

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 41.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

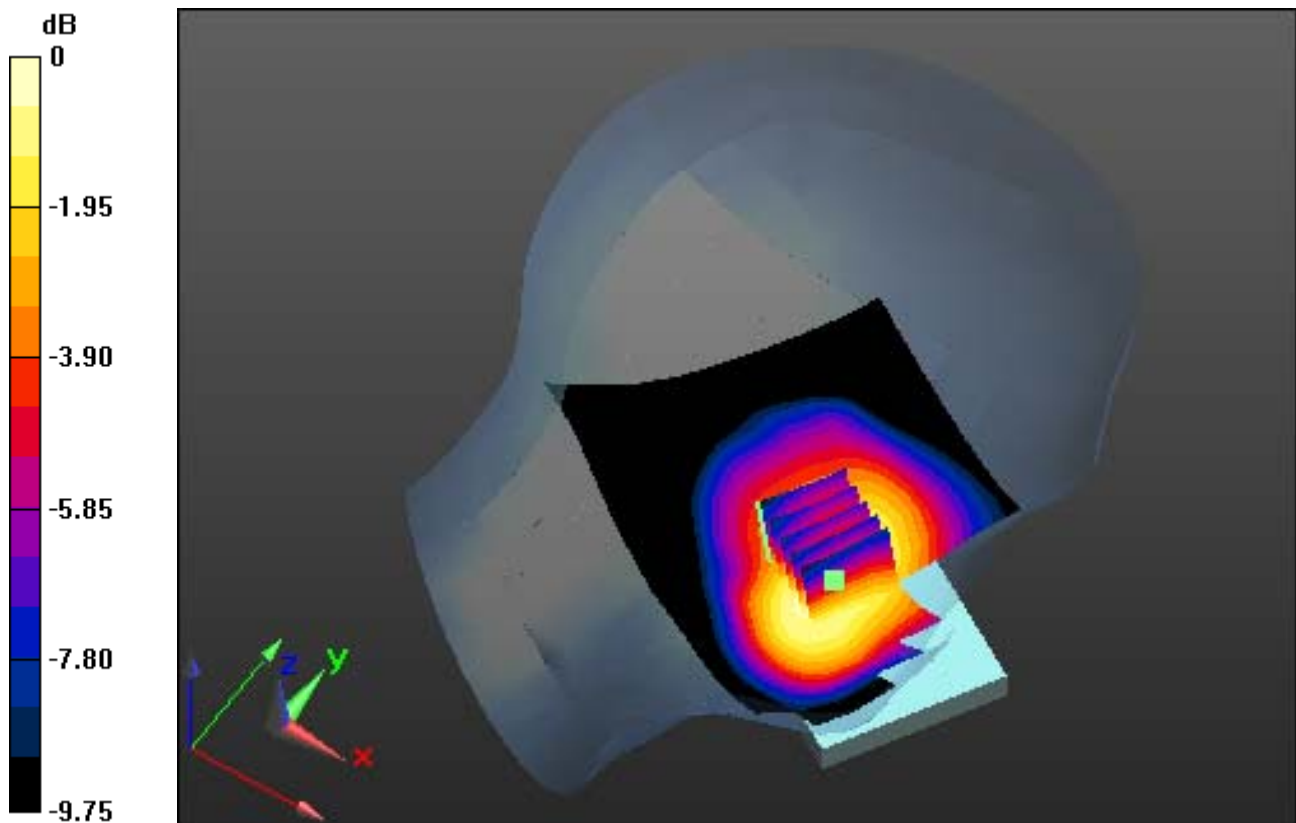
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp: 22.4

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 0.416 mW/g  
**SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.238 mW/g**



0 dB = 0.375 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 41.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

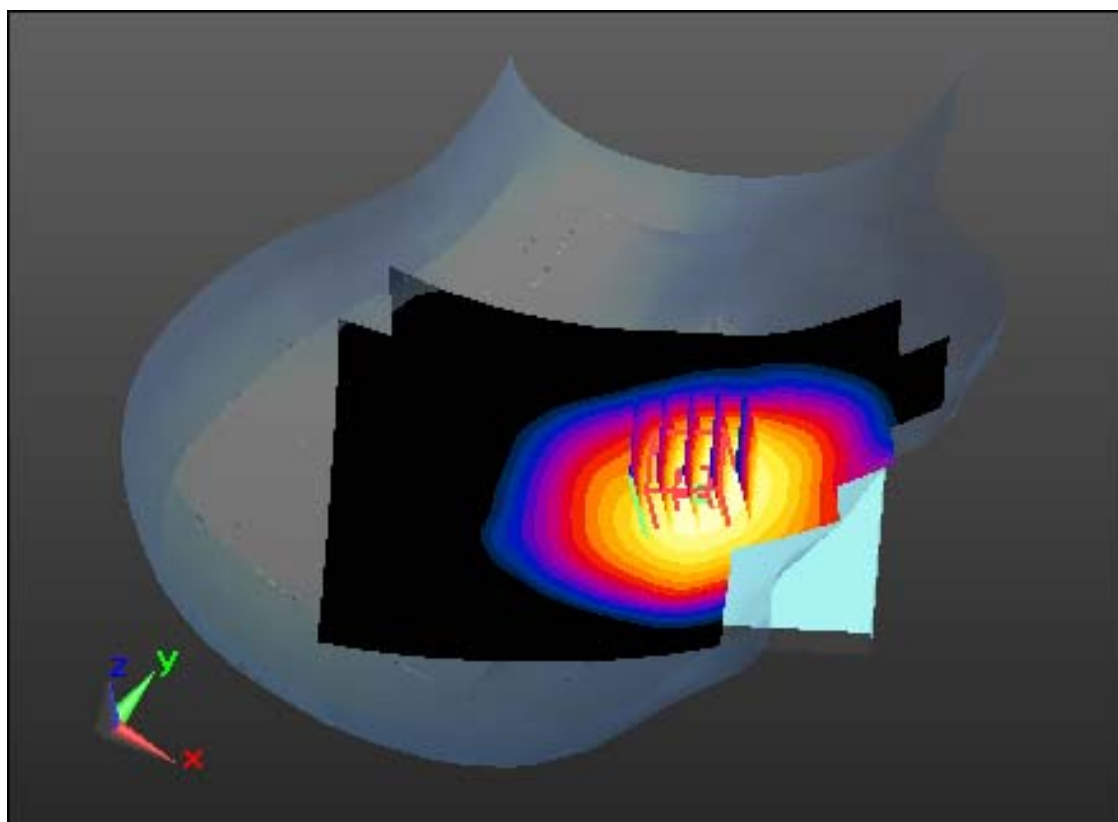
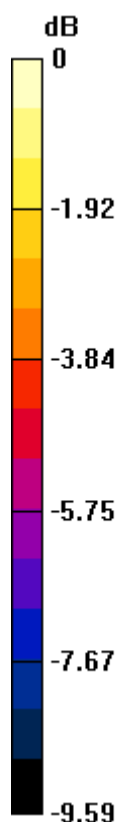
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp: 22.4

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.438 mW/g  
**SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.262 mW/g**



0 dB = 0.397 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 41.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp: 22.4

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

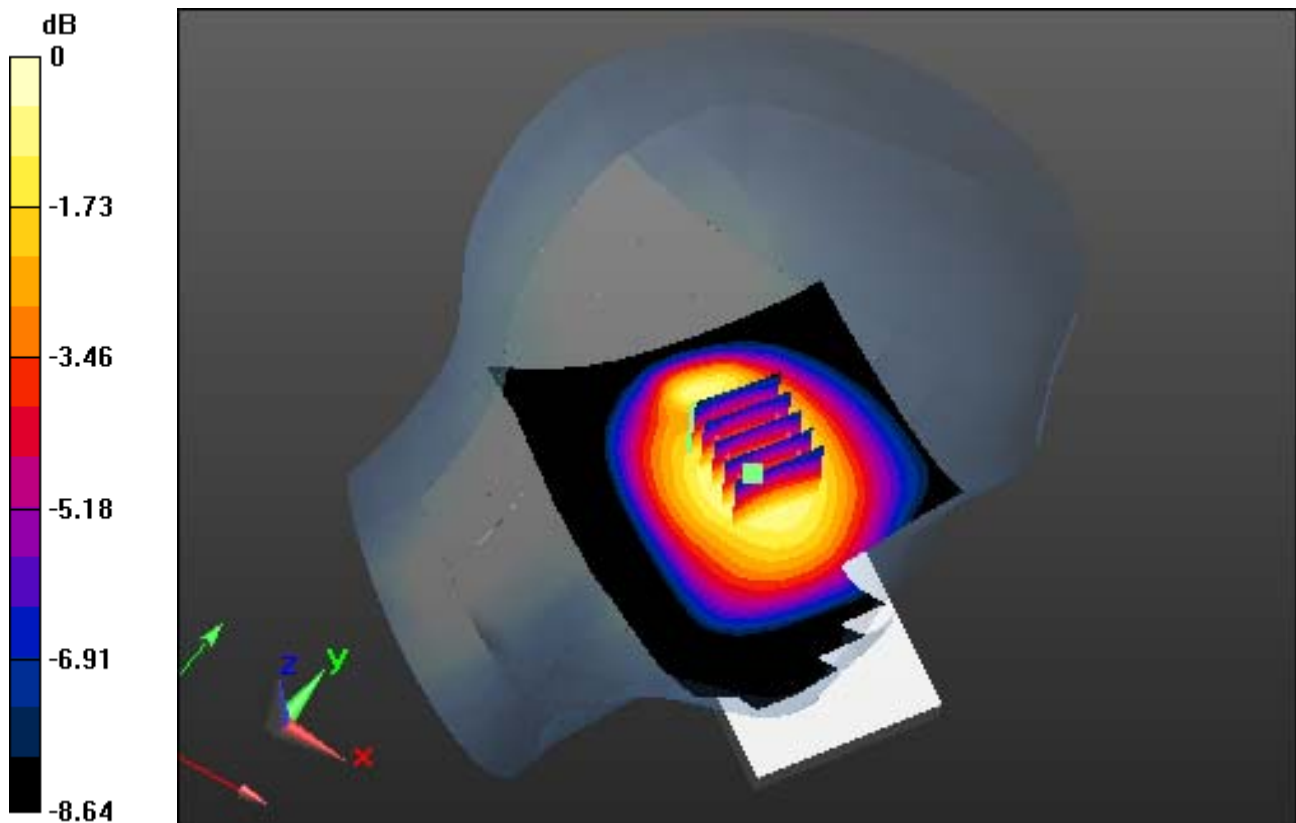
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.346 mW/g

**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.199 mW/g**



0 dB = 0.310 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.882$  mho/m;  $\epsilon_r = 41.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

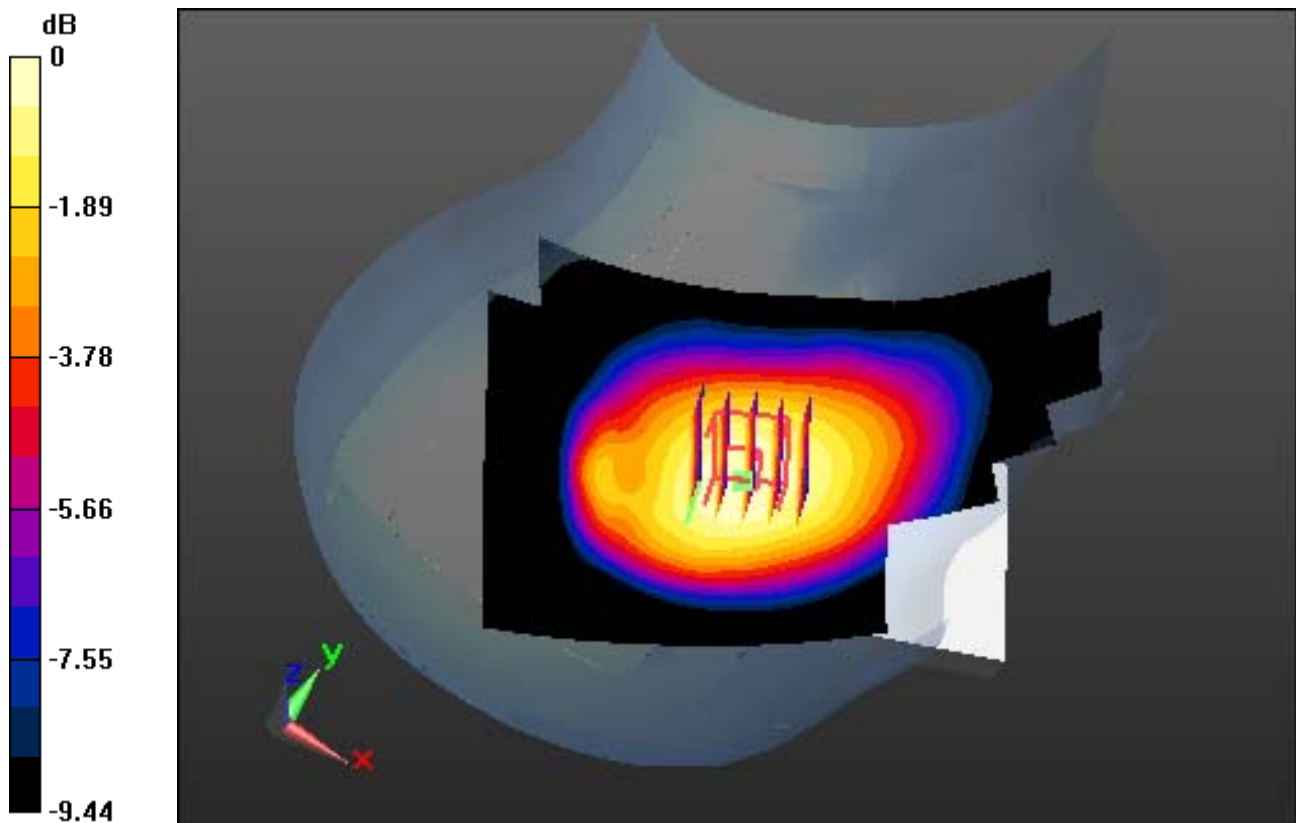
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp: 22.4

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.324 mW/g  
**SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.189 mW/g**



0 dB = 0.291 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  mho/m;  $\epsilon_r = 40.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

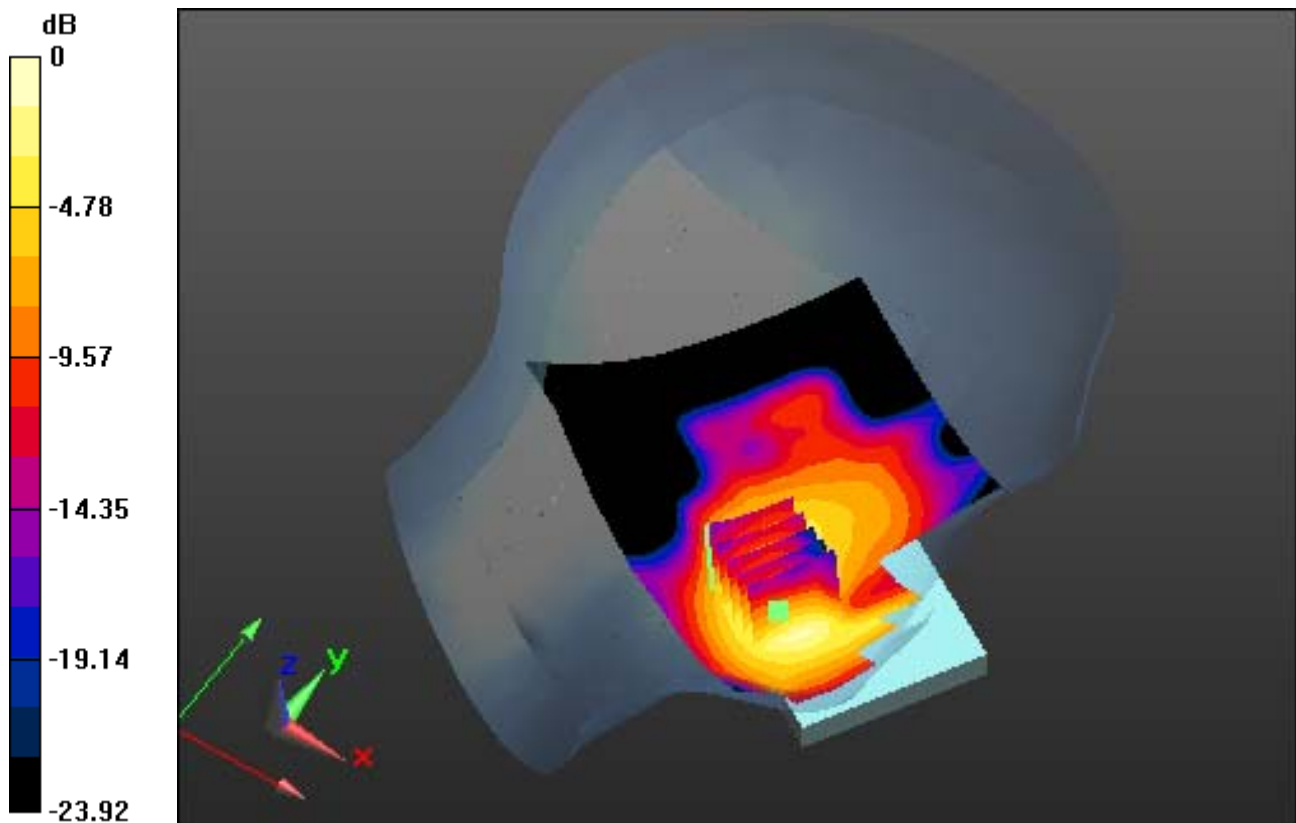
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp: 22.3

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.308 mW/g  
**SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.114 mW/g**



0 dB = 0.255 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  mho/m;  $\epsilon_r = 40.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

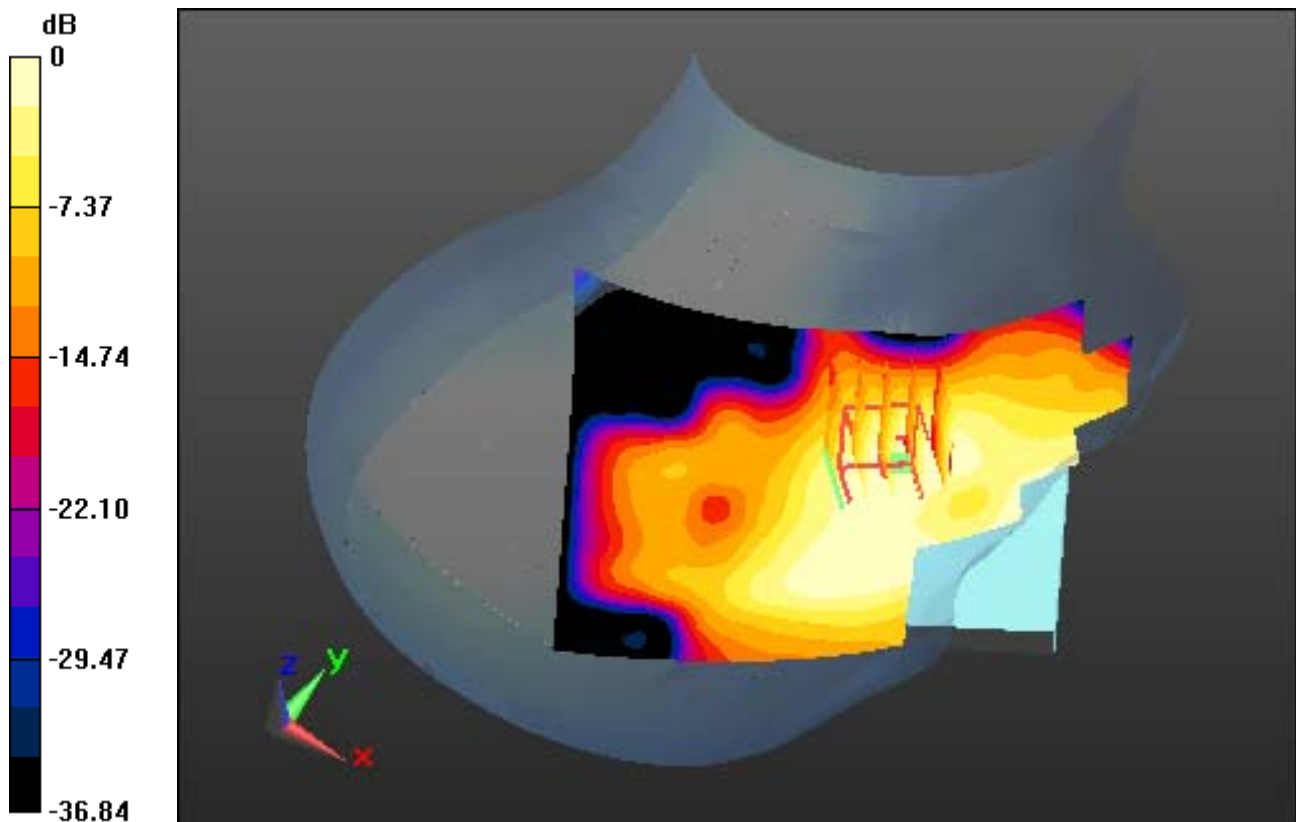
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp: 22.3

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.221 mW/g  
**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.086 mW/g**



0 dB = 0.180 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  mho/m;  $\epsilon_r = 40.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

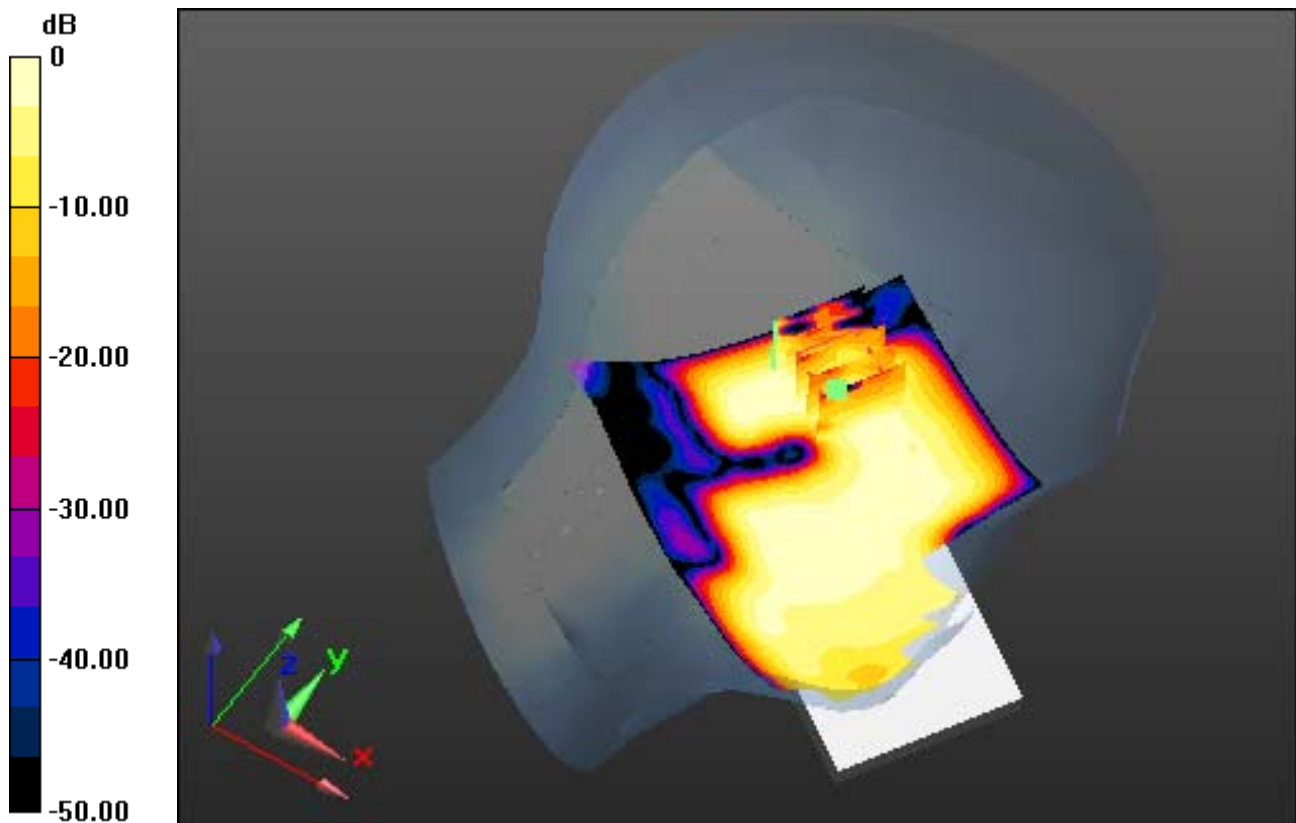
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp: 22.3

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.057 mW/g  
**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.013 mW/g**



0 dB = 0.0397 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.417$  mho/m;  $\epsilon_r = 40.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

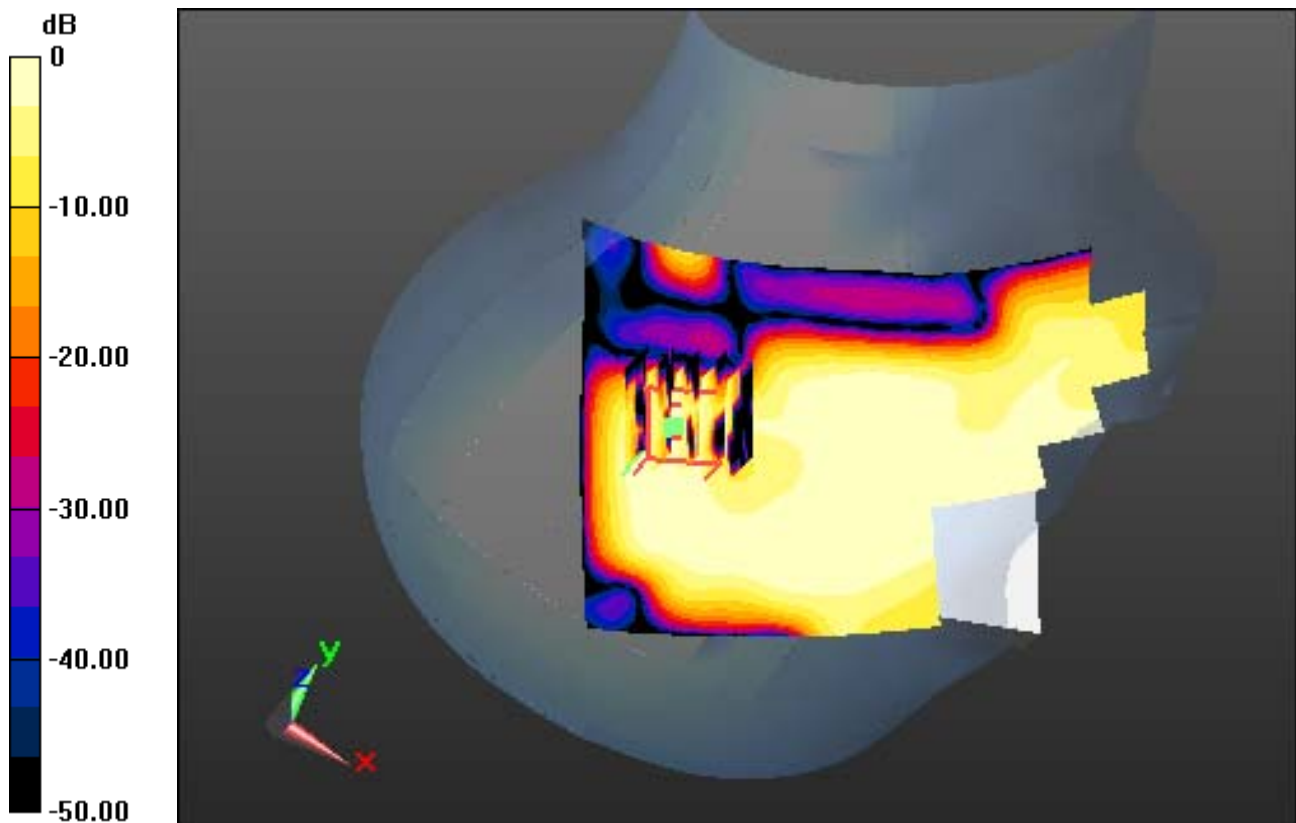
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp: 22.3

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.033 mW/g  
**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00672 mW/g**



0 dB = 0.0207 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; 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;  $\epsilon_r = 40.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp: 22.7

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

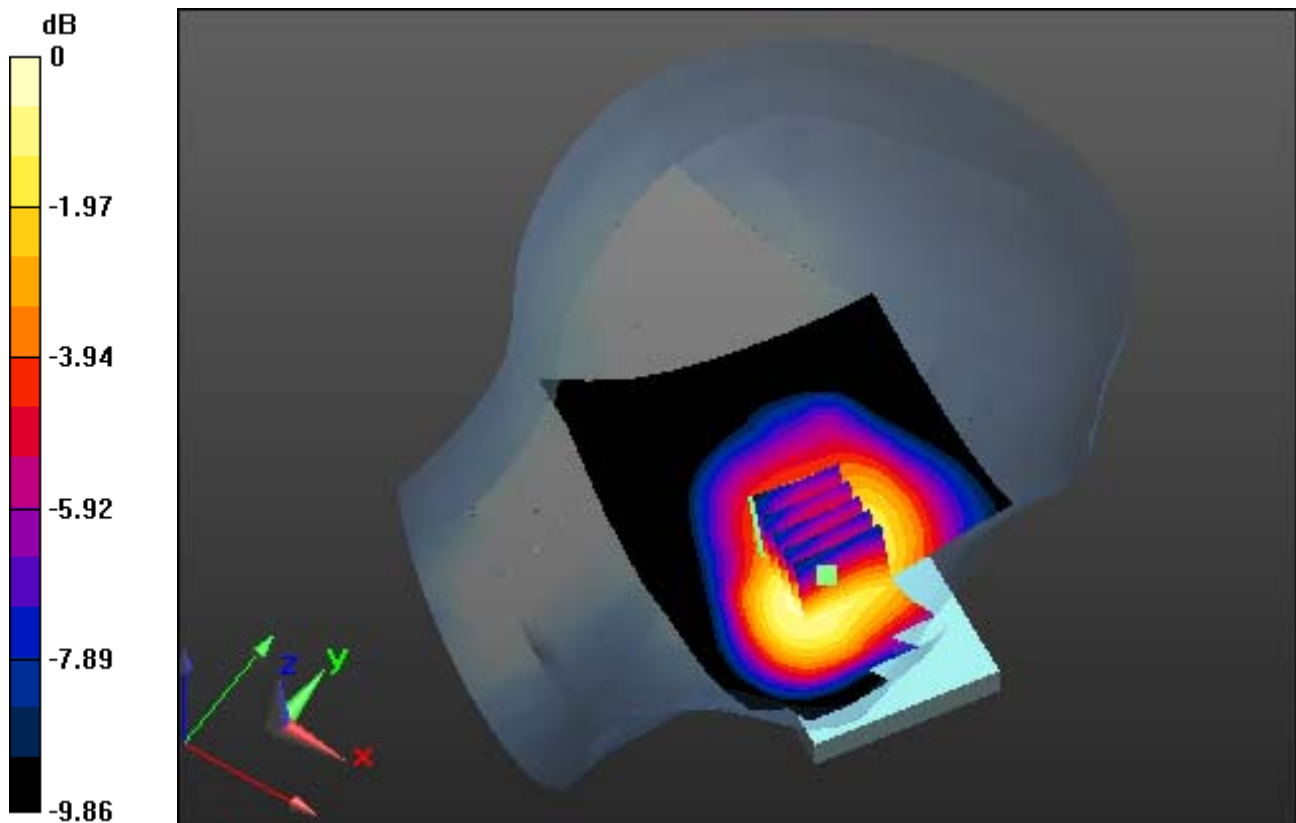
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.423 mW/g

**SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.244 mW/g**



0 dB = 0.386 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; 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;  $\epsilon_r = 40.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp:22.7

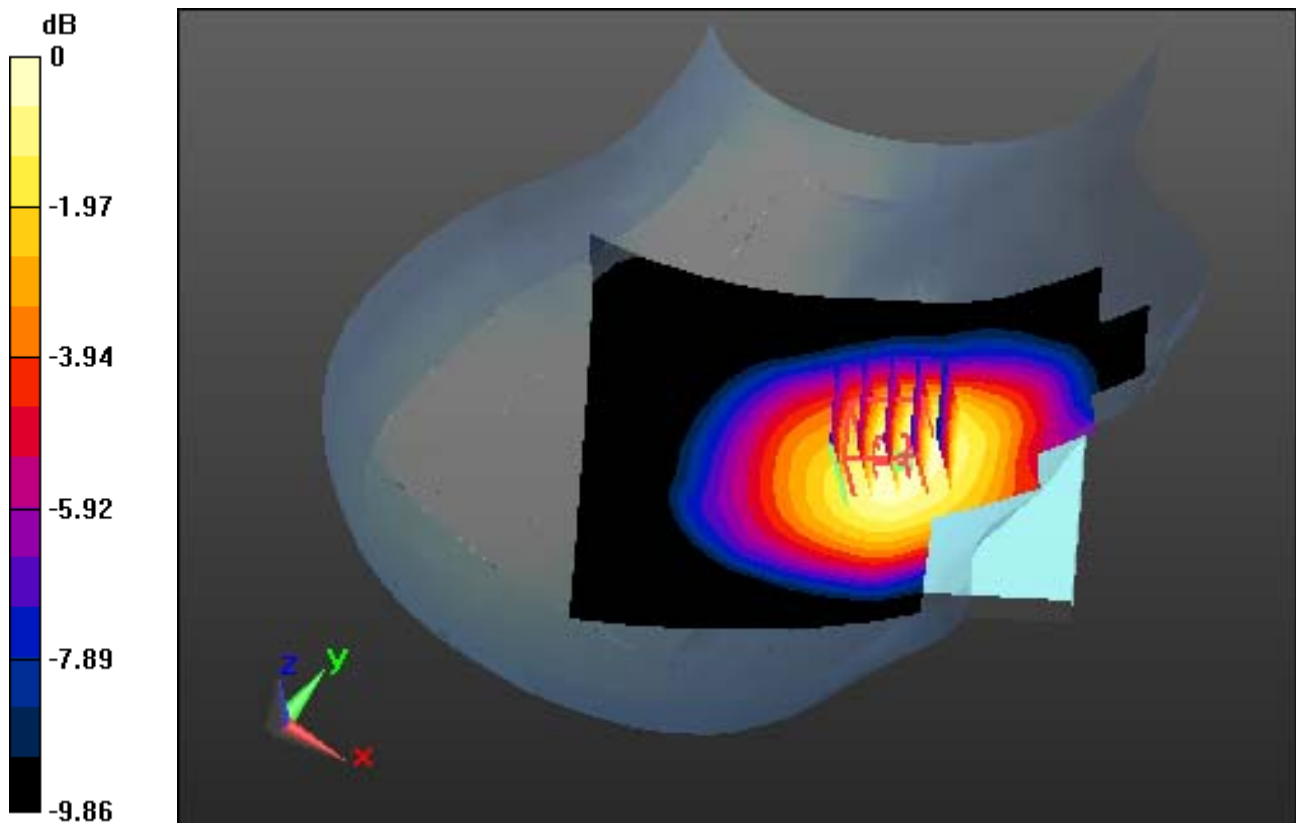
**Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.444 mW/g

**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.264 mW/g**



0 dB = 0.405 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; 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;  $\epsilon_r = 40.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

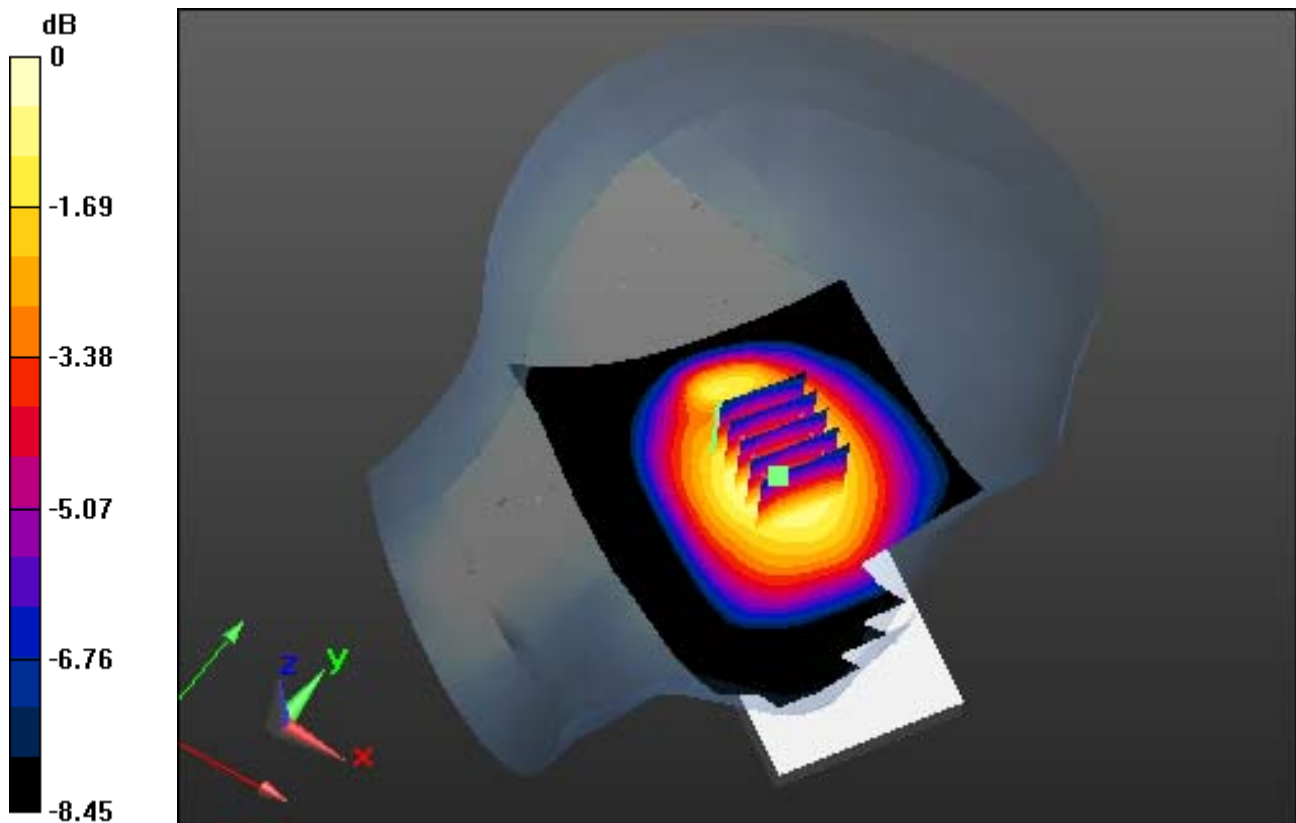
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp: 22.7

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 0.345 mW/g  
**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.201 mW/g**



0 dB = 0.309 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; 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;  $\epsilon_r = 40.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp: 22.7

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

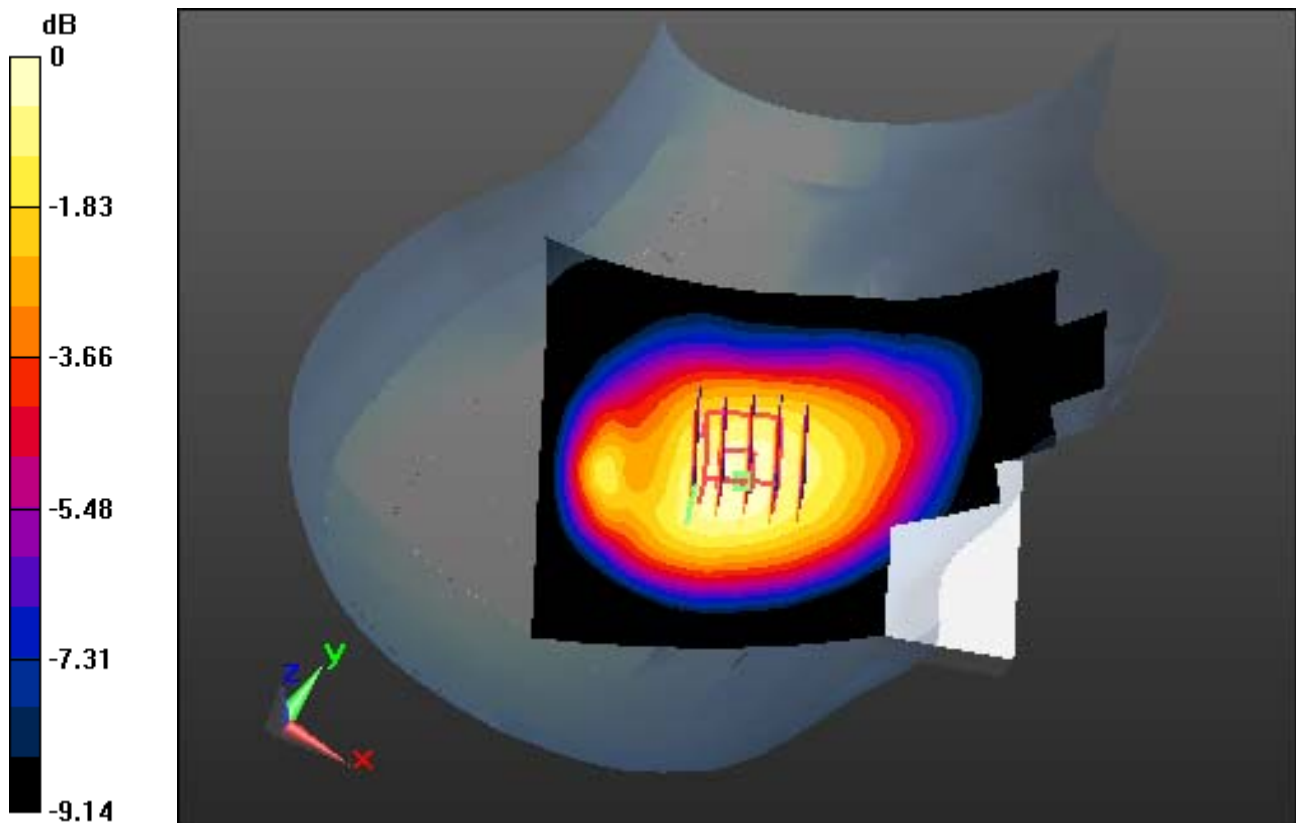
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.308 mW/g

**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.178 mW/g**



0 dB = 0.279 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp: 22.5

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

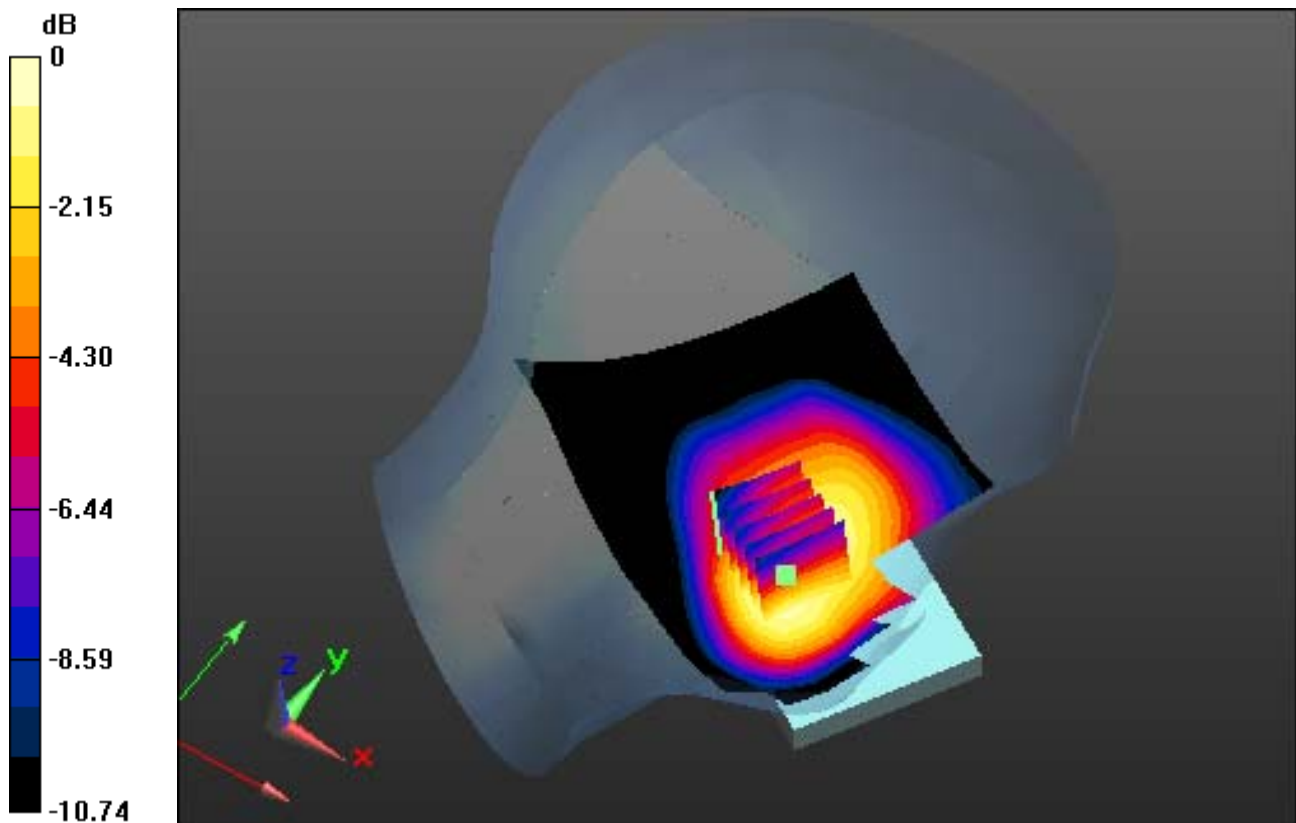
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.436 mW/g

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.257 mW/g**



0 dB = 0.395 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

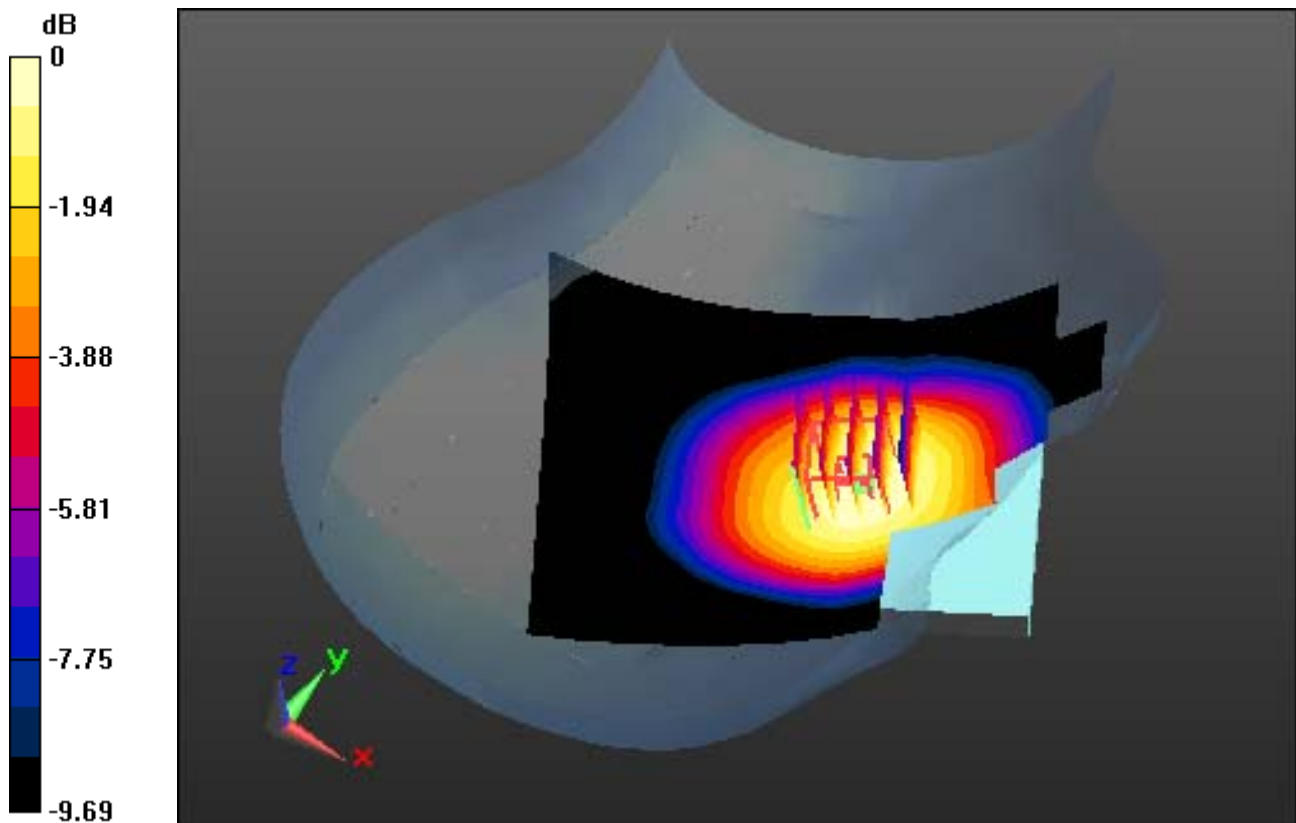
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp: 22.5

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 0.433 mW/g  
**SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.278 mW/g**



0 dB = 0.399 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp: 22.5

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

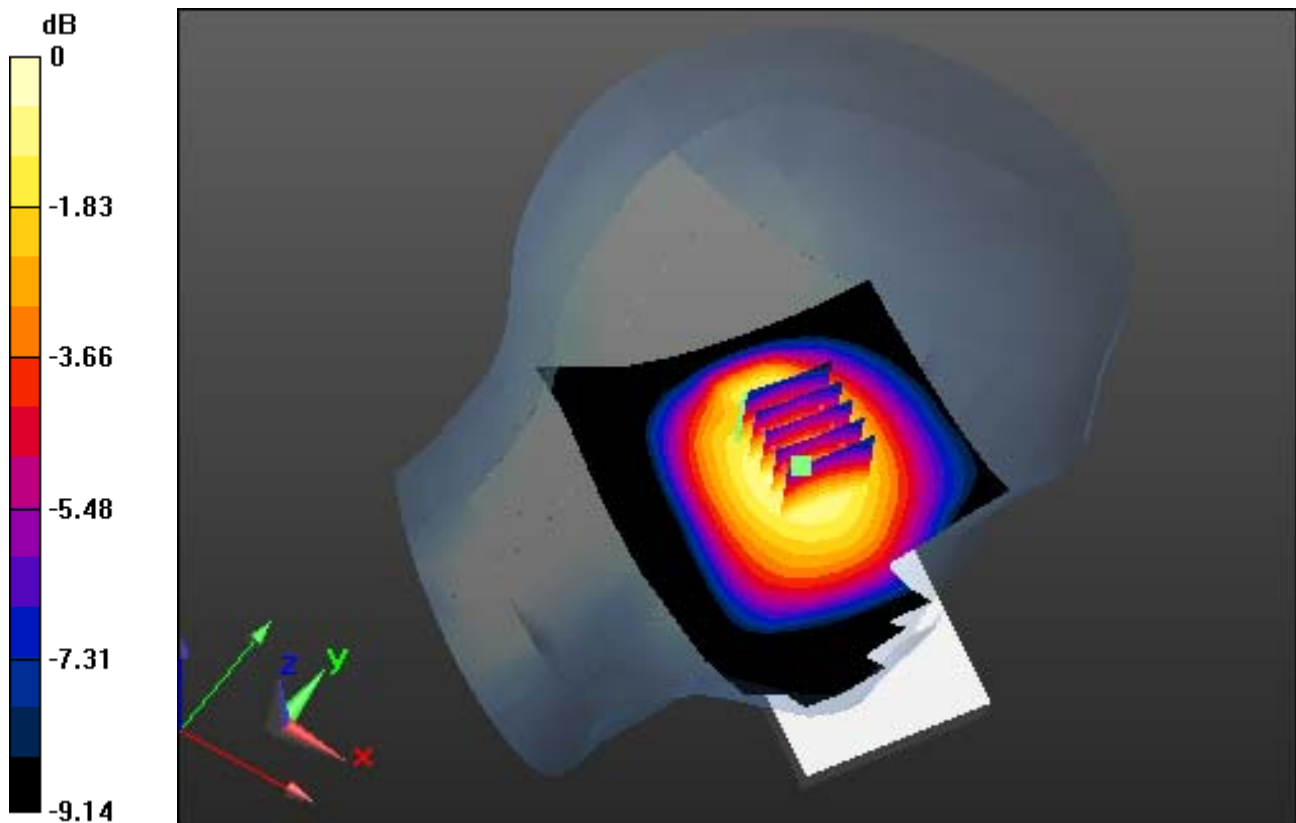
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.263 mW/g

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.155 mW/g**



0 dB = 0.240 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp: 22.5

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

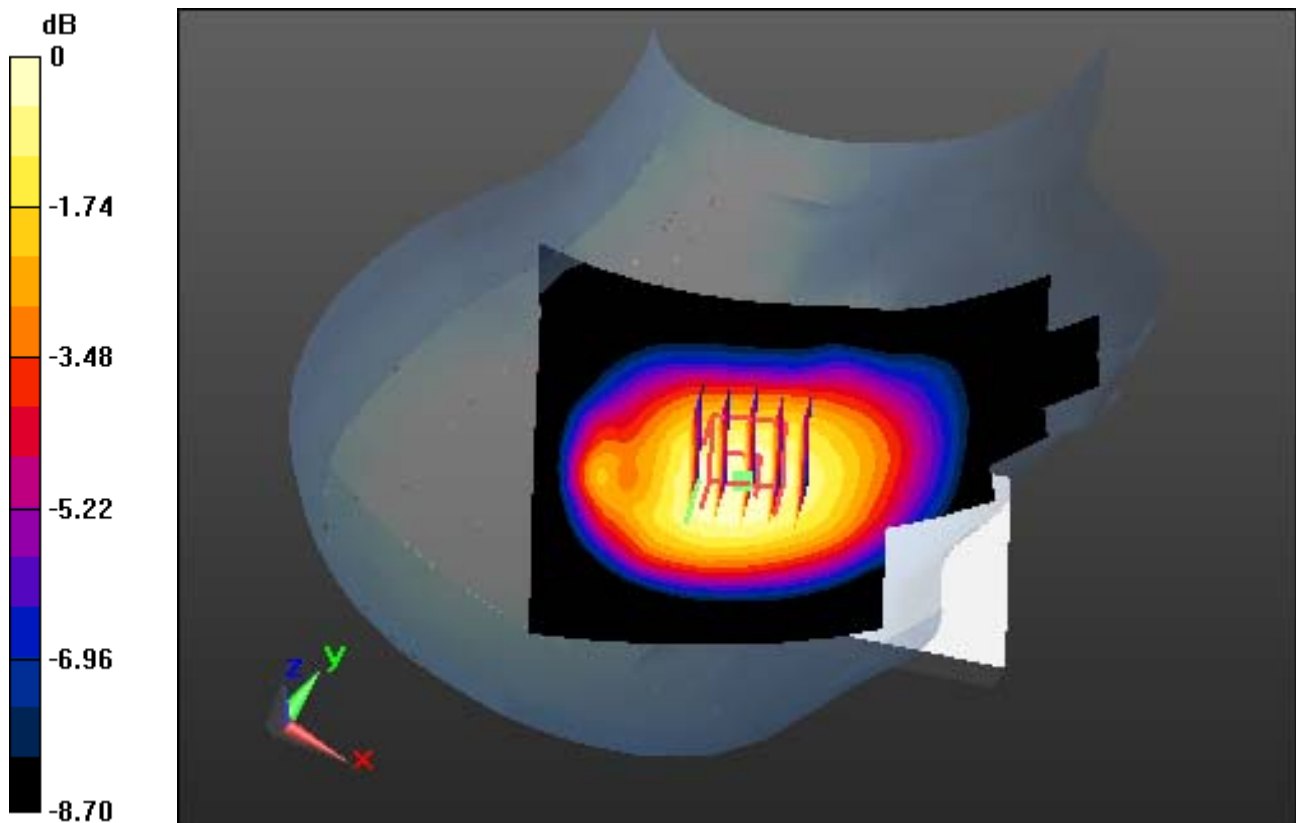
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.314 mW/g

**SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.190 mW/g**



0 dB = 0.285 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.735$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

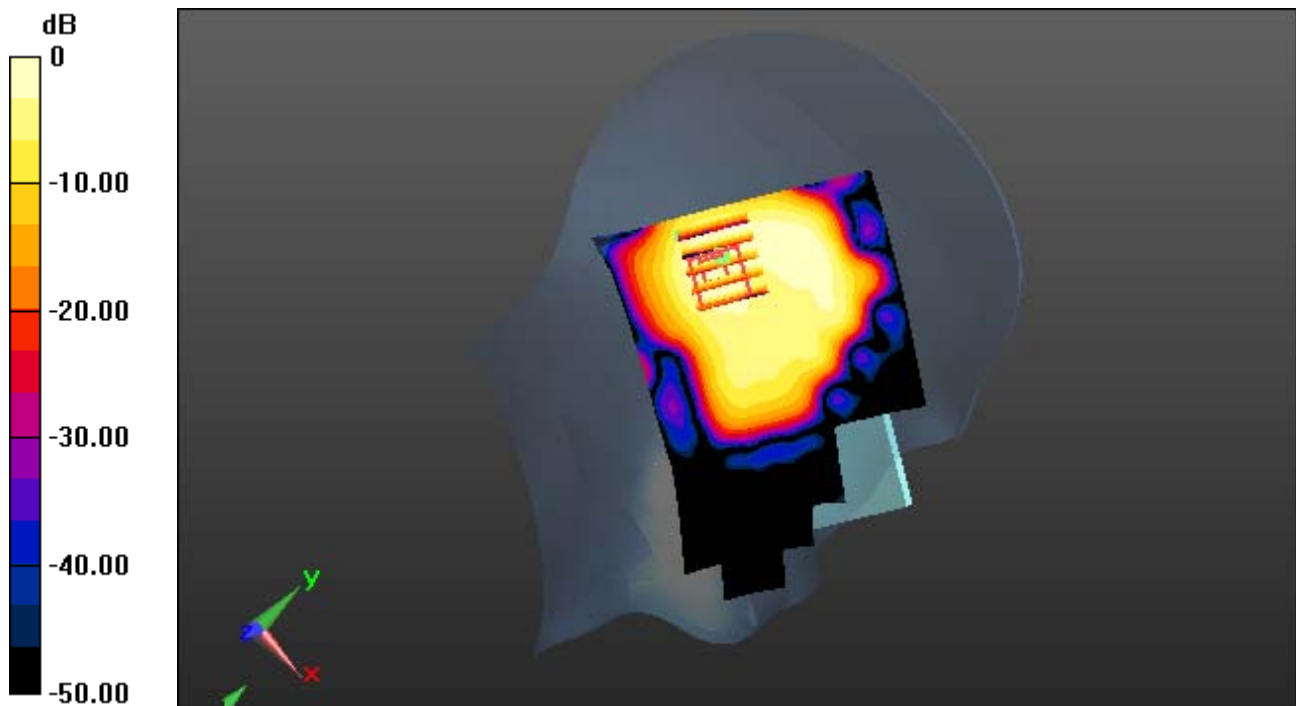
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2 Tissue Temp: 22.4

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.302 mW/g  
**SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.065 mW/g**



0 dB = 0.200 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.735$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

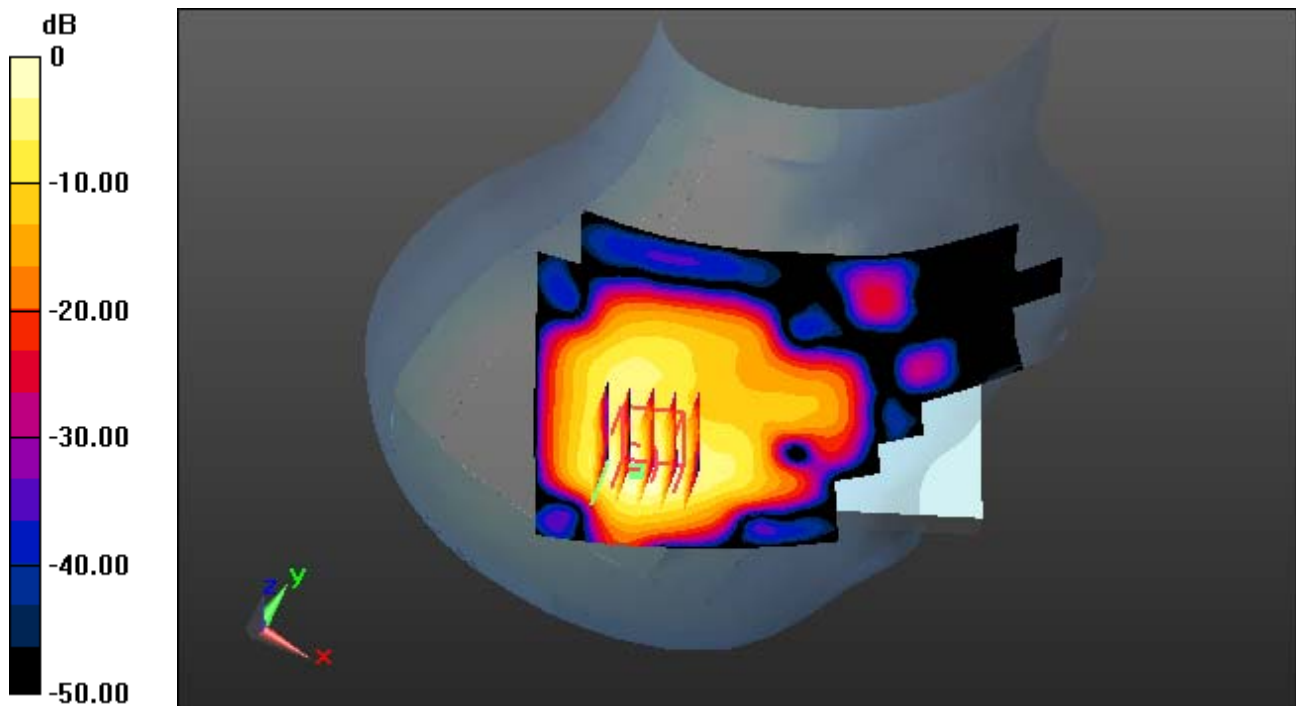
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2 Tissue Temp: 22.4

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.653 mW/g  
**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.118 mW/g**



0 dB = 0.459 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.735$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

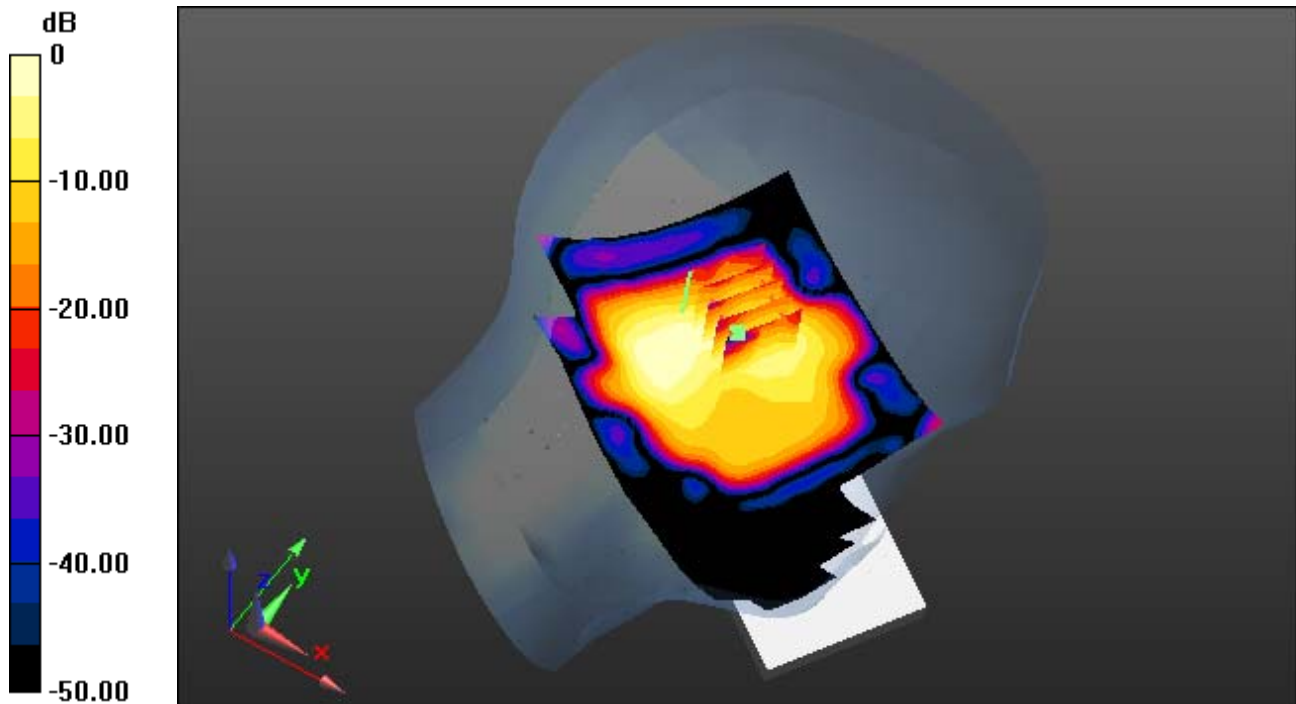
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2 Tissue Temp: 22.4

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

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.363 mW/g  
**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.081 mW/g**



0 dB = 0.269 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.735$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

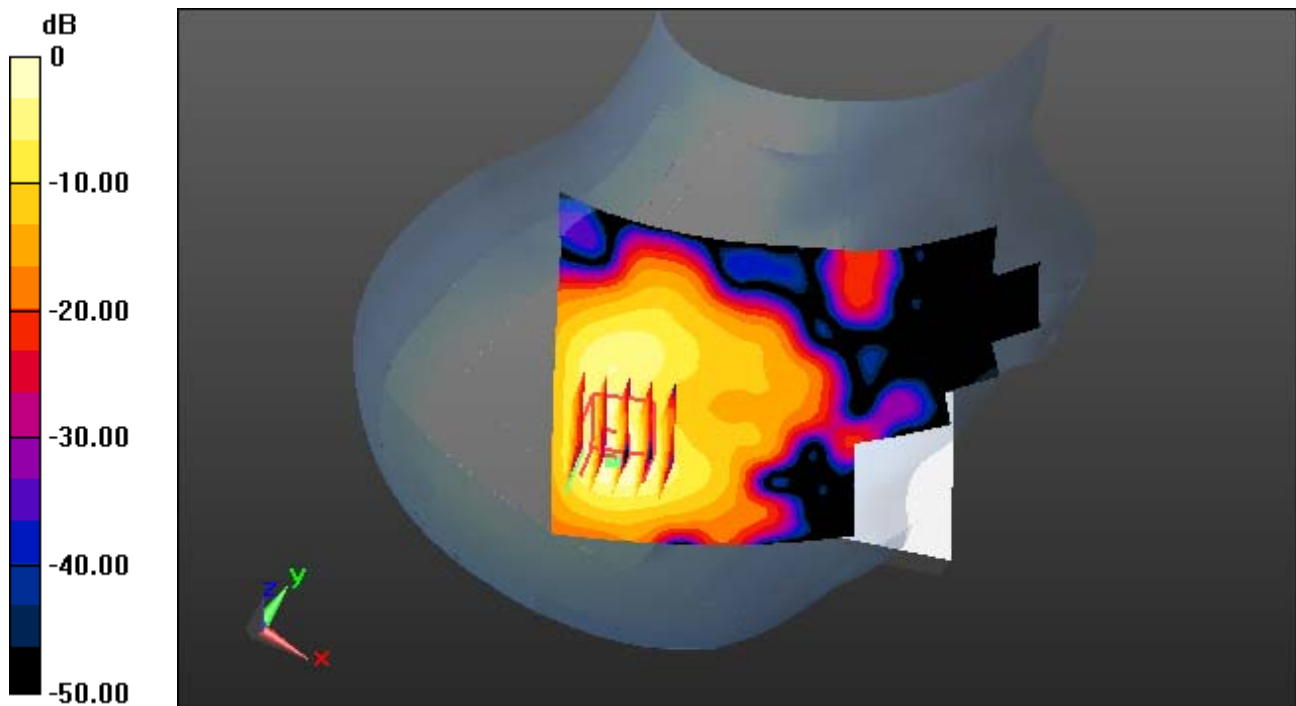
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2 Tissue Temp: 22.4

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

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.538 mW/g  
**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.102 mW/g**



0 dB = 0.378 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5200; Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.633$  mho/m;  $\epsilon_r = 35.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

**Left Touch, W-LAN(802.11a - 5.2 G Band) Ch. 36, Ant Internal, Standard Battery**

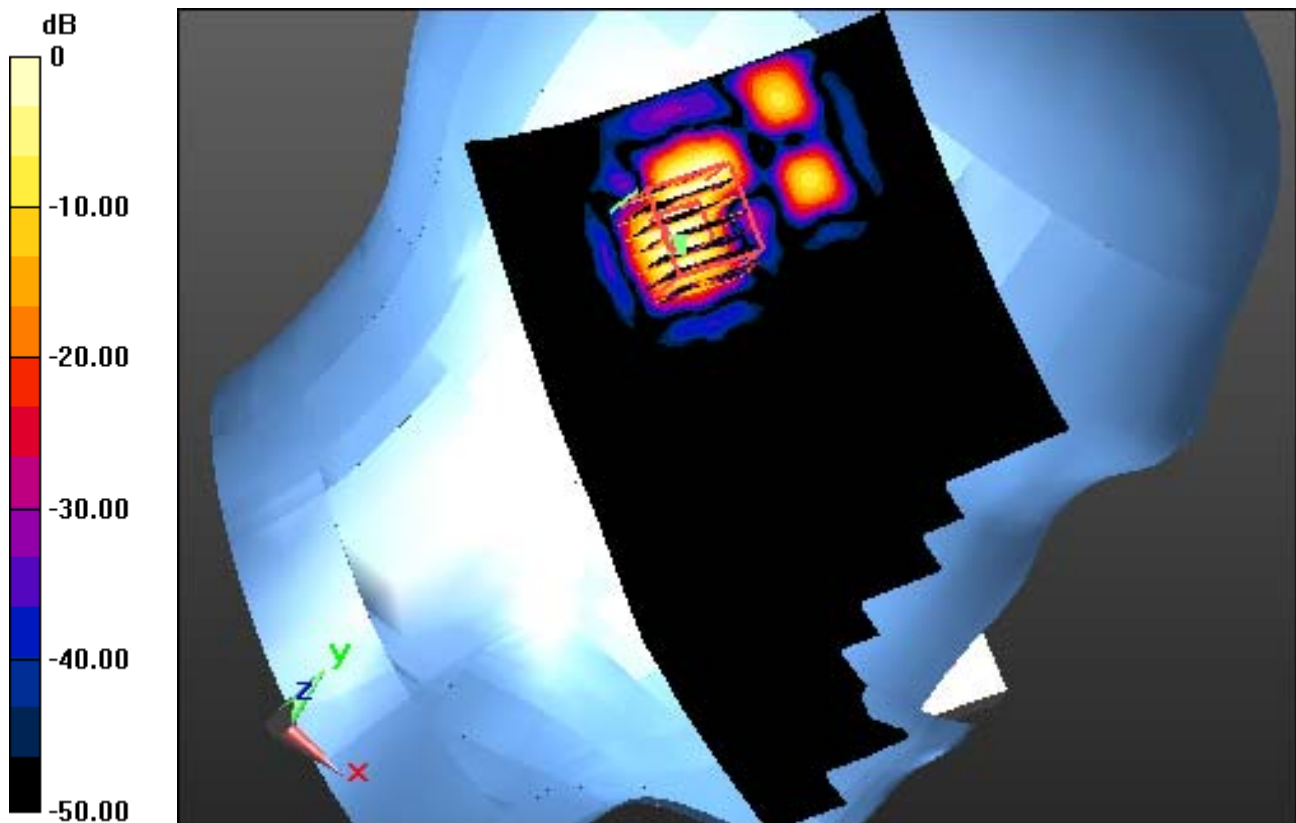
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.245 mW/g

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



0 dB = 0.146 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5200; Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.633$  mho/m;  $\epsilon_r = 35.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

**Right Touch, W-LAN(802.11a - 5.2 G Band) Ch. 36, Ant Internal, Standard Battery**

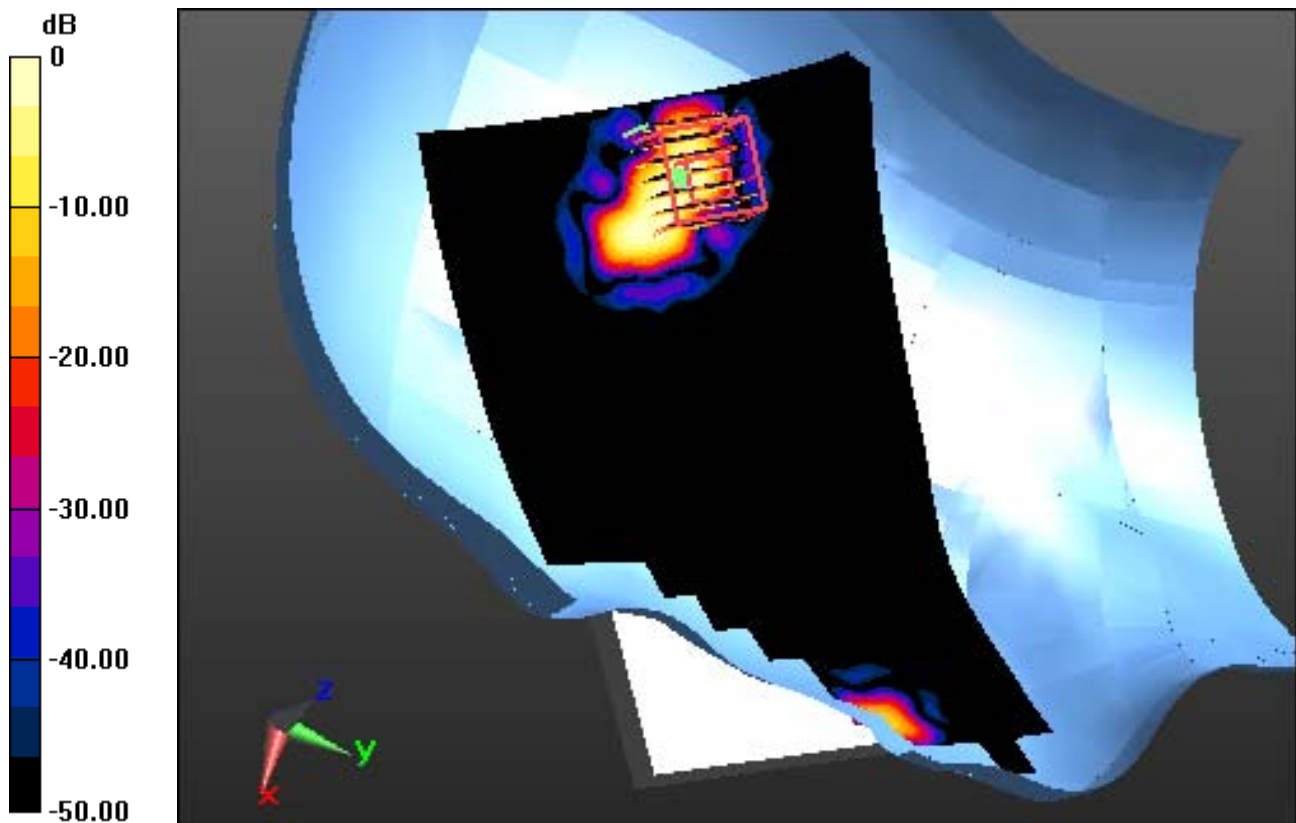
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.368 mW/g

**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.015 mW/g**



0 dB = 0.112 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5200; Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.633$  mho/m;  $\epsilon_r = 35.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

**Left Tilt, W-LAN(802.11a - 5.2 G Band) Ch. 36, Ant Internal, Standard Battery**

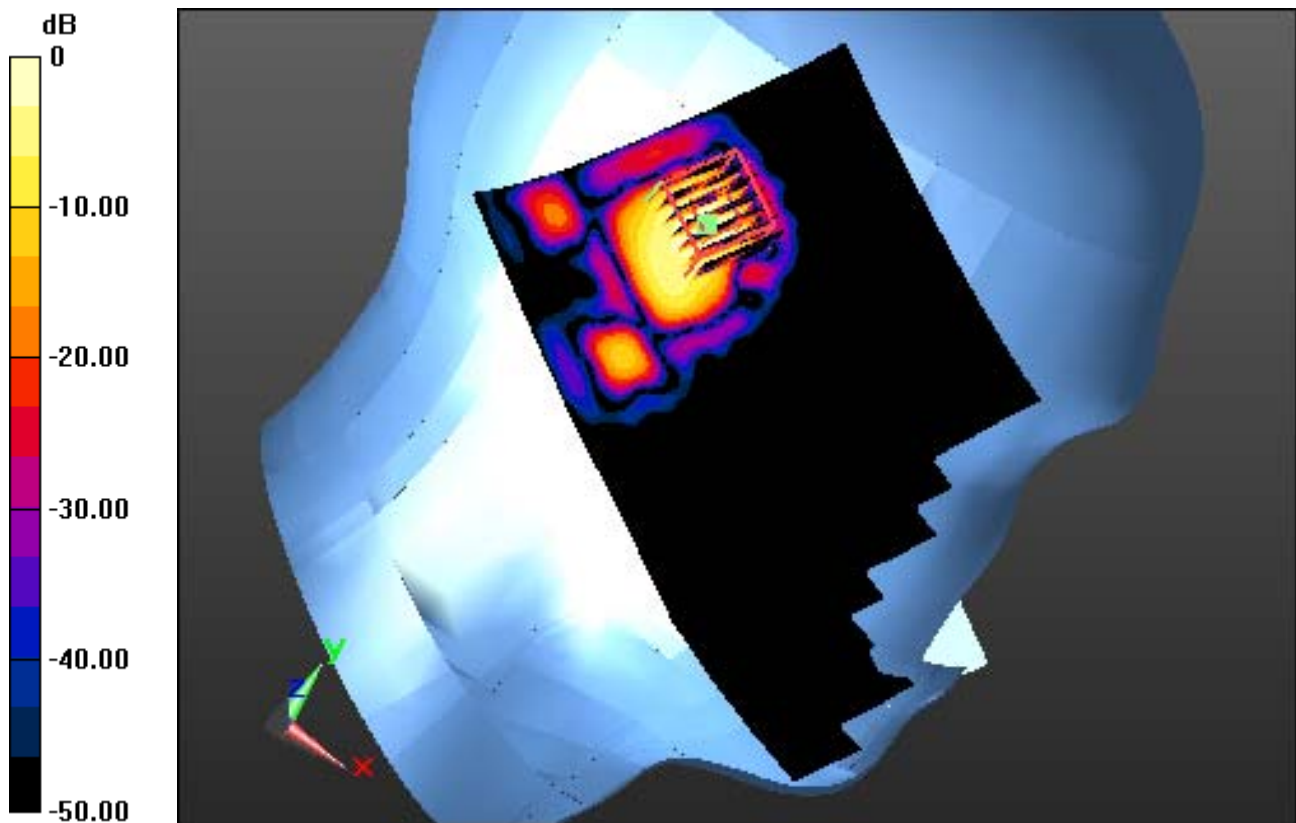
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.604 mW/g

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.026 mW/g**



0 dB = 0.256 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5200; Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.633$  mho/m;  $\epsilon_r = 35.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.94, 4.94, 4.94); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

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

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

## **Right Tilt, W-LAN(802.11a - 5.2 G Band) Ch. 36, Ant Internal, Standard Battery**

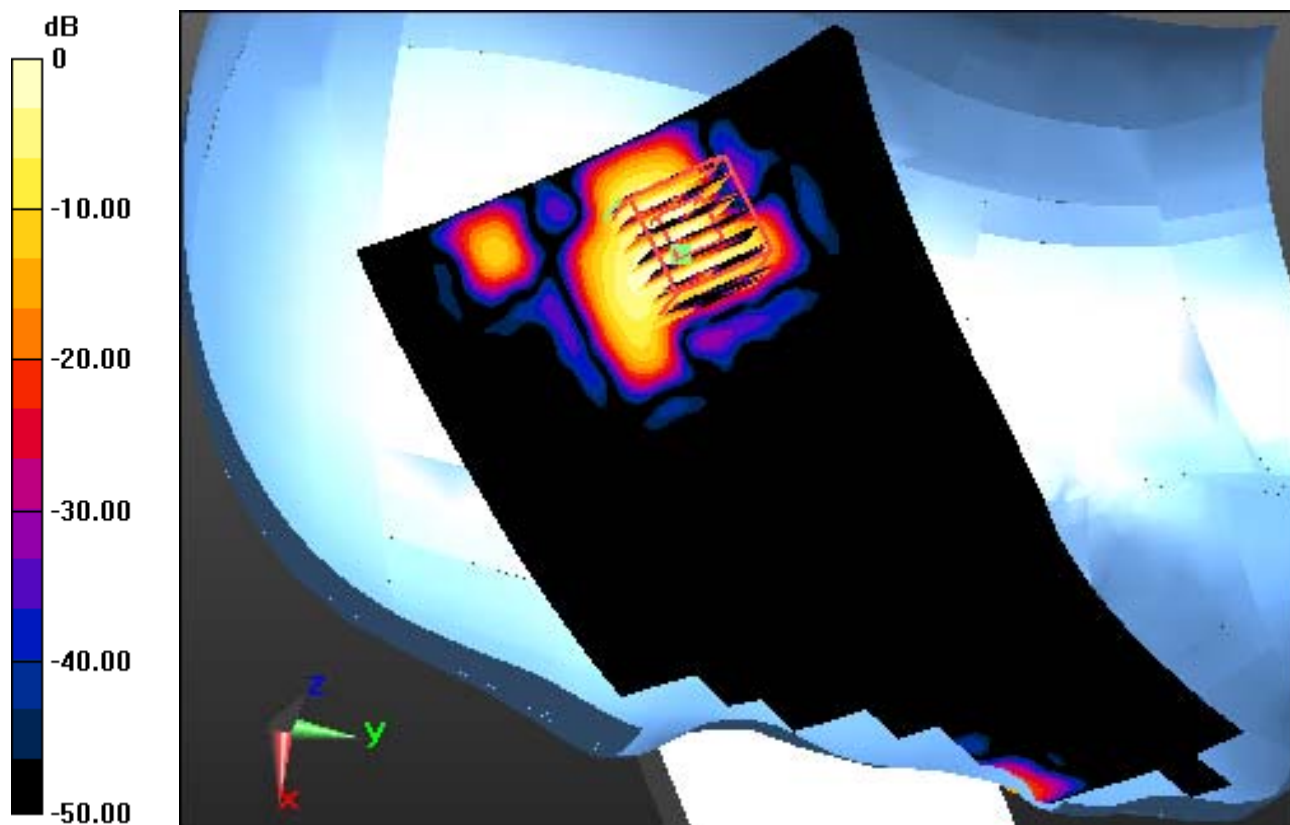
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.492 mW/g

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.206 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5300; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.767$  mho/m;  $\epsilon_r = 35.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

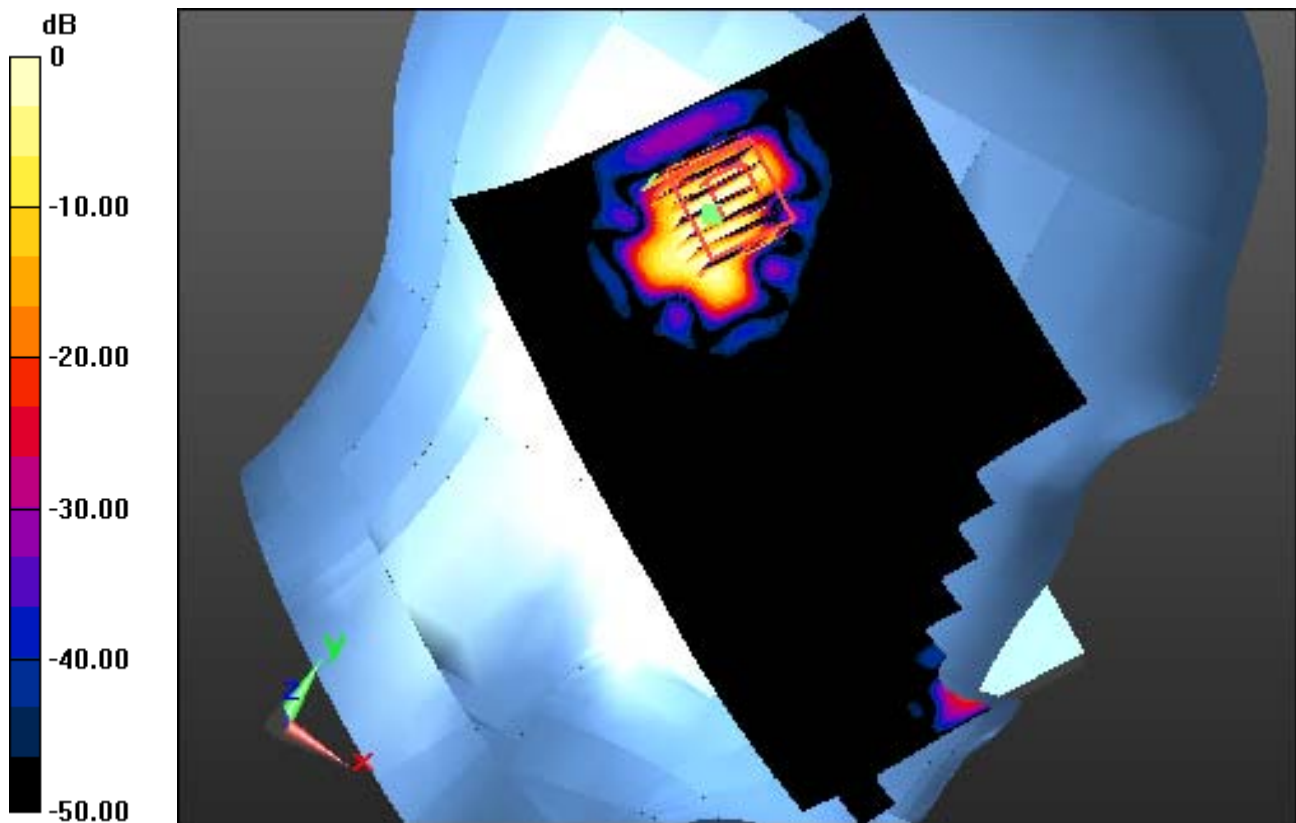
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.381 mW/g

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.019 mW/g**



0 dB = 0.151 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5300; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.767$  mho/m;  $\epsilon_r = 35.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

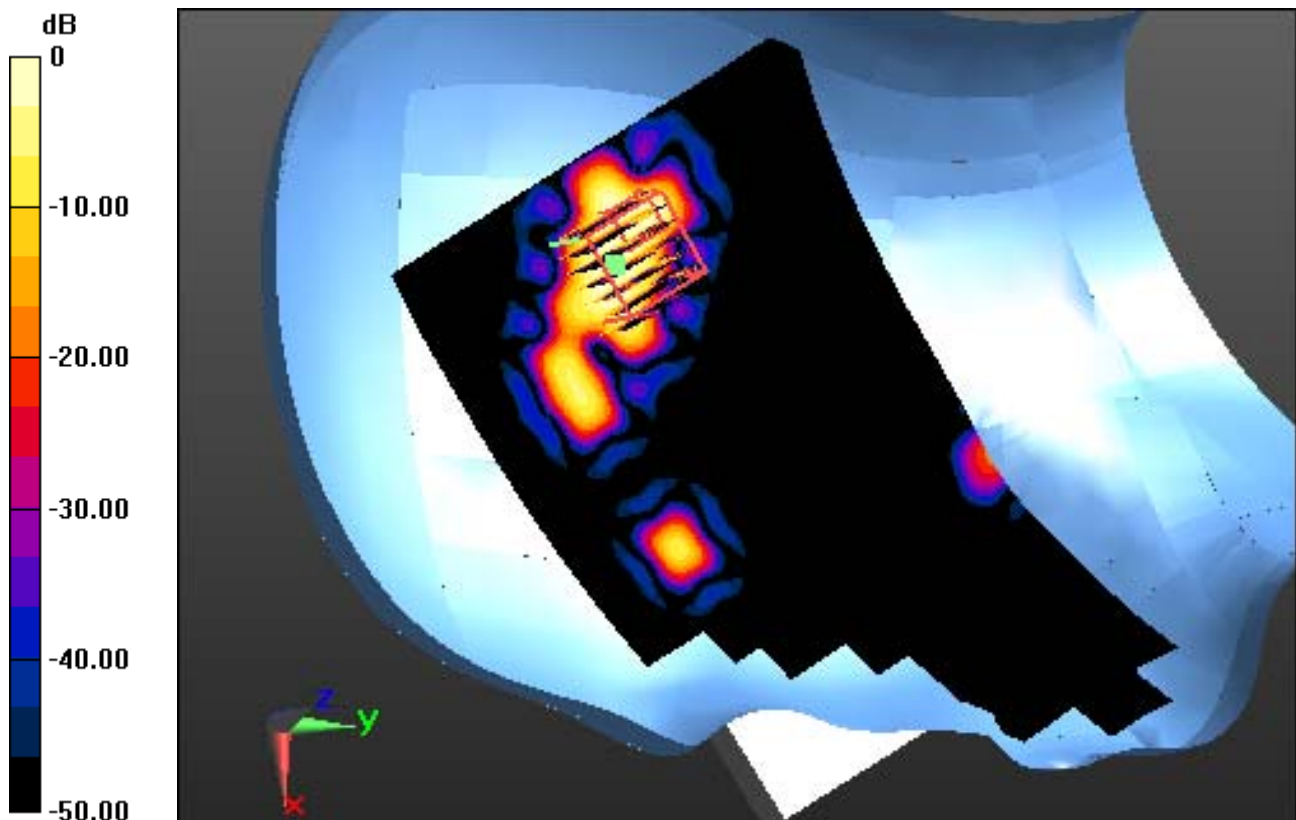
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.281 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.013 mW/g**



0 dB = 0.126 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5300; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.767$  mho/m;  $\epsilon_r = 35.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

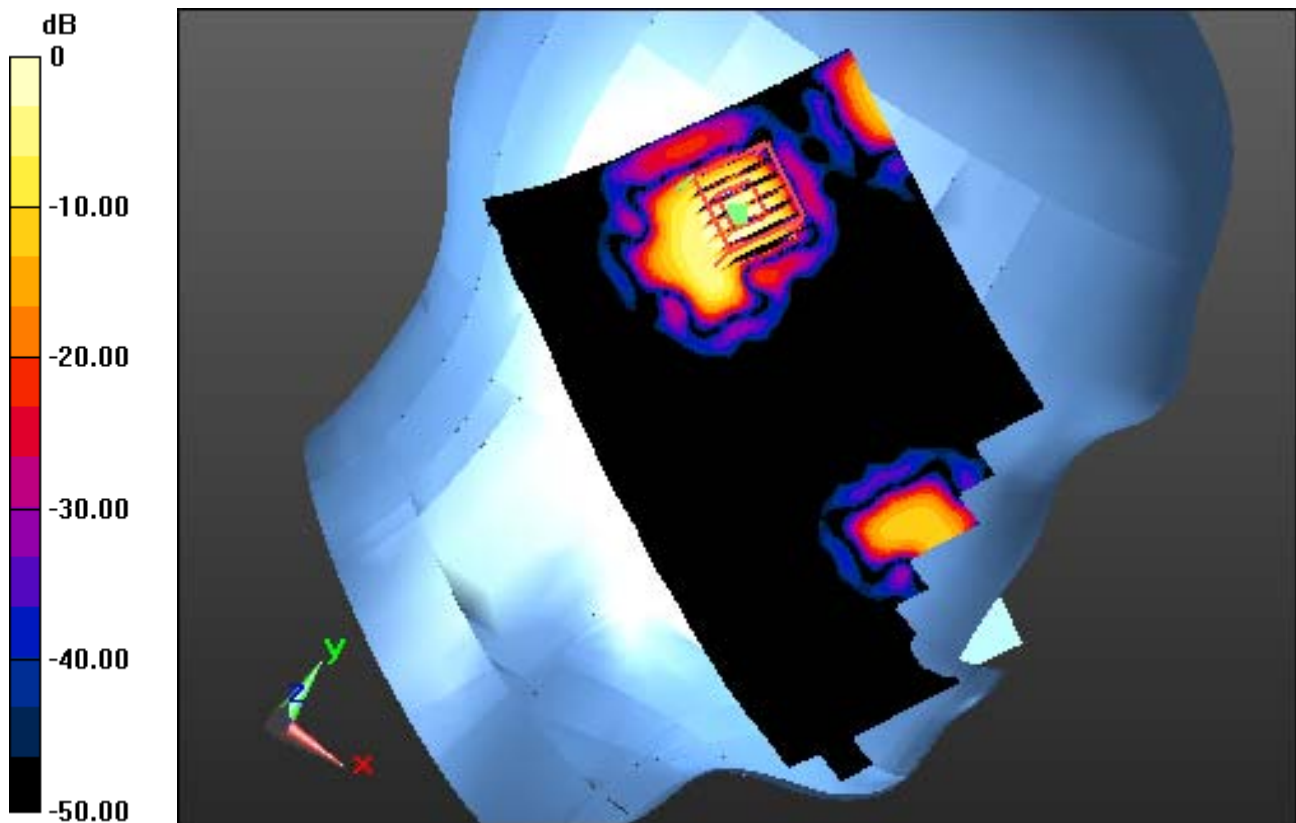
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.637 mW/g

**SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.025 mW/g**



0 dB = 0.279 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5300; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.767$  mho/m;  $\epsilon_r = 35.621$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.69, 4.69, 4.69); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

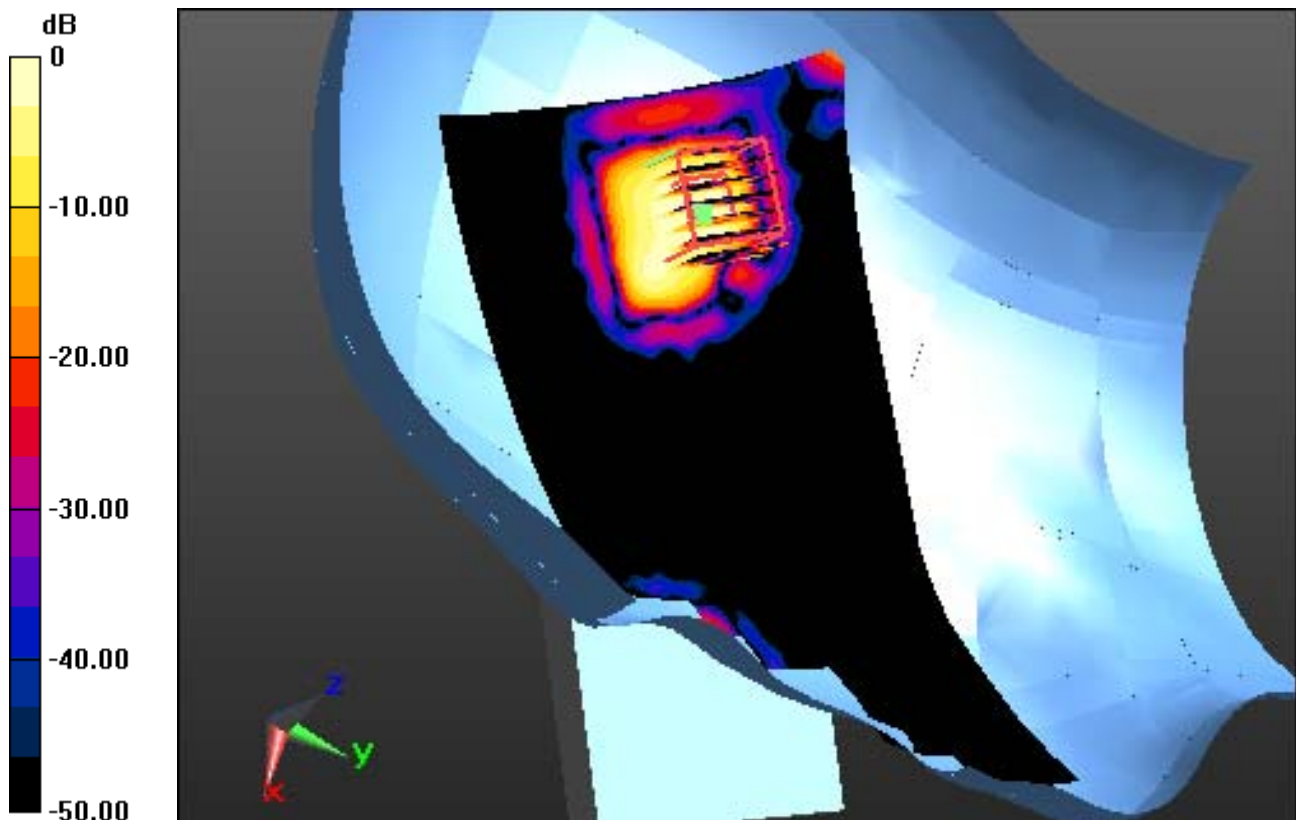
**Area Scan (101x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.535 mW/g

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.025 mW/g



0 dB = 0.199 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5500; Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.046$  mho/m;  $\epsilon_r = 35.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

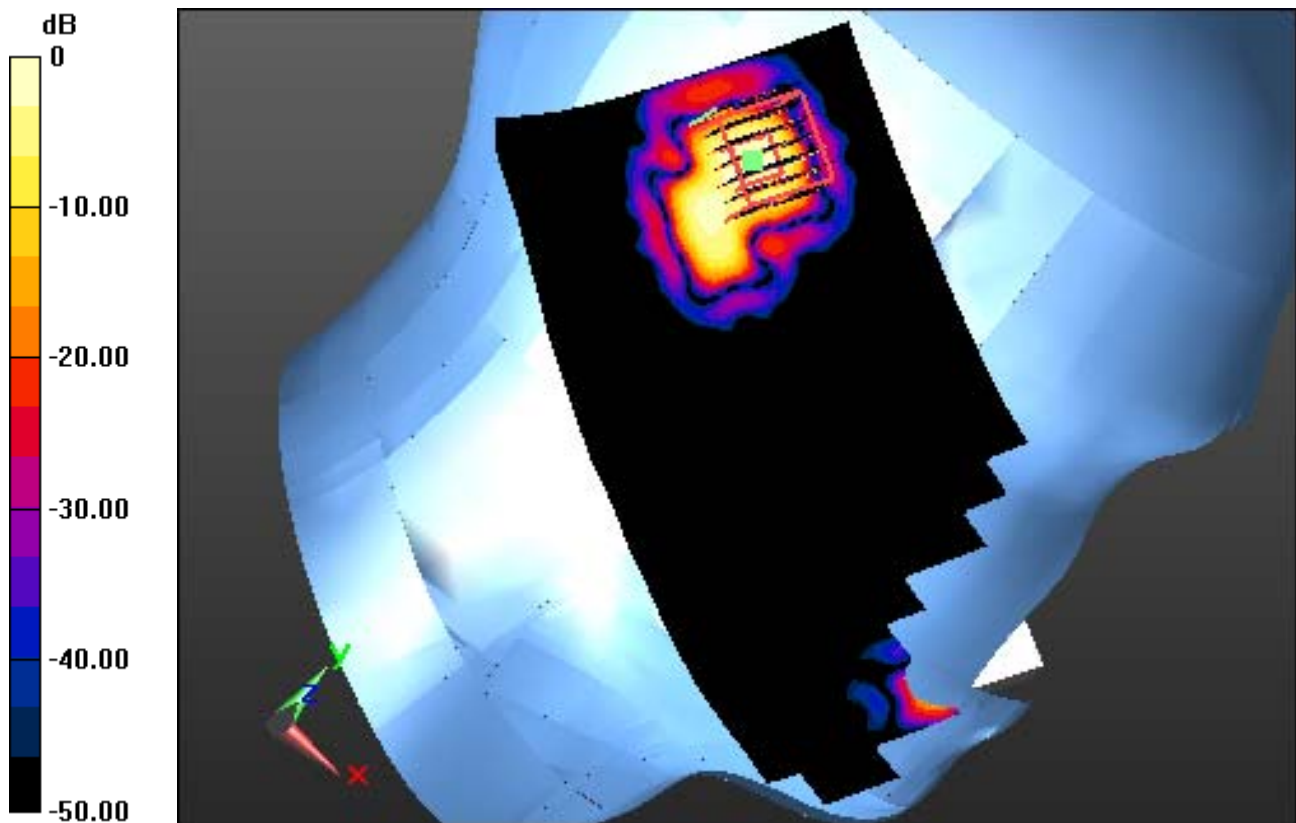
**Area Scan (101x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.567 mW/g

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.015 mW/g**



0 dB = 0.136 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5500; Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.046$  mho/m;  $\epsilon_r = 35.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

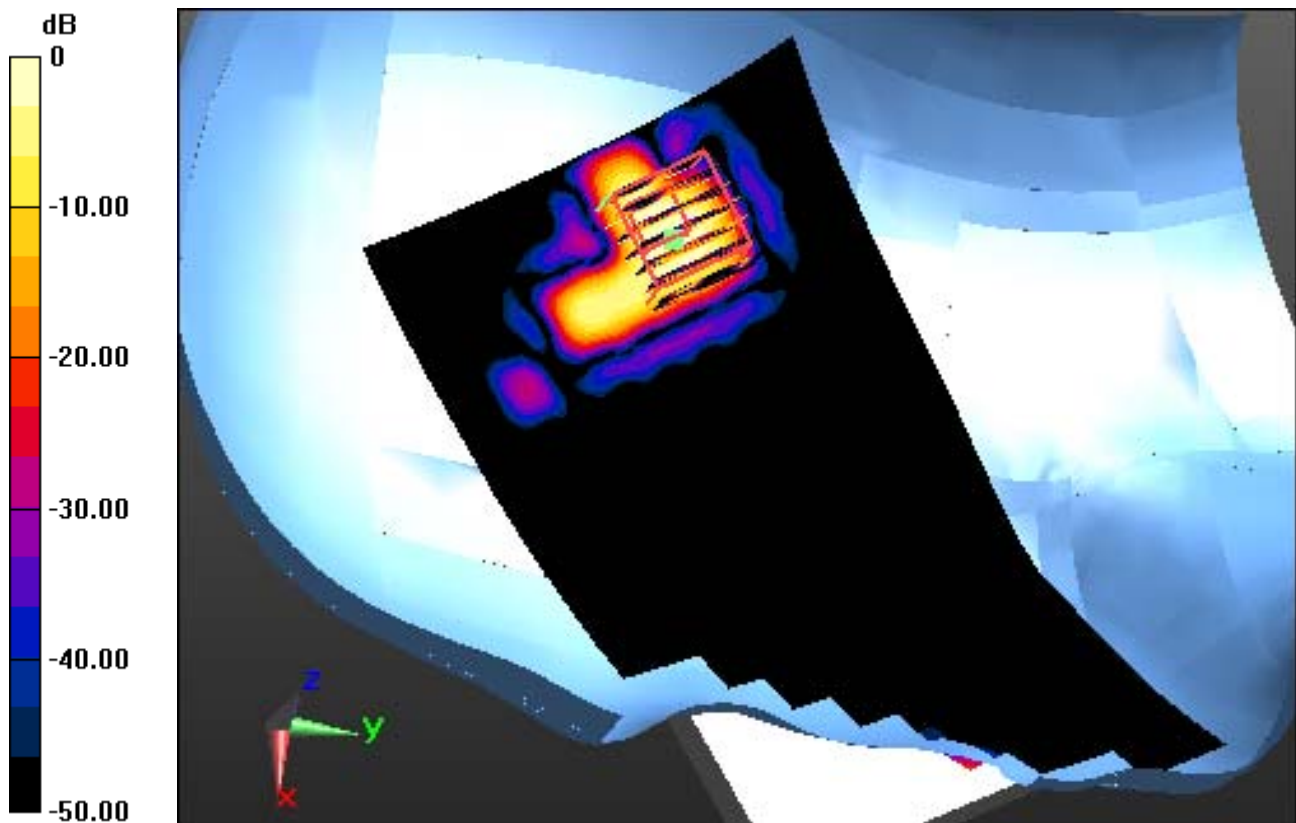
**Area Scan (101x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.563 mW/g

**SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.015 mW/g**



0 dB = 0.122 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5500; Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.046$  mho/m;  $\epsilon_r = 35.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

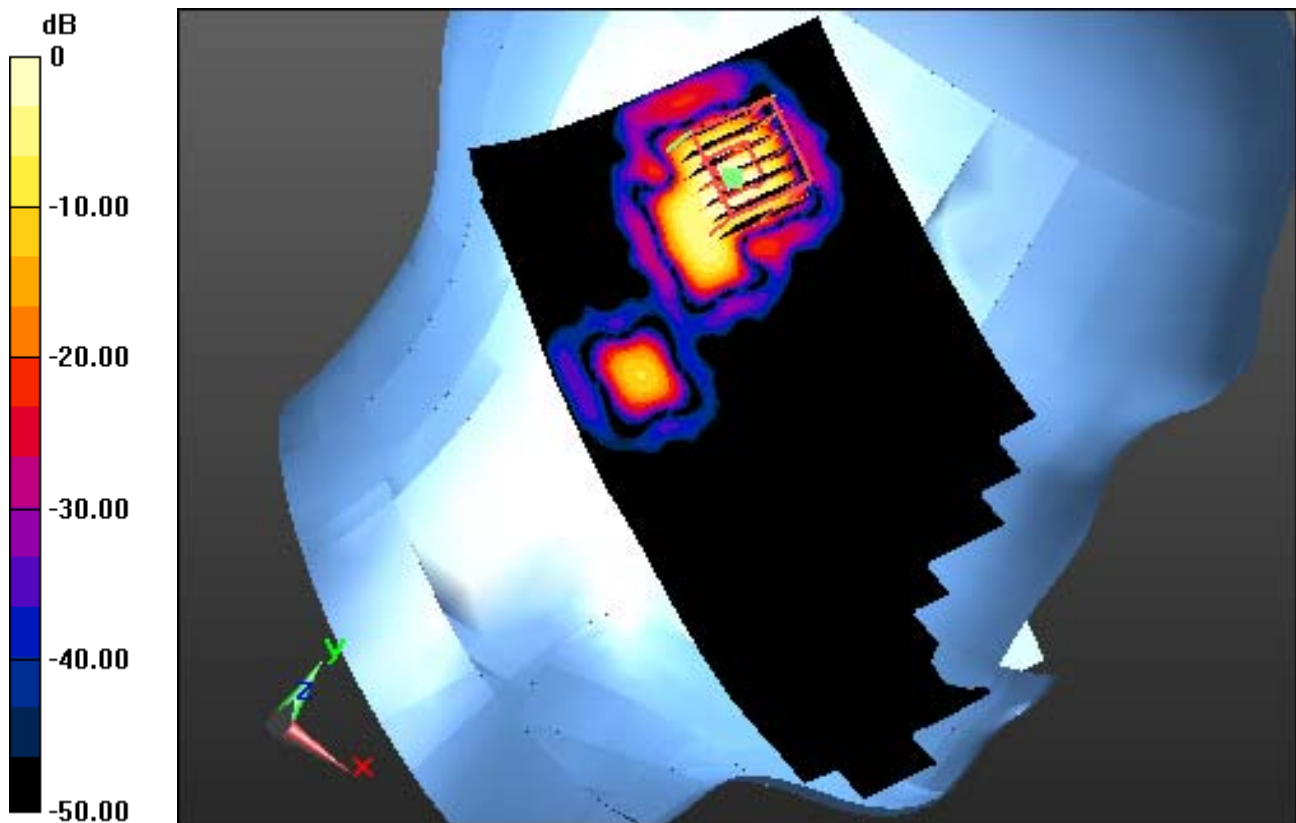
**Area Scan (101x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.613 mW/g

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.025 mW/g



0 dB = 0.260 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5500; Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.046$  mho/m;  $\epsilon_r = 35.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(4.45, 4.45, 4.45); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-19; Ambient Temp: 22.2; Tissue Temp: 22.4

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

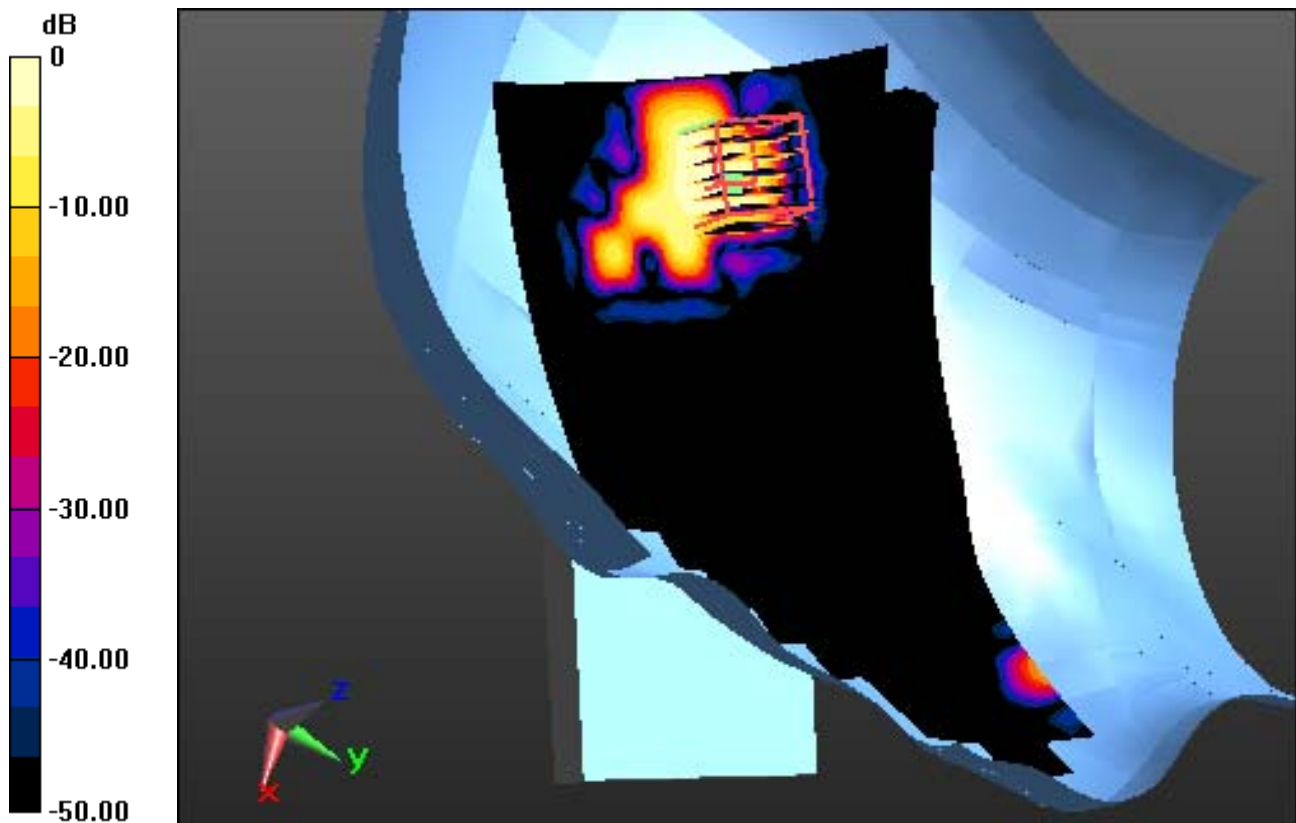
**Area Scan (111x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.672 mW/g

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.214 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

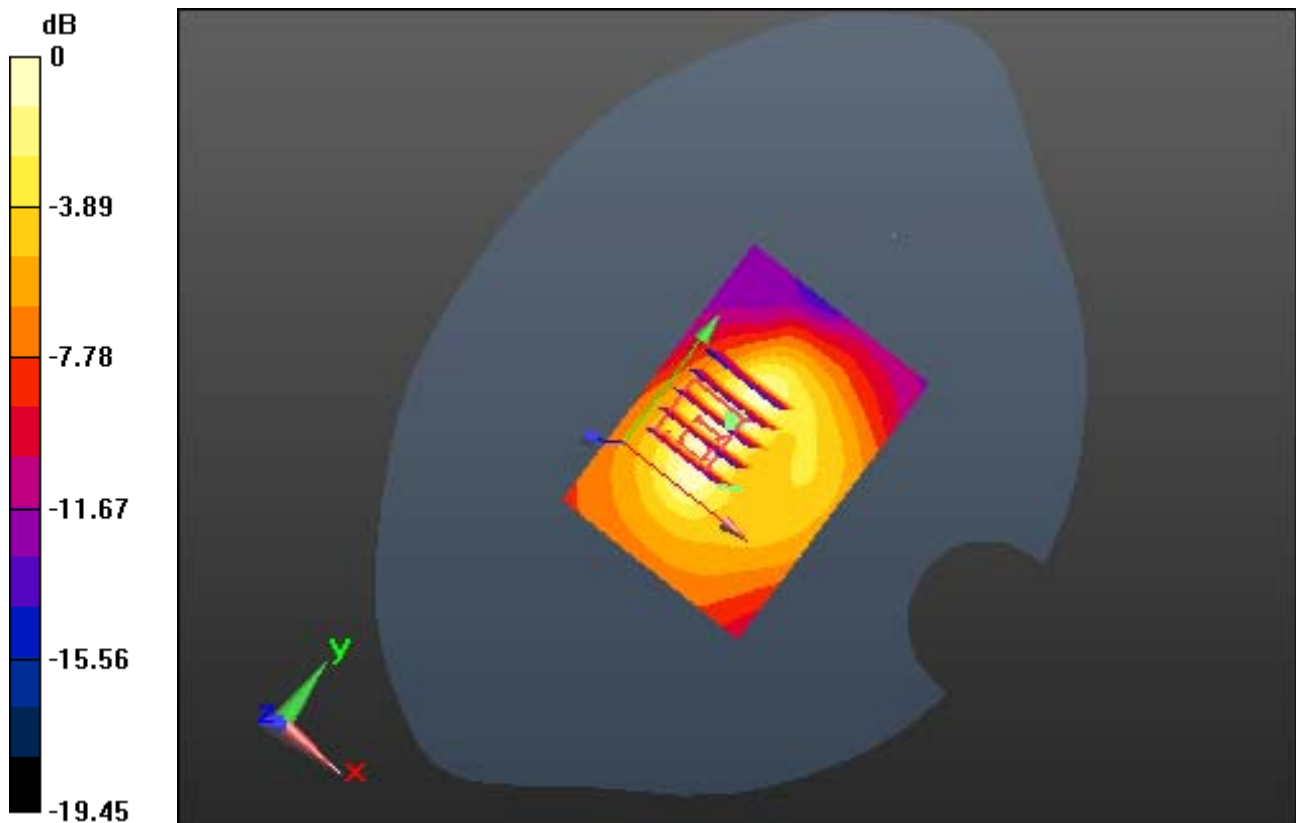
**Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.148 mW/g

**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.043 mW/g**



0 dB = 0.110 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

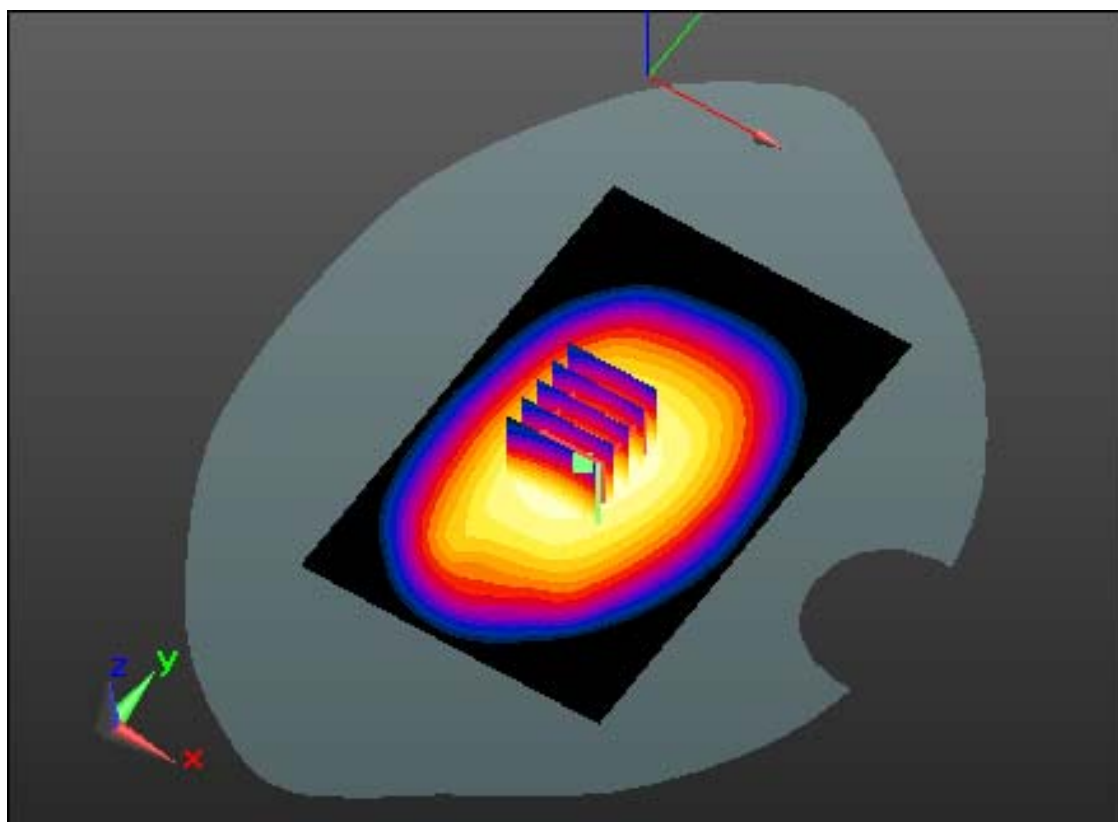
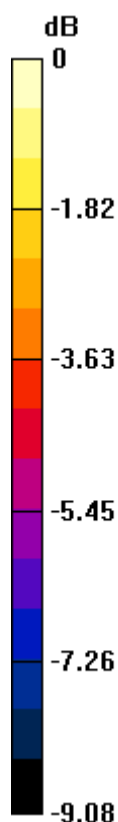
**Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.468 mW/g

**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.284 mW/g**



0 dB = 0.425 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

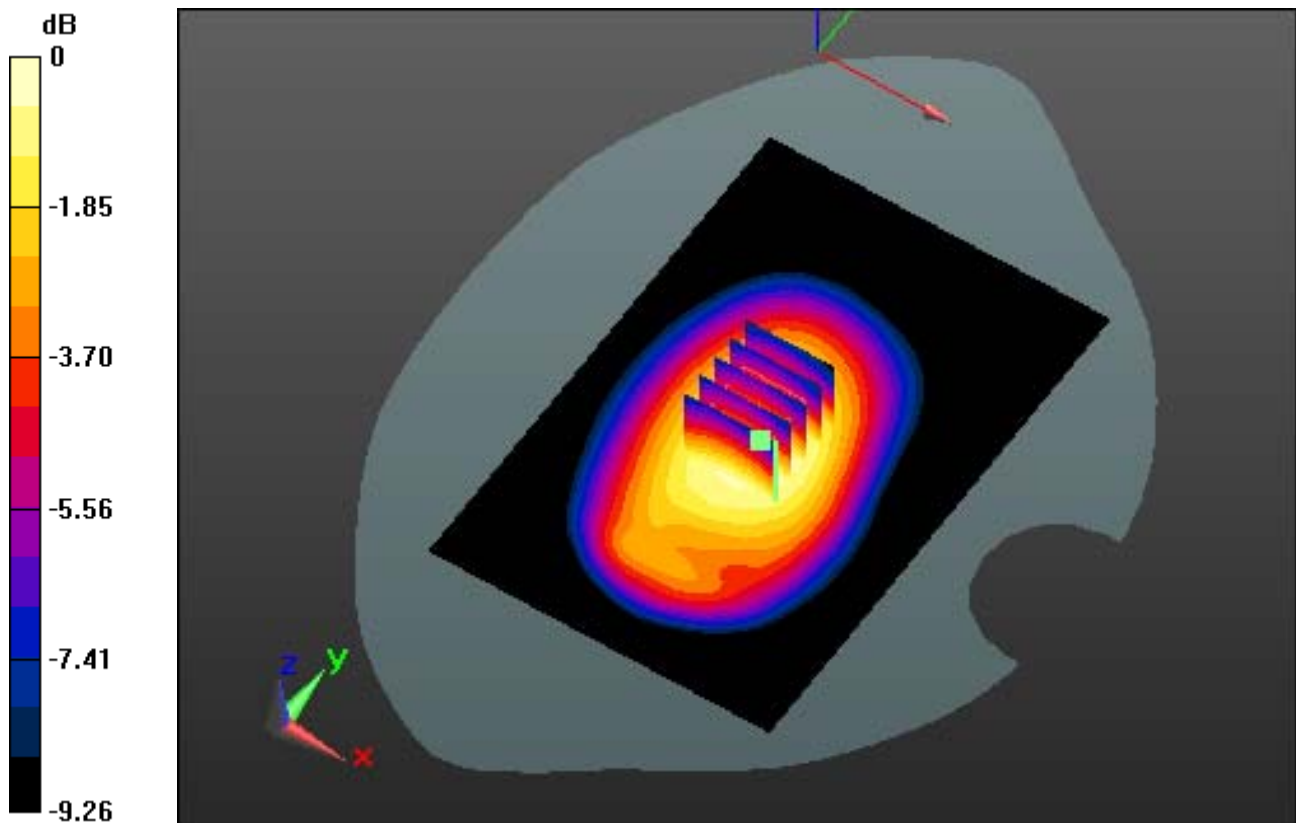
**1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.688 mW/g

**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.404 mW/g**



0 dB = 0.627 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

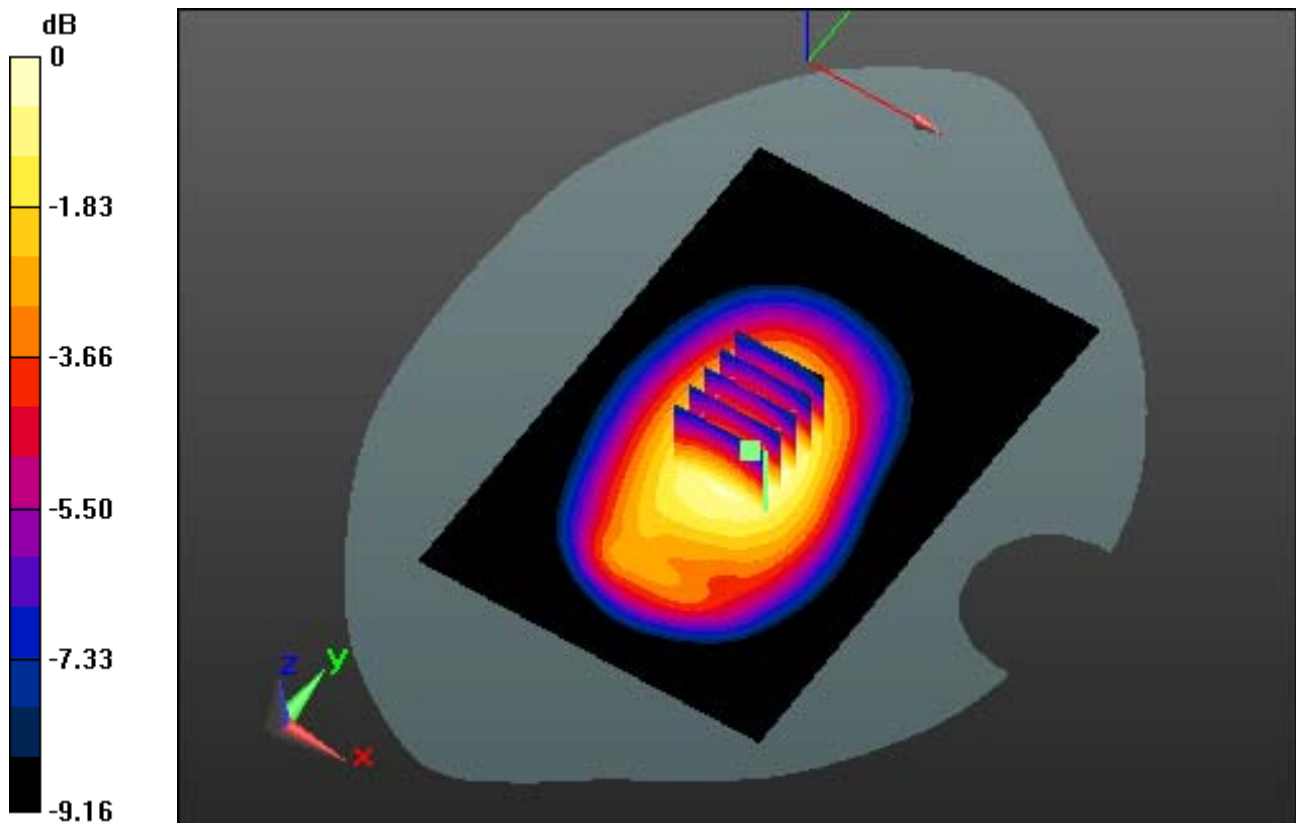
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.700 mW/g

**SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.410 mW/g**



0 dB = 0.637 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850\_10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

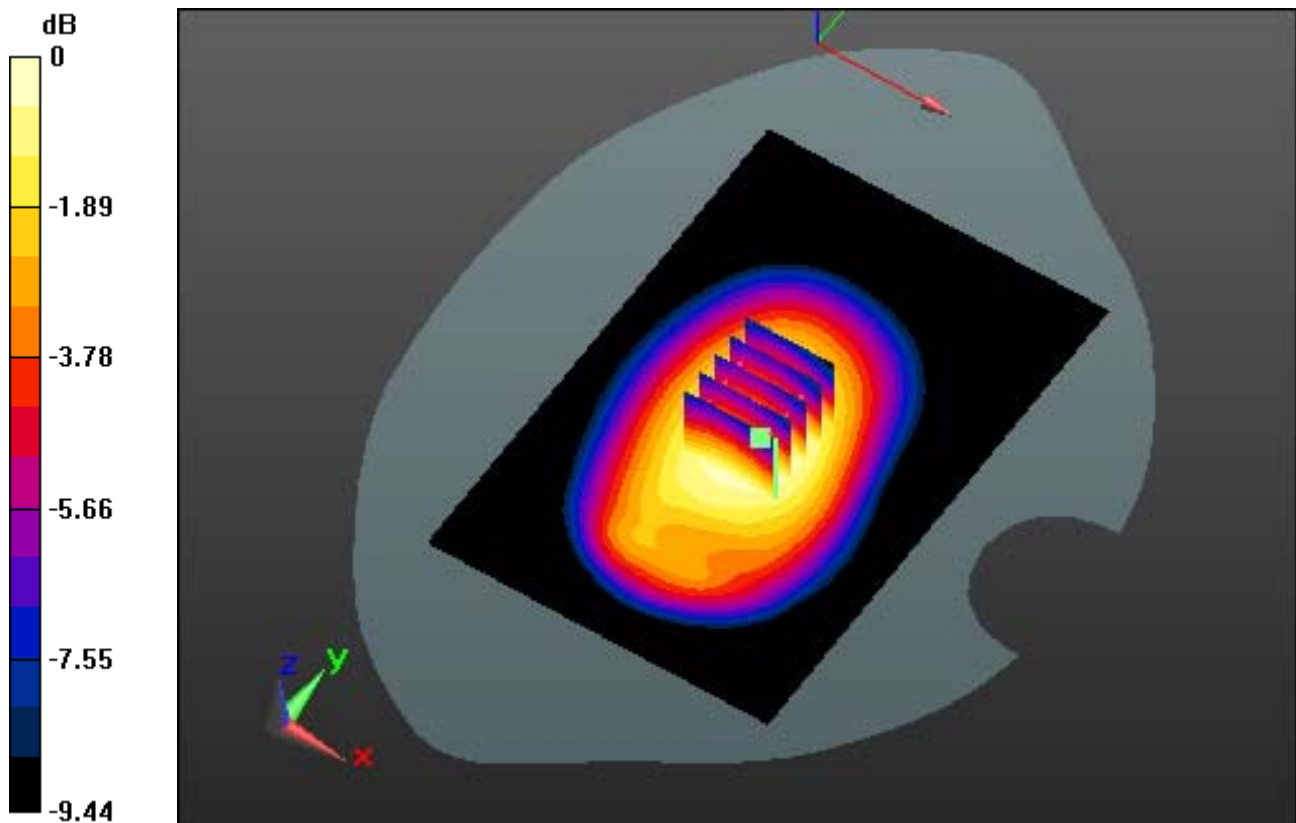
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.625 mW/g

**SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.366 mW/g**



0 dB = 0.567 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

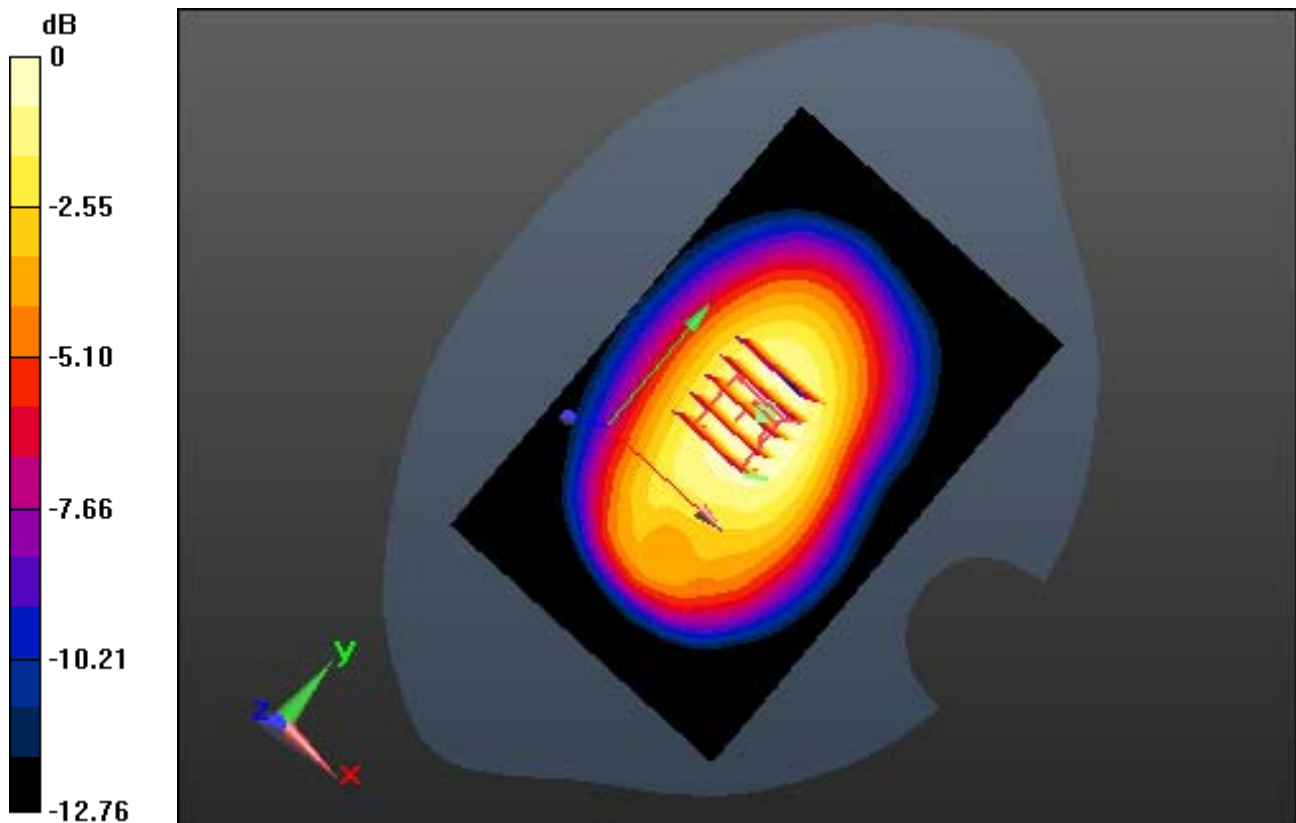
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.595 mW/g

**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.346 mW/g**



0 dB = 0.536 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

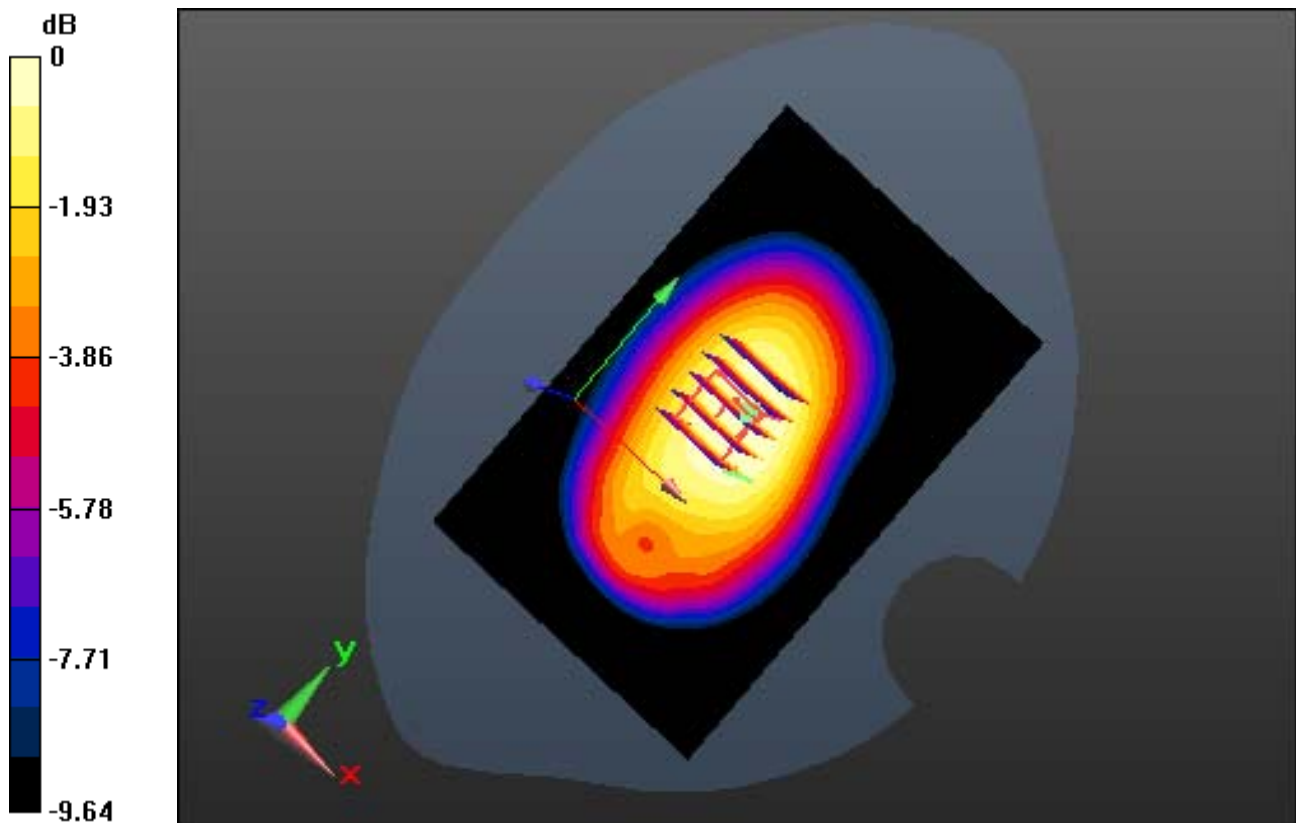
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.561 mW/g

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.327 mW/g**



0 dB = 0.507 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

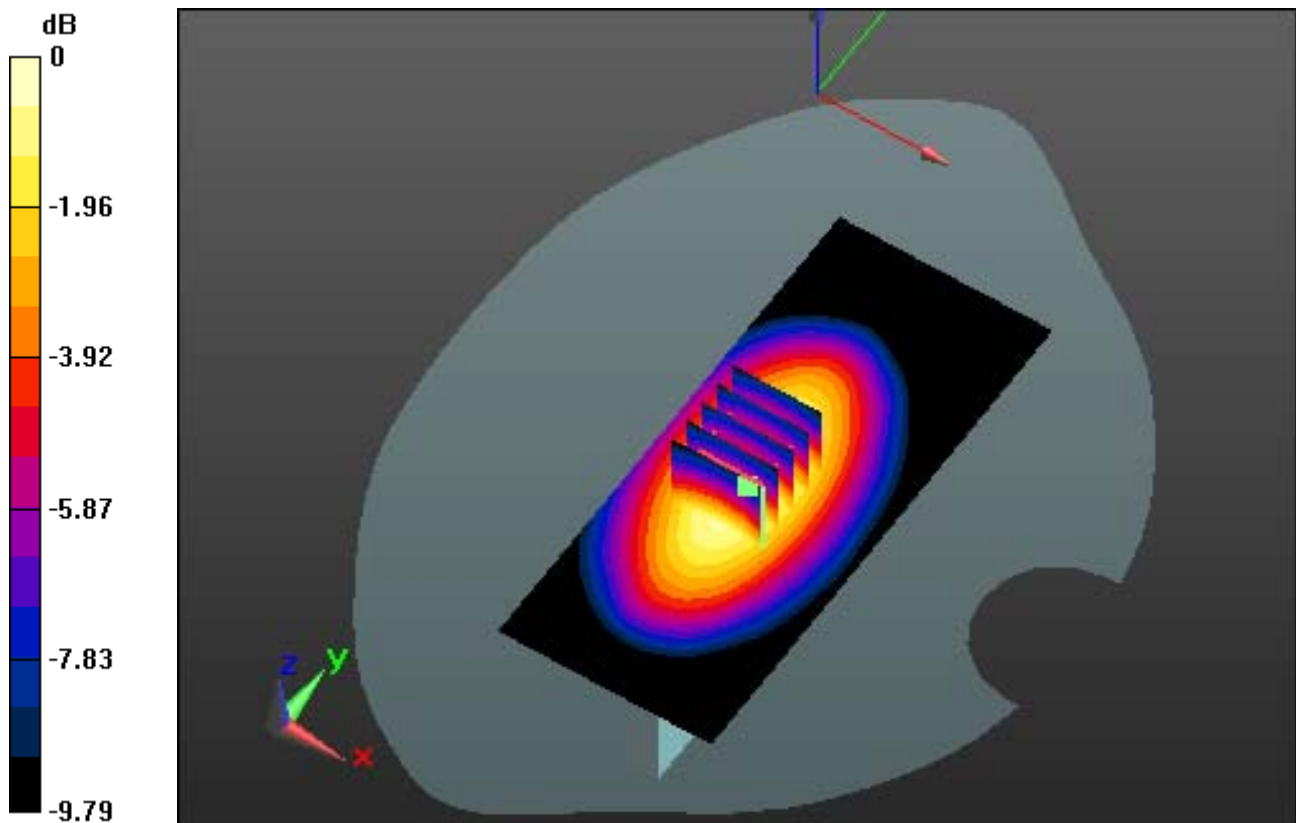
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.719 mW/g

**SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.349 mW/g**



0 dB = 0.621 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-14; Ambient Temp: 22.3; Tissue Temp:22.4

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

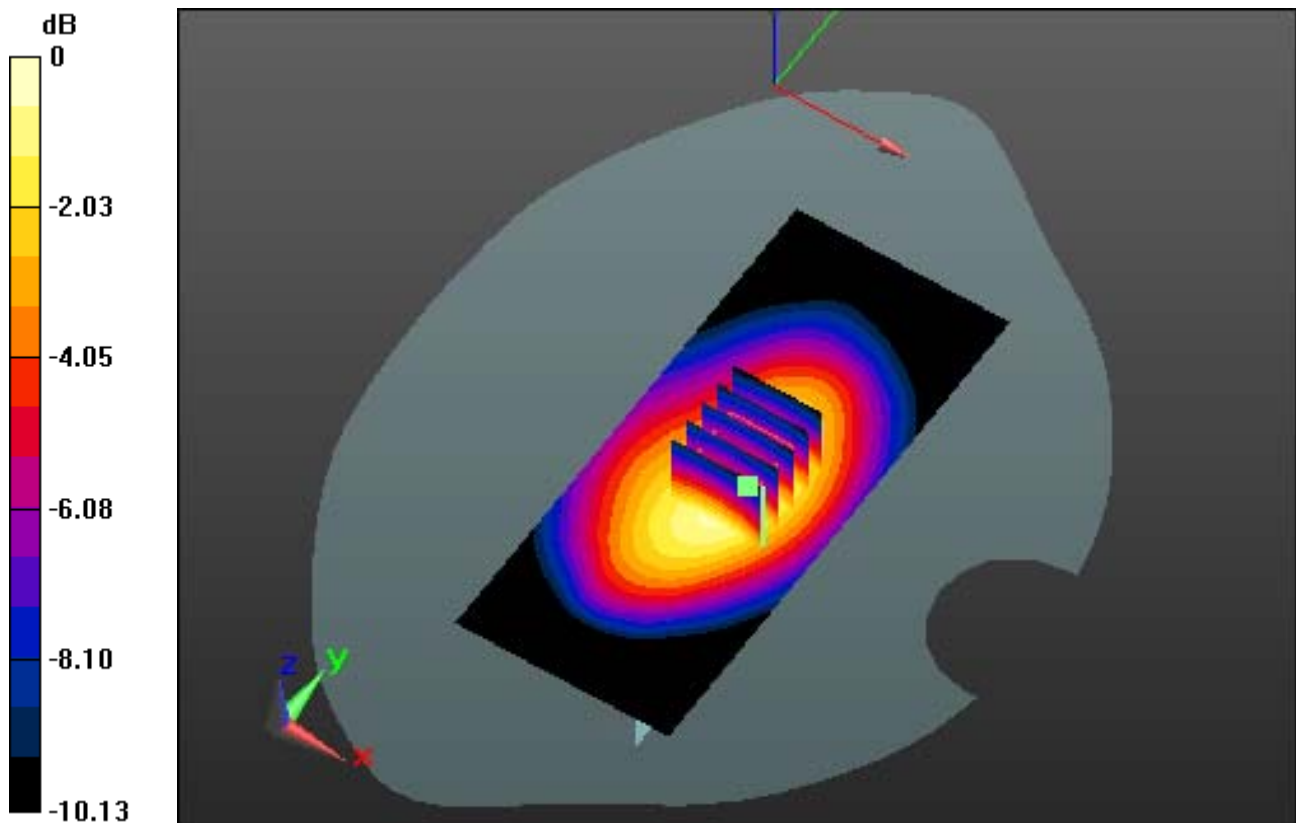
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.339 mW/g

**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.154 mW/g**



0 dB = 0.290 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

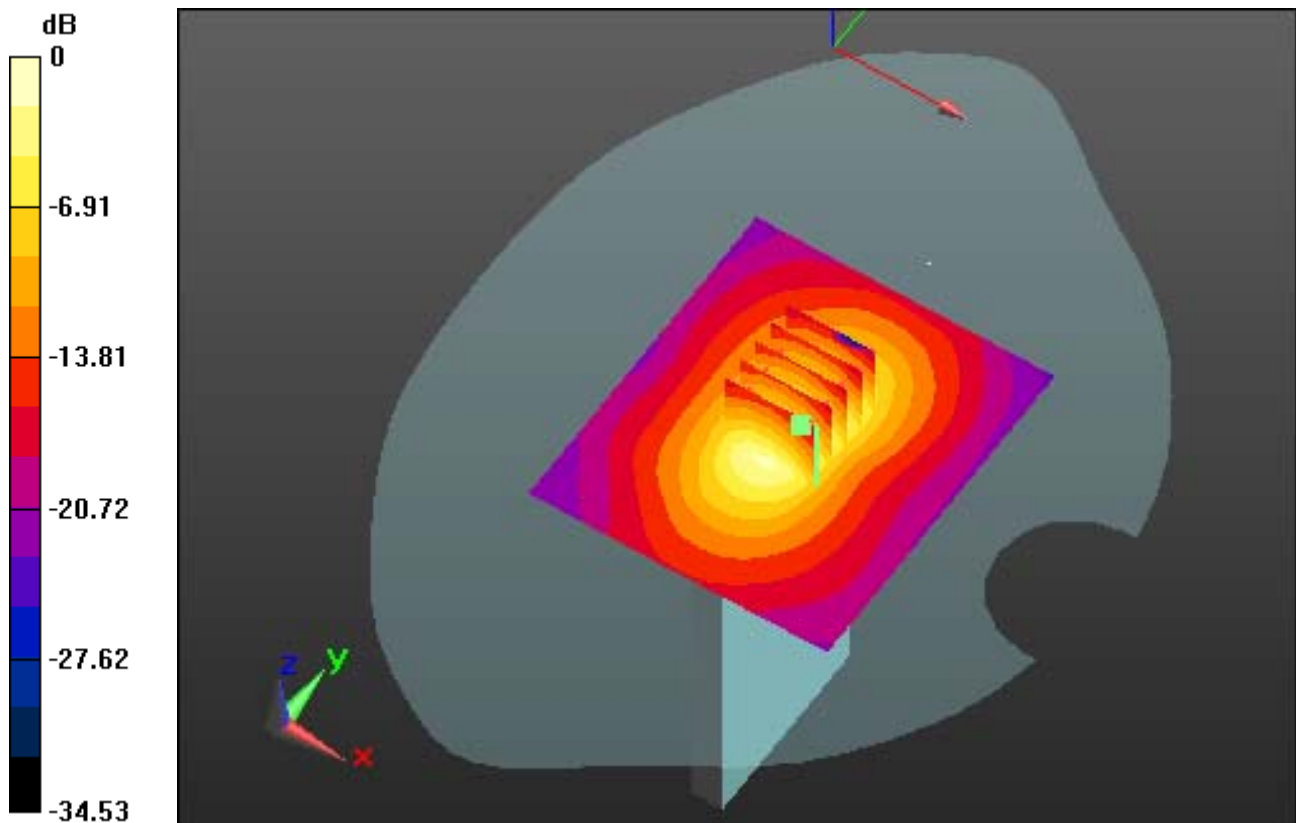
**Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.290 mW/g

**SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.378 mW/g**



0 dB = 1.02 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

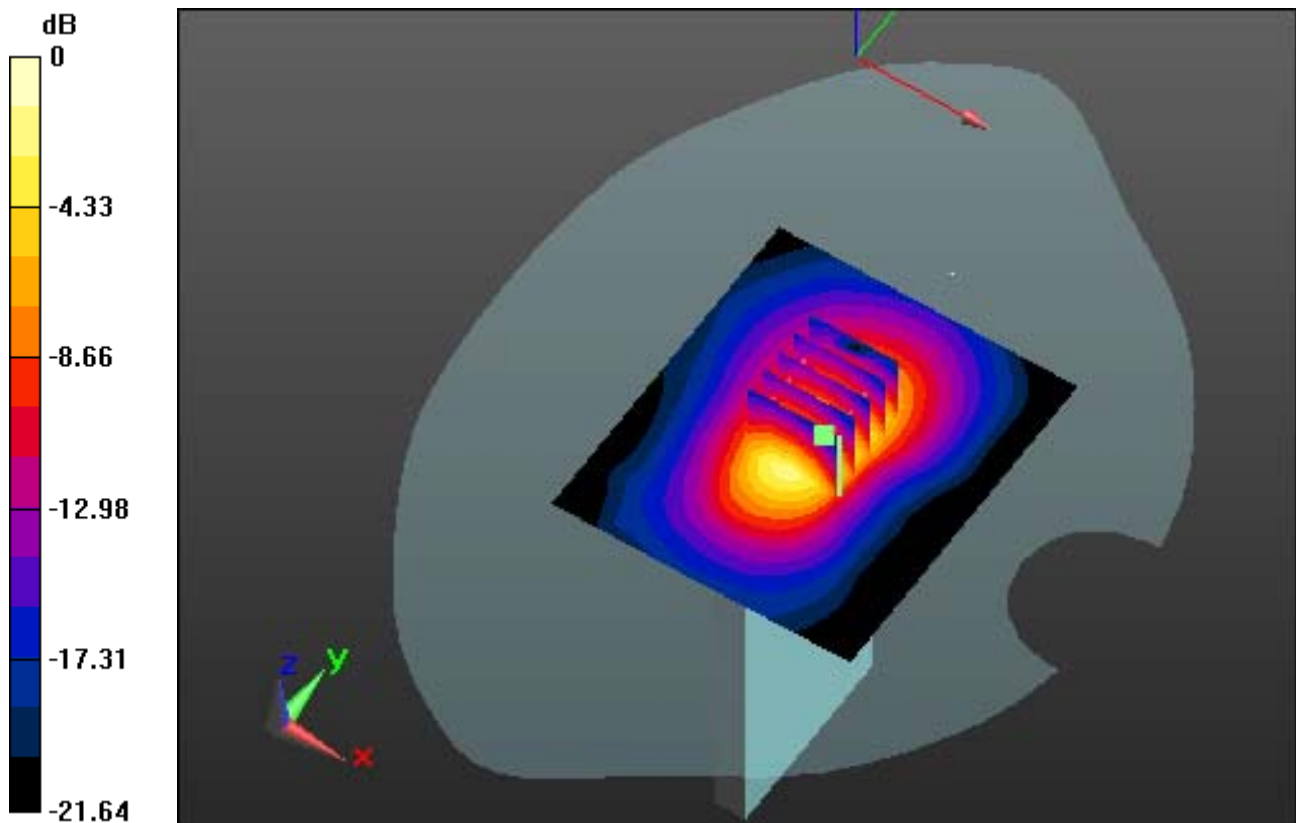
**Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.564 mW/g

**SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.450 mW/g**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

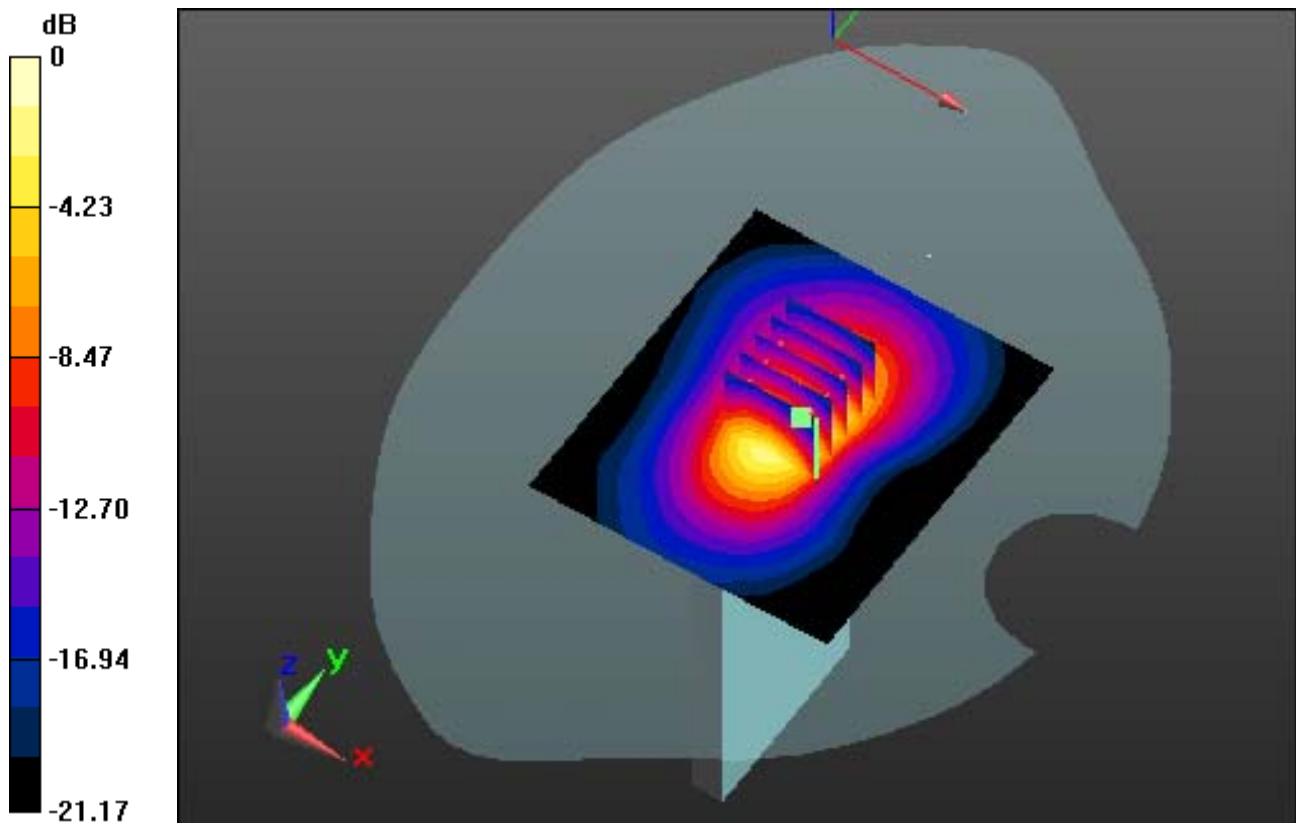
**Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.796 mW/g

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.504 mW/g**



0 dB = 1.41 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

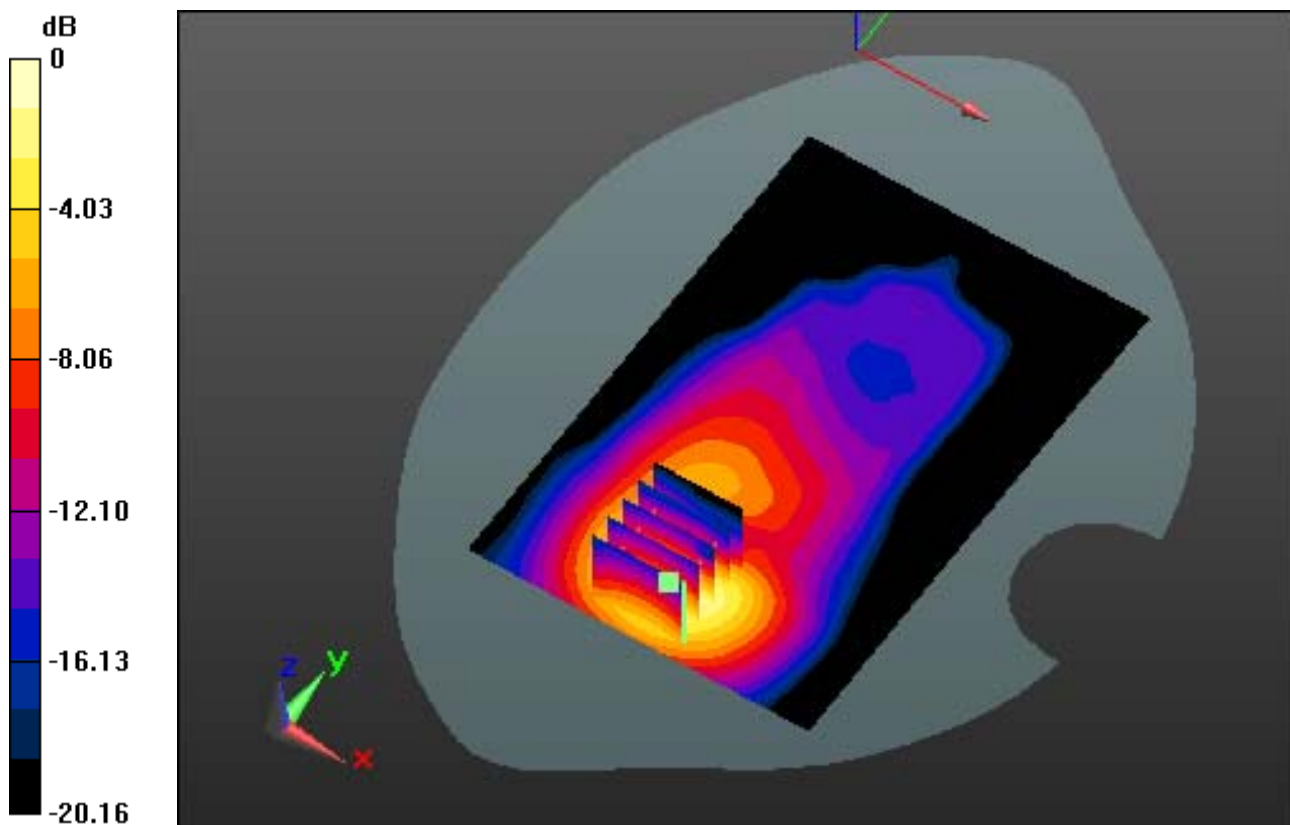
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.007 mW/g

**SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.297 mW/g**



0 dB = 0.797 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

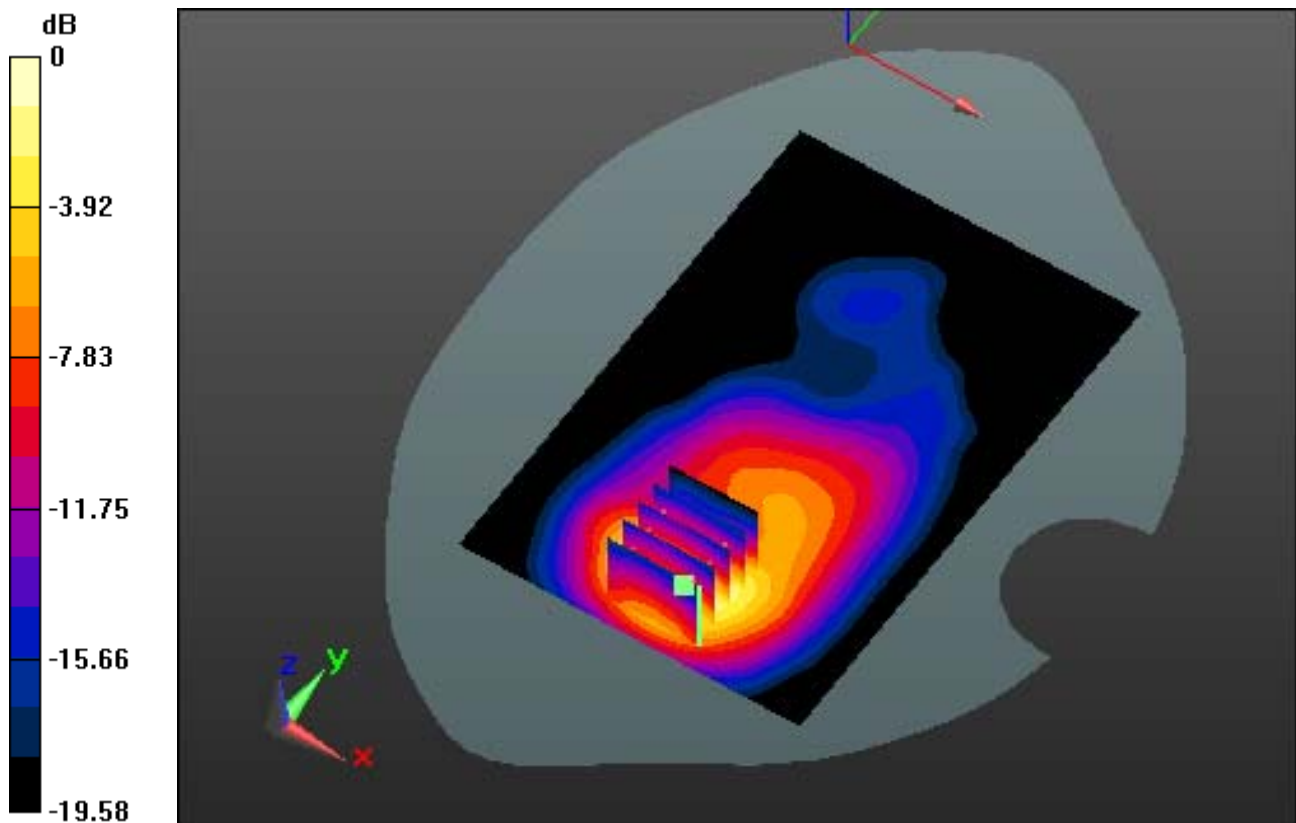
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.796 mW/g

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.502 mW/g**



0 dB = 1.41 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

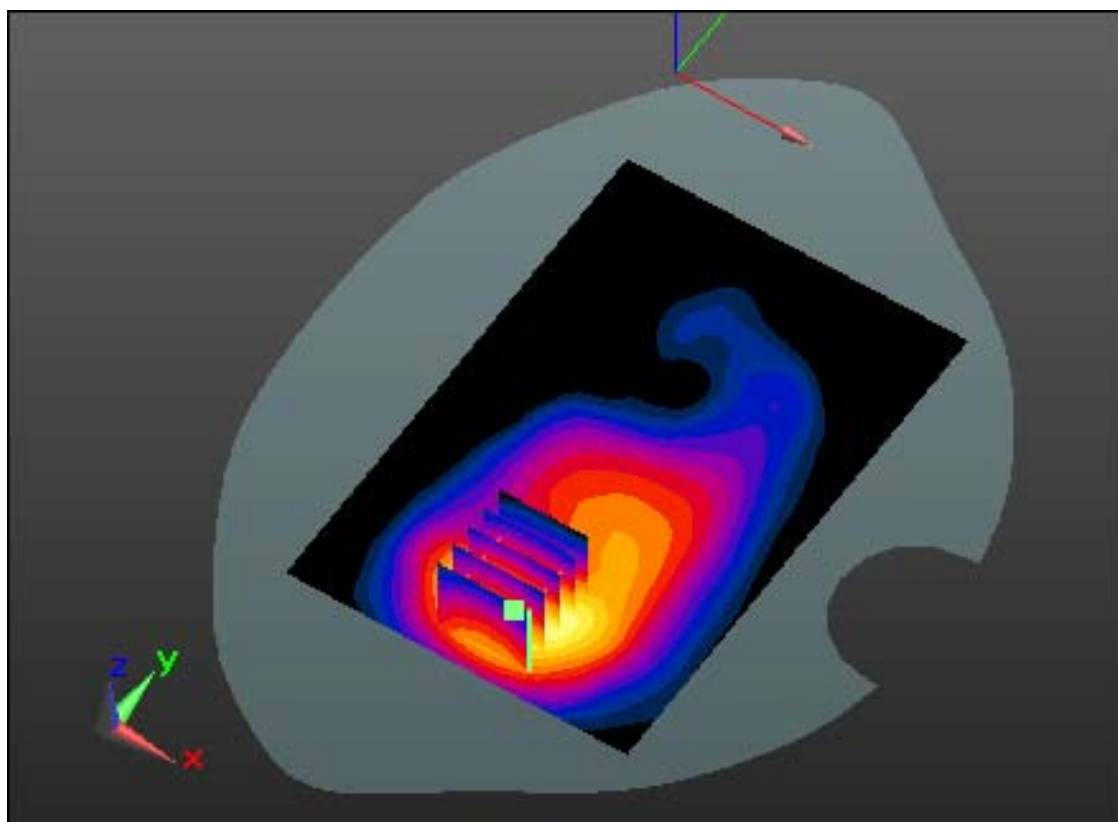
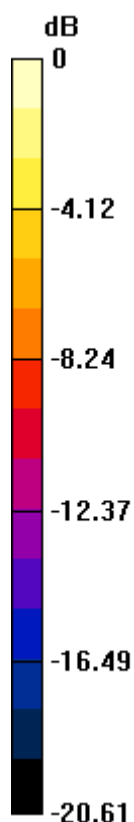
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.908 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.532 mW/g**



0 dB = 1.52 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

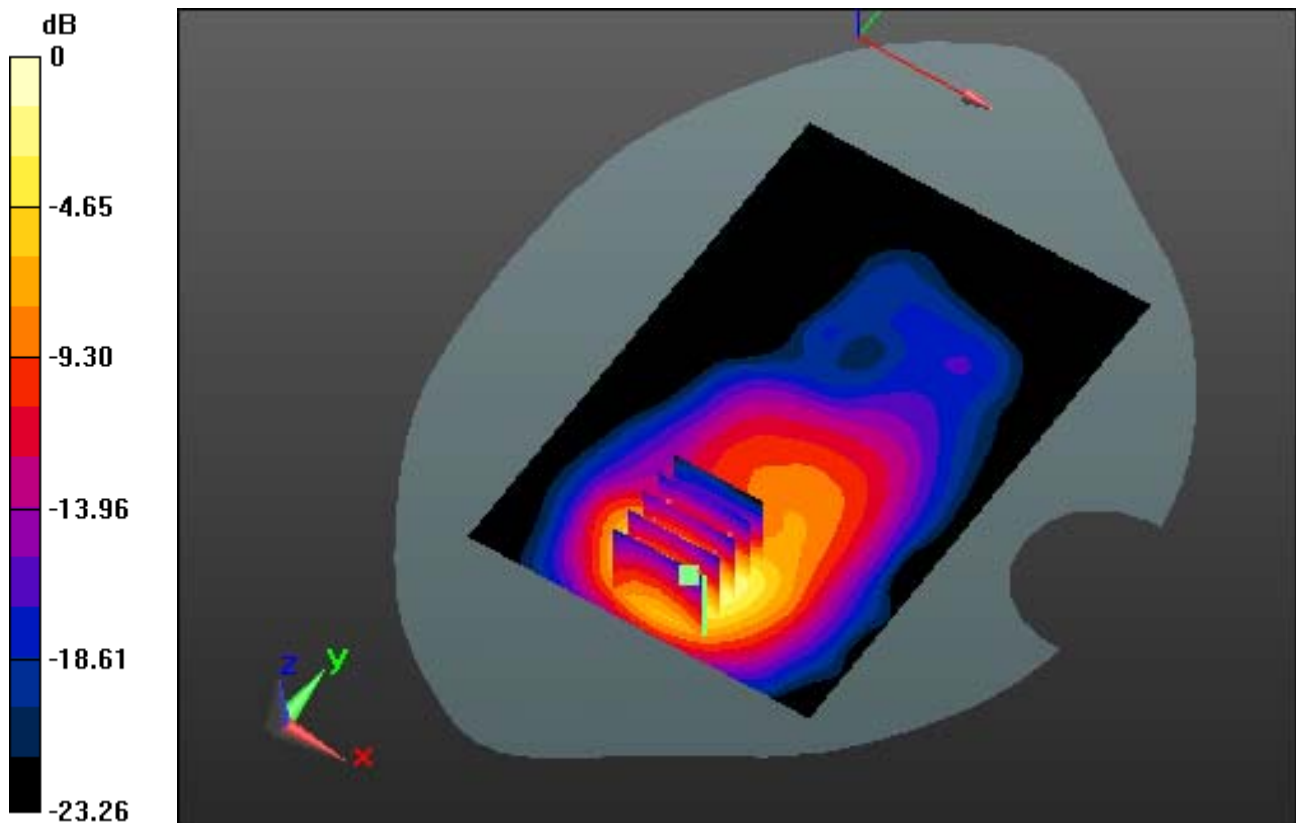
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.190 mW/g

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.573 mW/g**



0 dB = 1.70 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

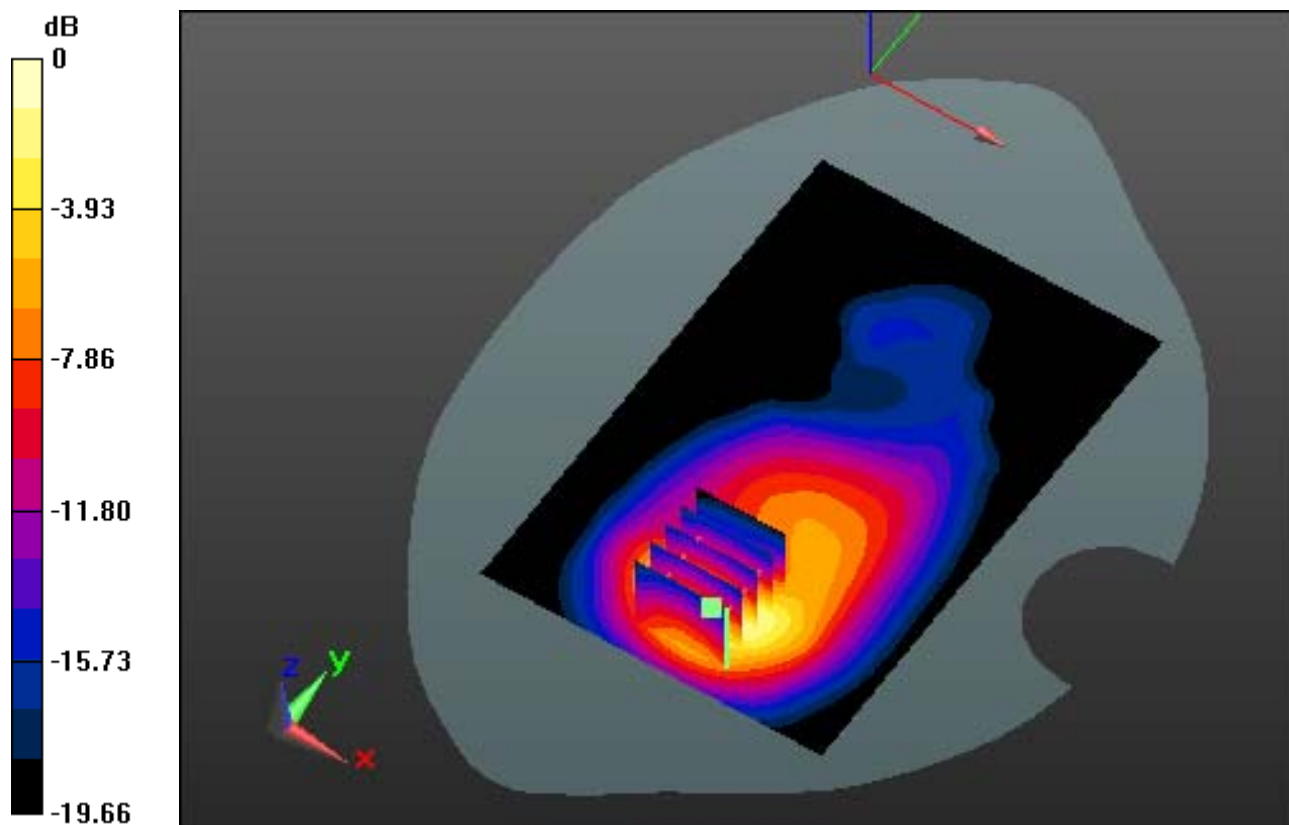
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.821 mW/g

**SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.505 mW/g**



0 dB = 1.44 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

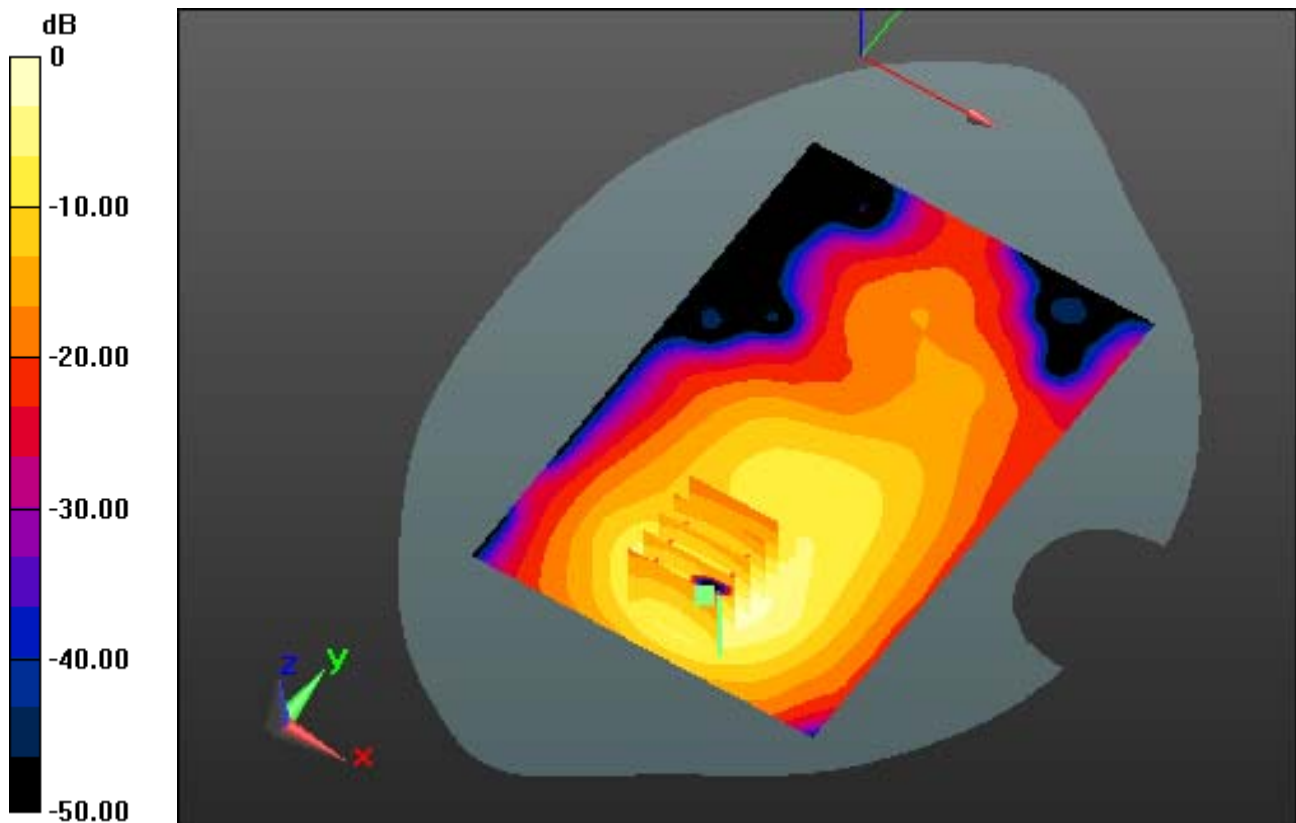
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.958 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.535 mW/g**



0 dB = 1.55 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

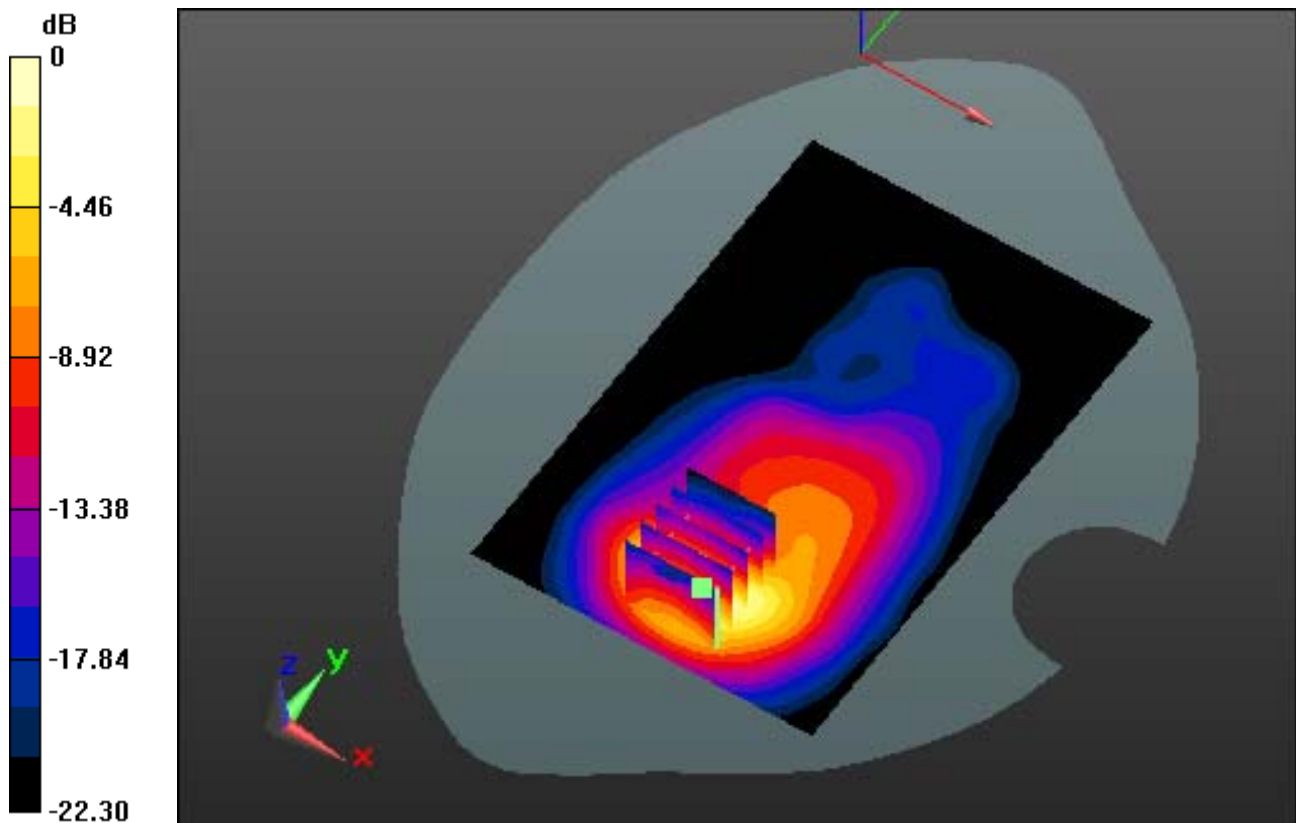
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.200 mW/g

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.575 mW/g**



0 dB = 1.70 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

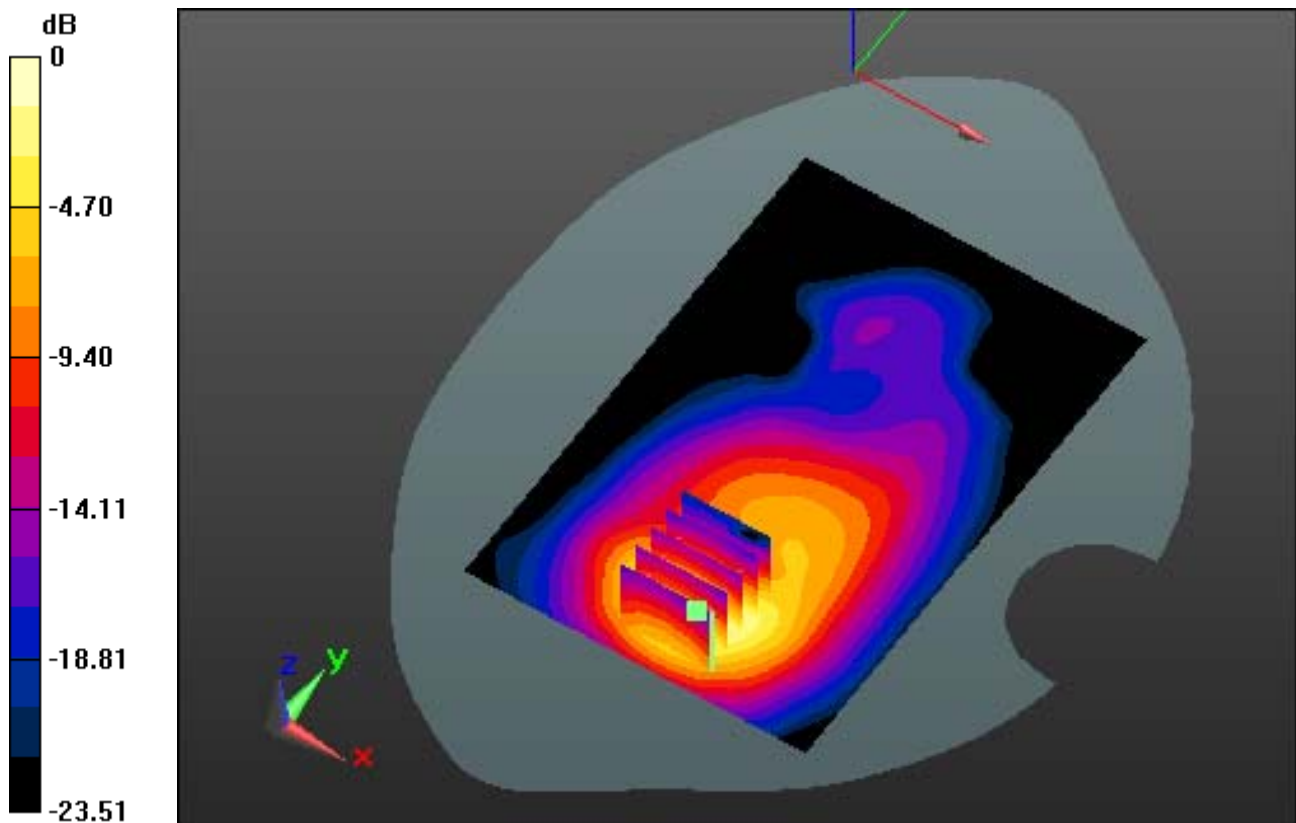
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.010 mW/g

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.559 mW/g**



0 dB = 1.59 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

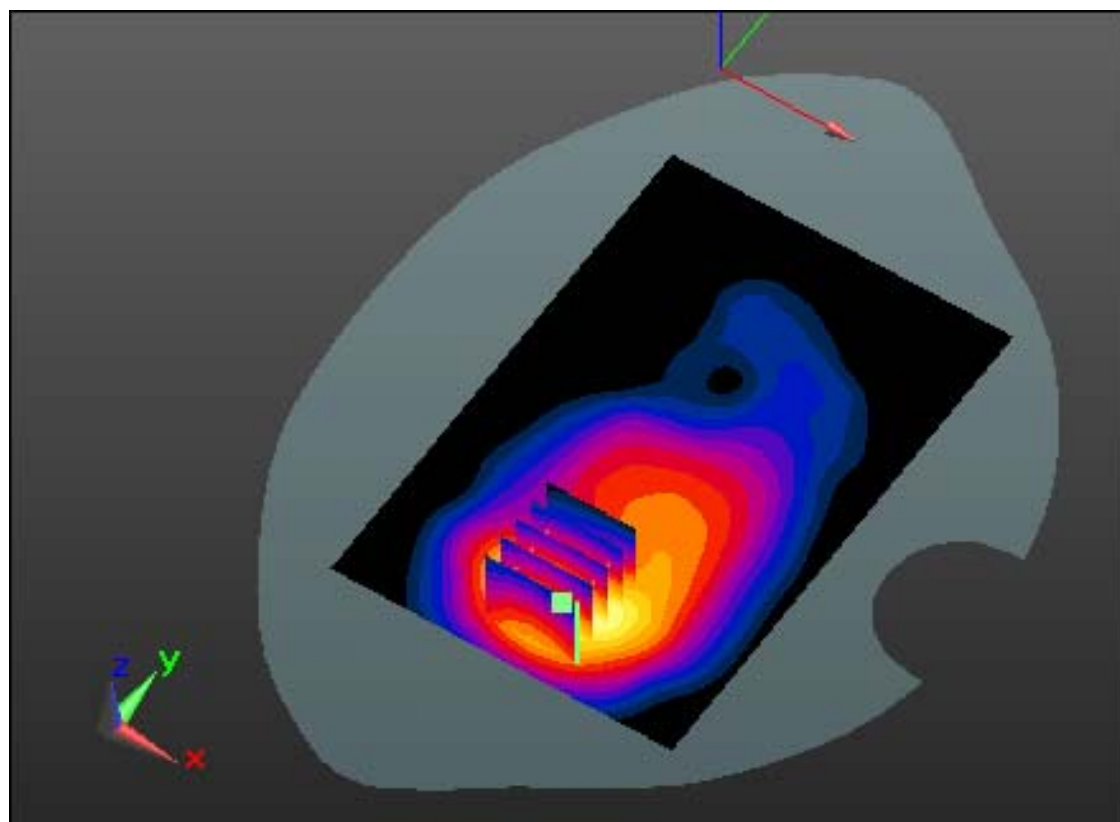
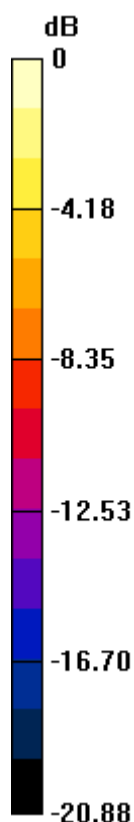
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.285 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.606 mW/g**



0 dB = 1.78 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

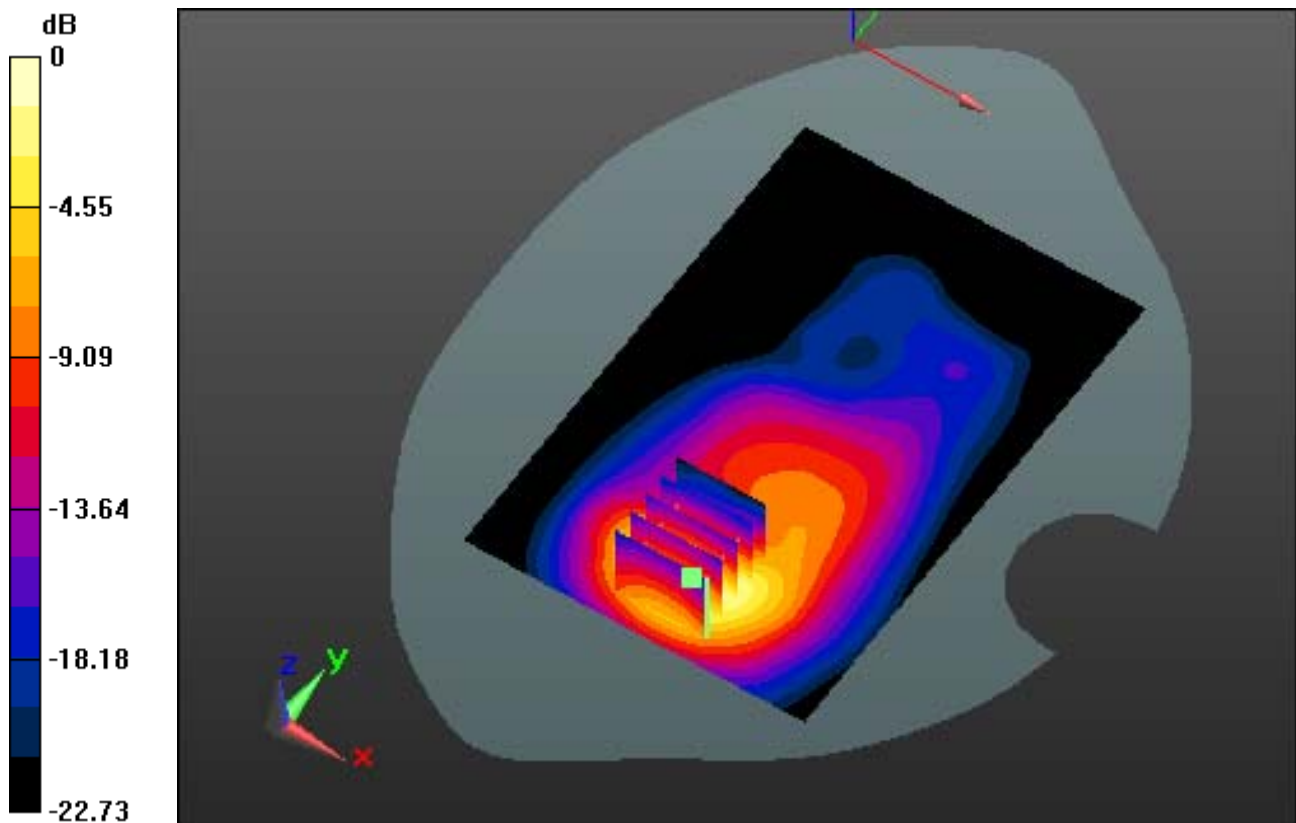
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.372 mW/g

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.639 mW/g**



0 dB = 2.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

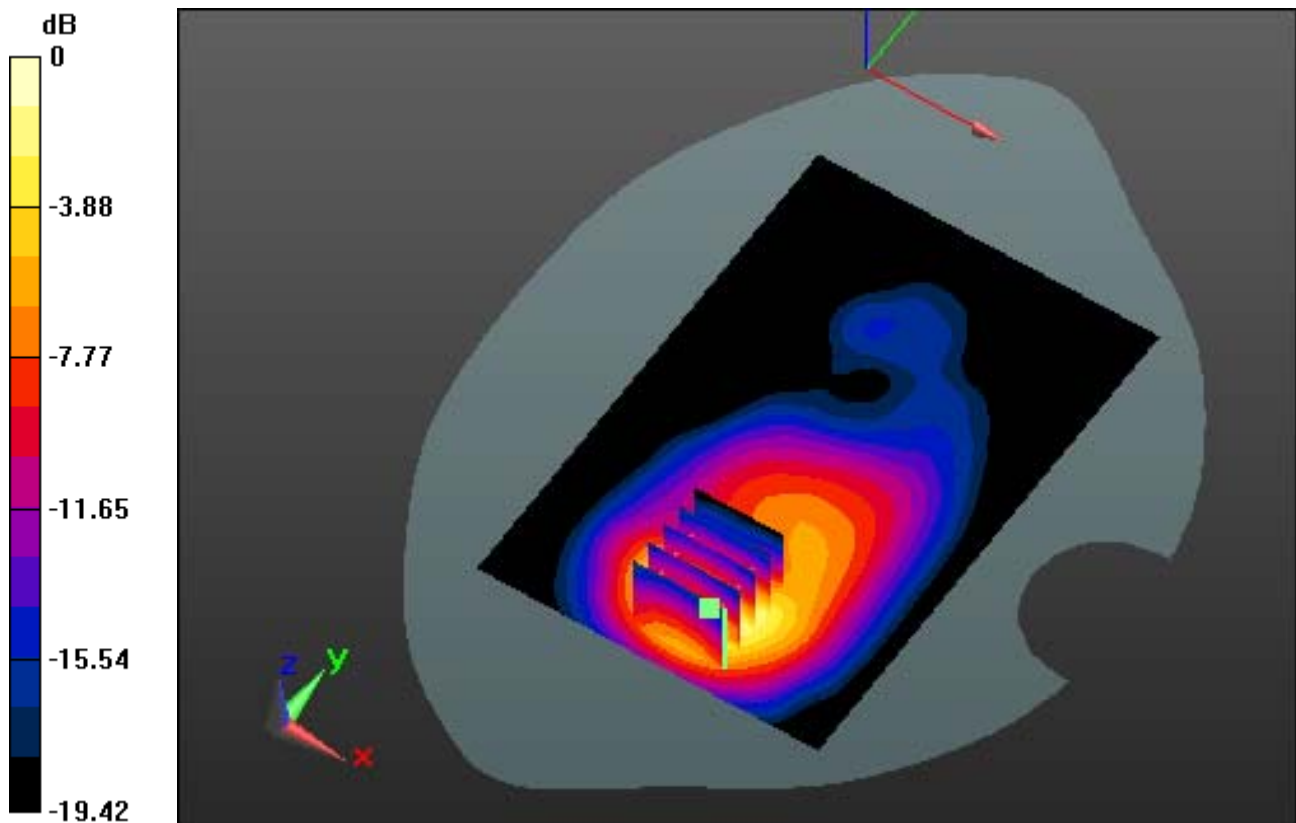
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.850 mW/g

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.512 mW/g**



0 dB = 1.46 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

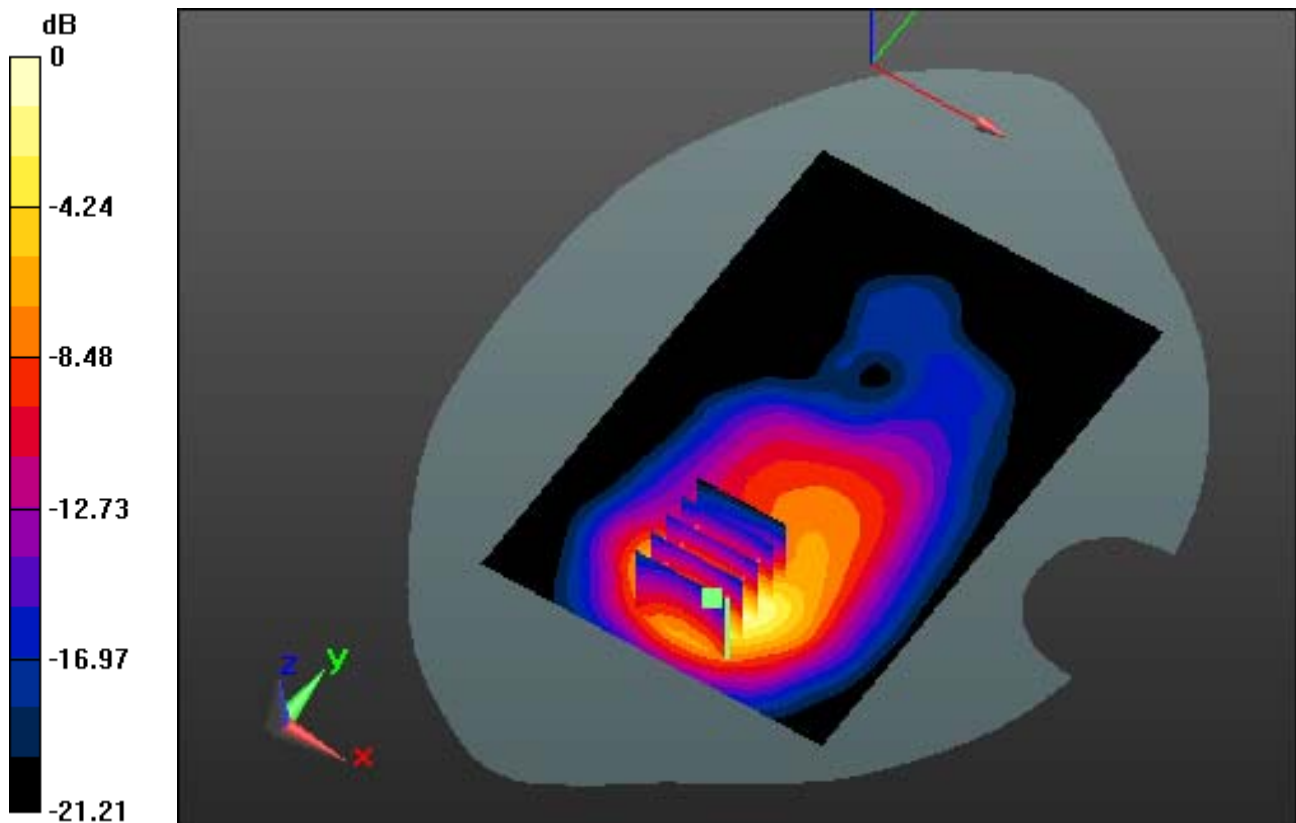
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.227 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.597 mW/g**



0 dB = 1.74 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

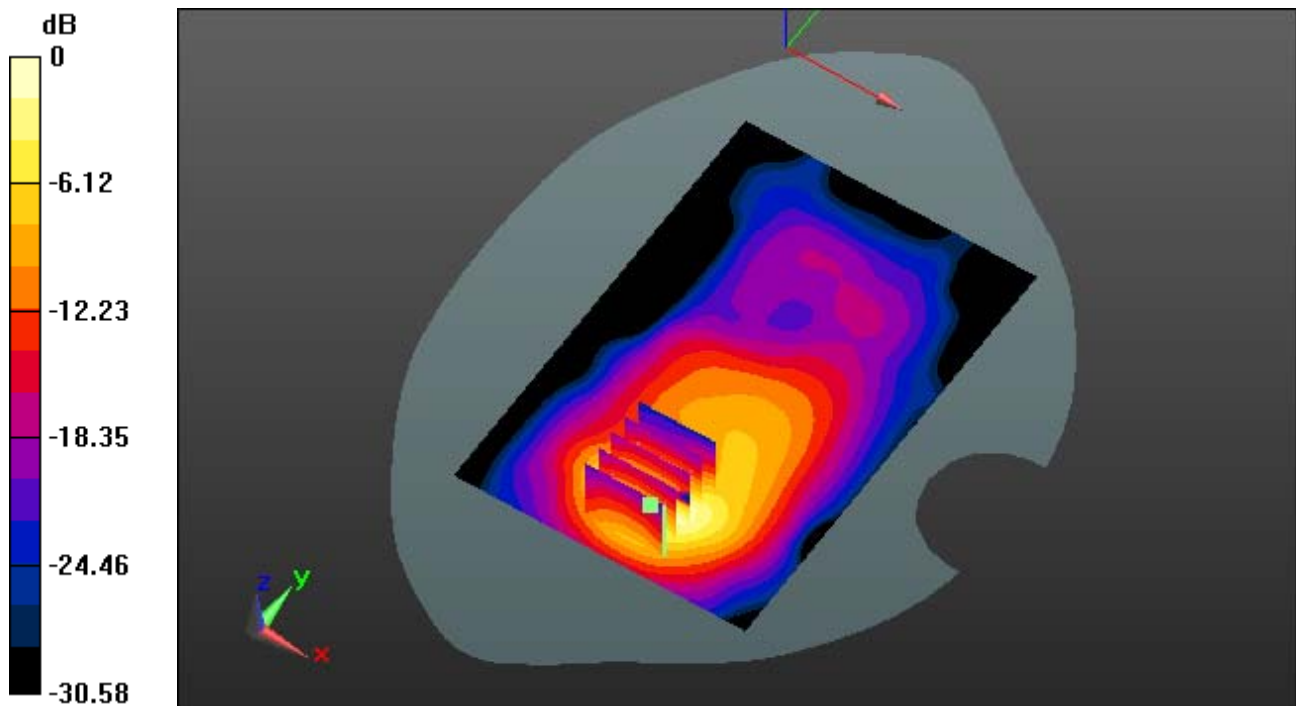
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.455 mW/g

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.546 mW/g**



0 dB = 1.85 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  mho/m;  $\epsilon_r = 51.715$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

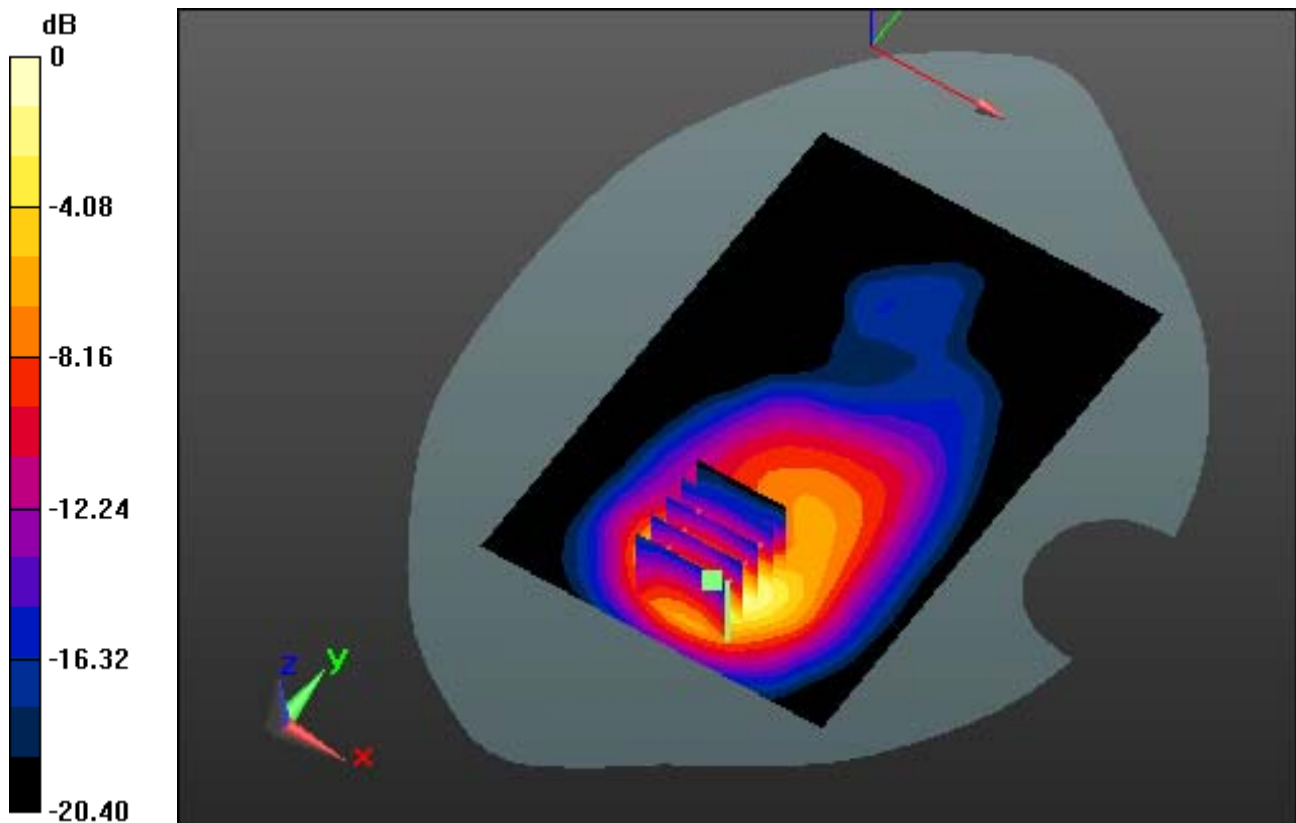
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.988 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.527 mW/g**



0 dB = 1.56 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

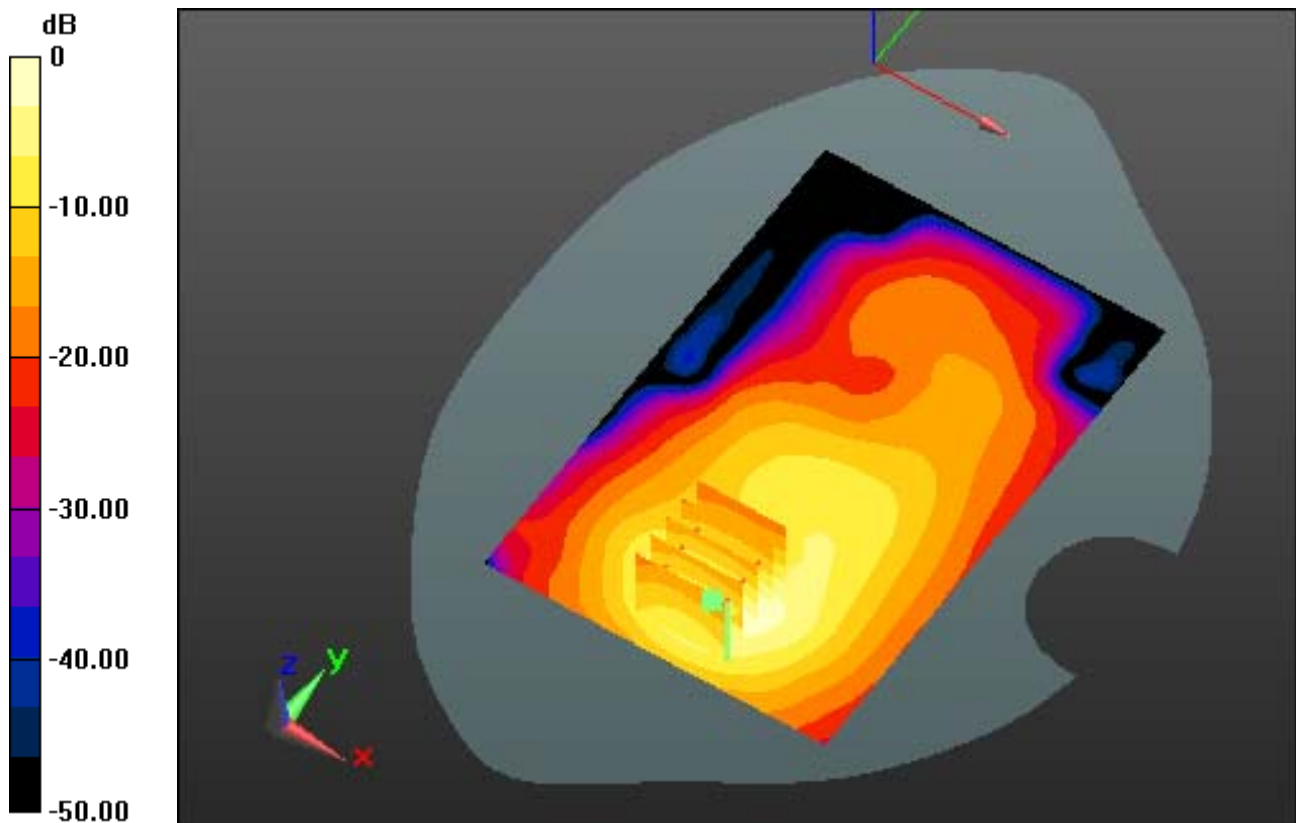
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.124 mW/g

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.558 mW/g**



0 dB = 1.58 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

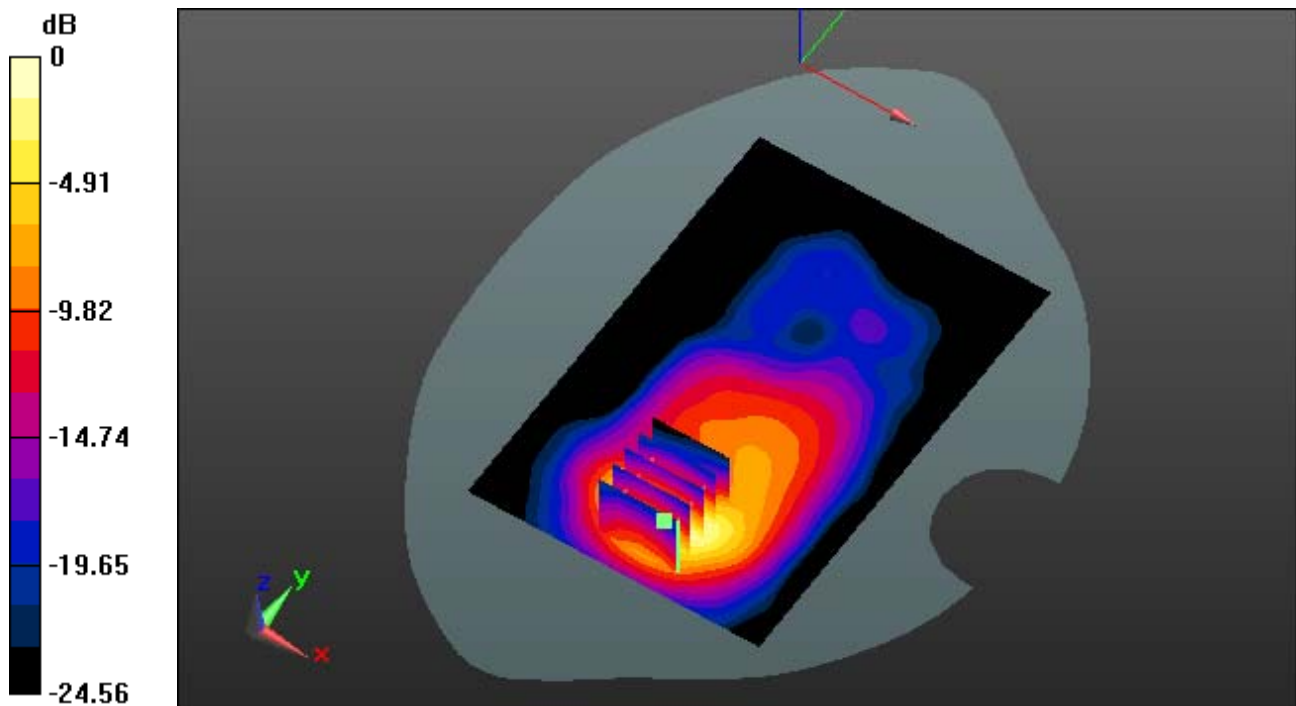
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.524 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.544 mW/g**



0 dB = 1.84 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

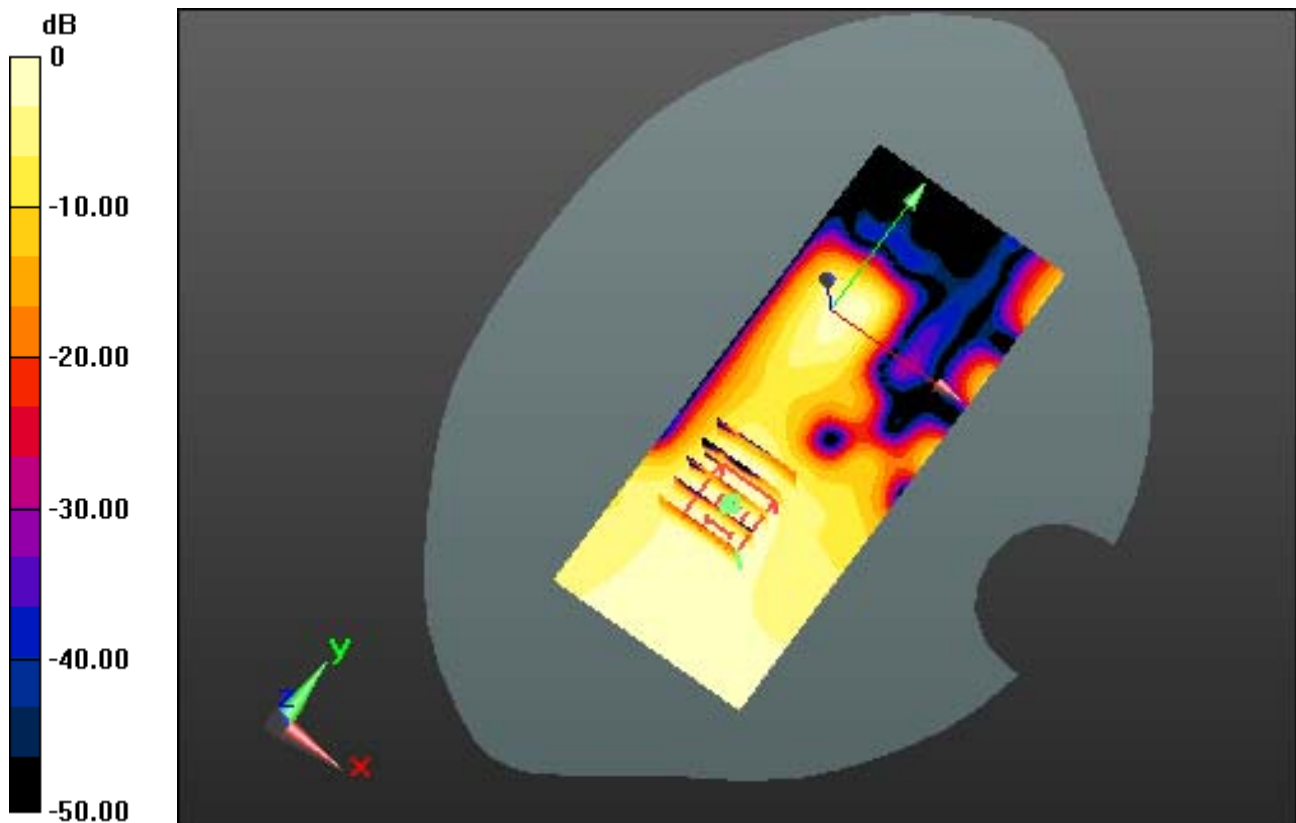
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.146 mW/g

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.022 mW/g



0 dB = 0.0581 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

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

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-15; Ambient Temp: 22.1; Tissue Temp:22.3

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

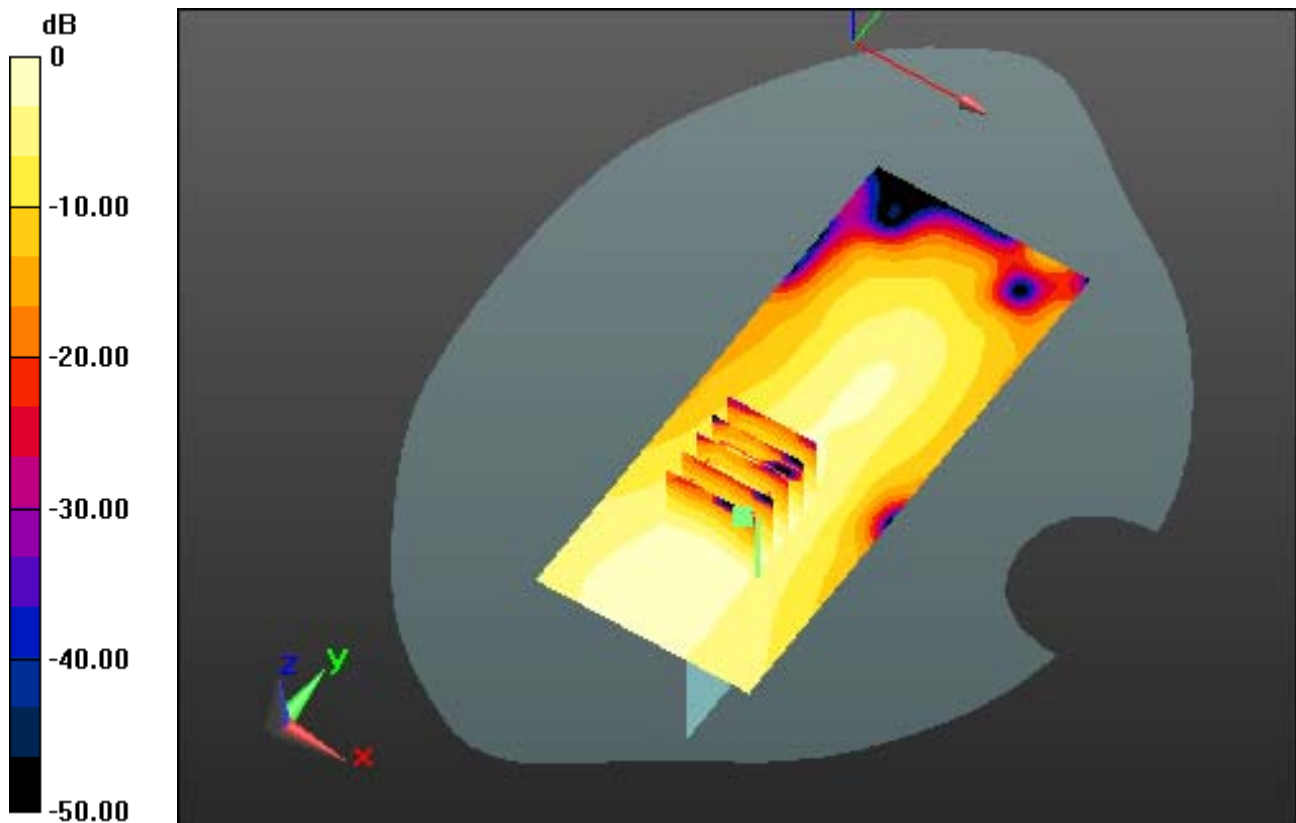
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.184 mW/g

**SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.060 mW/g**



0 dB = 0.146 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp: 22.7

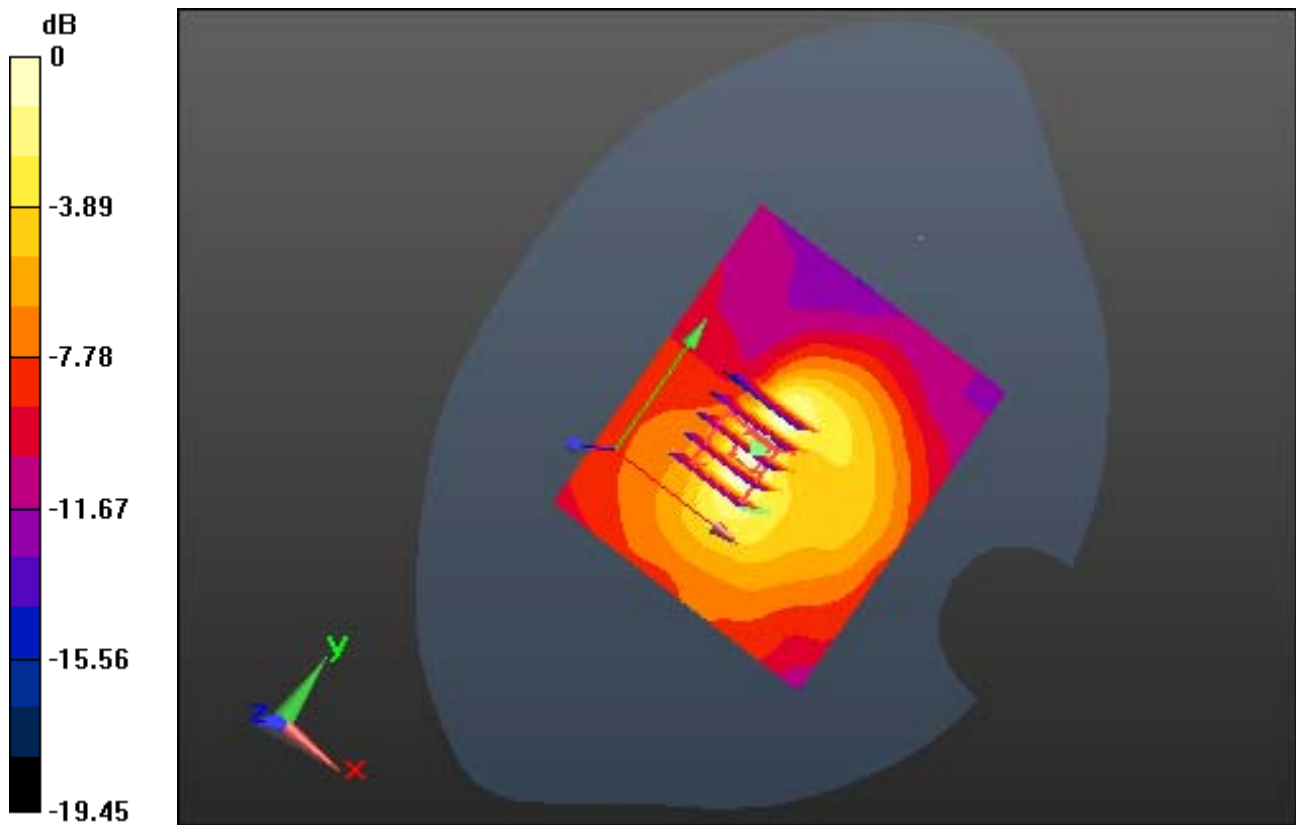
**1 cm space from Body, Bottom, WCDMA Ch. 4183, Ant Internal**

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

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.131 mW/g

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.040 mW/g**



0 dB = 0.102 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp:22.7

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

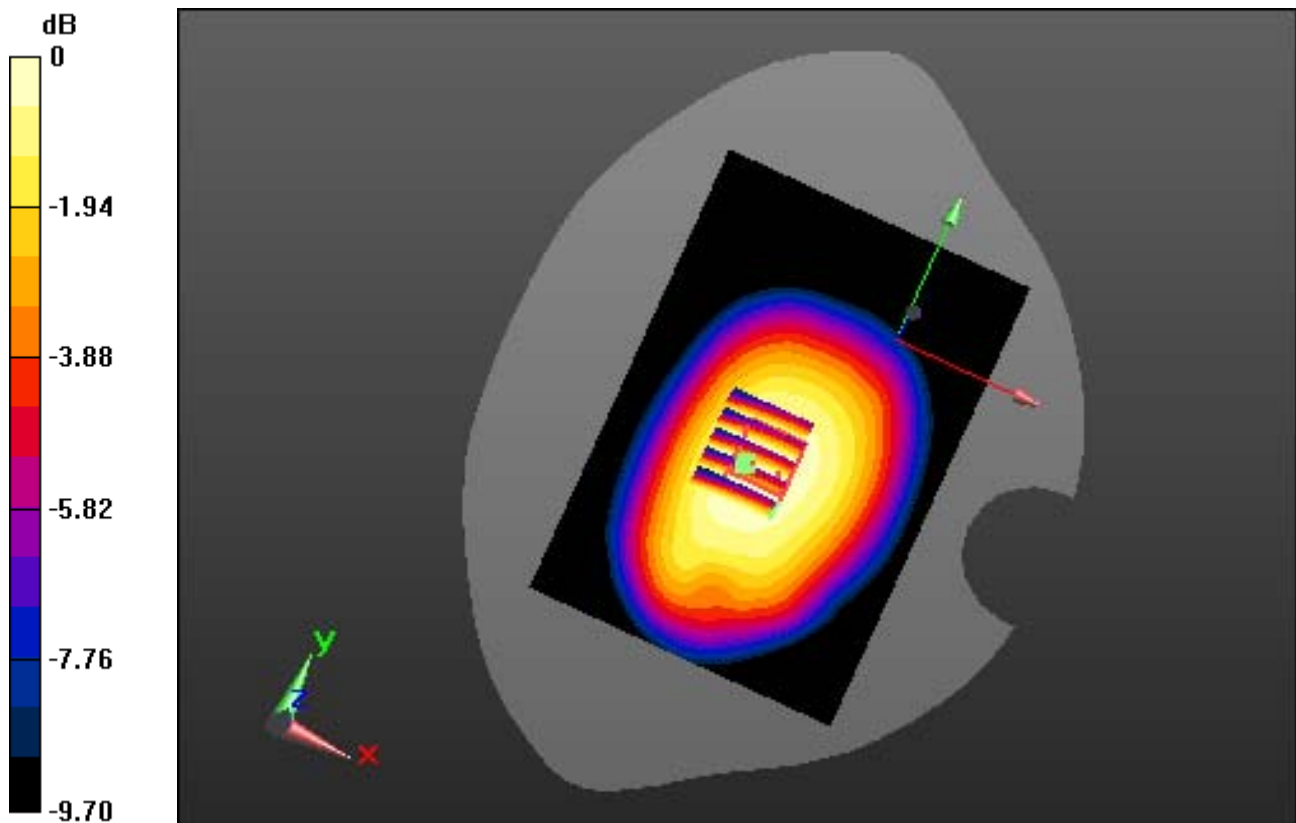
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.556 mW/g

**SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.339 mW/g**



0 dB = 0.507 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679

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

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp:22.7

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

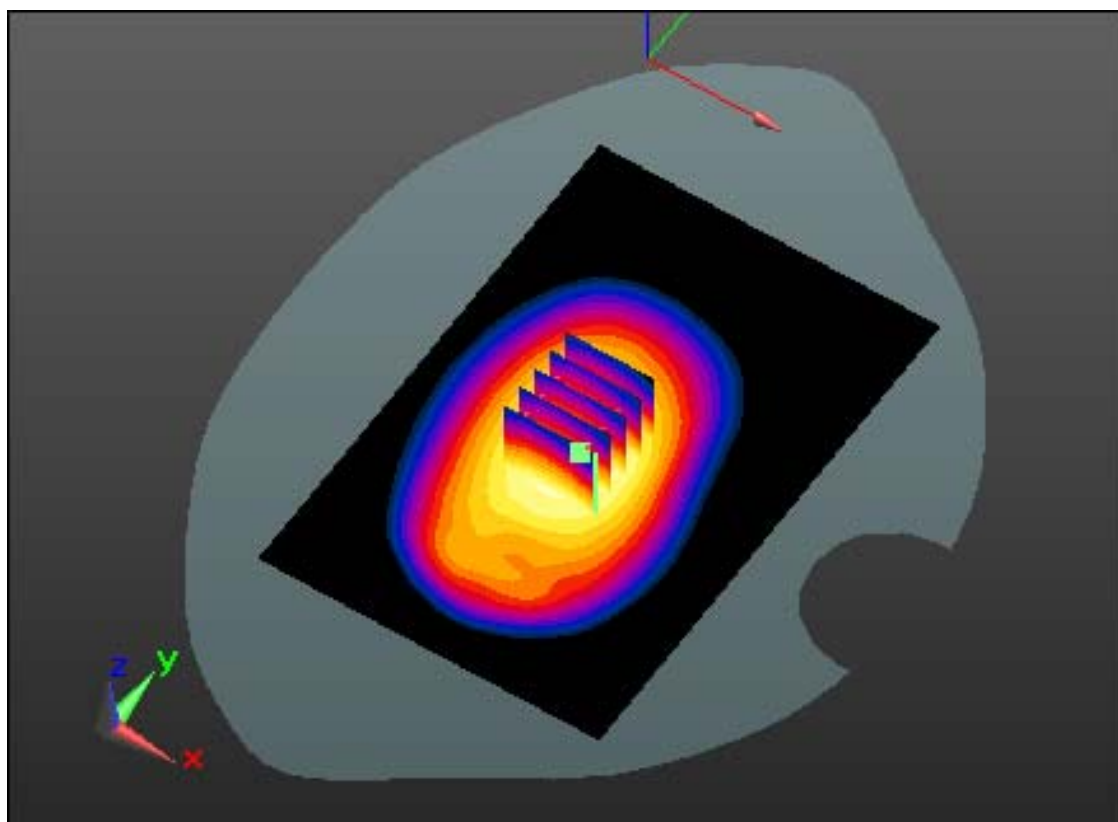
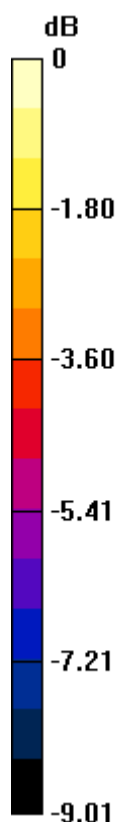
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.822 mW/g

**SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.484 mW/g**



0 dB = 0.748 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp:22.7

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

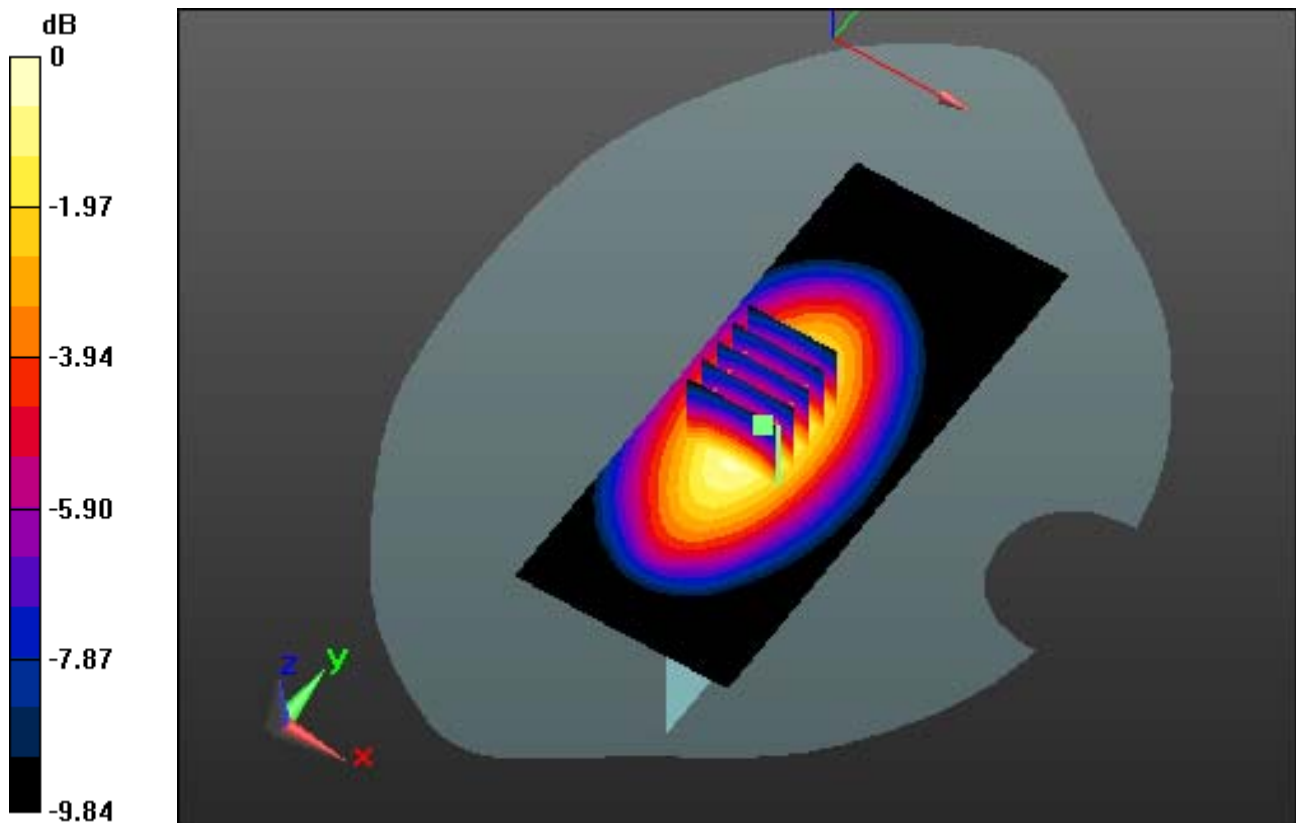
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.864 mW/g

**SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.409 mW/g**



0 dB = 0.744 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 53.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-16; Ambient Temp: 22.6; Tissue Temp:22.7

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

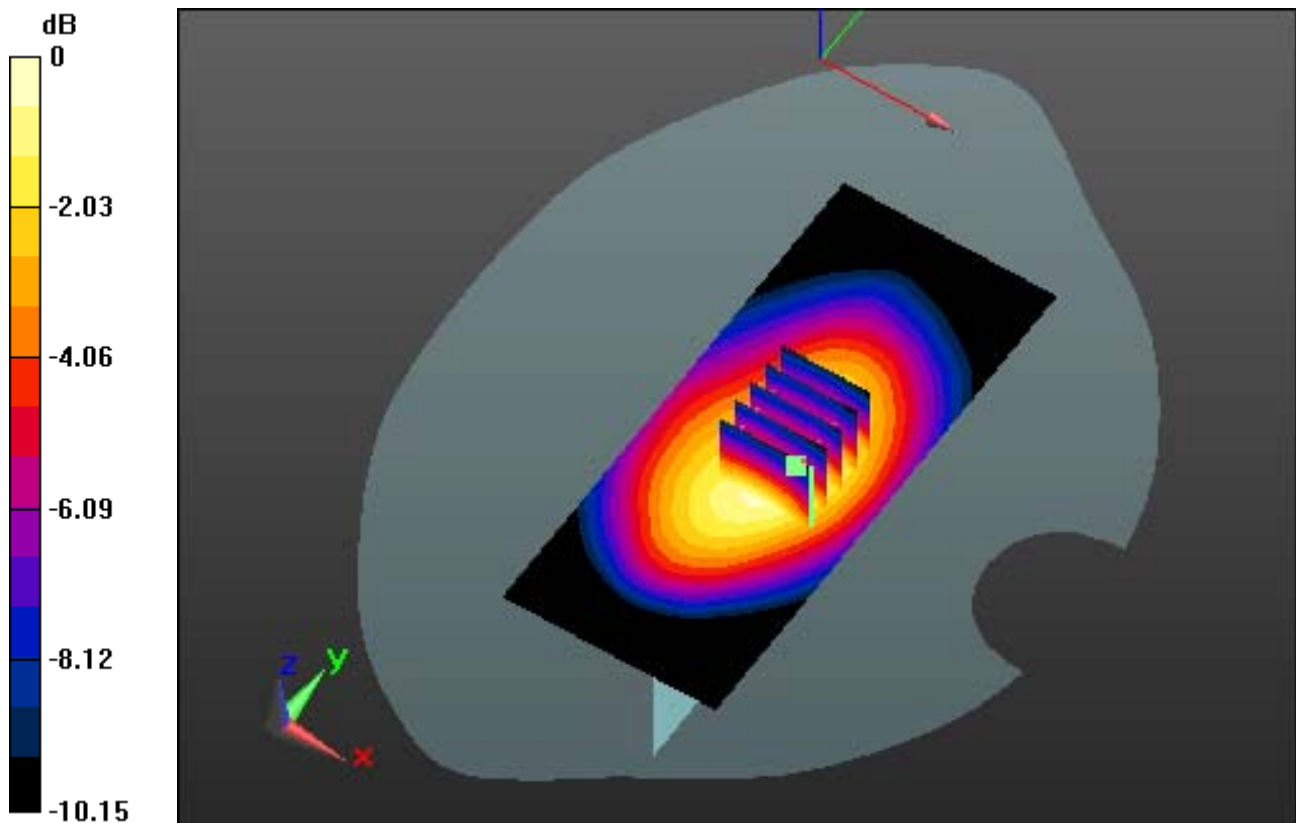
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.371 mW/g

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.172 mW/g**



0 dB = 0.317 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp:22.5

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

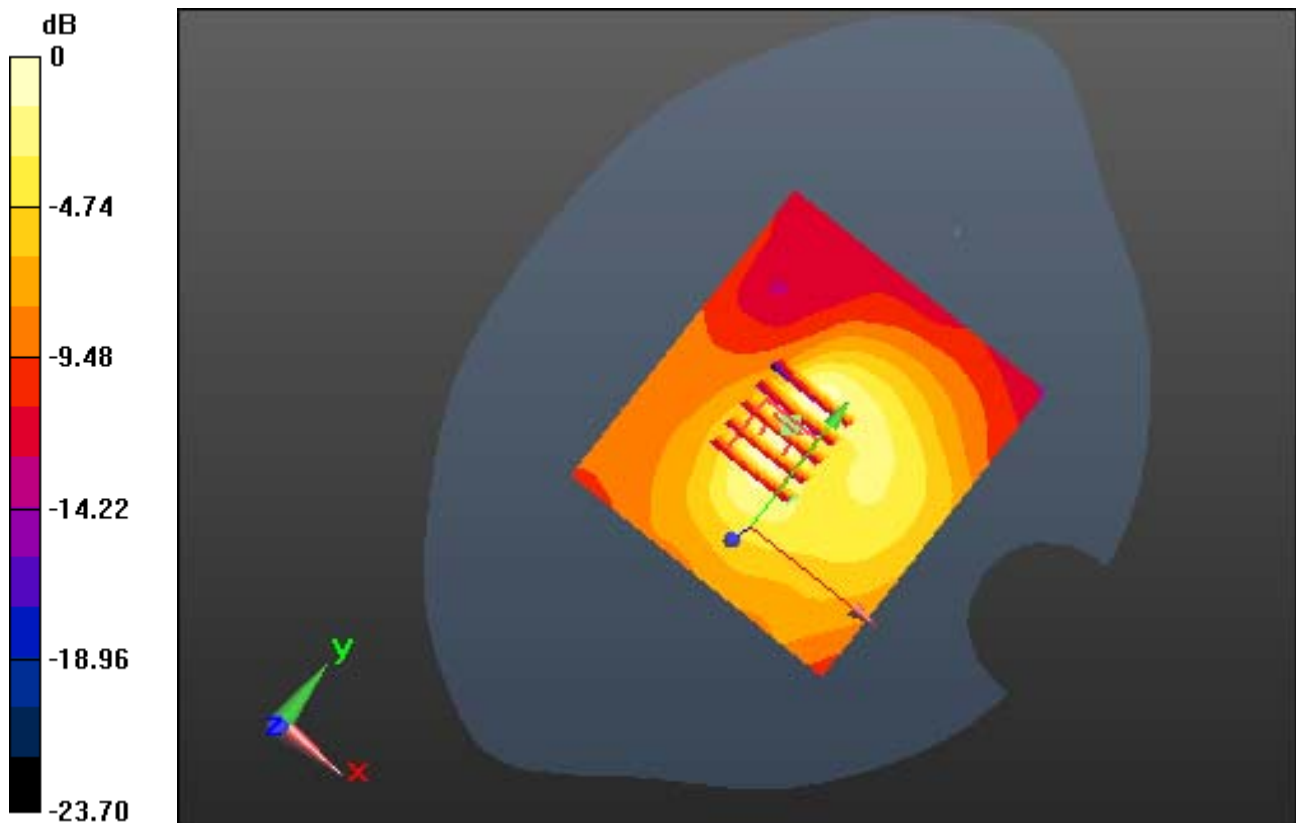
**Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.123 mW/g

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.039 mW/g**



0 dB = 0.0966 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp:22.5

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

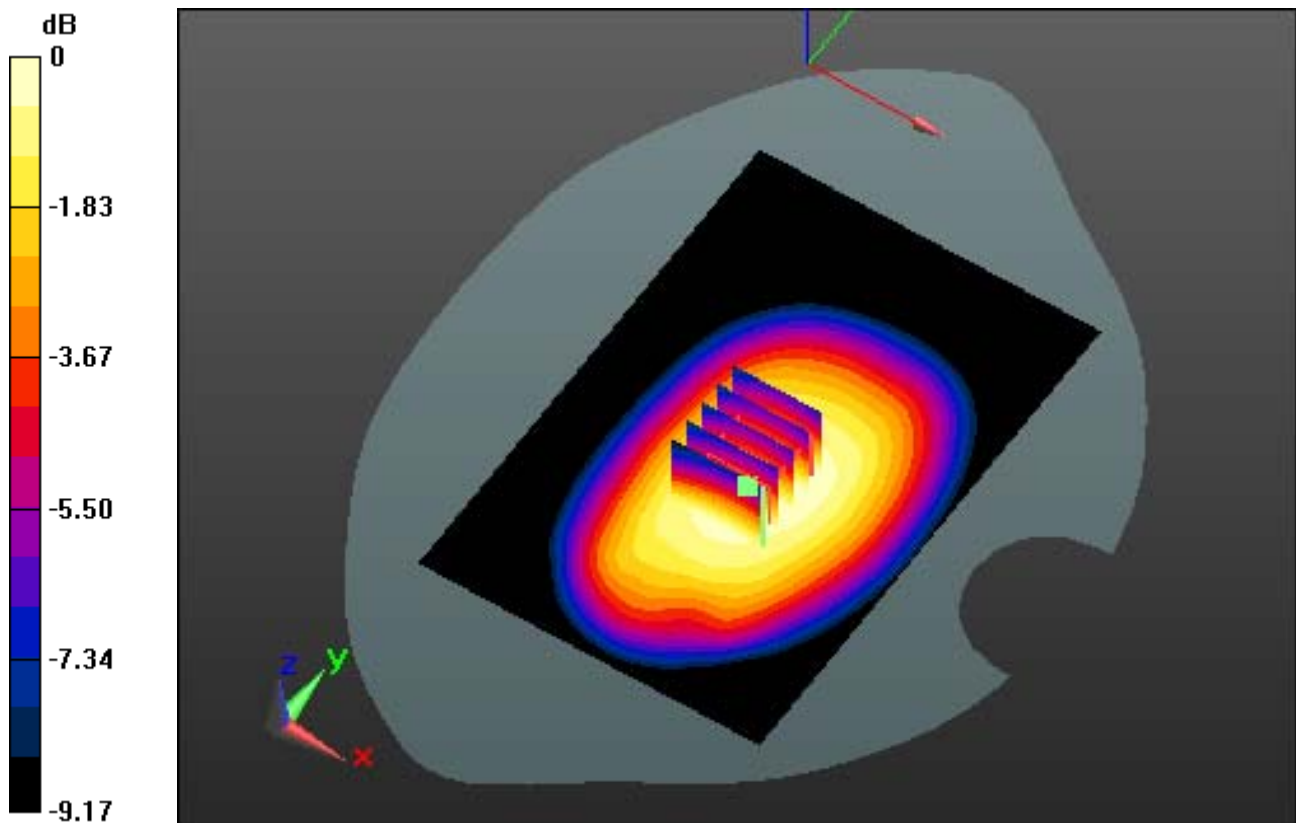
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.654 mW/g

**SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.395 mW/g**



0 dB = 0.594 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp:22.5

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

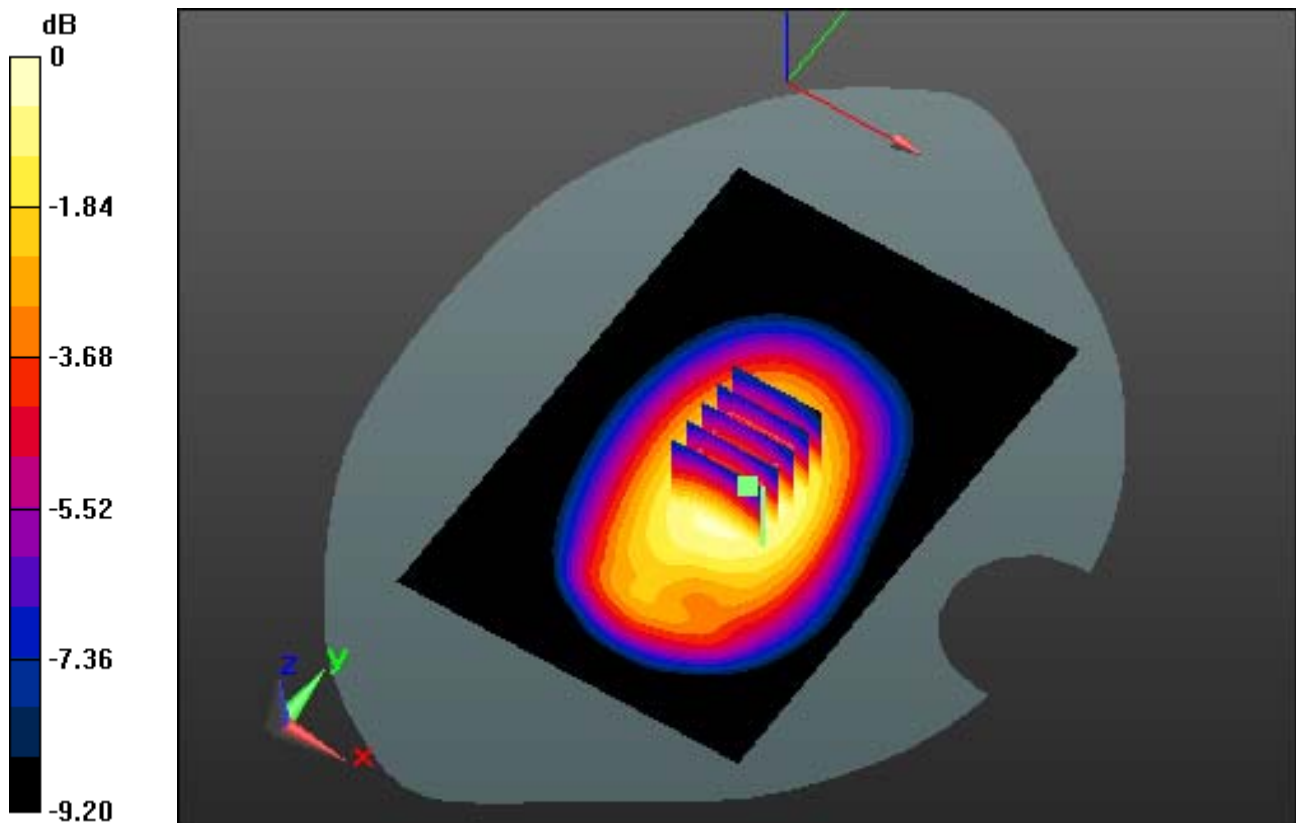
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.953 mW/g

**SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.558 mW/g**



0 dB = 0.863 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp:22.5

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

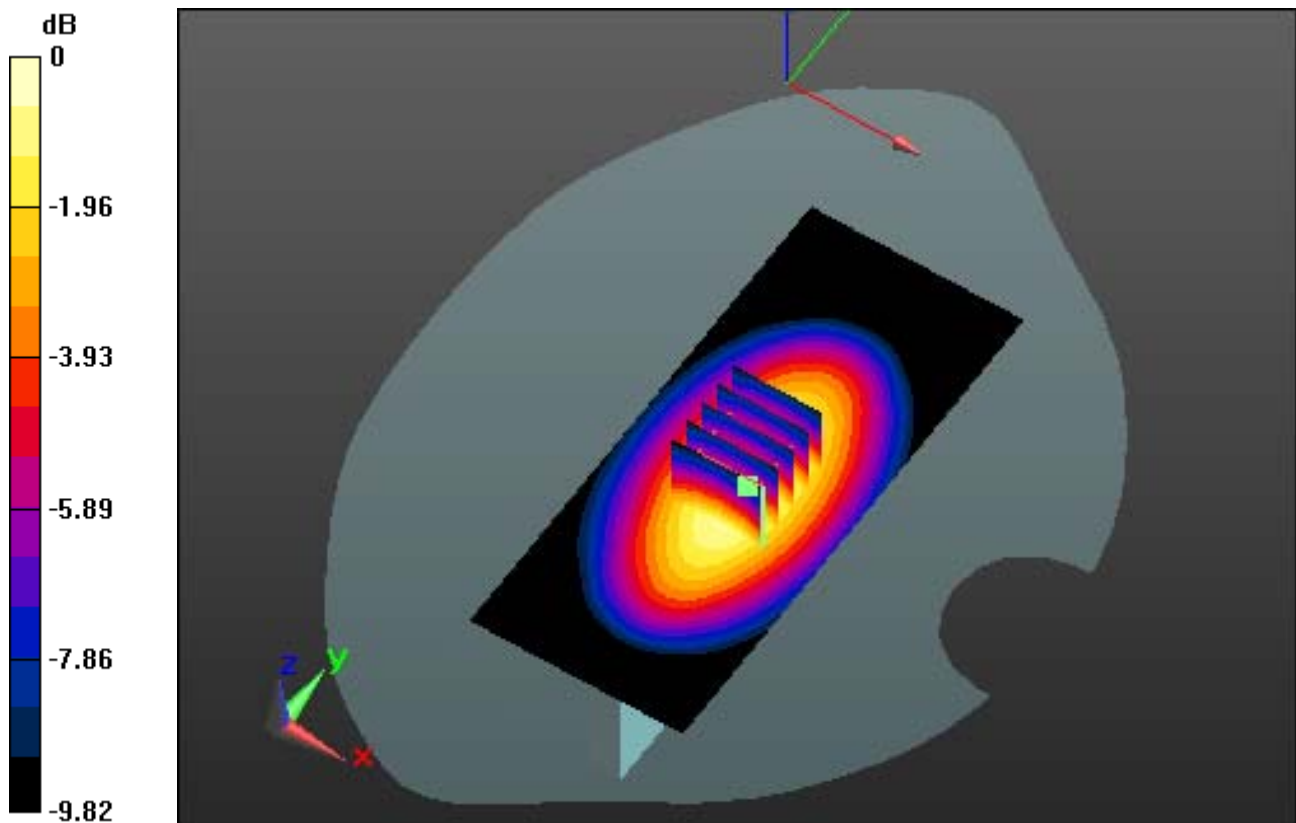
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.017 mW/g

**SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.486 mW/g**



0 dB = 0.880 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-17; Ambient Temp: 22.4; Tissue Temp:22.5

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

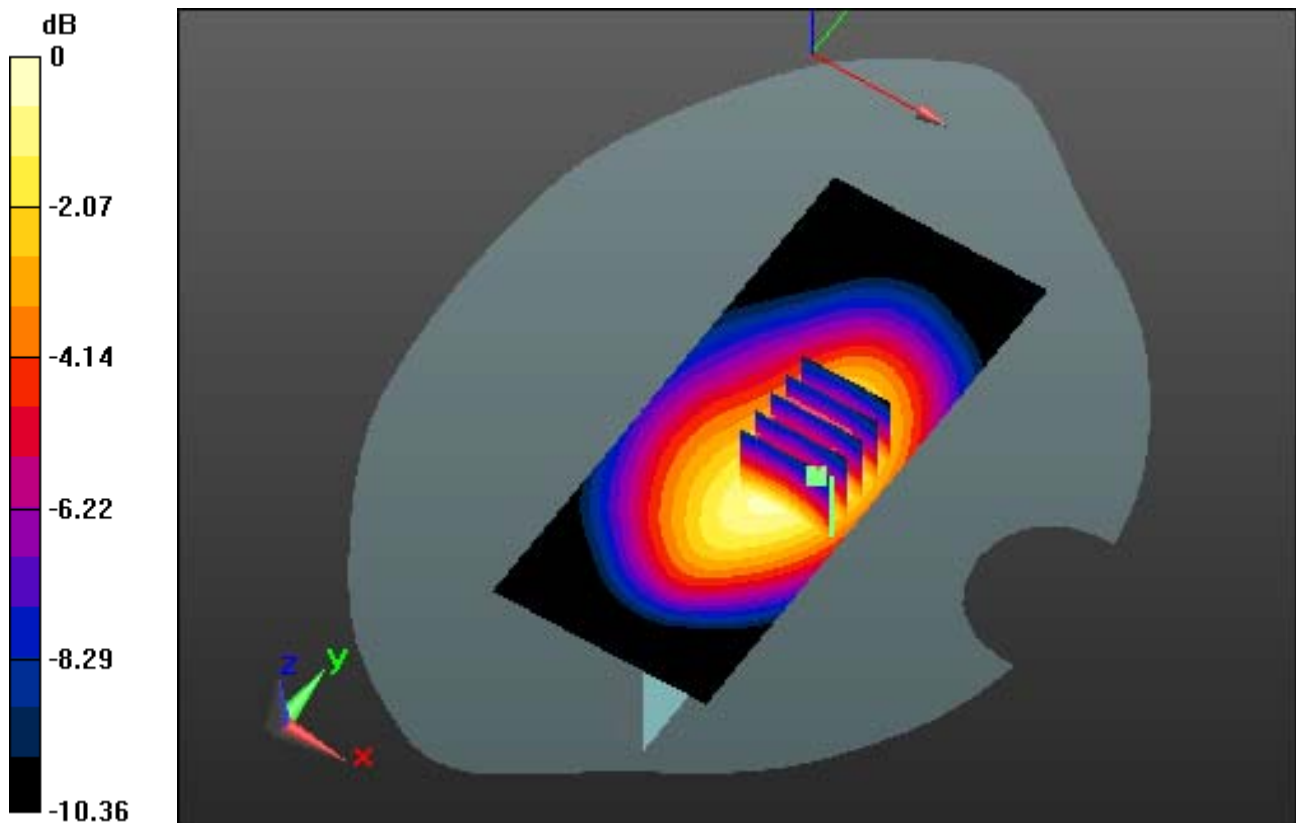
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.442 mW/g

**SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.205 mW/g**



0 dB = 0.373 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

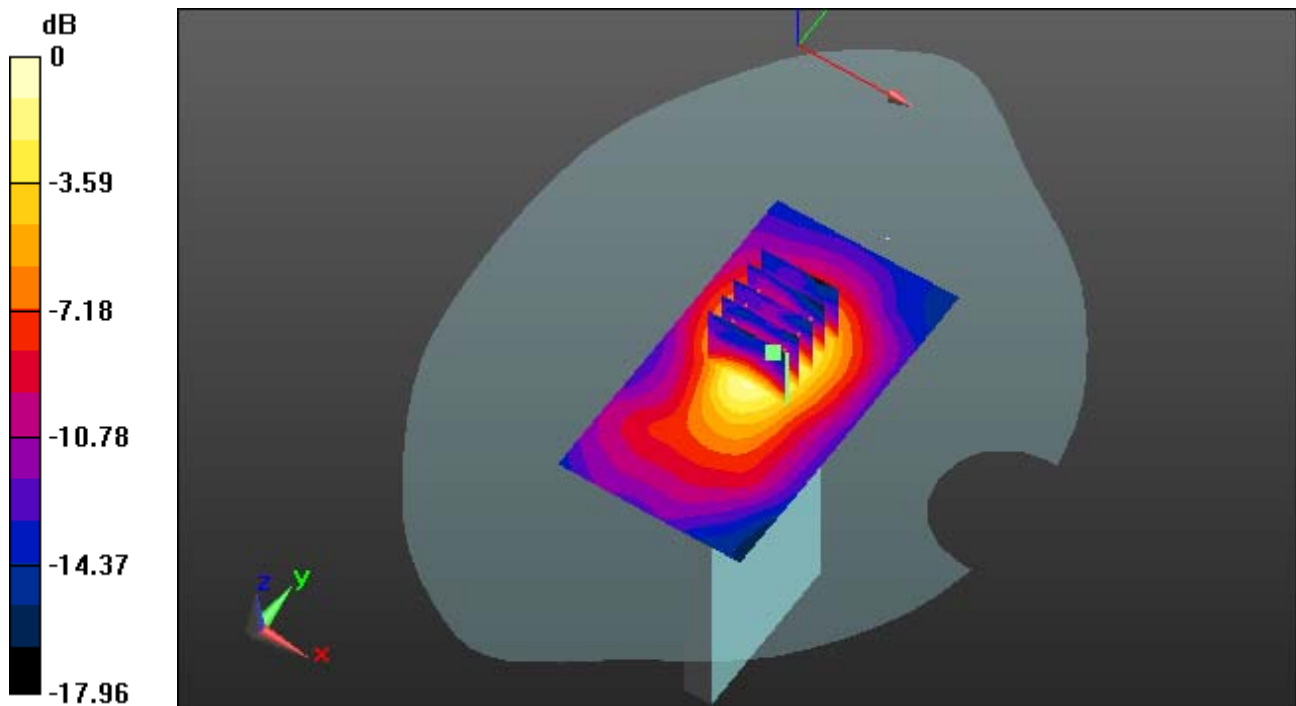
**1 cm space from Body, Top, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (51x91x1):** 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) = 0.203 mW/g

**SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.052 mW/g**



0 dB = 0.147 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

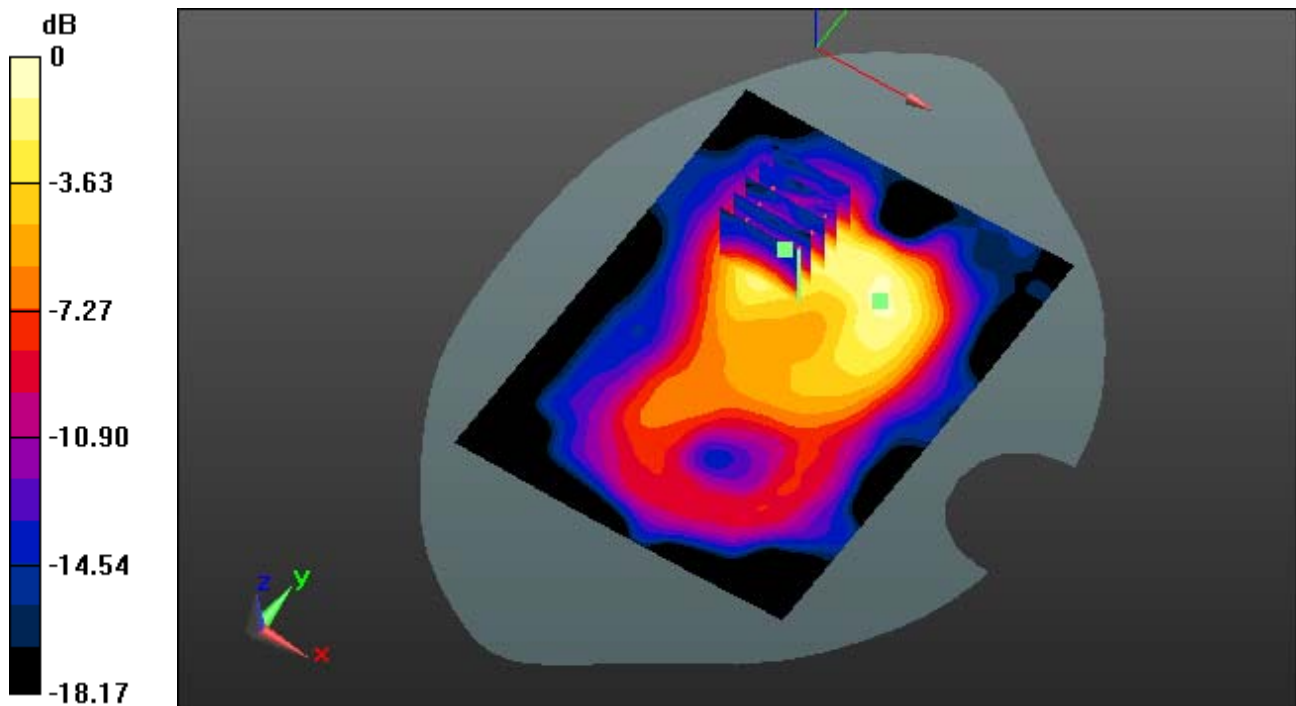
**1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (91x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.233 mW/g

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.052 mW/g



0 dB = 0.164 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

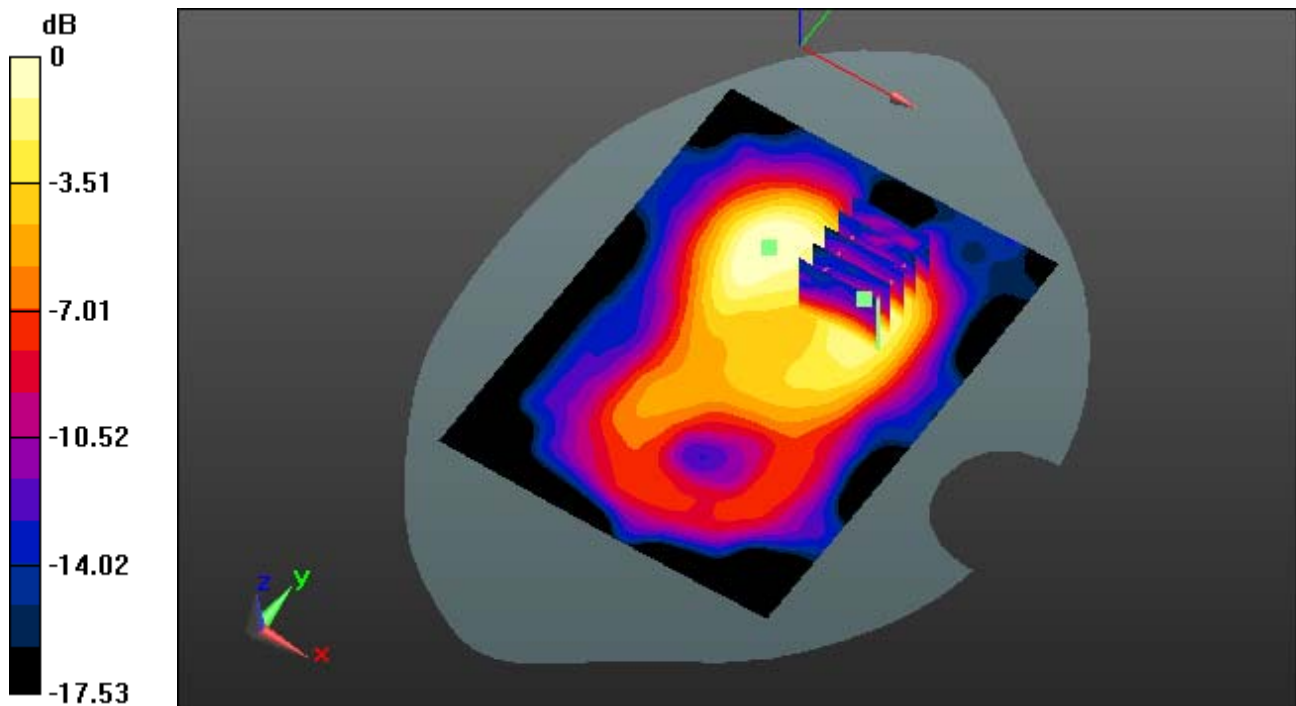
**1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (91x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.181 mW/g

**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.045 mW/g**



0 dB = 0.130 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

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

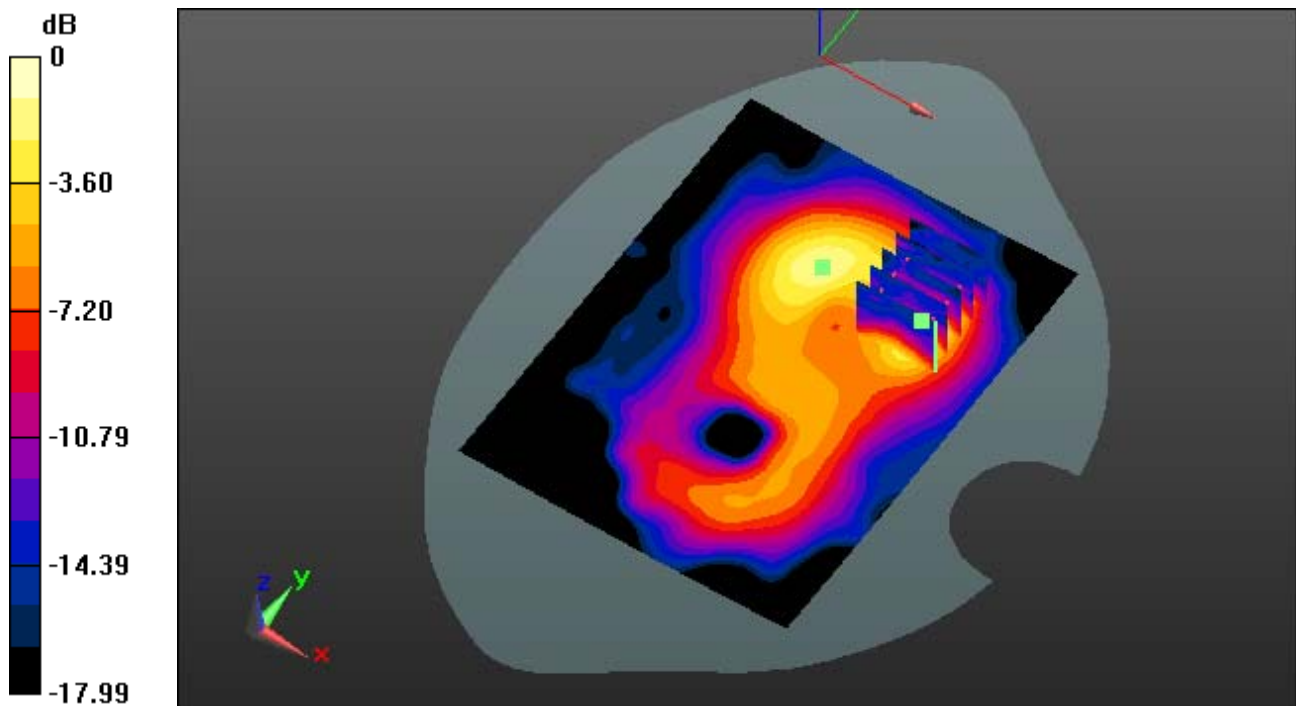
**Area Scan (91x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.262 mW/g

**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.051 mW/g**



0 dB = 0.178 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

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

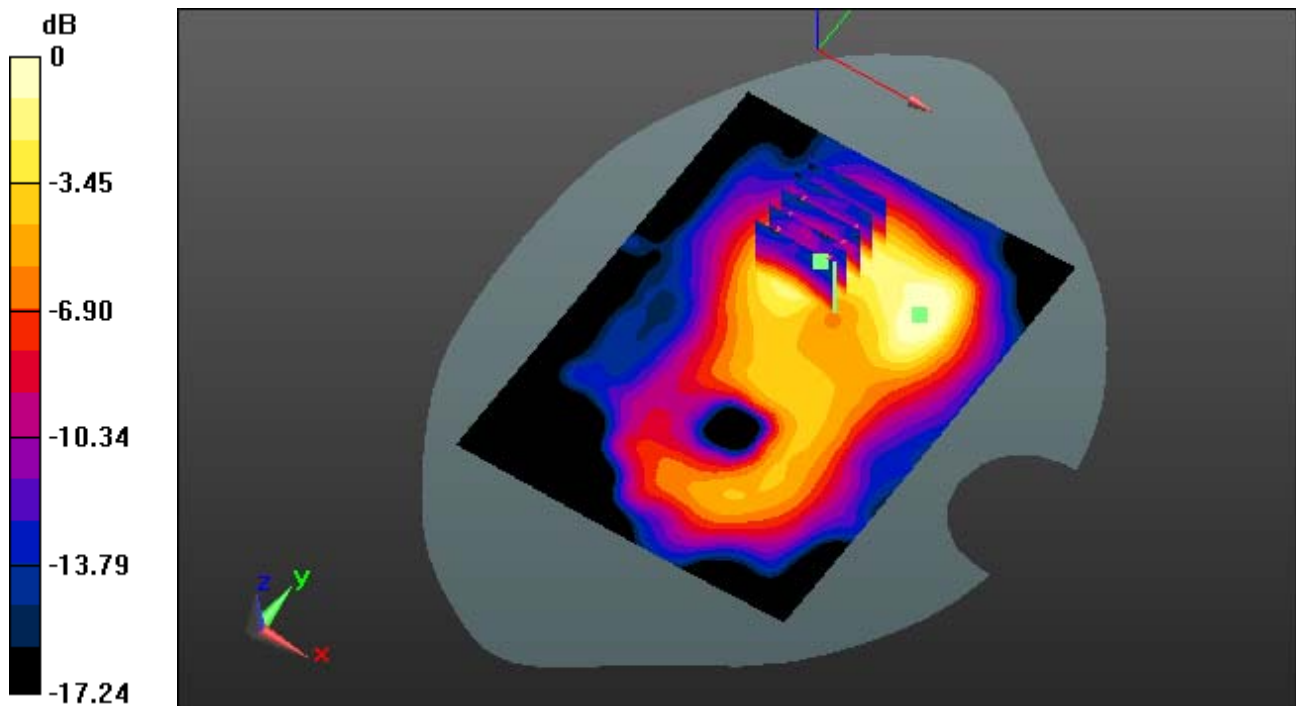
**Area Scan (91x121x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.259 mW/g

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.049 mW/g**



0 dB = 0.131 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.943$  mho/m;  $\epsilon_r = 51.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

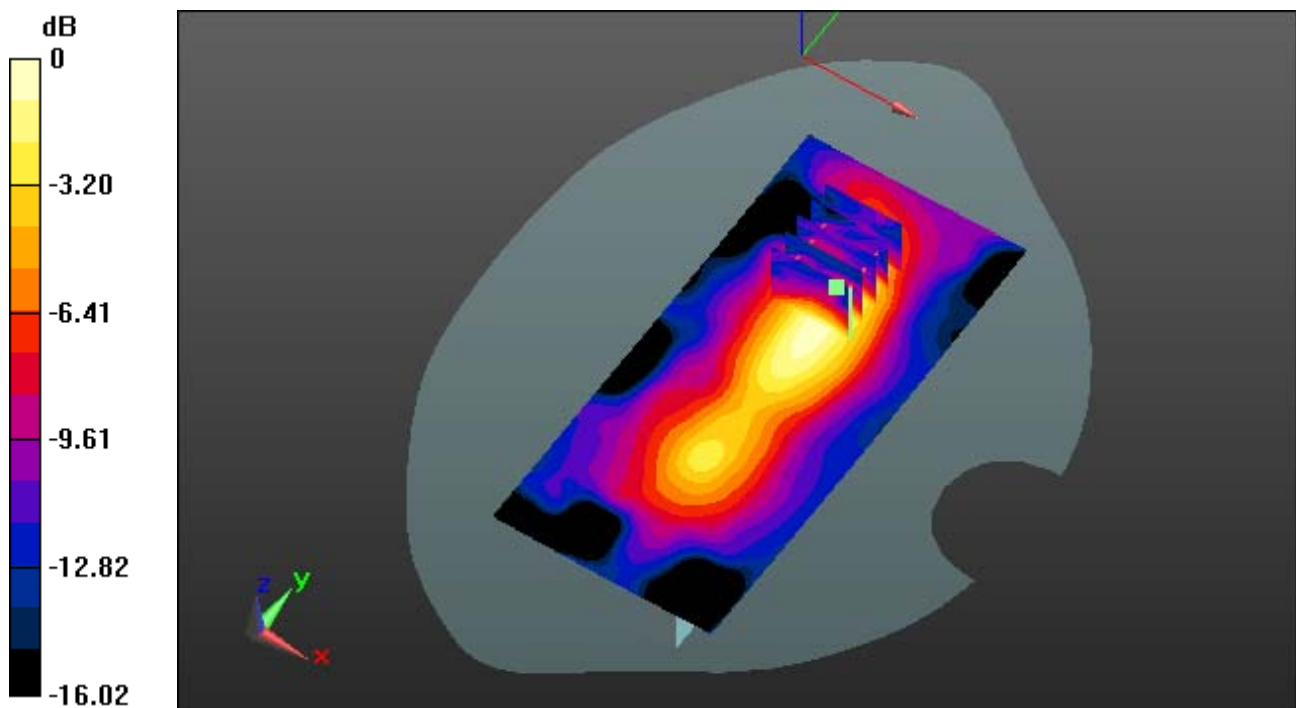
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-18; Ambient Temp: 22.2; Tissue Temp:22.4

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

**Area Scan (61x131x1):** 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) = 0.140 mW/g  
**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.031 mW/g**



0 dB = 0.0928 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5200; Frequency: 5180 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.105$  mho/m;  $\epsilon_r = 47.446$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.23, 4.23, 4.23); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-20; Ambient Temp: 22.5; Tissue Temp:22.6

**1 cm space from Body, Rear, W-LAN(802.11a - 5.2 G Band) Ch. 36, Ant Internal**

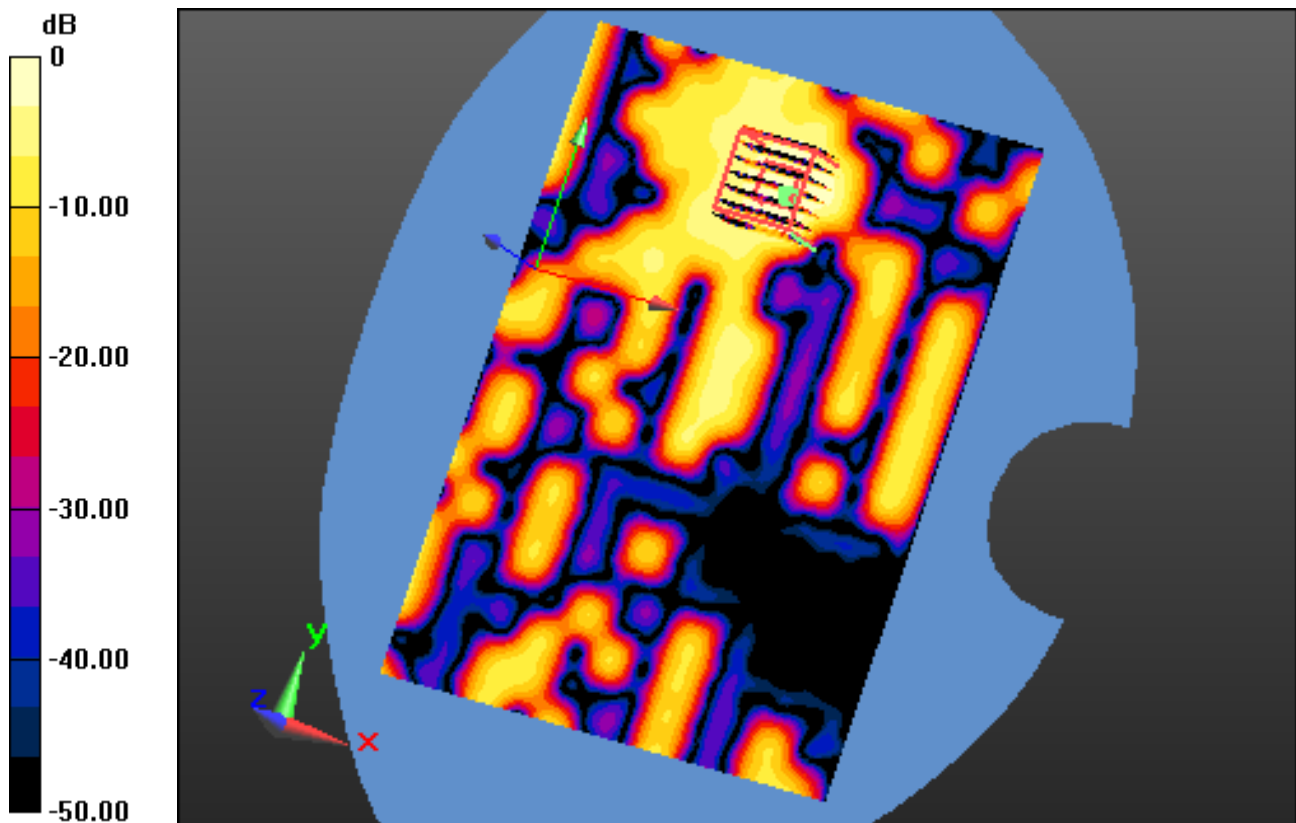
**Area Scan (131x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.596 mW/g

**SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.025 mW/g**



0 dB = 0.171 mW/g

# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5300; Frequency: 5260 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.26$  mho/m;  $\epsilon_r = 47.373$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(4.05, 4.05, 4.05); Calibrated: 2012-01-27; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-20; Ambient Temp: 22.5; Tissue Temp:22.6

**1 cm space from Body, Rear, W-LAN(802.11a - 5.3 G Band) Ch. 52, Ant Internal**

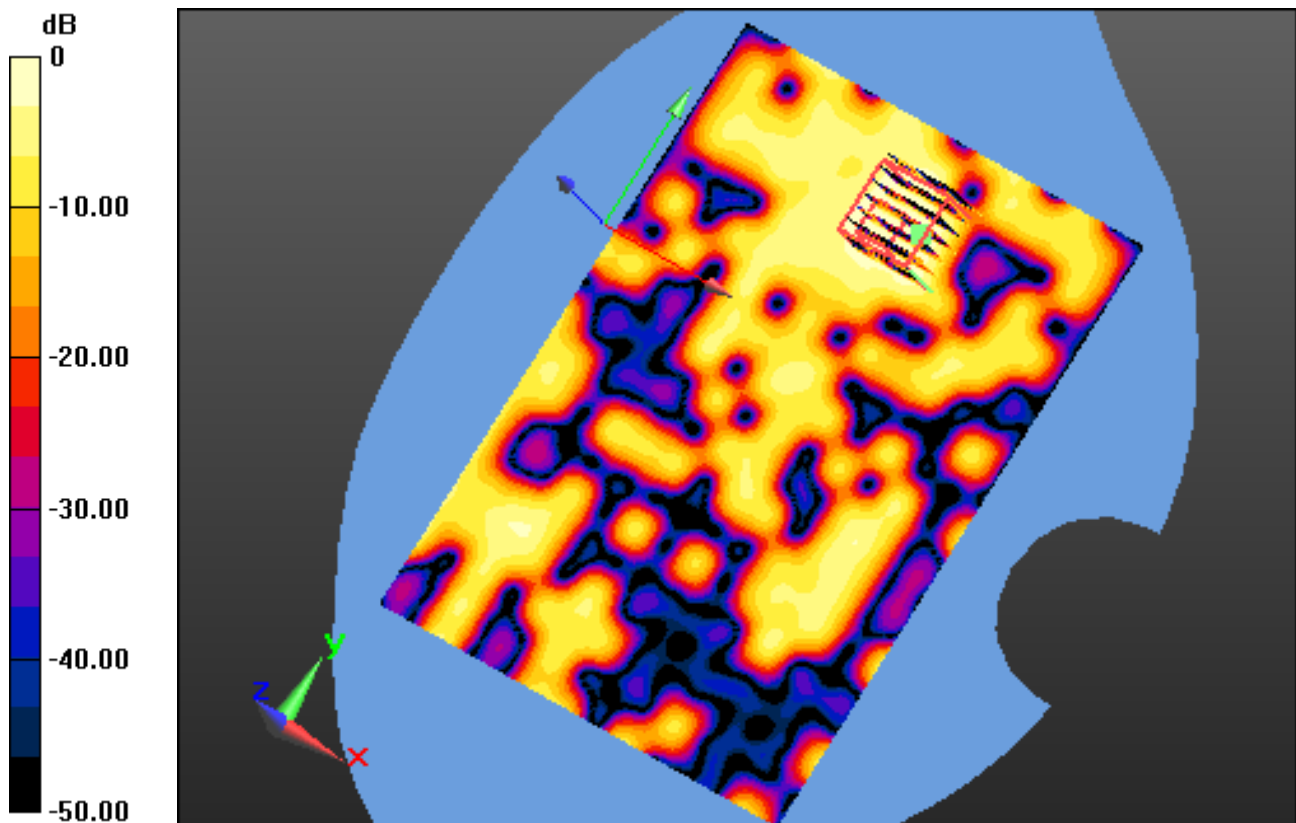
**Area Scan (131x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.497 mW/g

**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.016 mW/g**



0 dB = 0.140 mW/g



# DIGITAL EMC CO., LTD

**DUT: KYL21; Type: Bar**

Communication System: W-LAN\_5500; Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.594$  mho/m;  $\epsilon_r = 46.935$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(3.86, 3.86, 3.86); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-09-20; Ambient Temp: 22.5; Tissue Temp:22.6

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

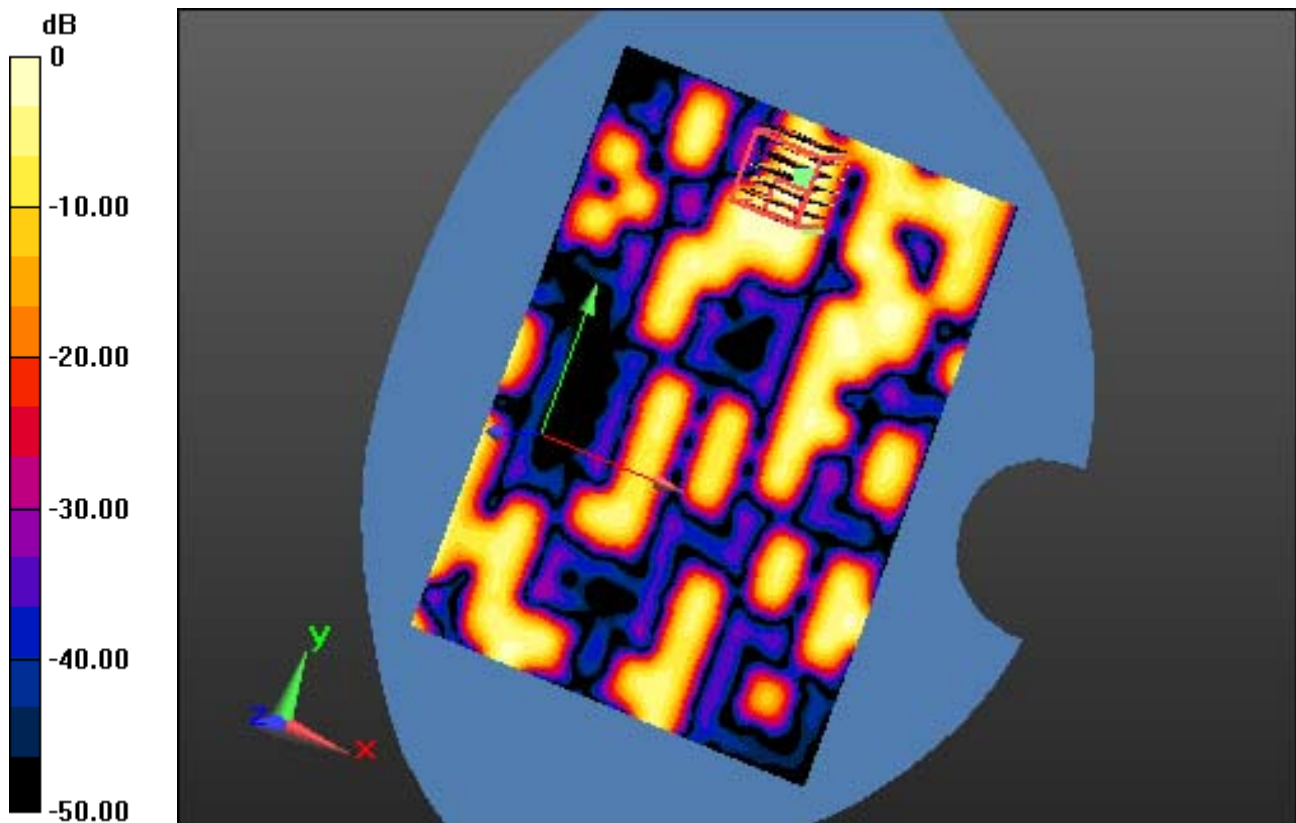
**Area Scan (131x181x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.541 mW/g

**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.016 mW/g**



0 dB = 0.125 mW/g