

## SAR Test Plots

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

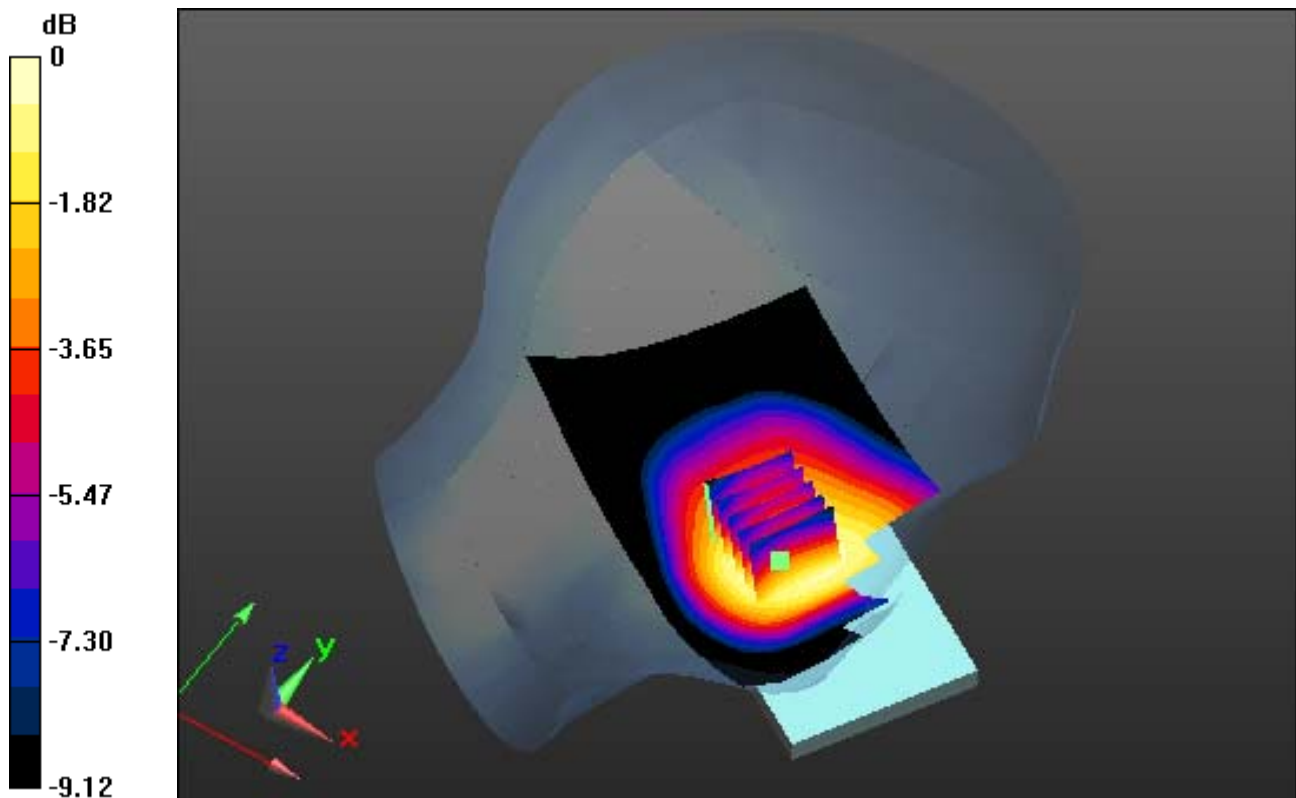
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.188 mW/g

**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.120 mW/g**



0 dB = 0.175 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

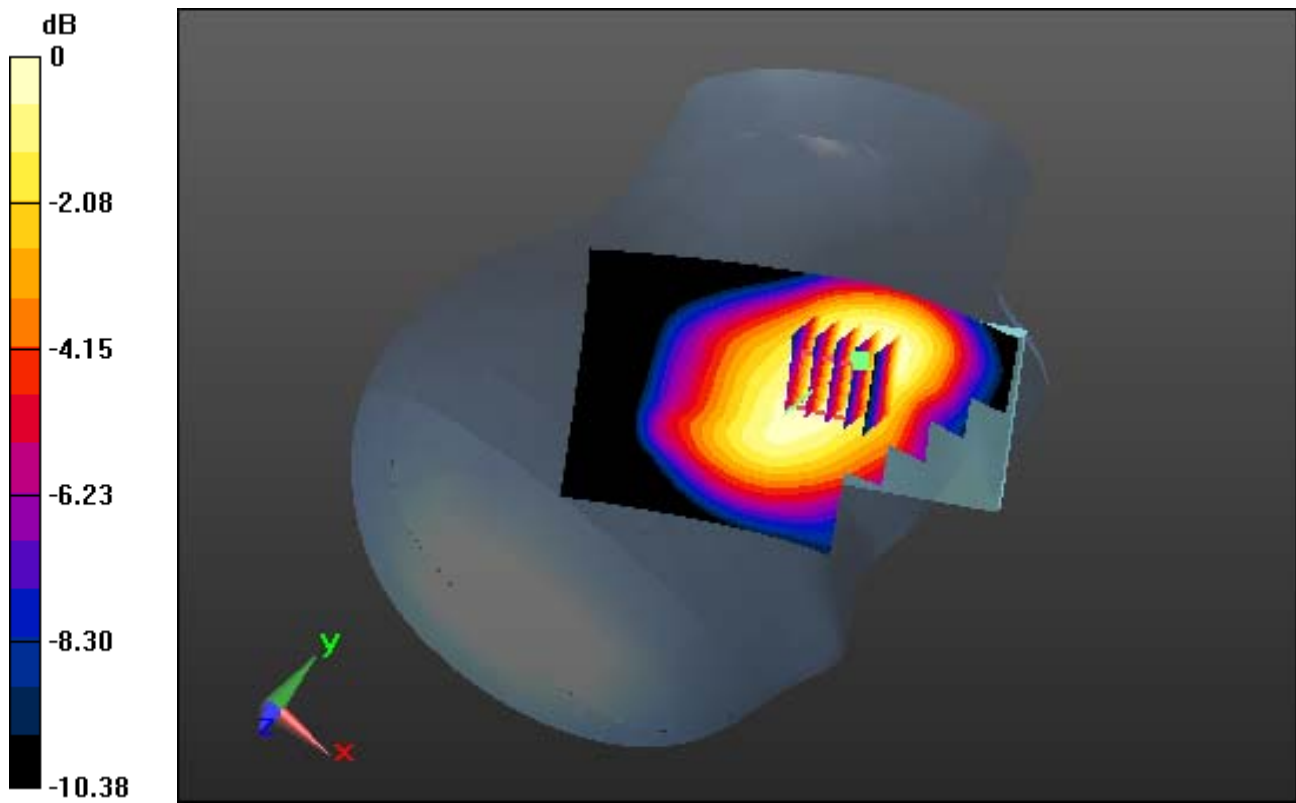
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

## **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 = 0.15 dB  
Peak SAR (extrapolated) = 0.180 mW/g  
**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.097 mW/g**



0 dB = 0.156 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

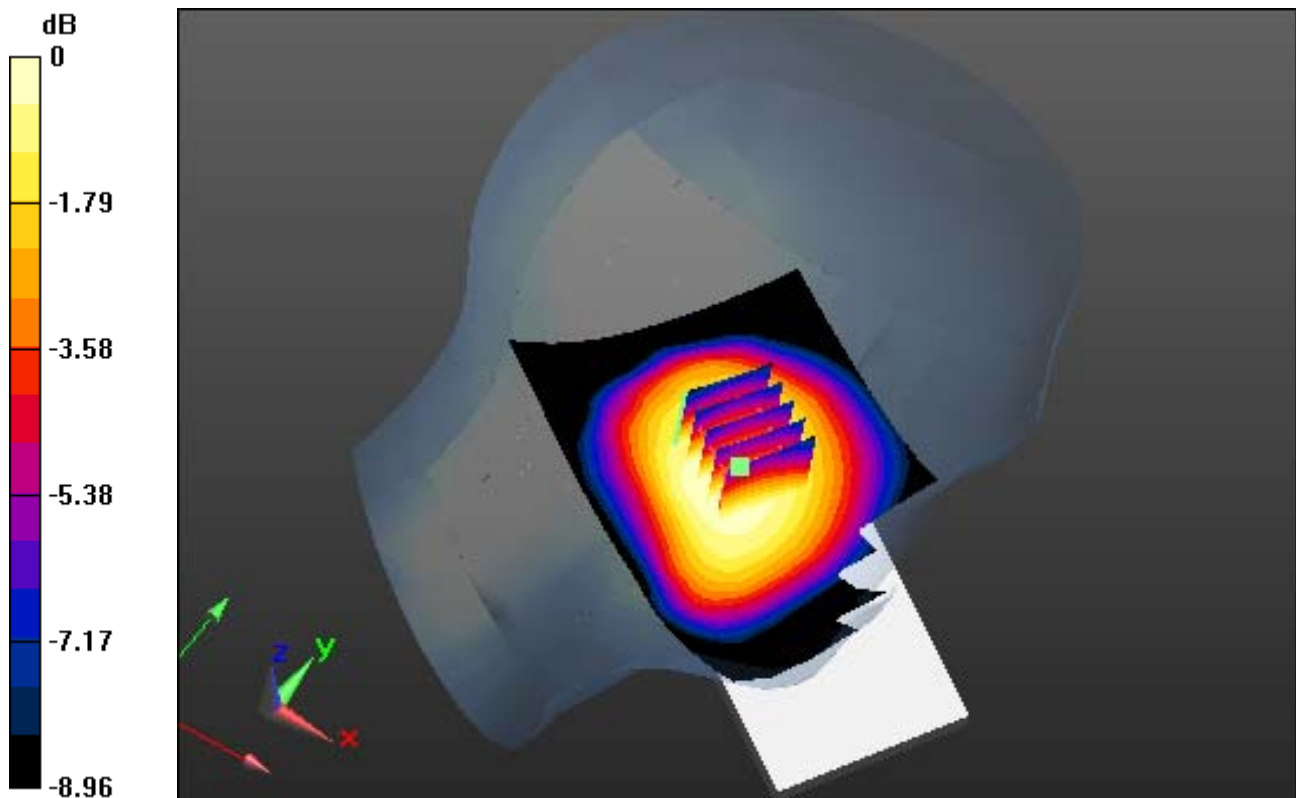
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.144 mW/g

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.085 mW/g**



0 dB = 0.129 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

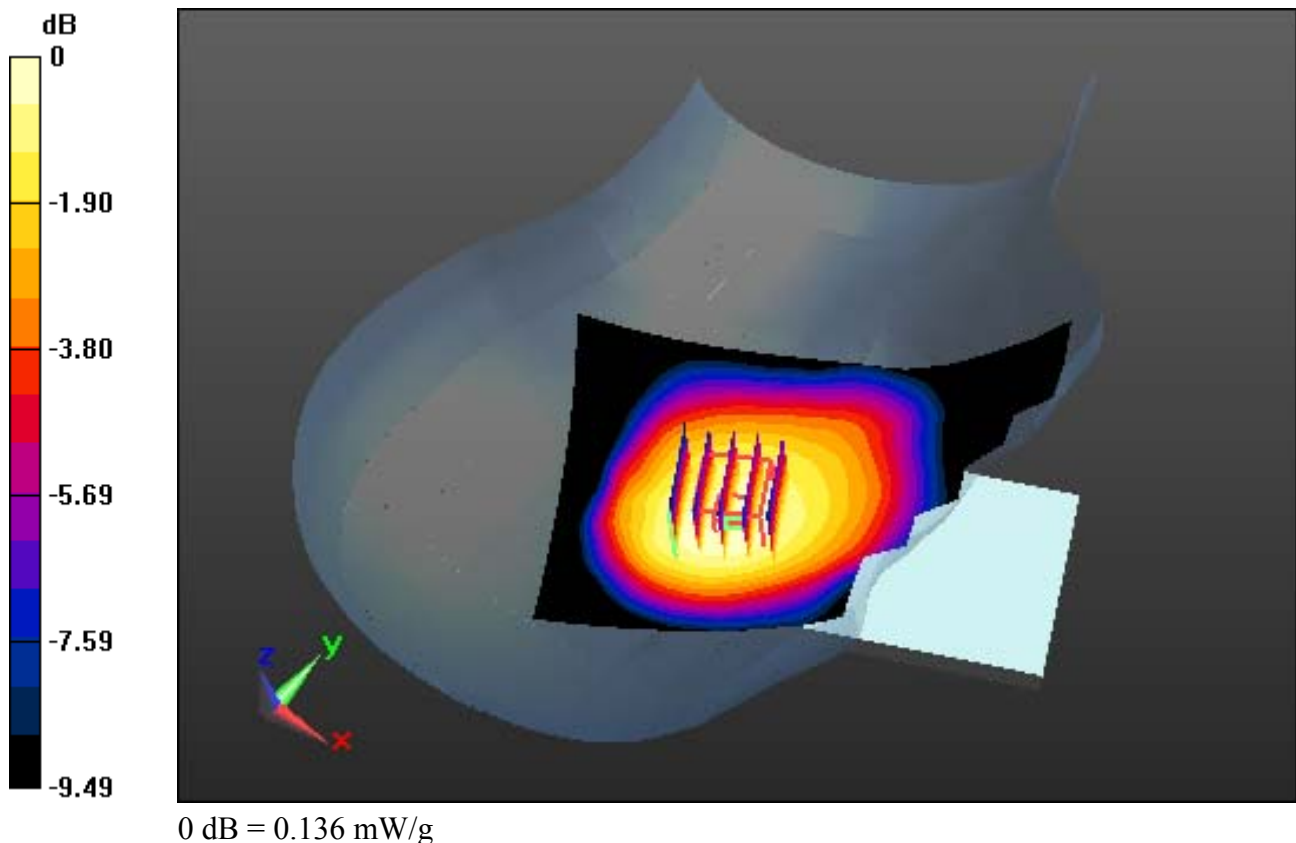
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

## **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 = -0.05 dB  
Peak SAR (extrapolated) = 0.151 mW/g  
**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.086 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

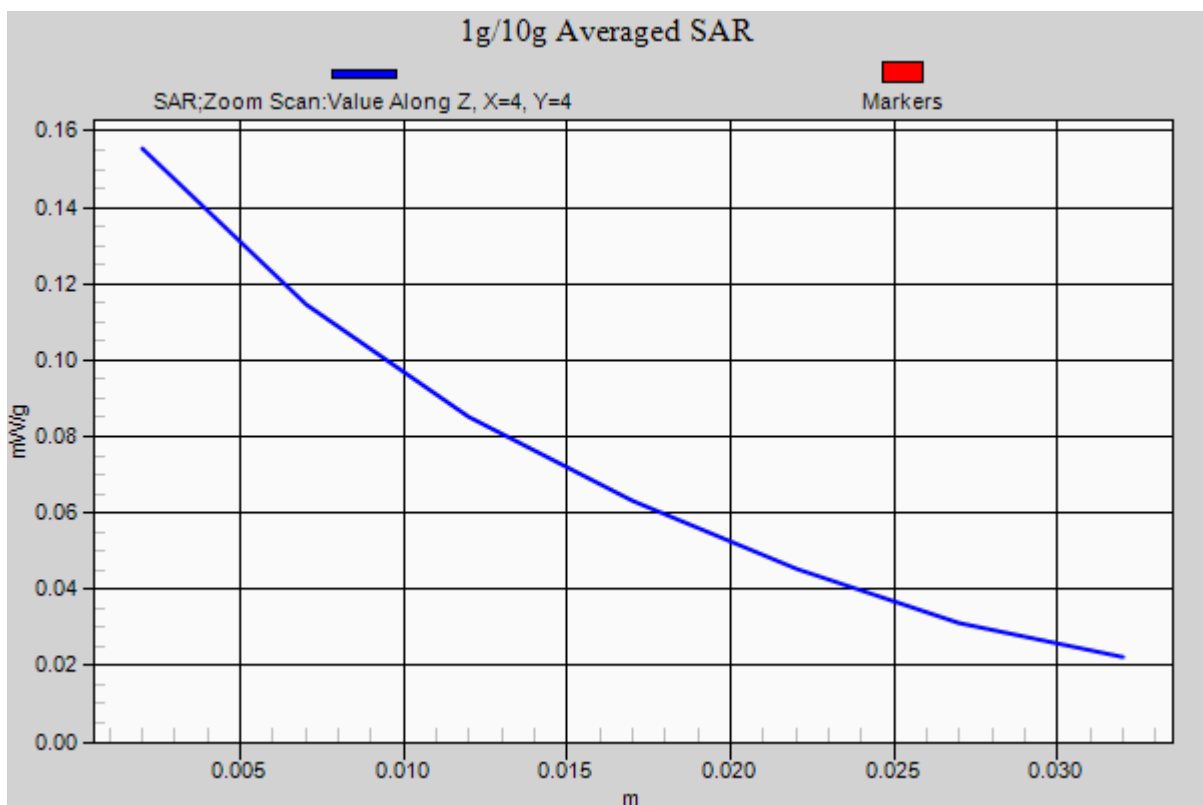
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

**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 = 0.09 dB  
Peak SAR (extrapolated) = 0.188 mW/g  
**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.120 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

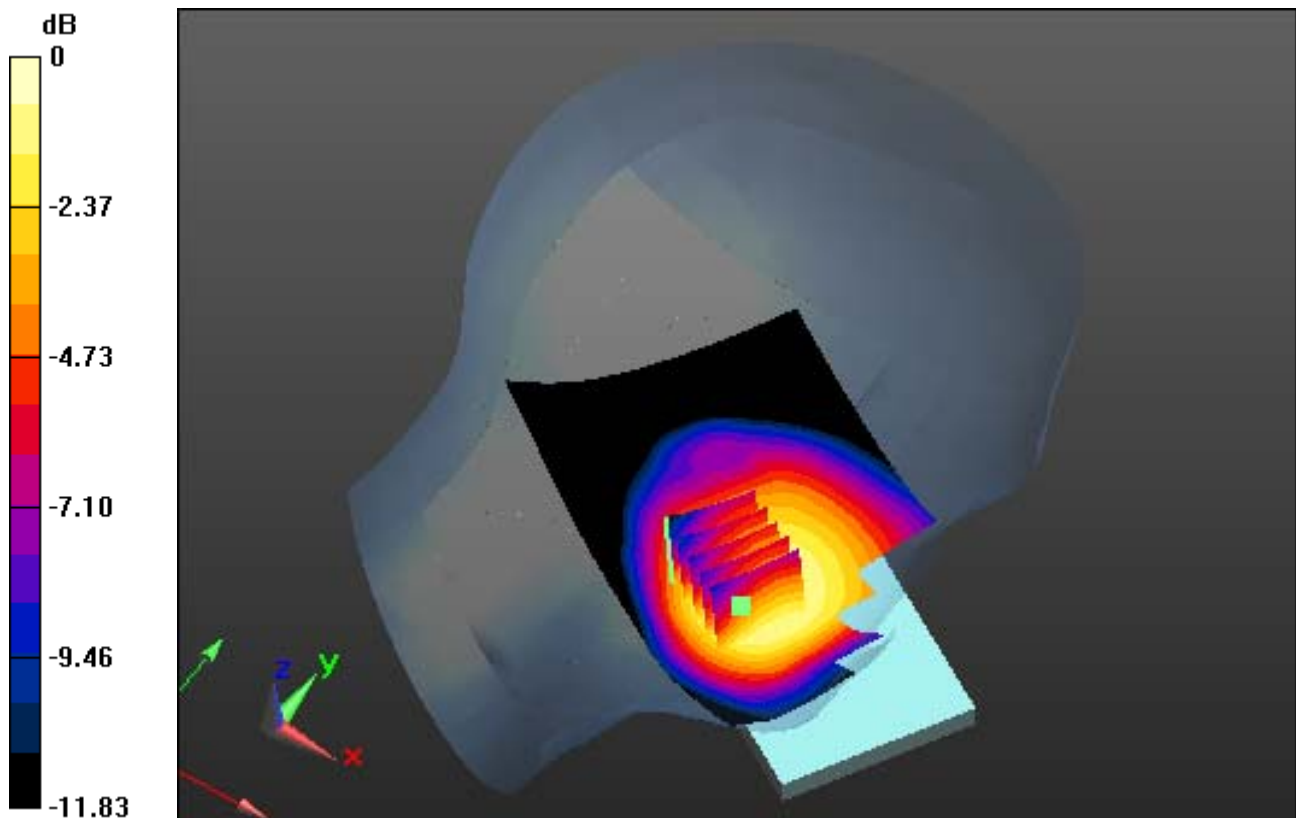
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.261 mW/g

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.143 mW/g



0 dB = 0.217 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

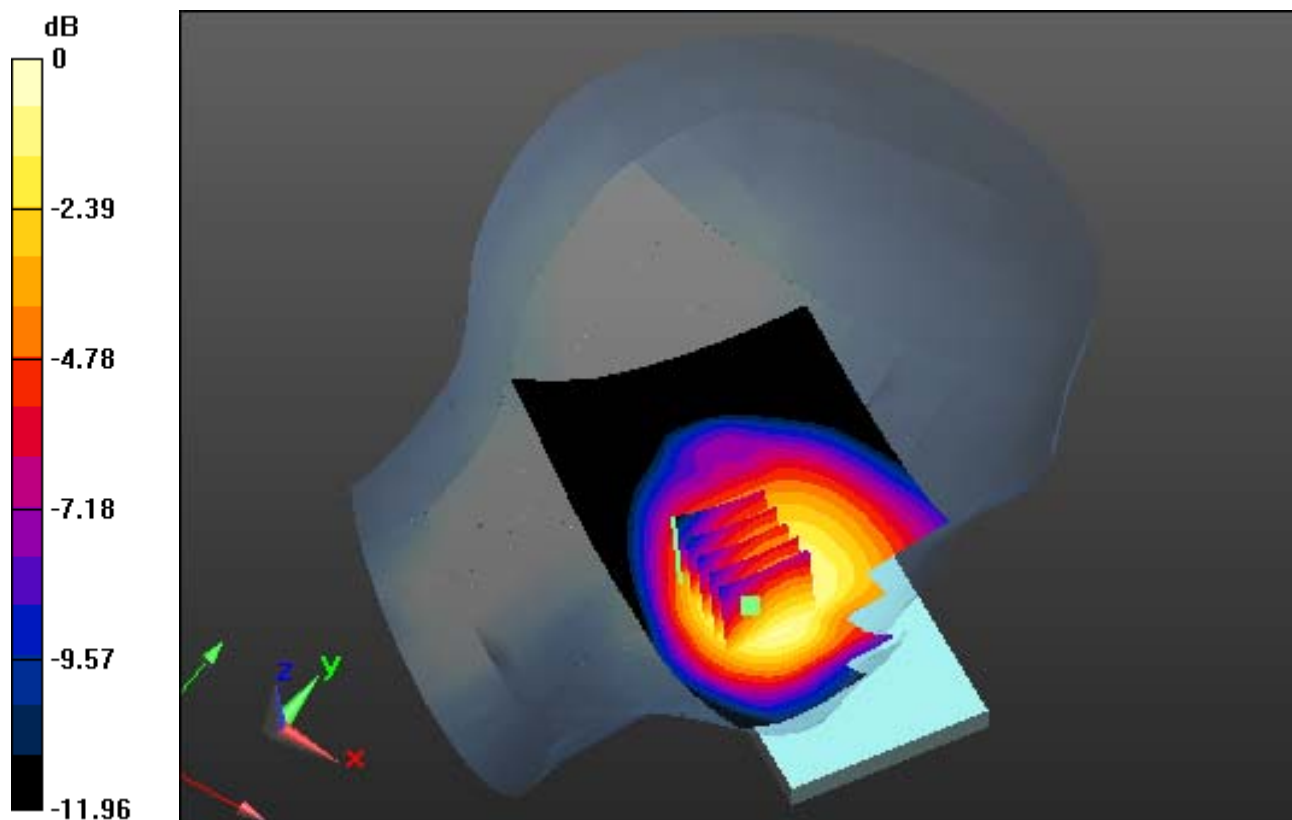
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.362 mW/g

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.219 mW/g**



0 dB = 0.328 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

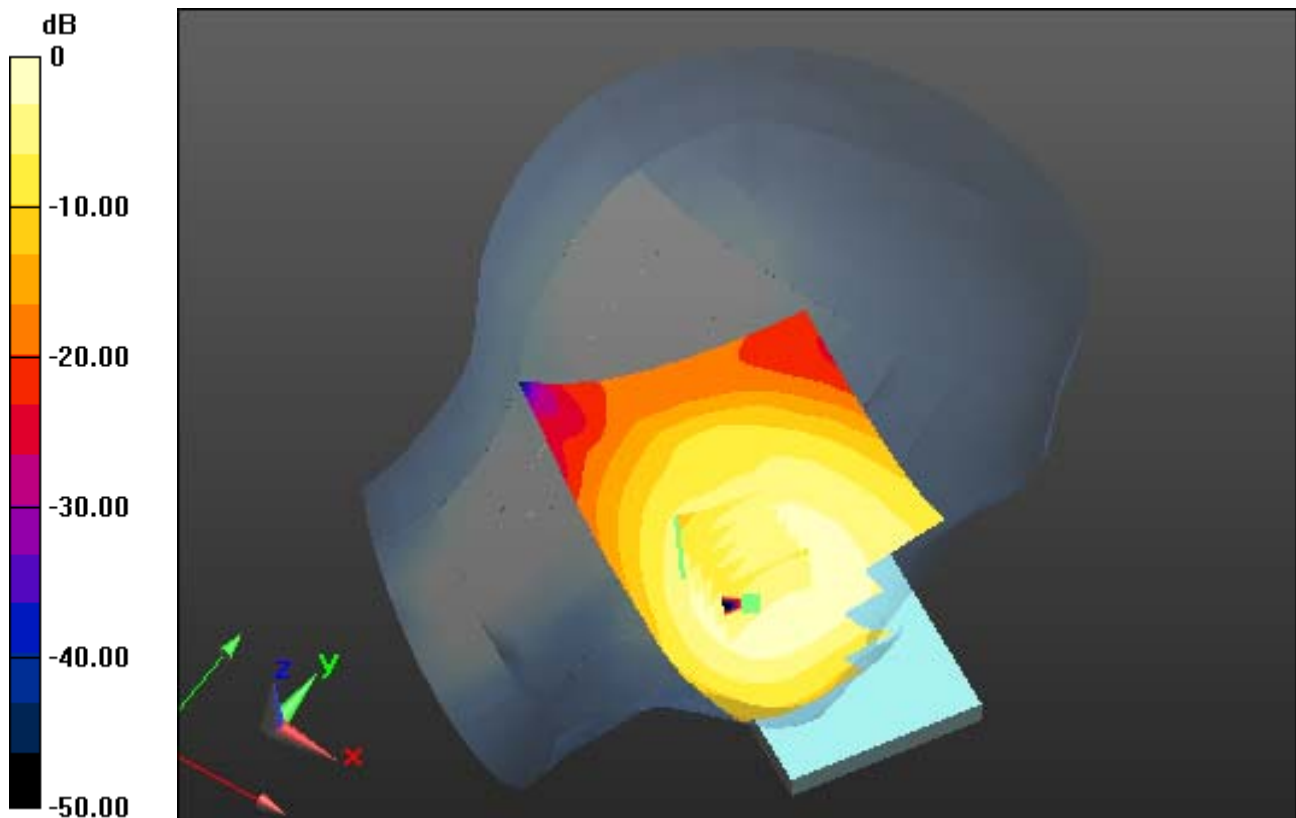
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.371 mW/g

**SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.215 mW/g**



0 dB = 0.330 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

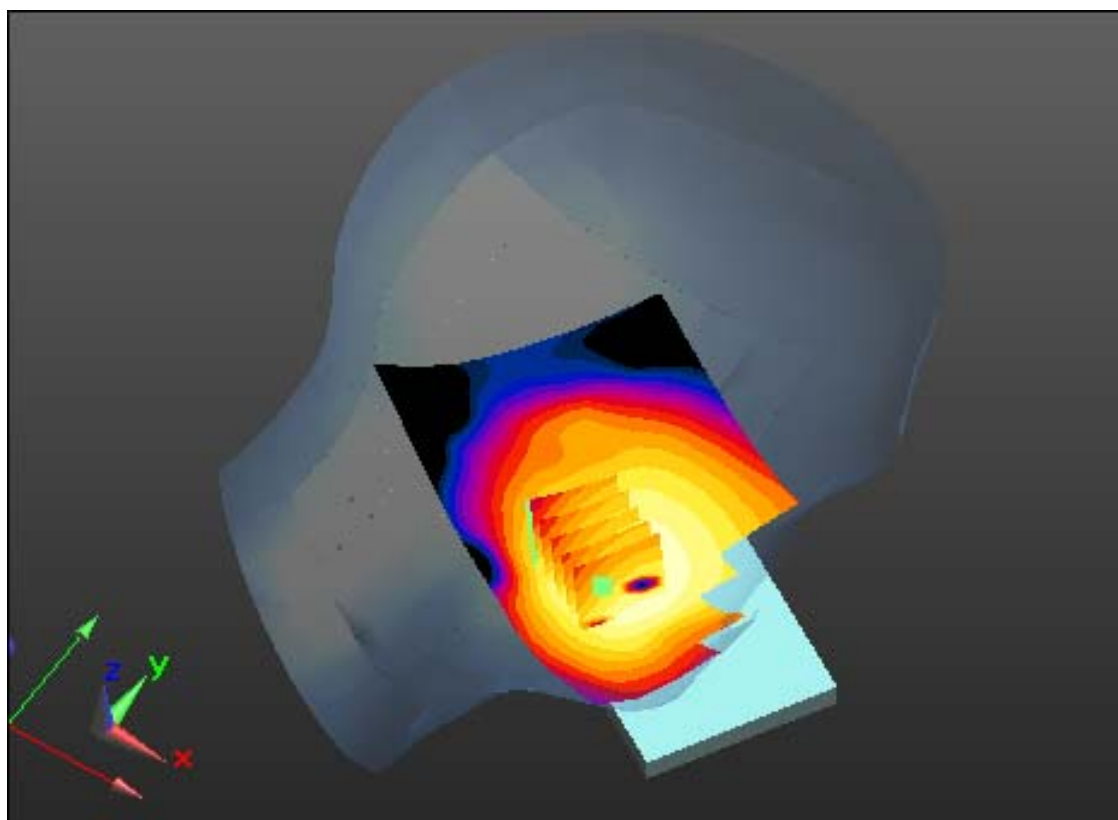
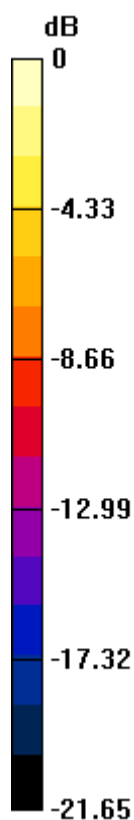
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.384 mW/g

**SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.224 mW/g**



0 dB = 0.339 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

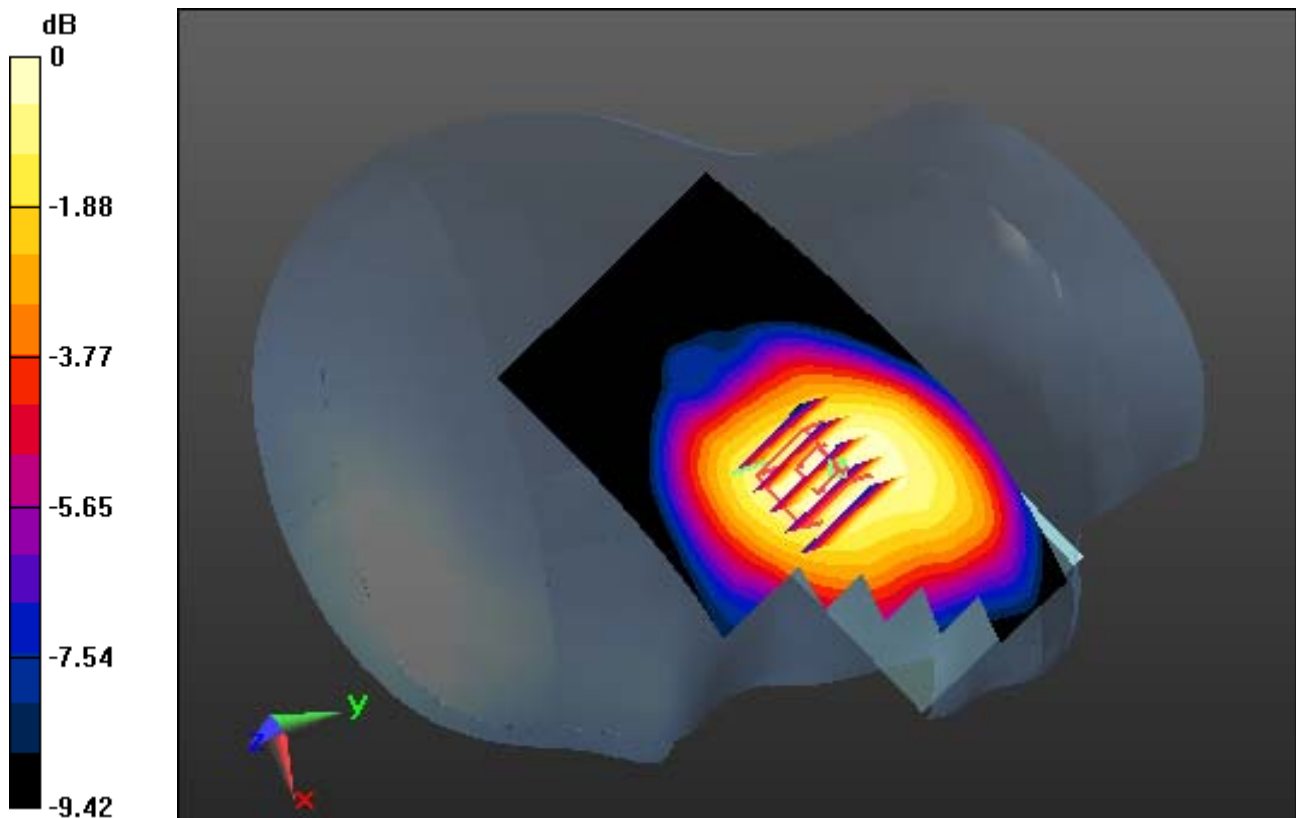
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.320 mW/g

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.193 mW/g**



0 dB = 0.290 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

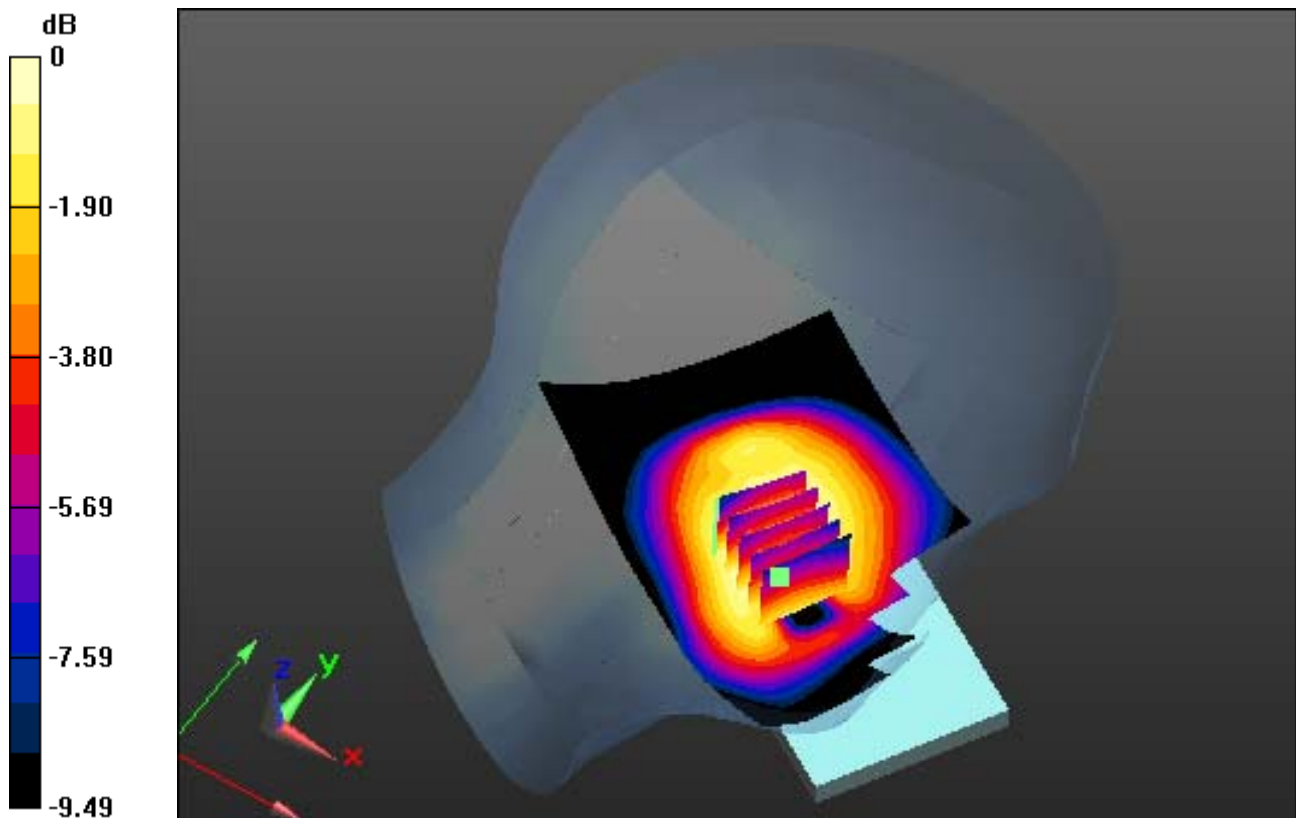
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.247 mW/g

**SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.147 mW/g**



0 dB = 0.223 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

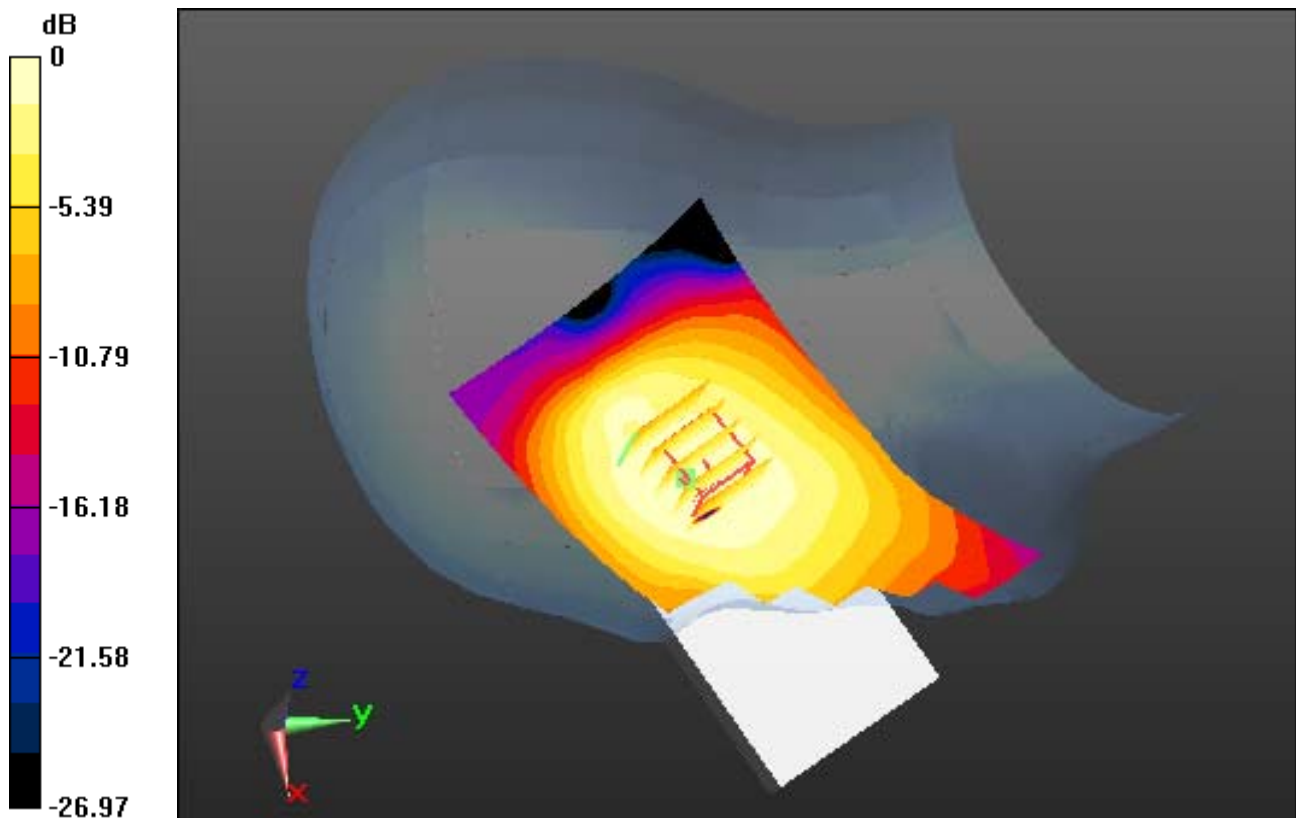
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.294 mW/g

**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.180 mW/g**



0 dB = 0.271 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-09-28; Ambient Temp: 21.8; Tissue Temp: 22.5

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

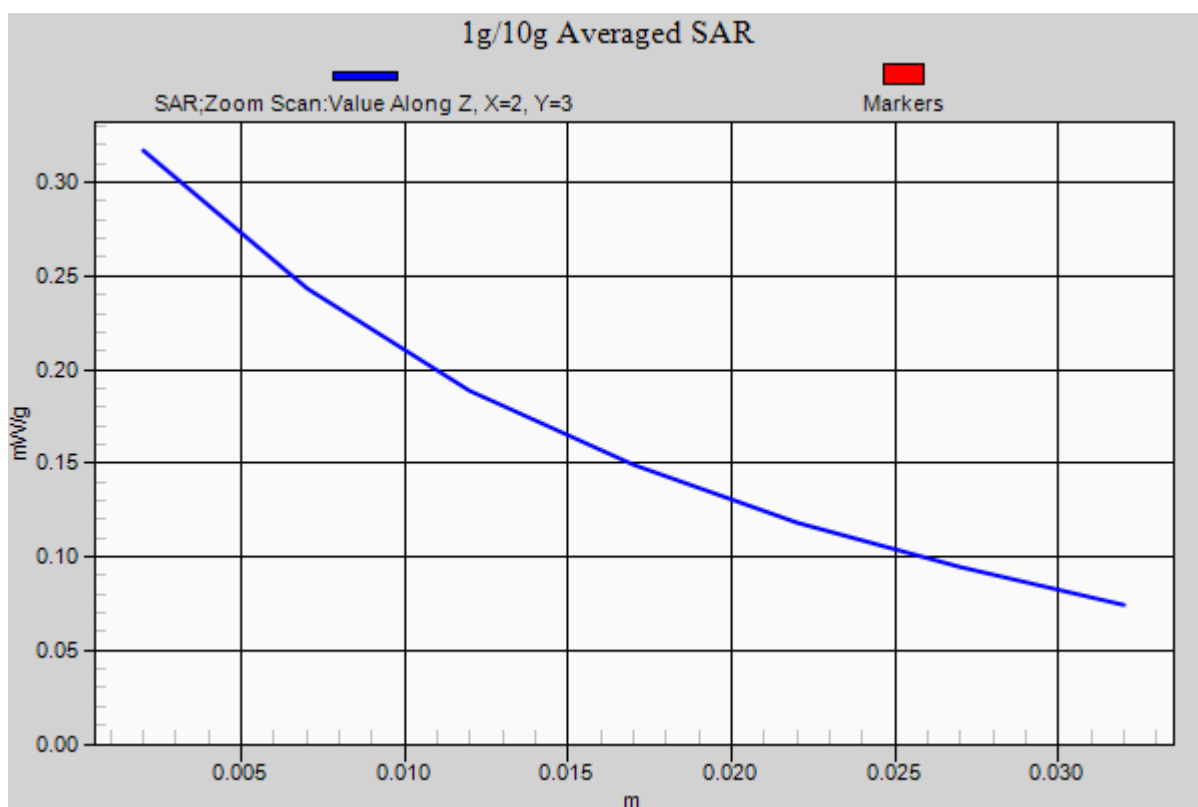
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.384 mW/g

**SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.224 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

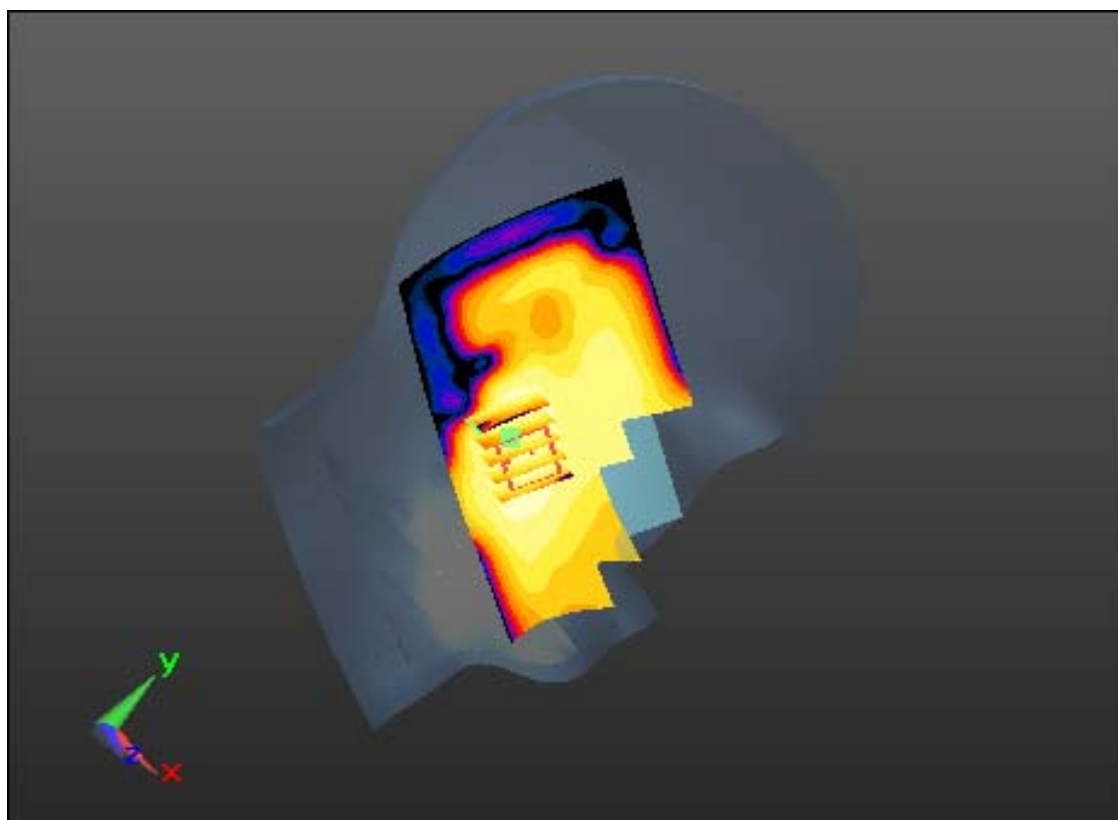
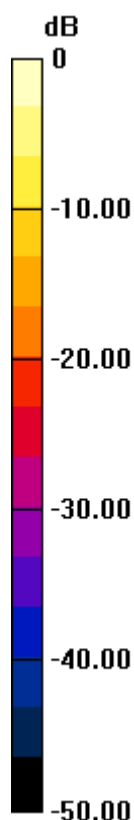
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

**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 = 0.11 dB  
Peak SAR (extrapolated) = 0.094 mW/g  
**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.036 mW/g**



0 dB = 0.0767 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

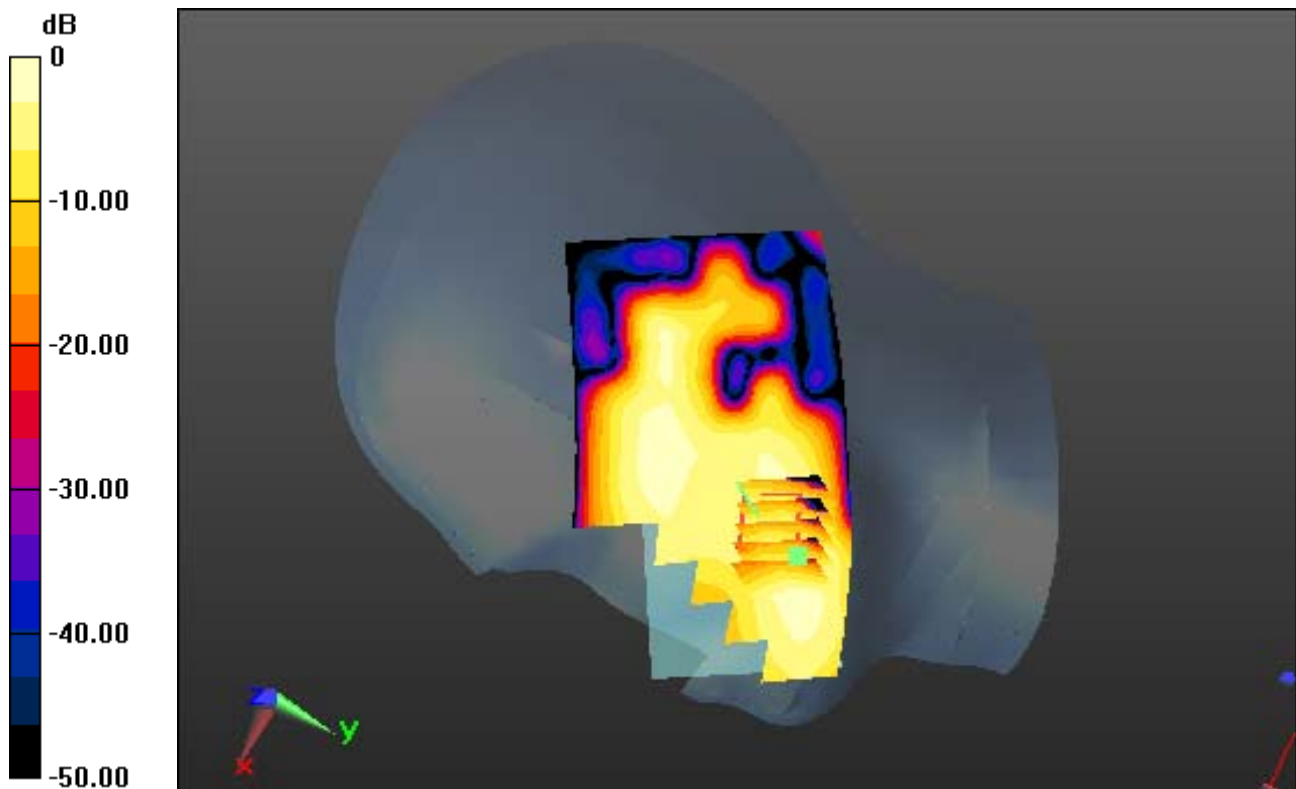
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

## **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 = 0.06 dB  
Peak SAR (extrapolated) = 0.066 mW/g  
**SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.023 mW/g**



0 dB = 0.0541 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

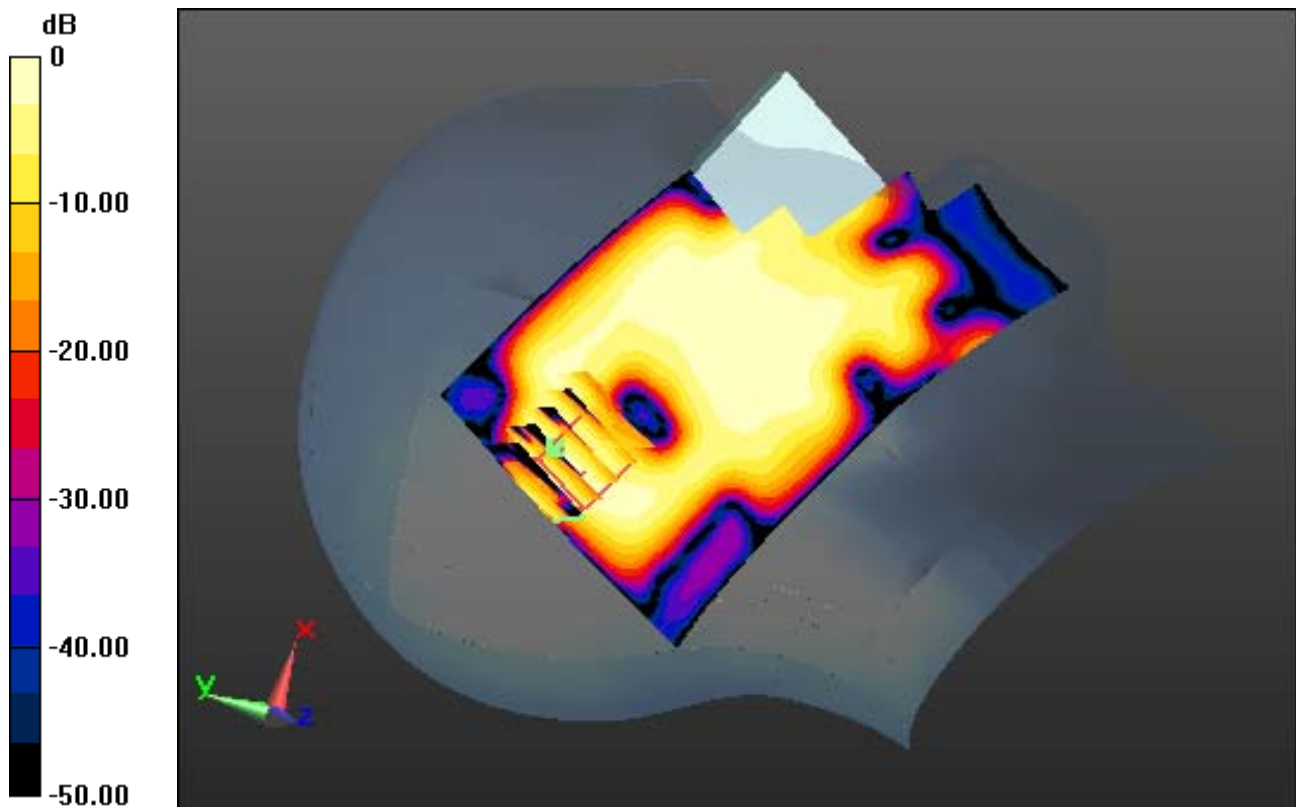
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

**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 = 0.15 dB  
Peak SAR (extrapolated) = 0.037 mW/g  
**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.011 mW/g**



0 dB = 0.0286 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

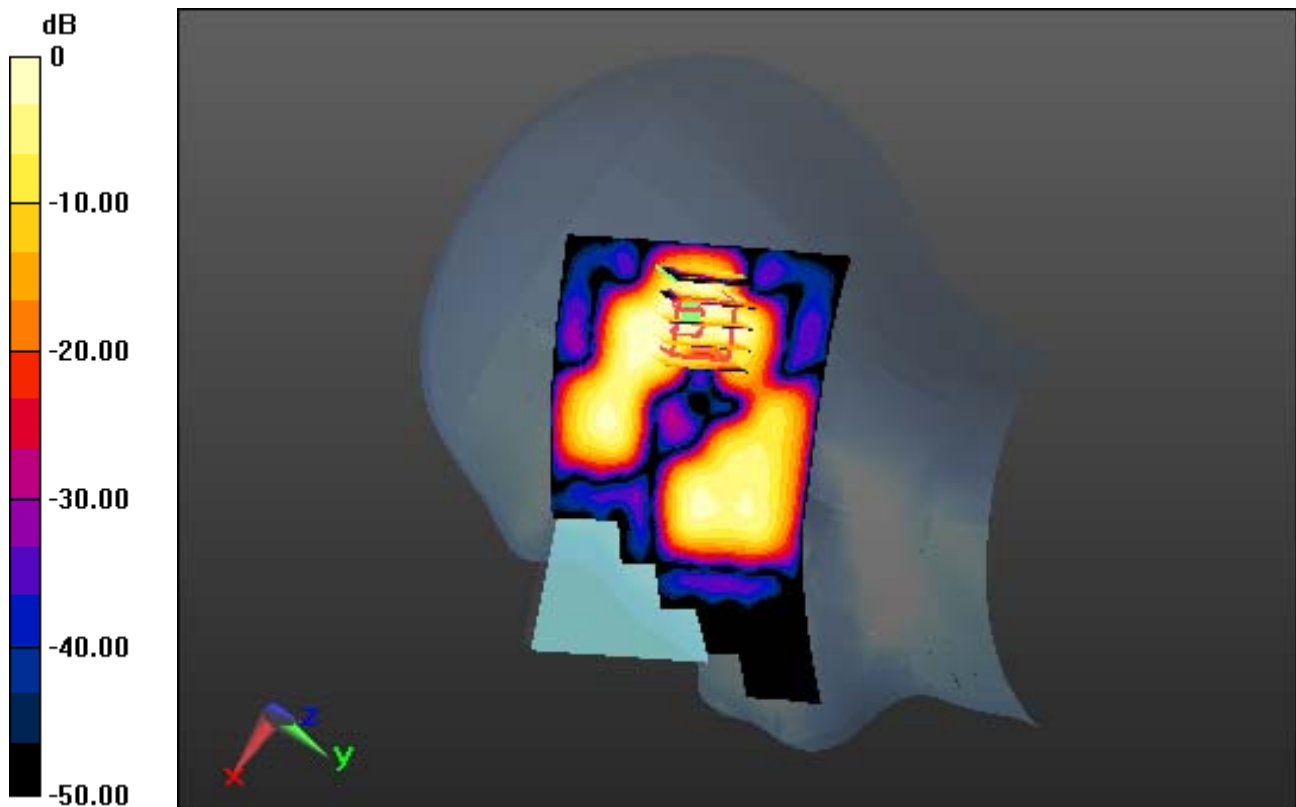
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

## **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 = -0.10 dB  
Peak SAR (extrapolated) = 0.026 mW/g  
**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00741 mW/g**



0 dB = 0.0199 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

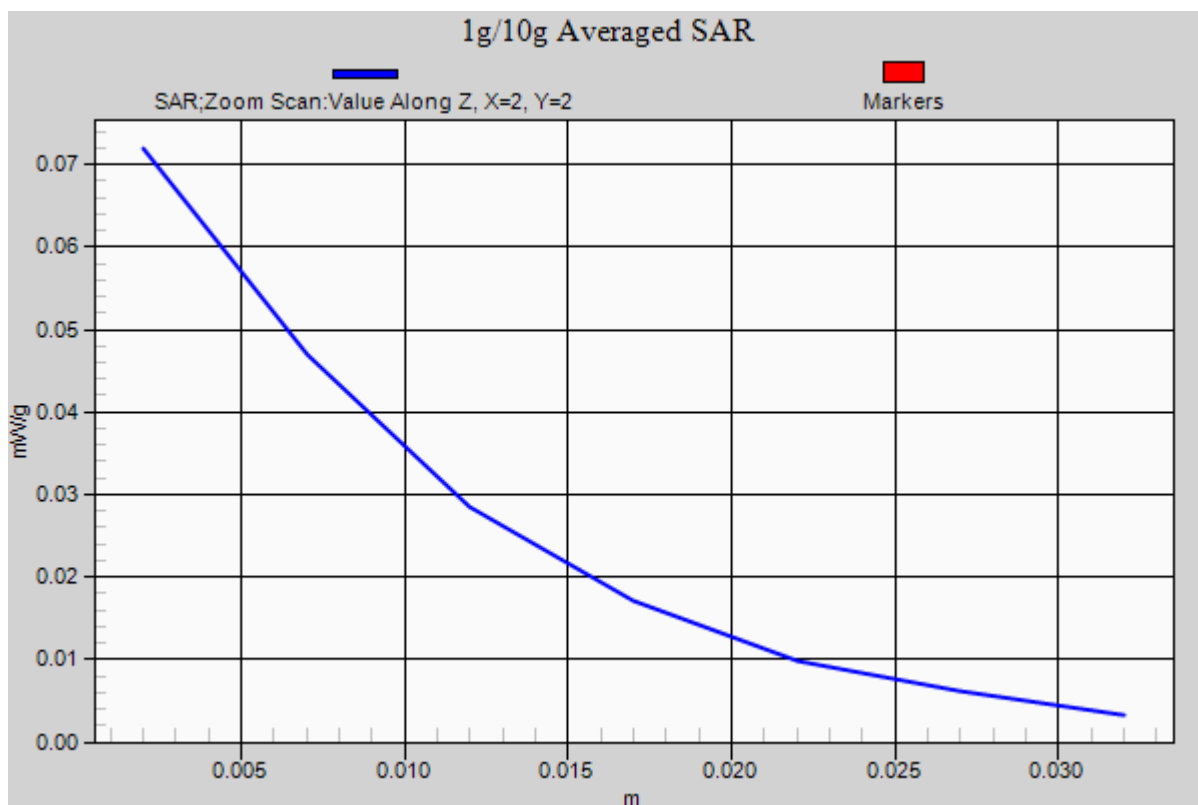
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

**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 = 0.11 dB  
Peak SAR (extrapolated) = 0.094 mW/g  
**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.036 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

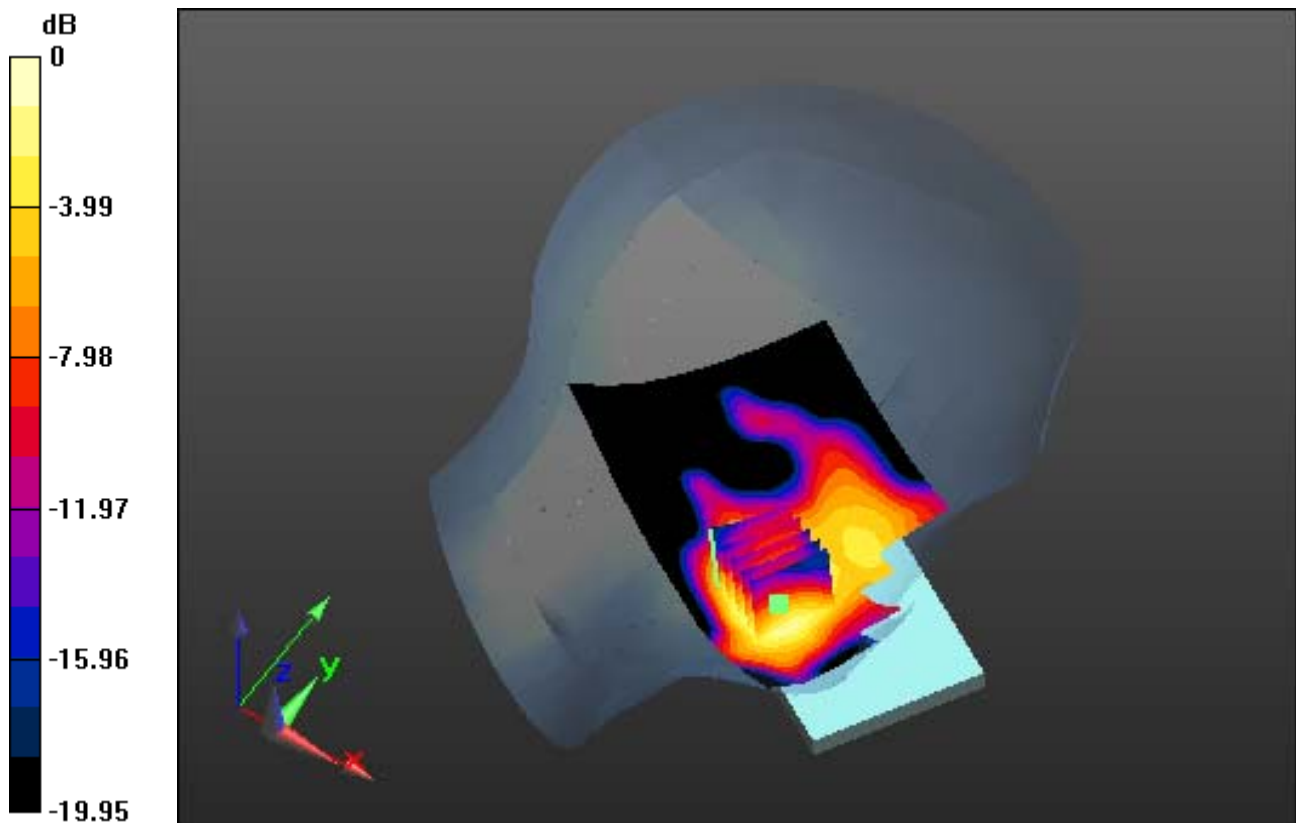
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.102 mW/g

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.040 mW/g**



0 dB = 0.0813 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

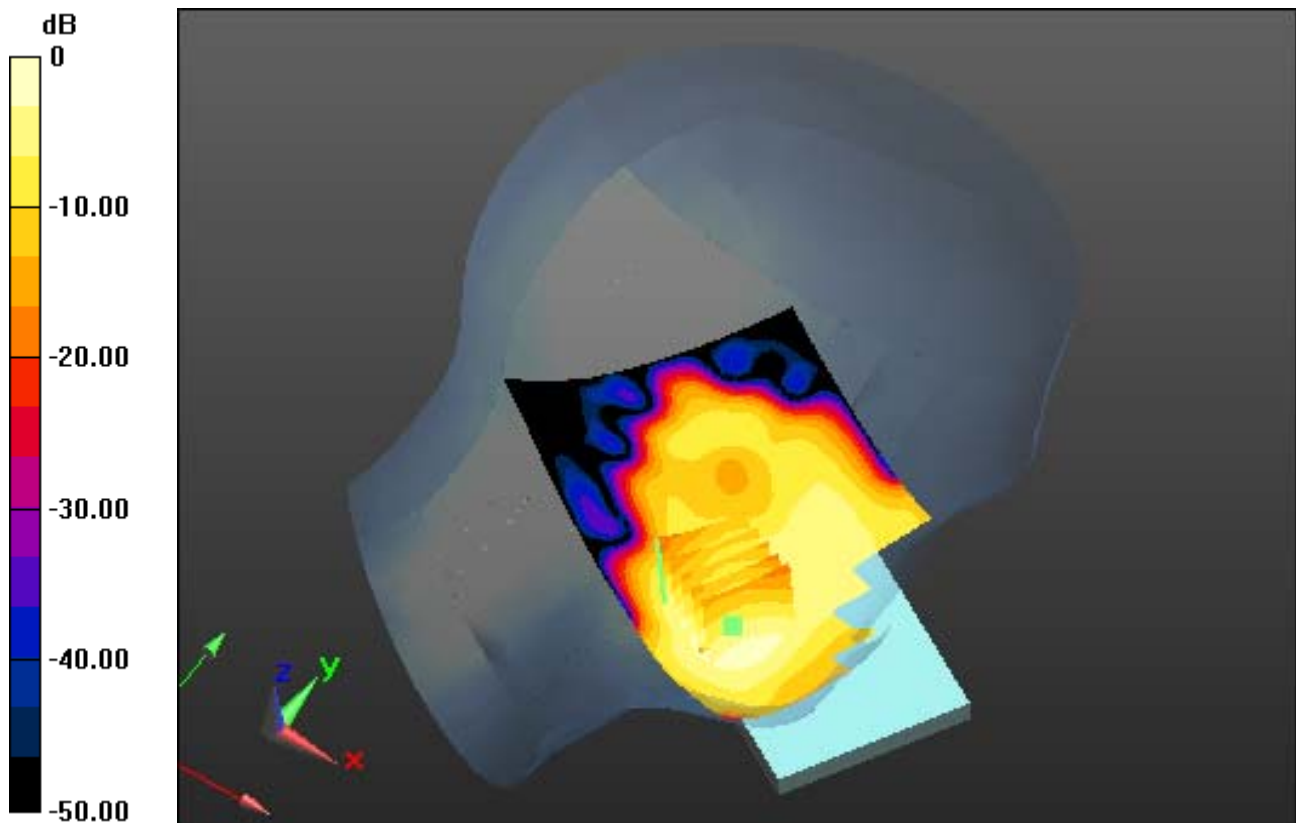
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.188 mW/g

**SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.068 mW/g**



0 dB = 0.138 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

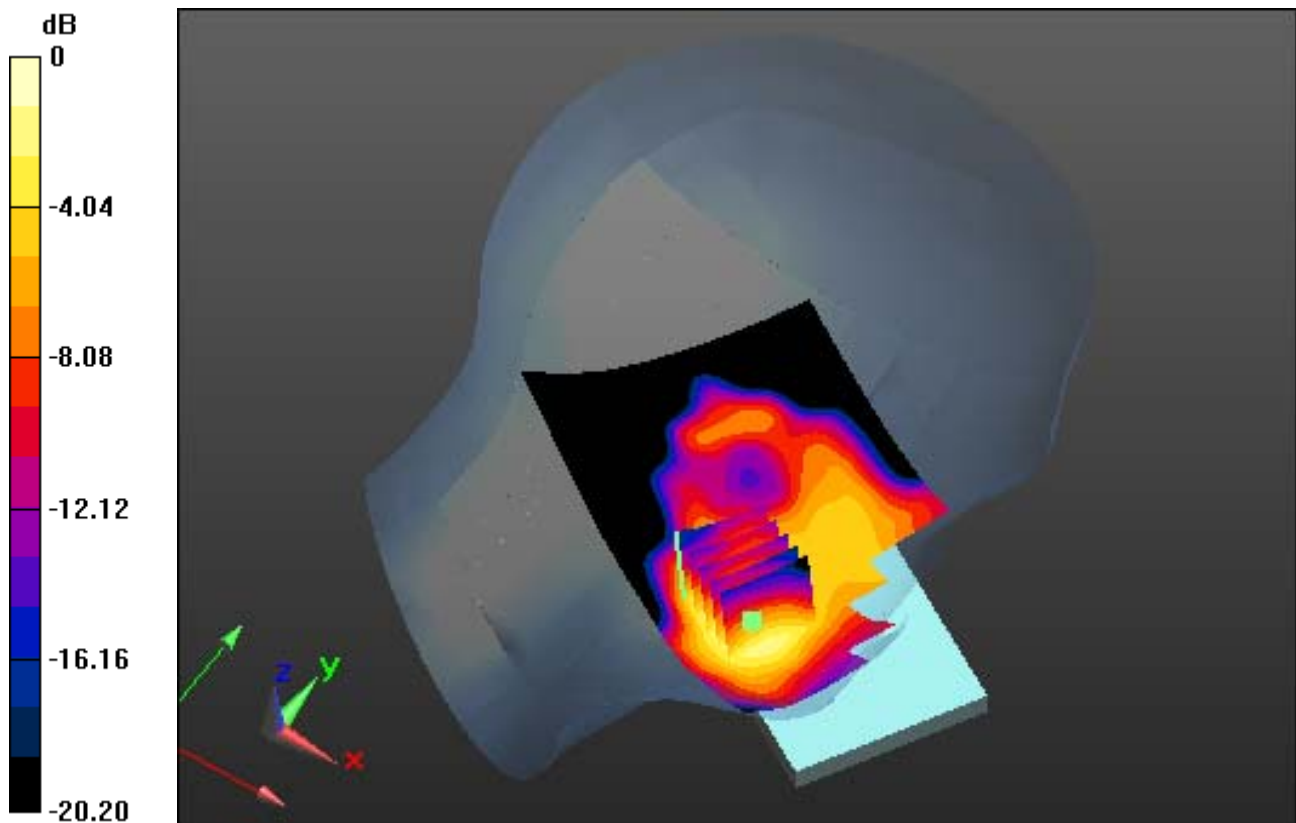
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.190 mW/g

**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.071 mW/g**



0 dB = 0.146 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

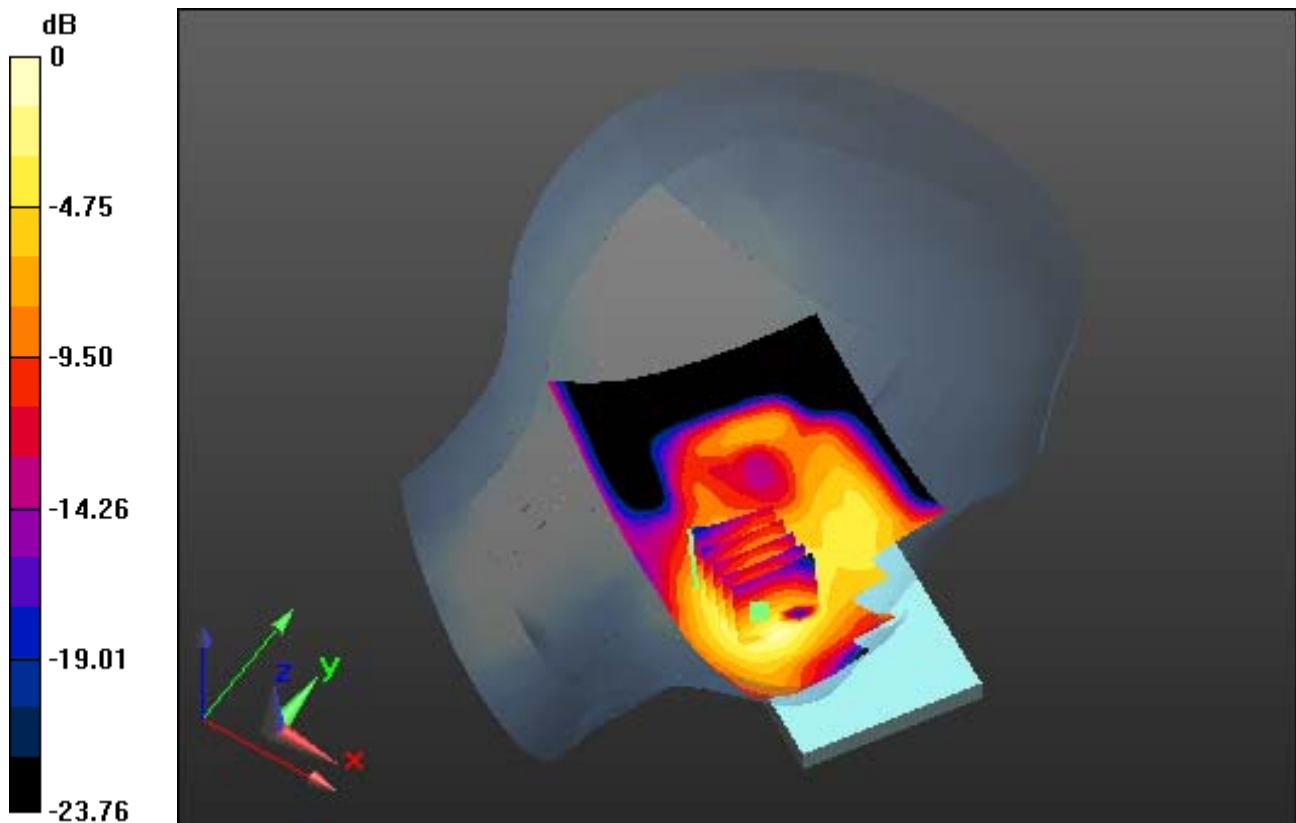
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.500 mW/g

**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.073 mW/g**



0 dB = 0.150 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

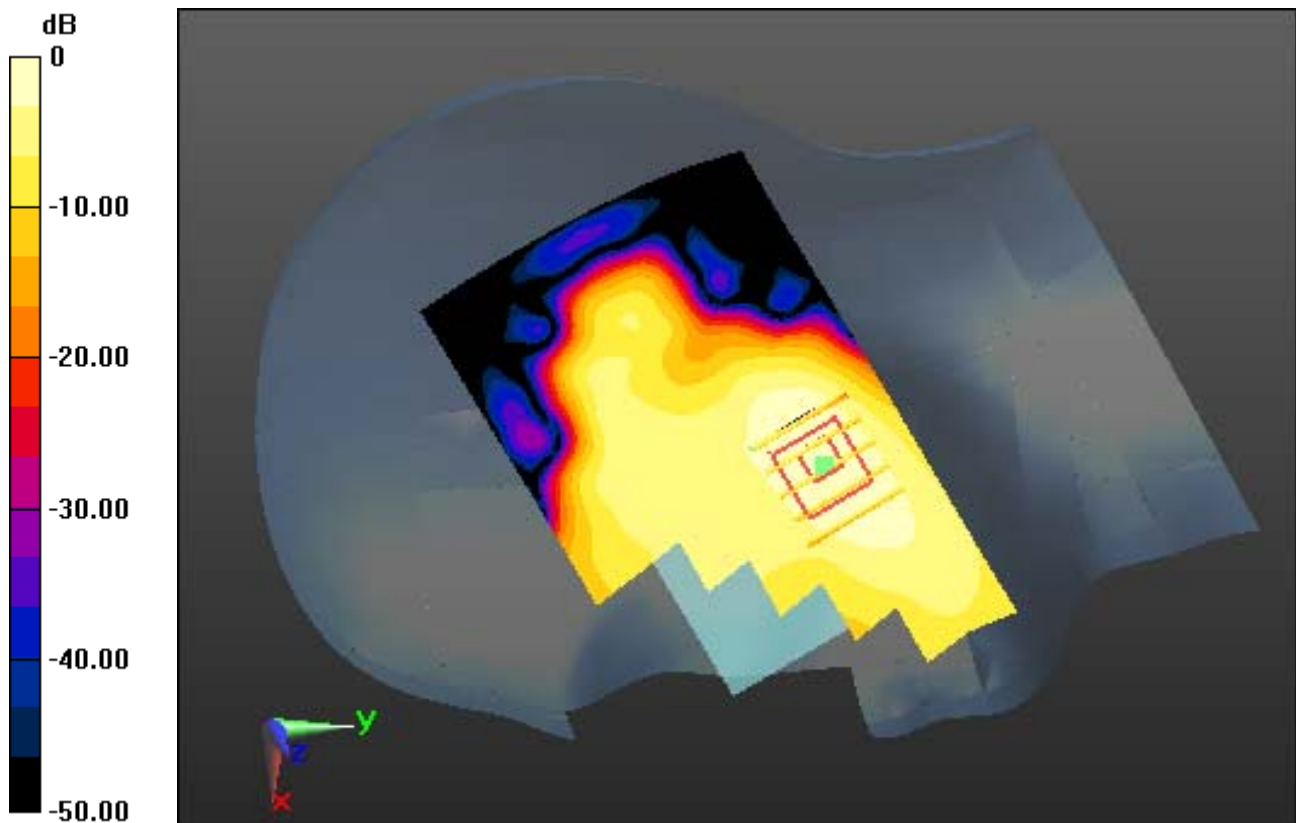
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.202 mW/g

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.056 mW/g**



0 dB = 0.121 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

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

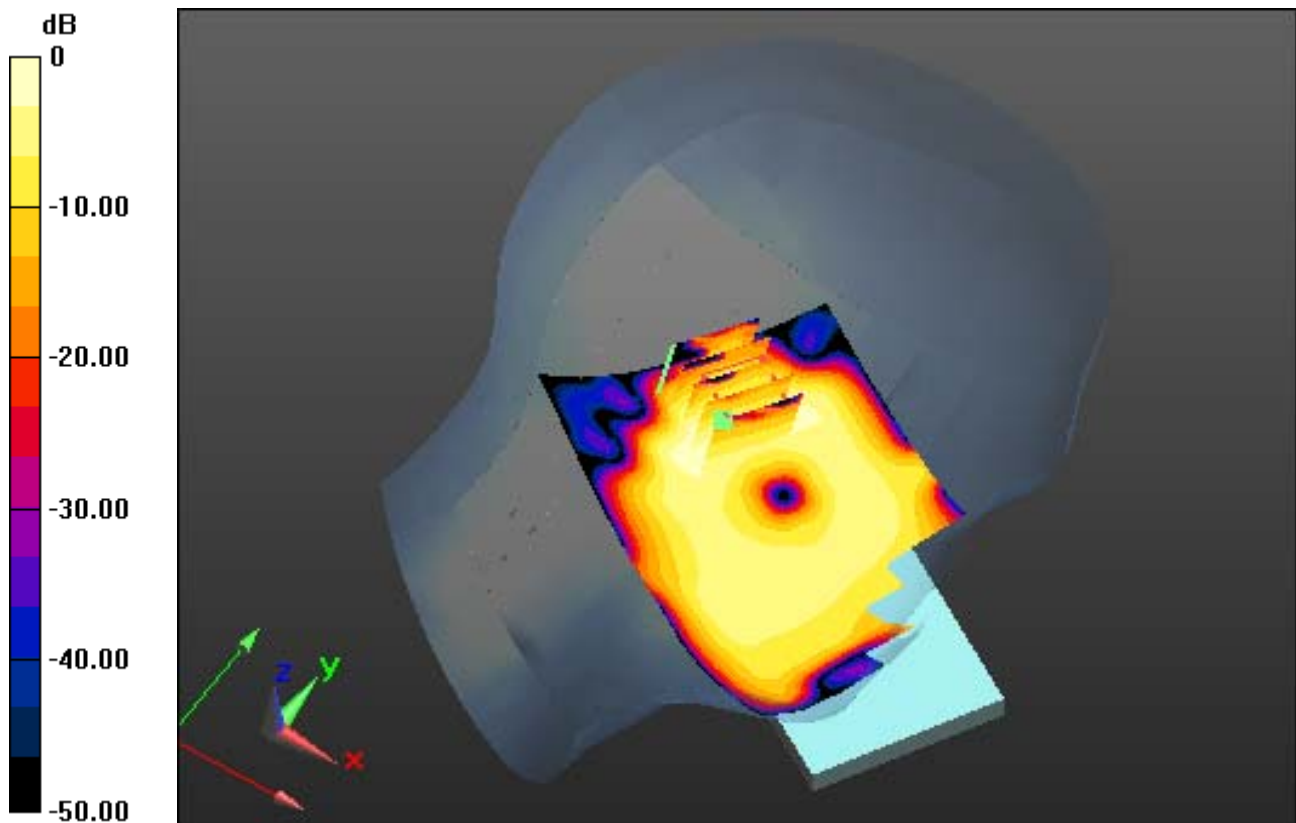
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.080 mW/g

**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.024 mW/g**



0 dB = 0.0633 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

**Right Tilt, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery**

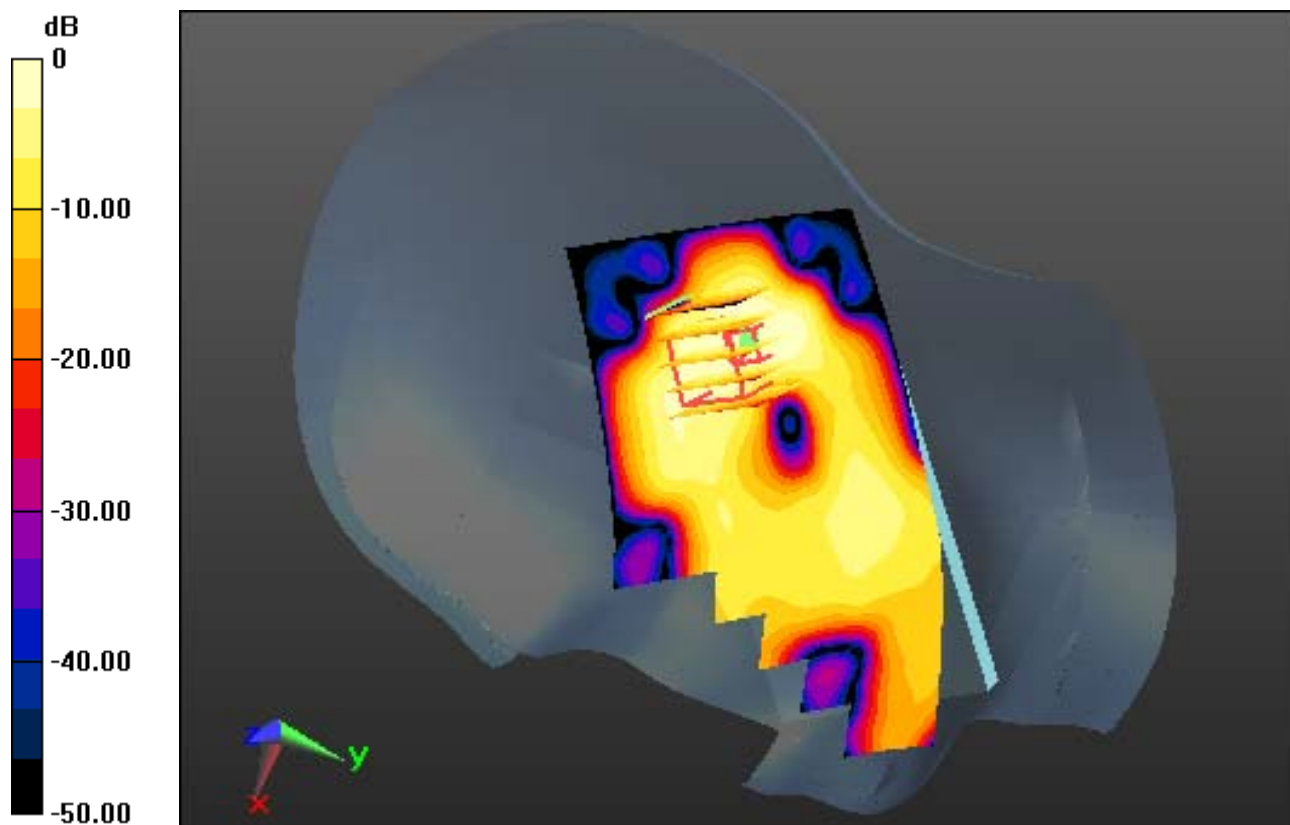
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.065 mW/g

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.022 mW/g**



0 dB = 0.0569 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  mho/m;  $\epsilon_r = 40.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-01; Ambient Temp: 22.4; Tissue Temp: 22.6

**Left Touch, REU3; 20 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery**

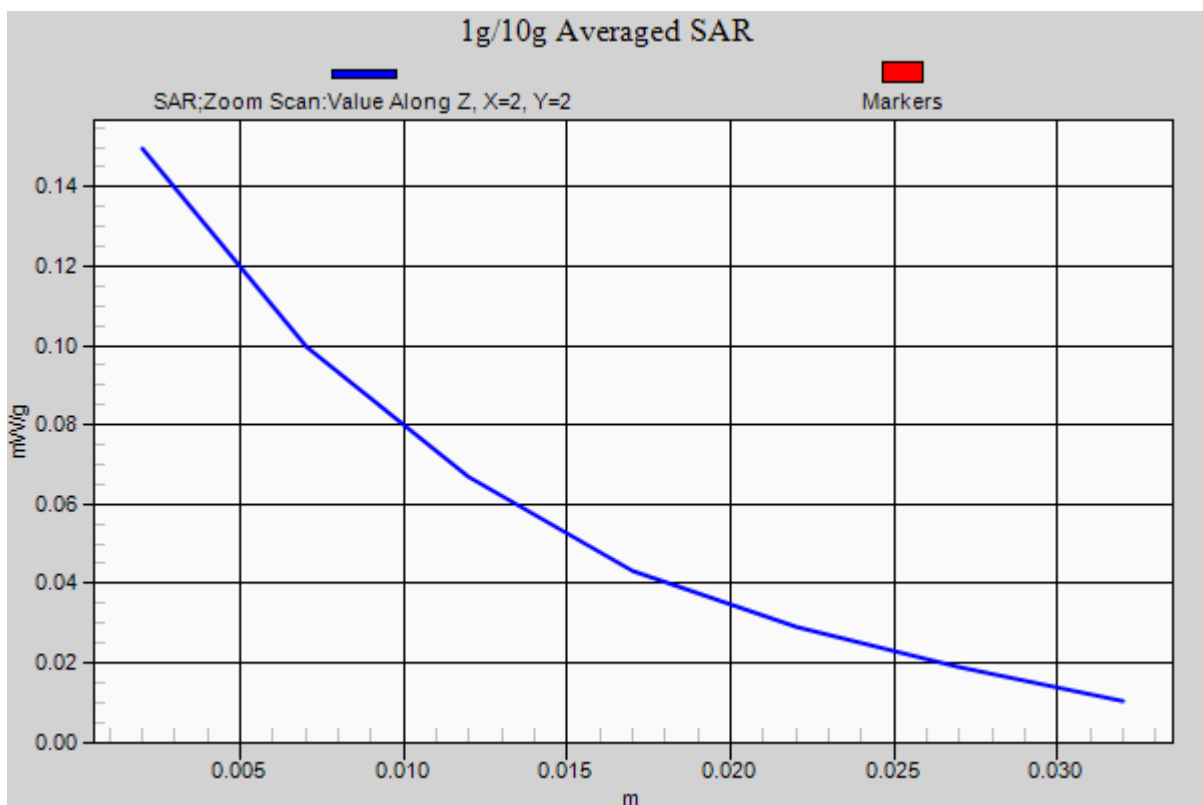
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.500 mW/g

**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.073 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

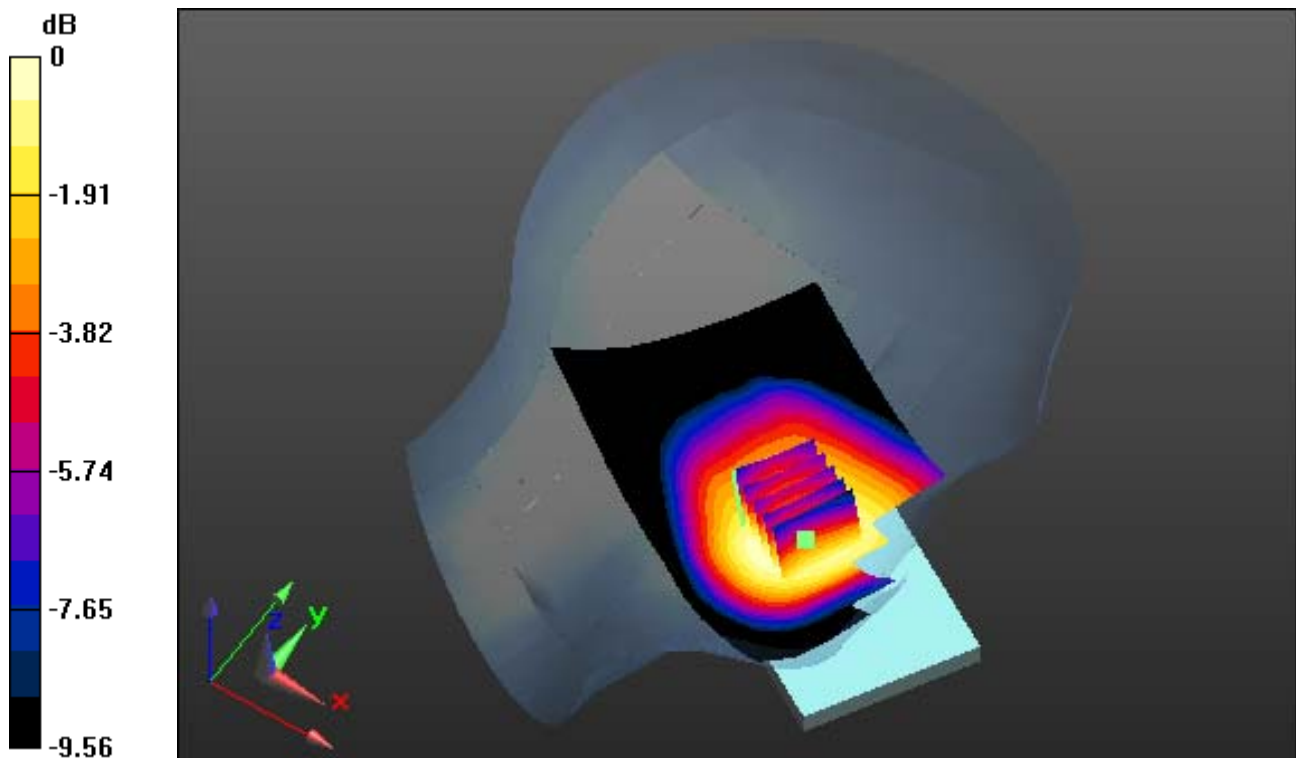
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

**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) = 0.153 mW/g  
**SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.095 mW/g**



0 dB = 0.139 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

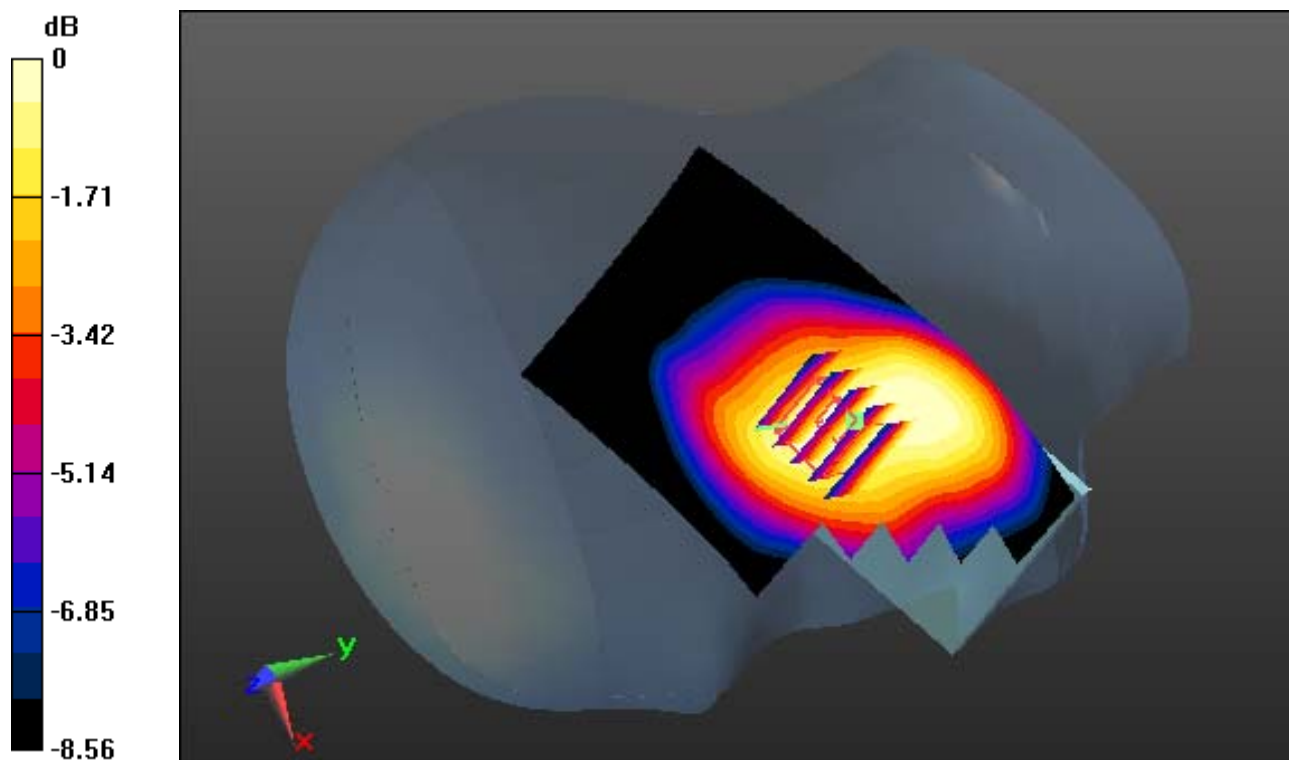
**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.199 mW/g

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.118 mW/g**



0 dB = 0.179 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

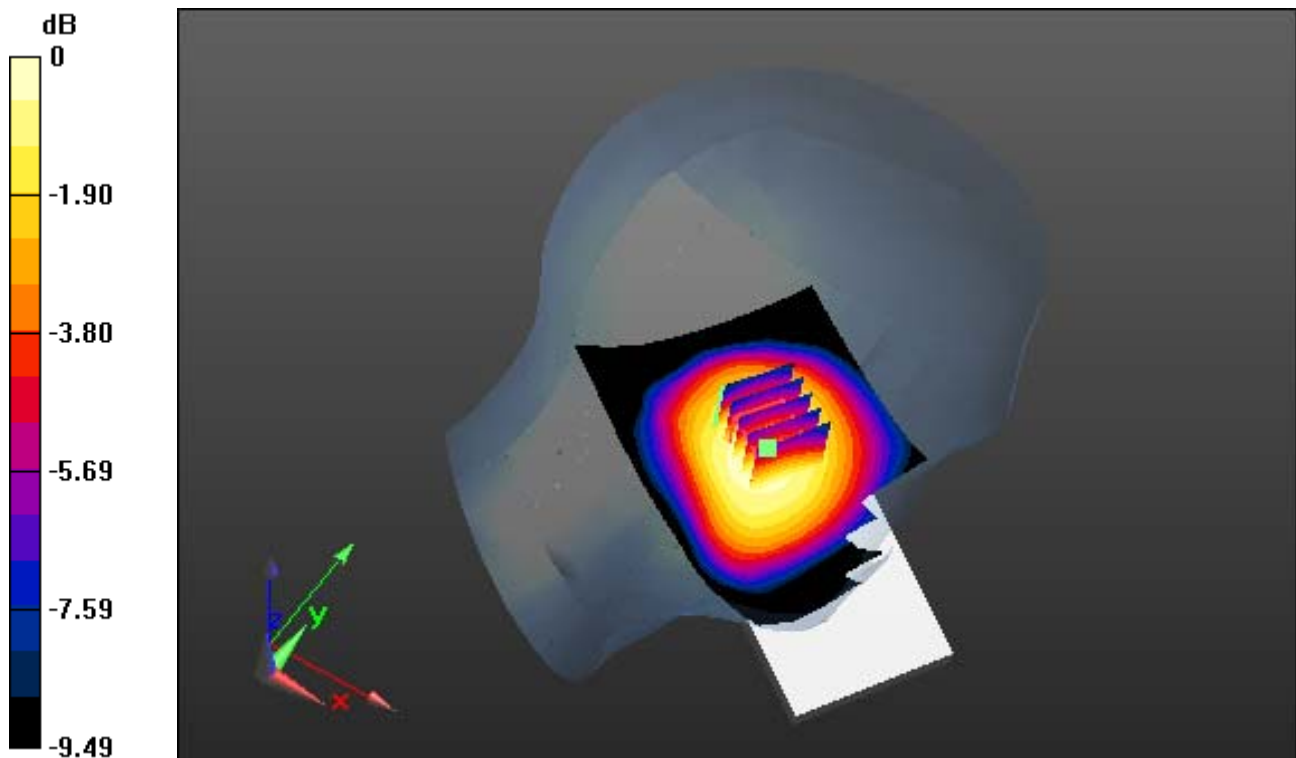
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

## **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 = -0.10 dB  
Peak SAR (extrapolated) = 0.129 mW/g  
**SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.074 mW/g**



0 dB = 0.116 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

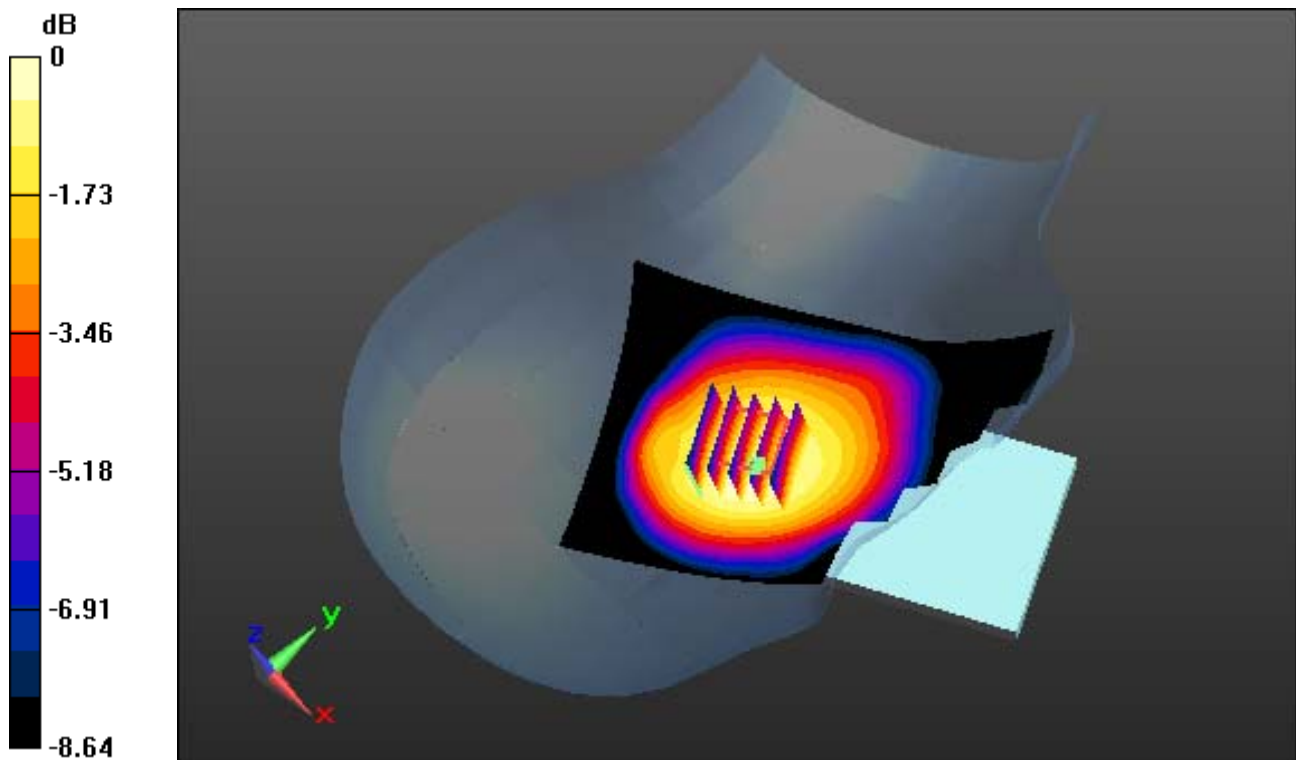
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.158 mW/g

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.095 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.04, 10.04, 10.04); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

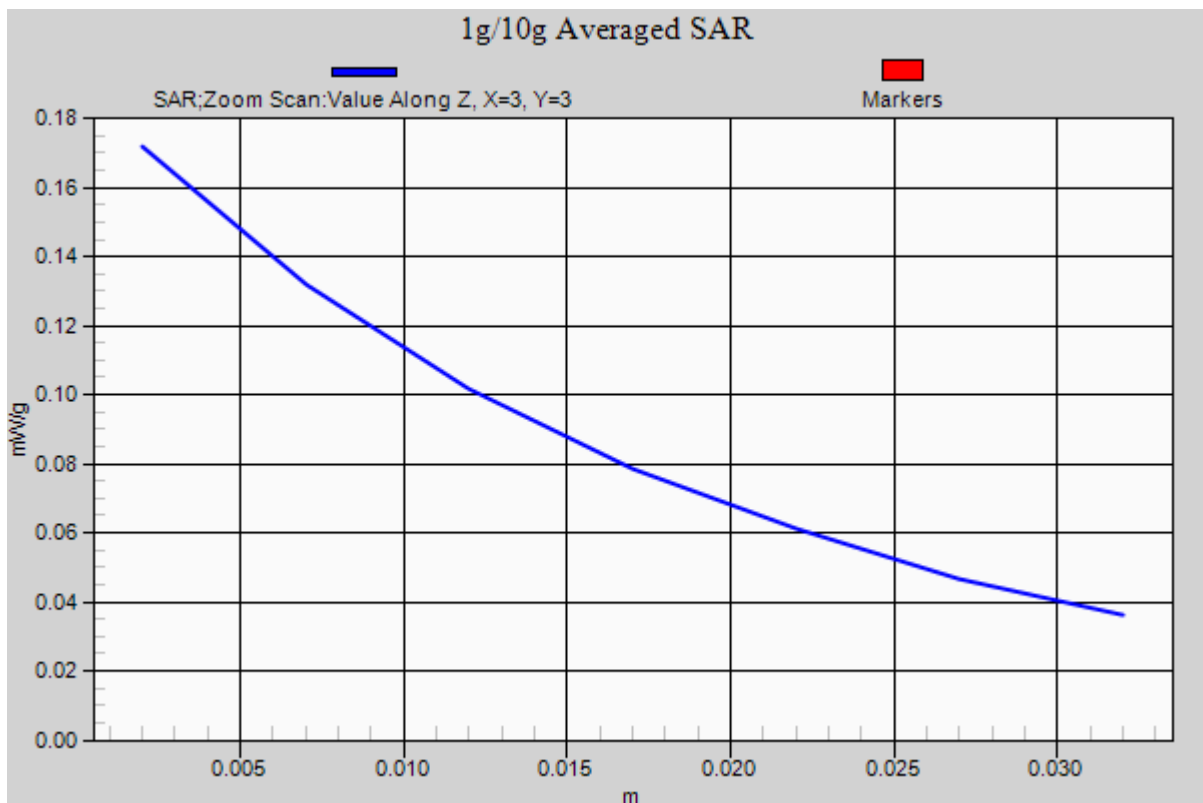
**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.199 mW/g

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.118 mW/g**





# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

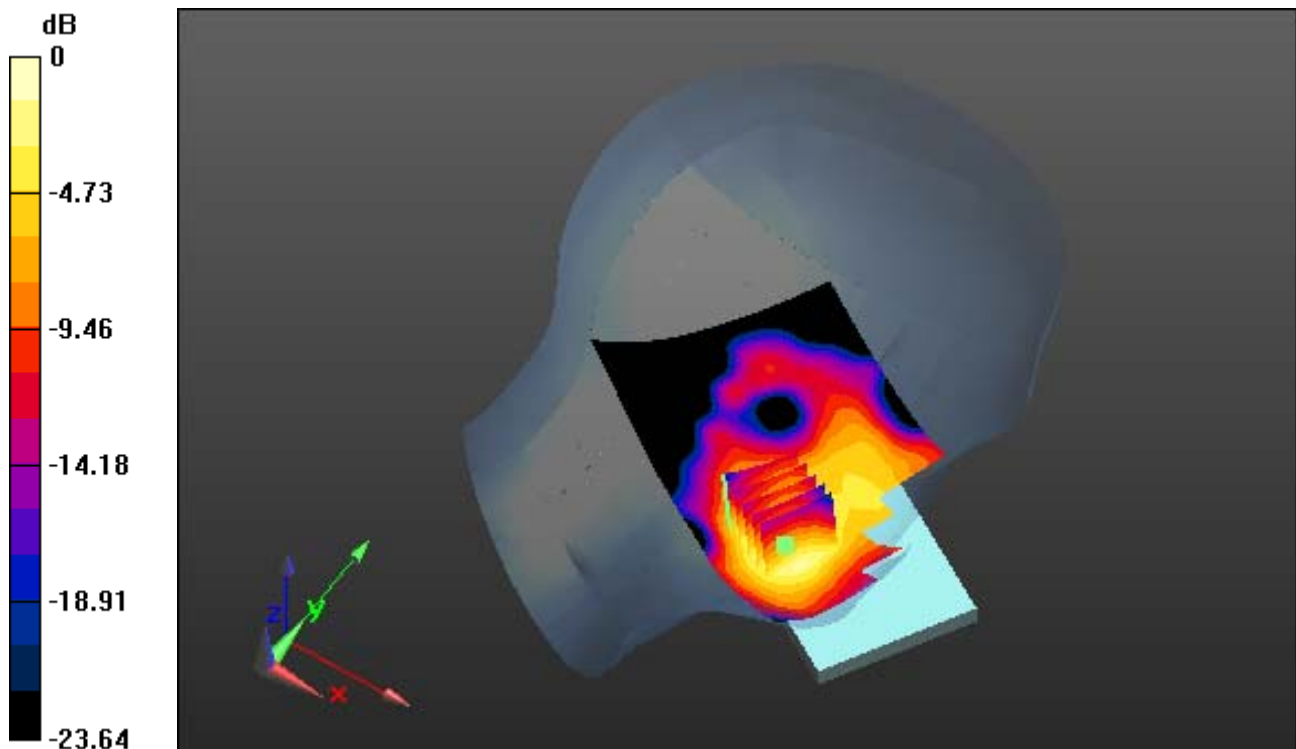
**Left Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery**

**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.217 mW/g

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.086 mW/g**



0 dB = 0.177 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

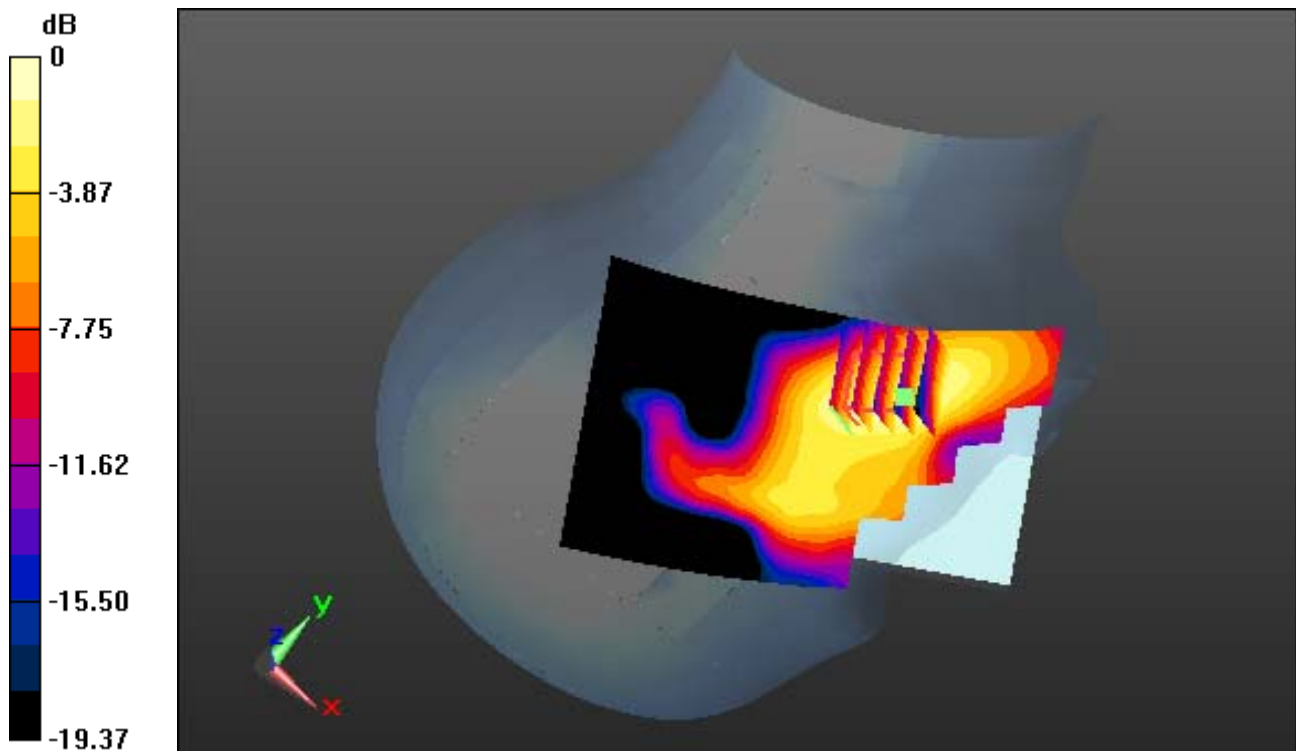
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.207 mW/g

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.082 mW/g**



0 dB = 0.174 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

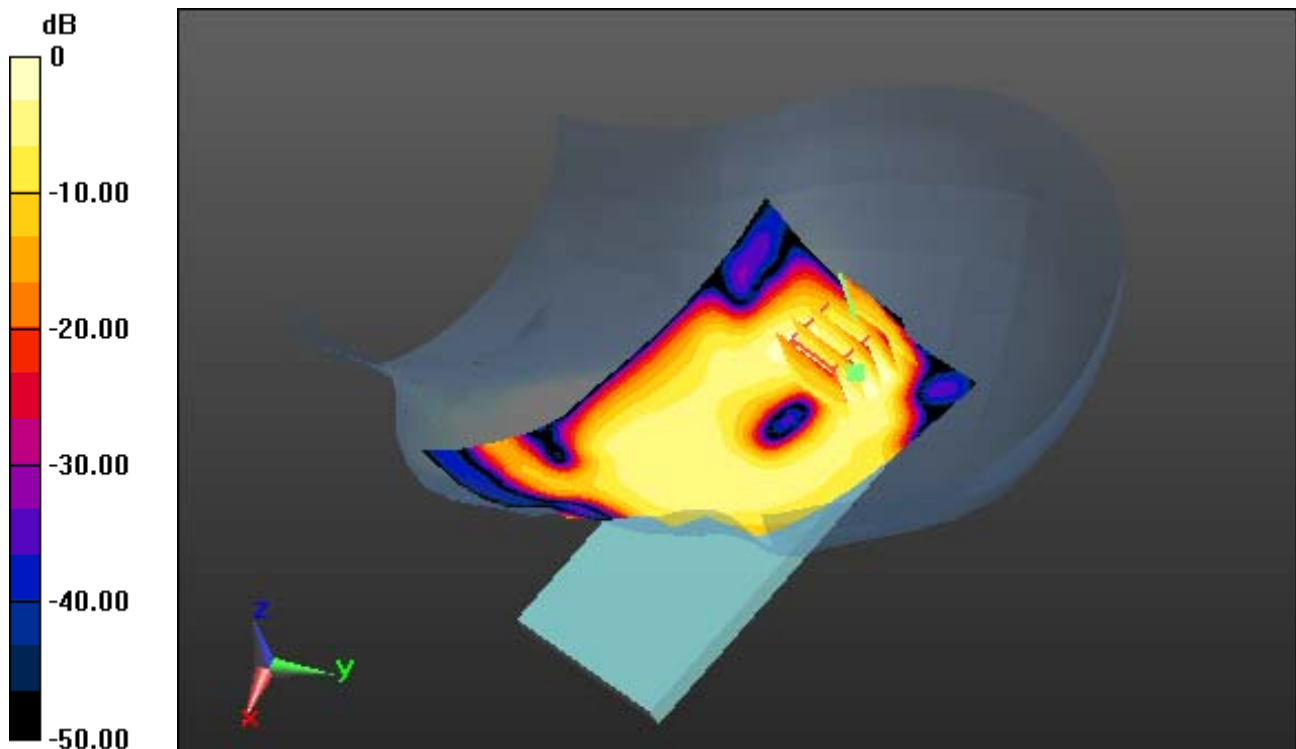
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.079 mW/g

**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.025 mW/g**



0 dB = 0.0637 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

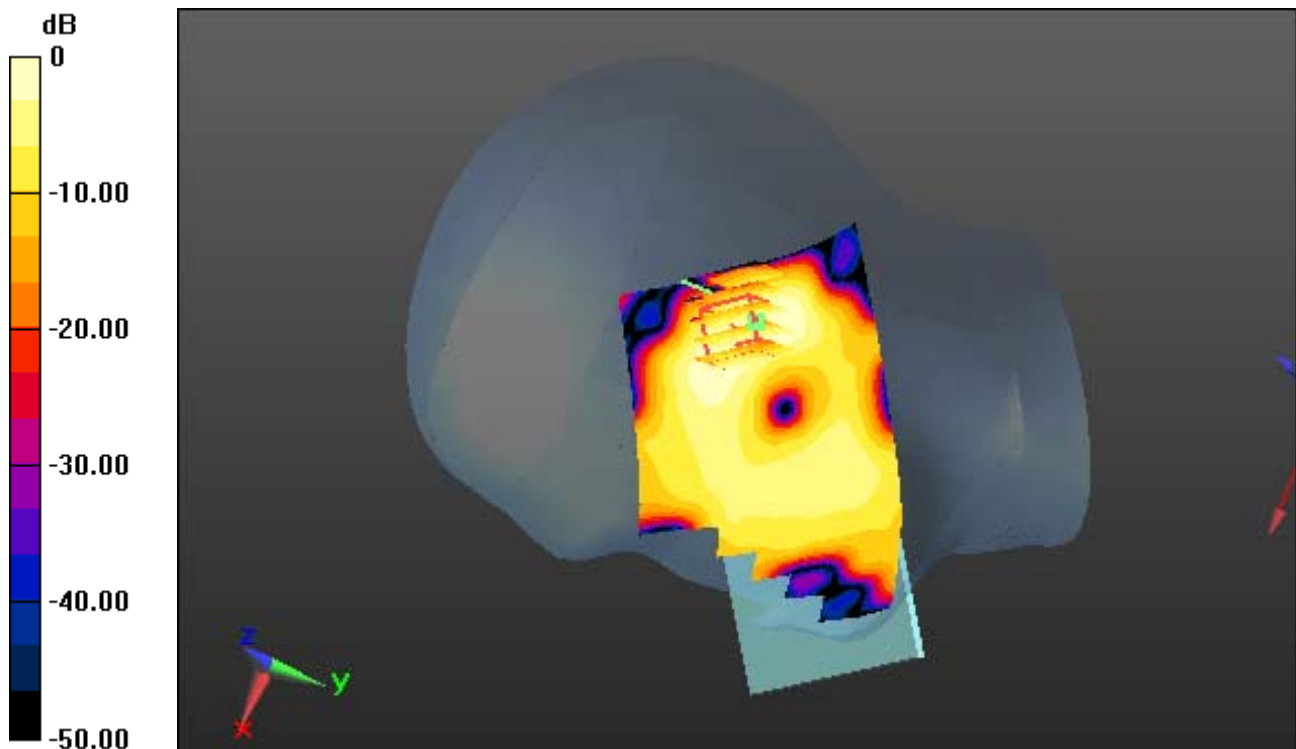
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.073 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.025 mW/g**



0 dB = 0.0569 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(8.52, 8.52, 8.52); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

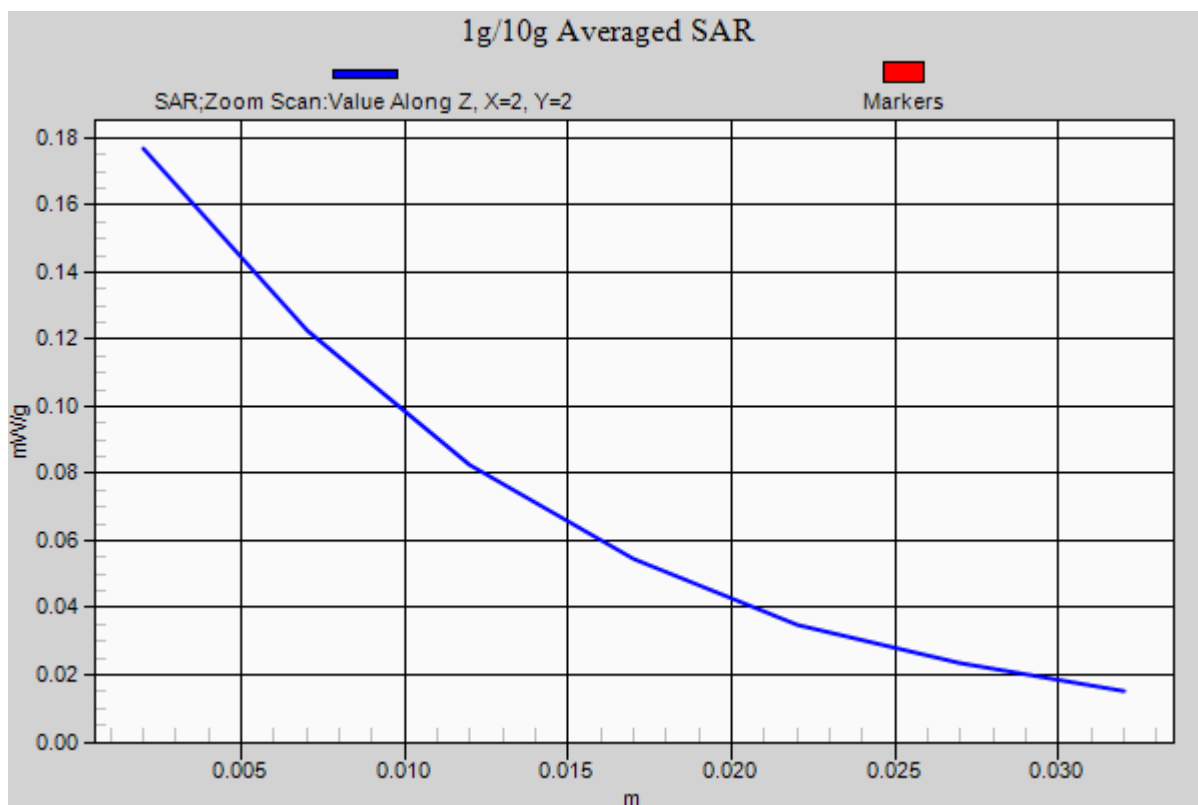
**Left Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery**

**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.217 mW/g

**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.086 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.821$  mho/m;  $\epsilon_r = 39.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

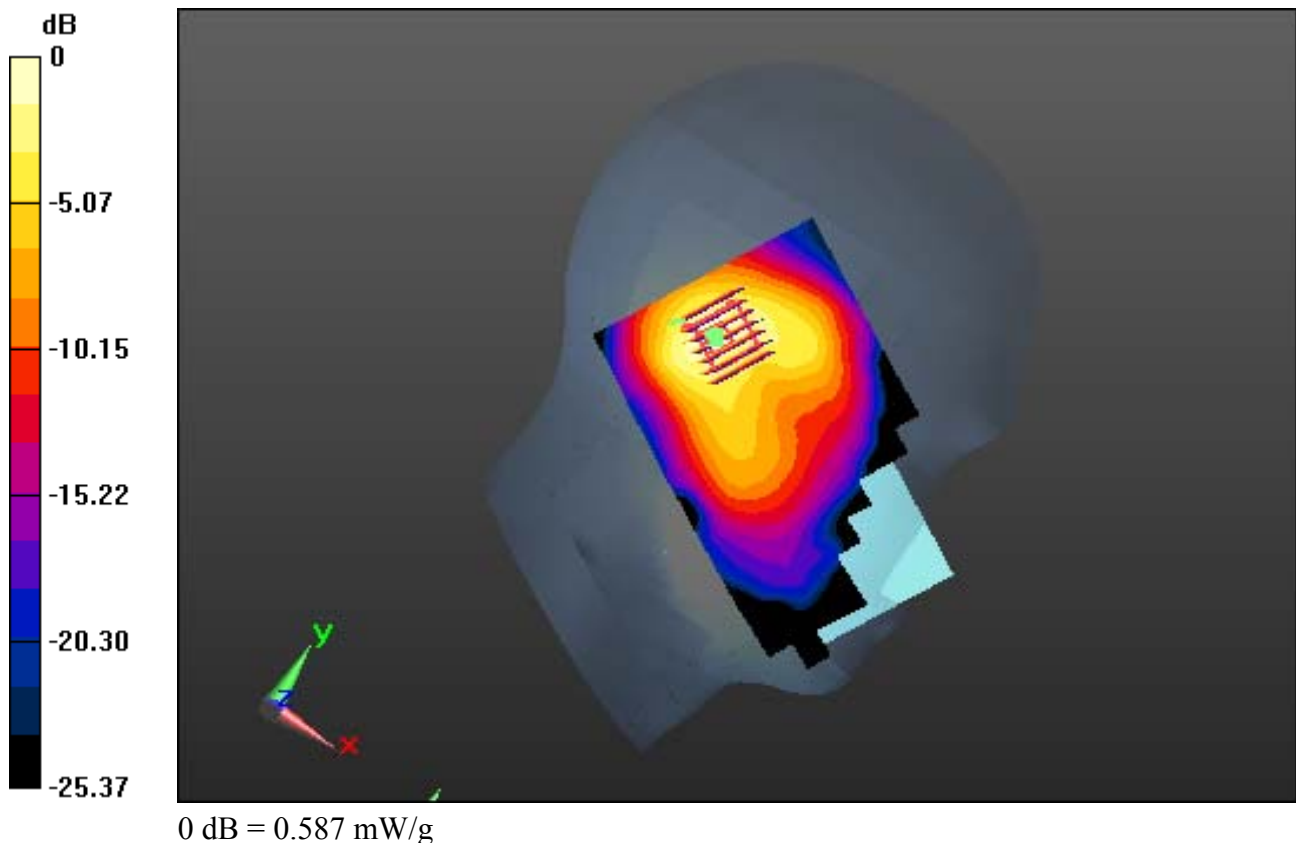
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.65, 7.65, 7.65); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

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

**Area Scan (91x151x1):** Measurement 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) = 0.788 mW/g  
**SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.196 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.821$  mho/m;  $\epsilon_r = 39.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.65, 7.65, 7.65); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

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

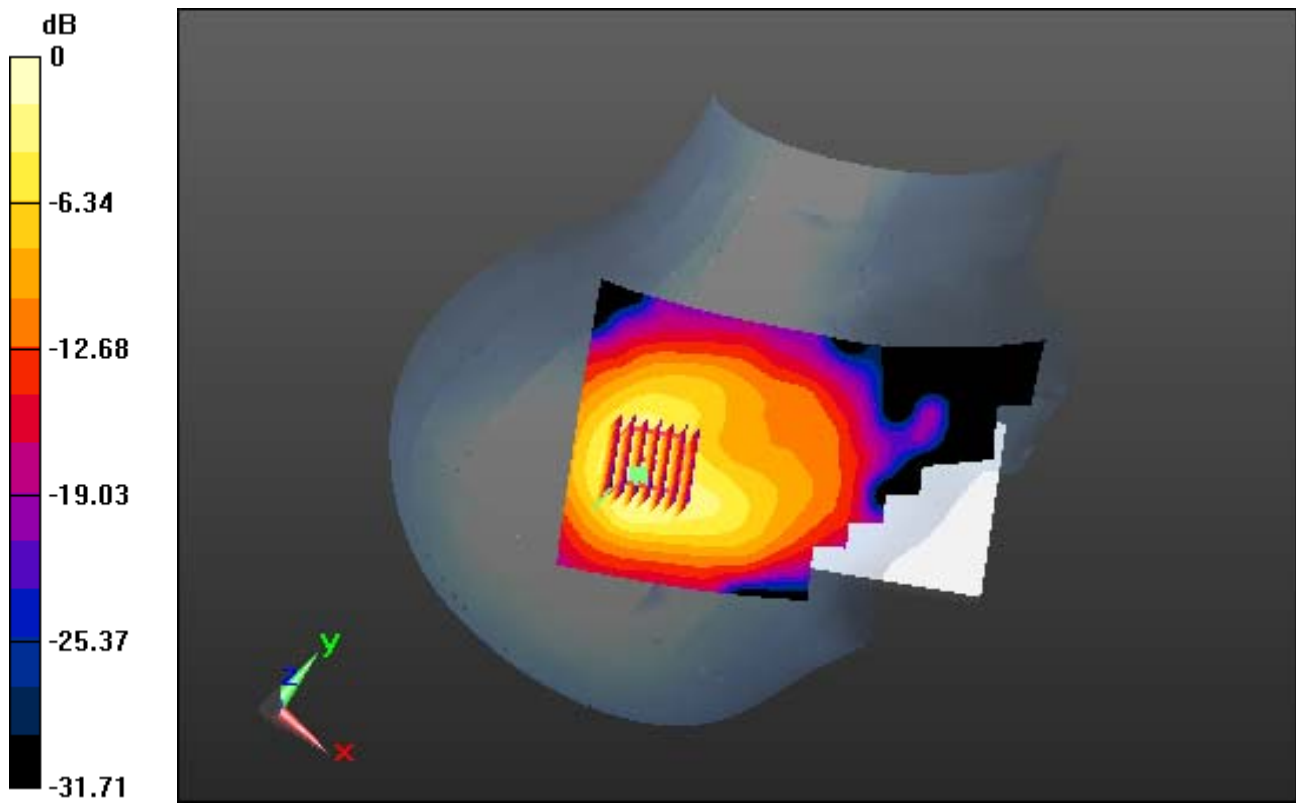
**Area Scan (91x151x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.893 mW/g

**SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.216 mW/g**



0 dB = 0.670 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.821$  mho/m;  $\epsilon_r = 39.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

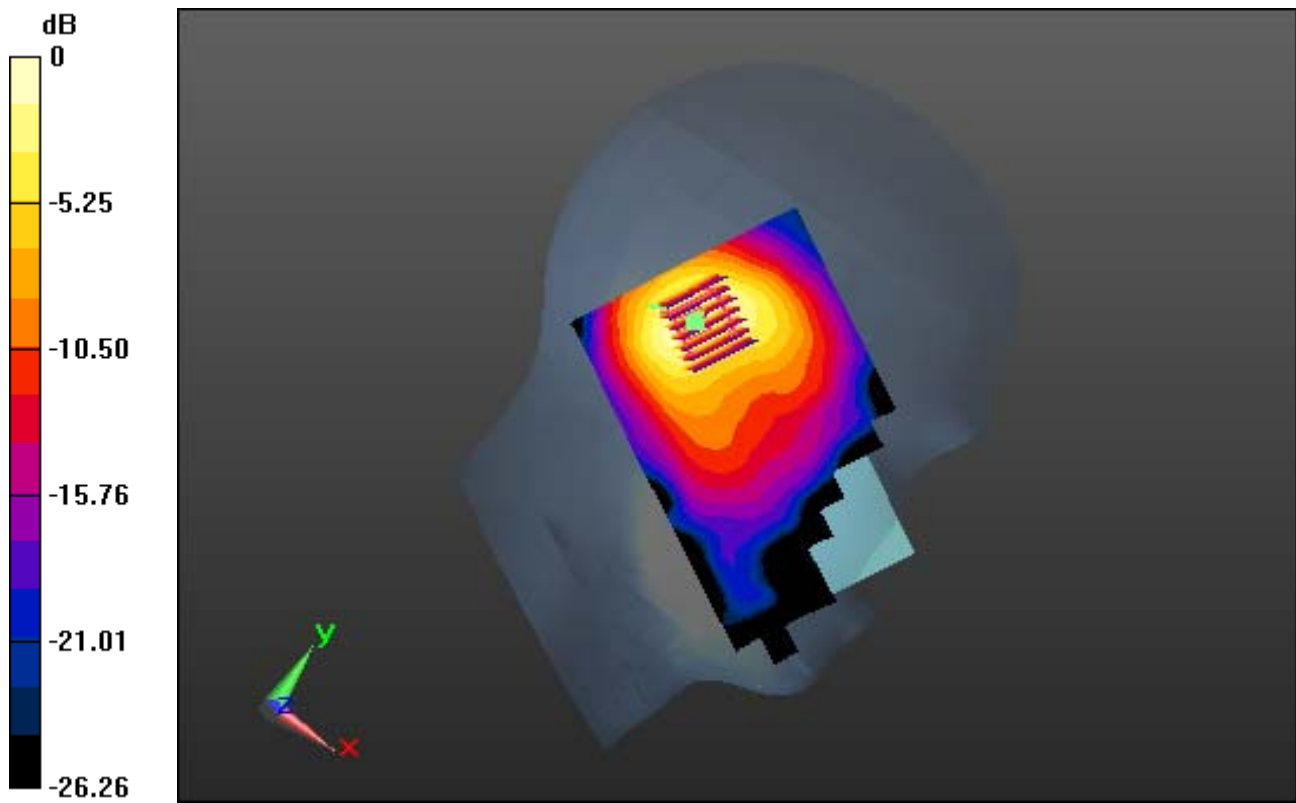
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.65, 7.65, 7.65); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

**Left Tilt, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**

**Area Scan (91x151x1):** Measurement 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) = 0.909 mW/g  
**SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.235 mW/g**



0 dB = 0.679 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.821$  mho/m;  $\epsilon_r = 39.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.65, 7.65, 7.65); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

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

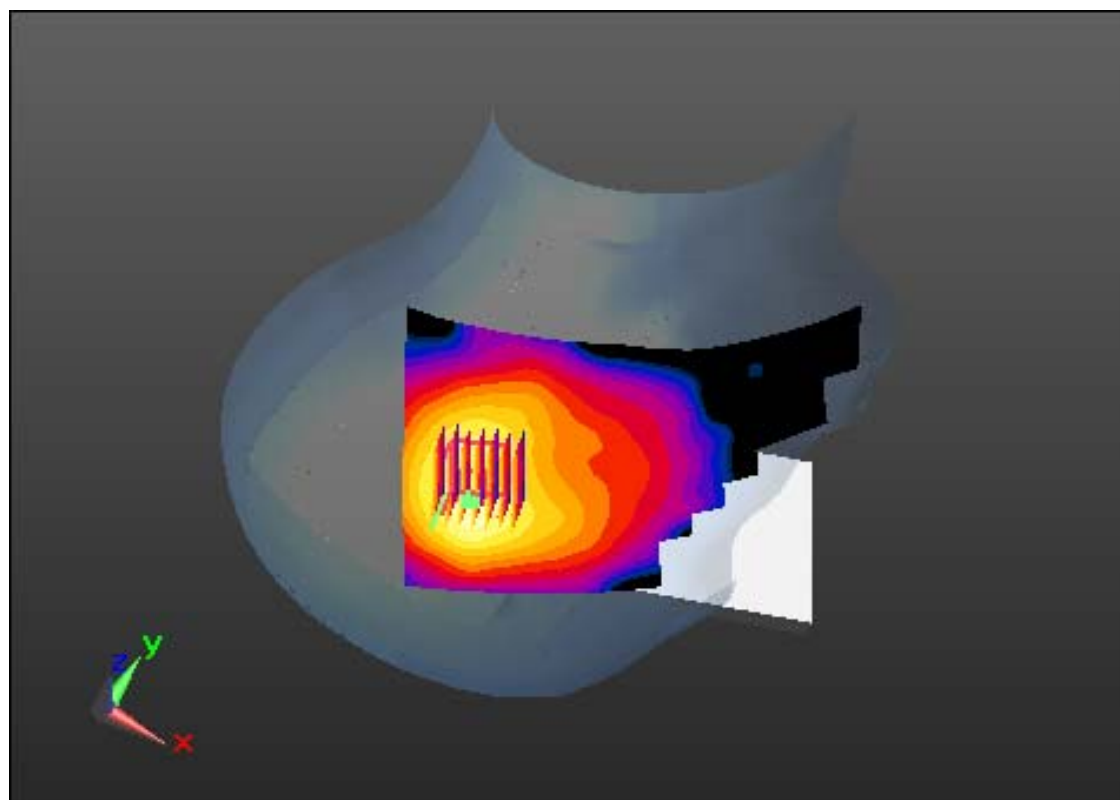
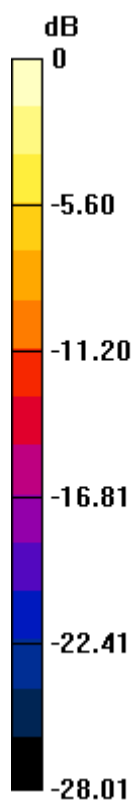
**Area Scan (91x151x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.900 mW/g

**SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.233 mW/g**



0 dB = 0.673 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.821$  mho/m;  $\epsilon_r = 39.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

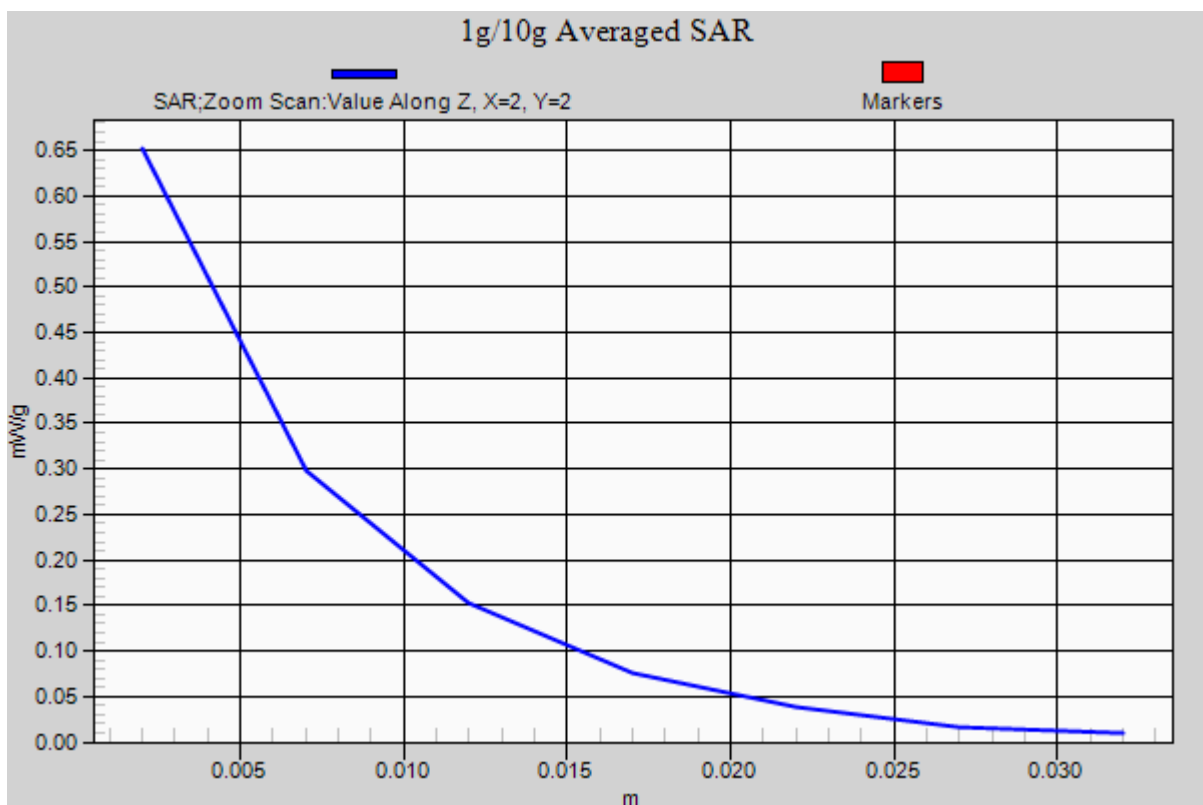
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.65, 7.65, 7.65); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

## **Left Tilt, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**

**Area Scan (91x151x1):** Measurement 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) = 0.909 mW/g  
**SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.235 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  mho/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**Left Touch, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal, Standard Battery**

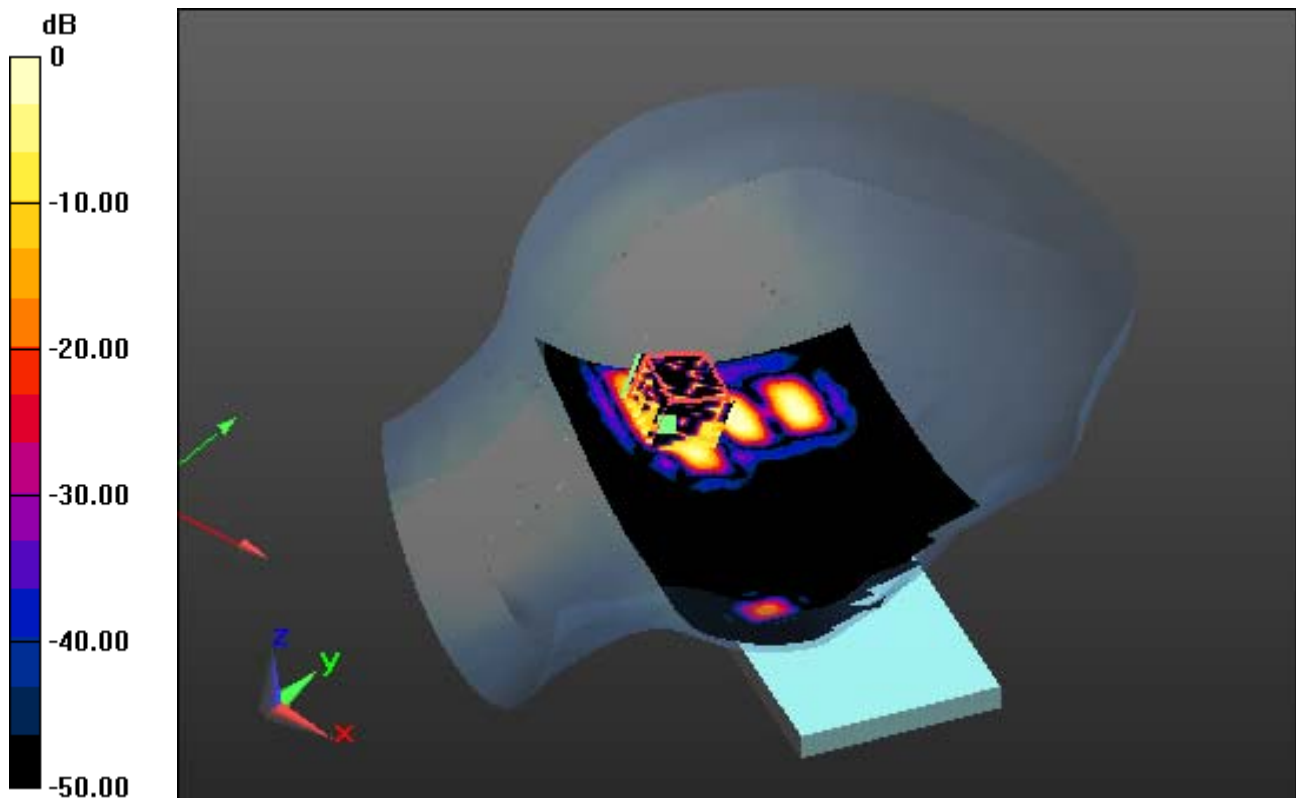
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.285 mW/g

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00787 mW/g



0 dB = 0.0500 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  mho/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**Right Touch, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal, Standard Battery**

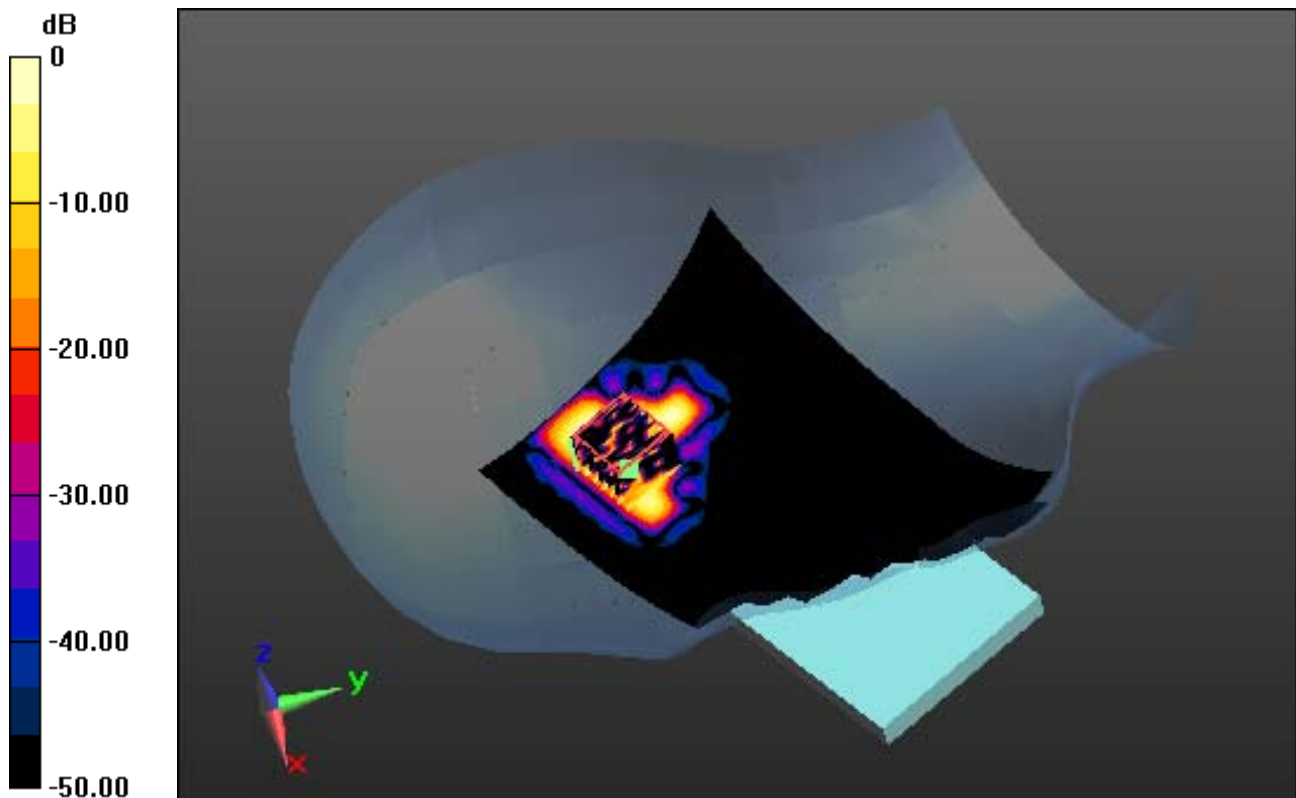
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.234 mW/g

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.014 mW/g**



0 dB = 0.103 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200(40,44) (0); Frequency: 5210 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5210$  MHz;  $\sigma = 4.716$  mho/m;  $\epsilon_r = 36.879$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**Right Touch, WLAN(802.11ac VHT80-5.2G Band) Ch. 42, Ant Internal, Standard Battery**

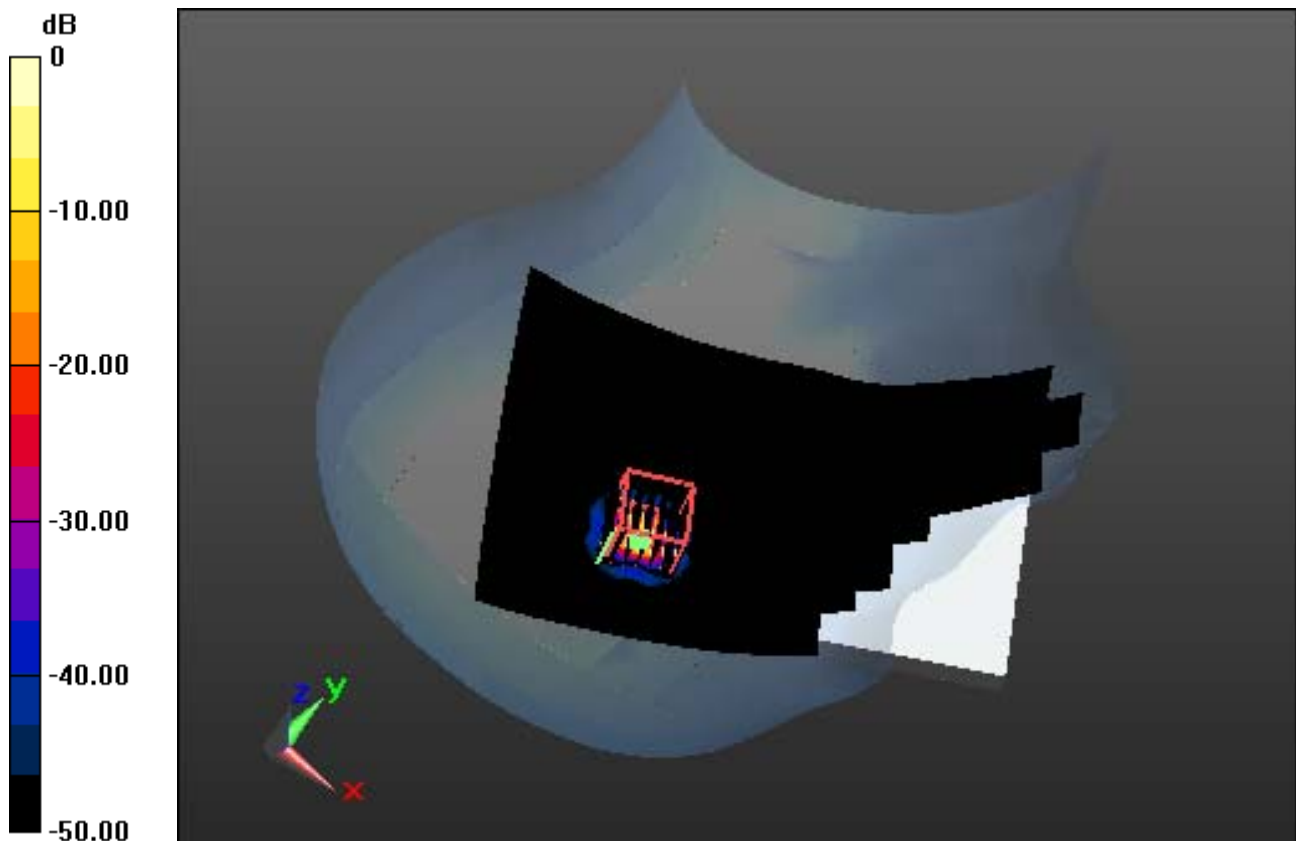
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.188 mW/g

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00381 mW/g**



0 dB = 0.0599 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  mho/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**Left Tilt, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal, Standard Battery**

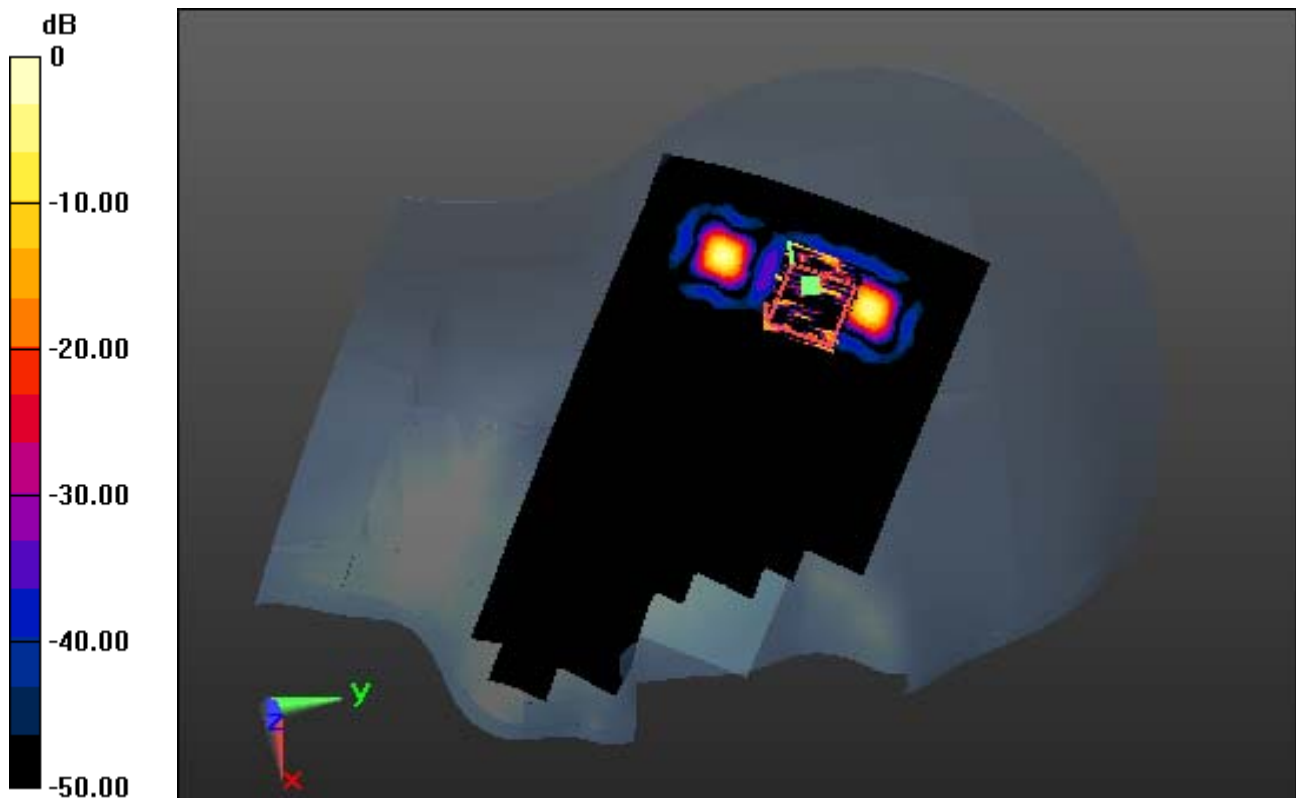
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.243 mW/g

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00259 mW/g



0 dB = 0.0741 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  mho/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

## **Right Tilt, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal, Standard Battery**

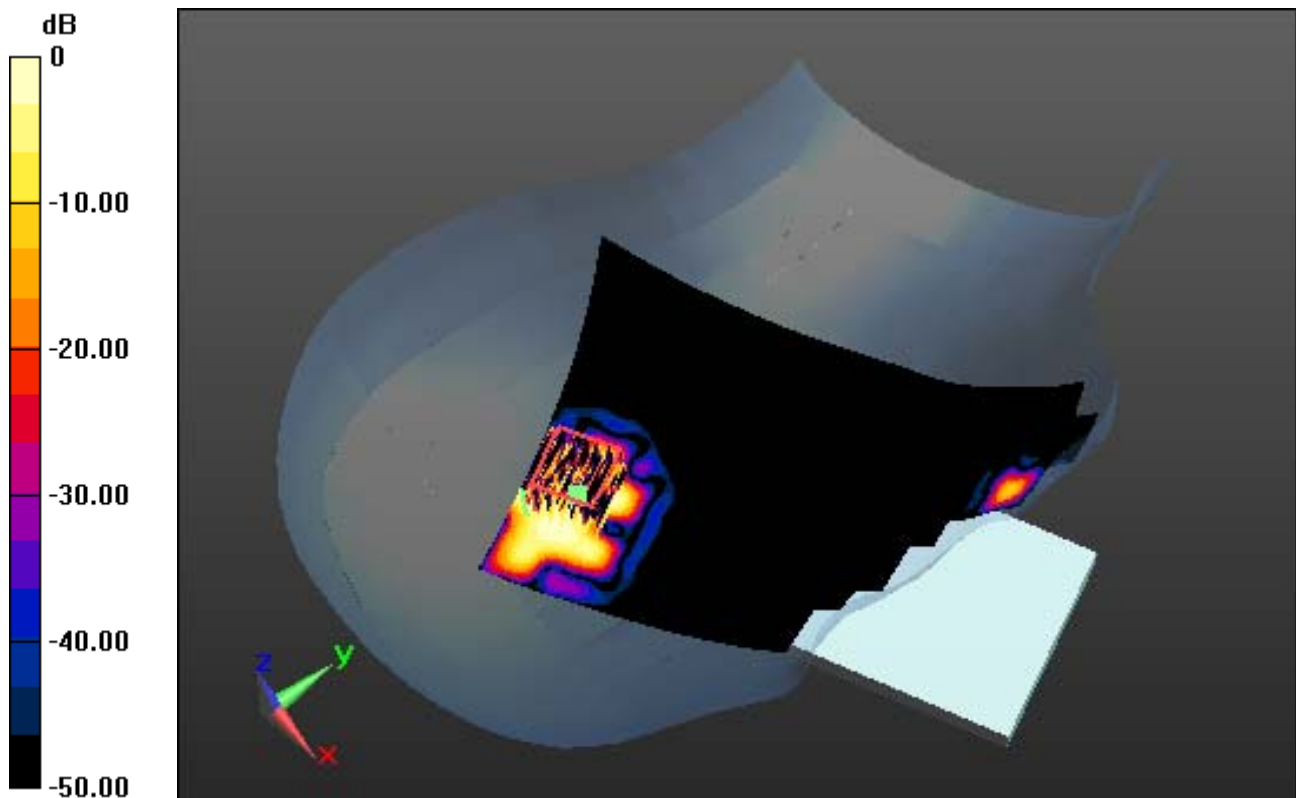
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.222 mW/g

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.0067 mW/g



0 dB = 0.0439 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  mho/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(5.22, 5.22, 5.22); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

## **Right Touch, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal, Standard Battery**

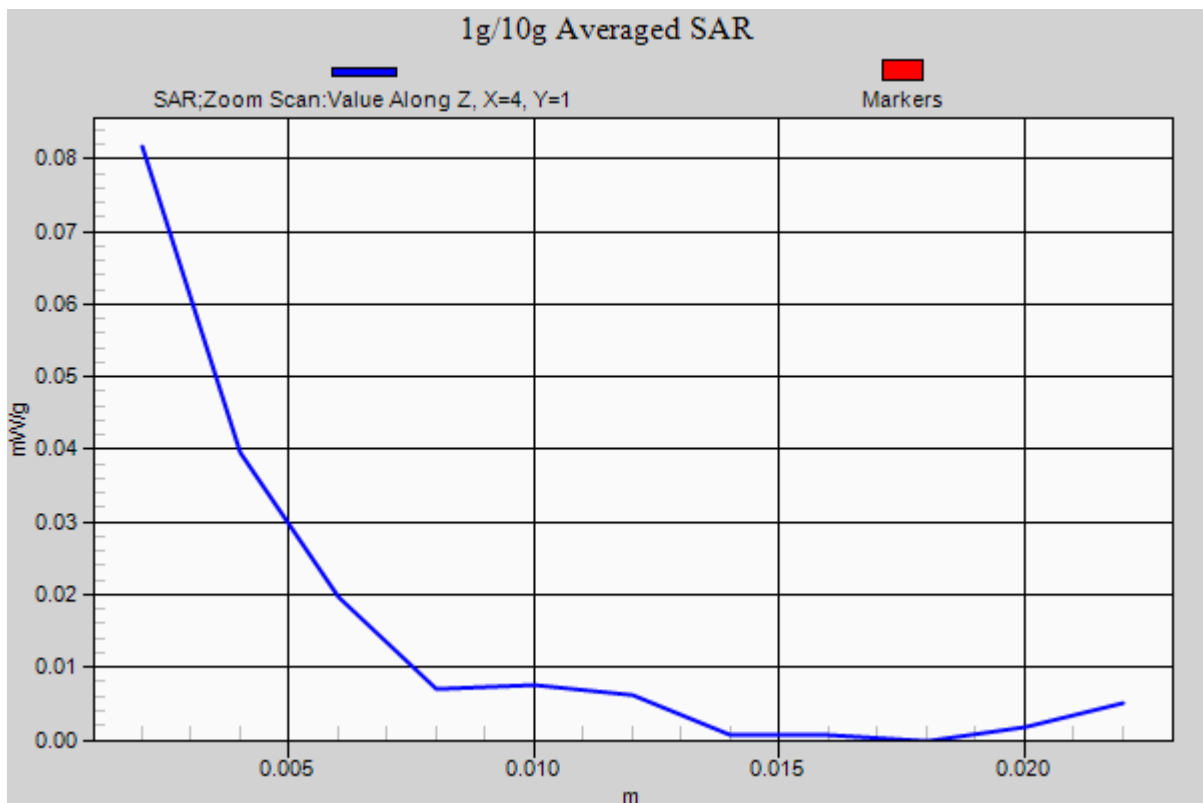
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.234 mW/g

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.014 mW/g**





# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.768$  mho/m;  $\epsilon_r = 36.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.6 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**Left Touch, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal, Standard Battery**

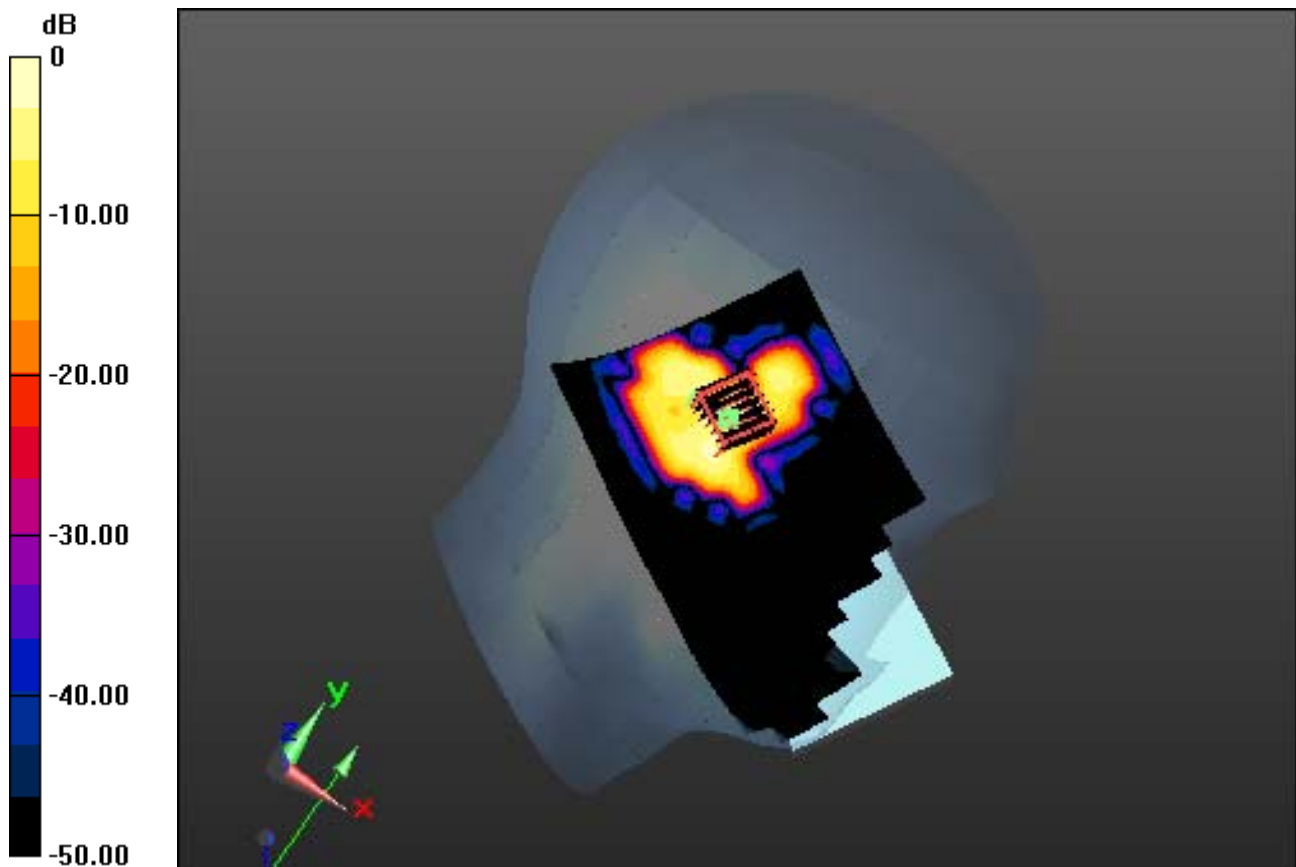
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.315 mW/g

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.016 mW/g**



0 dB = 0.190 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.768$  mho/m;  $\epsilon_r = 36.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**Right Touch, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal, Standard Battery**

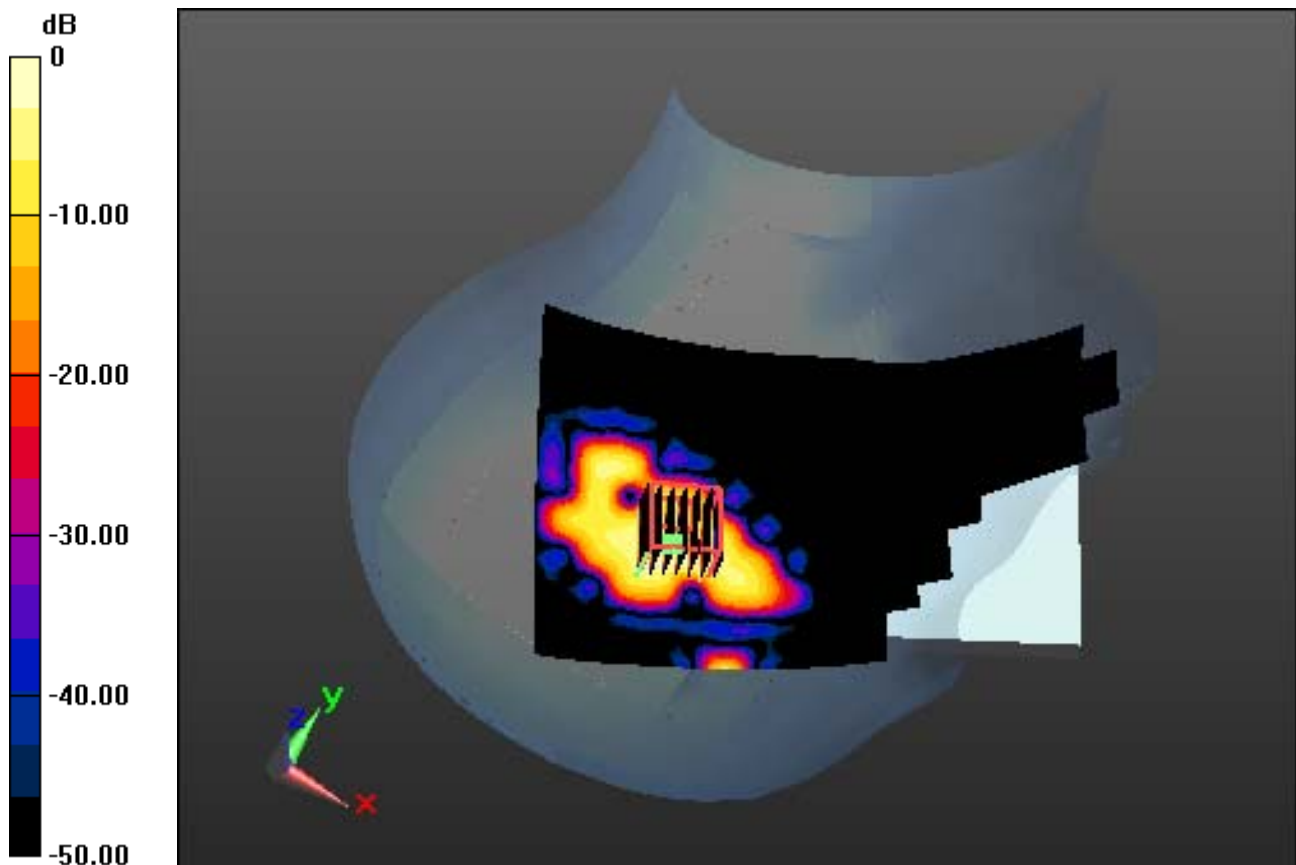
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.436 mW/g

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.028 mW/g



0 dB = 0.257 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5290 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.8$  mho/m;  $\epsilon_r = 36.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**Right Touch, W-LAN(802.11ac VHT80-5.3G Band) Ch. 58, Ant Internal, Standard Battery**

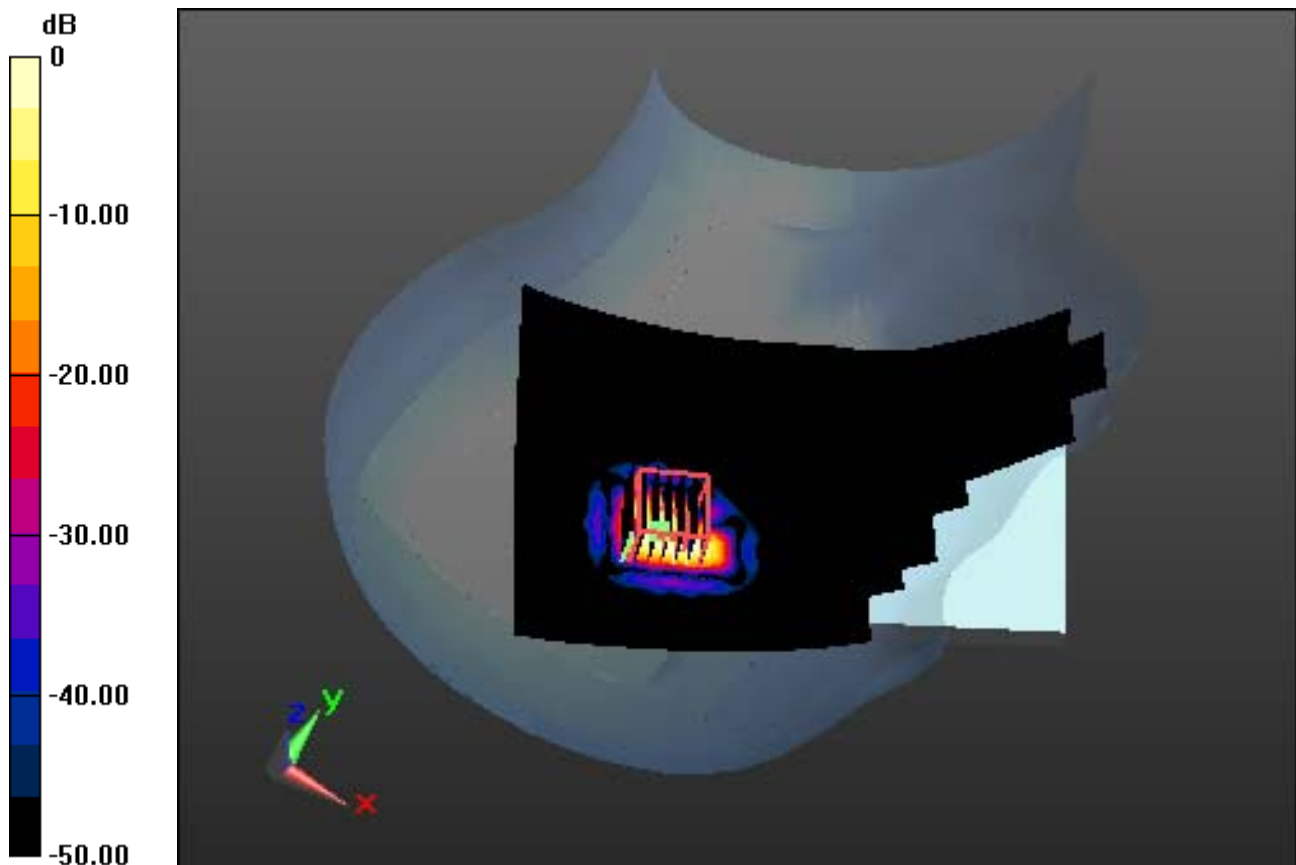
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.288 mW/g

**SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.013 mW/g**



0 dB = 0.142 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.768$  mho/m;  $\epsilon_r = 36.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**Left Tilt, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal, Standard Battery**

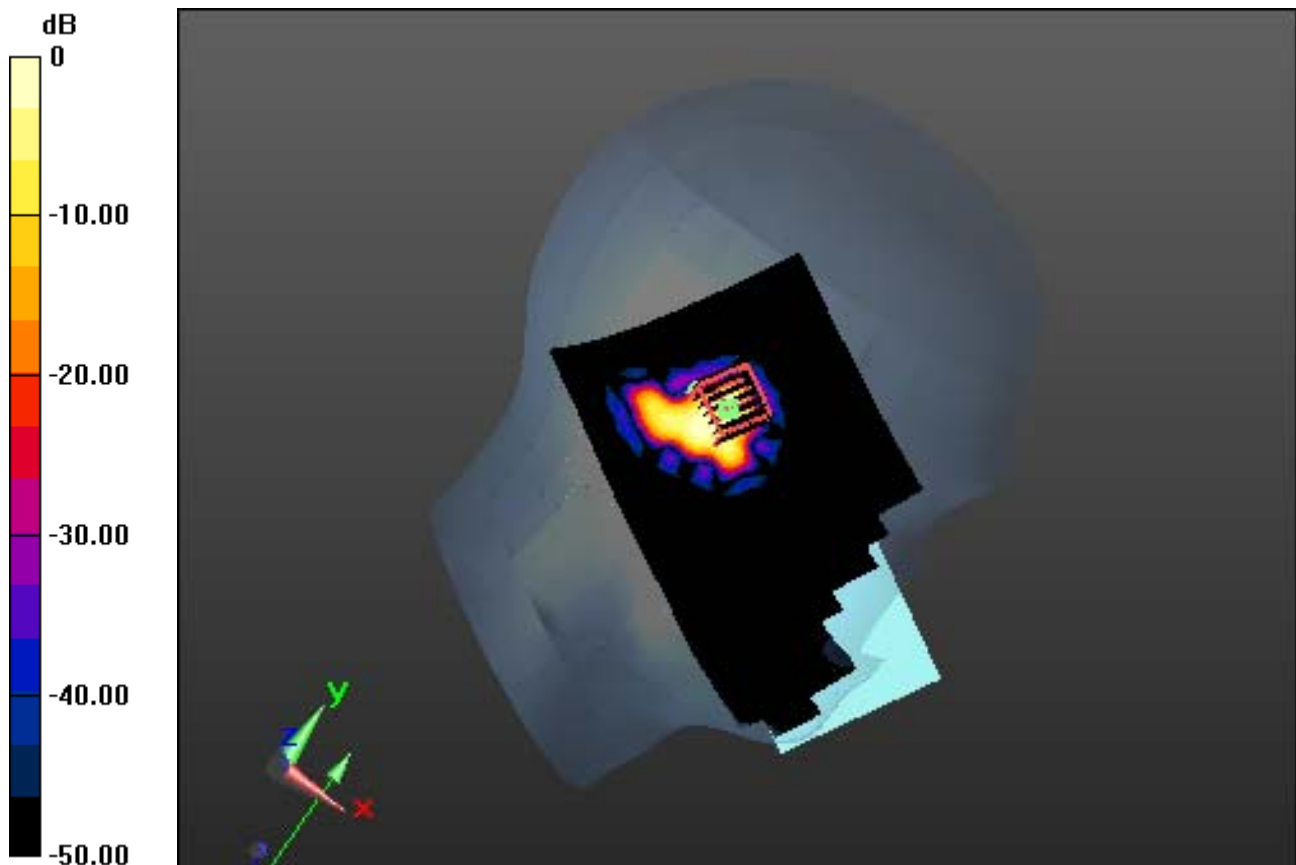
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.245 mW/g

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.013 mW/g**



0 dB = 0.135 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.768$  mho/m;  $\epsilon_r = 36.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**Right Tilt, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal, Standard Battery**

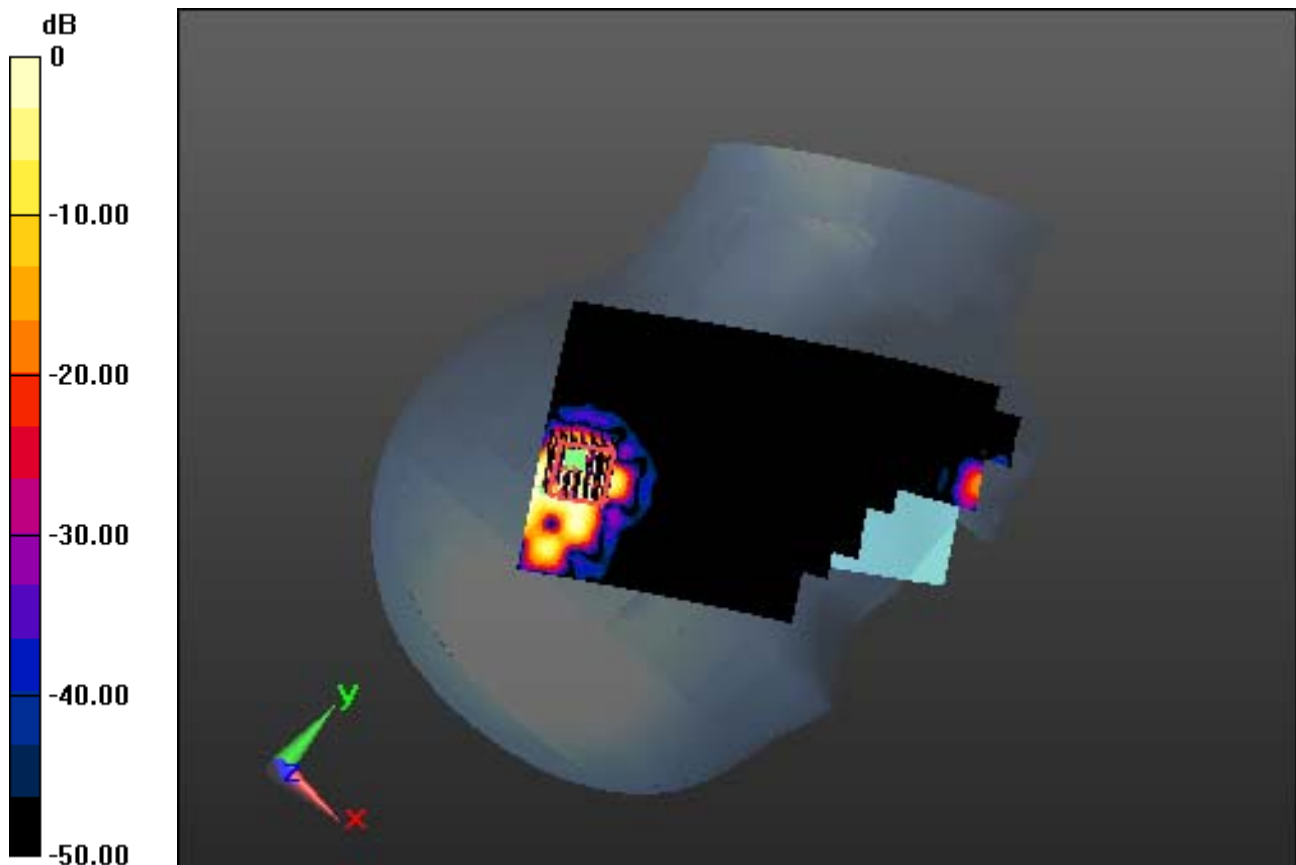
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.156 mW/g

**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00279 mW/g**



0 dB = 0.0327 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.768$  mho/m;  $\epsilon_r = 36.672$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.89, 4.89, 4.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

## **Right Touch, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal, Standard Battery**

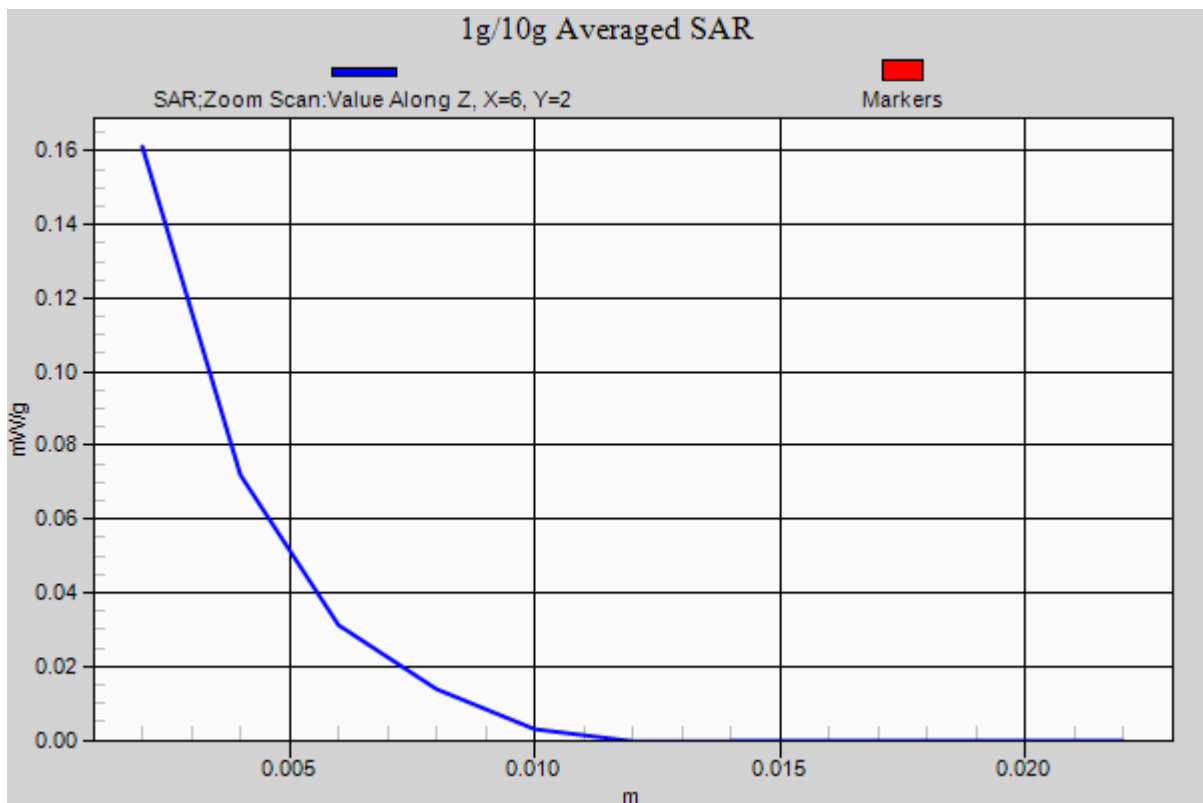
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.436 mW/g

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.028 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.087$  mho/m;  $\epsilon_r = 34.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.79, 4.79, 4.79); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

## **Left Touch, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal, Standard Battery**

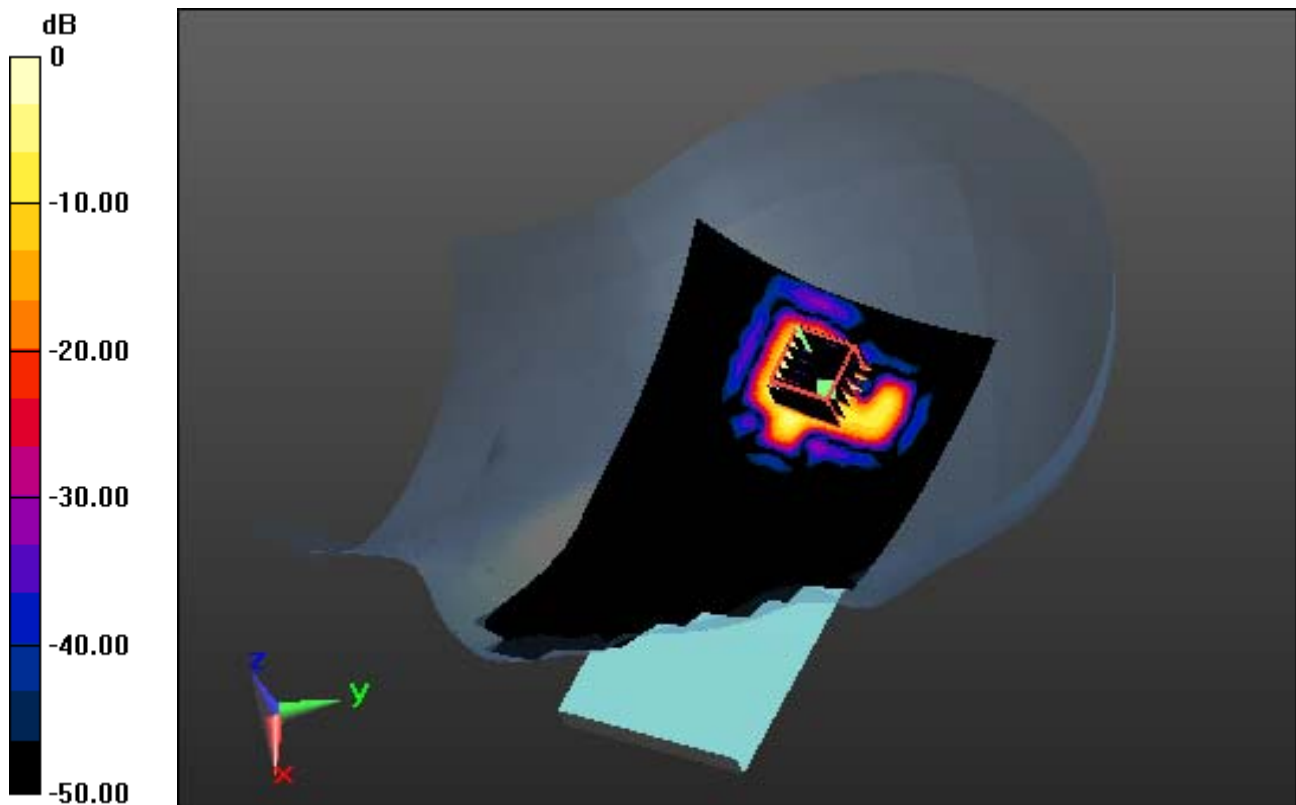
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.730 mW/g

**SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.056 mW/g**



0 dB = 0.388 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.087$  mho/m;  $\epsilon_r = 34.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.79, 4.79, 4.79); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**Right Touch, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal, Standard Battery**

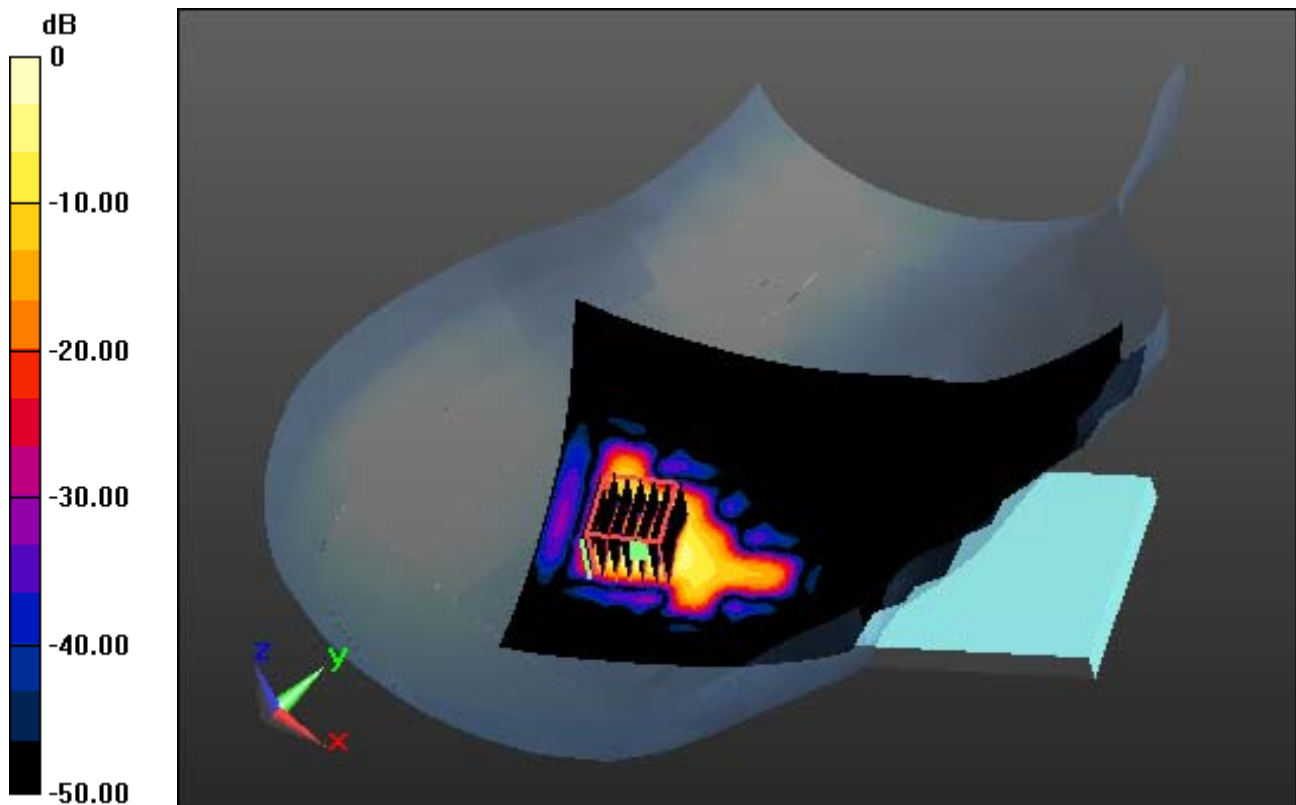
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.090 mW/g

**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.070 mW/g**



0 dB = 0.618 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5530 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5530$  MHz;  $\sigma = 4.888$  mho/m;  $\epsilon_r = 34.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

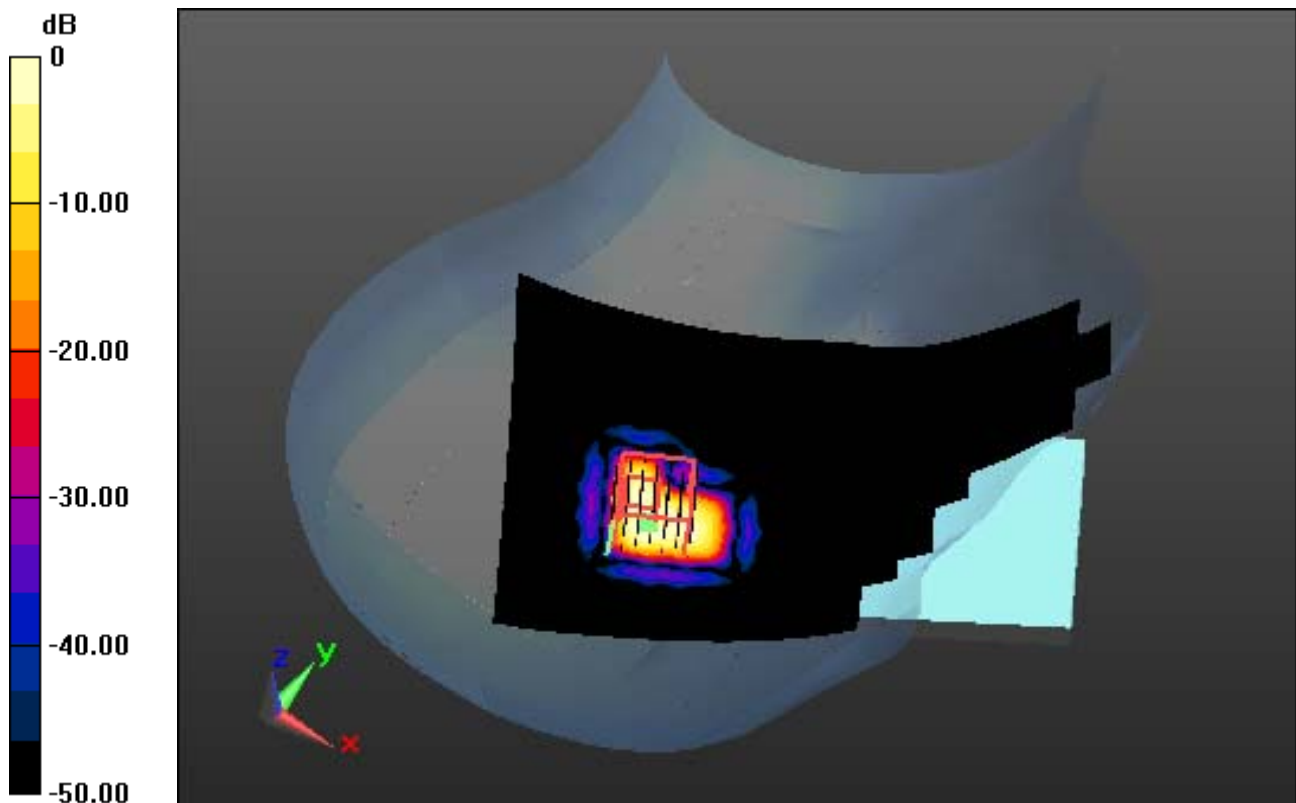
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.99, 4.99, 4.99); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**""Right Touch, W-LAN(802.11ac VHT80-5.6G Band) Ch. 106, Ant Internal, Standard Battery**

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm  
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 0.312 mW/g  
**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.020 mW/g**



0 dB = 0.177 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.087$  mho/m;  $\epsilon_r = 34.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

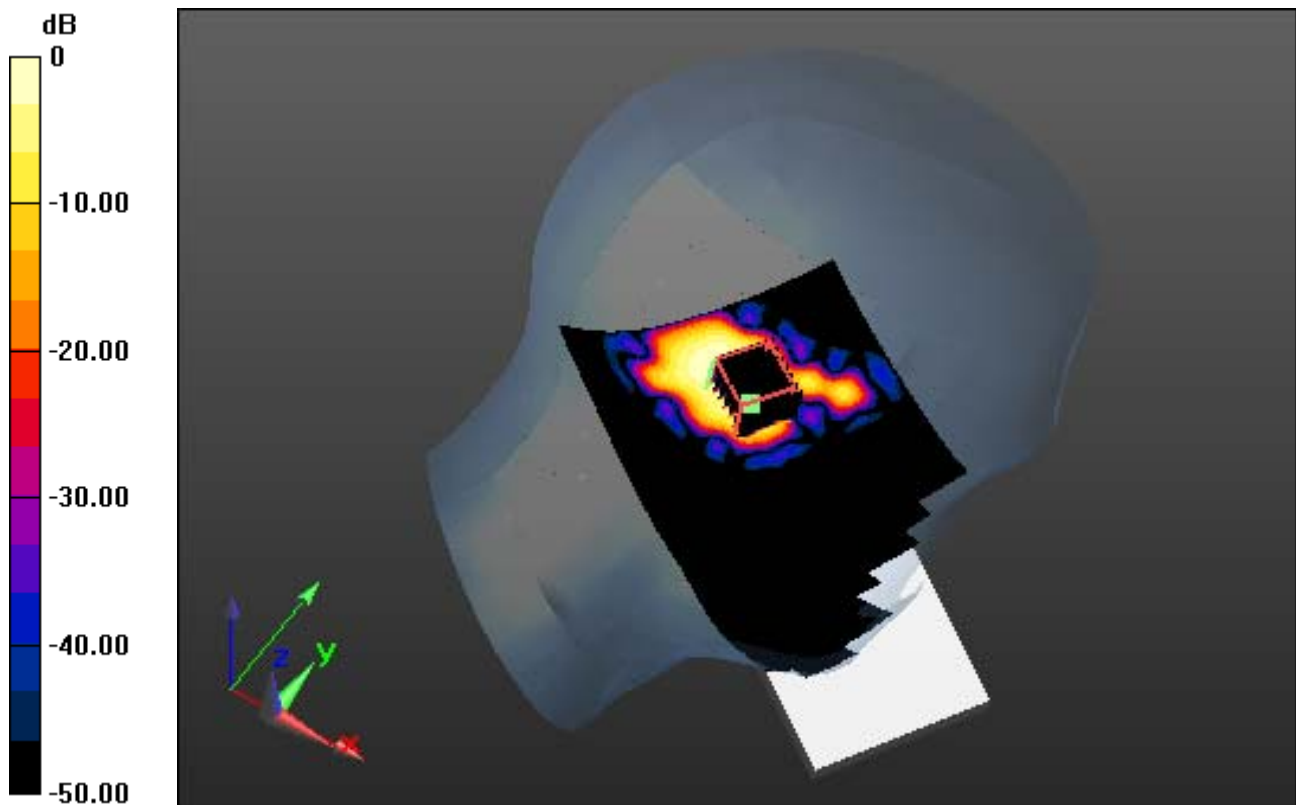
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.79, 4.79, 4.79); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**Left Tilt, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal, Standard Battery**

**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm  
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.327 mW/g  
**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.017 mW/g**



0 dB = 0.166 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.087$  mho/m;  $\epsilon_r = 34.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.79, 4.79, 4.79); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**Right Tilt, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal, Standard Battery**

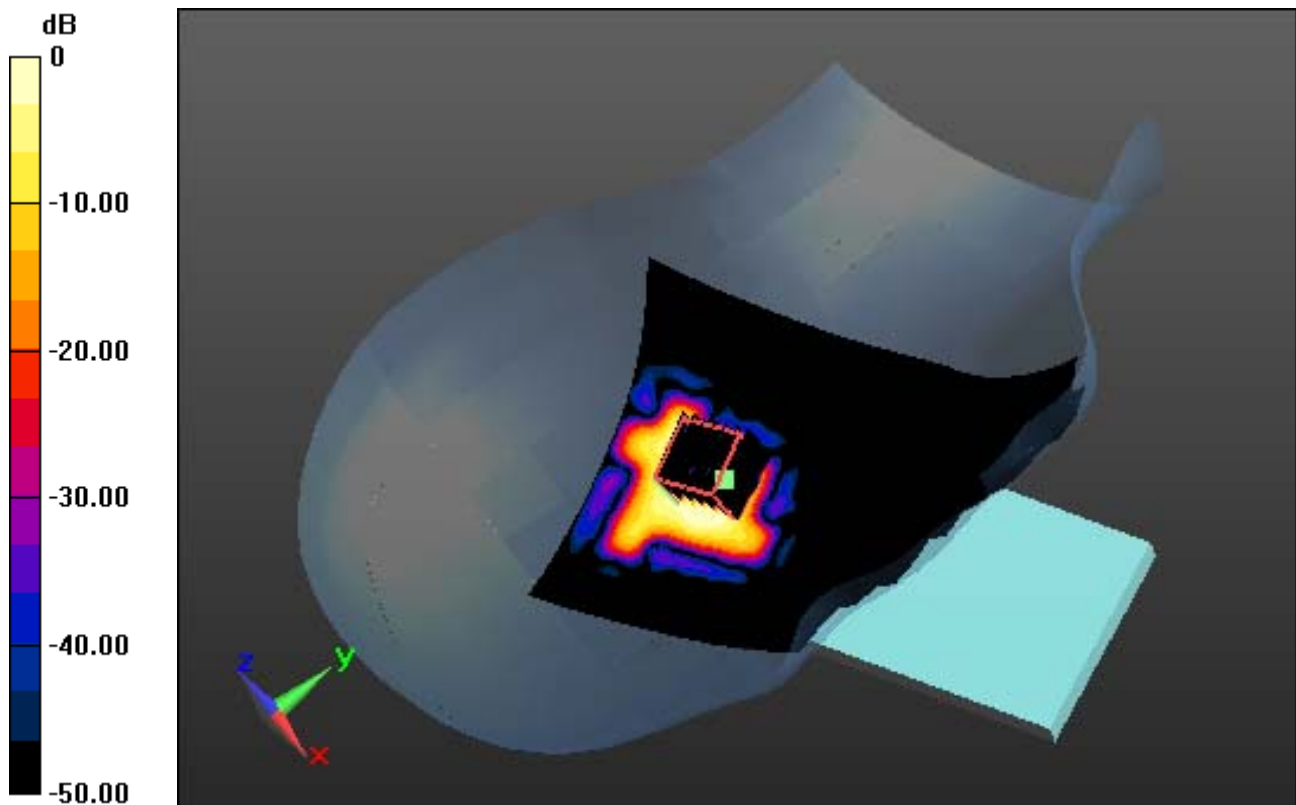
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.350 mW/g

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.017 mW/g**



0 dB = 0.173 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.087$  mho/m;  $\epsilon_r = 34.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.79, 4.79, 4.79); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**Right Touch, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal, Standard Battery**

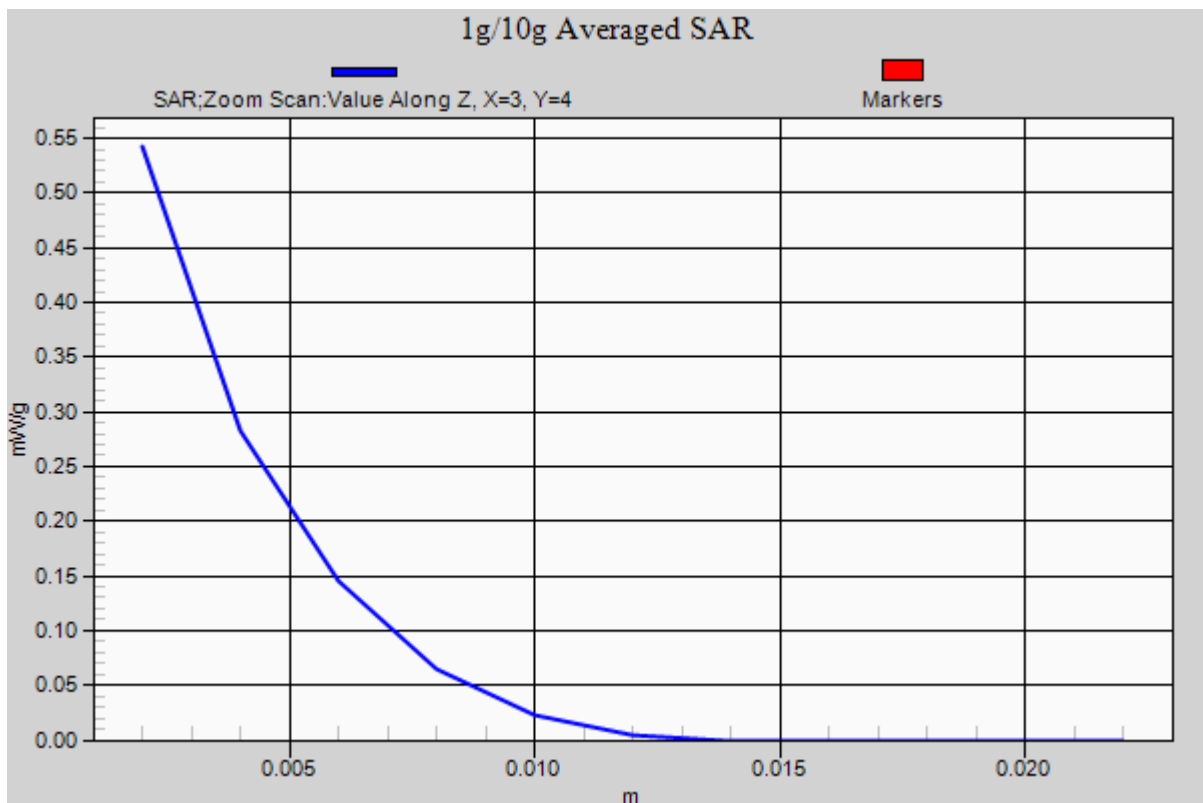
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.090 mW/g

**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.070 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

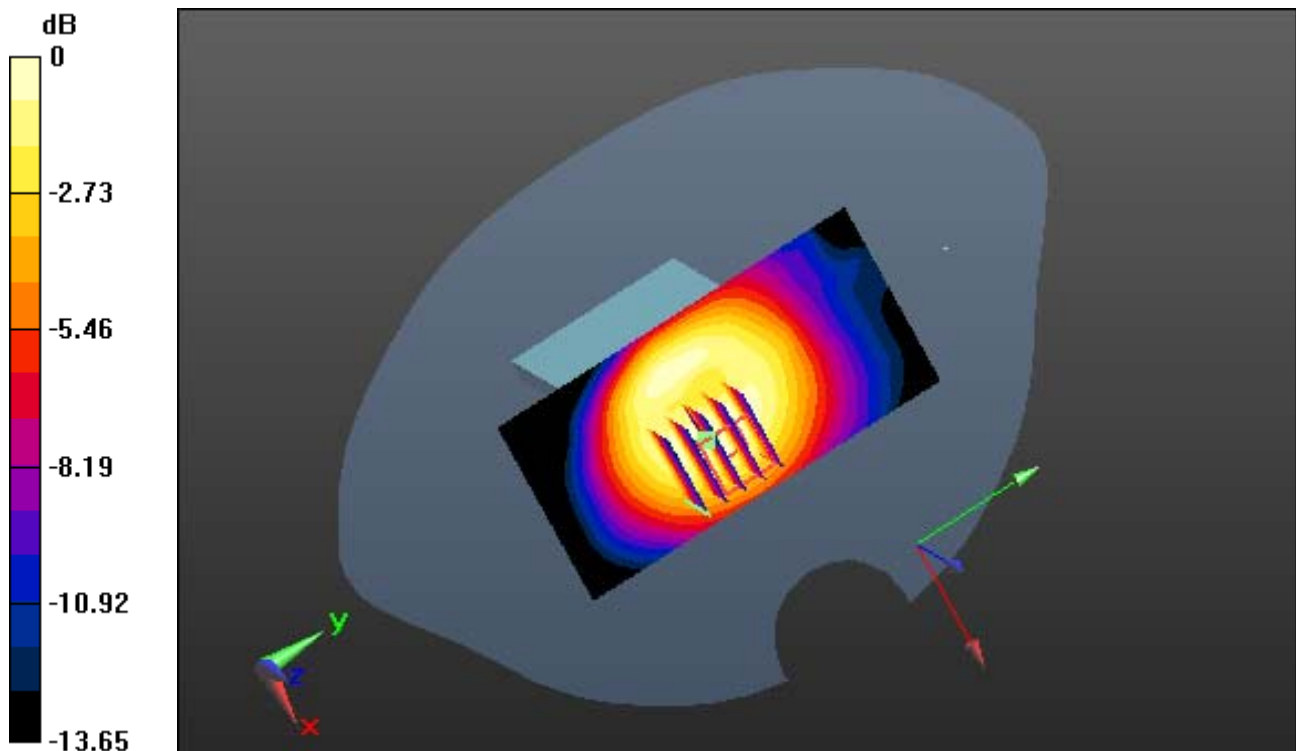
**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.131 mW/g

**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.048 mW/g**



0 dB = 0.0982 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-15; Ambient Temp: 22.1; Tissue Temp: 22.4

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

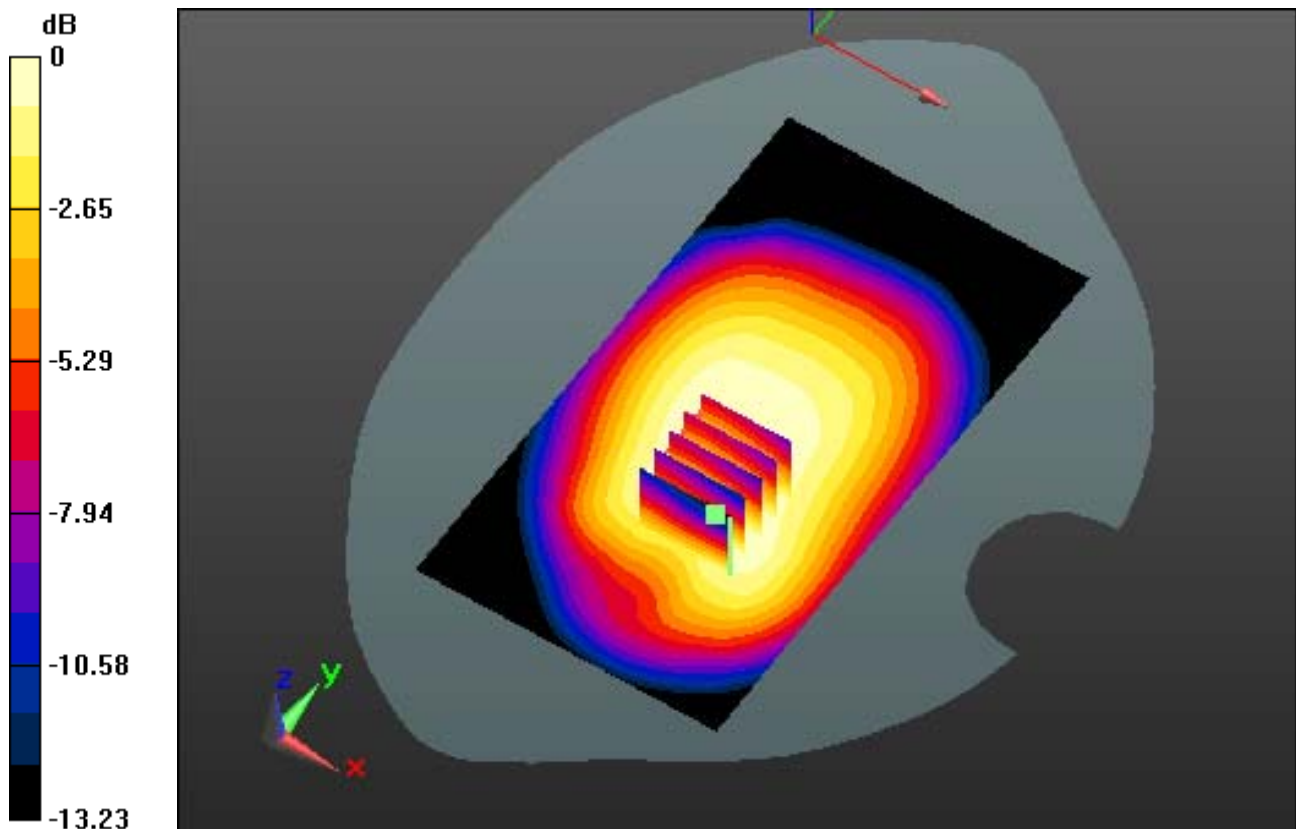
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.321 mW/g

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.172 mW/g**



0 dB = 0.277 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

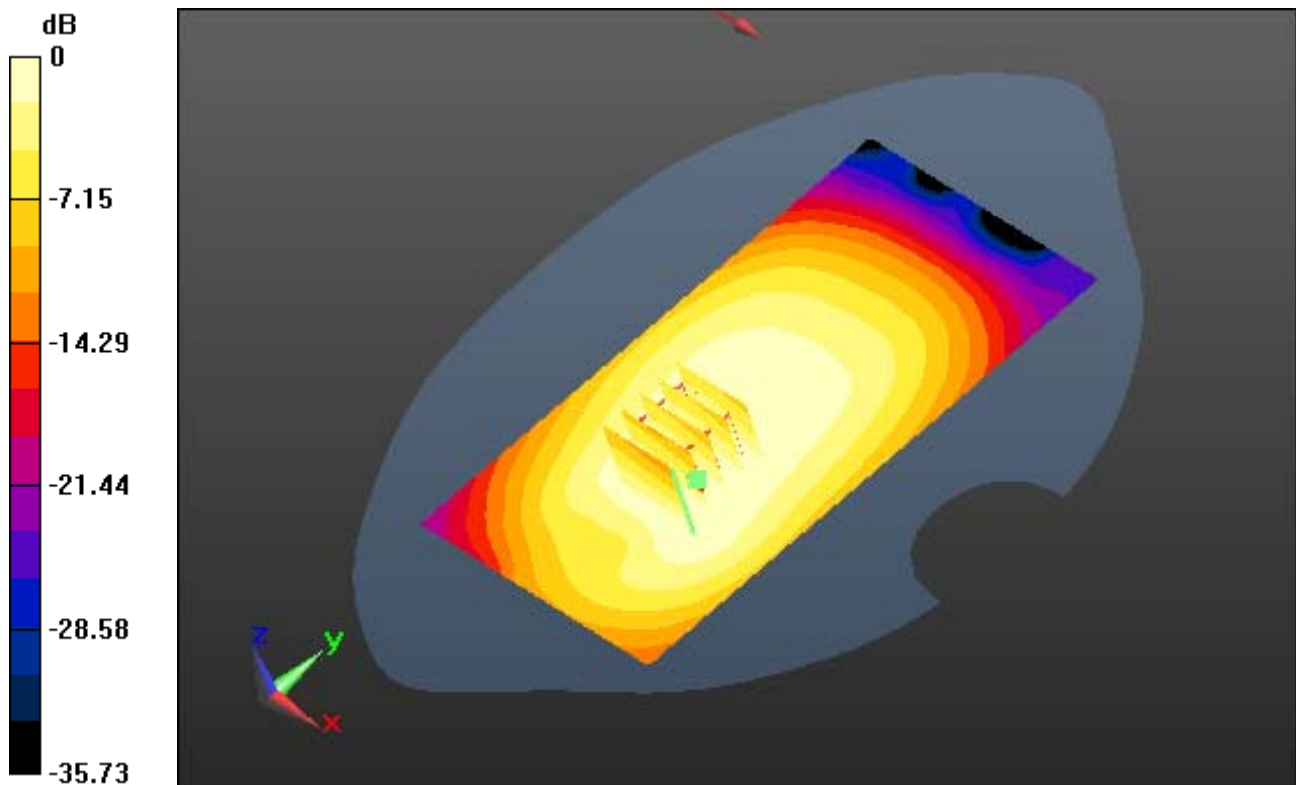
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.574 mW/g

**SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.319 mW/g**



0 dB = 0.502 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

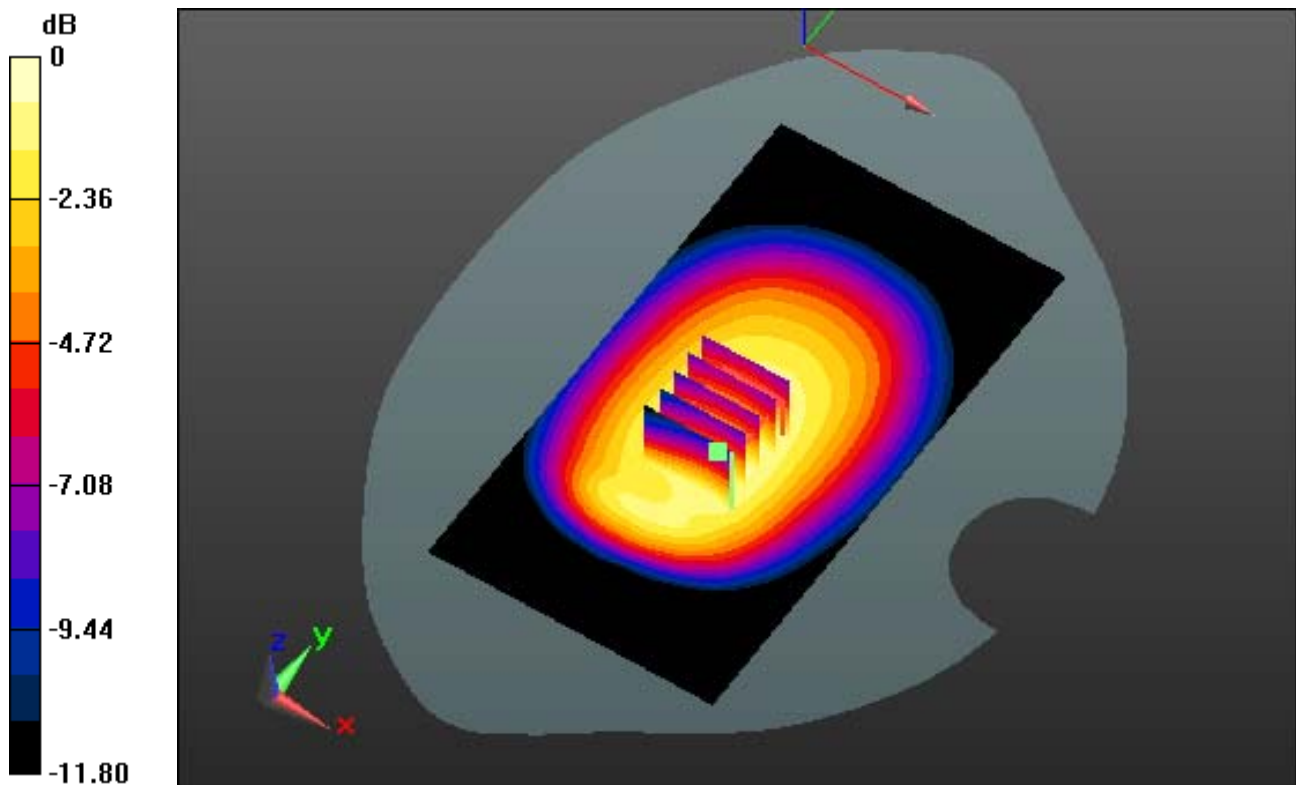
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.022 mW/g

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.435 mW/g



0 dB = 0.723 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

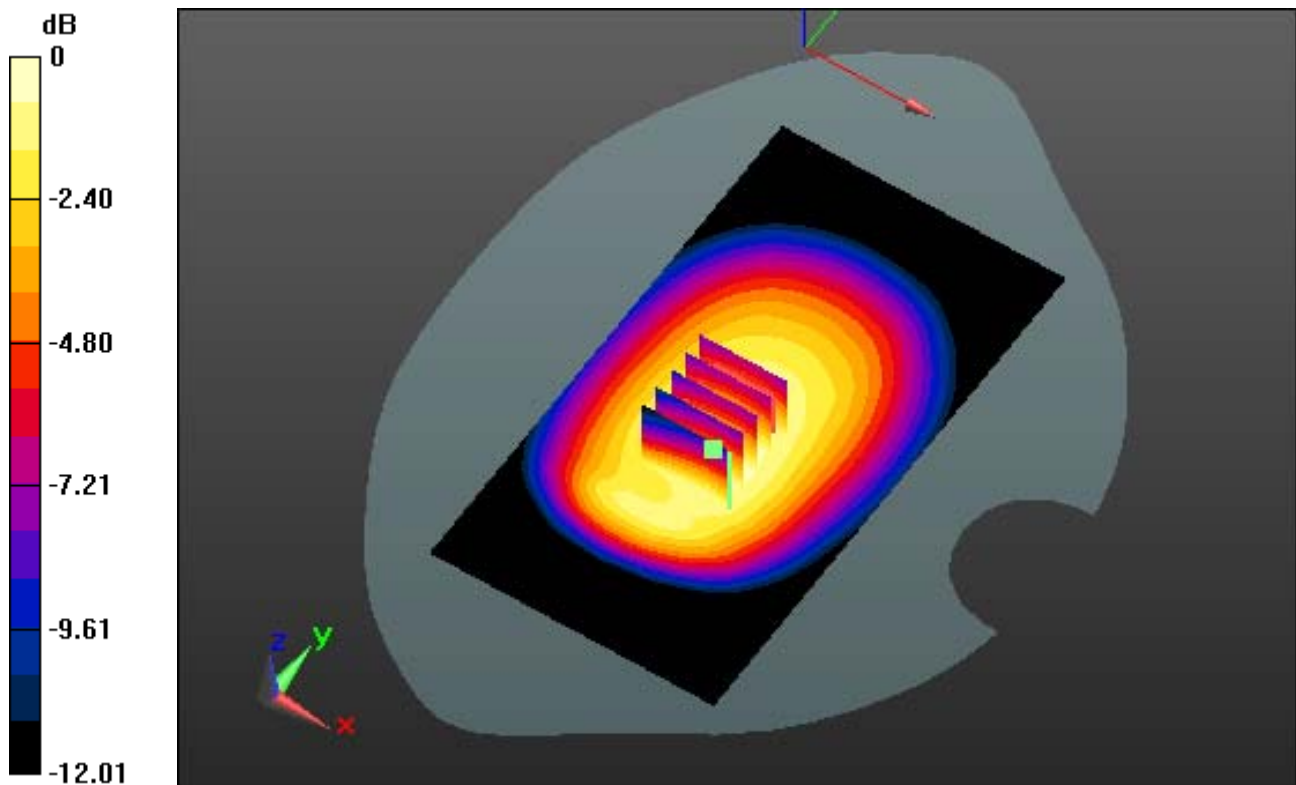
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.804 mW/g

**SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.446 mW/g**



0 dB = 0.716 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_10 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

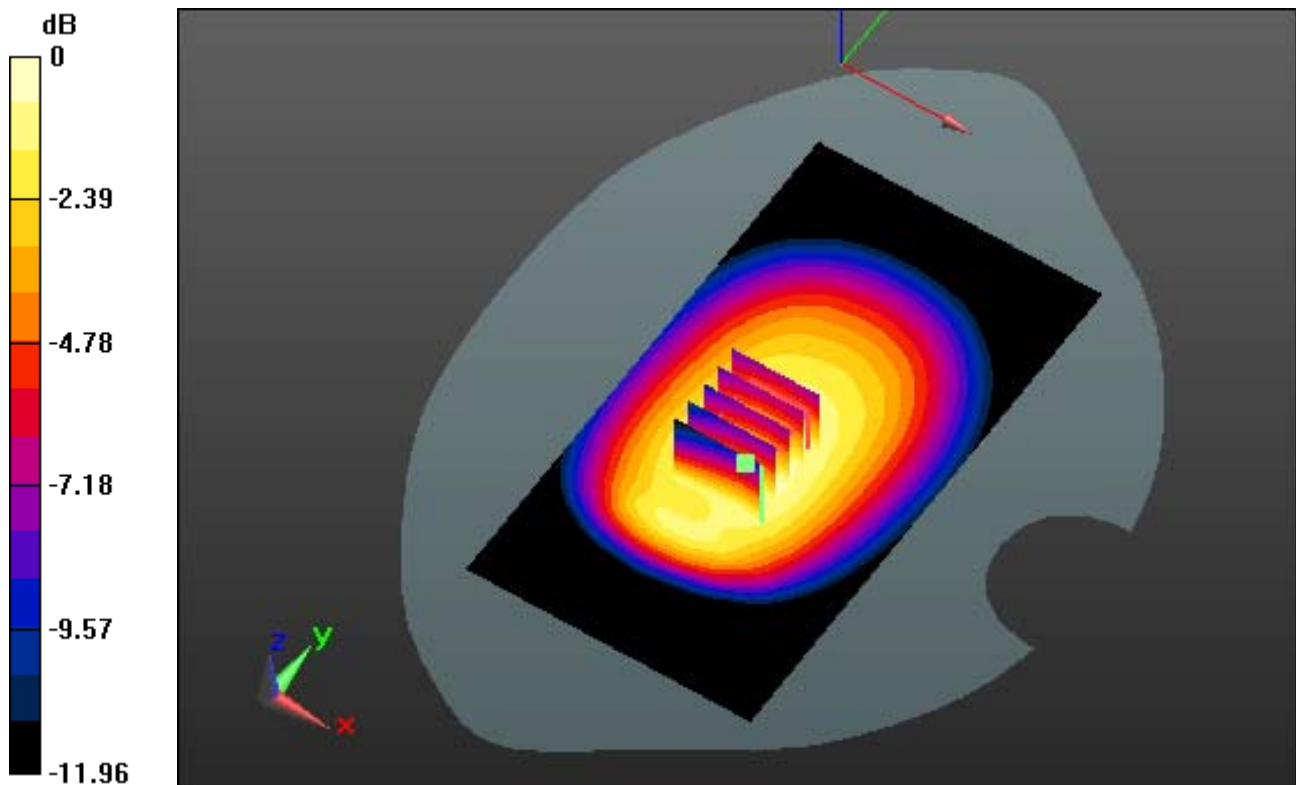
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.342 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.738 mW/g**



0 dB = 1.20 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

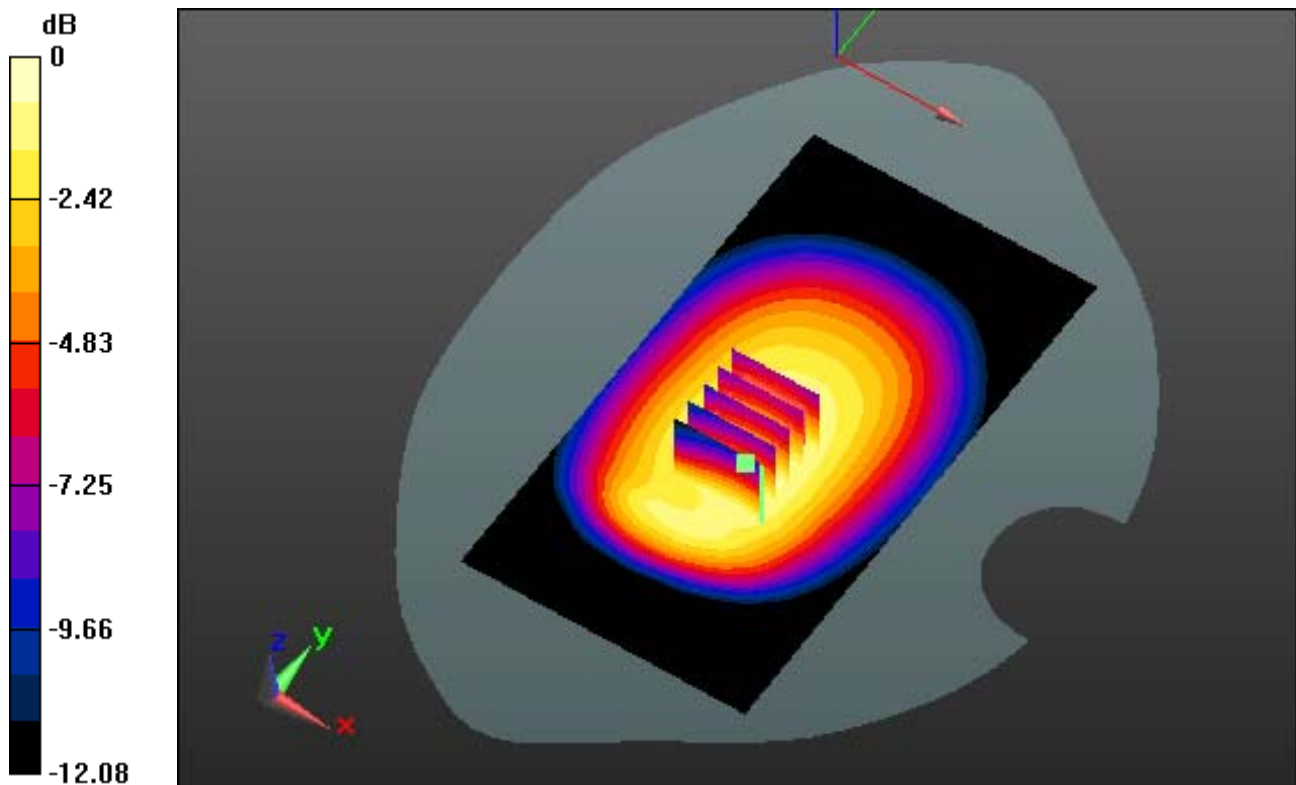
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.278 mW/g

**SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.704 mW/g**



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_10 (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53.464$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

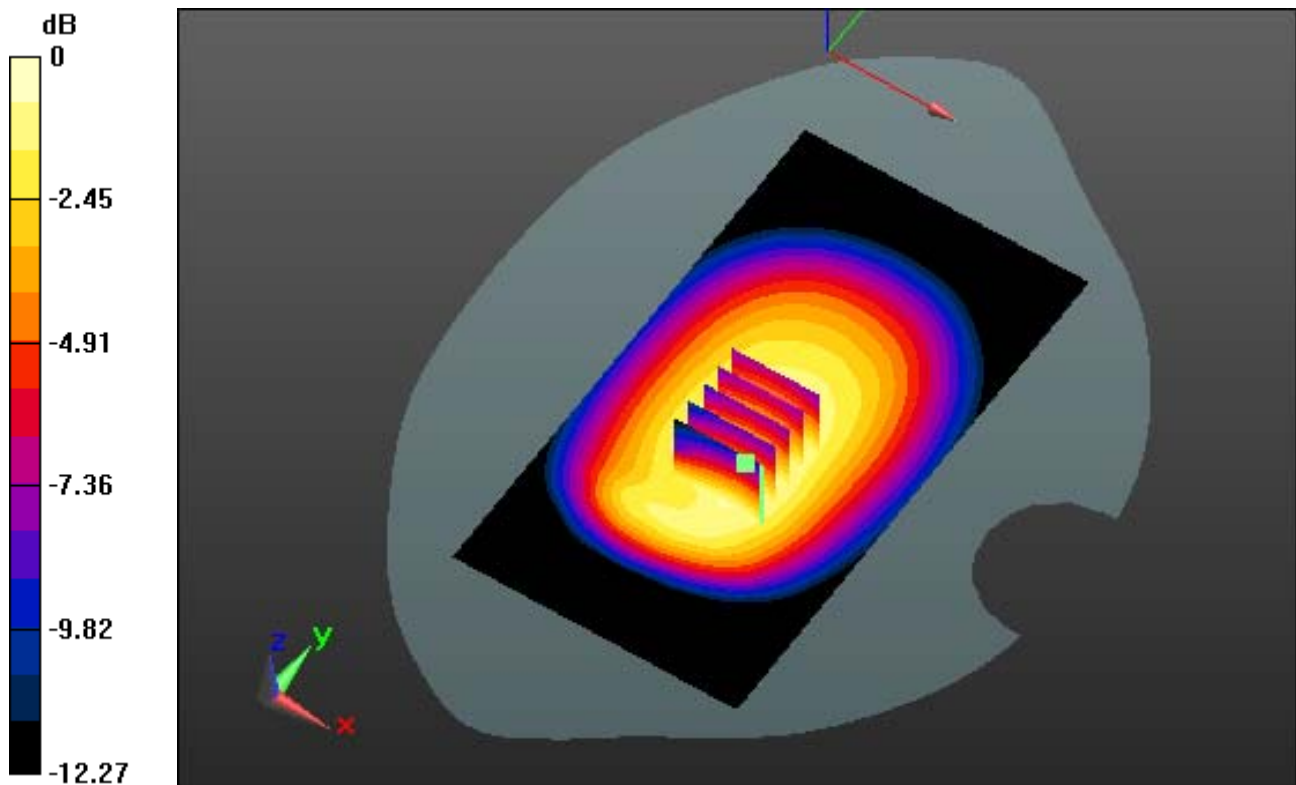
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.077 mW/g

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.589 mW/g**



0 dB = 0.957 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_11 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

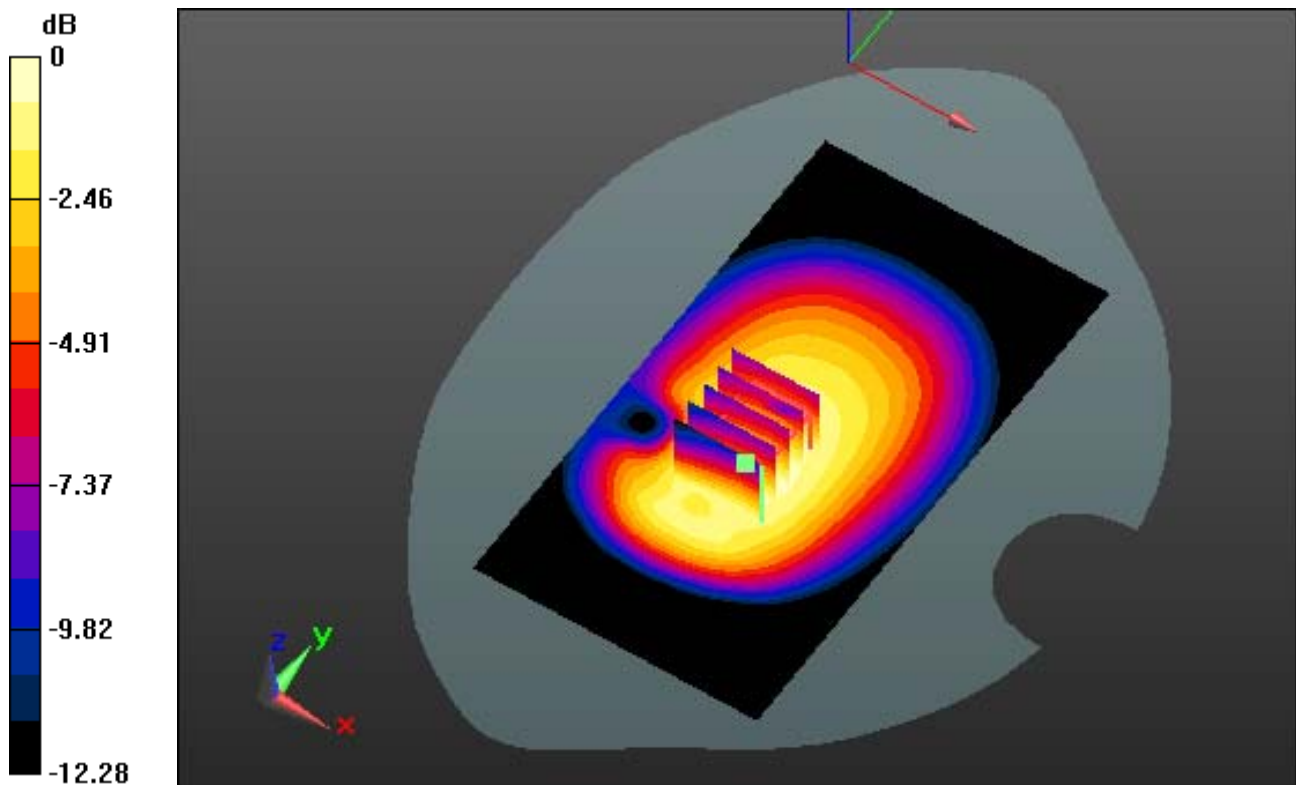
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.322 mW/g

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.730 mW/g**



0 dB = 1.18 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

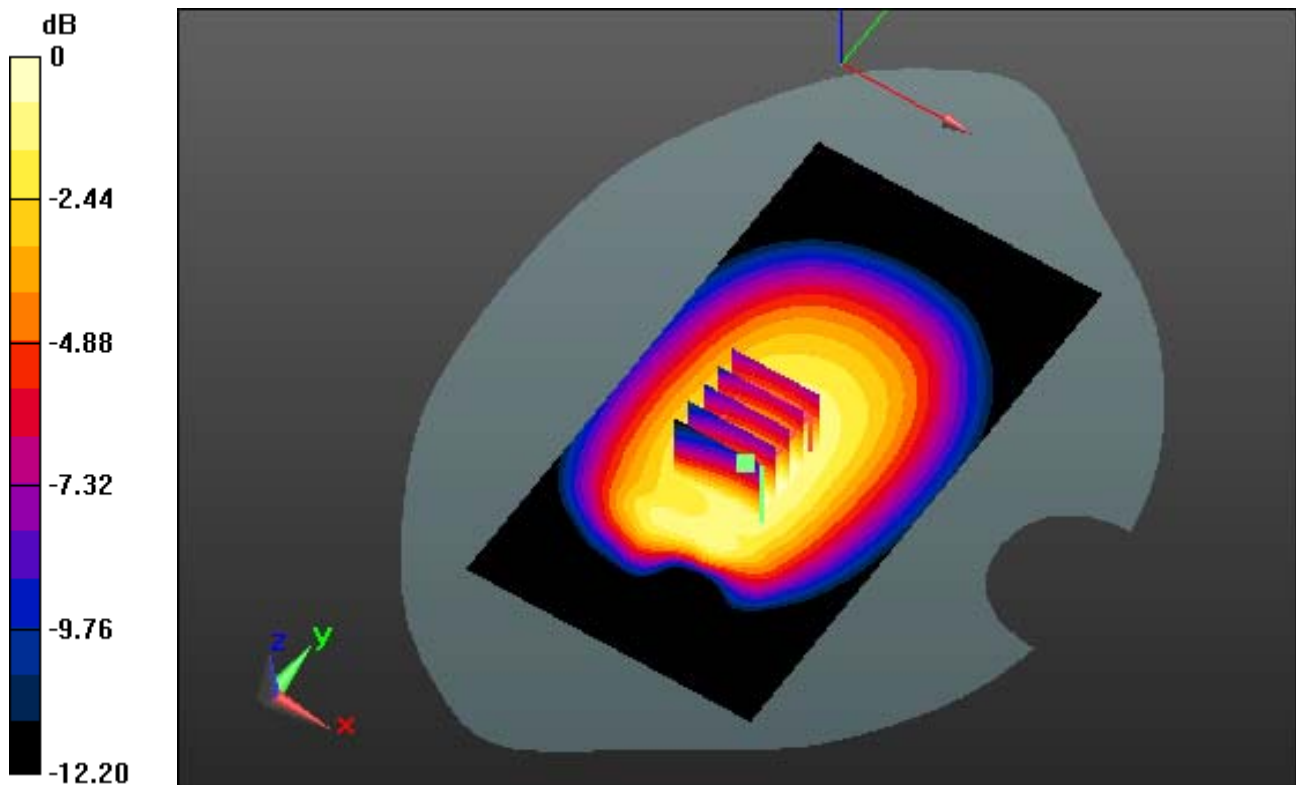
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.152 mW/g

**SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.632 mW/g**



0 dB = 1.03 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_11 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53.464$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

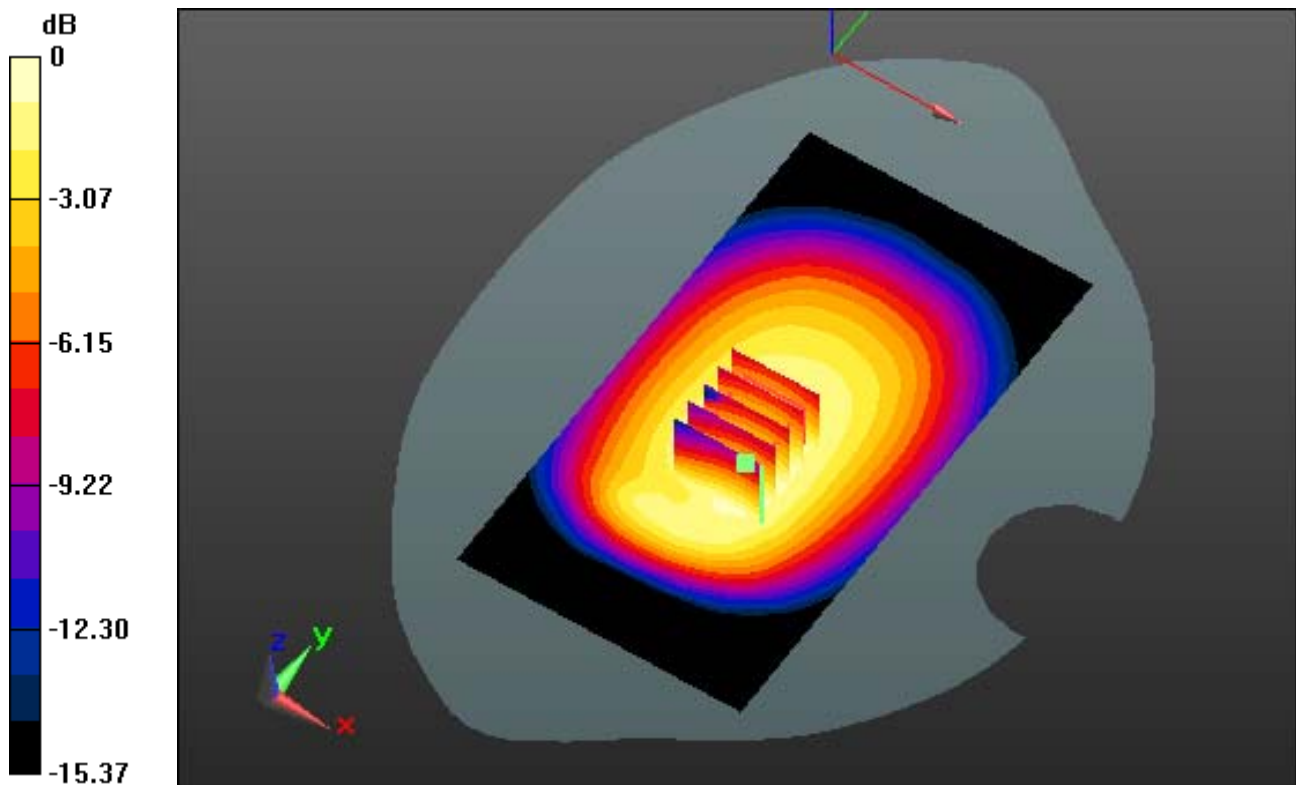
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.982 mW/g

**SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.540 mW/g**



0 dB = 0.871 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

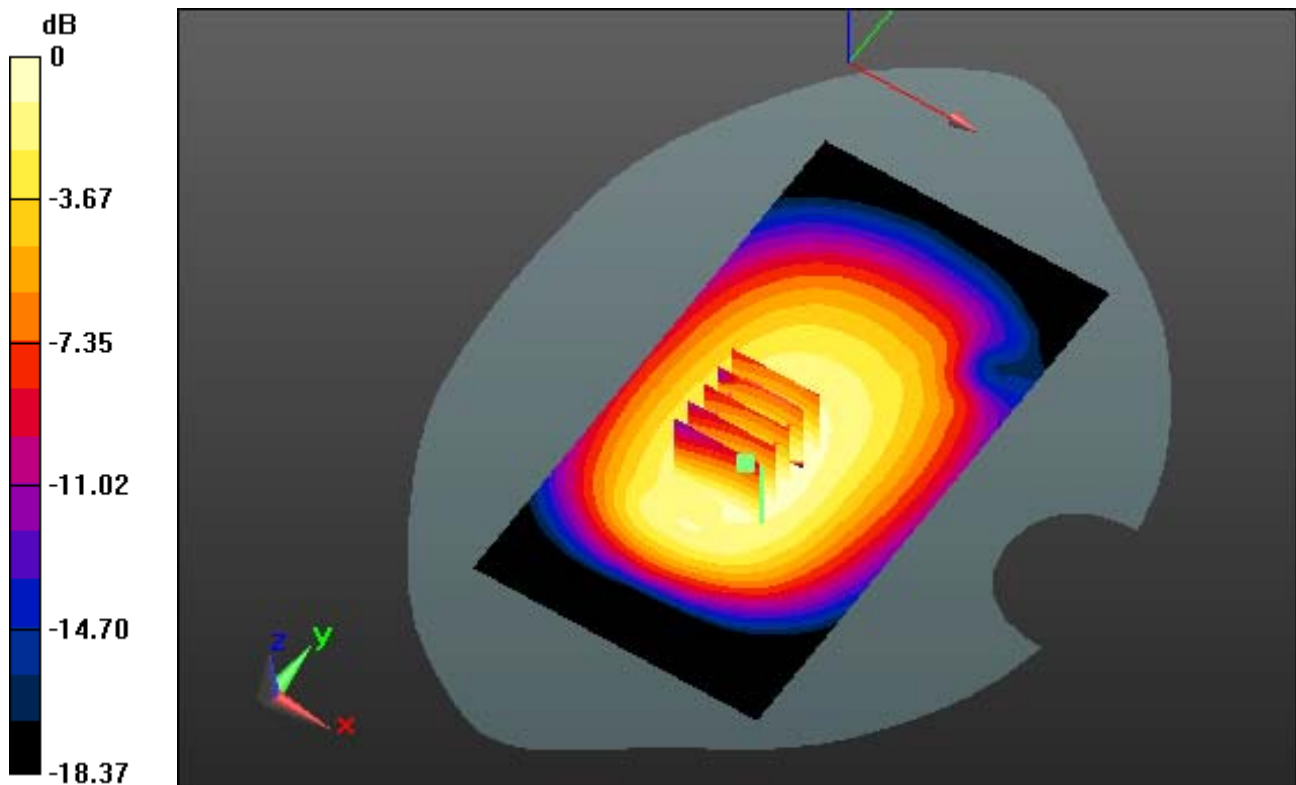
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.527 mW/g

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.759 mW/g**



0 dB = 1.26 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

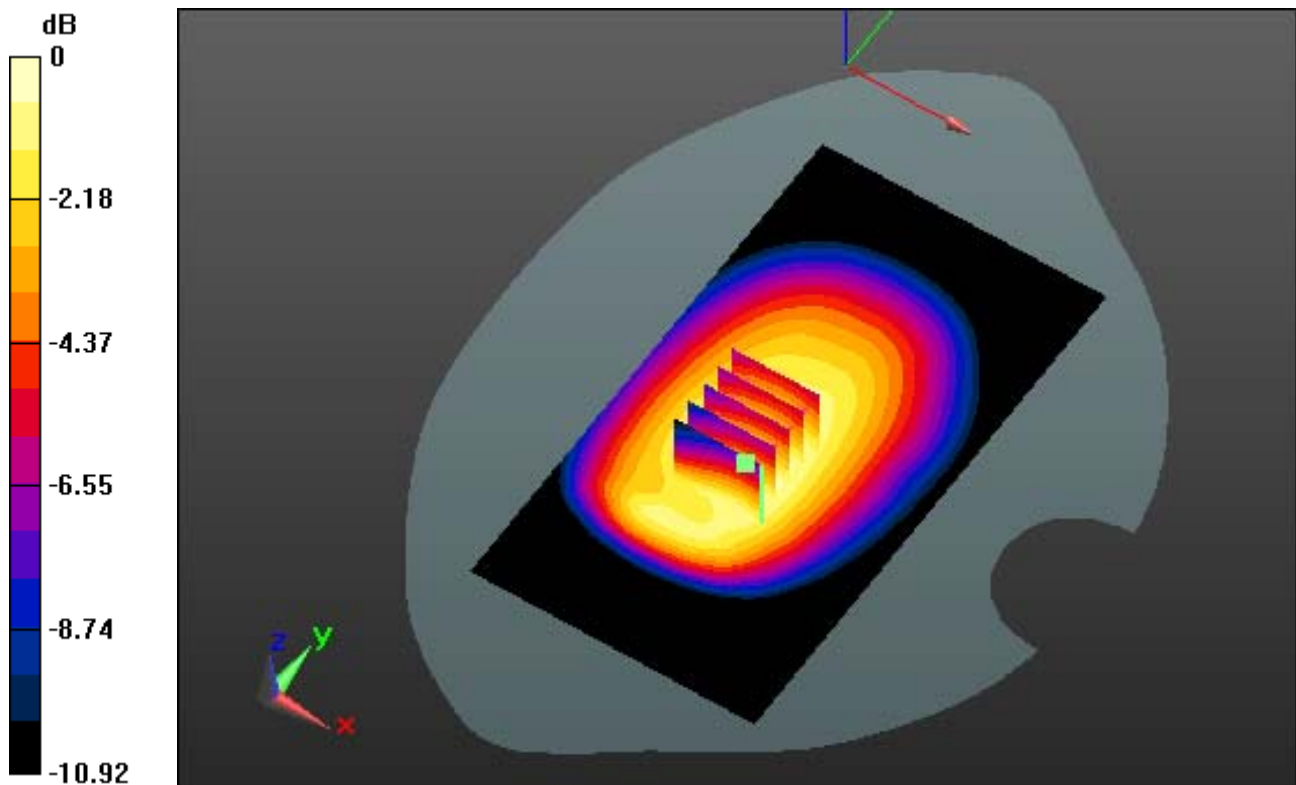
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.249 mW/g

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.768 mW/g**



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 53.464$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

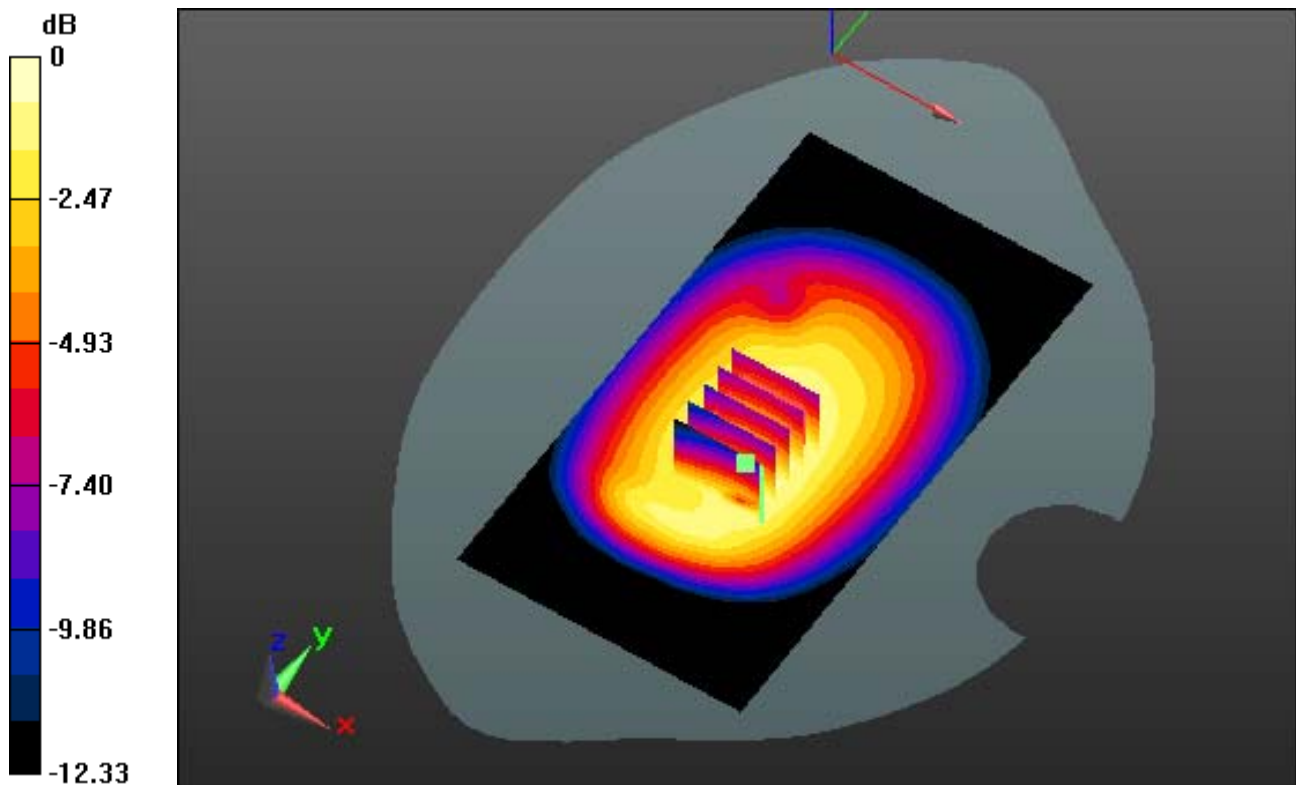
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.199 mW/g

**SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.550 mW/g**



0 dB = 0.889 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

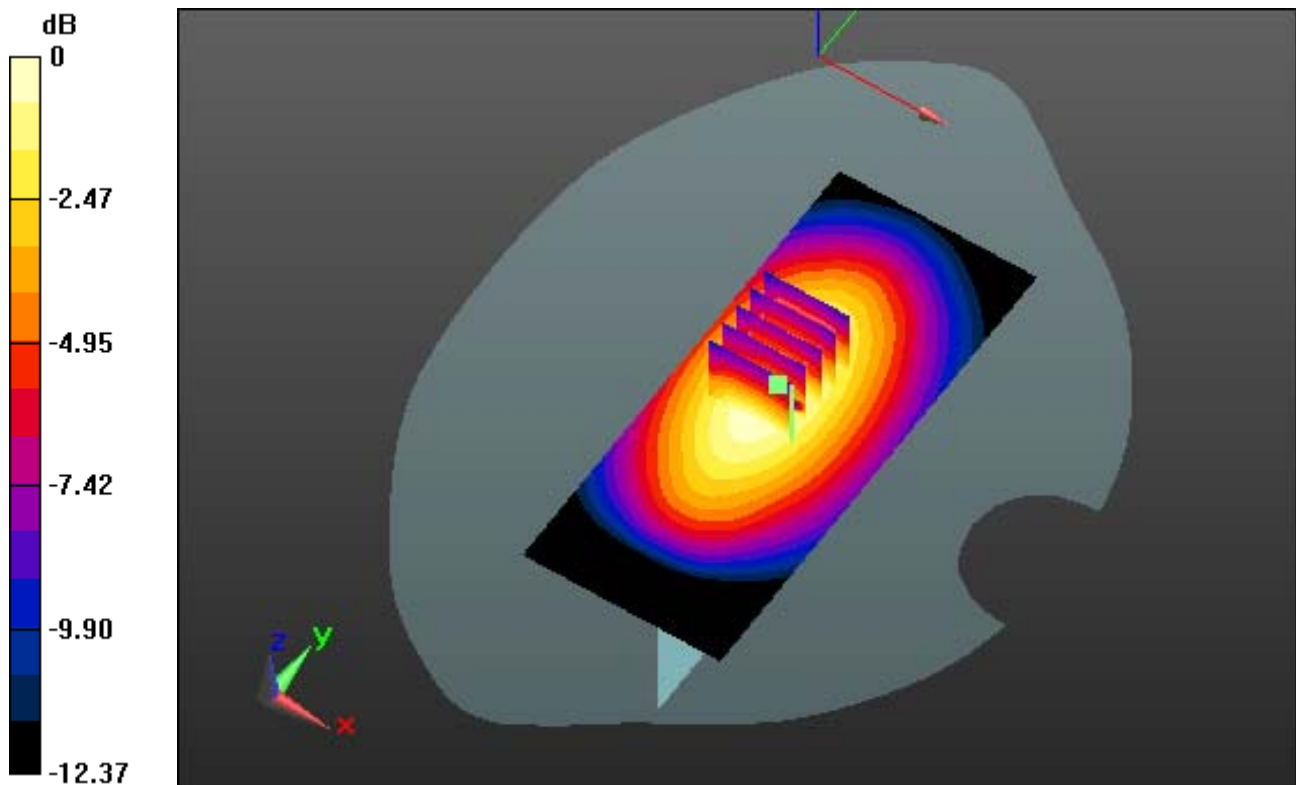
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.740 mW/g

**SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.309 mW/g**



0 dB = 0.541 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 53.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

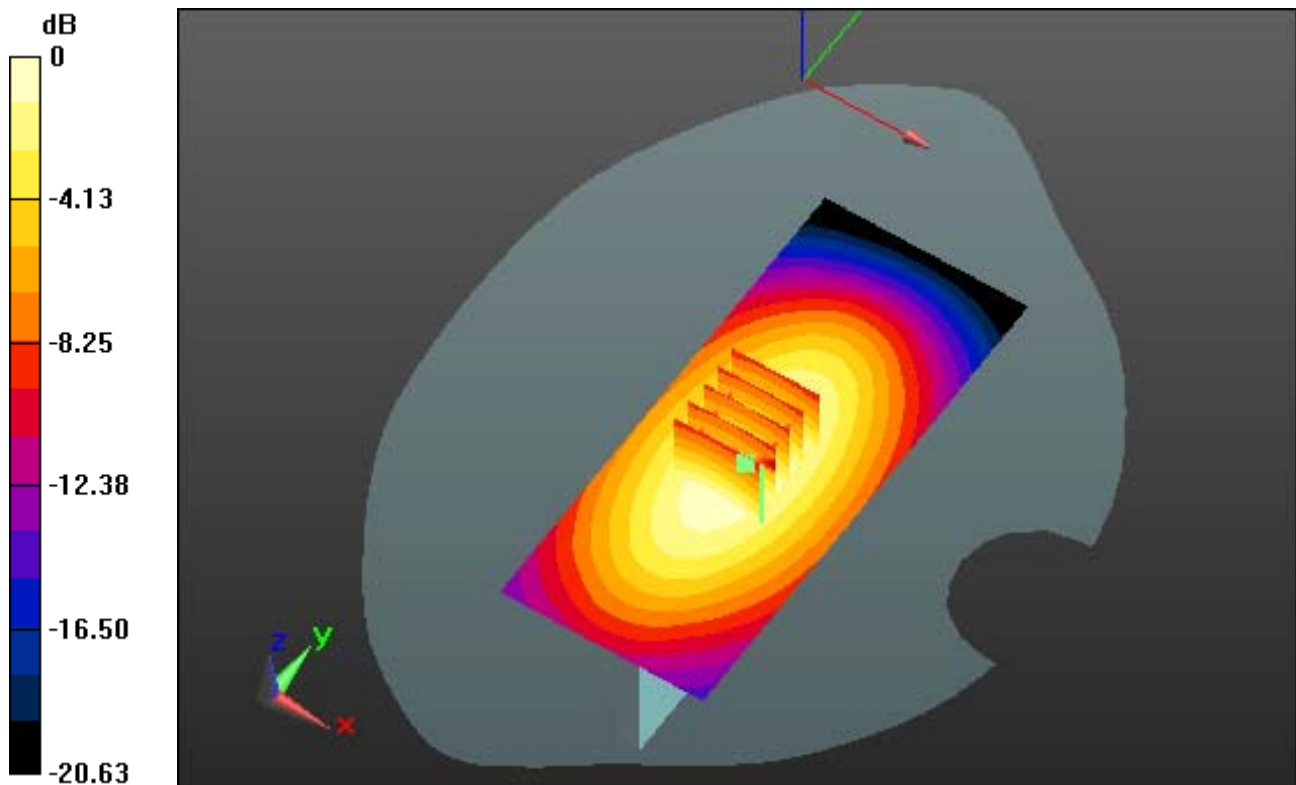
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.776 mW/g

**SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.396 mW/g**



0 dB = 0.696 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

## **SAR Variability Result**

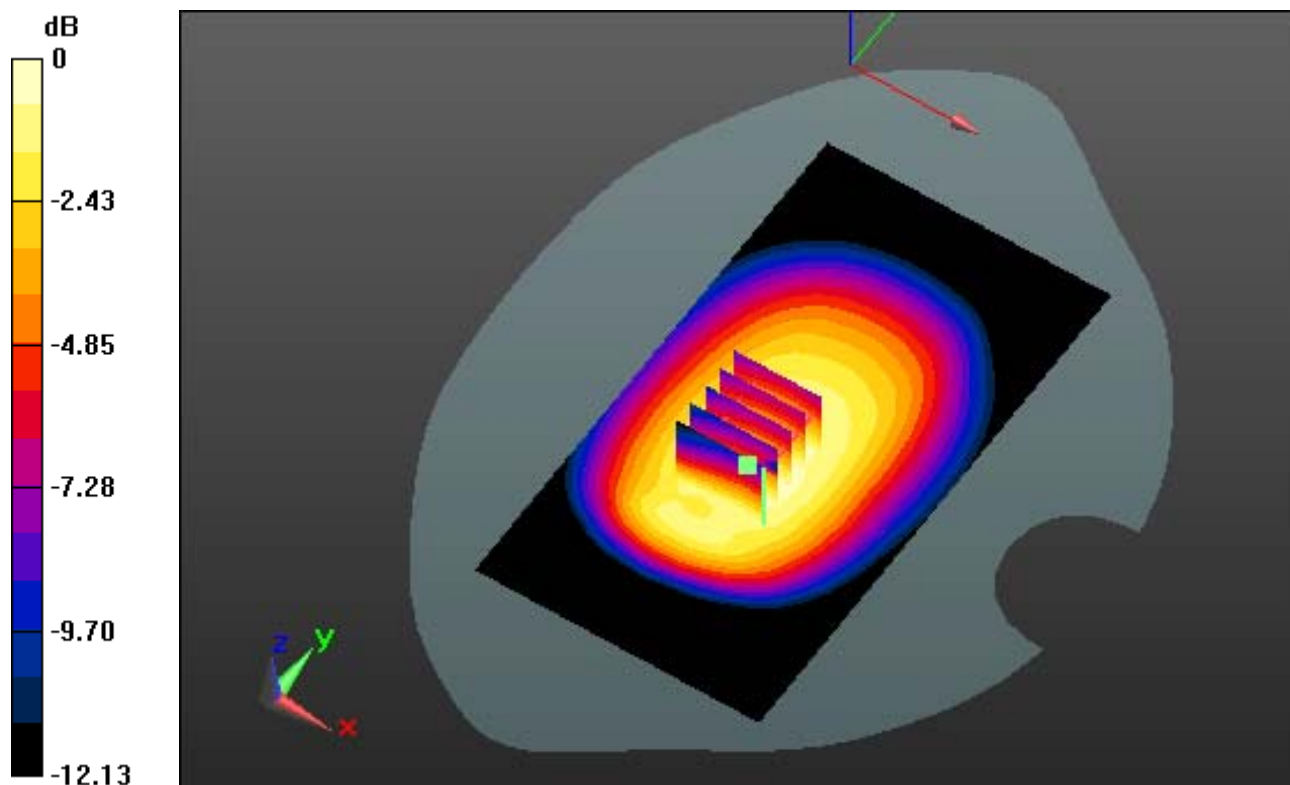
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.427 mW/g

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.788 mW/g**



0 dB = 1.27 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: GSM 850\_12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-05; Ambient Temp: 22.1; Tissue Temp: 22.4

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

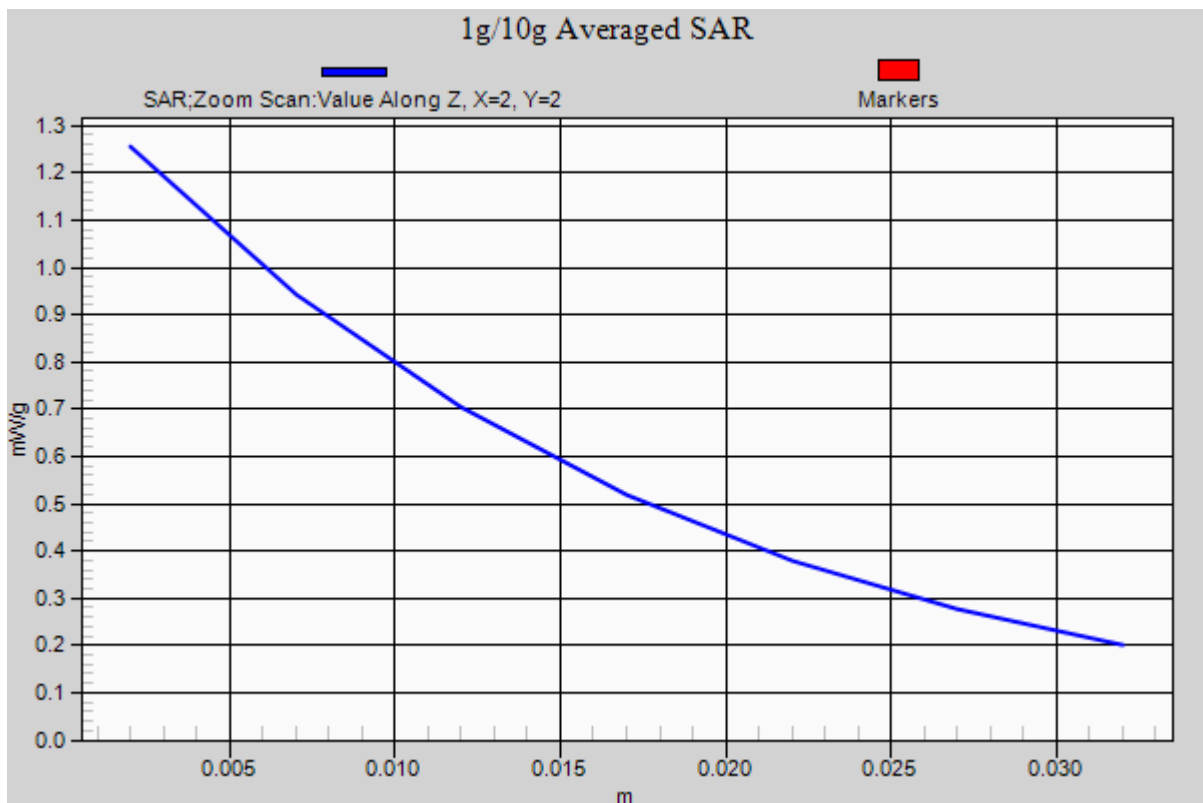
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.527 mW/g

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.759 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

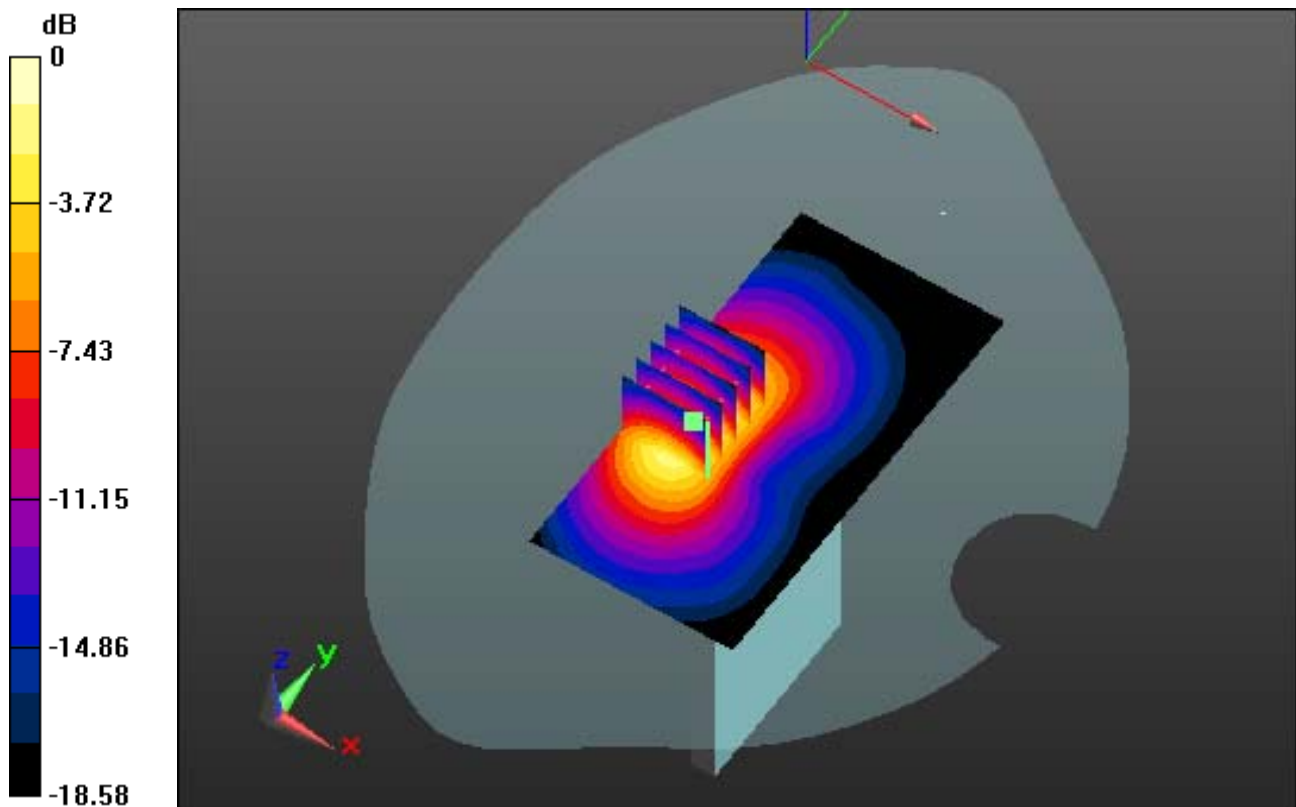
**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.052 mW/g

**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.323 mW/g**



0 dB = 0.846 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

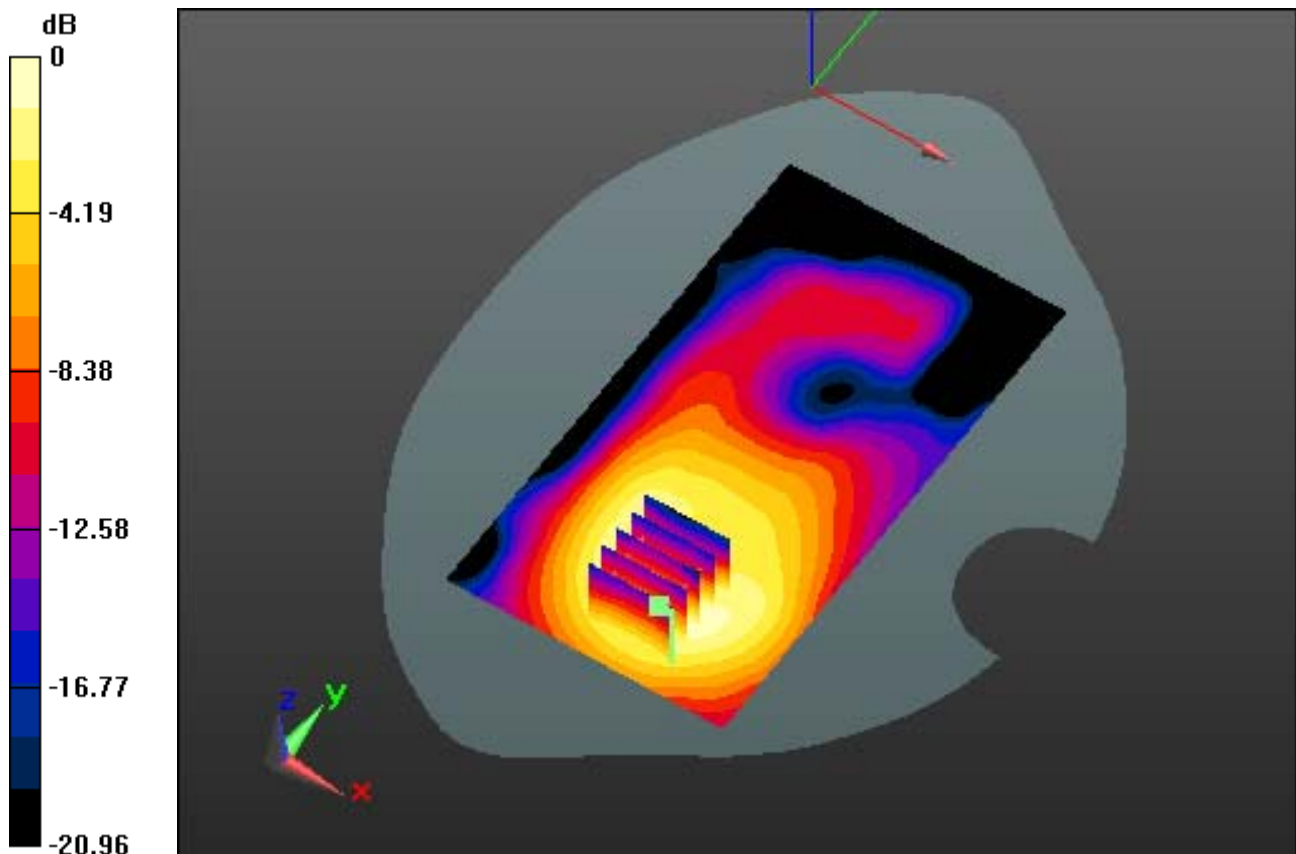
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.255 mW/g

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.085 mW/g**



0 dB = 0.206 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

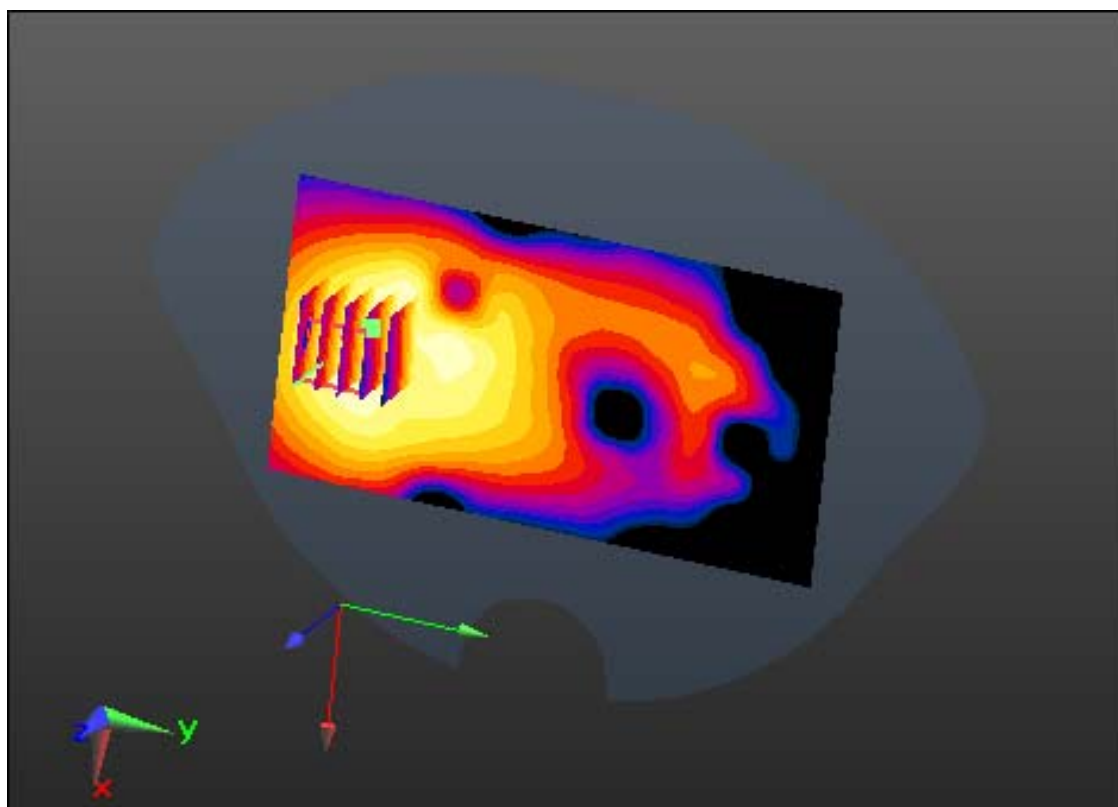
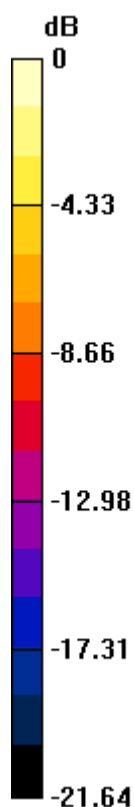
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.792 mW/g

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.103 mW/g**



0 dB = 0.238 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

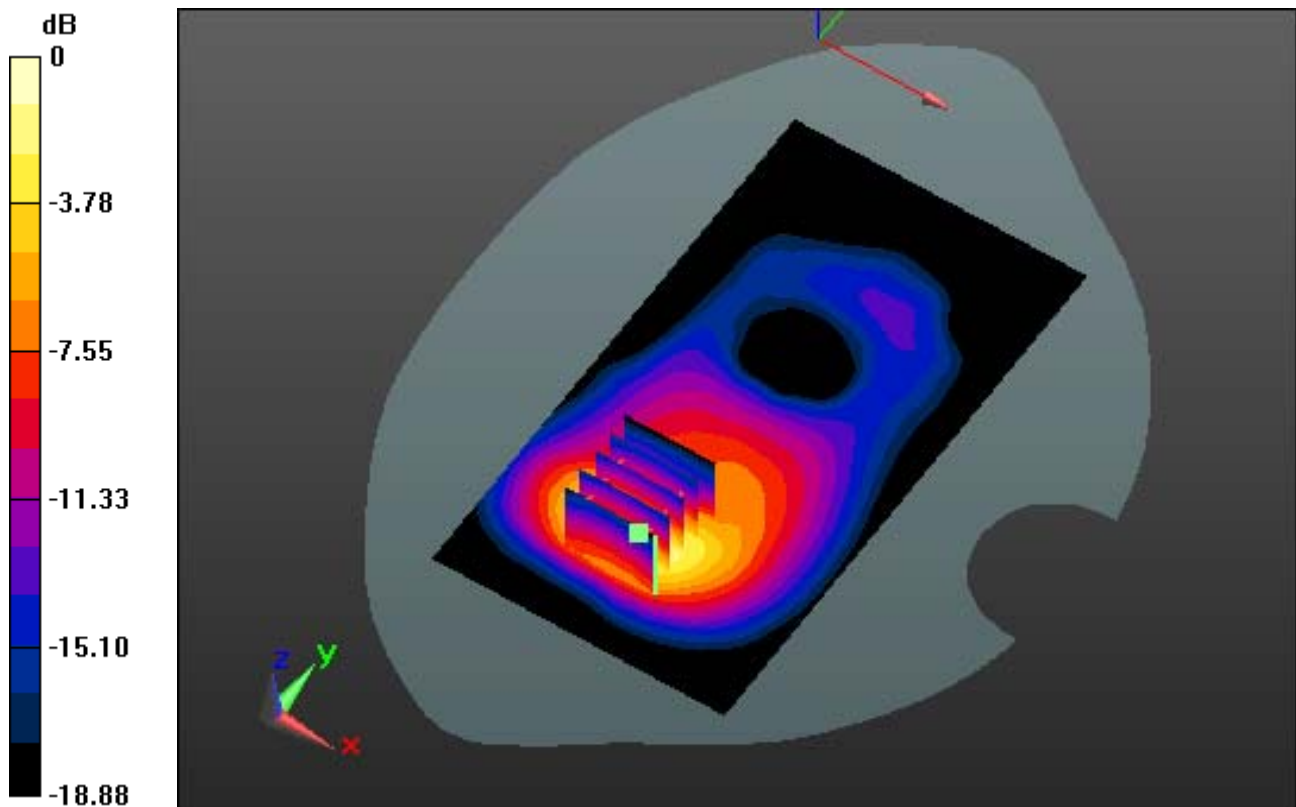
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.788 mW/g

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.223 mW/g**



0 dB = 0.625 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

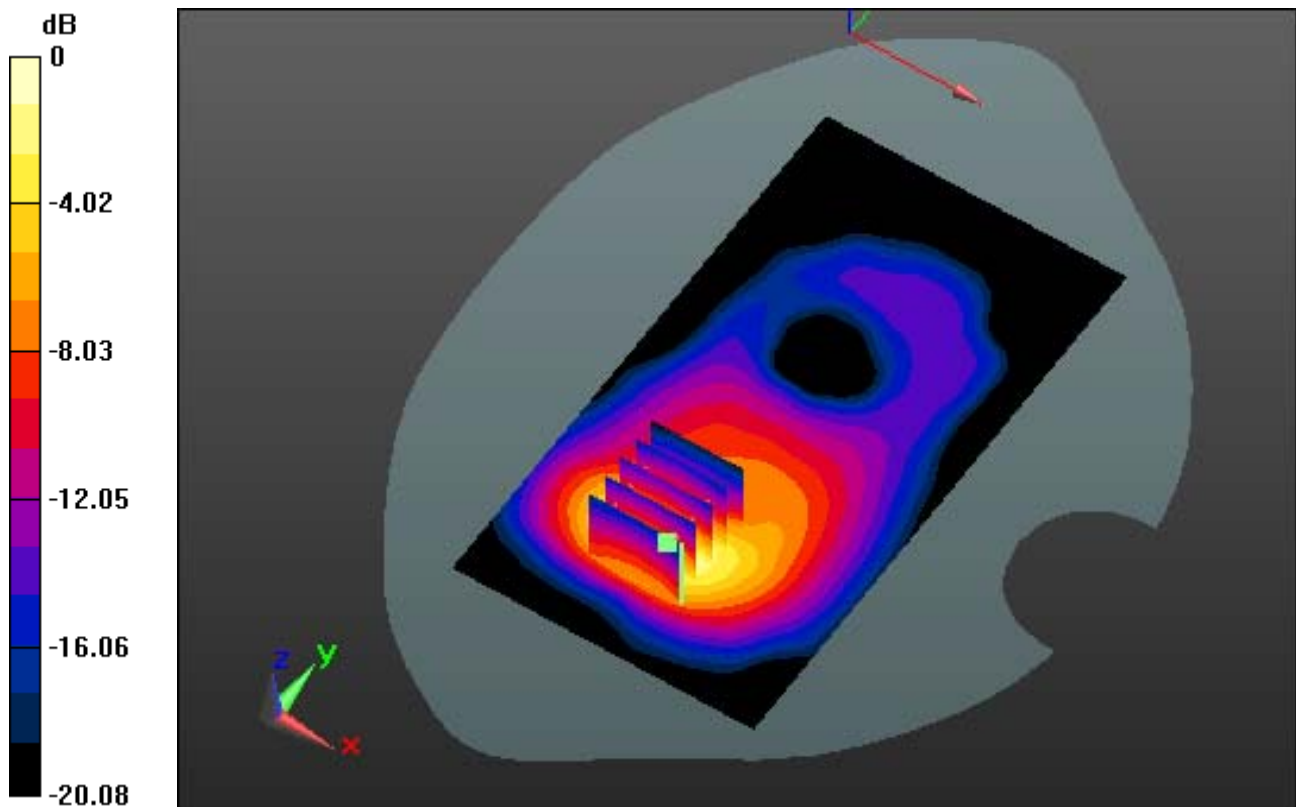
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.794 mW/g

**SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.224 mW/g**



0 dB = 0.626 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 10 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r = 55.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal**

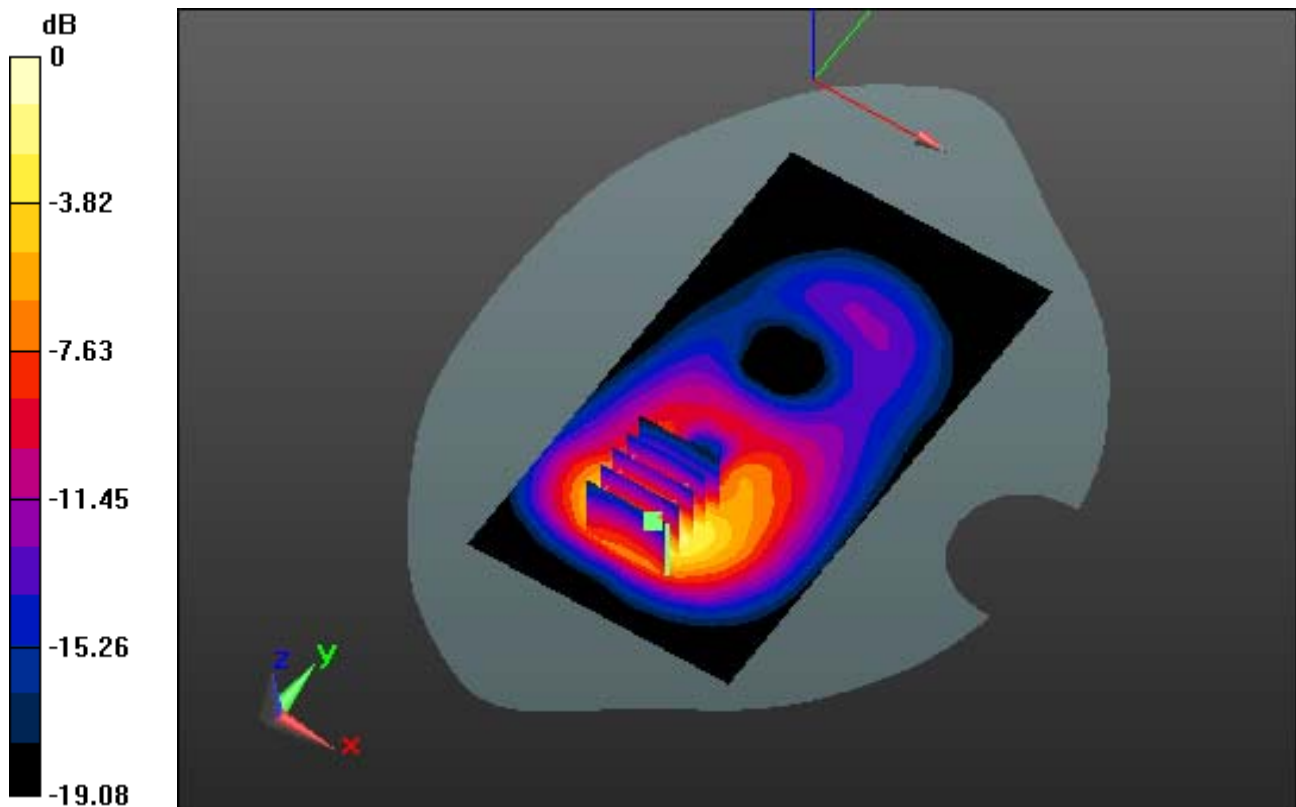
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.127 mW/g

**SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.320 mW/g**



0 dB = 0.892 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

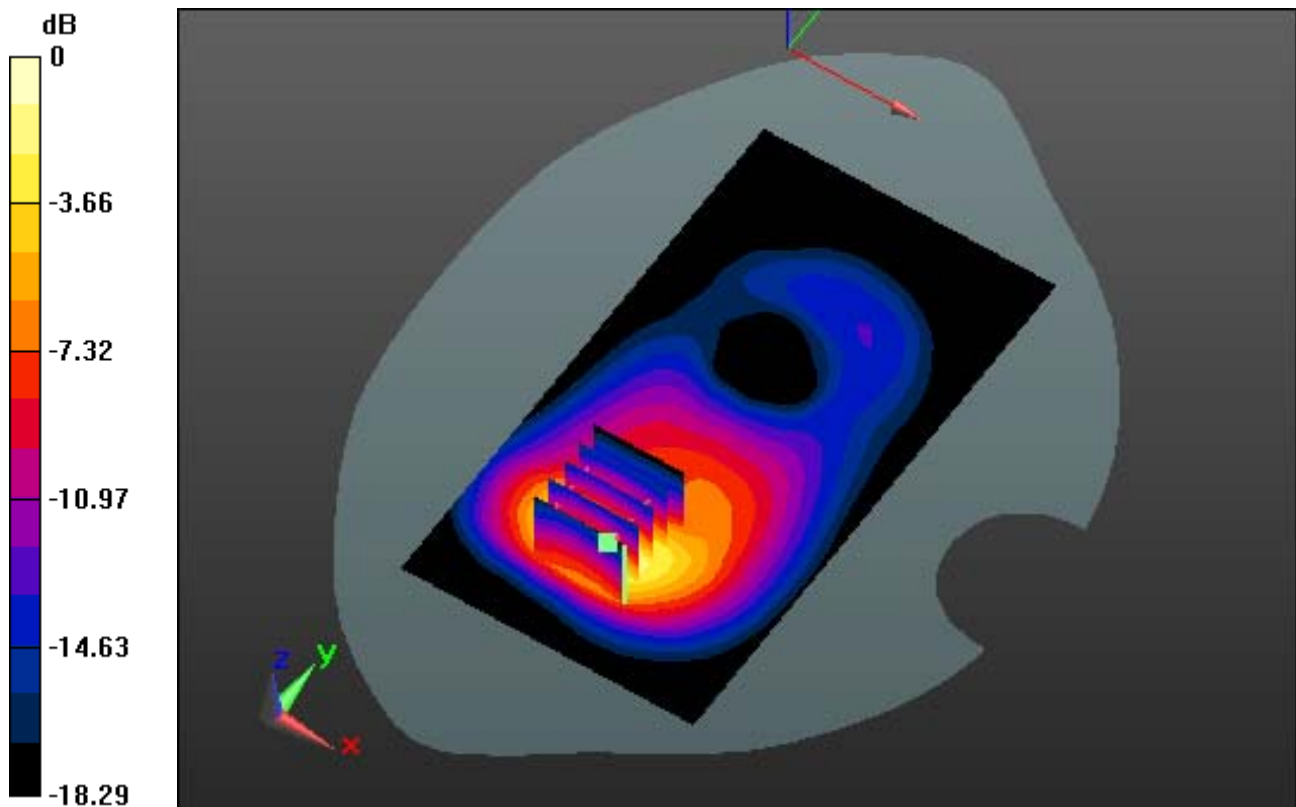
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.419 mW/g

**SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.401 mW/g**



0 dB = 1.11 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 10 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal**

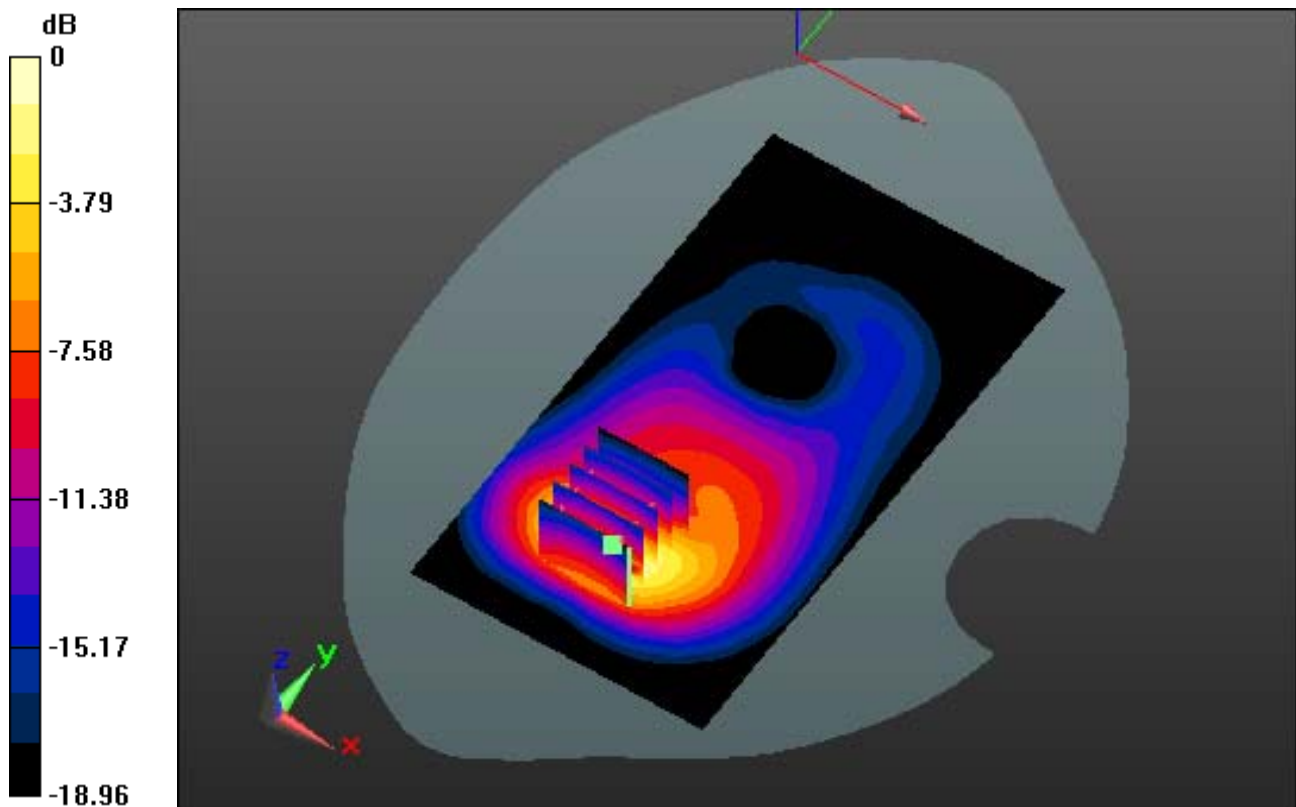
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.265 mW/g

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.547 mW/g**



0 dB = 1.60 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r = 55.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

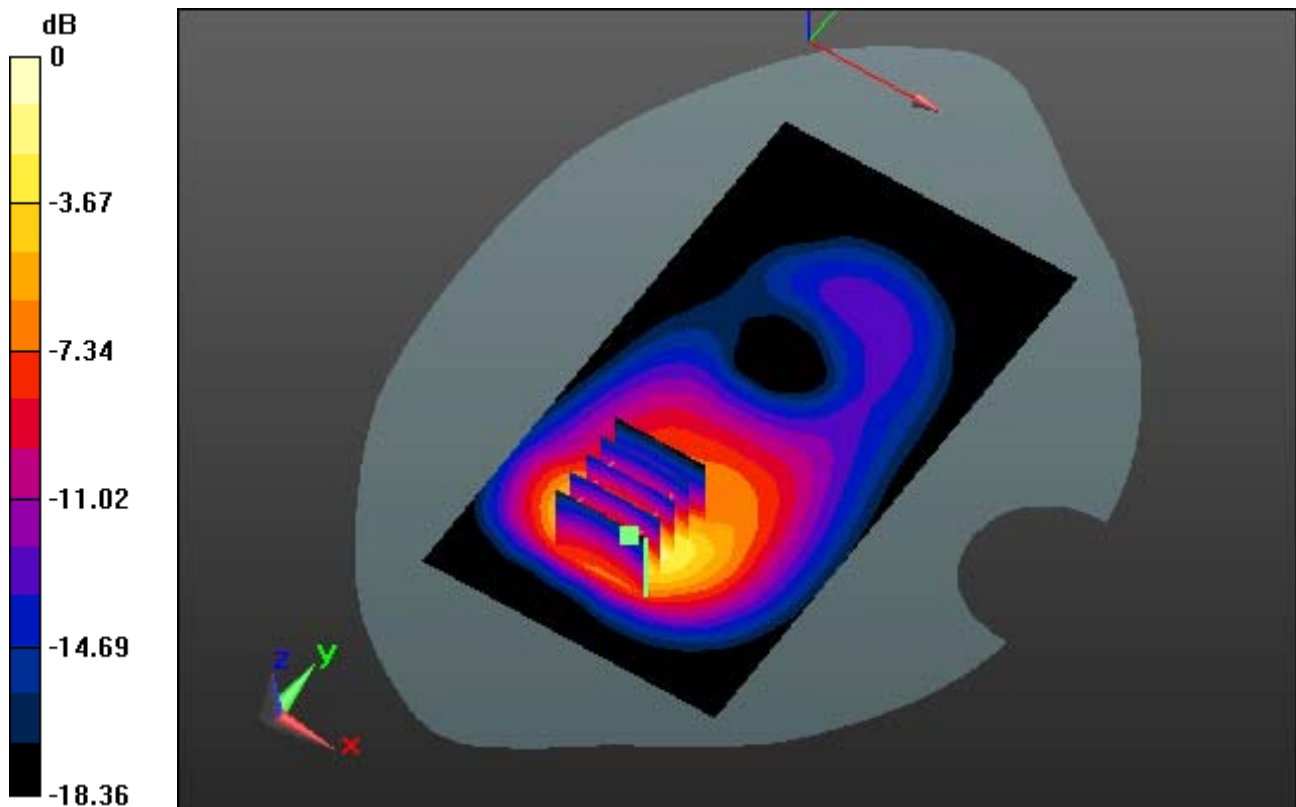
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.268 mW/g

**SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.363 mW/g**



0 dB = 1.03 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

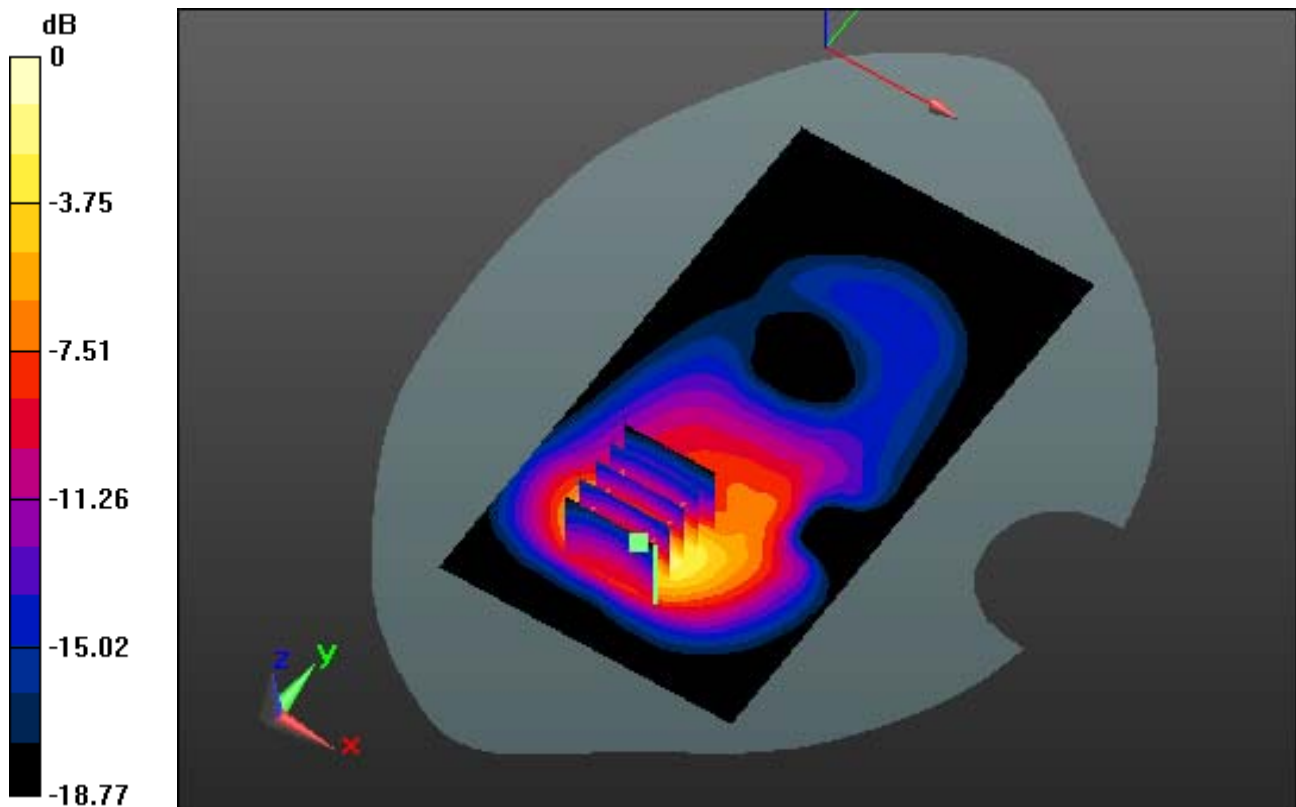
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.919 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.525 mW/g**



0 dB = 1.54 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 11 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

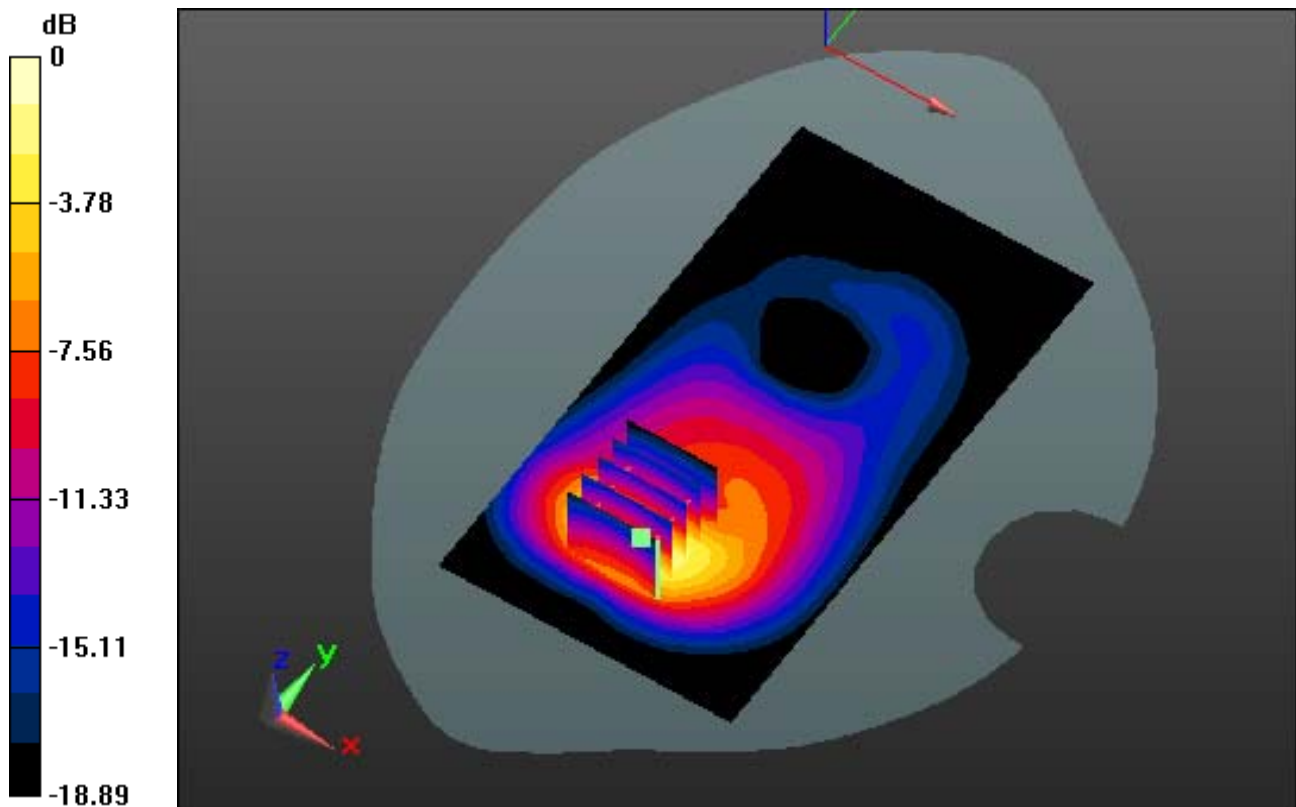
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.267 mW/g

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.570 mW/g**



0 dB = 1.65 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r = 55.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

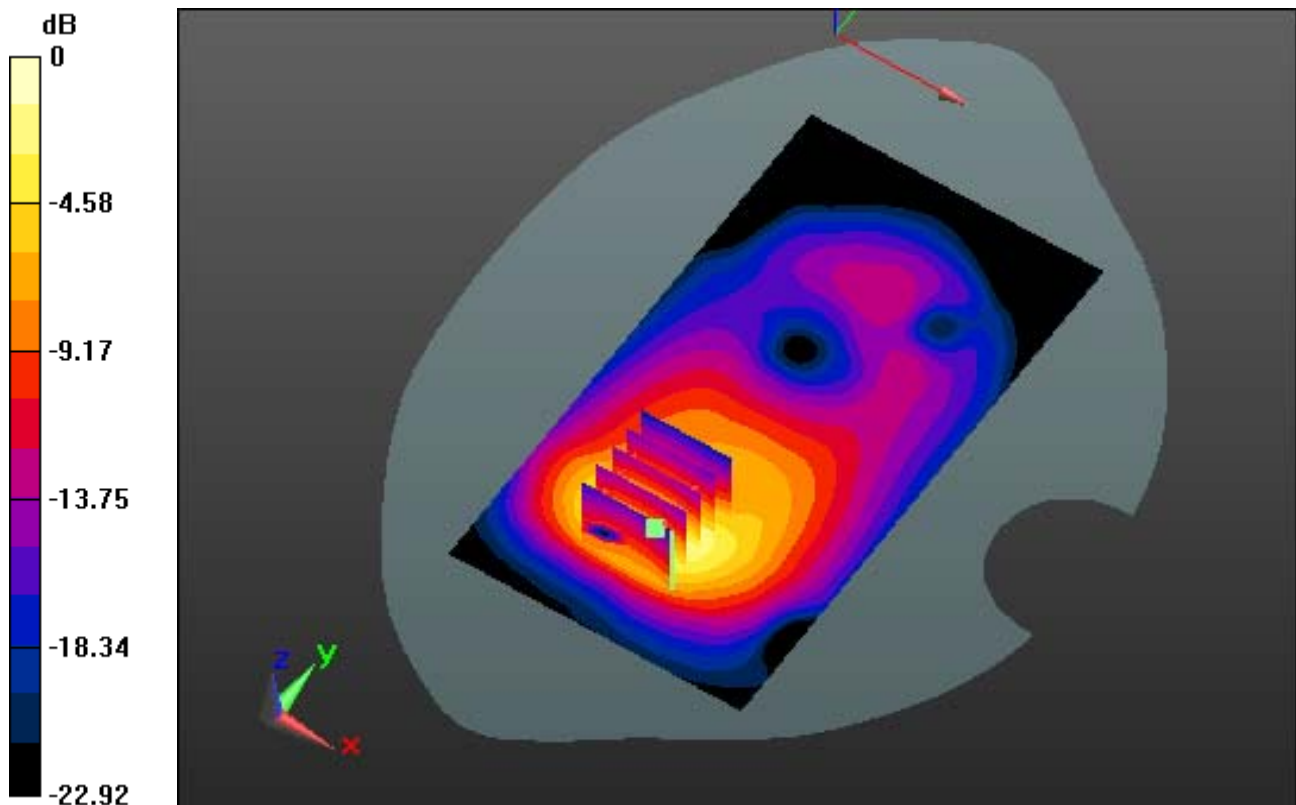
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.413 mW/g

**SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.411 mW/g**



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

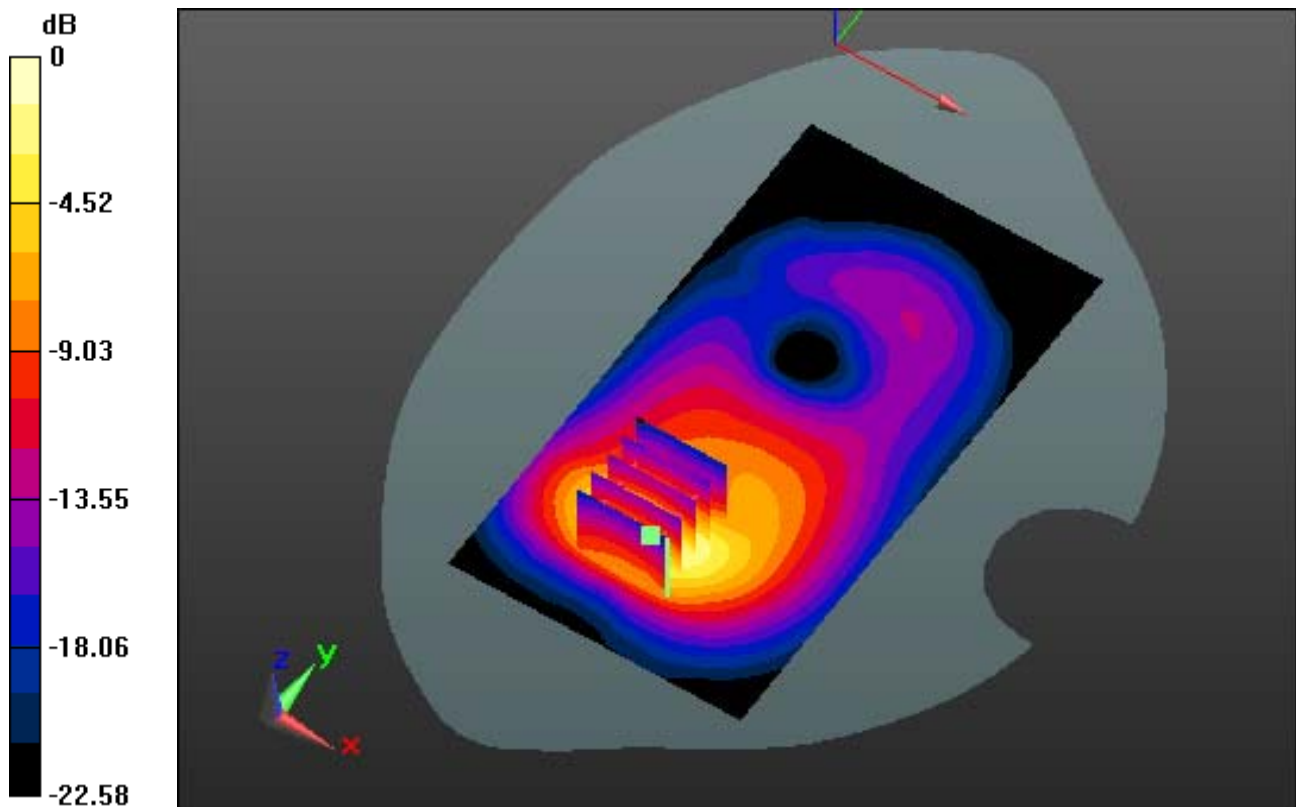
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.943 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.540 mW/g**



0 dB = 1.56 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

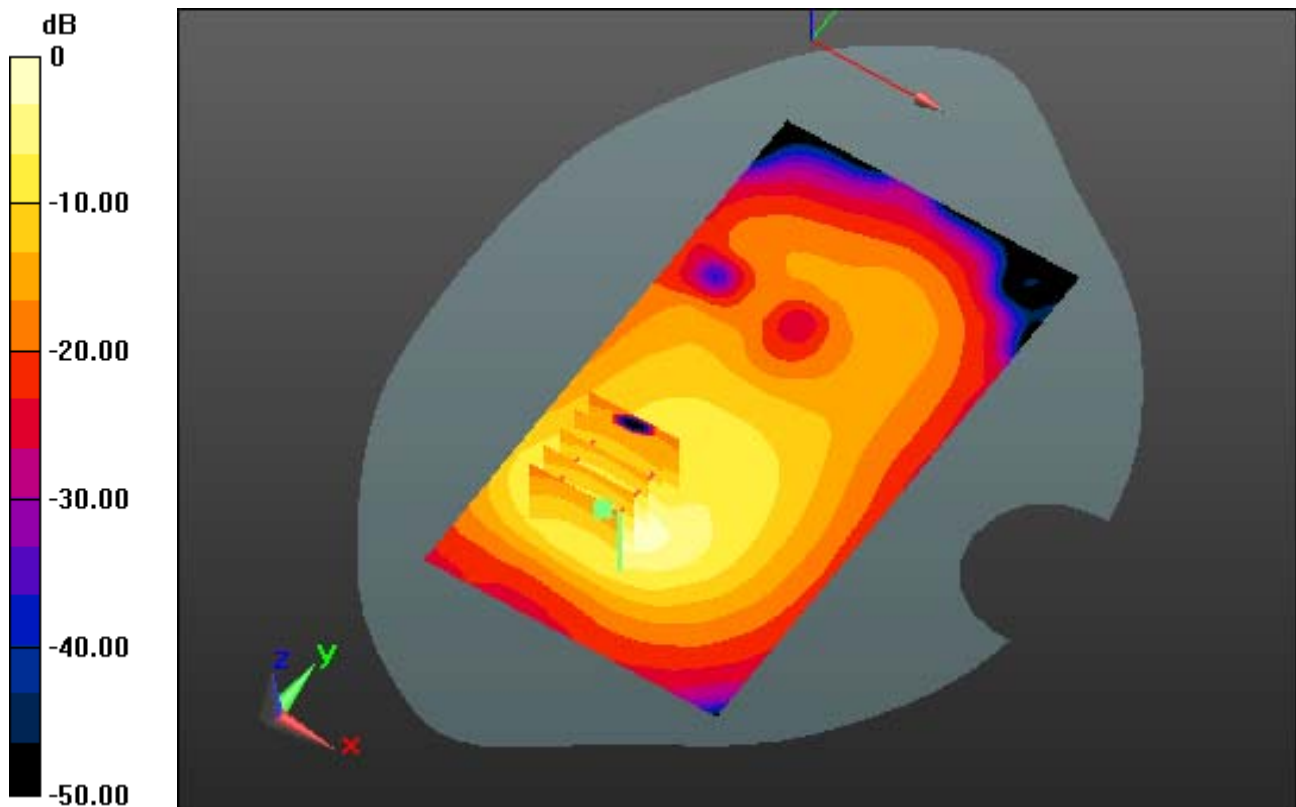
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.196 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.595 mW/g**



0 dB = 1.74 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

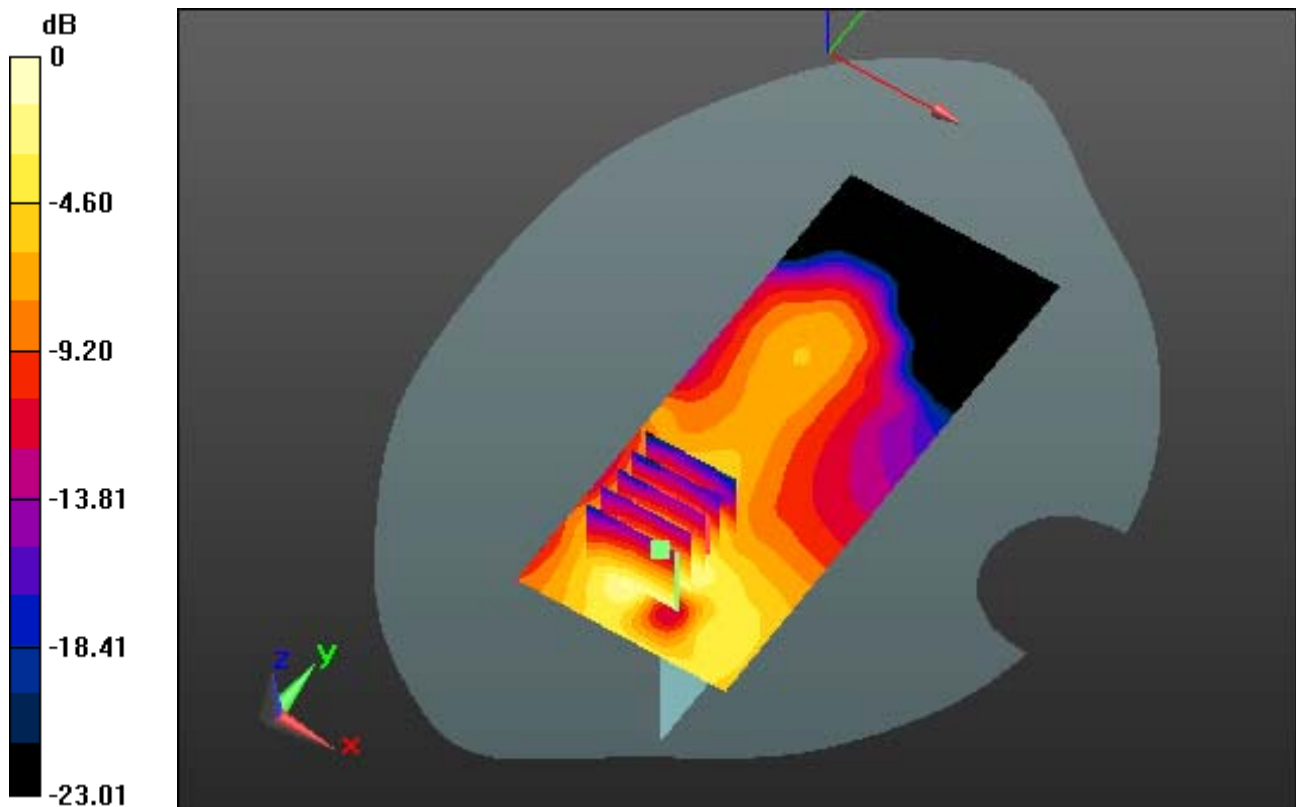
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.212 mW/g

**SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.069 mW/g**



0 dB = 0.169 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 55.059$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

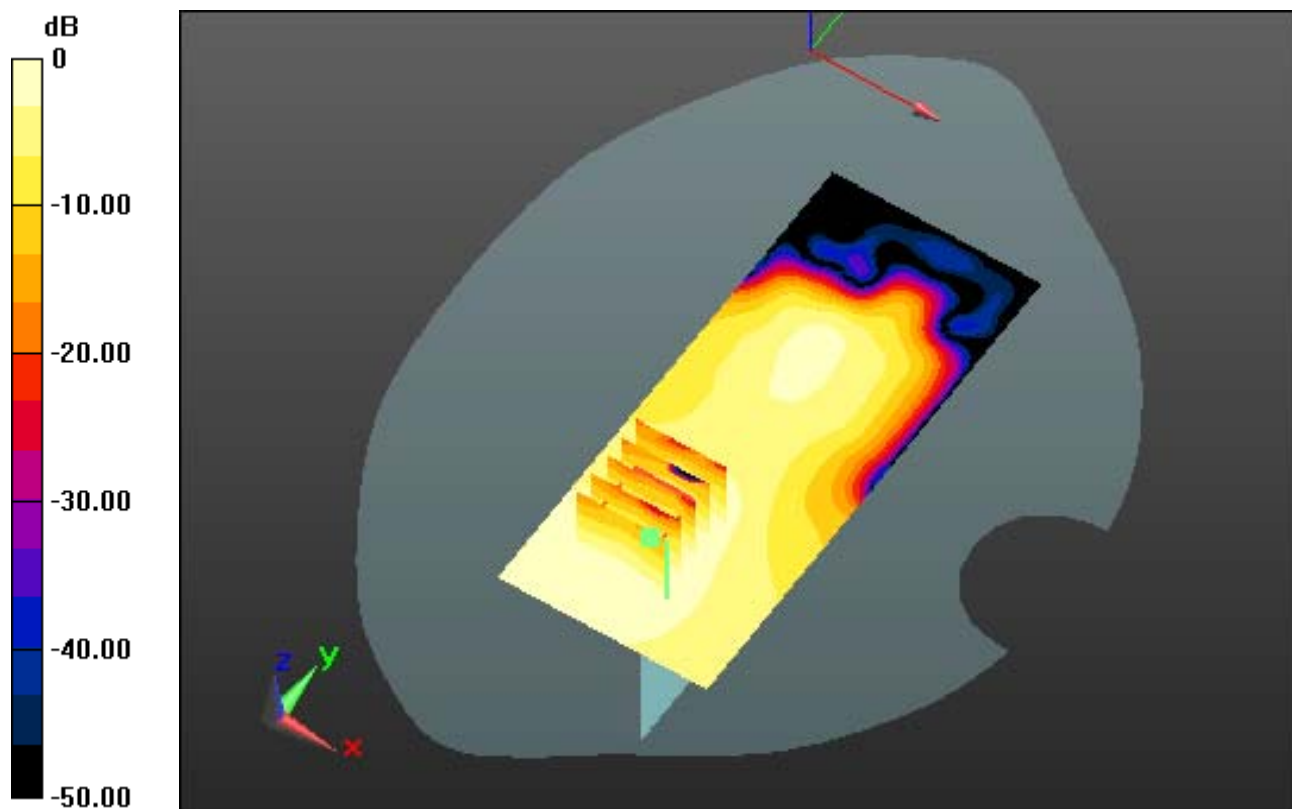
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.088 mW/g

**SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.032 mW/g**



0 dB = 0.0711 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

**With Ear Phone**

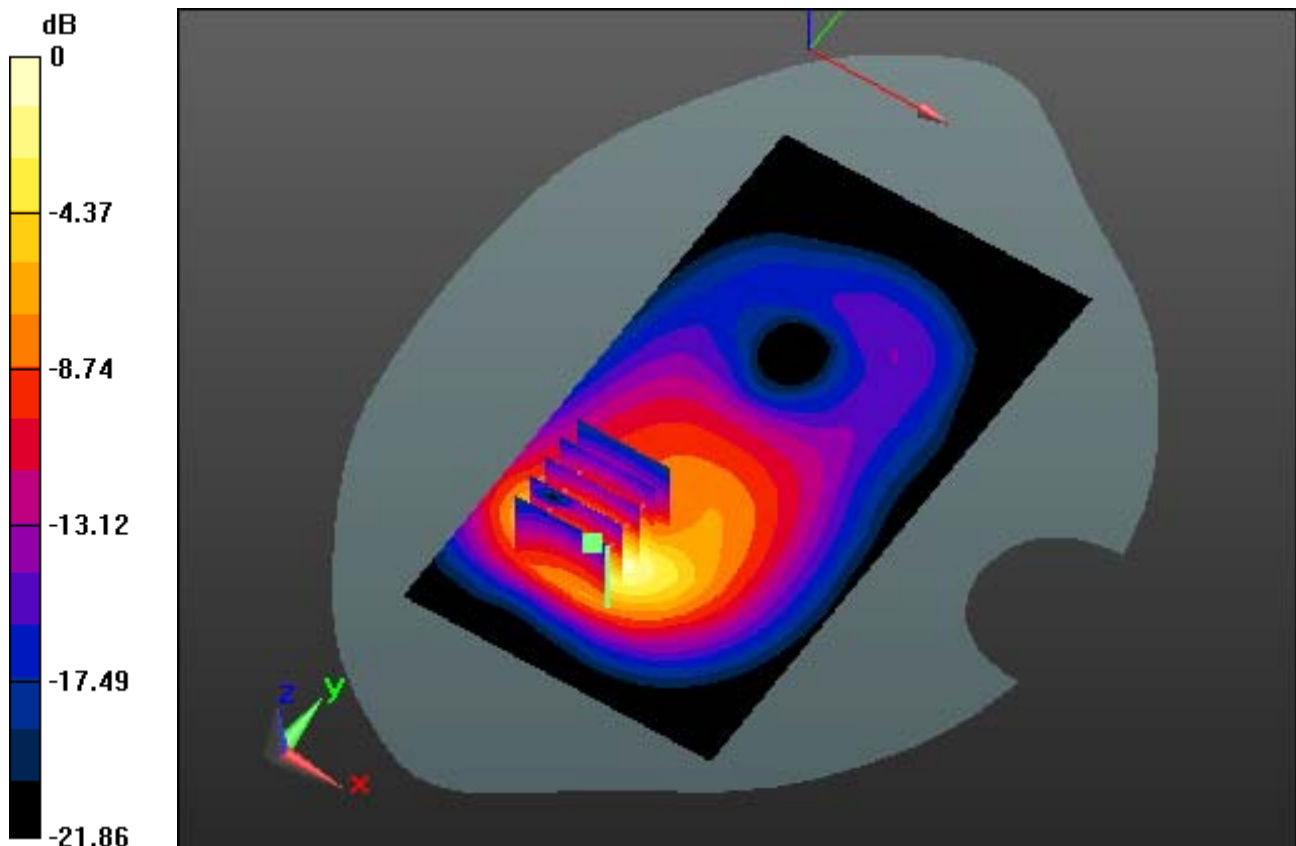
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.185 mW/g

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.586 mW/g**



0 dB = 1.71 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

## **SAR Variability Result**

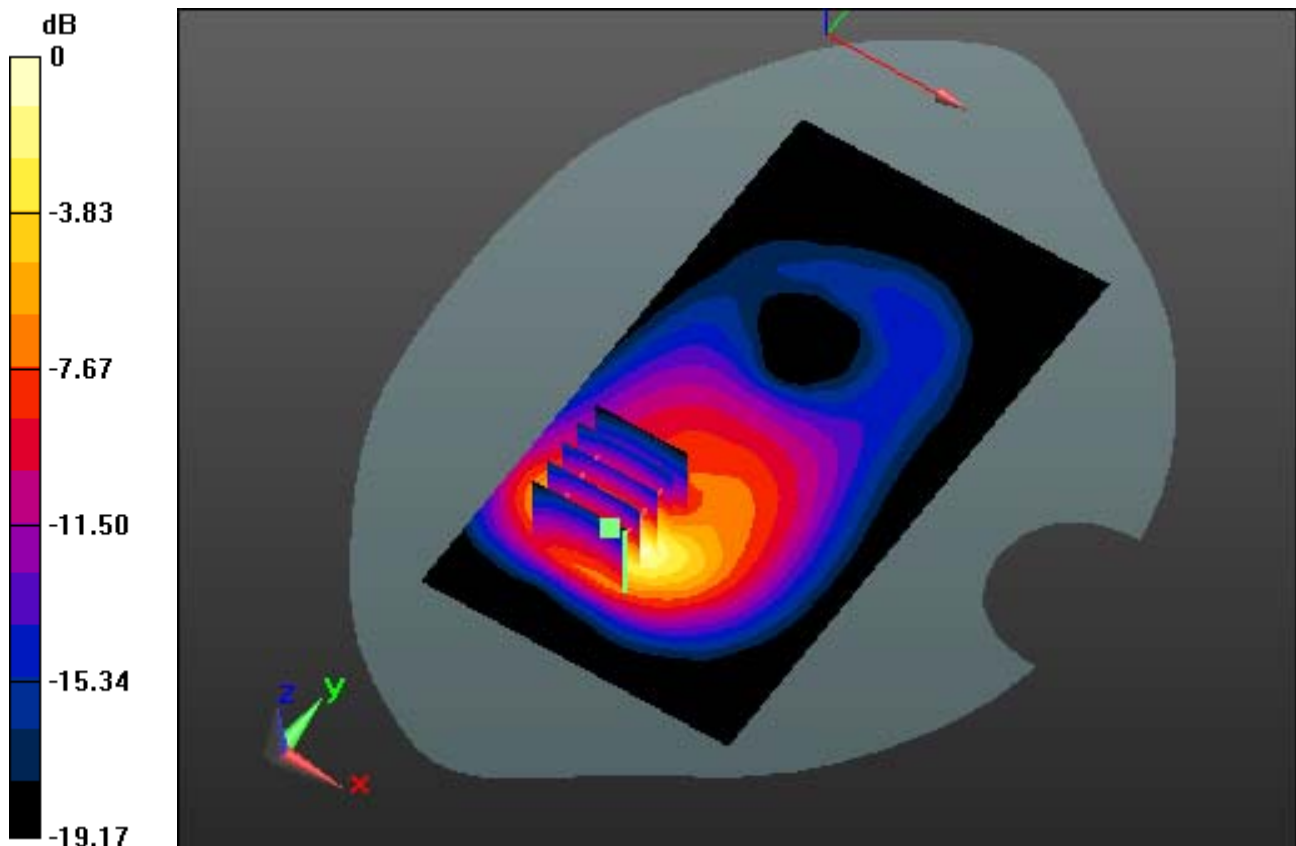
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.104 mW/g

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.573 mW/g**



0 dB = 1.65 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: PCS1900\_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.541$  mho/m;  $\epsilon_r = 54.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391

Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782

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

Test Date: 2013-10-07; Ambient Temp: 21.8; Tissue Temp: 22.1

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

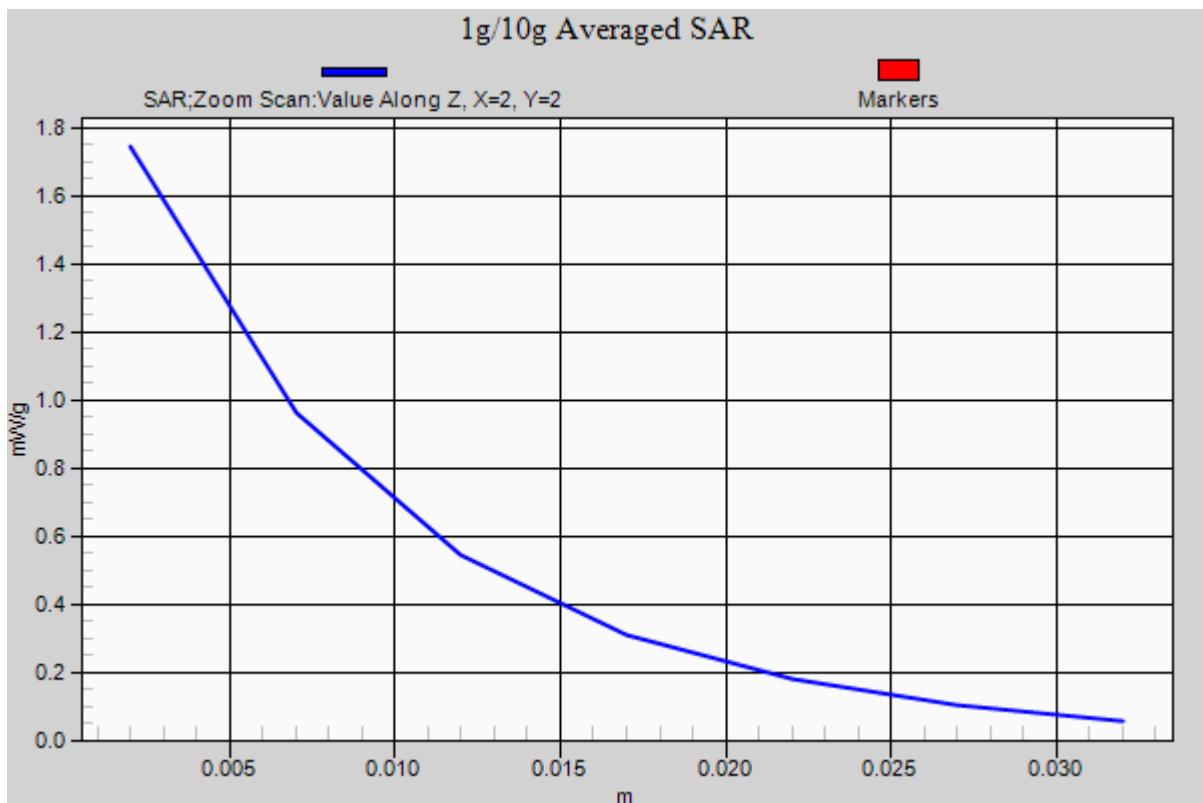
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.196 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.595 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

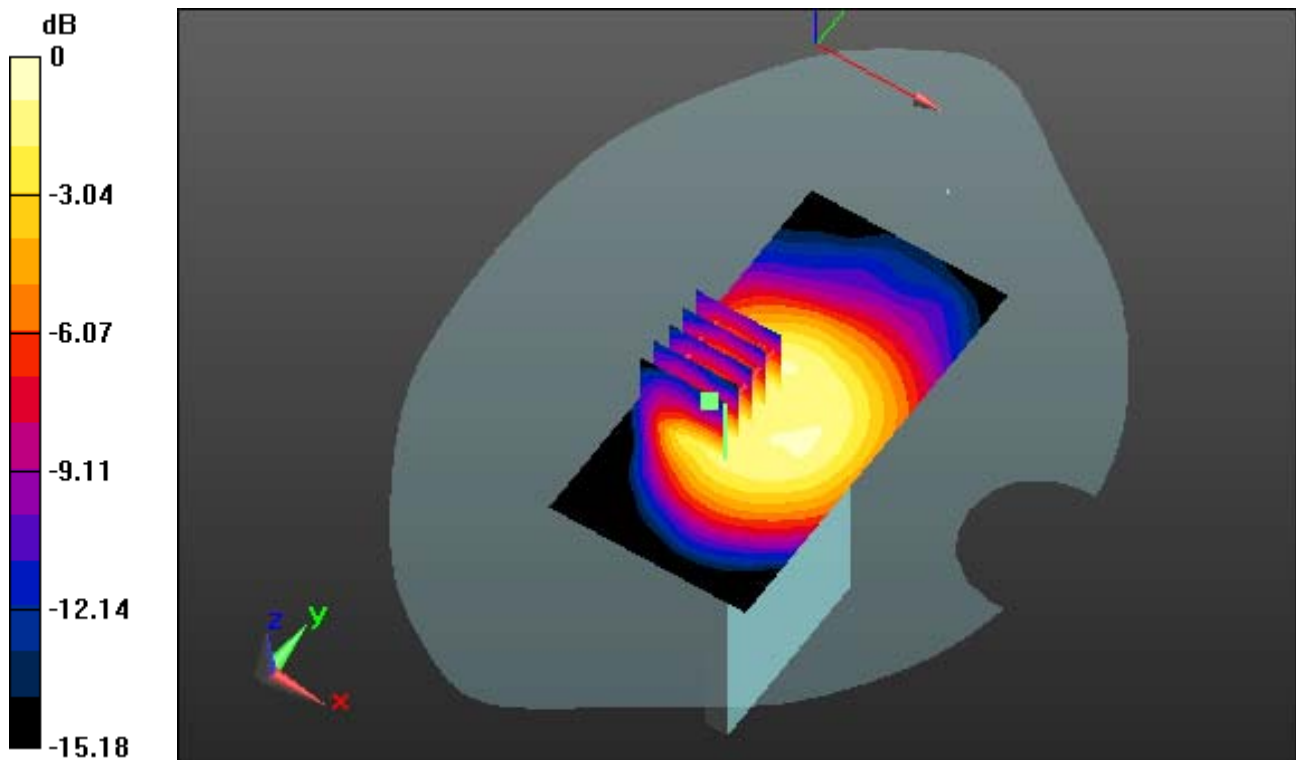
**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.066 mW/g

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.025 mW/g**



0 dB = 0.0540 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

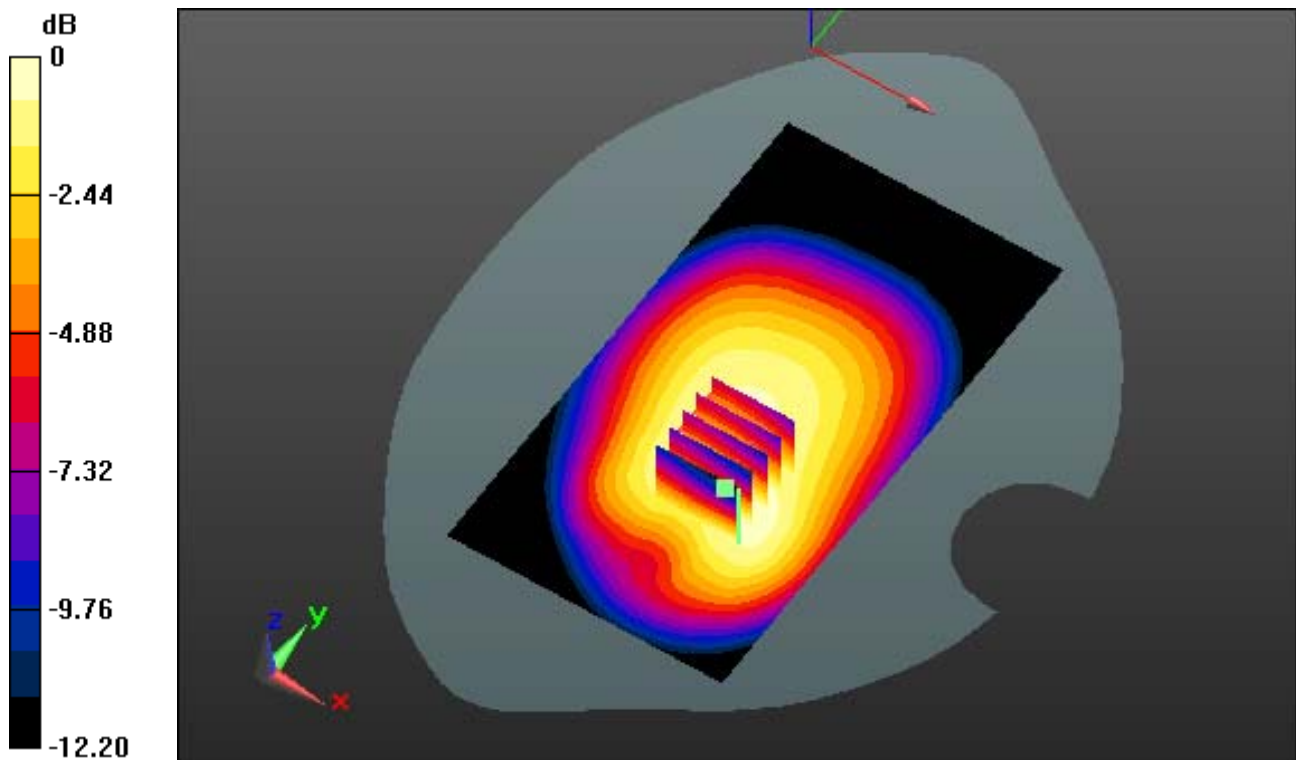
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.315 mW/g

**SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.167 mW/g**



0 dB = 0.267 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

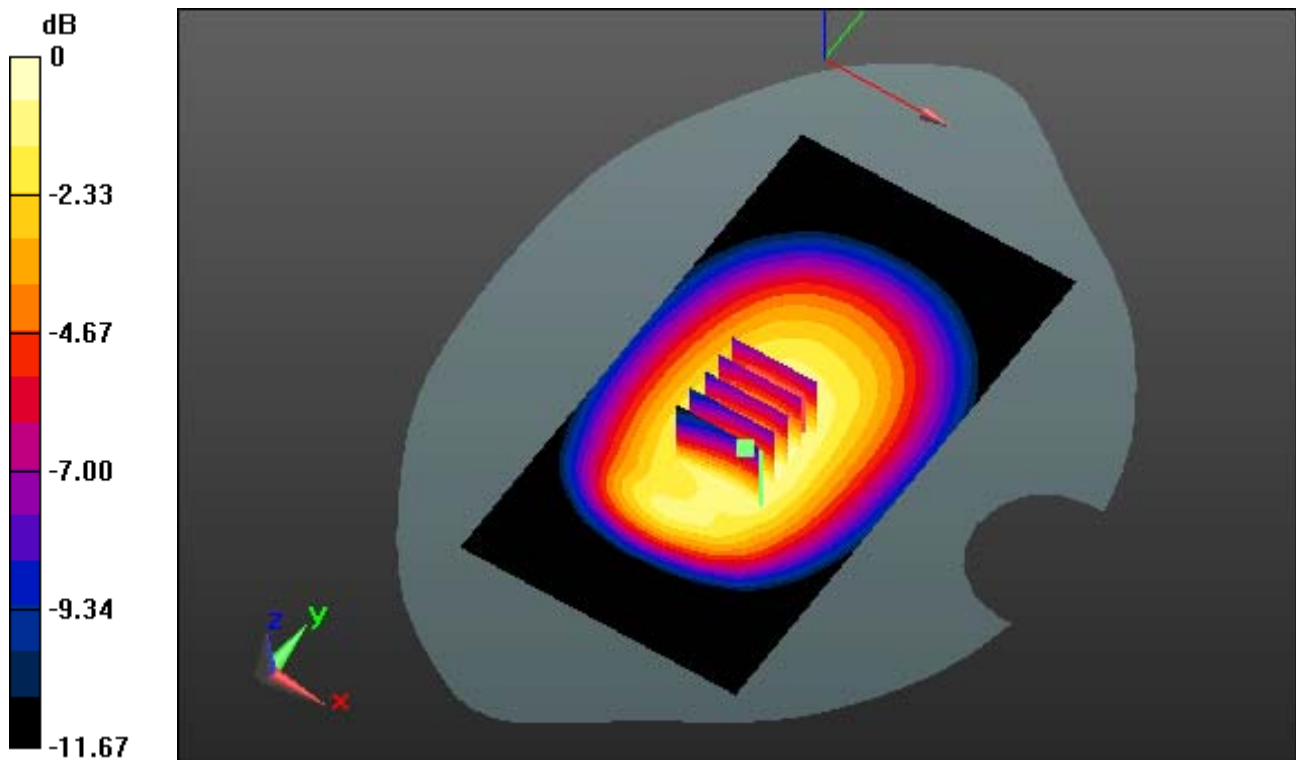
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.601 mW/g

**SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.336 mW/g**



0 dB = 0.541 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

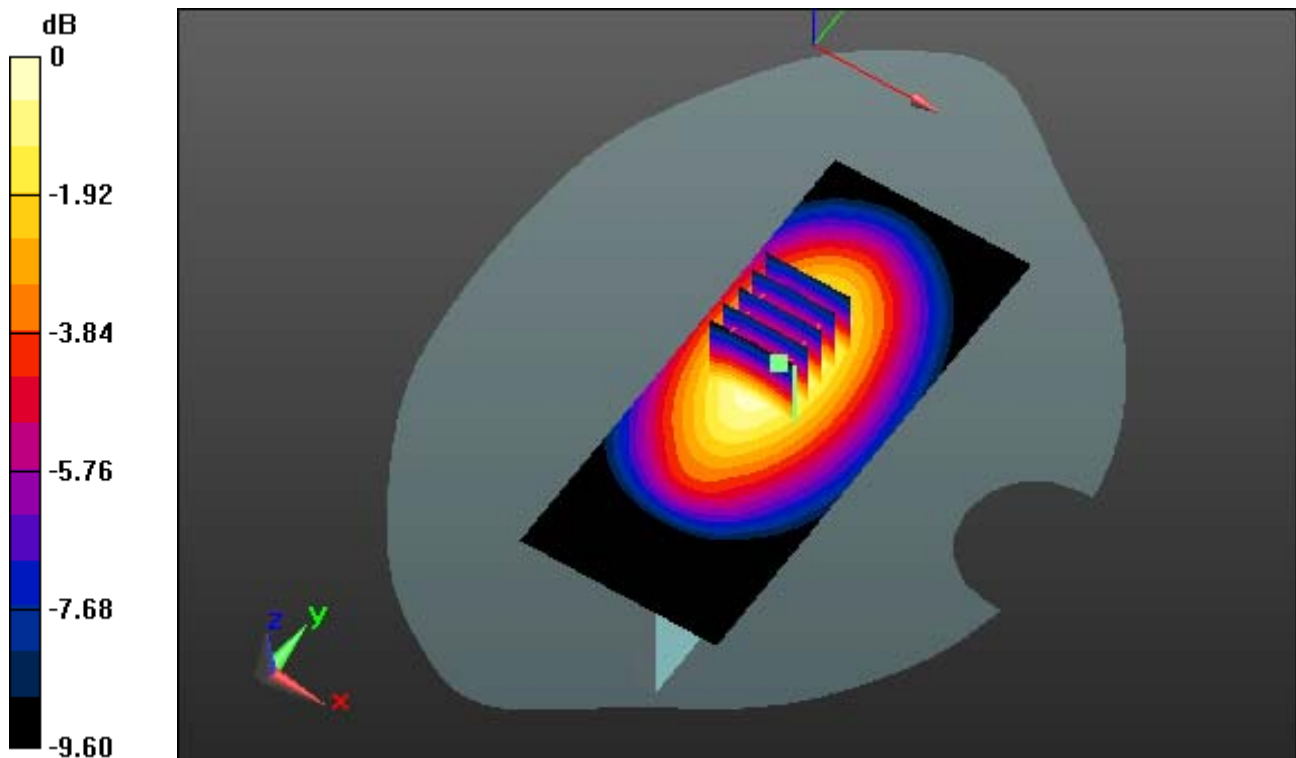
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.345 mW/g

**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.172 mW/g**



0 dB = 0.301 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

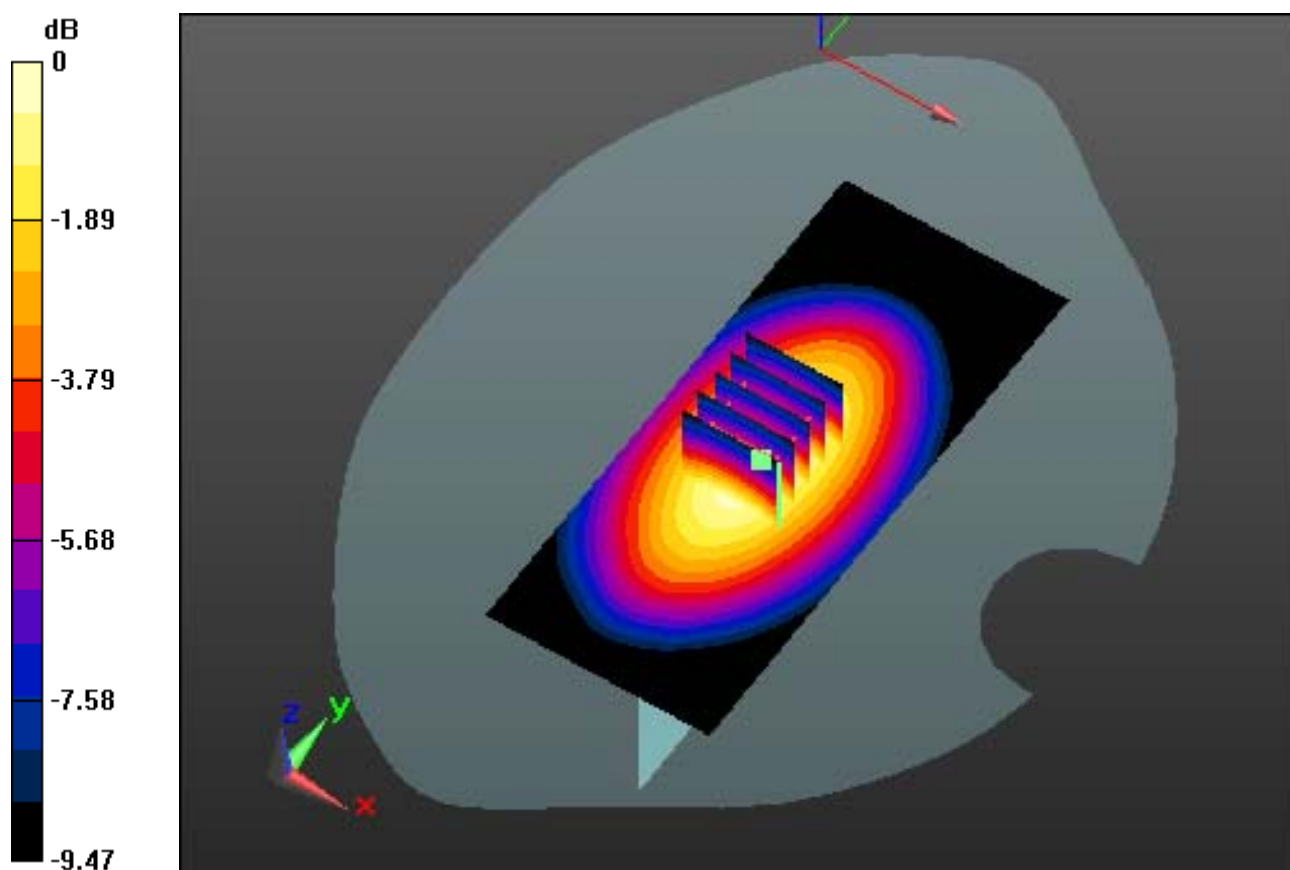
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.431 mW/g

**SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.214 mW/g**



0 dB = 0.377 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.921$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(10.01, 10.01, 10.01); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-09-30; Ambient Temp: 22.2; Tissue Temp: 22.4

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

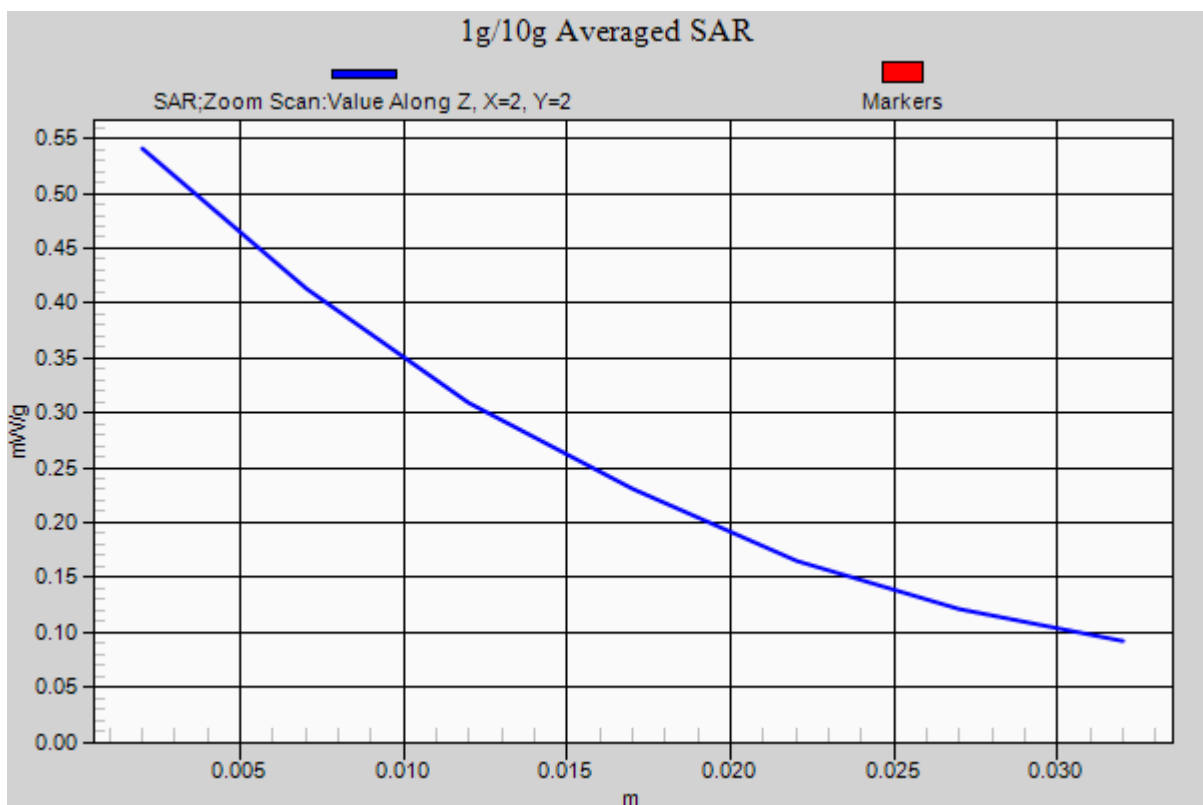
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.601 mW/g

**SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.336 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

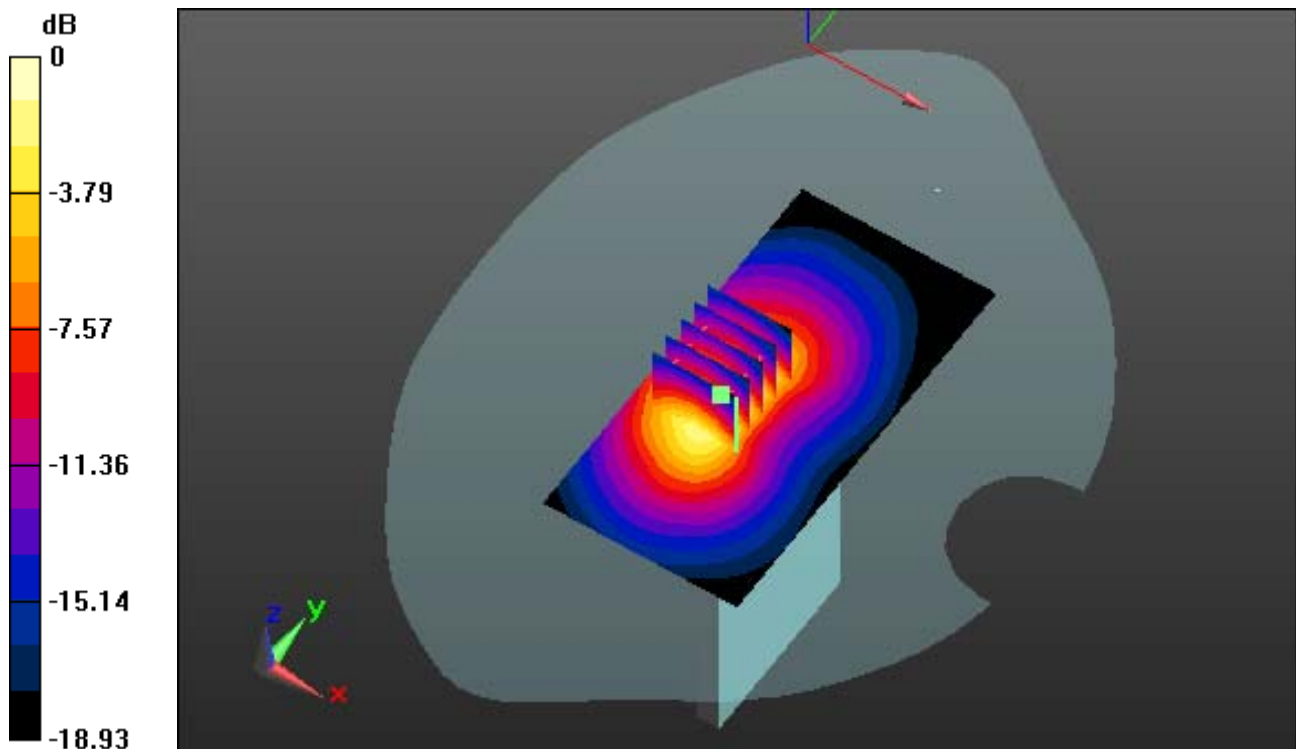
**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.142 mW/g

**SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.352 mW/g**



0 dB = 0.918 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

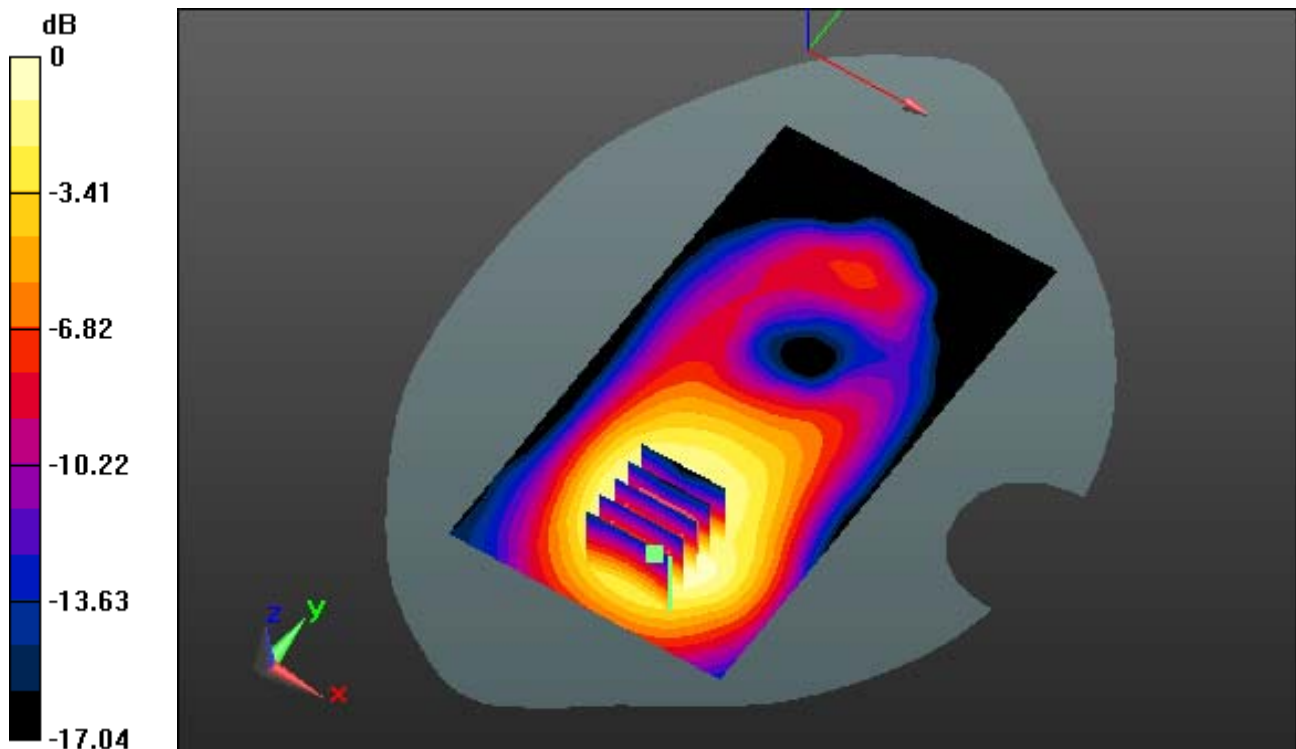
**1 cm space from Body, Front, WCDMA1900 Ch. 9400, Ant Internal**

**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) = 0.318 mW/g

**SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.115 mW/g**



0 dB = 0.256 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r = 54.525$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

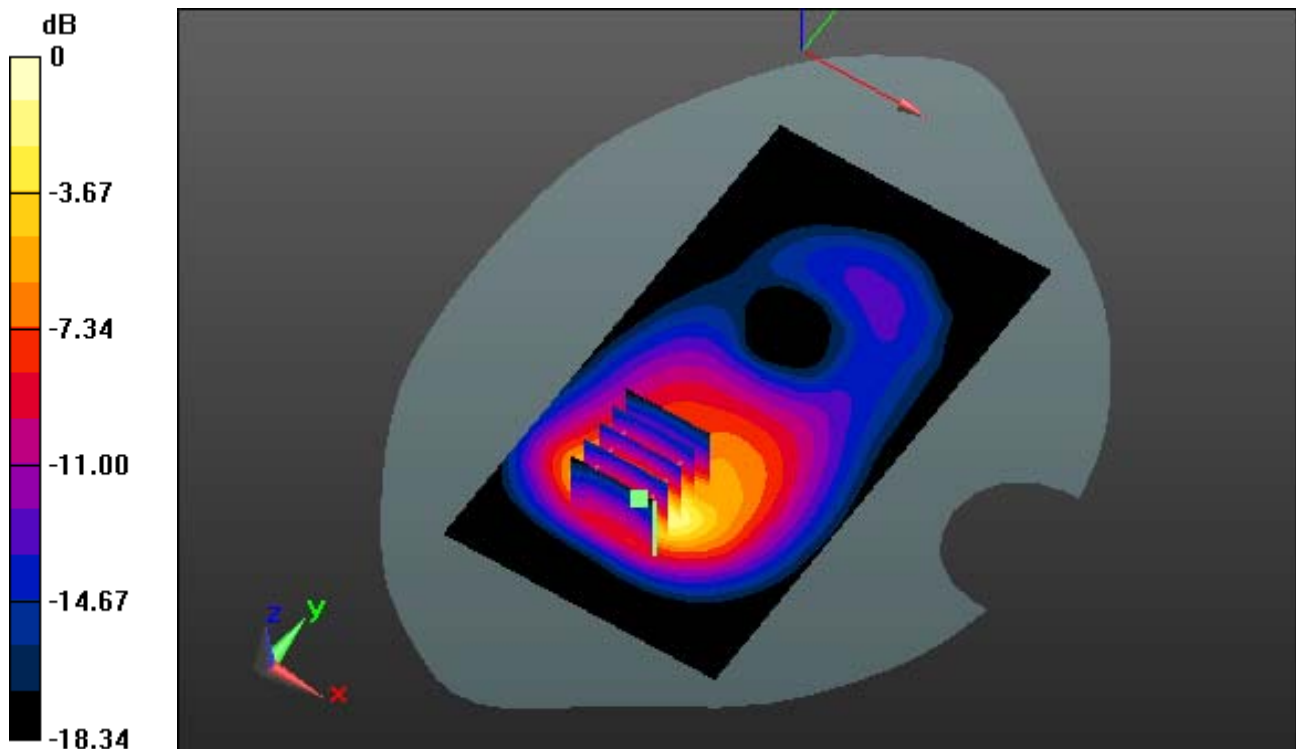
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.566 mW/g

**SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.448 mW/g**



0 dB = 1.26 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

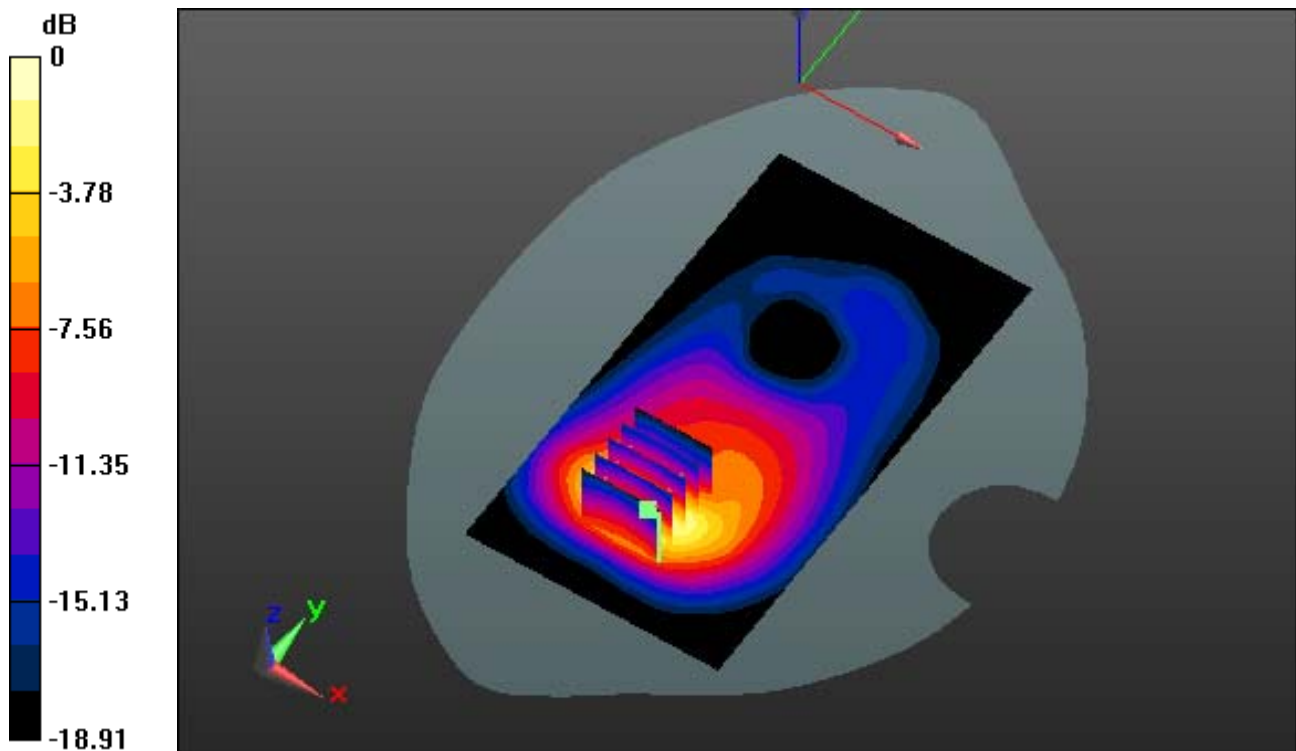
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.818 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.515 mW/g**



0 dB = 1.45 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.537$  mho/m;  $\epsilon_r = 54.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

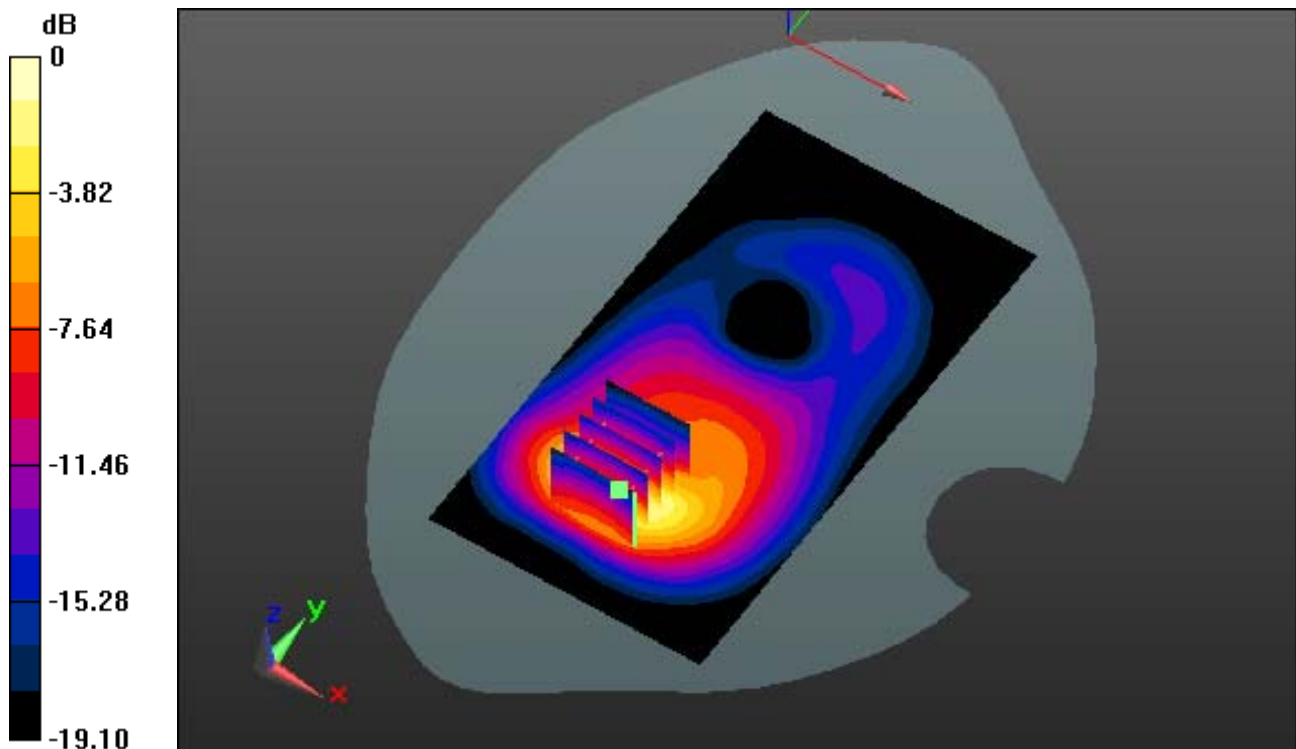
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.944 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.543 mW/g**



0 dB = 1.54 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

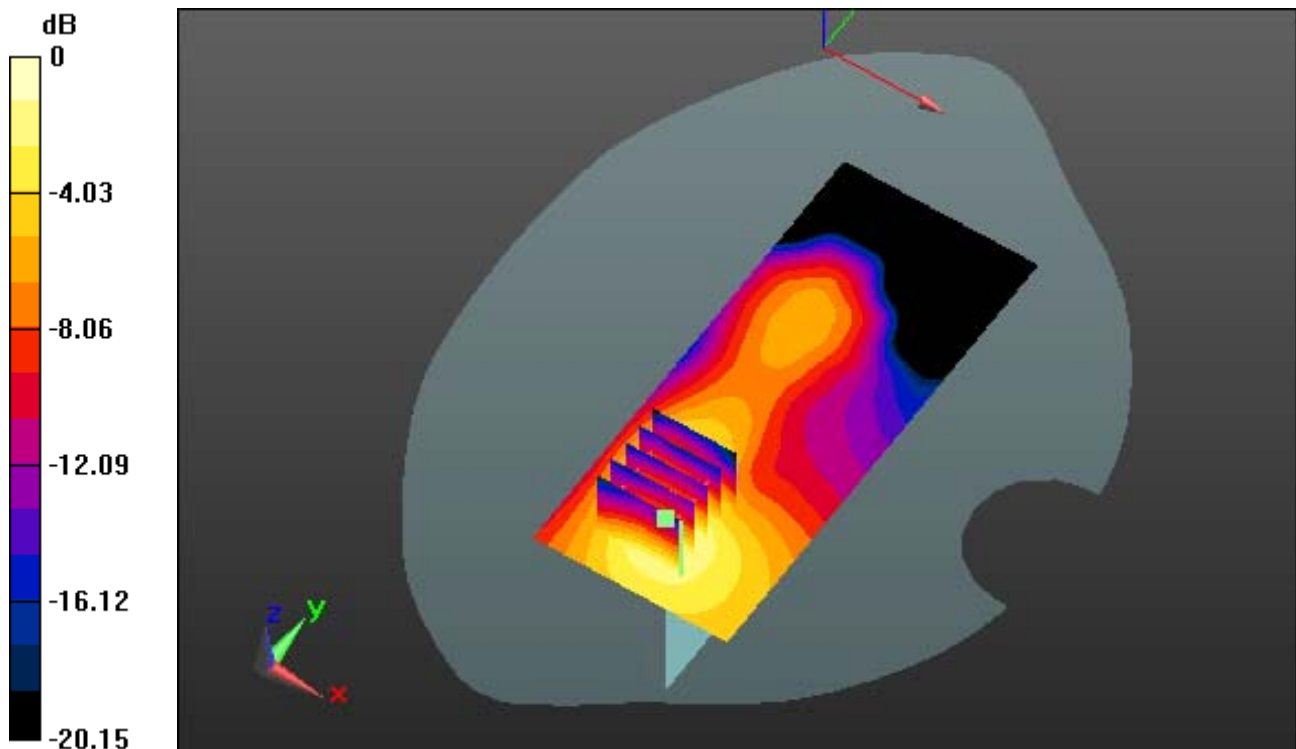
**1 cm space from Body, Right, WCDMA1900 Ch. 9400, Ant Internal**

**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.206 mW/g

**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.068 mW/g**



0 dB = 0.164 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

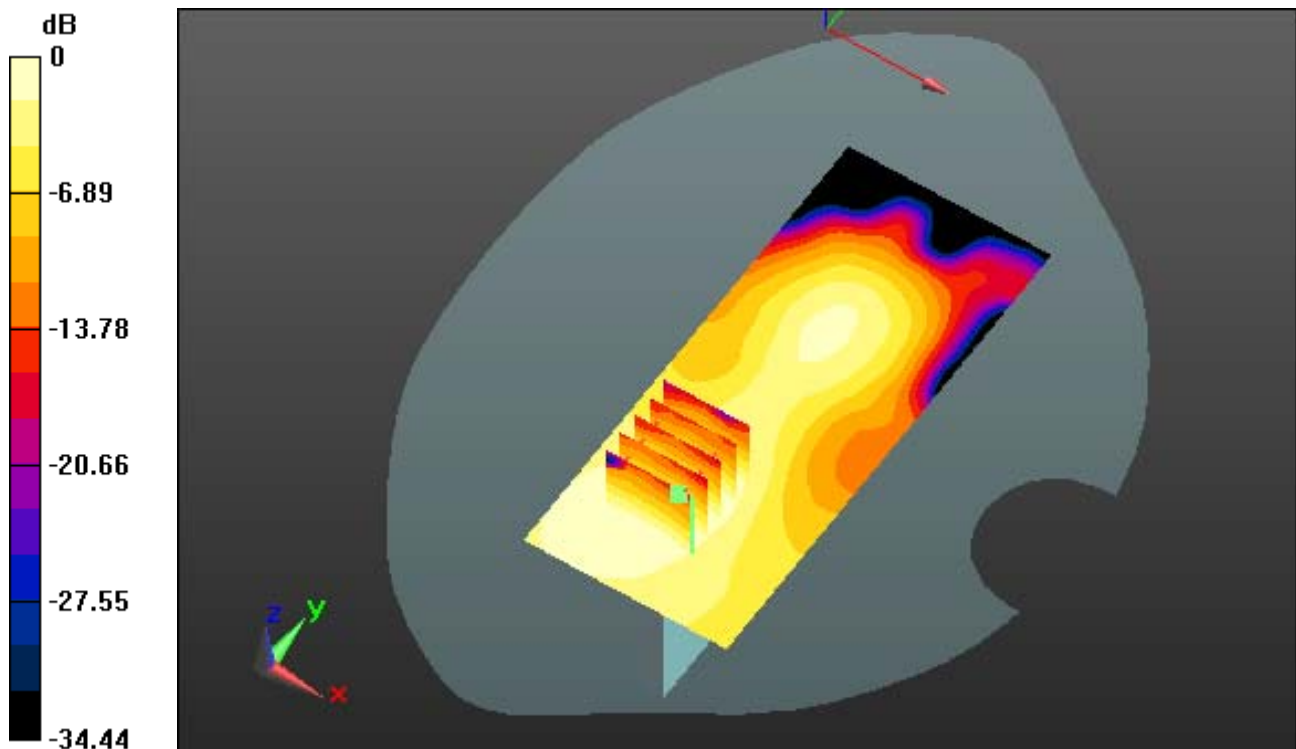
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.086 mW/g

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.031 mW/g**



0 dB = 0.0699 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.537$  mho/m;  $\epsilon_r = 54.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

## **SAR Variability Result**

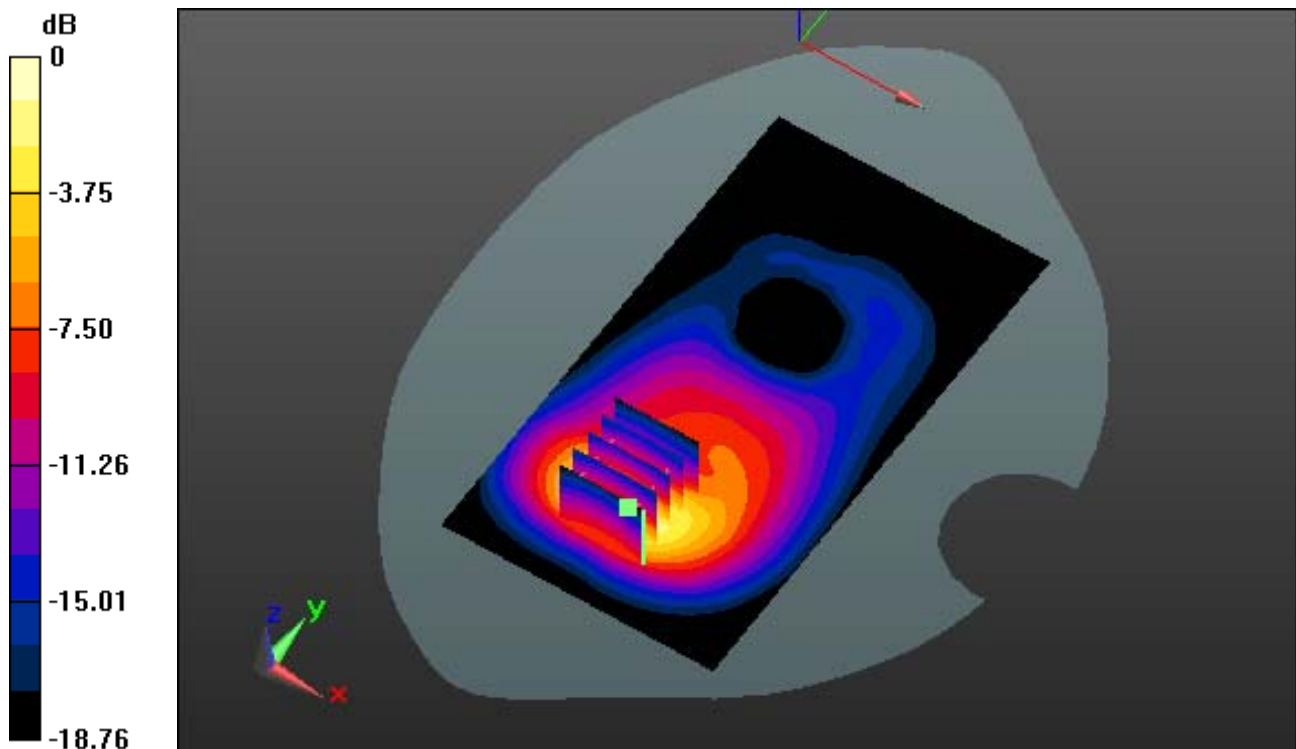
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.898 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.536 mW/g**



0 dB = 1.52 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: WCDMA 1900 (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.537$  mho/m;  $\epsilon_r = 54.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.89, 7.89, 7.89); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-02; Ambient Temp: 22.2; Tissue Temp: 22.7

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

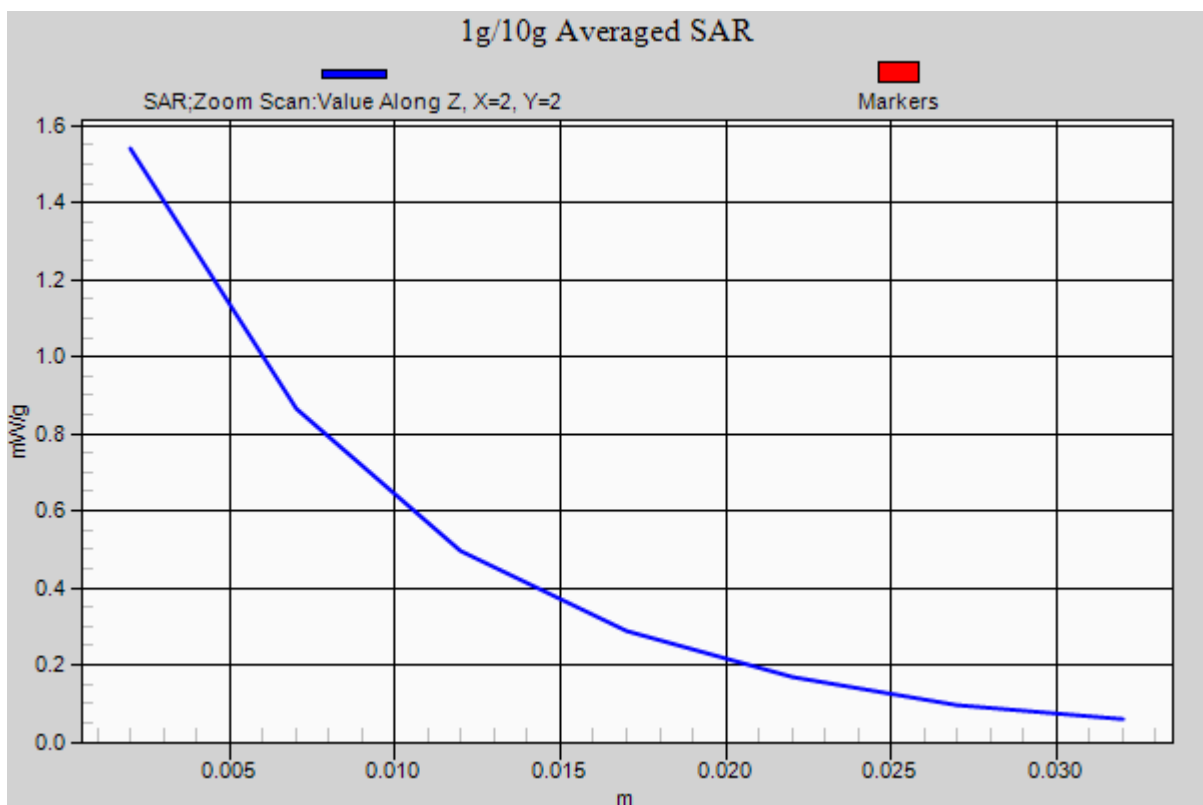
**Area Scan (71x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.944 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.543 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

**1 cm space from Body, Top, W-LAN(802.11b) Ch. 6, Ant Internal**

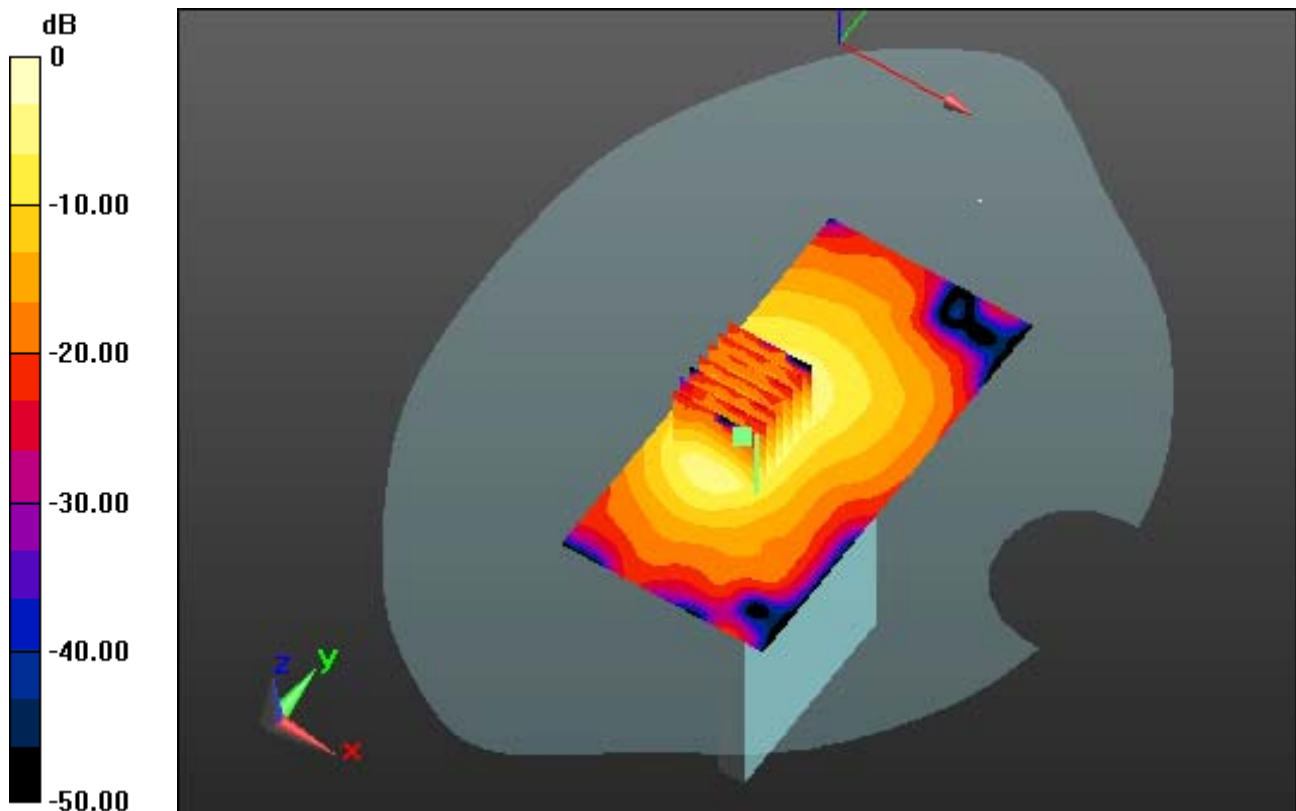
**Area Scan (61x121x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.539 mW/g

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.102 mW/g**



0 dB = 0.382 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

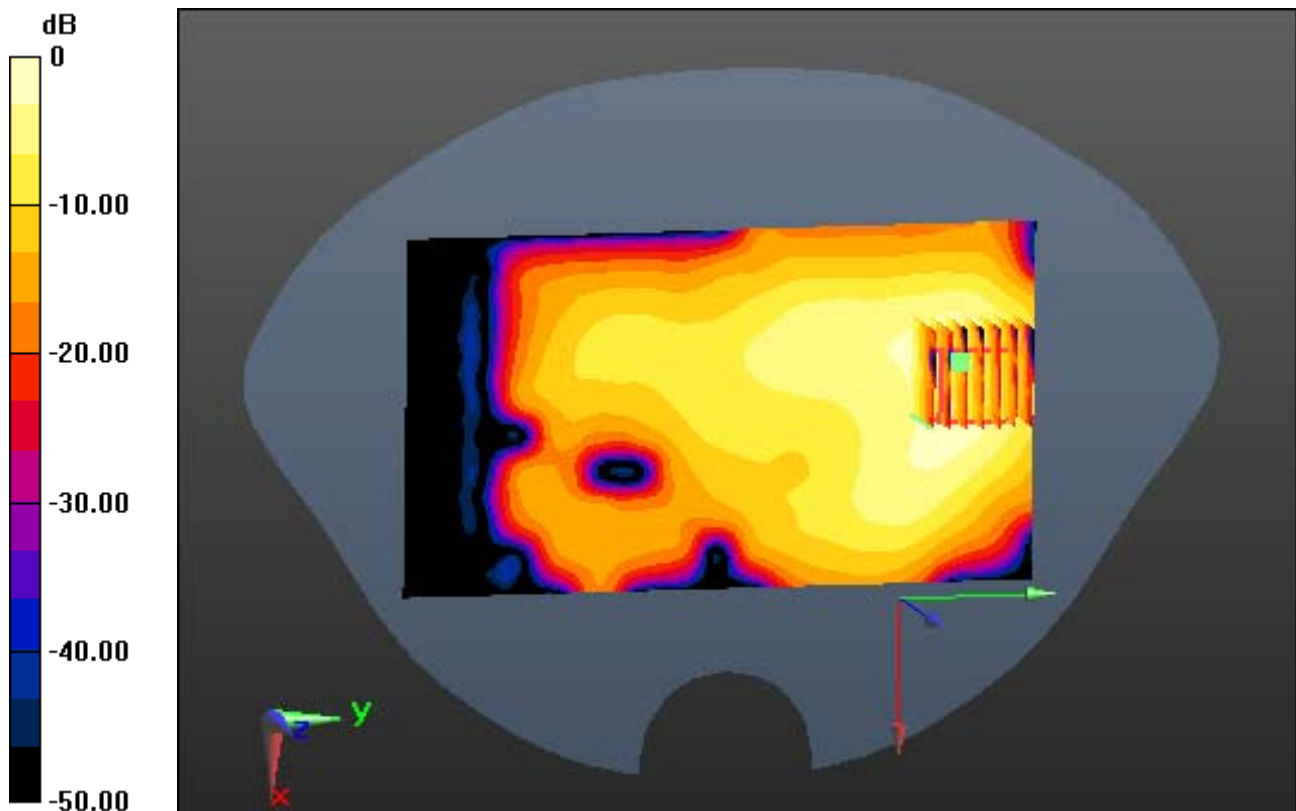
**1 cm space from Body, Front, W-LAN(802.11b) Ch. 6, Ant Internal**

**Area Scan (91x161x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.321 mW/g

**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.077 mW/g**



0 dB = 0.234 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

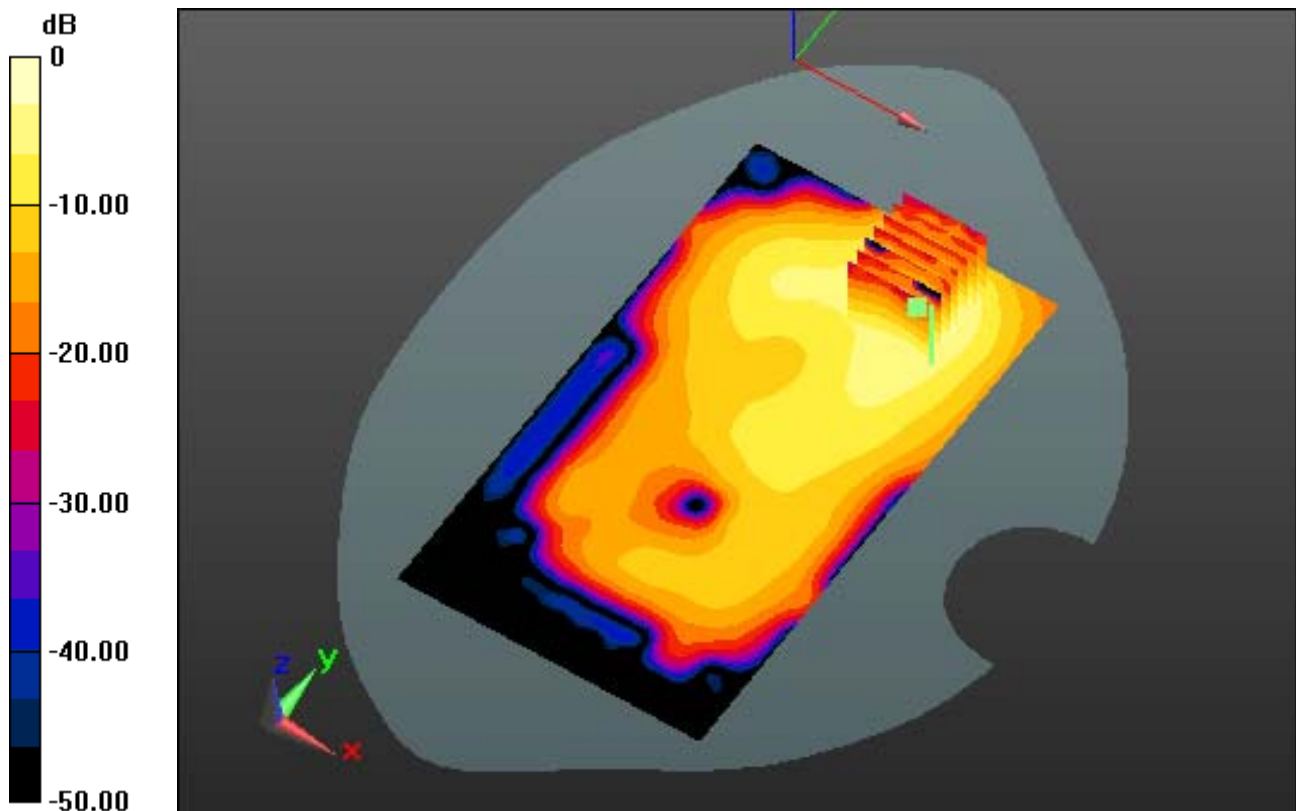
**1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal**

**Area Scan (91x161x1):** Measurement 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) = 0.541 mW/g

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.106 mW/g**



0 dB = 0.369 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

**1 cm space from Body, Right, W-LAN(802.11b) Ch. 6, Ant Internal**

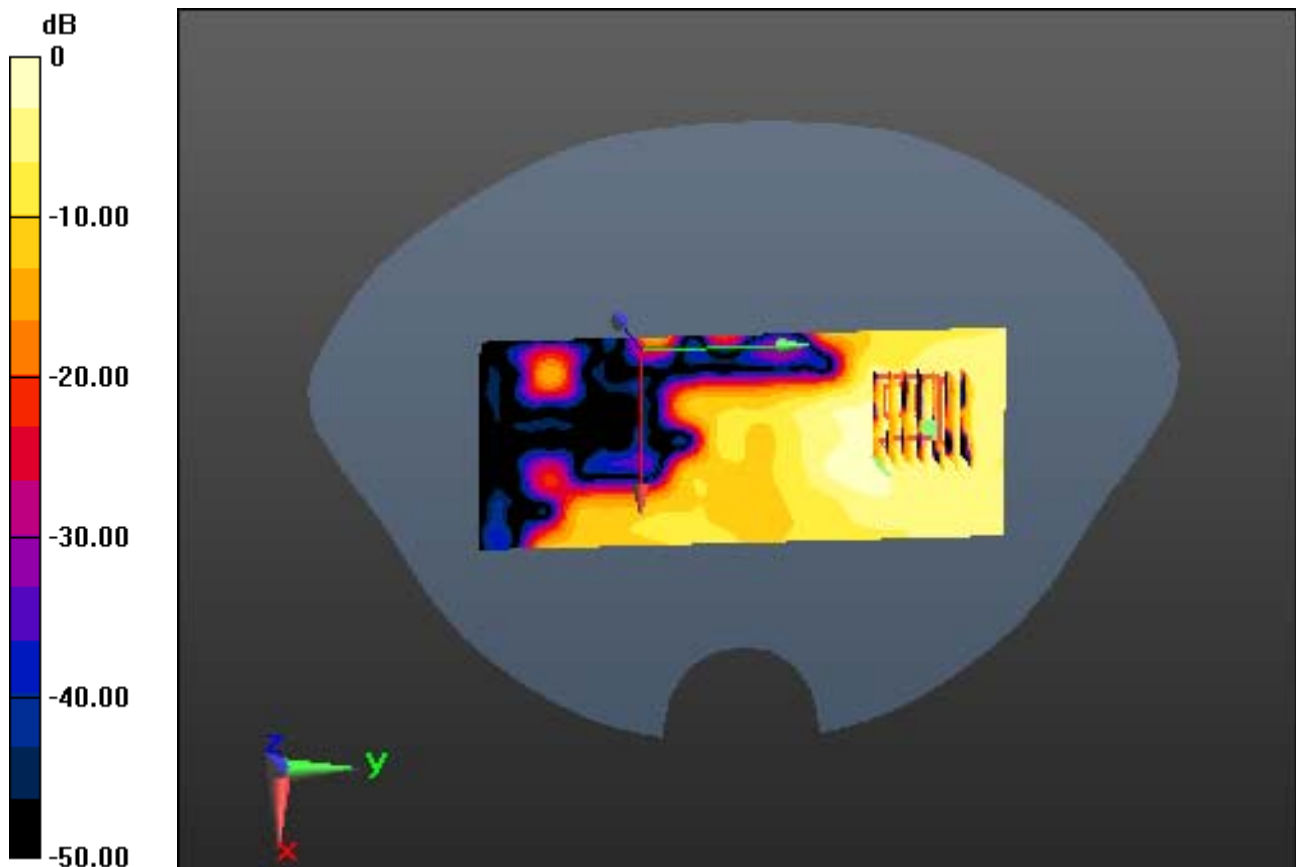
**Area Scan (61x151x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.088 mW/g

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.016 mW/g**



0 dB = 0.0661 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

**1 cm space from Body, Left, W-LAN(802.11b) Ch. 6, Ant Internal**

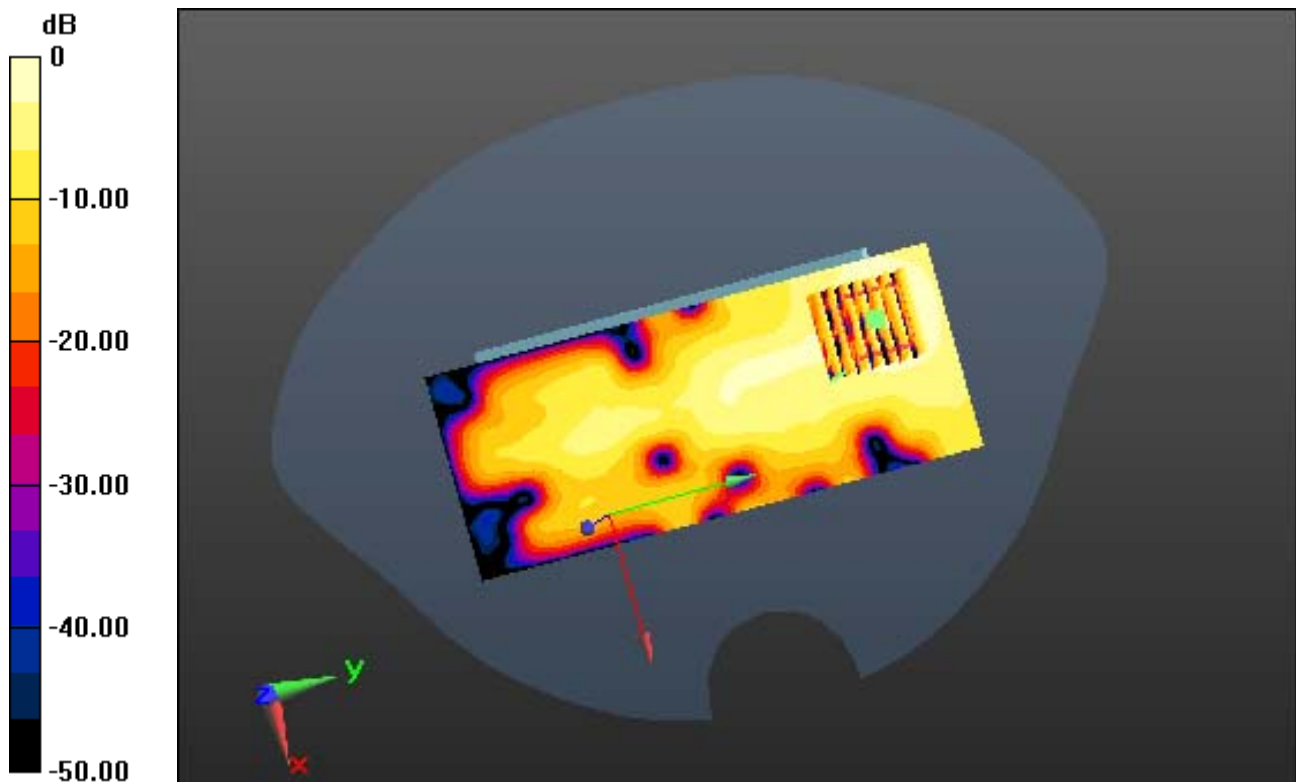
**Area Scan (61x151x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.084 mW/g

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.018 mW/g**



0 dB = 0.0599 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.902$  mho/m;  $\epsilon_r = 50.933$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

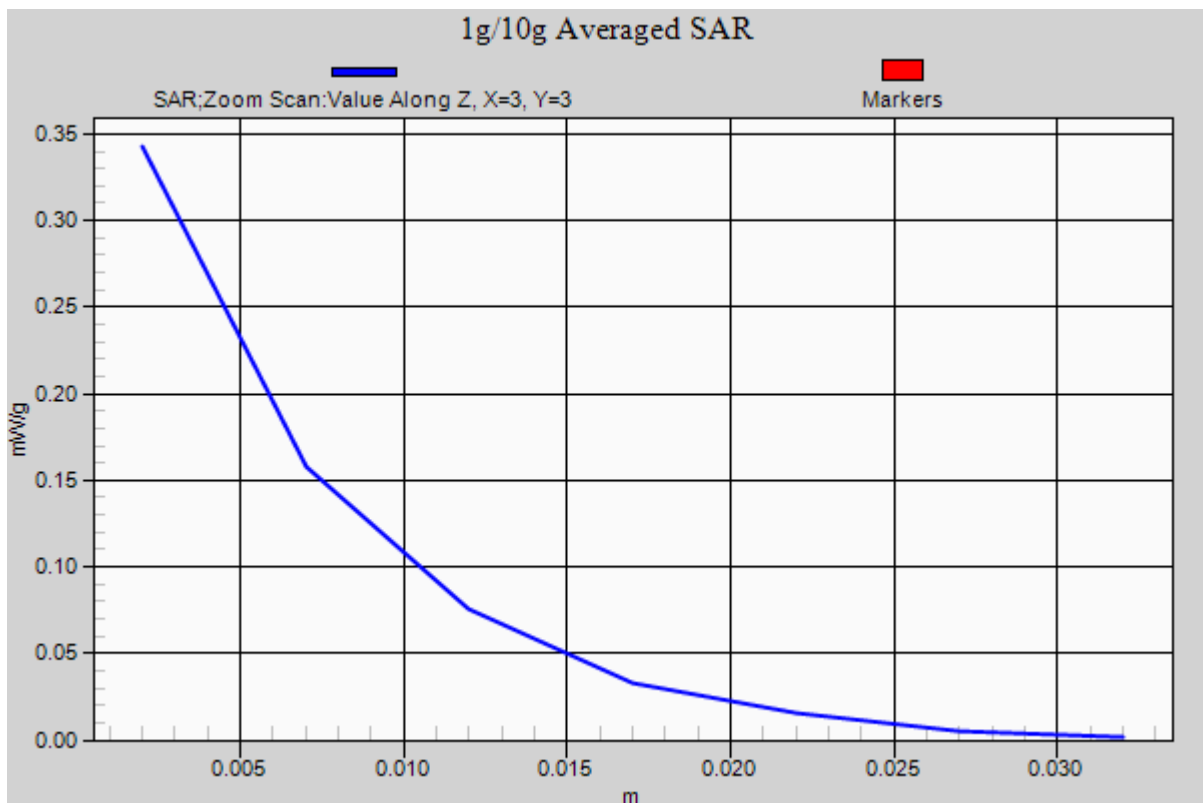
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(7.48, 7.48, 7.48); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-04; Ambient Temp: 21.9; Tissue Temp: 22.3

**1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal**

**Area Scan (91x161x1):** Measurement 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) = 0.541 mW/g  
**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.106 mW/g**





# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200 (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.194$  mho/m;  $\epsilon_r = 48.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**1 cm space from Body, Front, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal**

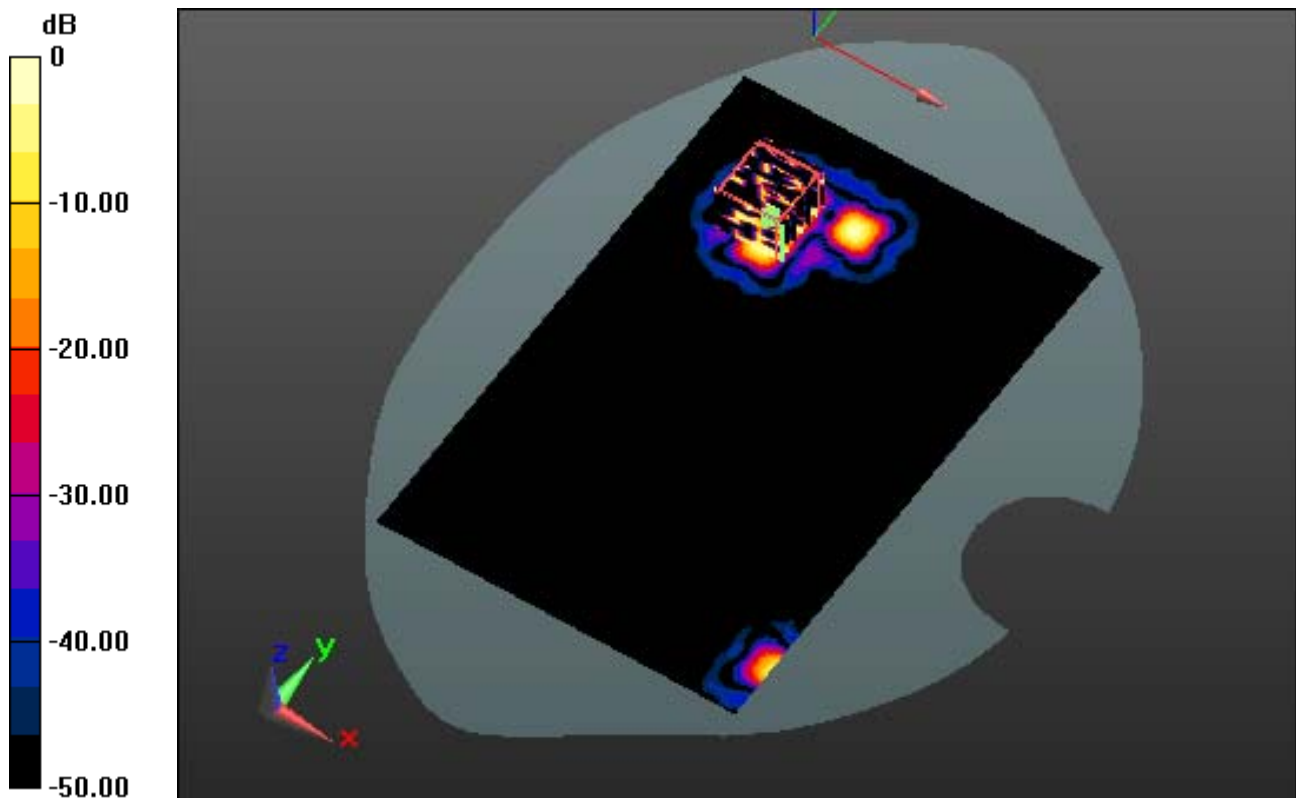
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.139 mW/g

SAR(1 g) = 0.00691 mW/g; SAR(10 g) = 0.00124 mW/g



0 dB = 0.0199 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200(40,44) (0); Frequency: 5200 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.194$  mho/m;  $\epsilon_r = 48.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**1 cm space from Body, Rear, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal**

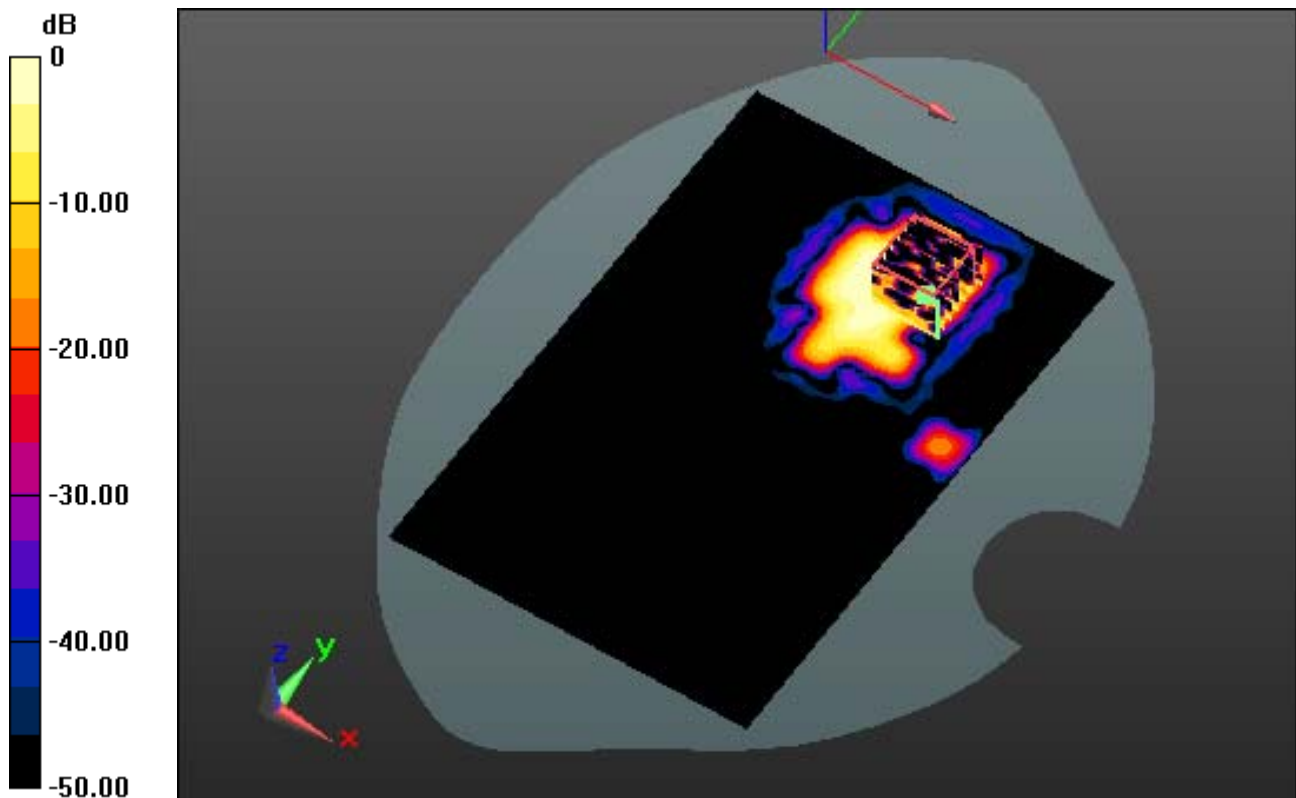
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.336 mW/g

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.014 mW/g



0 dB = 0.104 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200(40,44) (0); Frequency: 5210 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5210$  MHz;  $\sigma = 5.207$  mho/m;  $\epsilon_r = 48.366$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

**1 cm space from Body, Rear, W-LAN(802.11ac VHT80-5.2G Band) Ch. 42, Ant Internal**

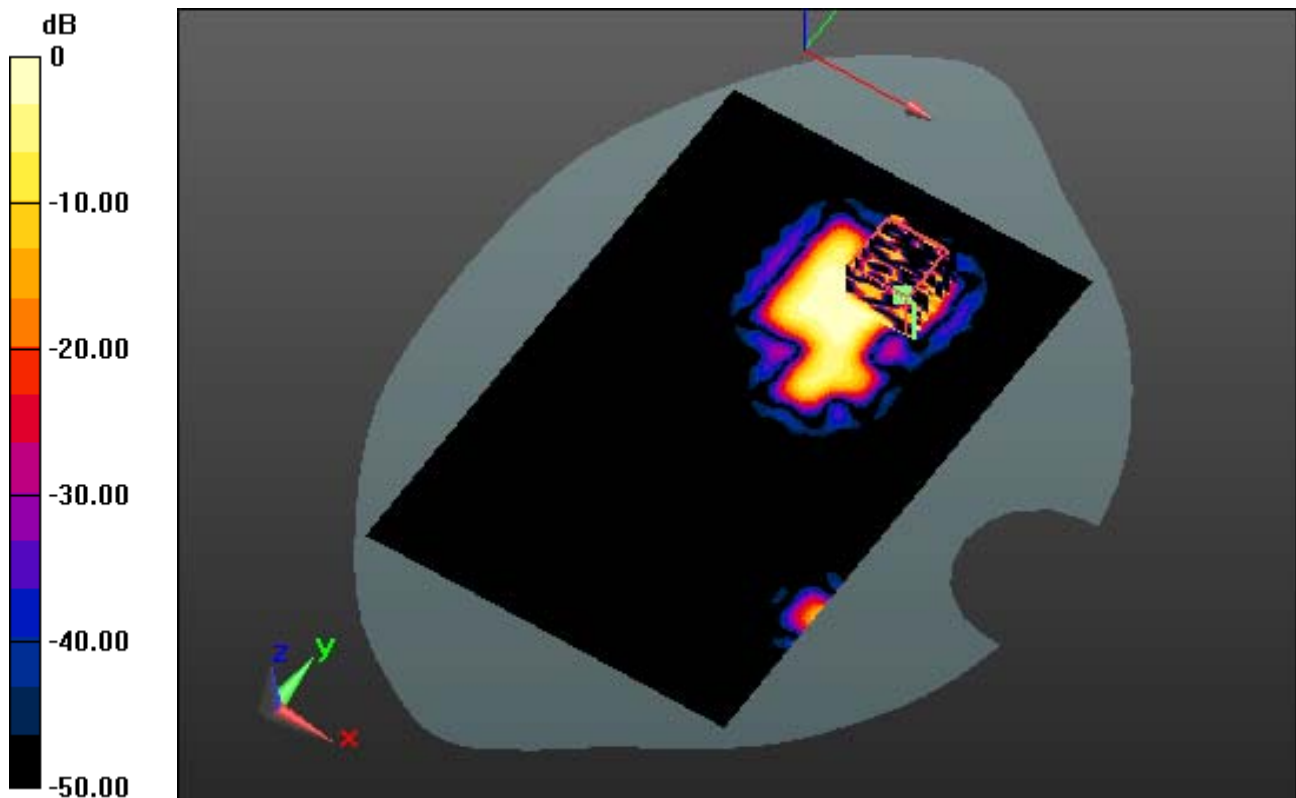
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.437 mW/g

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.012 mW/g



0 dB = 0.0826 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5200(40,44) (0); Frequency: 5200 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.194$  mho/m;  $\epsilon_r = 48.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.61, 4.61, 4.61); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-08; Ambient Temp: 21.9; Tissue Temp: 22.4

## **1 cm space from Body, Rear, W-LAN(802.11a-5.2G Band) Ch. 40, Ant Internal**

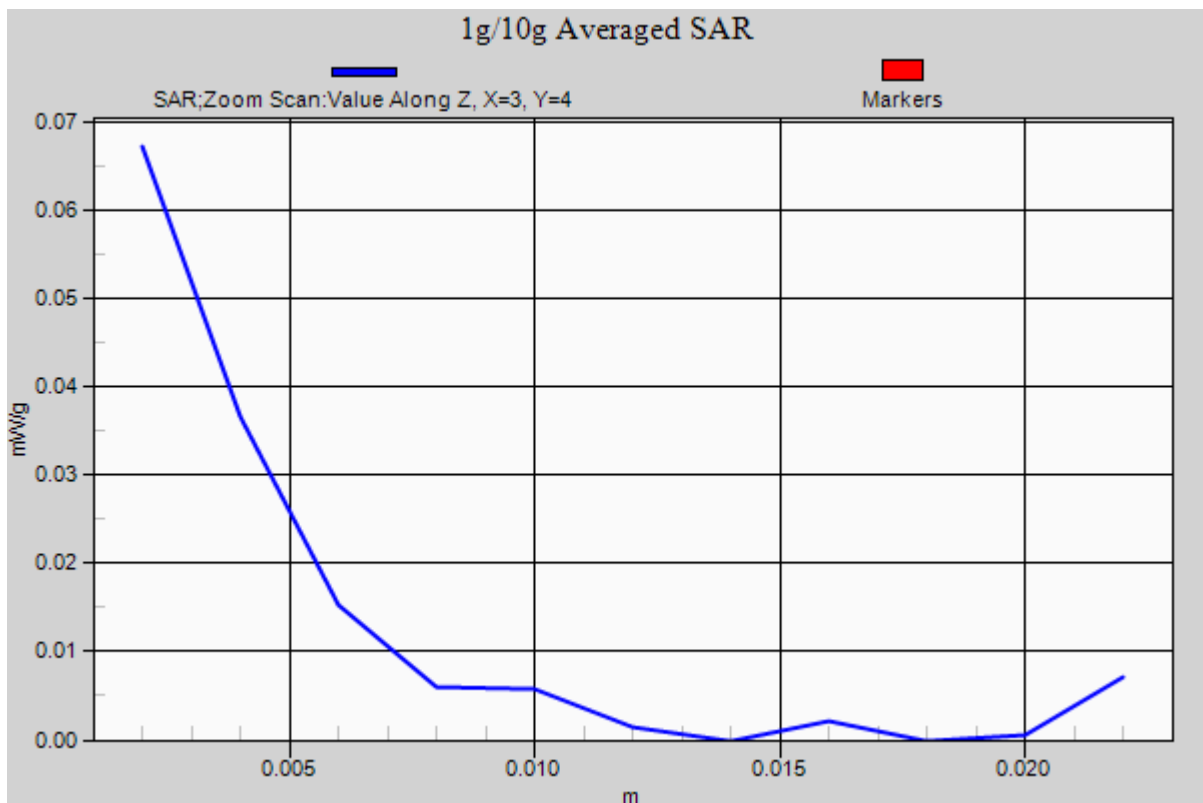
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.336 mW/g

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.014 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.277$  mho/m;  $\epsilon_r = 48.241$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.31, 4.31, 4.31); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**1 cm space from Body, Front, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal**

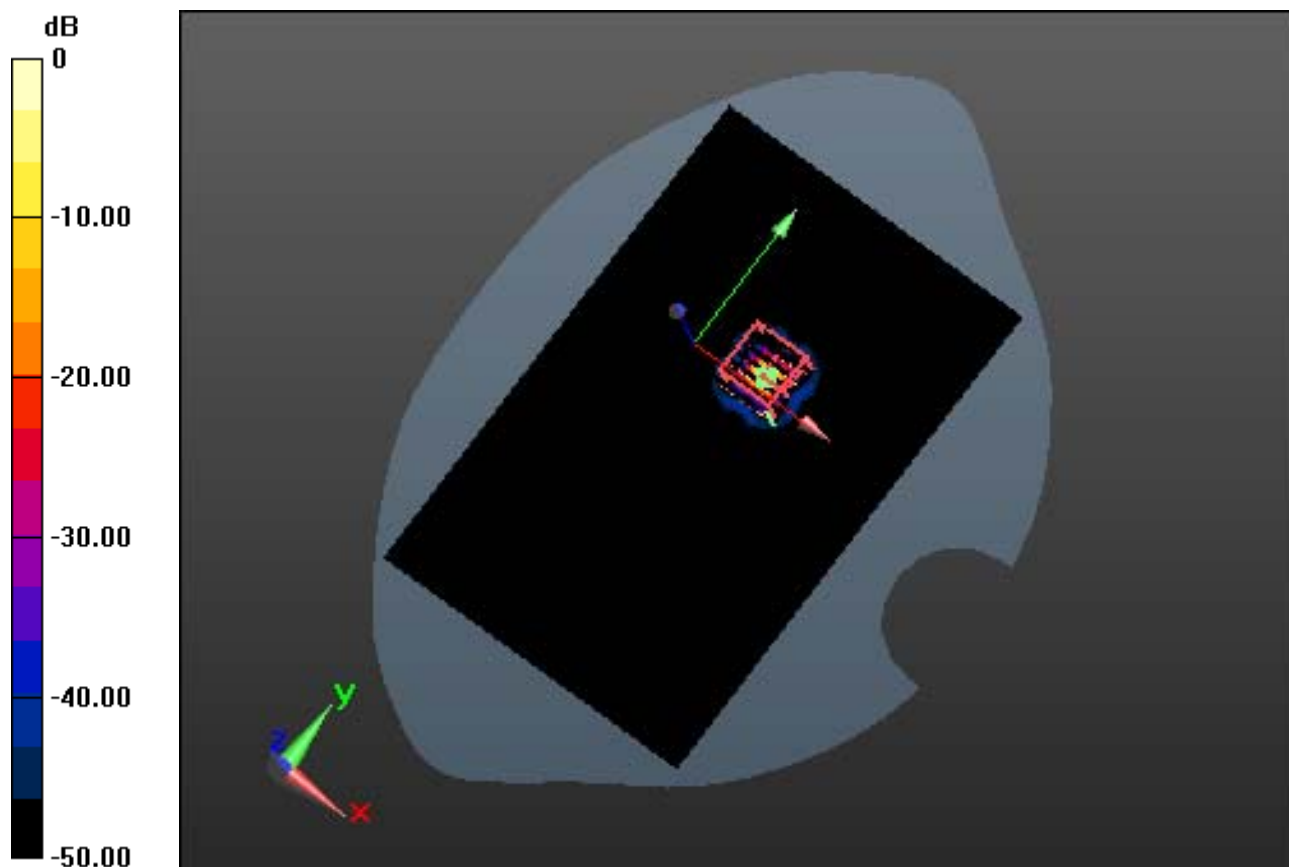
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.220 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00228 mW/g



0 dB = 0.0282 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.277$  mho/m;  $\epsilon_r = 48.241$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.31, 4.31, 4.31); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.6 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**1 cm space from Body, Rear, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal**

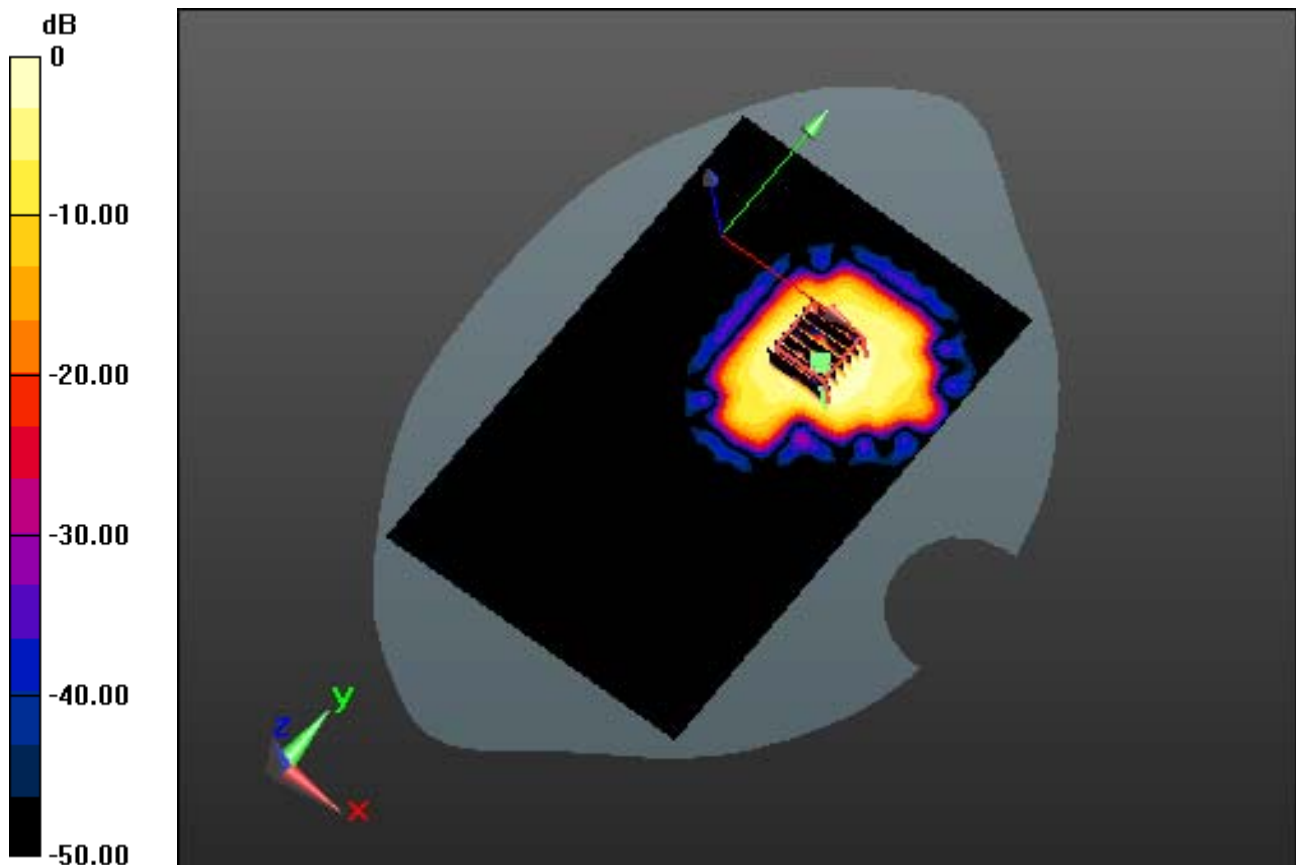
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.349 mW/g

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.030 mW/g



0 dB = 0.162 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5290 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.315$  mho/m;  $\epsilon_r = 48.203$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.31, 4.31, 4.31); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**1 cm space from Body, Rear, W-LAN(802.11ac VHT80-5.3G Band) Ch. 58, Ant Internal**

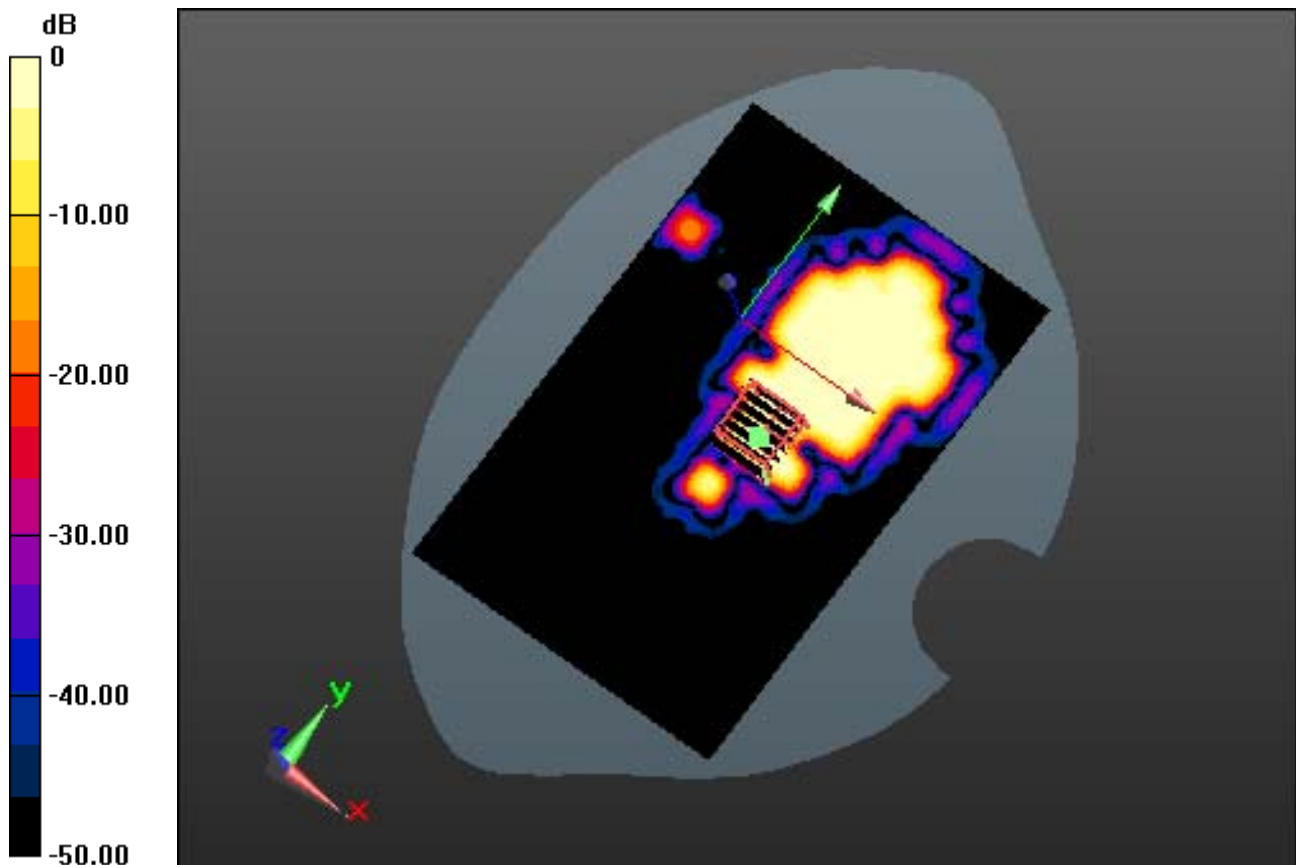
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.223 mW/g

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.0057 mW/g**



0 dB = 0.0292 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.277$  mho/m;  $\epsilon_r = 48.241$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4.31, 4.31, 4.31); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-10; Ambient Temp: 22.0; Tissue Temp: 22.5

**1 cm space from Body, Rear, W-LAN(802.11a-5.3G Band) Ch. 52, Ant Internal**

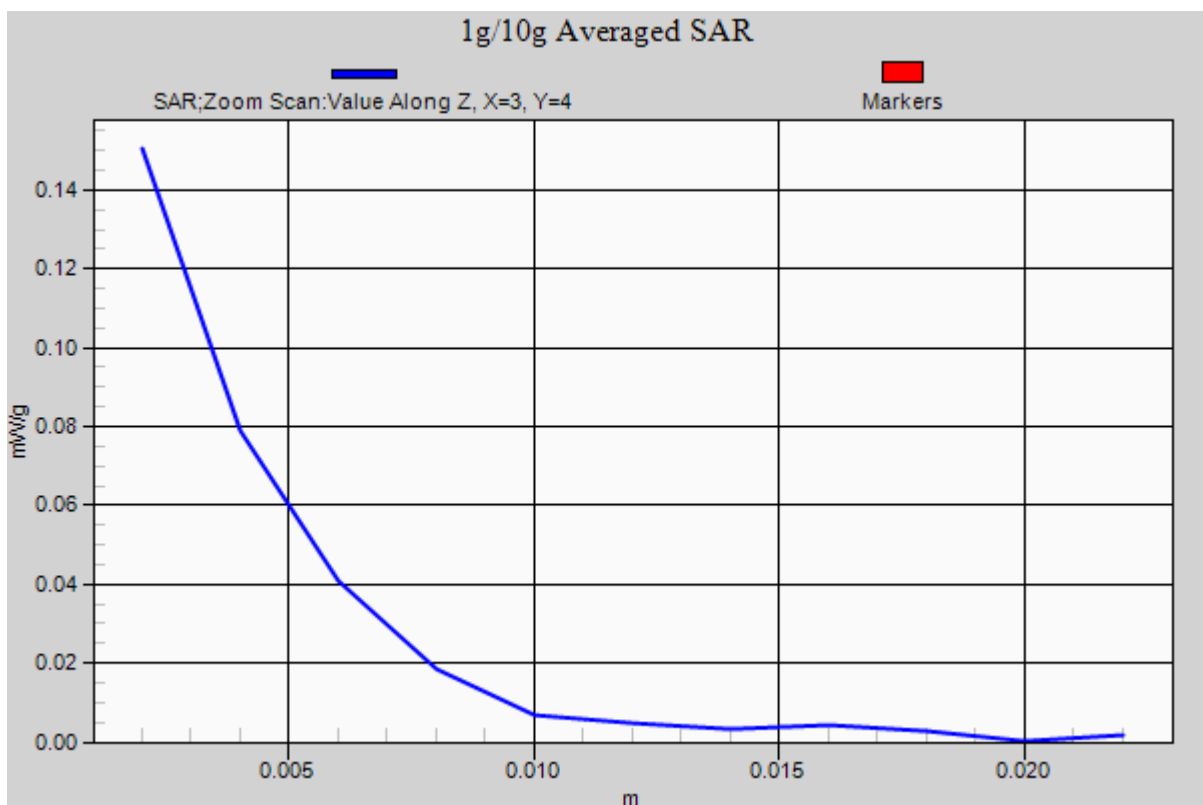
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.349 mW/g

**SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.030 mW/g**



# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.874$  mho/m;  $\epsilon_r = 47.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(3.94, 3.94, 3.94); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**1 cm space from Body, Front, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal**

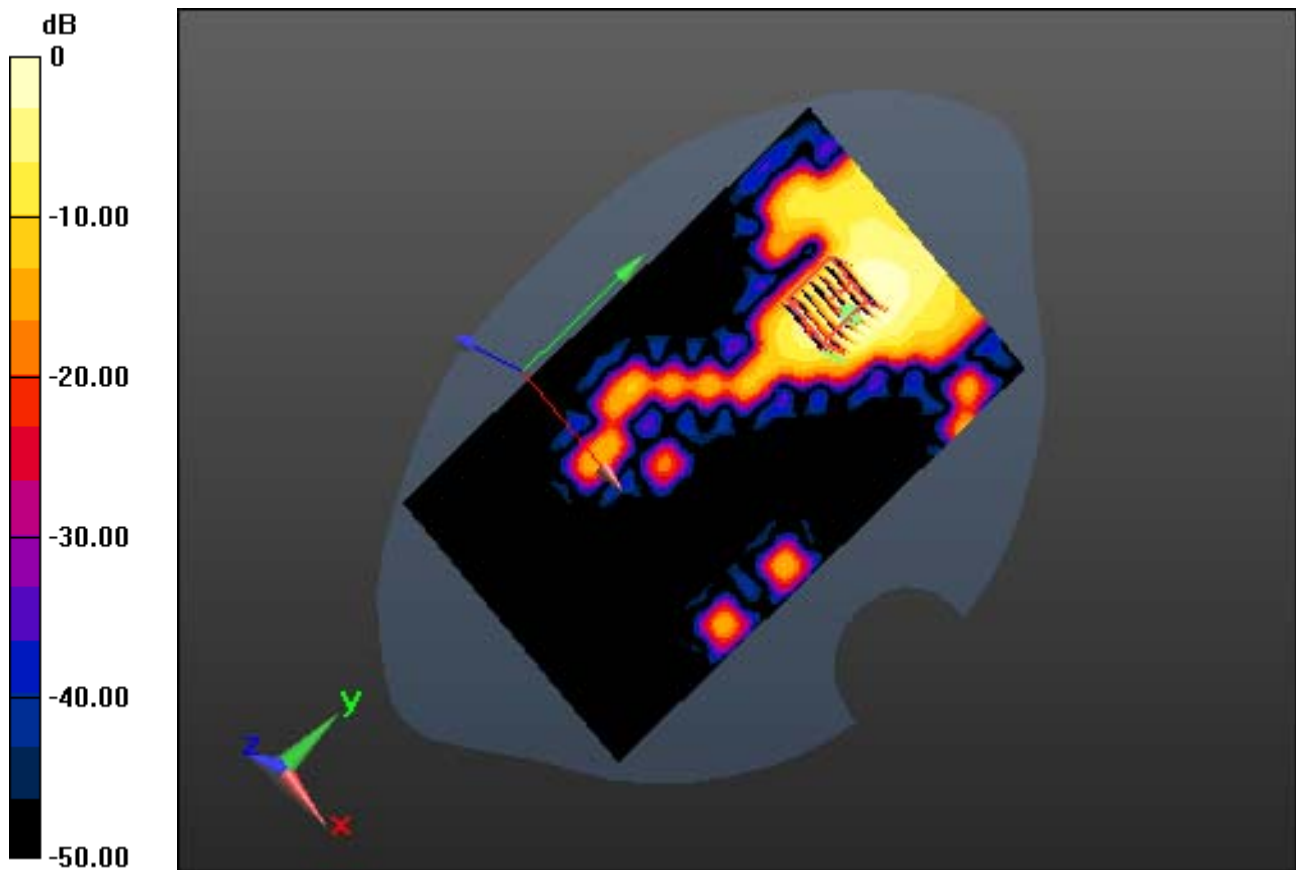
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.506 mW/g

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.068 mW/g**



0 dB = 0.353 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.874$  mho/m;  $\epsilon_r = 47.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(3.94, 3.94, 3.94); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**1 cm space from Body, Rear, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal**

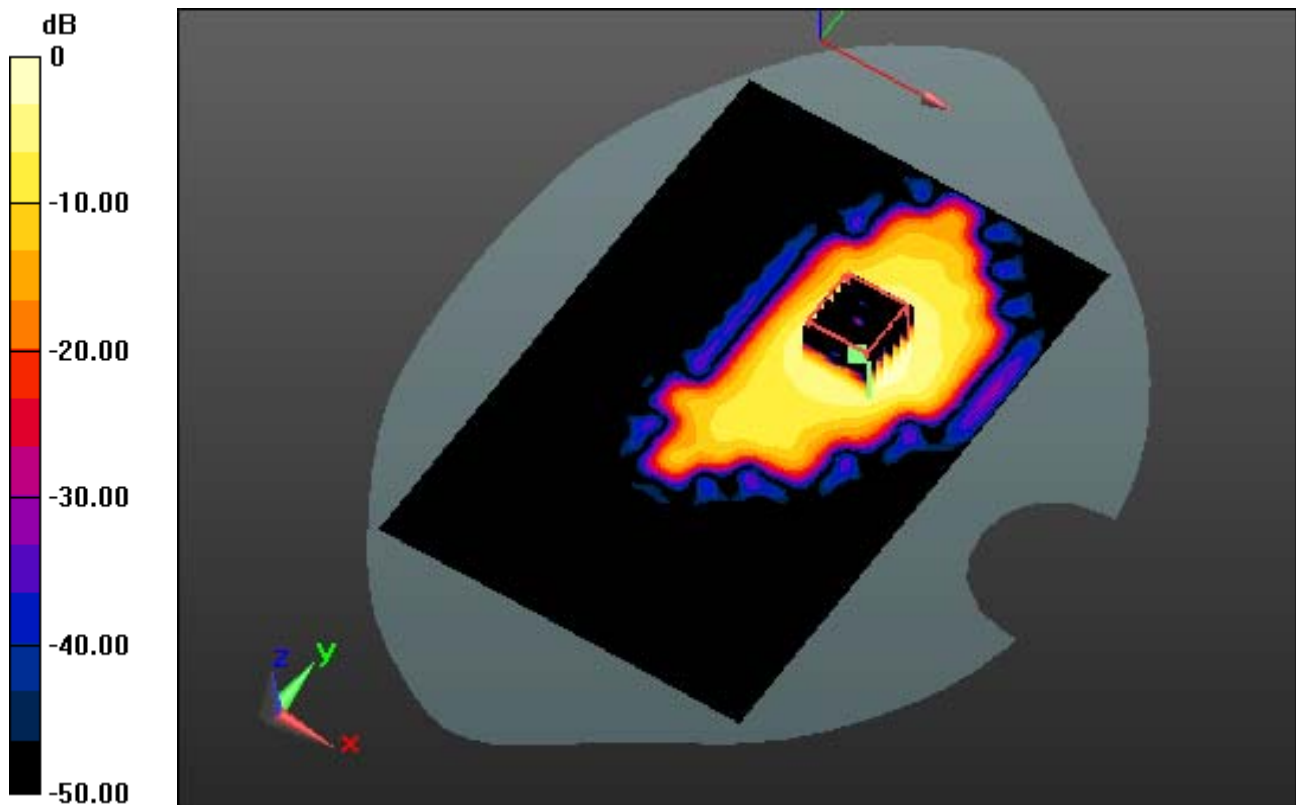
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.835 mW/g

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.084 mW/g



0 dB = 0.434 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5530 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.644$  mho/m;  $\epsilon_r = 47.808$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(4, 4, 4); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**1 cm space from Body, Rear, W-LAN(802.11ac VHT80-5.6G Band) Ch. 106, Ant Internal**

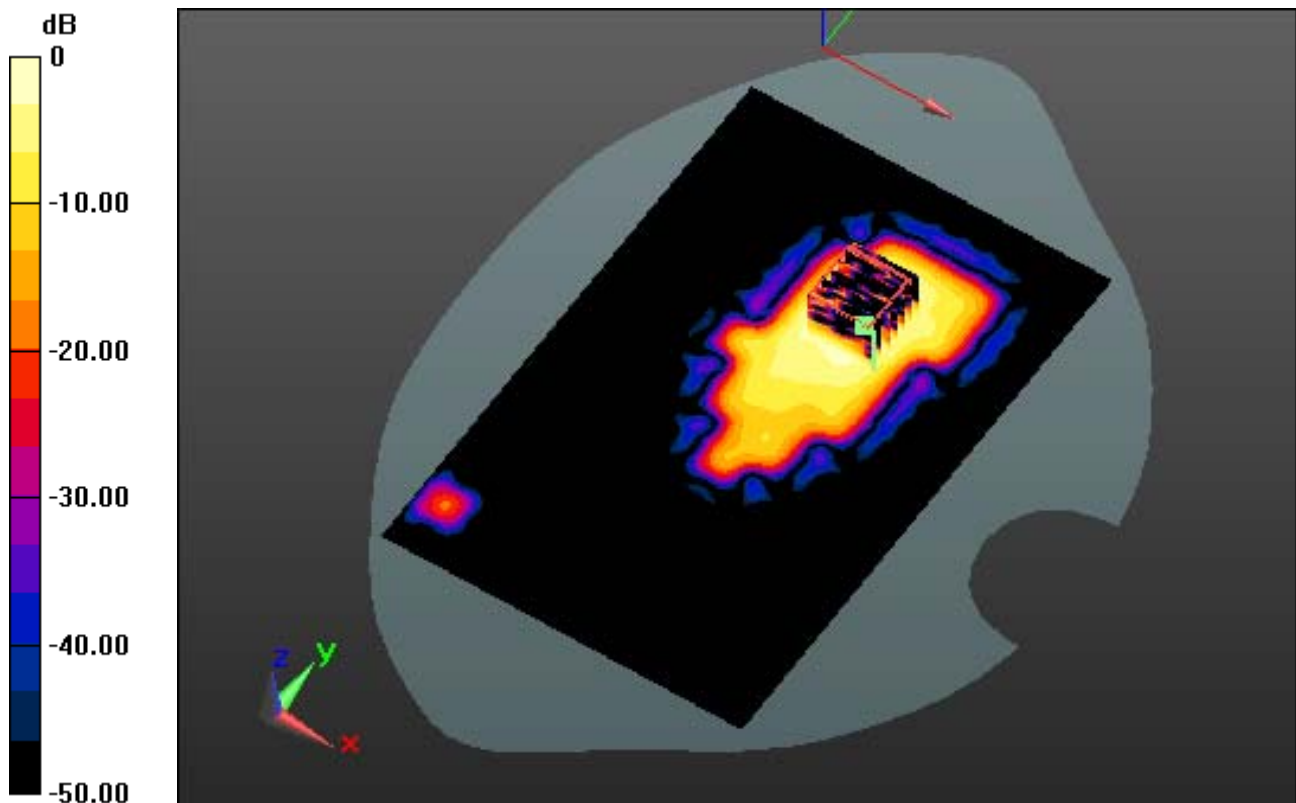
**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.609 mW/g

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.056 mW/g



0 dB = 0.361 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL22; Type: Bar**

Communication System: W-LAN\_5500 (0); Frequency: 5700 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.874$  mho/m;  $\epsilon_r = 47.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3930; ConvF(3.94, 3.94, 3.94); Calibrated: 2013-09-10; Electronics: DAE4 Sn1391  
Phantom: SAM-twin middle; Type: QD000P40CD; Serial: 1782  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-10-11; Ambient Temp: 22.3; Tissue Temp: 22.7

**1 cm space from Body, Rear, W-LAN(802.11a-5.6G Band) Ch. 140, Ant Internal**

**Area Scan (131x201x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.835 mW/g

**SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.084 mW/g**

