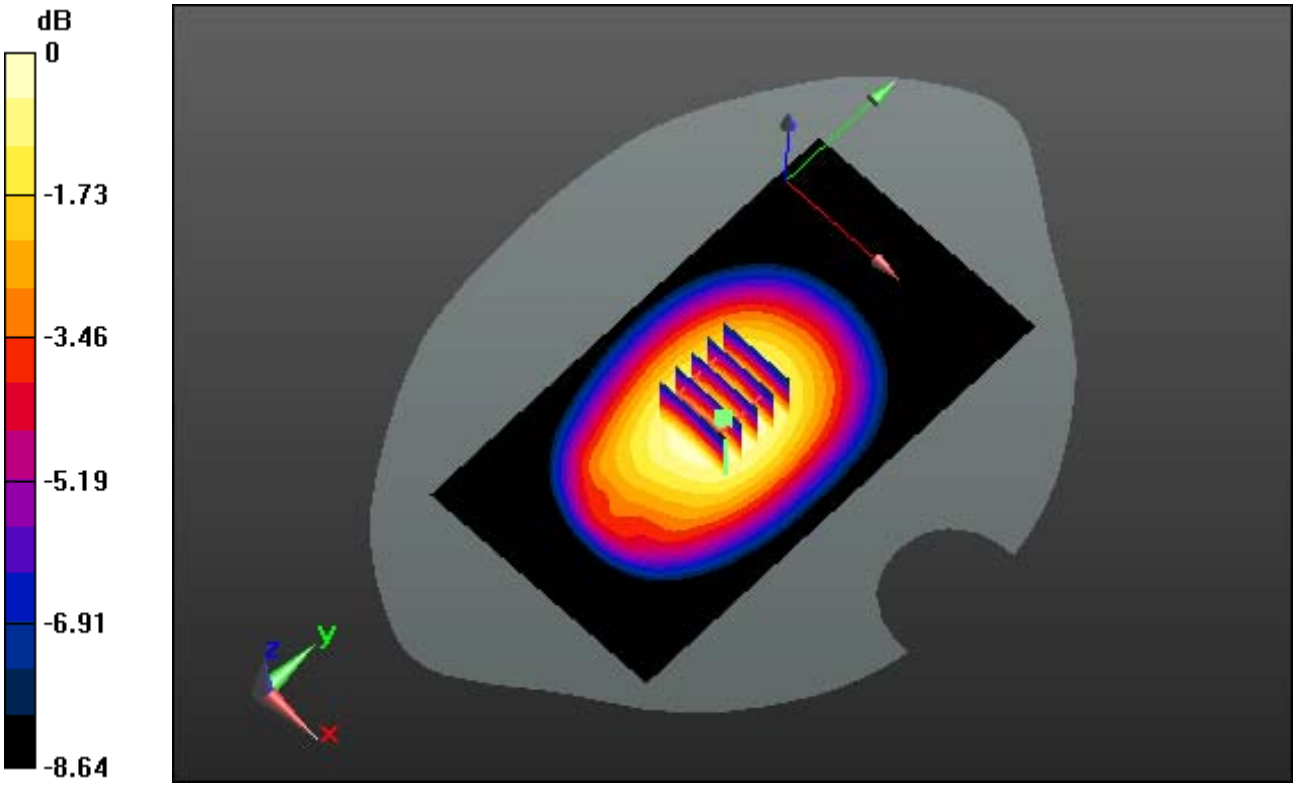
Communication System: GSM 850_12 (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.336 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.788 W/kg



0 dB = 1.21 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

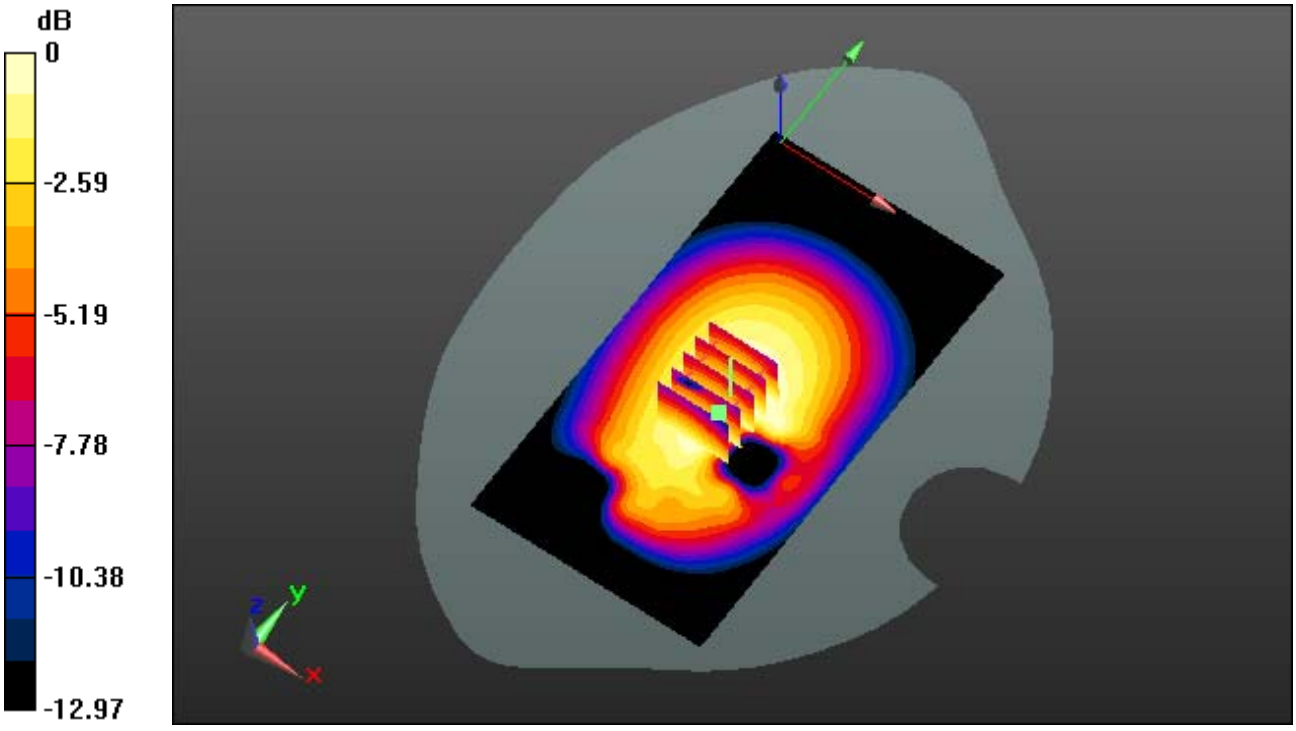
Communication System: GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.702 W/kg



0 dB = 1.10 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

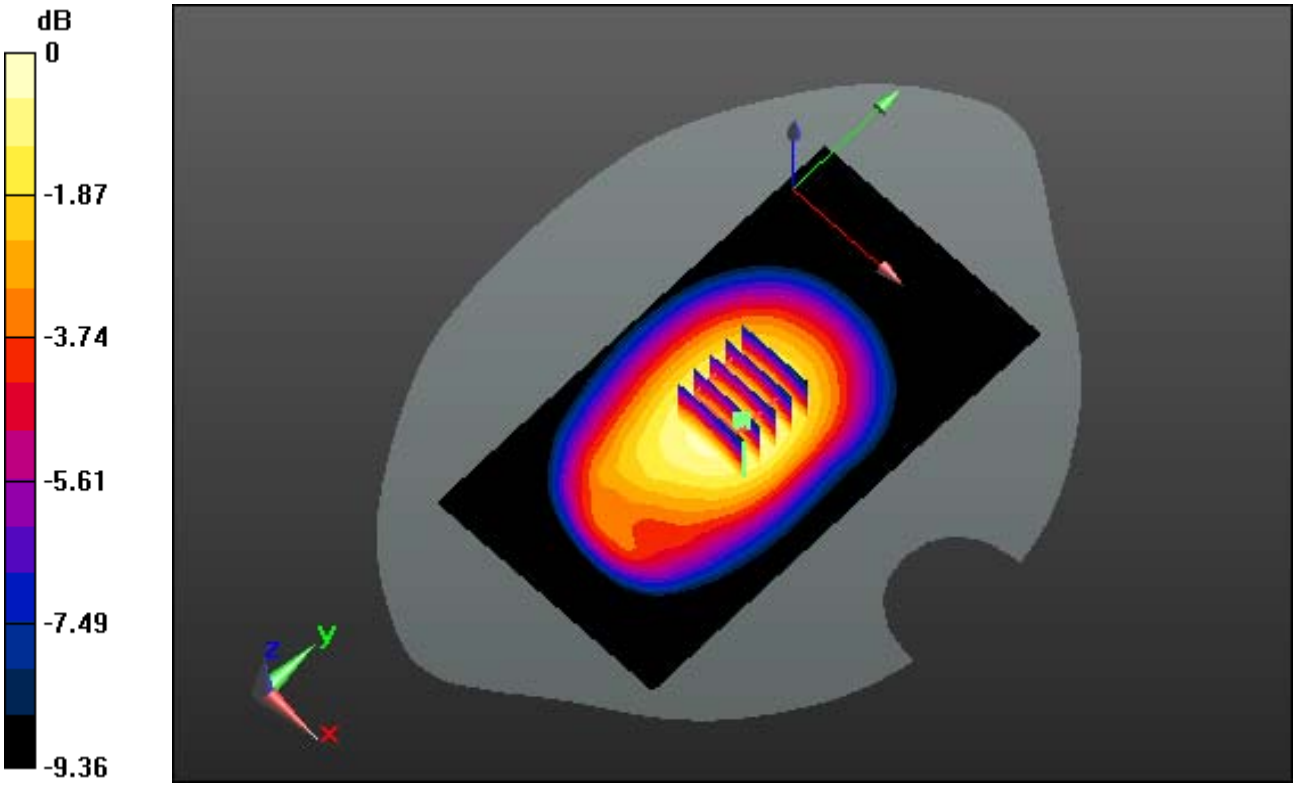
Communication System: GSM 850_12 (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 848.8 MHz; σ = 0.999 mho/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.165 W/kg
SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.673 W/kg



0 dB = 1.05 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

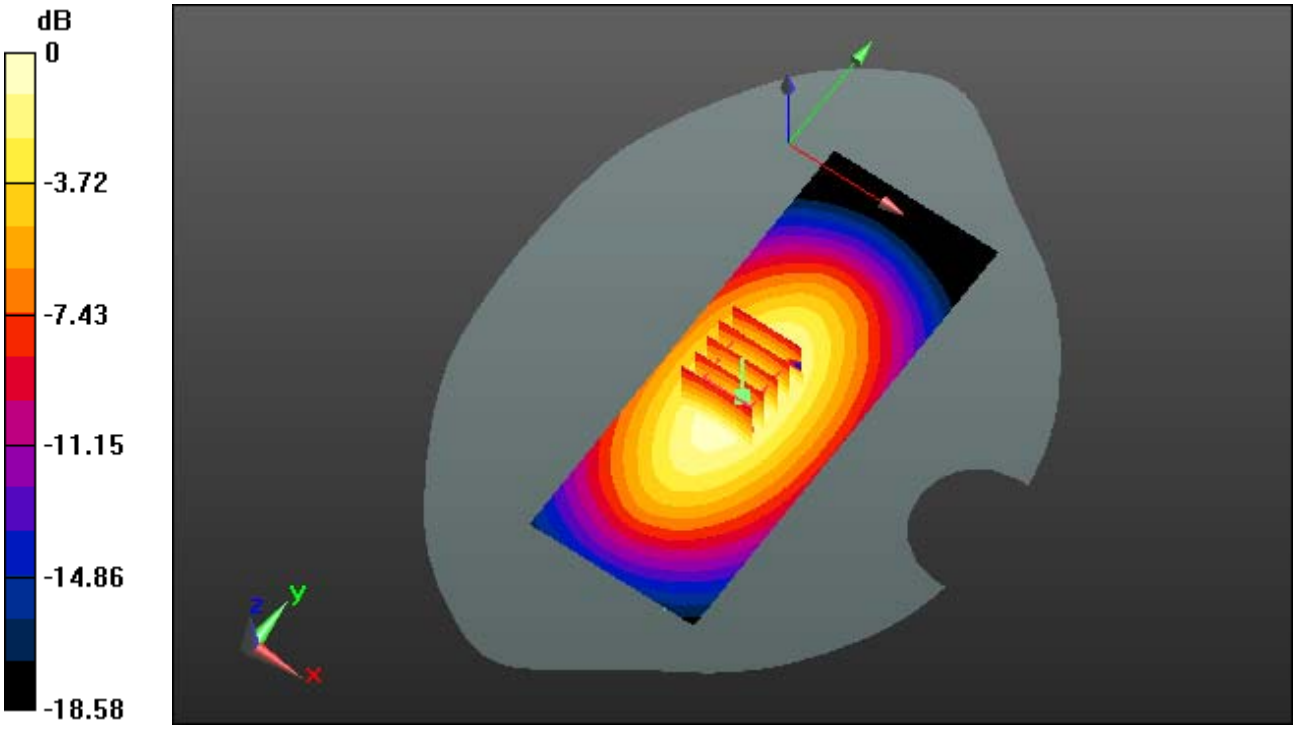
Communication System: GSM 850_12 (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.973 S/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (51x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.947 W/kg; SAR(10 g) = 0.655 W/kg



0 dB = 1.17 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

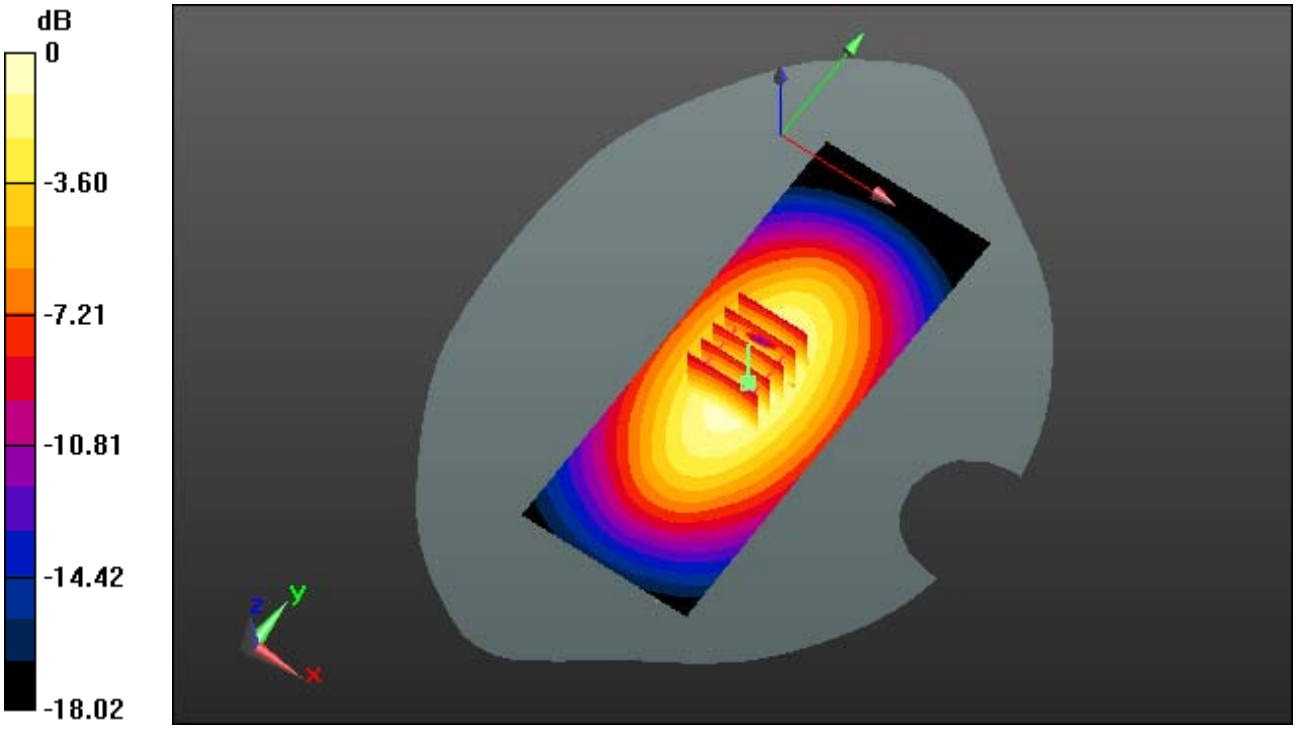
Communication System: GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (51x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.612 W/kg



0 dB = 1.10 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

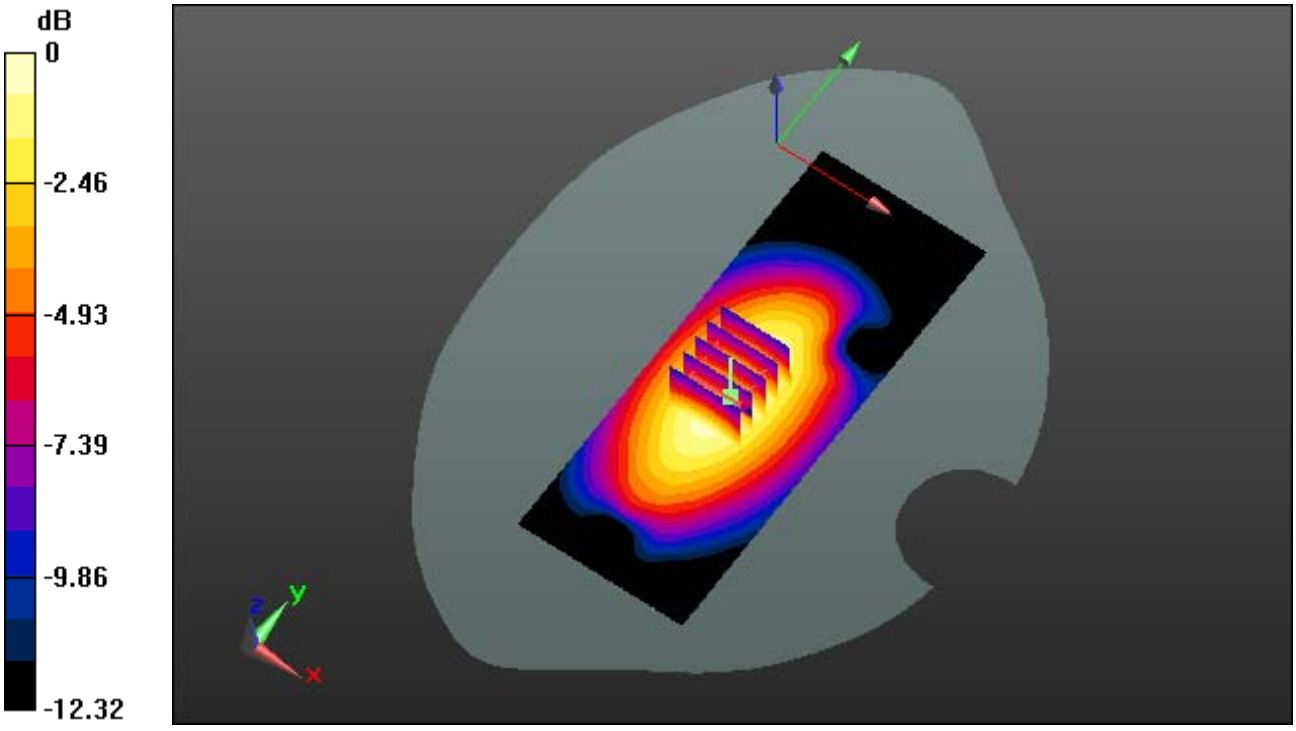
Communication System: GSM 850_12 (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 848.8 MHz; σ = 0.999 S/m; ε_r = 55.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (51x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.616 W/kg



0 dB = 1.11 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

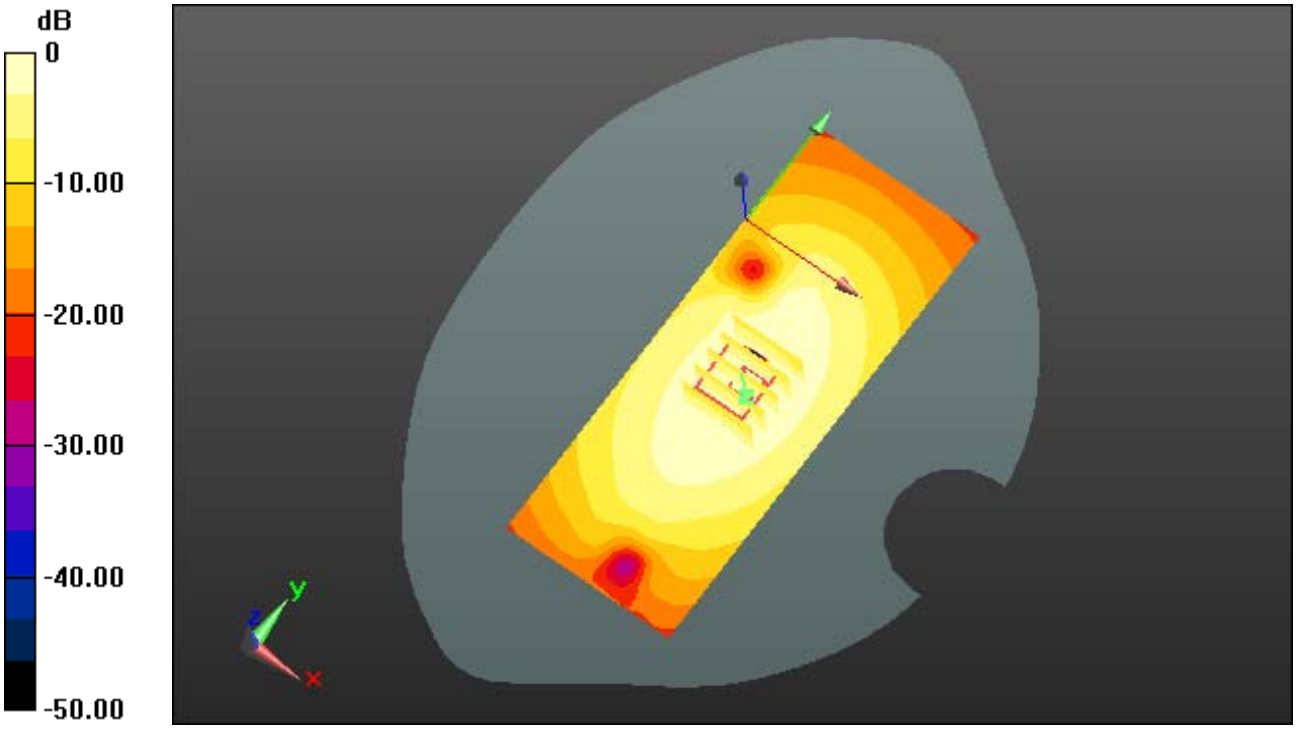
Communication System: GSM 850_12 (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 836.6 MHz; σ = 0.986 S/m; ε_r = 55.217; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (51x131x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.872 W/kg
SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.398 W/kg



0 dB = 0.695 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

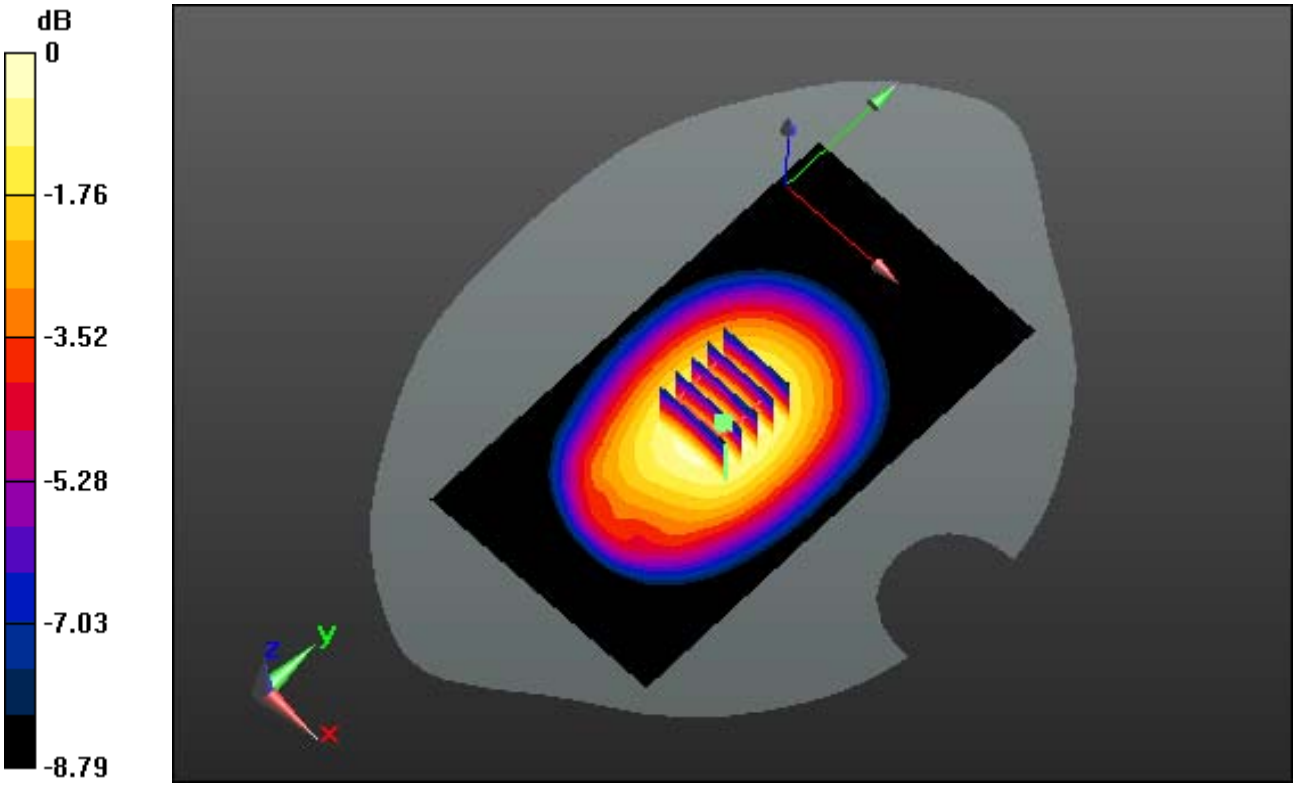
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

SAR Variabillity Result

Area Scan (71x131x1): 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) = 1.311 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.763 W/kg



0 dB = 1.19 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

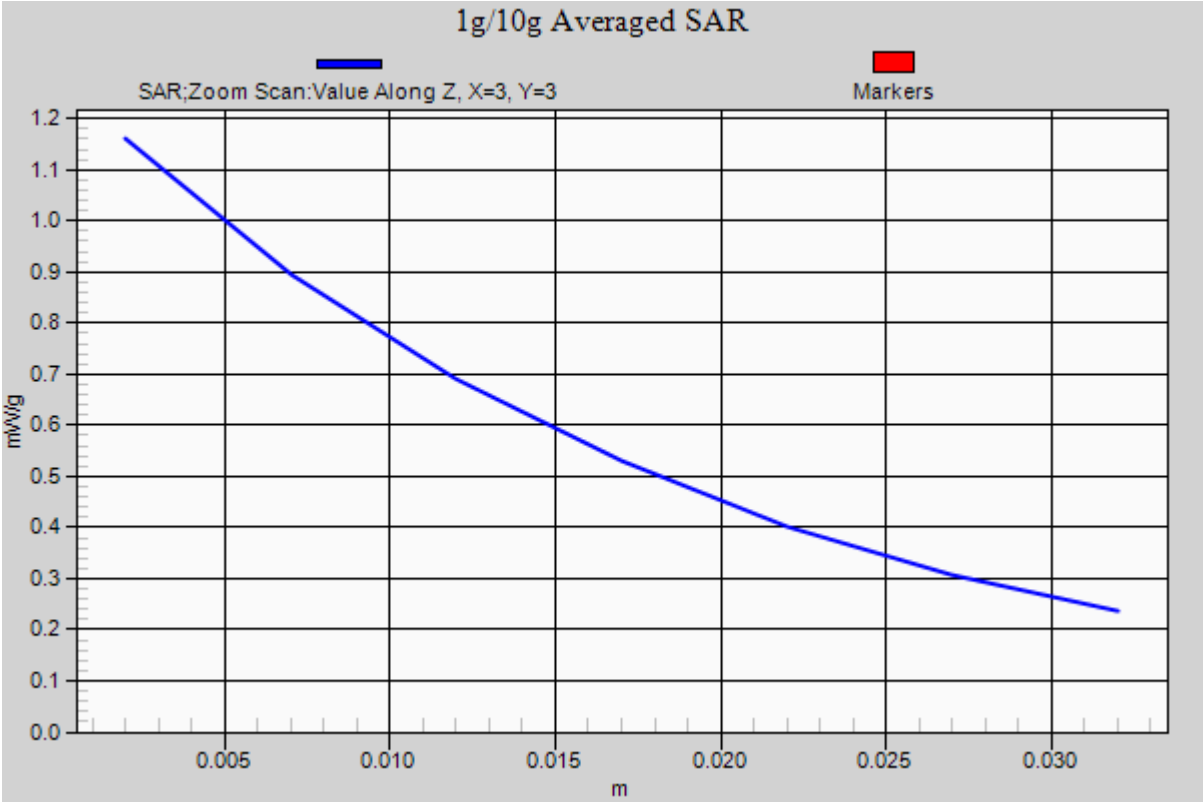
Communication System: GSM 850_12 (0); Frequency: 824.2 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 824.2 MHz; σ = 0.973 mho/m; ε_r = 55.32; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-05; Ambient Temp: 21.0; Tissue Temp:21.8

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

Area Scan (71x131x1): 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) = 1.336 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.788 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

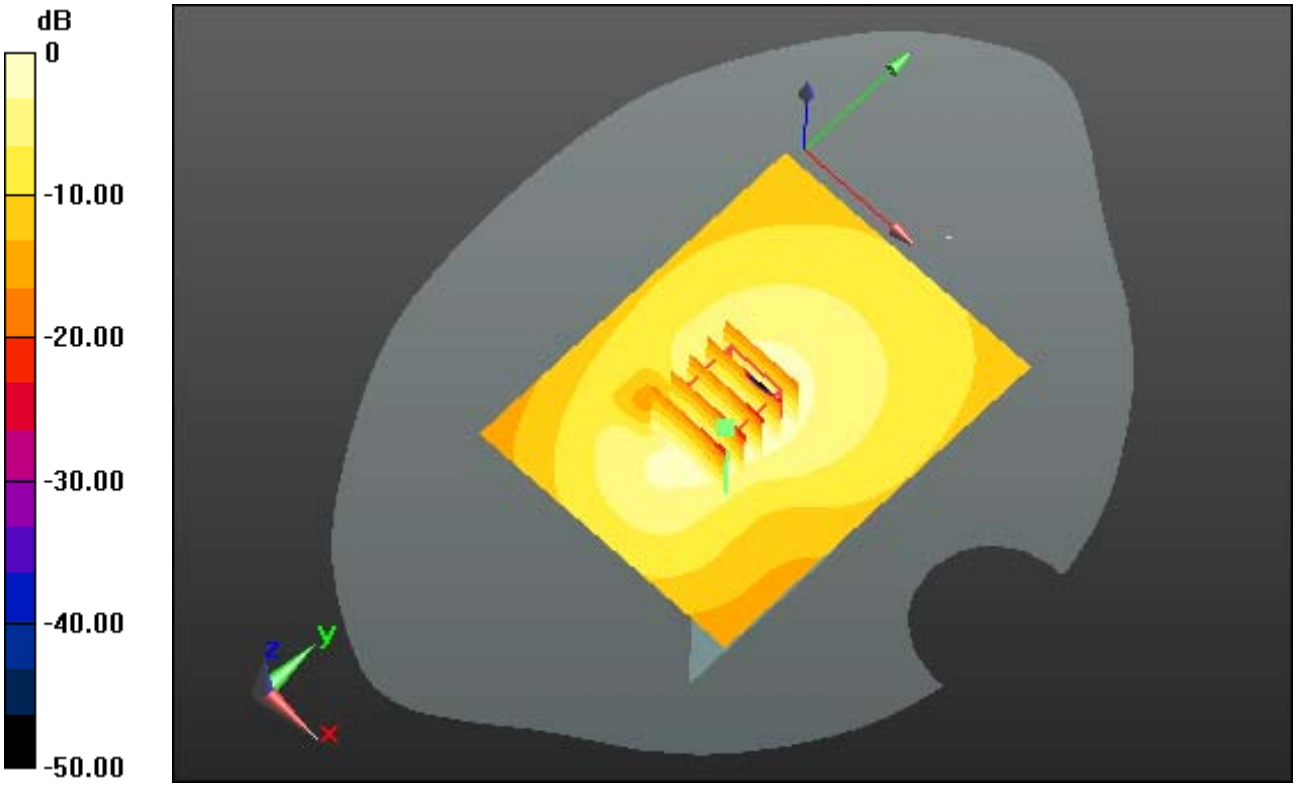
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x91x1): 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) = 1.065 W/kg
SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.155 W/kg



0 dB = 0.408 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

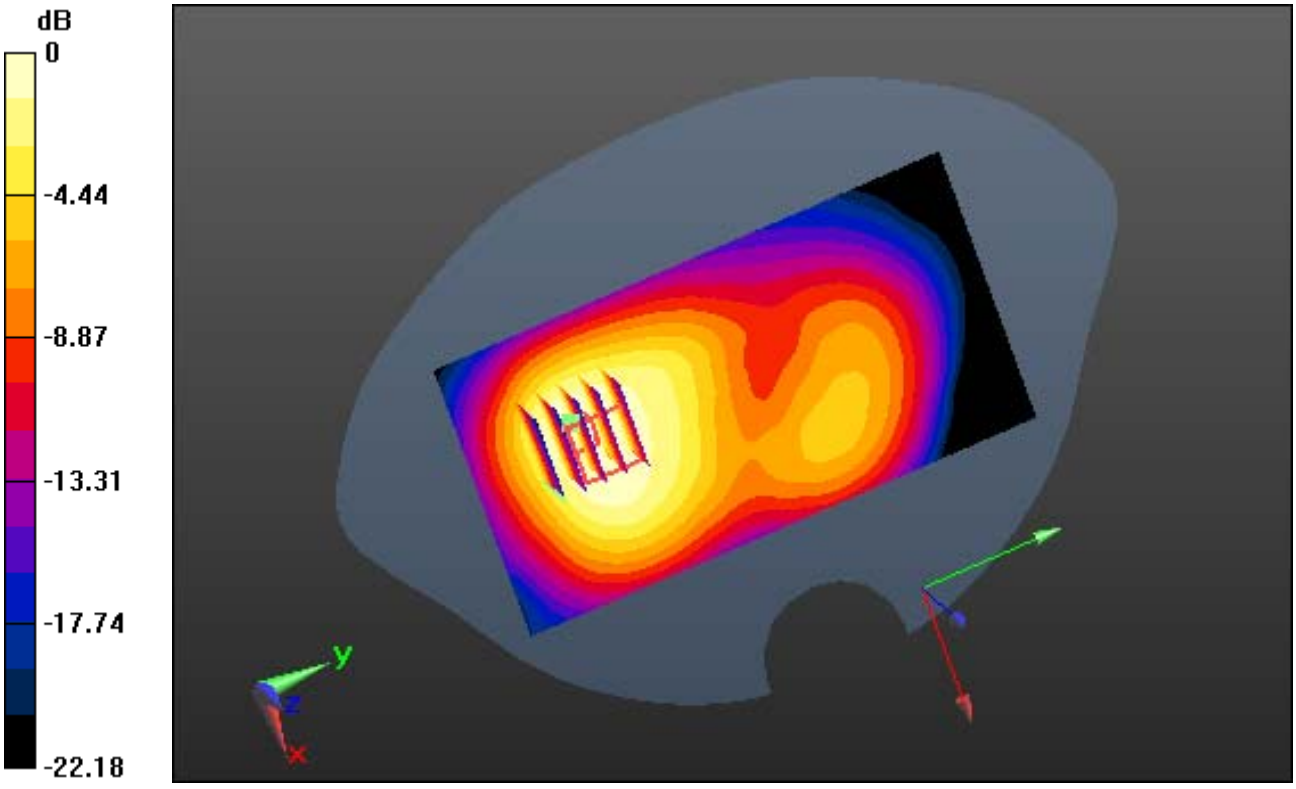
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.580 W/kg
SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.372 W/kg



0 dB = 0.883 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

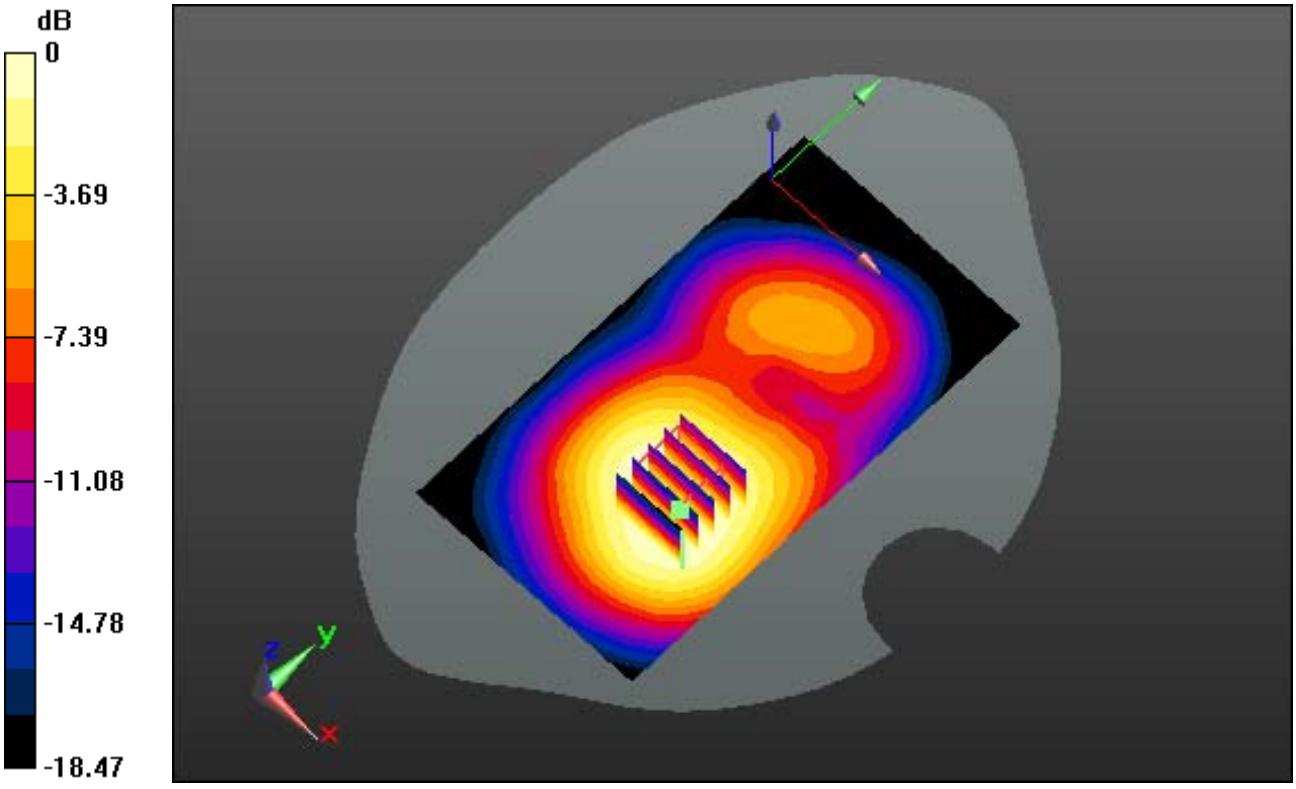
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.041 W/kg
SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.391 W/kg



0 dB = 0.813 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

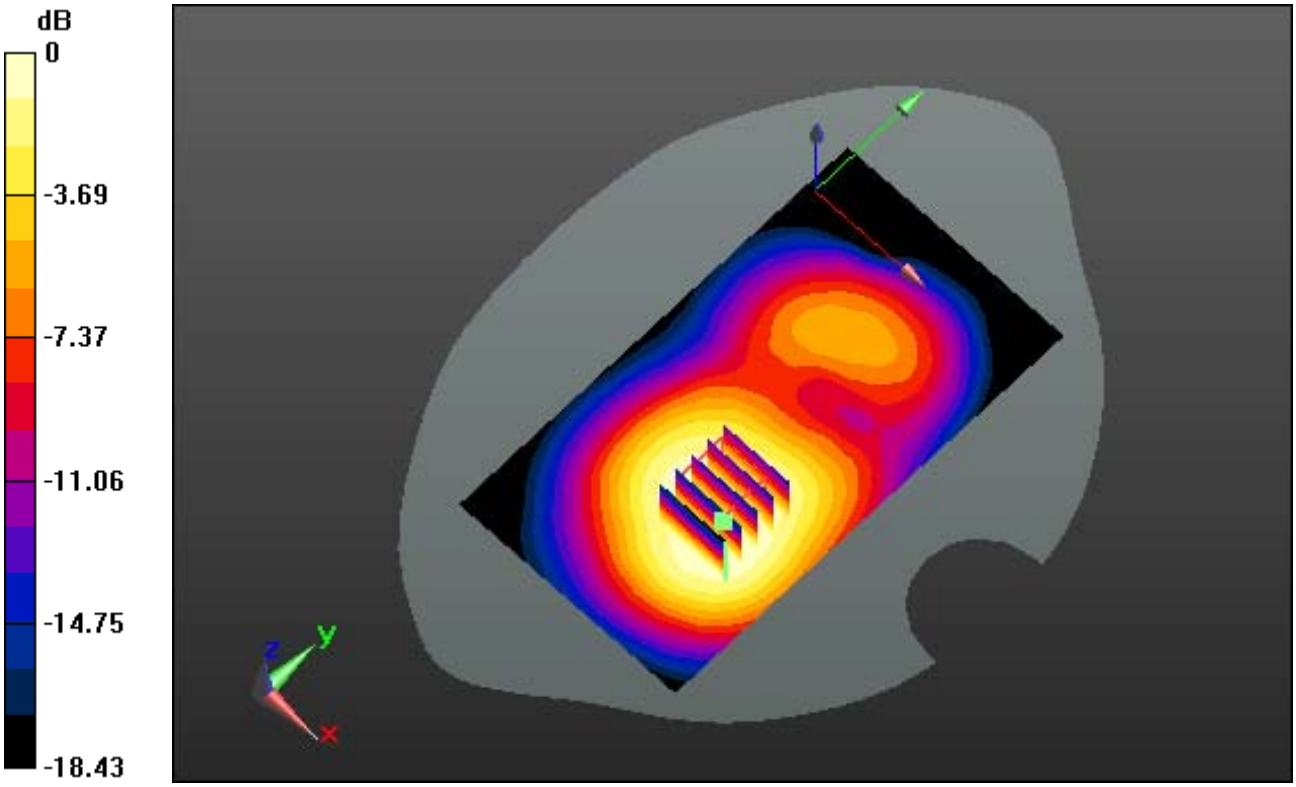
Communication System: PCS 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.077 W/kg
SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.395 W/kg



0 dB = 0.831 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

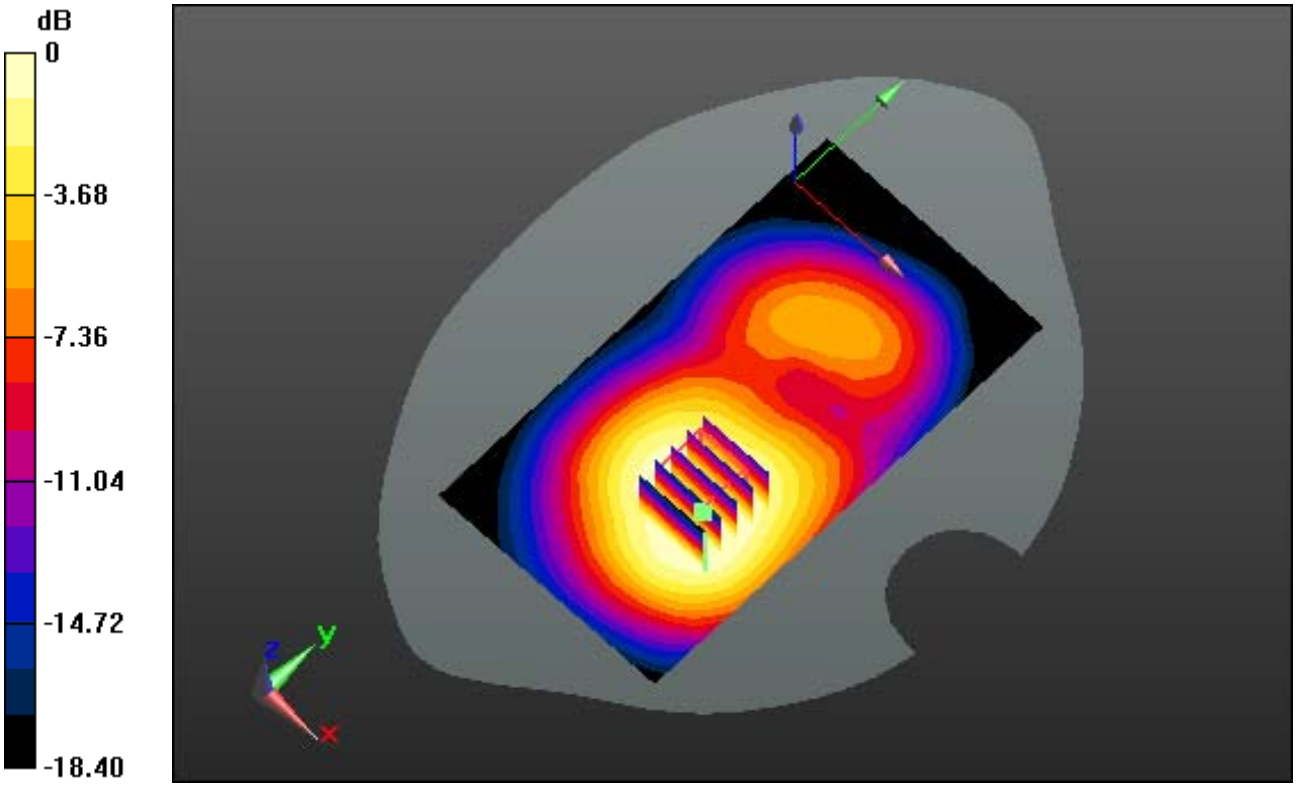
Communication System: PCS1900_Class 10 (0); Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.076 W/kg
SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.397 W/kg



0 dB = 0.827 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

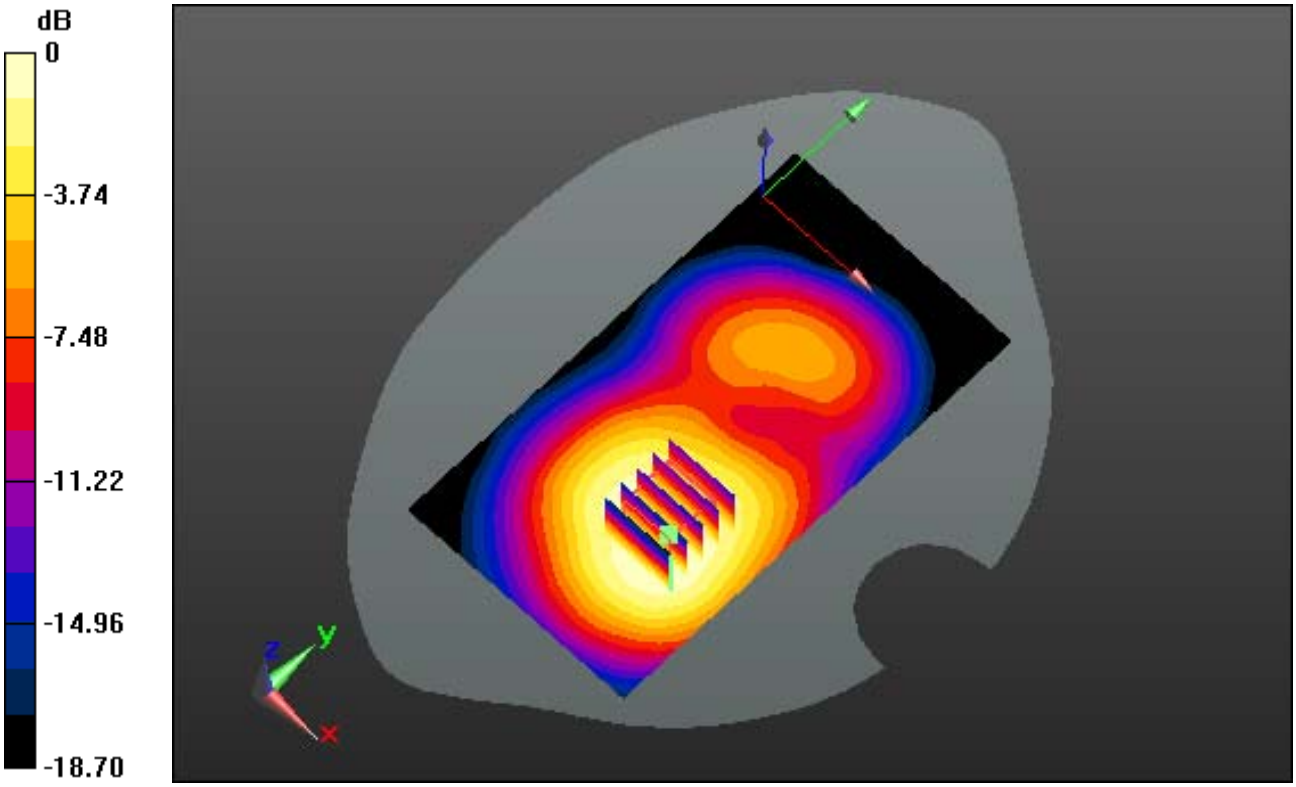
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.231 W/kg
SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.445 W/kg



0 dB = 0.961 W/Kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

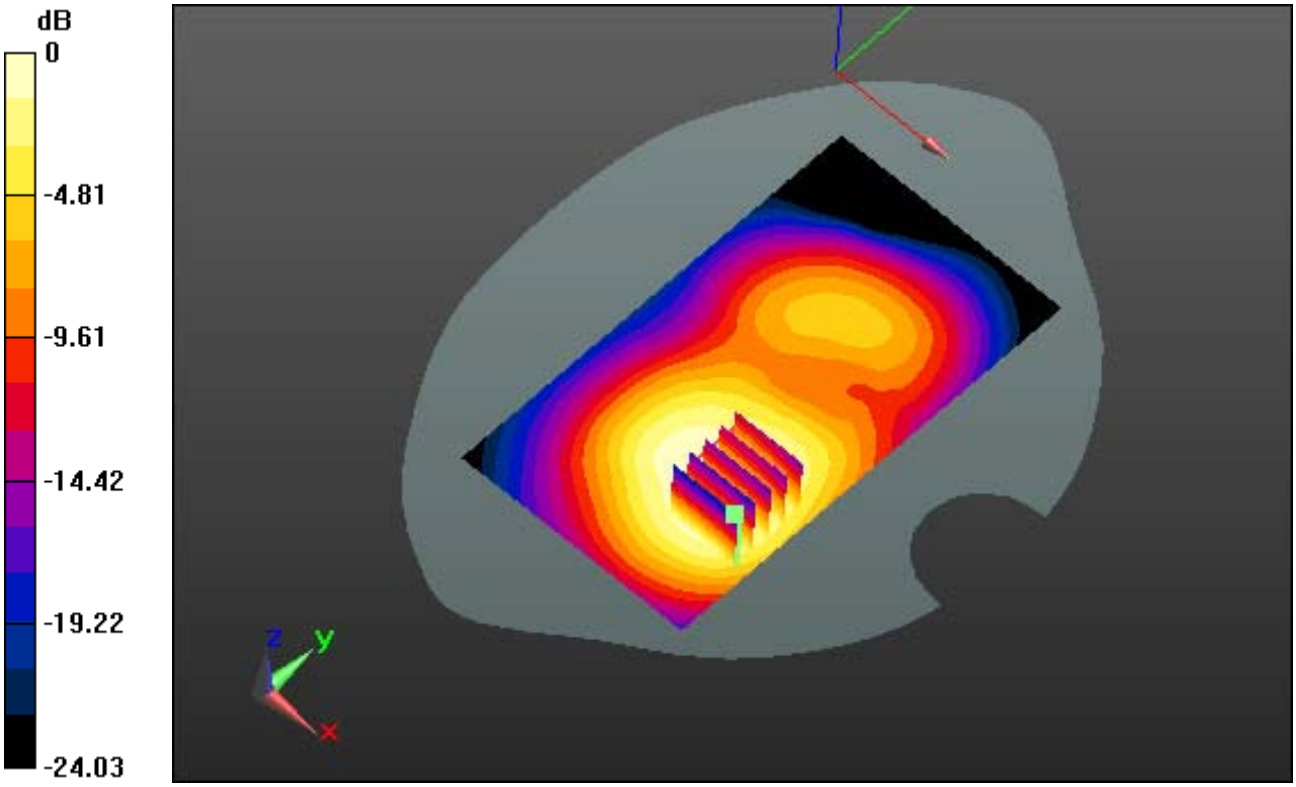
Communication System: PCS1900_Class 12 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.075
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (71x131x1): 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) = 1.091 W/kg
SAR(1 g) = 0.643 W/kg; SAR(10 g) = 0.382 W/kg



0 dB = 0.853 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

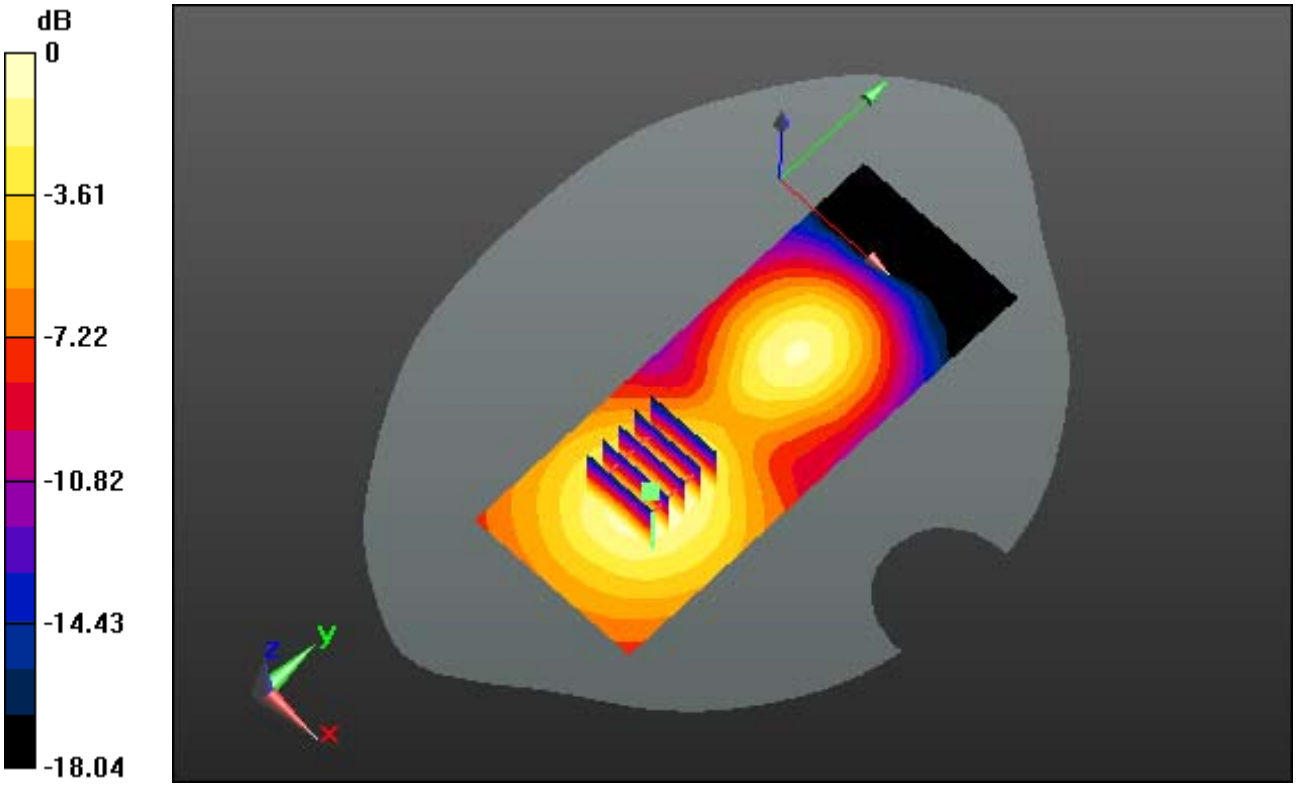
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (51x131x1): 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) = 0.304 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.109 W/kg



0 dB = 0.245 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

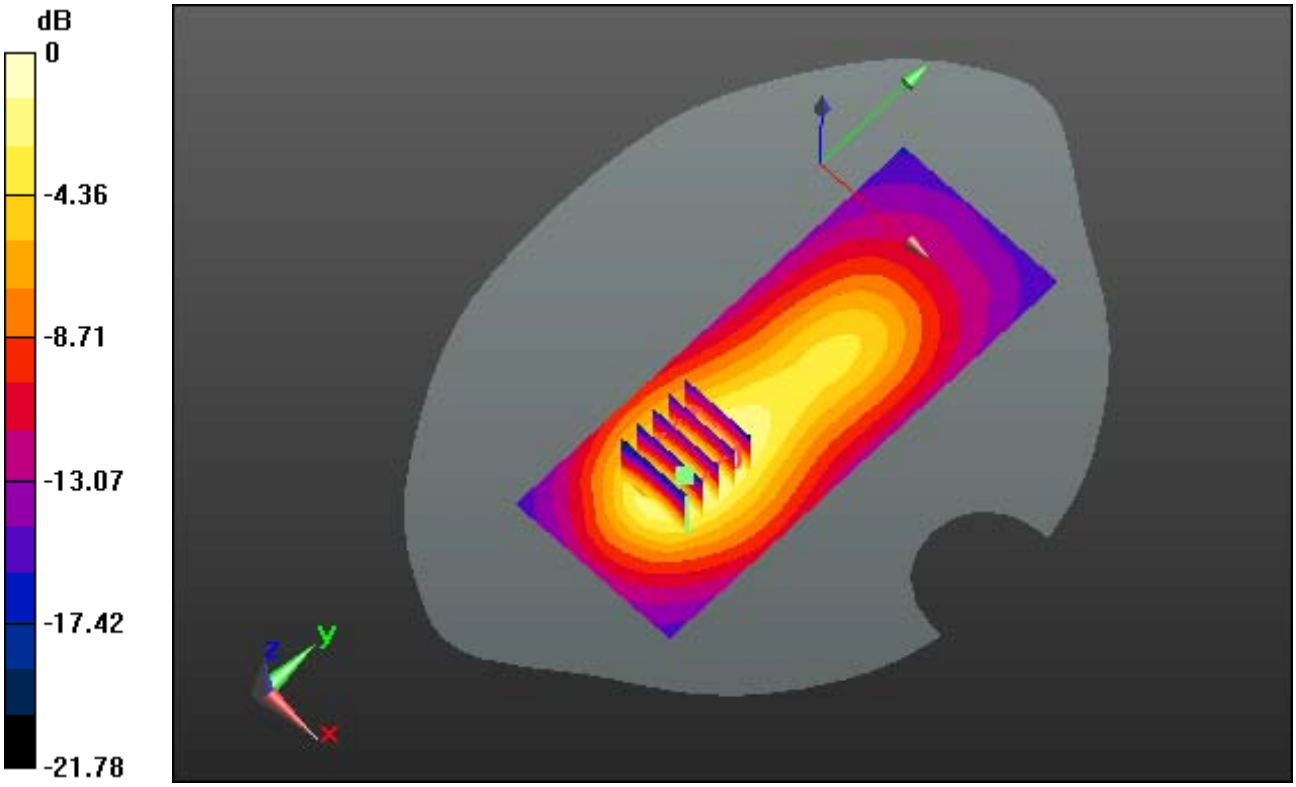
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp:22.1

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

Area Scan (51x131x1): 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) = 0.713 W/kg
SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.229 W/kg



0 dB = 0.556 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

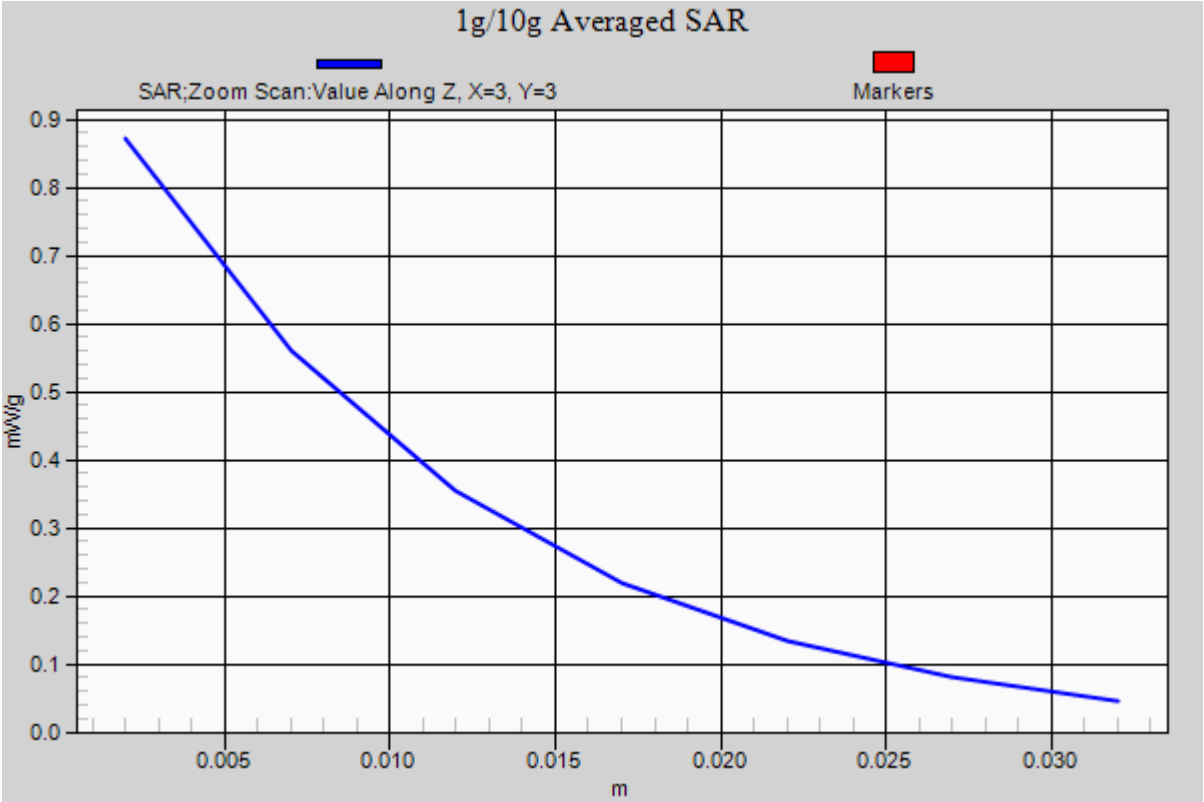
Communication System: PCS1900_Class 11 (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.506 mho/m; ε_r = 52.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.79, 7.79, 7.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-07; Ambient Temp: 21.4; Tissue Temp: 22.1

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

Area Scan (71x131x1): 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) = 1.231 W/kg
SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.445 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

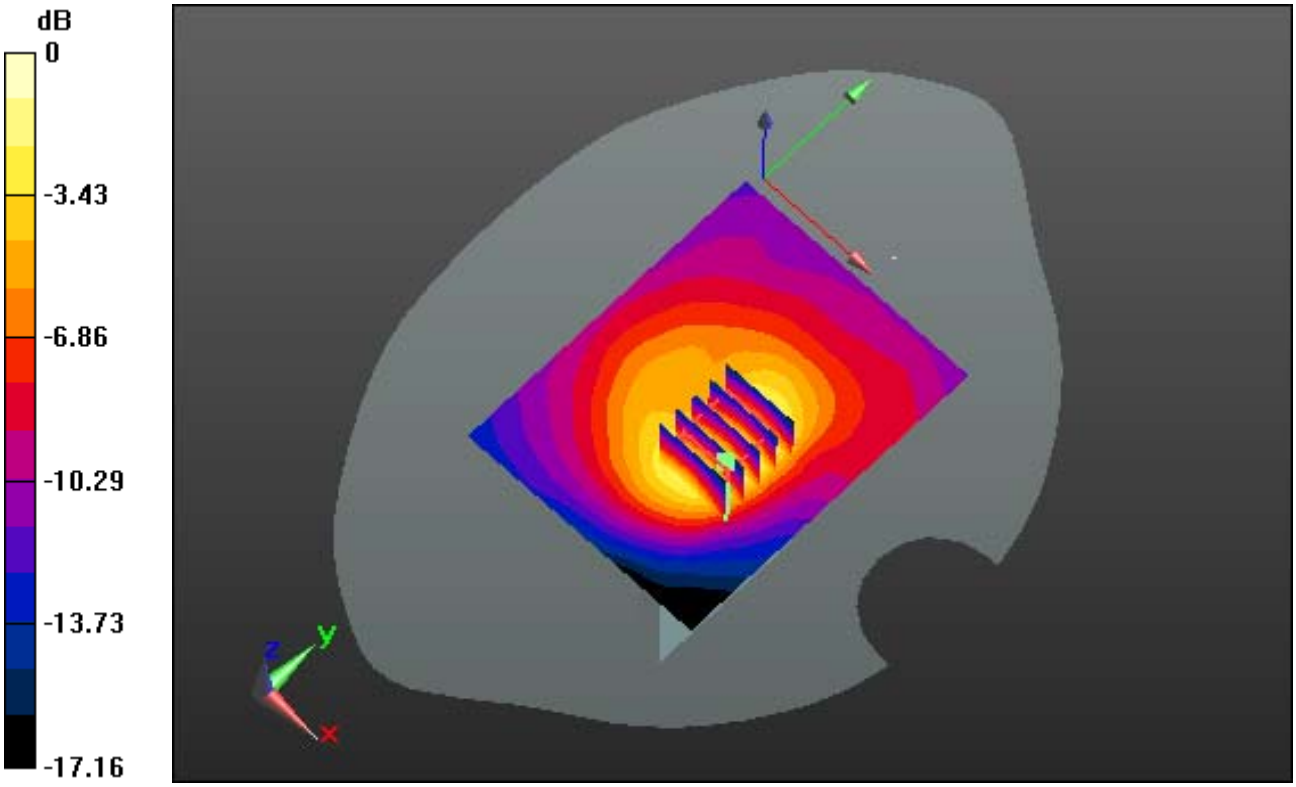
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp:22.8

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

Area Scan (71x91x1): 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) = 0.136 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.044 W/kg



0 dB = 0.107 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

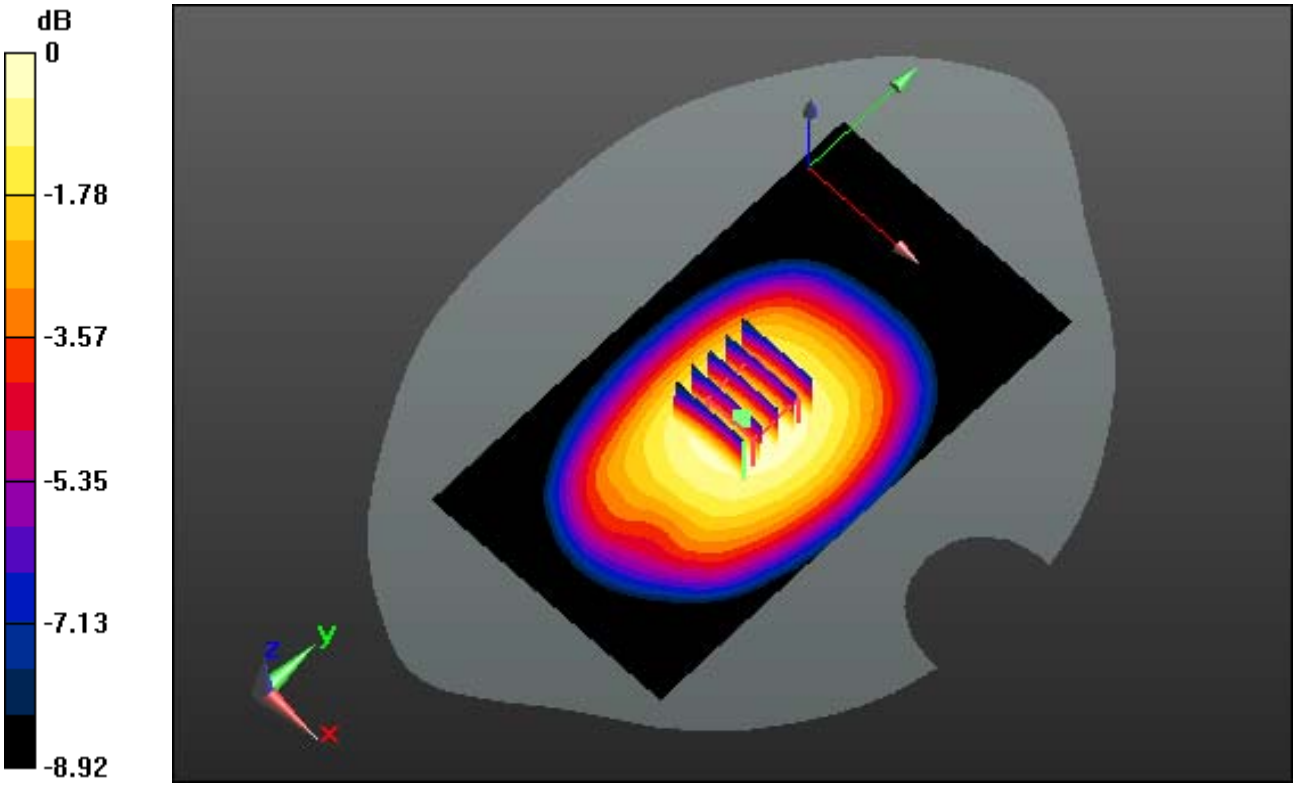
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp:22.8

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

Area Scan (71x131x1): 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) = 0.676 W/kg
SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.405 W/kg



0 dB = 0.614 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

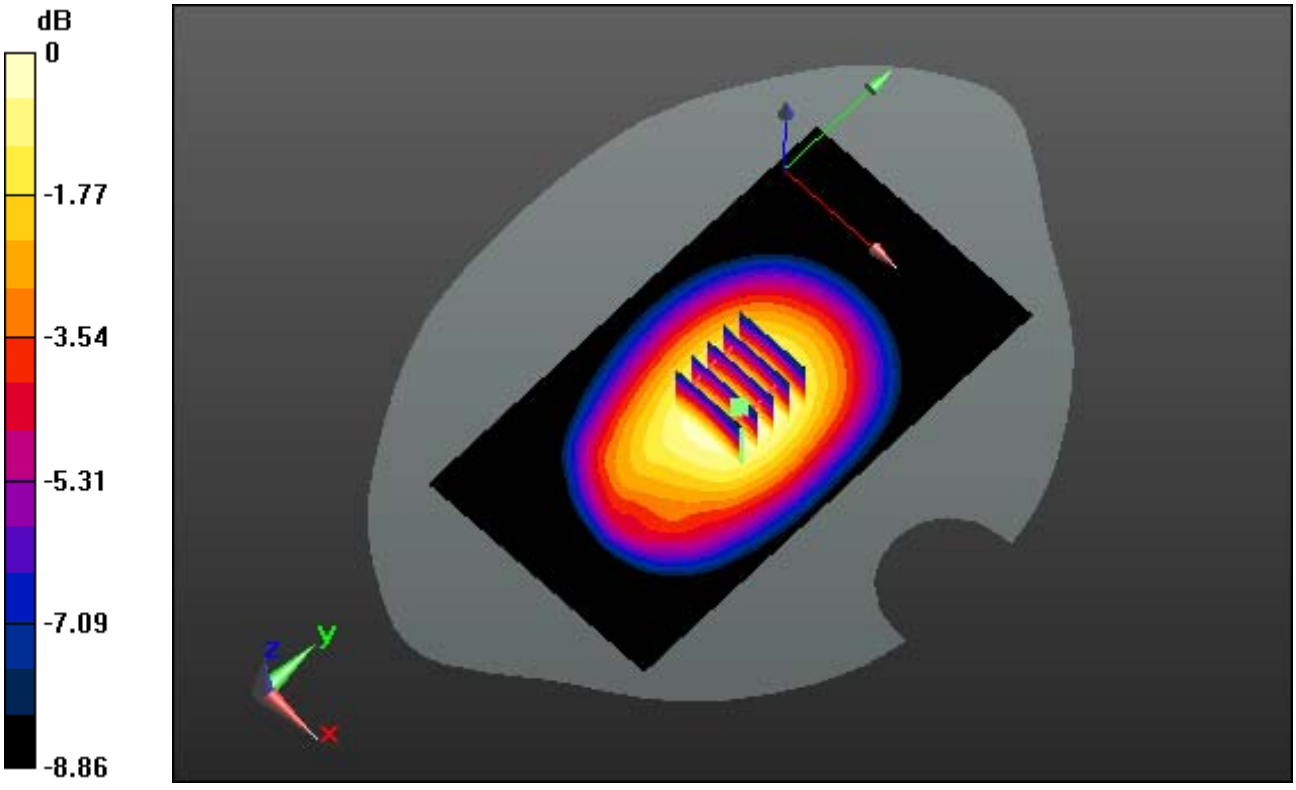
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x131x1): 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) = 0.939 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.547 W/kg



0 dB = 0.850 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

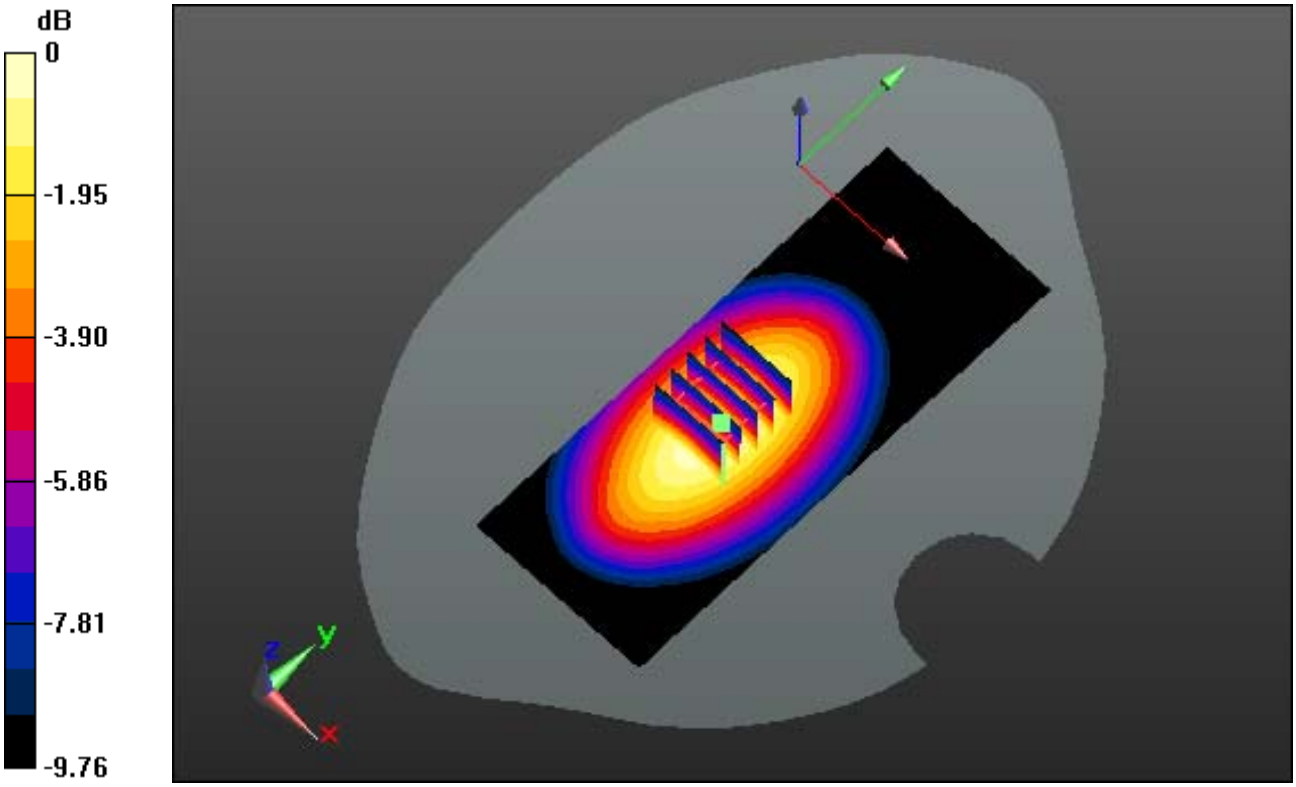
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp:22.8

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

Area Scan (51x131x1): 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) = 0.961 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.467 W/kg



0 dB = 0.834 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

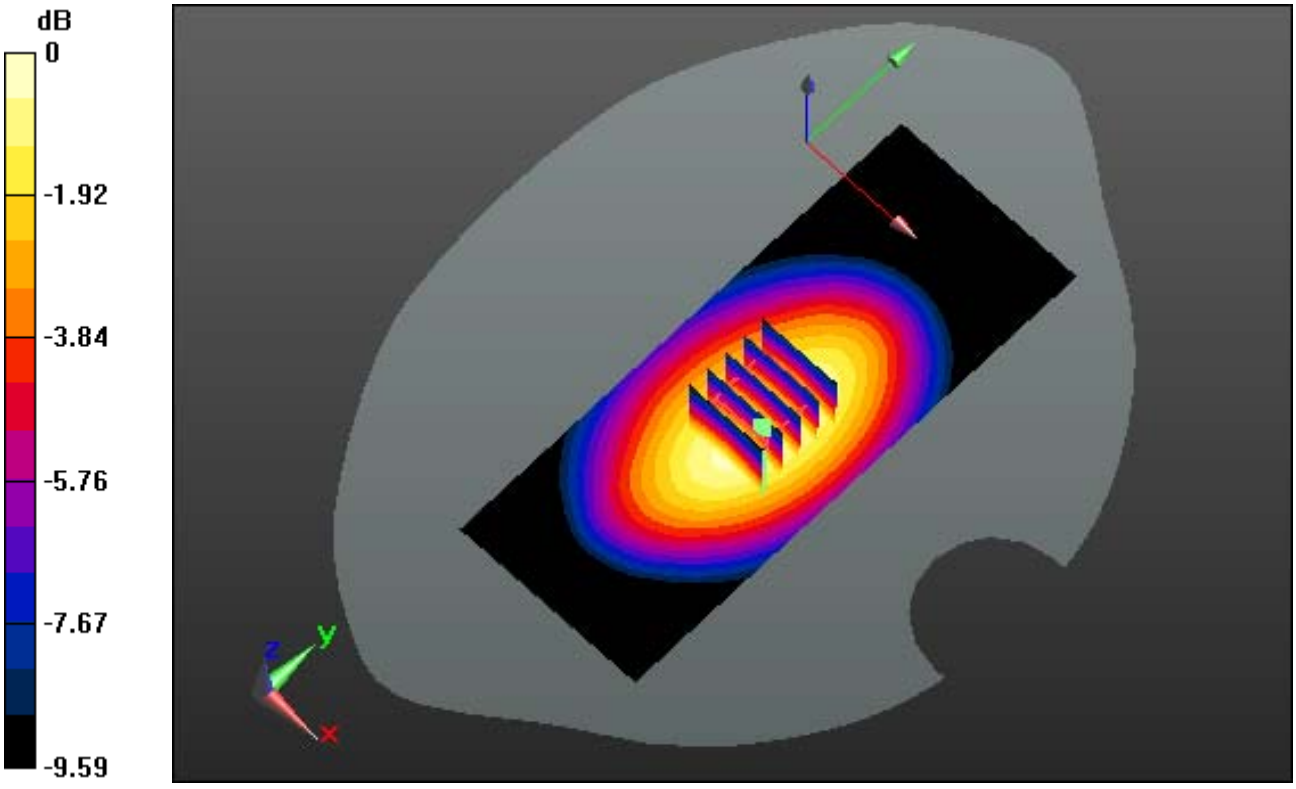
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp:22.8

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

Area Scan (51x131x1): 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) = 0.663 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.331 W/kg



0 dB = 0.577 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

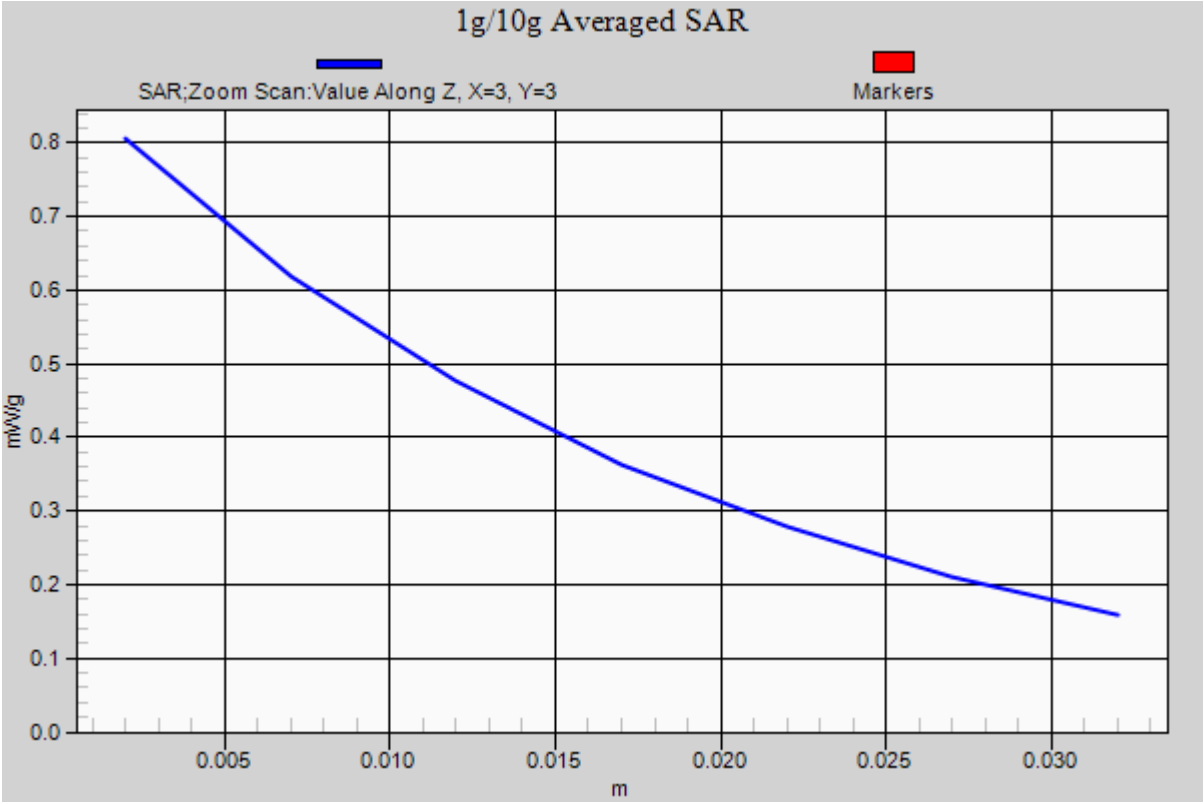
Communication System: WCDMA 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.987 mho/m; ε_r = 55.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-06; Ambient Temp: 22.2; Tissue Temp: 22.8

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

Area Scan (71x131x1): 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) = 0.939 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.547 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

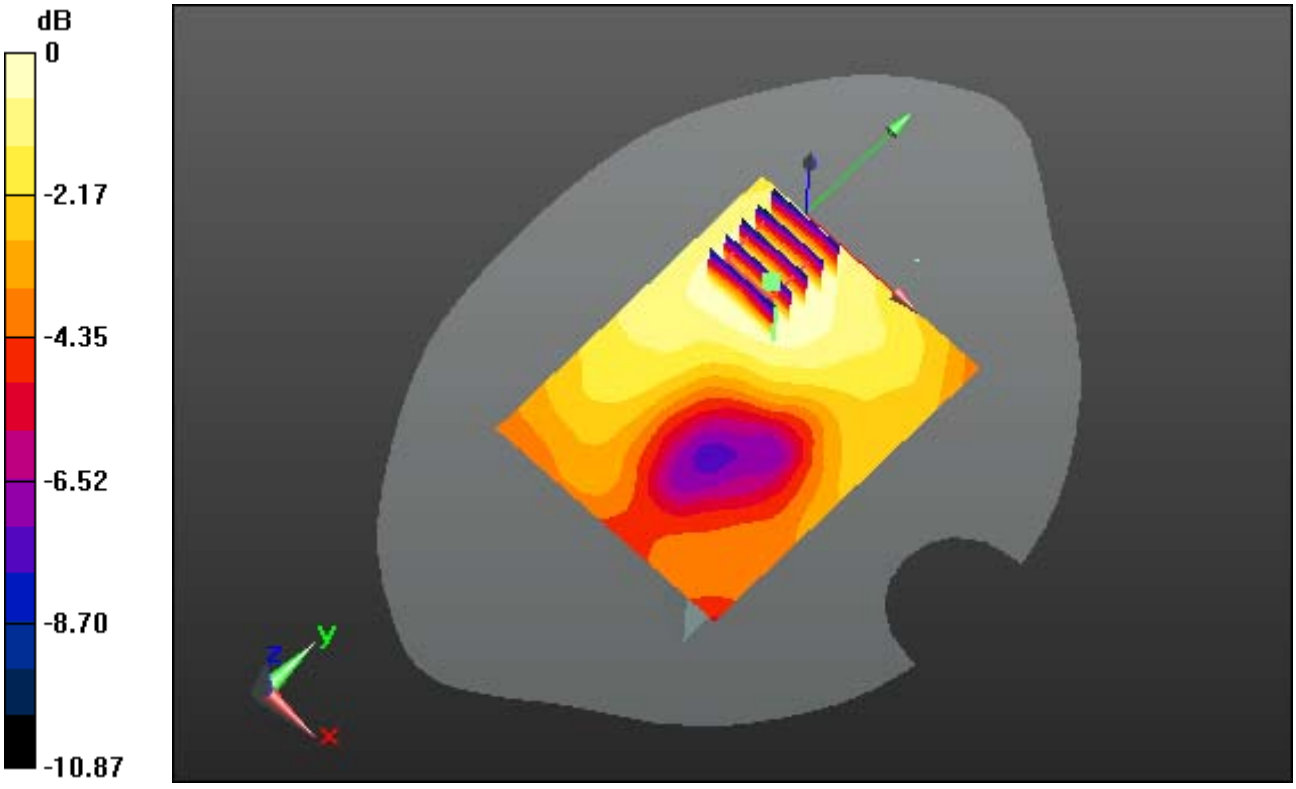
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.991 mho/m; ε_r = 54.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Bottom, CDMA Cellular Ch. 384, Ant Internal

Area Scan (71x91x1): 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) = 0.019 W/kg
SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00971 W/kg



0 dB = 0.0160 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

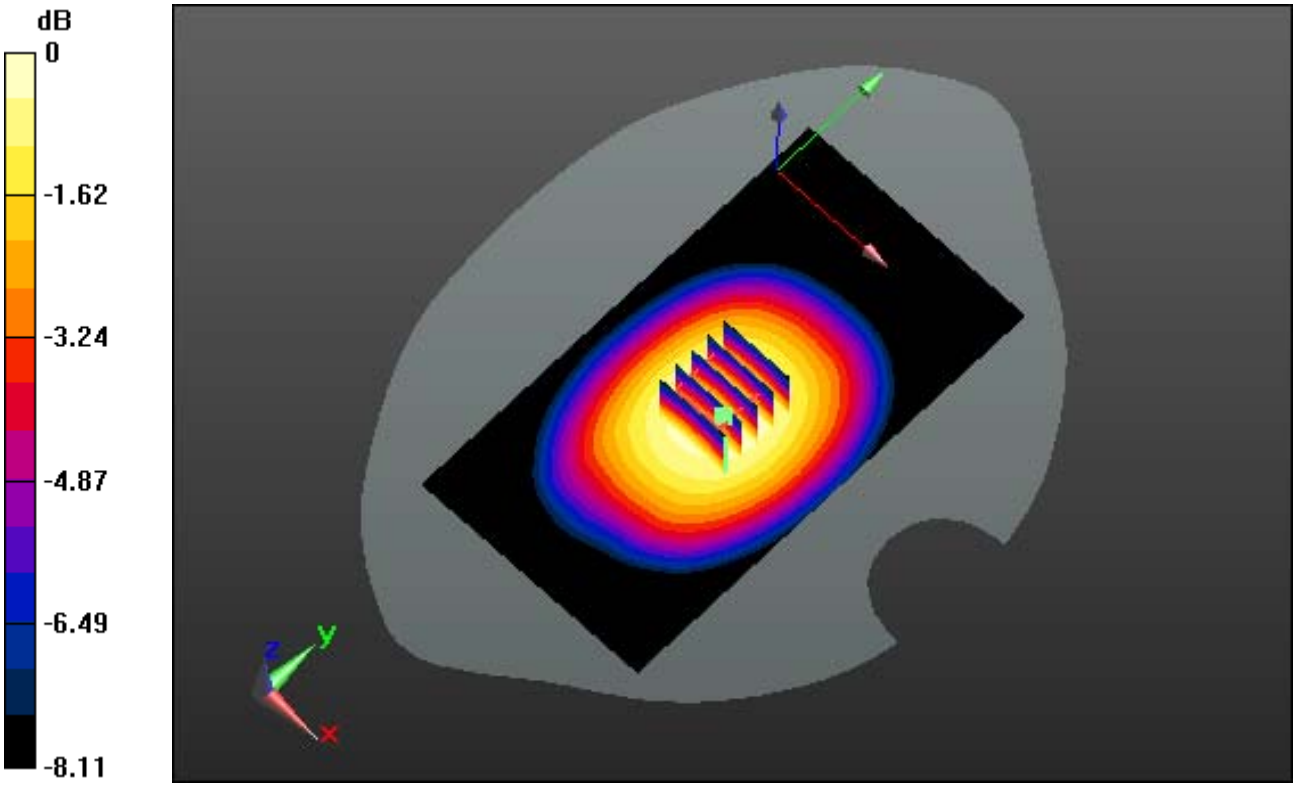
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.991 mho/m; ε_r = 54.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

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

Area Scan (71x131x1): 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) = 0.880 W/kg
SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.520 W/kg



0 dB = 0.797 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

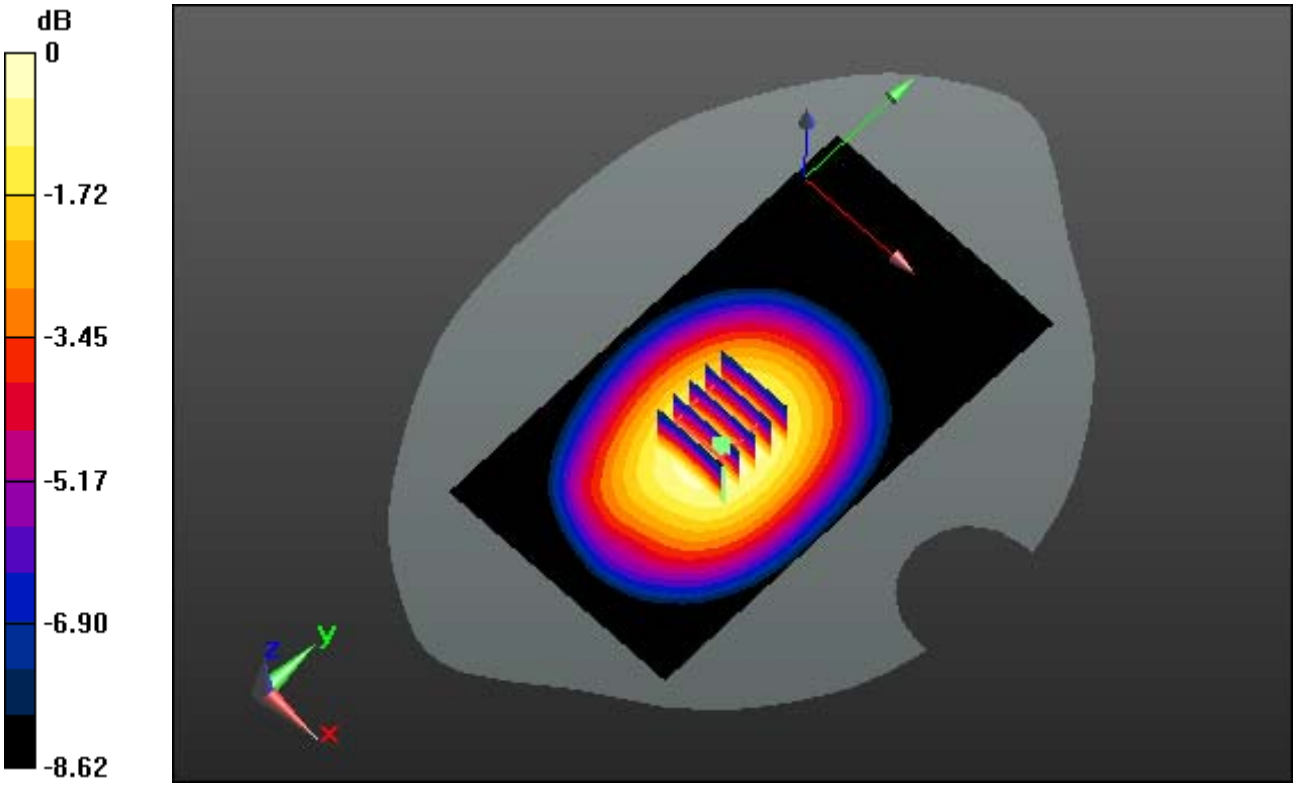
Communication System: FCC CDMA (0); Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.981 mho/m; ε_r = 55.032; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Rear, CDMA Cellular Ch. 1013, Ant Internal

Area Scan (71x131x1): 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) = 1.191 W/kg
SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.689 W/kg



0 dB = 1.08 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

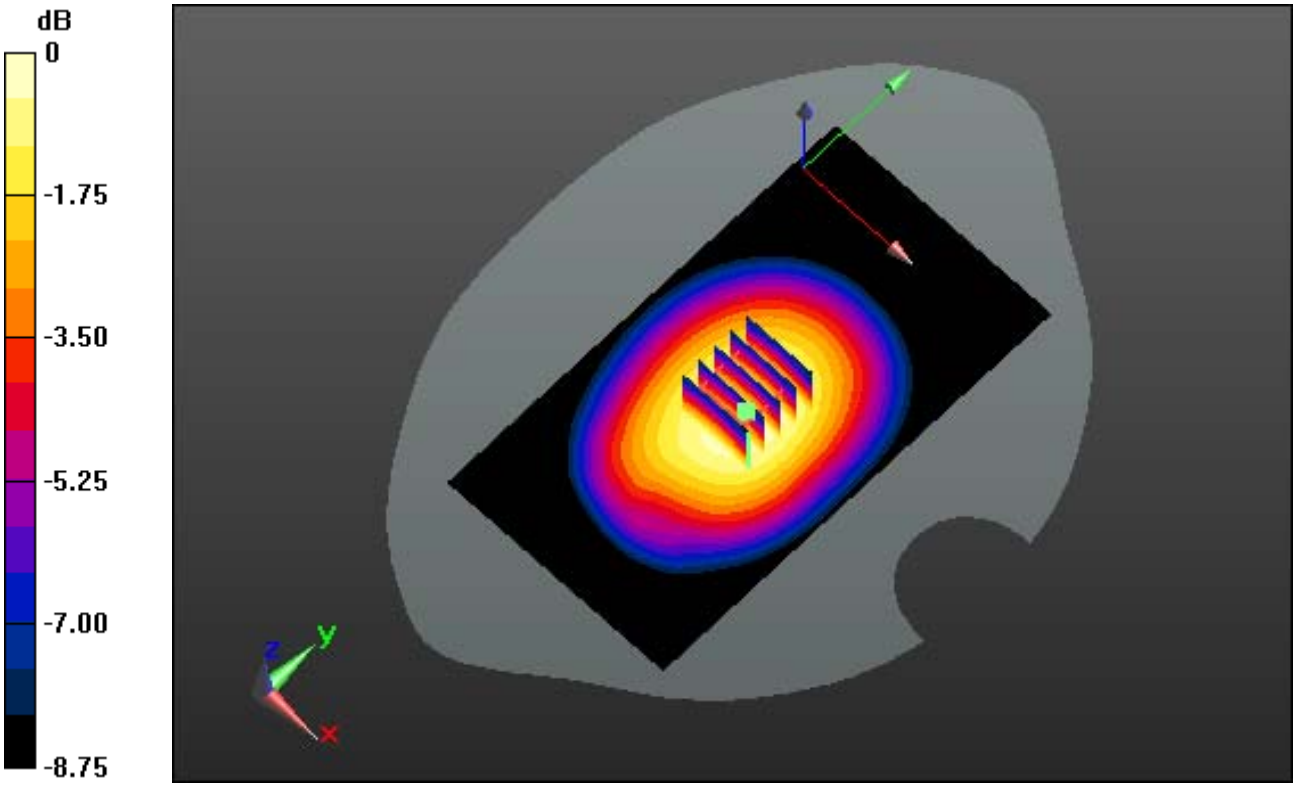
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.991 mho/m; ε_r = 54.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

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

Area Scan (71x131x1): 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) = 1.090 W/kg
SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.628 W/kg



0 dB = 0.989 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

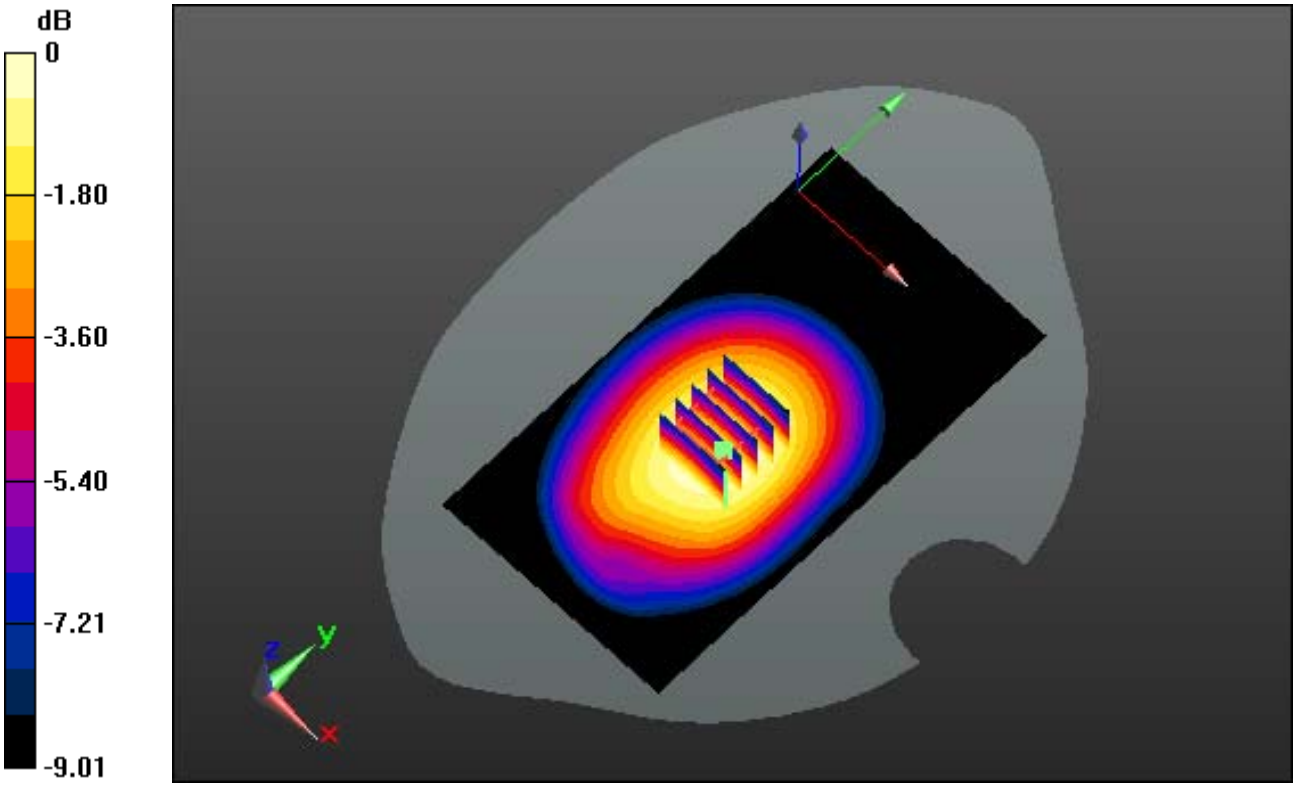
Communication System: FCC CDMA (0); Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 1 mho/m; ε_r = 54.816; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Rear, CDMA Cellular Ch. 777, Ant Internal

Area Scan (71x131x1): 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) = 0.811 W/kg
SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.465 W/kg



0 dB = 0.731 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

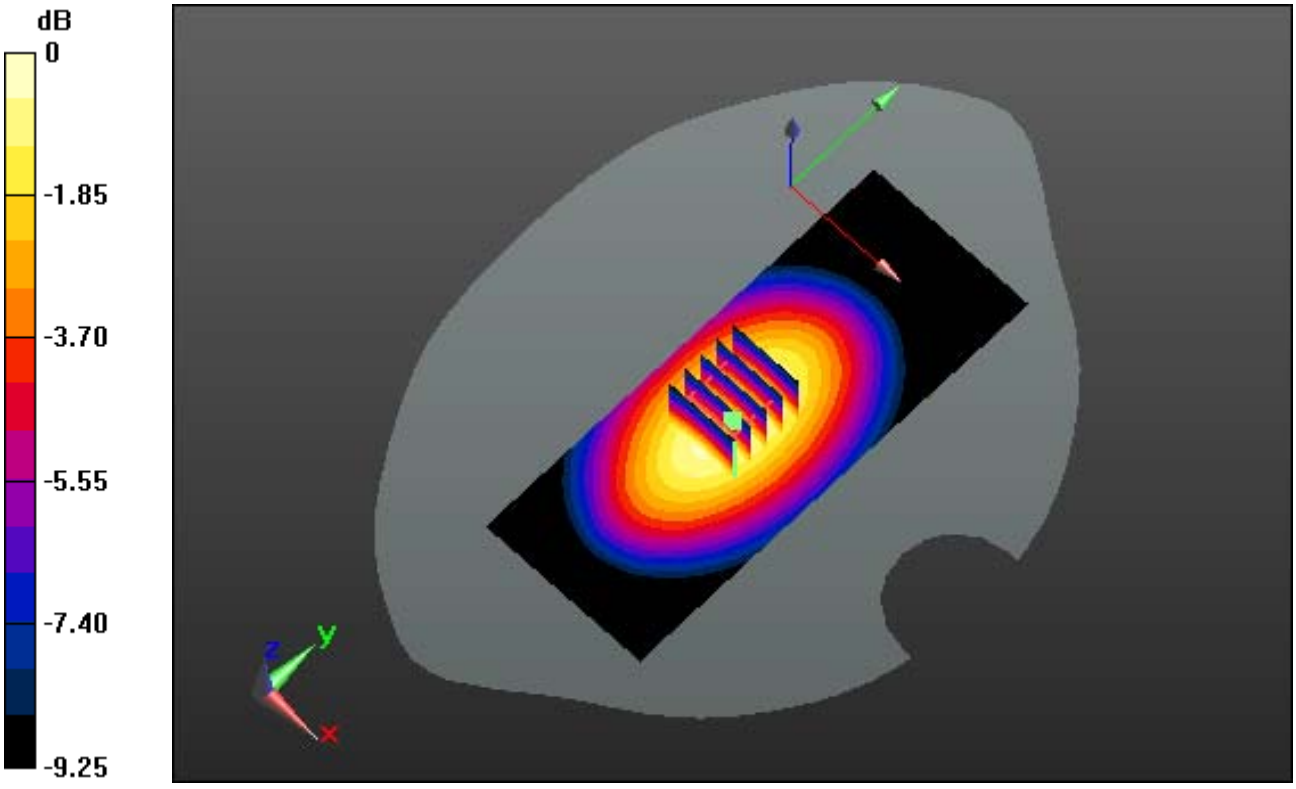
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.991 mho/m; ε_r = 54.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Right, CDMA Cellular Ch. 384, Ant Internal

Area Scan (51x131x1): 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) = 0.878 W/Kg
SAR(1 g) = 0.637 W/Kg; SAR(10 g) = 0.449 W/Kg



0 dB = 0.773 W/Kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

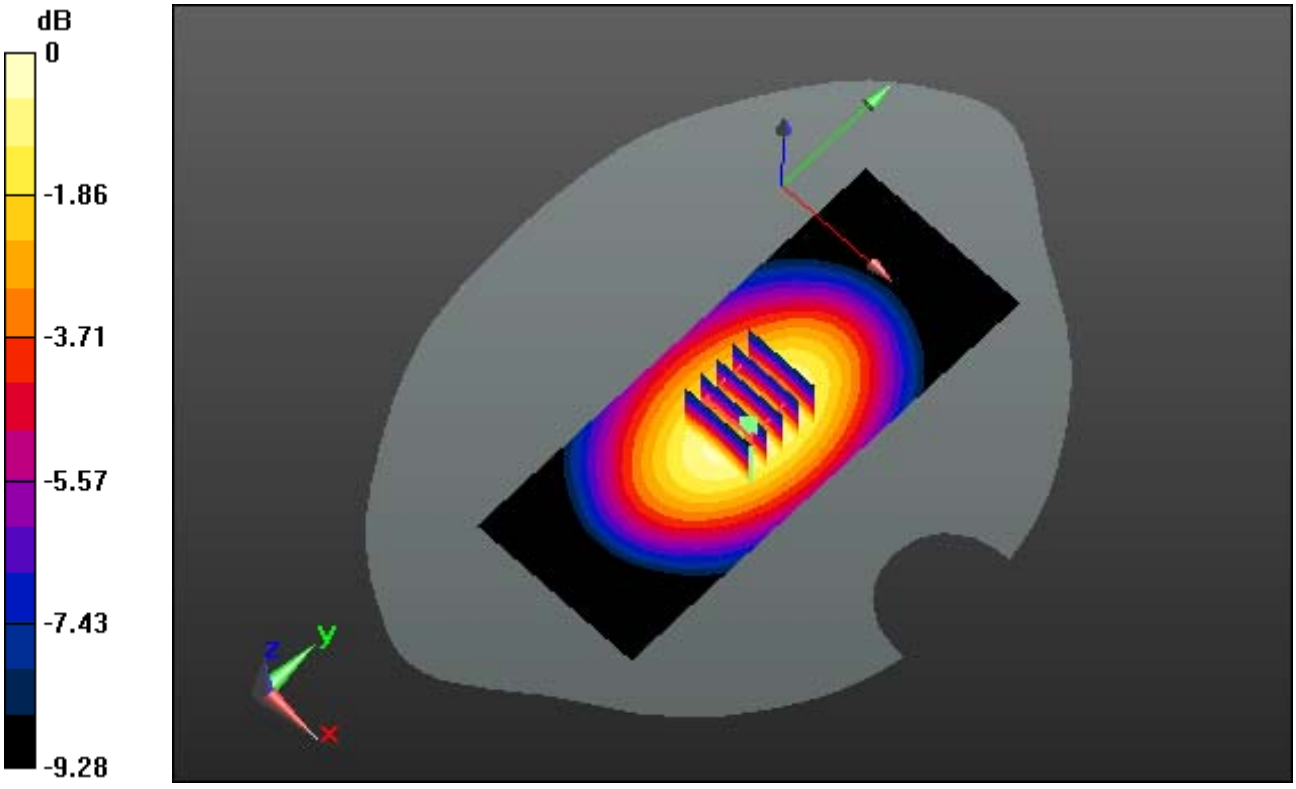
Communication System: FCC CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.991 mho/m; ε_r = 54.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Left, CDMA Cellular Ch. 384, Ant Internal

Area Scan (51x131x1): 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) = 0.608 W/Kg
SAR(1 g) = 0.447 W/Kg; SAR(10 g) = 0.318 W/Kg



0 dB = 0.539 W/Kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

Communication System: FCC CDMA (0); Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.981 mho/m; ε_r = 55.032; ρ = 1000 kg/m^3
Phantom section: Flat Section

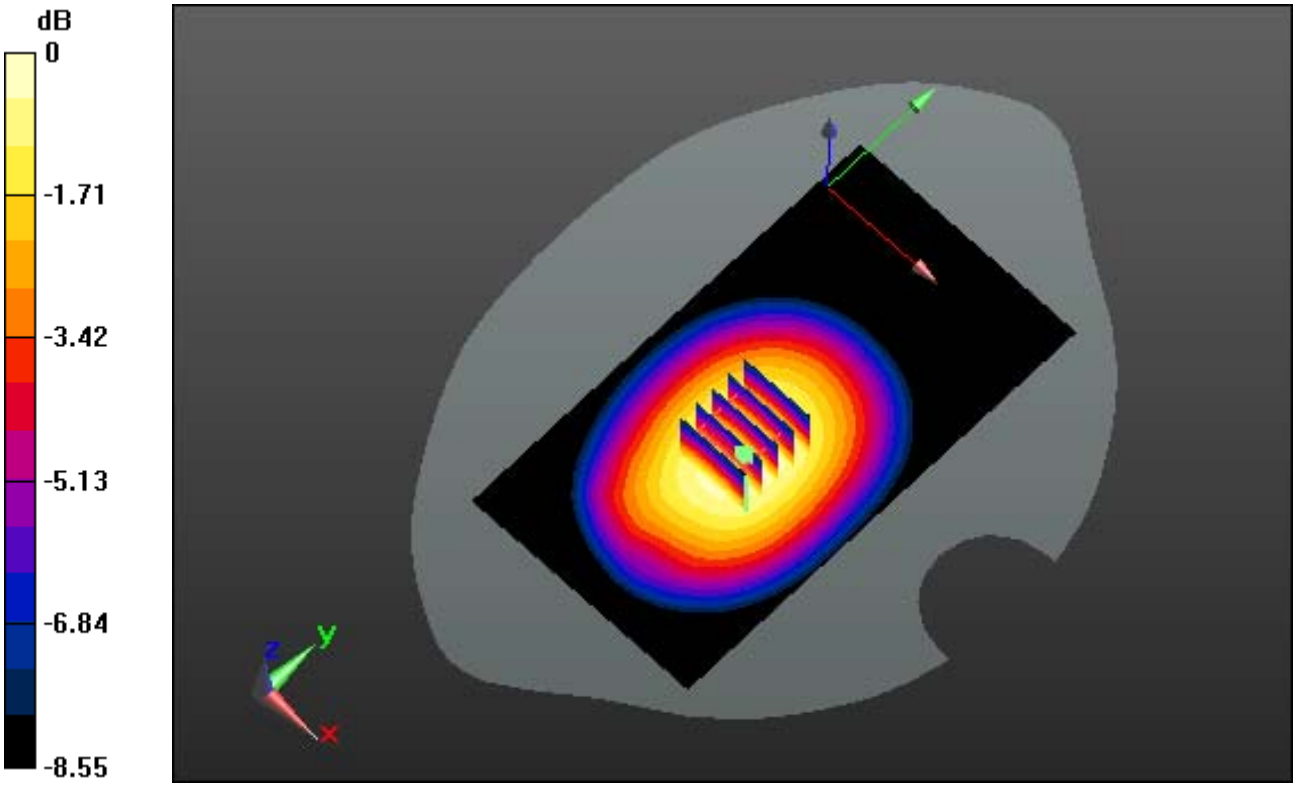
DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Rear, CDMA Cellular Ch. 1013, Ant Internal

SAR Variability Result

Area Scan (71x131x1): 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) = 1.191 W/kg
SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.687 W/kg



0 dB = 1.08 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

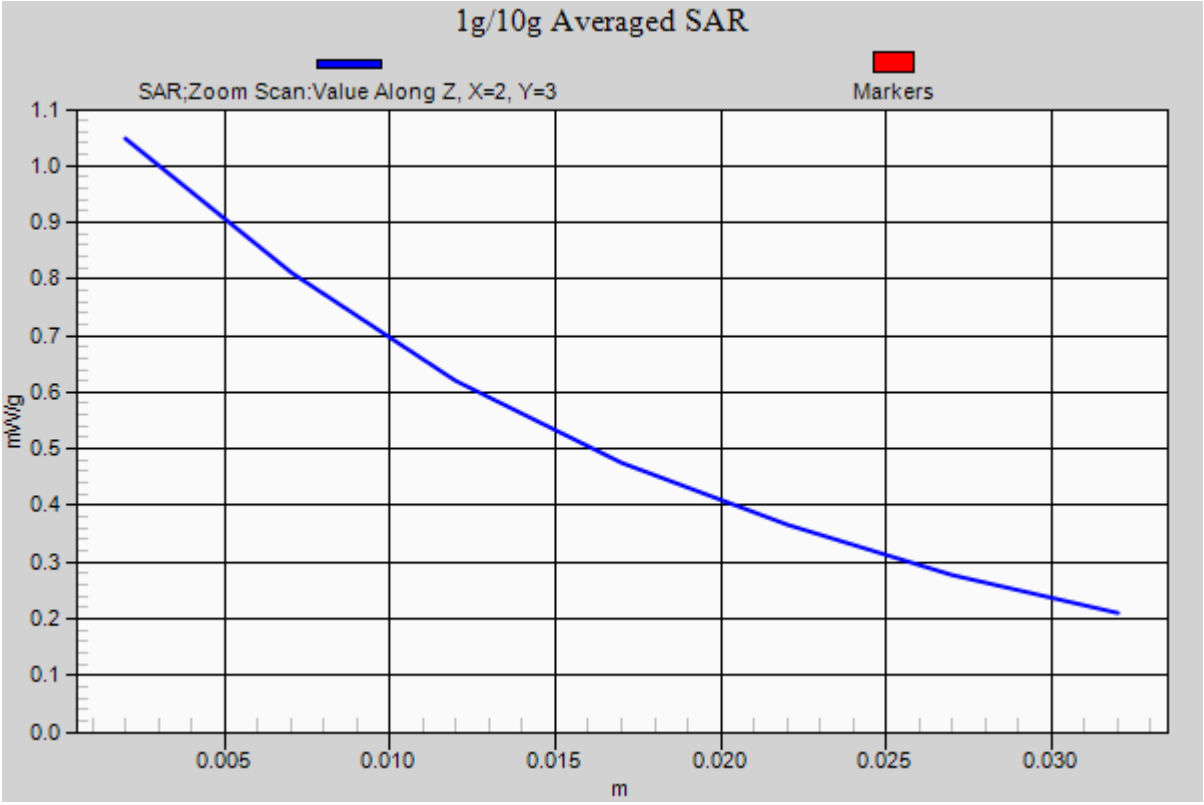
Communication System: FCC CDMA (0); Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.7 MHz; σ = 0.981 mho/m; ε_r = 55.032; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(9.79, 9.79, 9.79); Calibrated: 2013-09-24; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-04; Ambient Temp: 20.7; Tissue Temp:21.3

1 cm space from Body, Rear, CDMA Cellular Ch. 1013, Ant Internal

Area Scan (71x131x1): 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) = 1.191 W/kg
SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.689 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

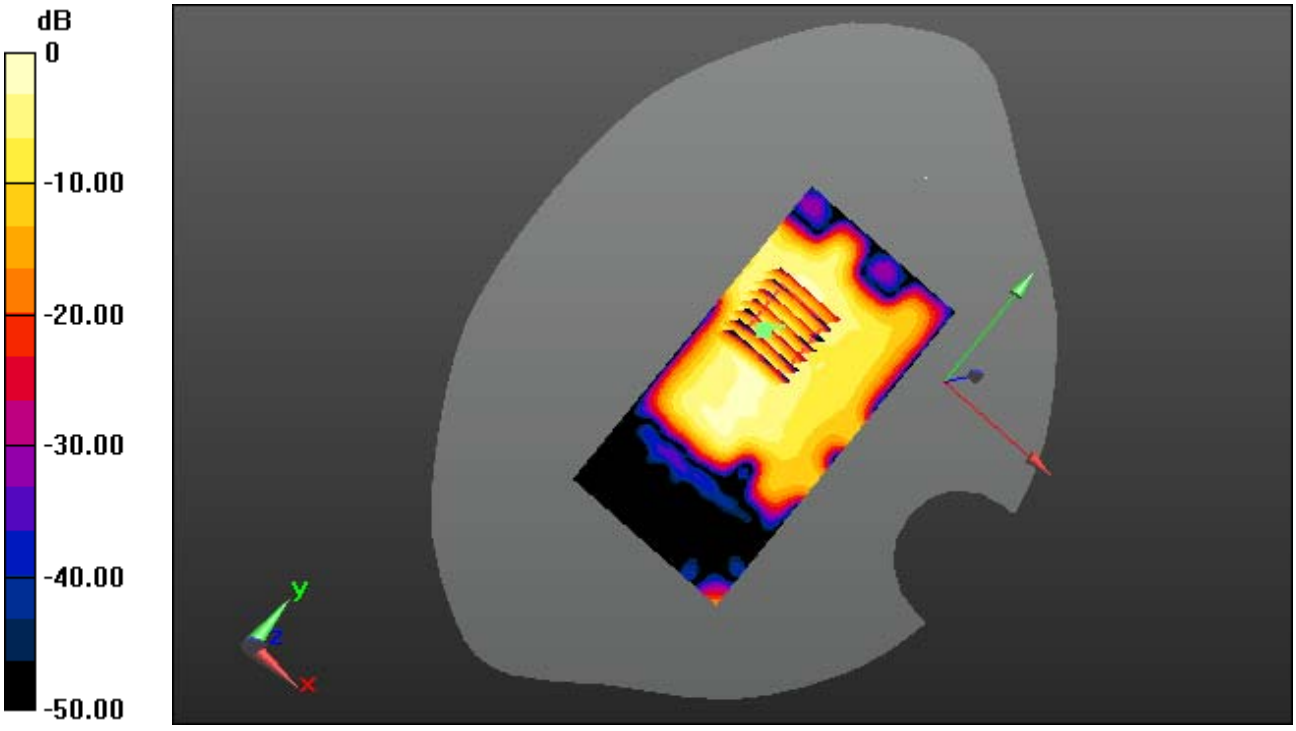
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.941 S/m; ε_r = 52.648; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp:21.9

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

Area Scan (61x121x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.036 W/kg



0 dB = 0.123 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

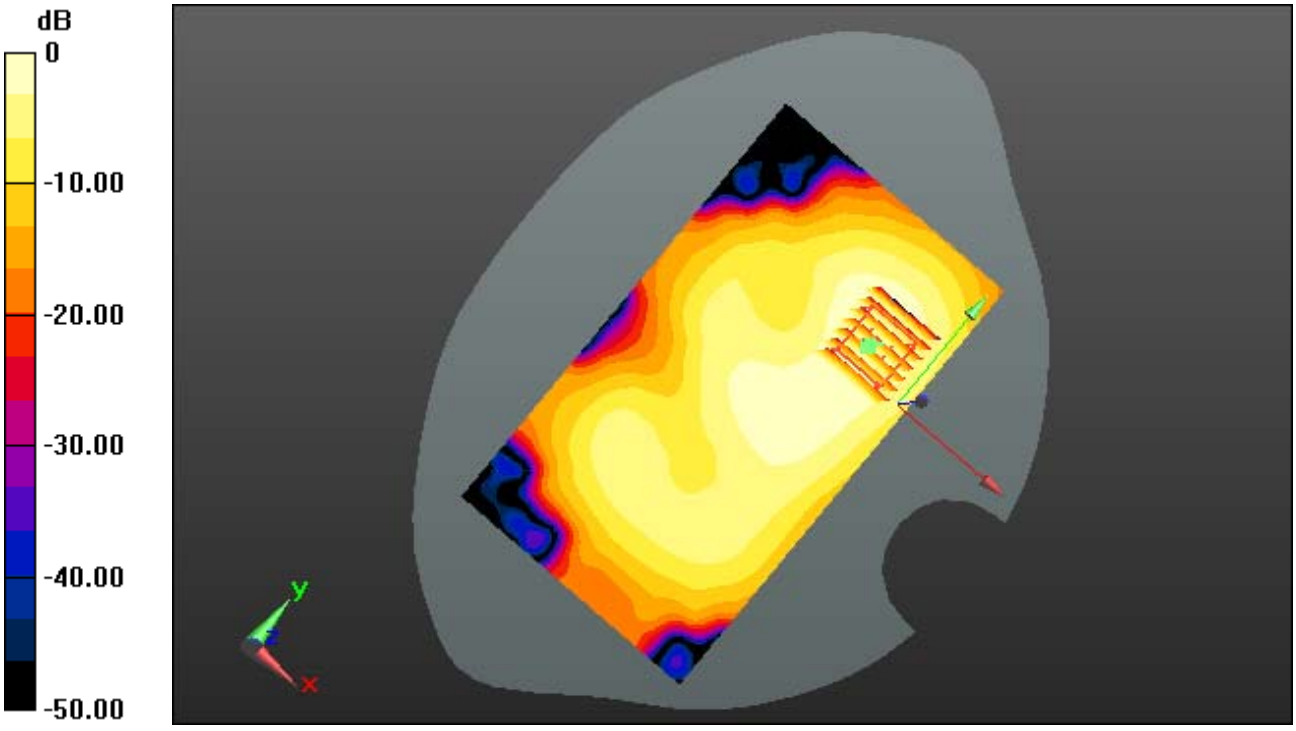
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.941 S/m; ε_r = 52.648; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp:21.9

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

Area Scan (91x161x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.069 W/kg



0 dB = 0.189 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

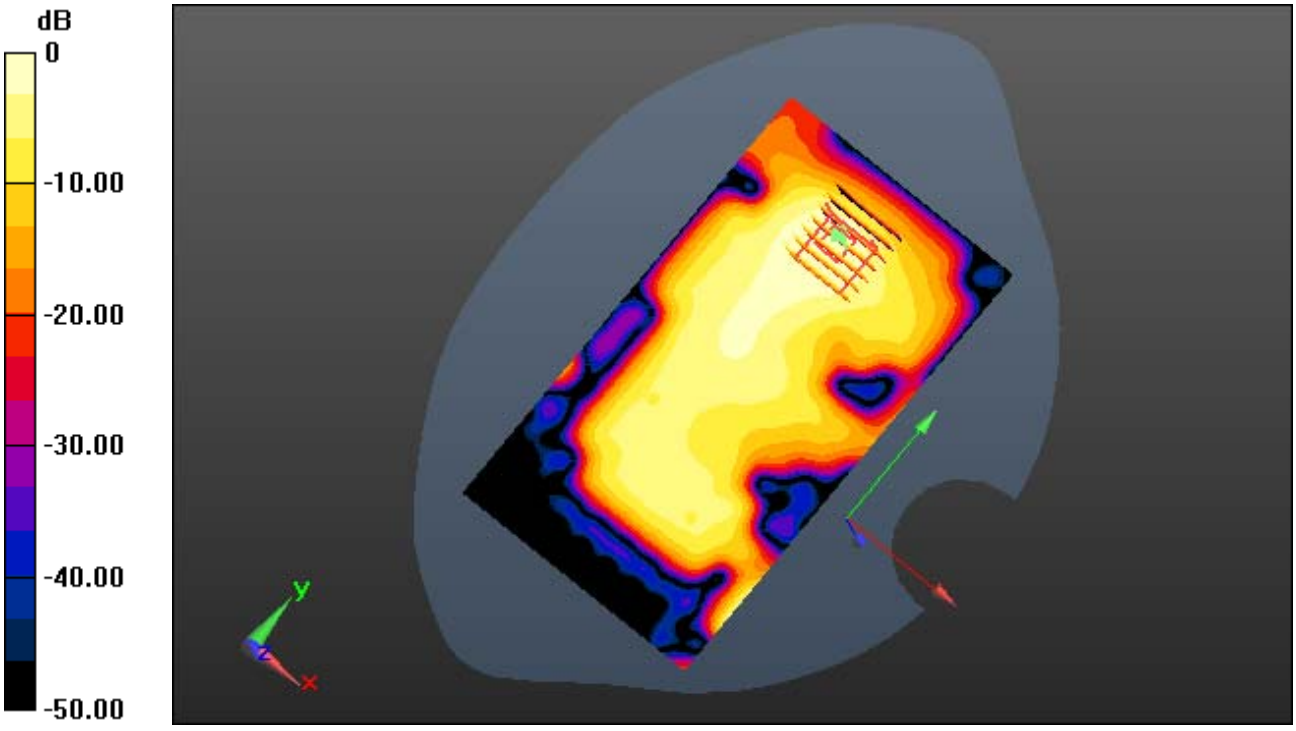
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.941 S/m; ε_r = 52.648; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp:21.9

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

Area Scan (91x161x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.100 W/kg



0 dB = 0.339 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

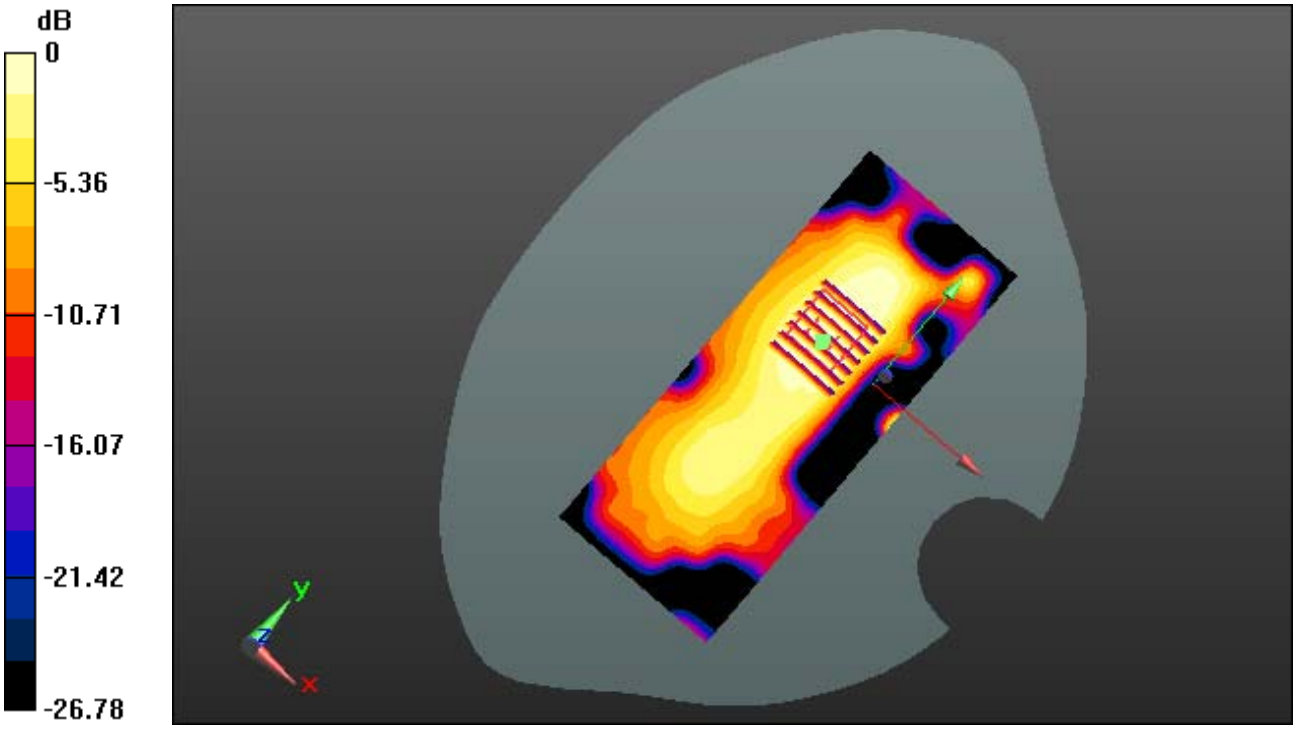
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.941 S/m; ε_r = 52.648; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp:21.9

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

Area Scan (61x151x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.326 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.089 W/kg



0 dB = 0.241 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

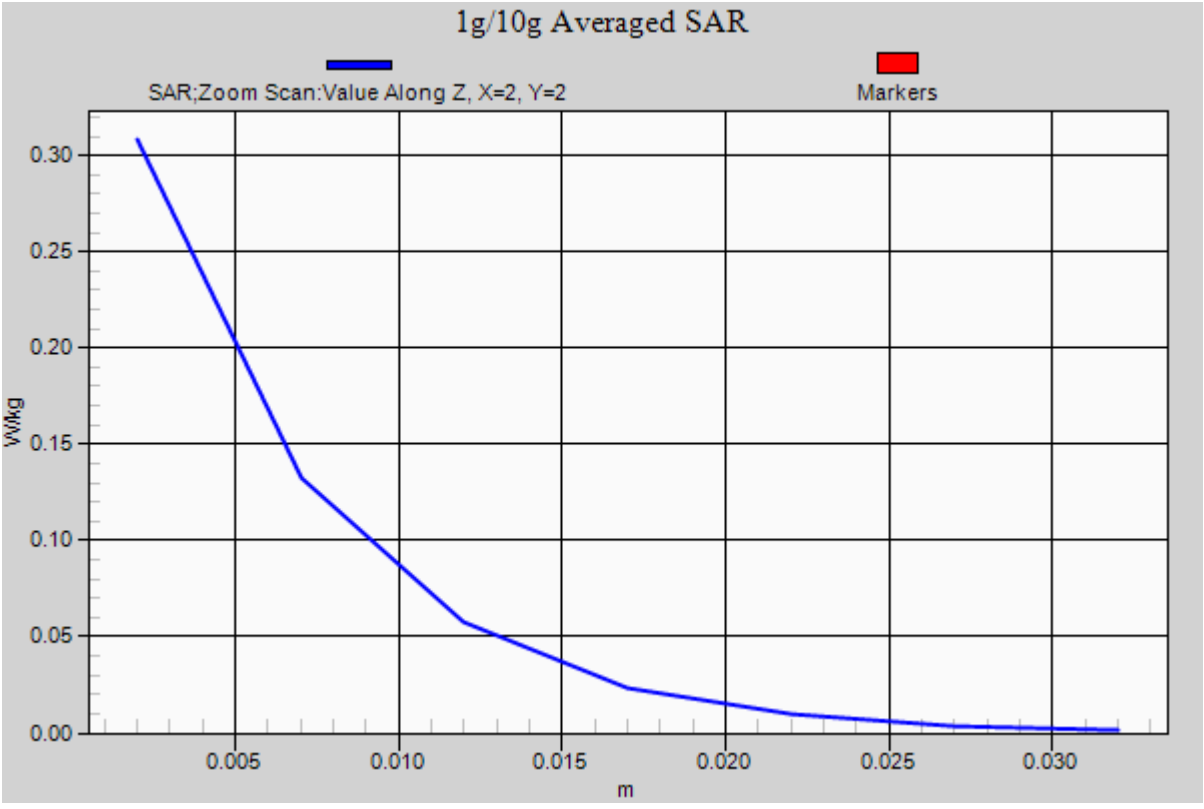
Communication System: W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.941 S/m; ε_r = 52.648; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(7.36, 7.36, 7.36); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-20; Ambient Temp: 21.0; Tissue Temp:21.9

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

Area Scan (91x161x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.100 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

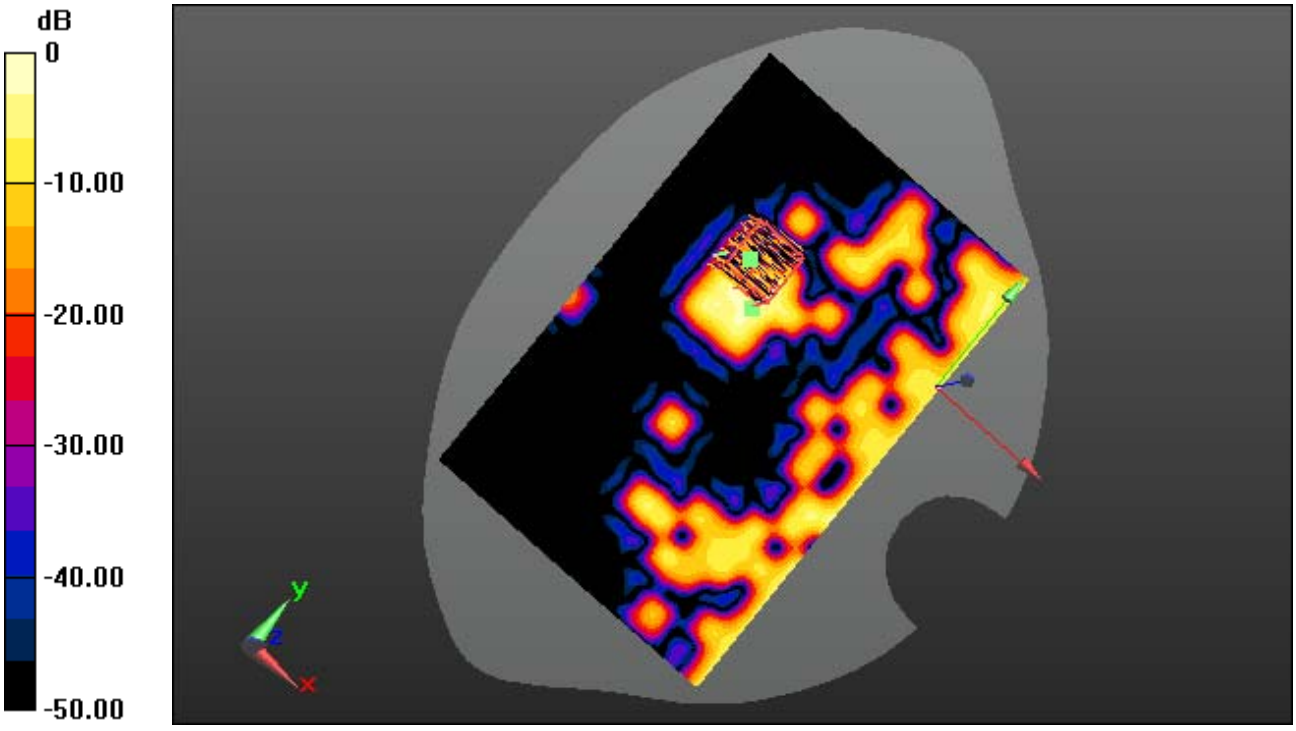
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.341 S/m; ε_r = 47.861; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.6, 4.6, 4.6); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

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

Area Scan (131x201x1): Interpolated 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) = 0.359 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.00629 W/kg



0 dB = 0.150 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

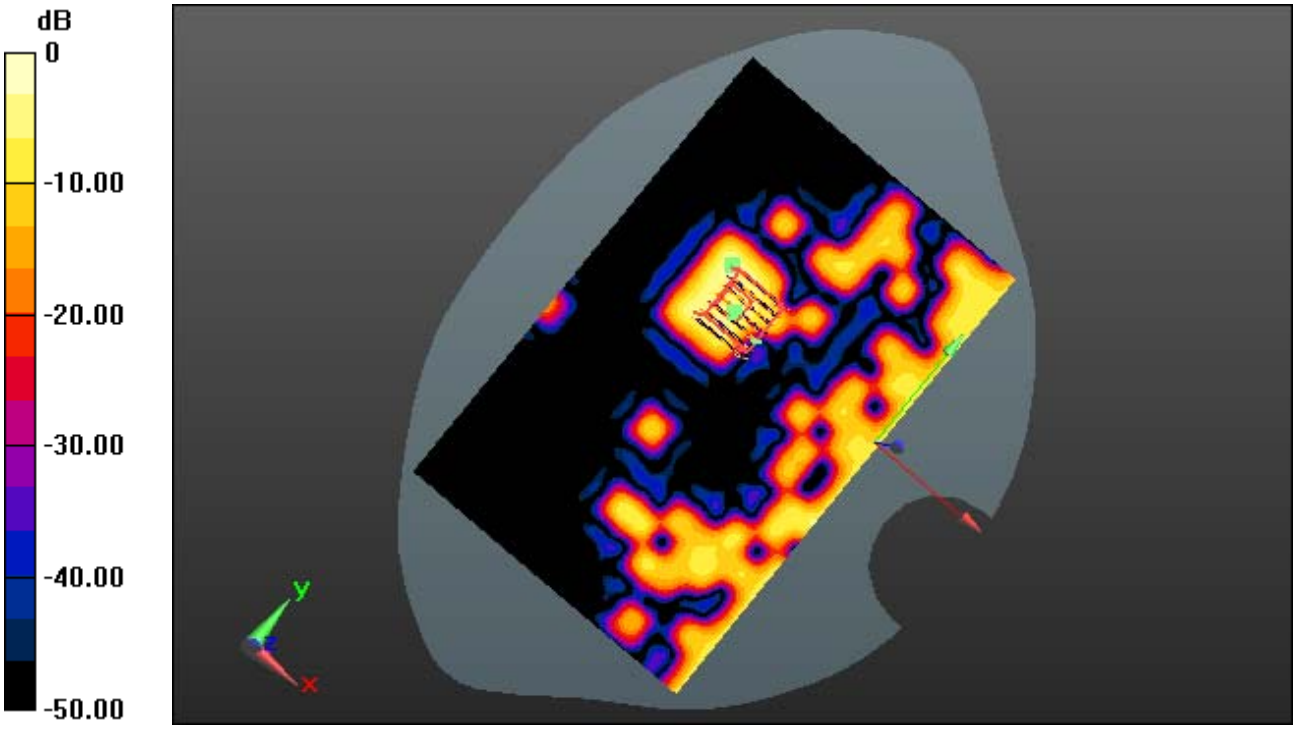
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.341 S/m; ε_r = 47.861; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.6, 4.6, 4.6); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

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

Area Scan (131x201x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.012 W/kg



0 dB = 0.176 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

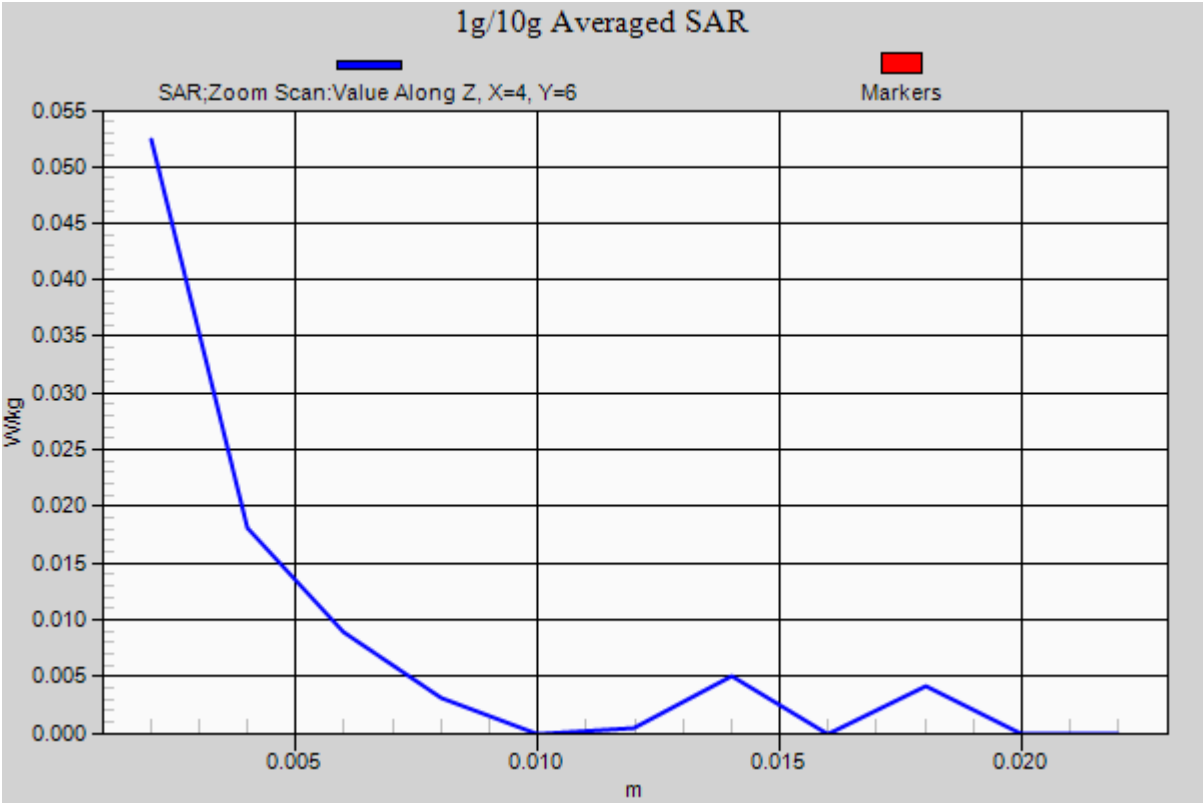
Communication System: W-LAN_5200; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.341 S/m; ε_r = 47.861; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.6, 4.6, 4.6); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

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

Area Scan (131x201x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.012 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

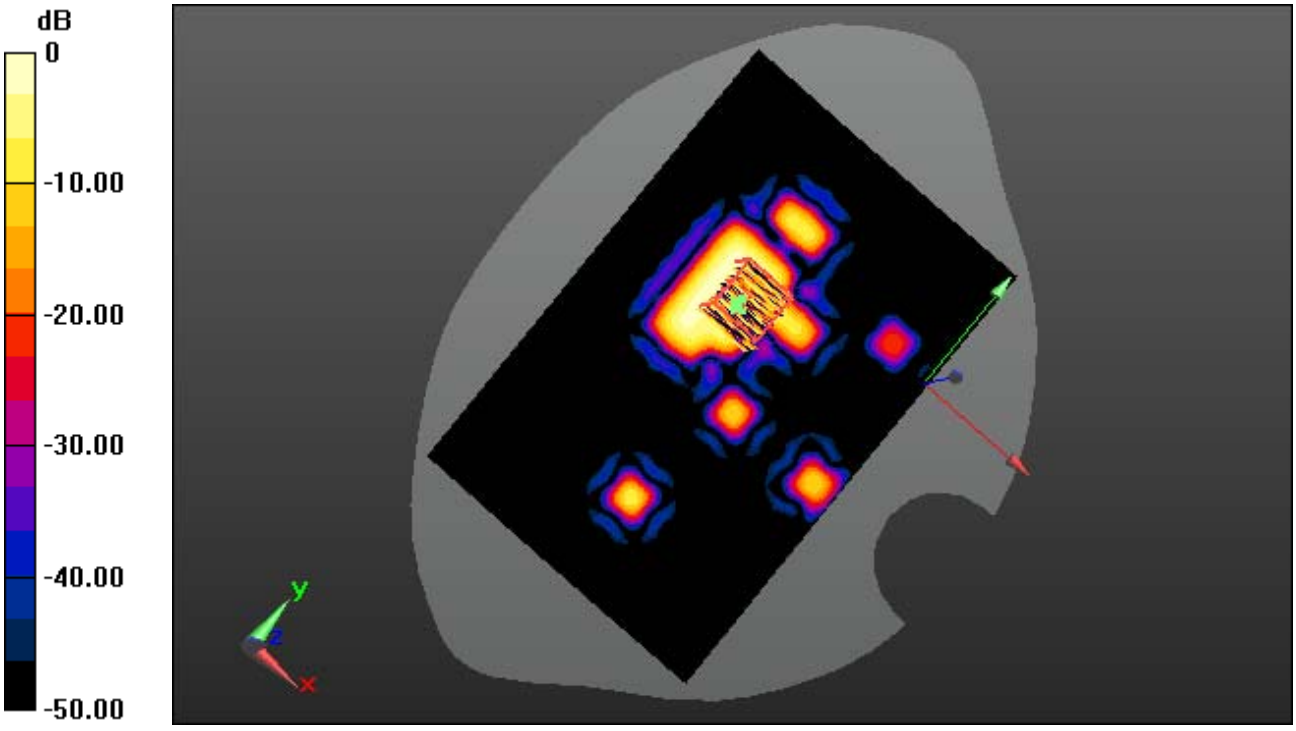
Communication System: W-LAN_5200; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.443 S/m; ε_r = 47.809; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.33, 4.33, 4.33); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

1 cm space from Body, Rear, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal

Area Scan (131x201x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.396 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.020 W/kg



0 dB = 0.148 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

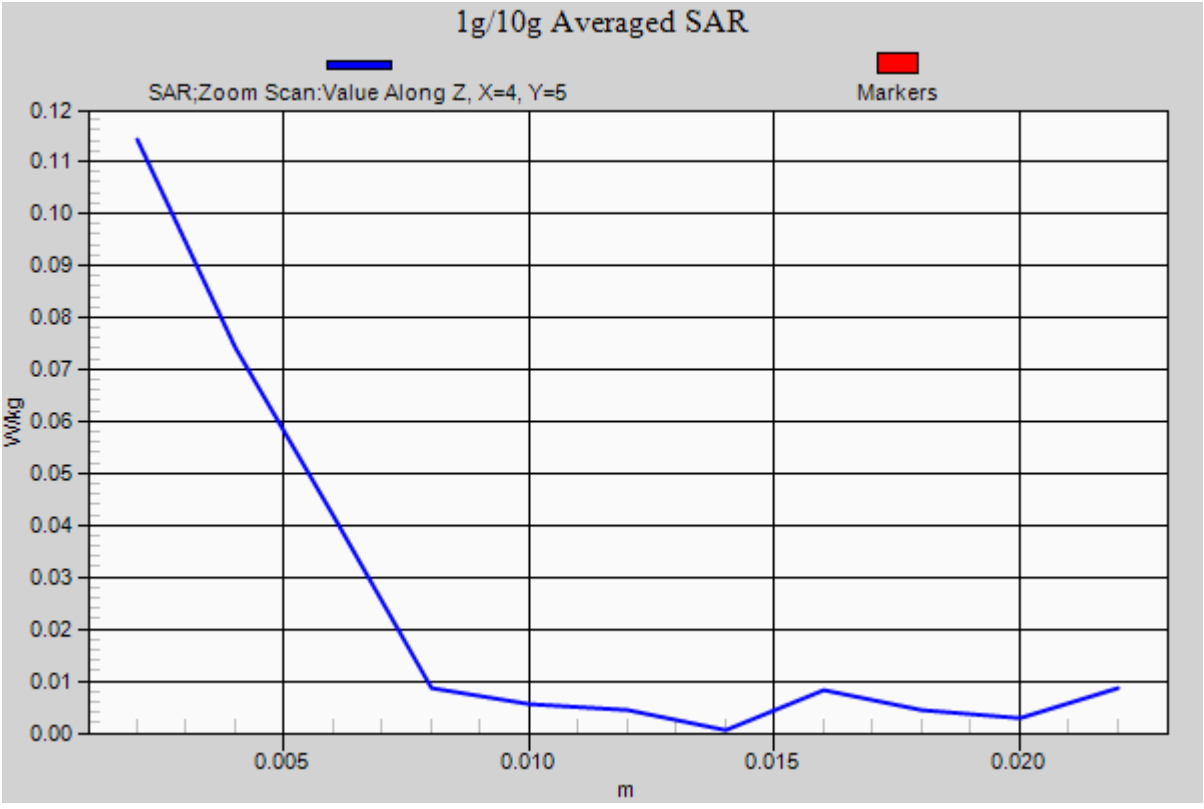
Communication System: W-LAN_5200; Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.443 S/m; ε_r = 47.809; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.33, 4.33, 4.33); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

1 cm space from Body, Rear, W-LAN(802.11a-5.3G Band) Ch. 56, Ant Internal

Area Scan (131x201x1): Interpolated grid: dx=10mm, dy=10mm
Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.396 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.020 W/kg



DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

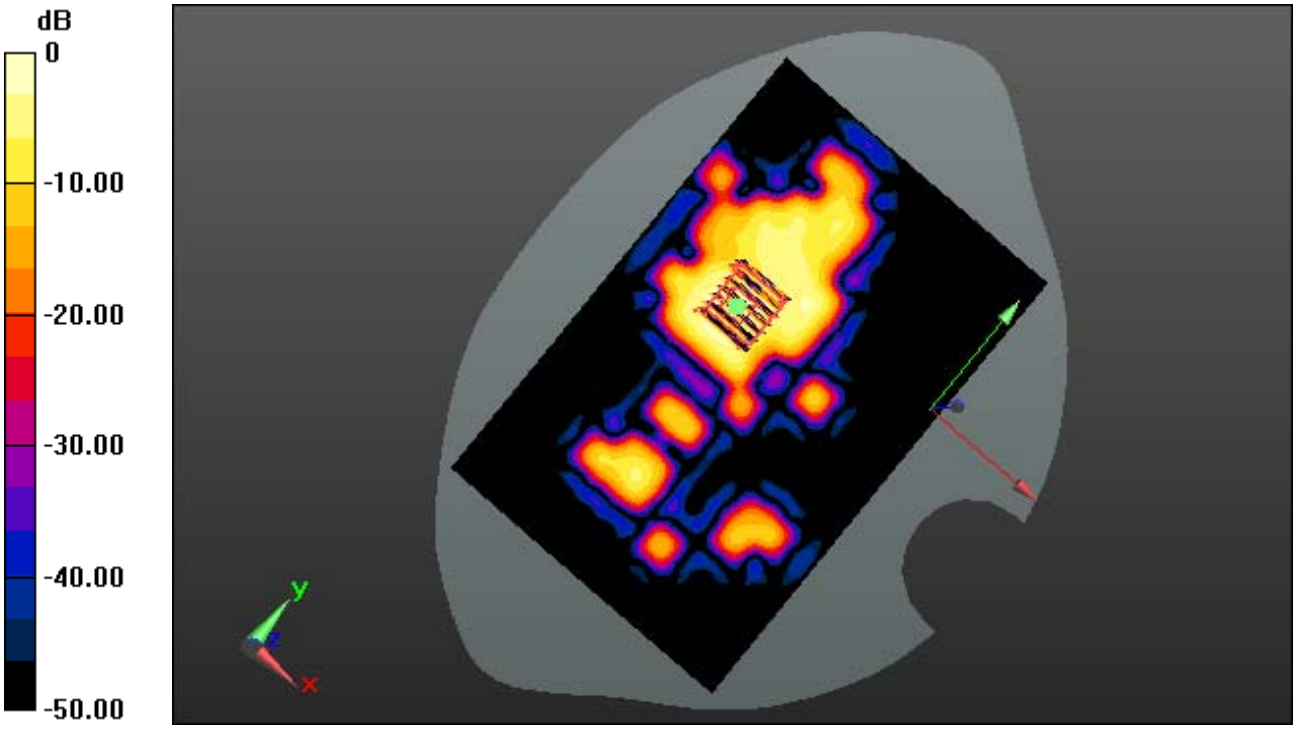
Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.862 S/m; ε_r = 47.443; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(3.95, 3.95, 3.95); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

1 cm space from Body, Rear, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal

Area Scan (131x201x1): Interpolated 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) = 0.416 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.027 W/kg



0 dB = 0.266 W/kg

DIGITAL EMC CO., LTD

DUT: KYY22; Type: Bar

Communication System: W-LAN_5500; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.862 S/m; ε_r = 47.443; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(3.95, 3.95, 3.95); Calibrated: 9/24/2013; Electronics: DAE4 Sn1396
Phantom: SAM with CRP_2013_10_08_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-12-14; Ambient Temp: 20.8; Tissue Temp:21.4

1 cm space from Body, Rear, W-LAN(802.11a-5.5G Band) Ch. 116, Ant Internal

Area Scan (131x201x1): Interpolated 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) = 0.416 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.027 W/kg