

### #13\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_1cm\_Ch128

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 54.662$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.648 mW/g

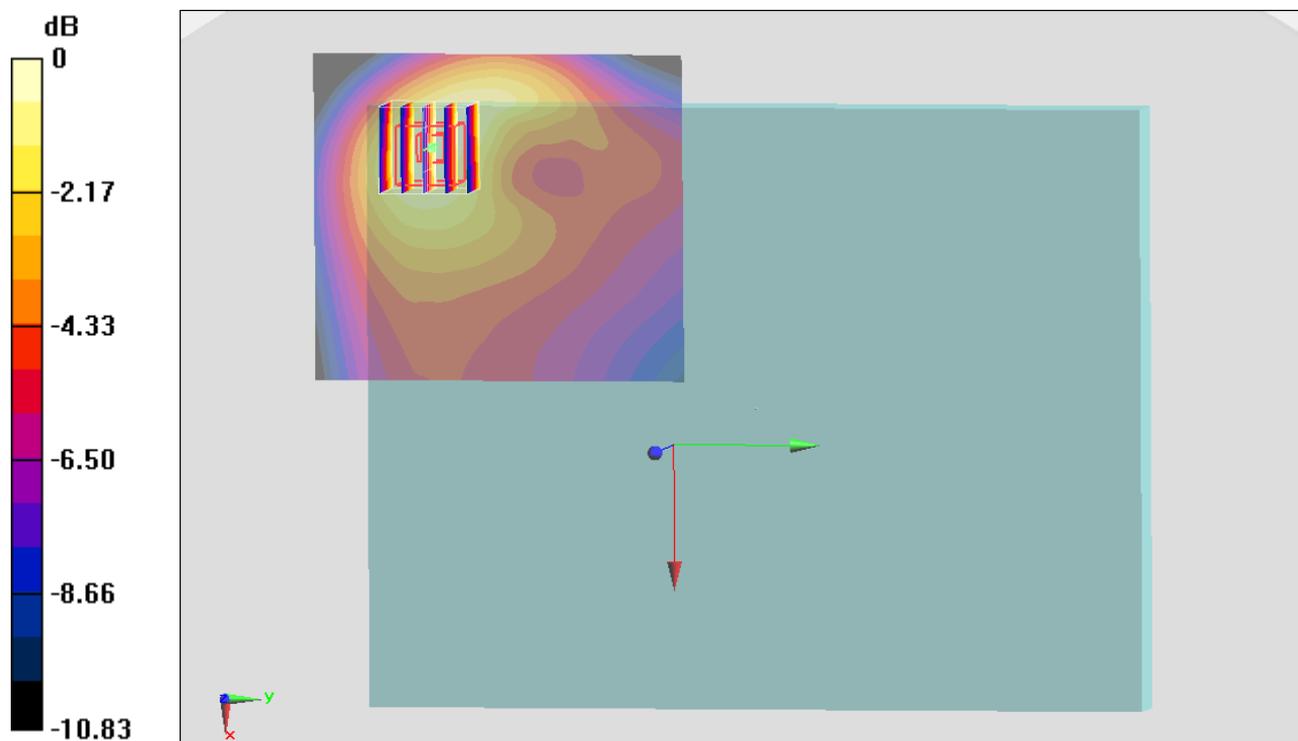
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.038 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.805 mW/g

**SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.404 mW/g**

Maximum value of SAR (measured) = 0.635 mW/g



0 dB = 0.635 mW/g = -3.94 dB mW/g

### #14\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_1cm\_Ch189

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.677 mW/g

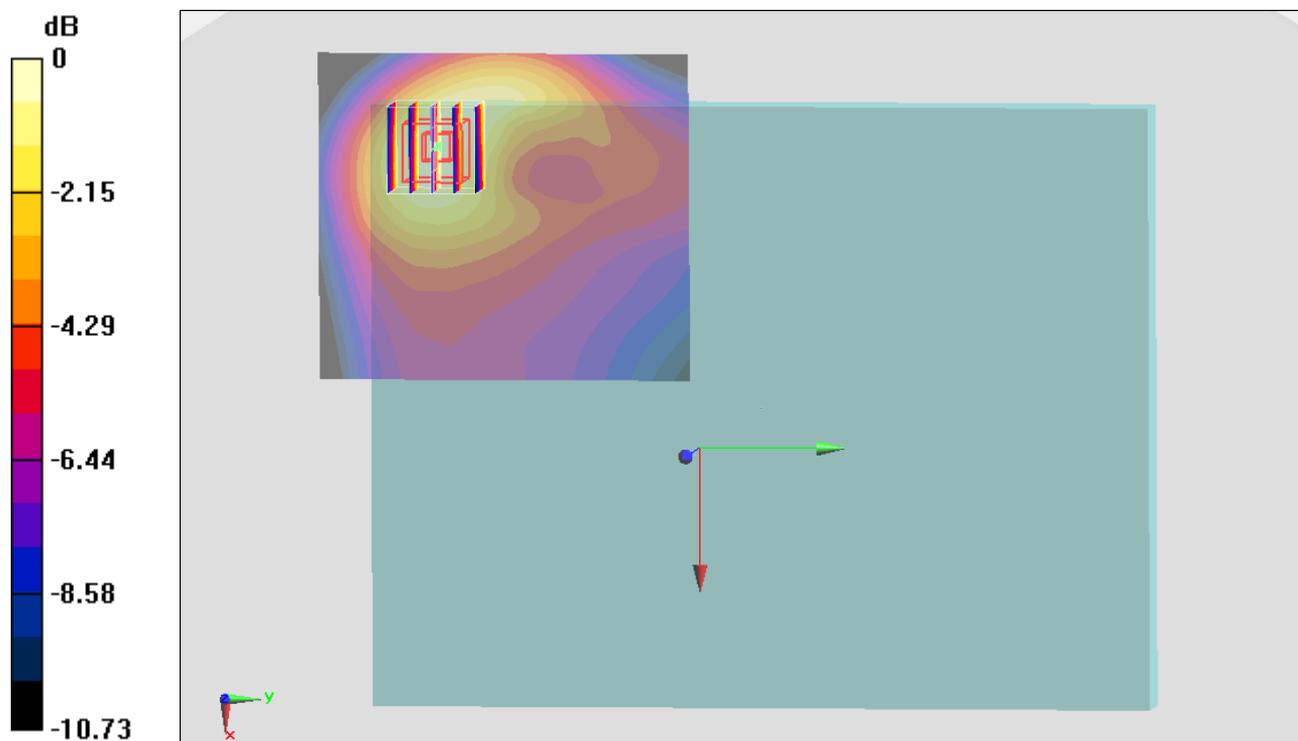
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.447 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.852 mW/g

**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.424 mW/g**

Maximum value of SAR (measured) = 0.670 mW/g



0 dB = 0.670 mW/g = -3.48 dB mW/g

### #15\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_1cm\_Ch251

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.792 mW/g

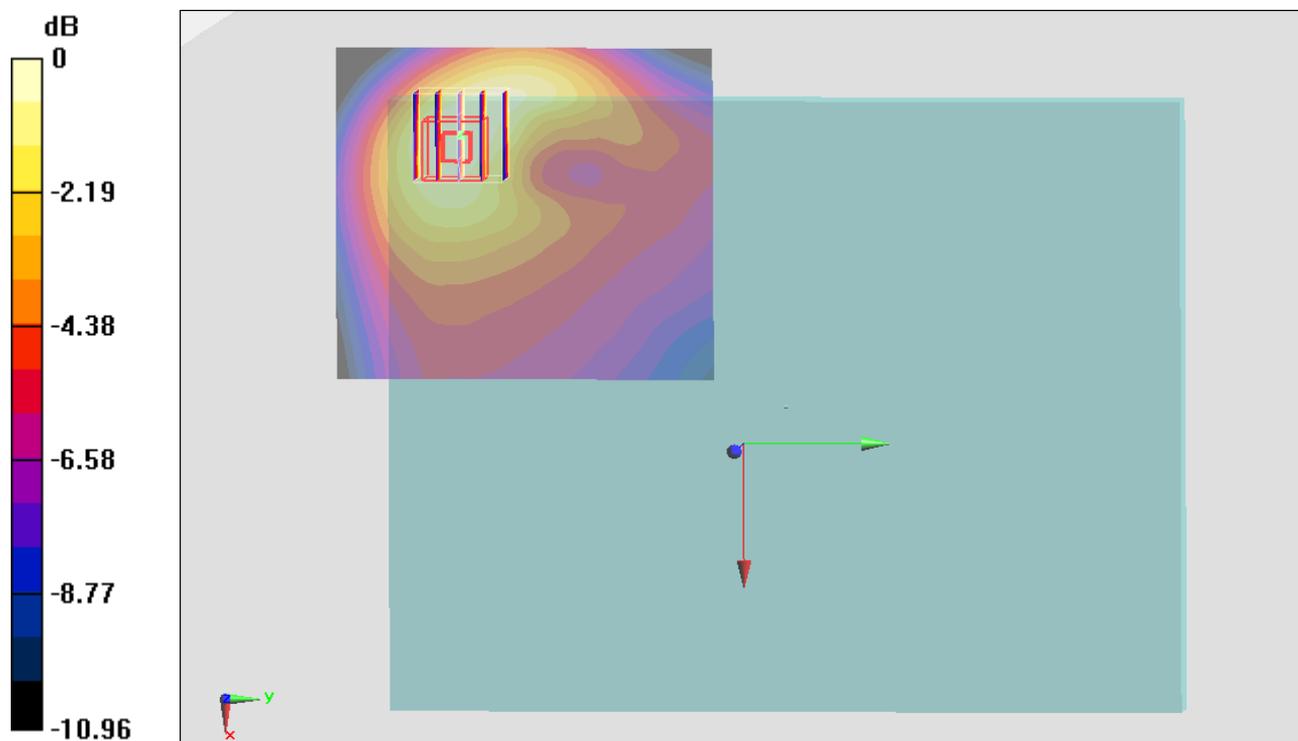
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.786 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.922 mW/g

**SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.471 mW/g**

Maximum value of SAR (measured) = 0.747 mW/g



0 dB = 0.747 mW/g = -2.53 dB mW/g

## #01\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch189

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.991 mW/g

**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.187 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.486 mW/g

**SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.601 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g

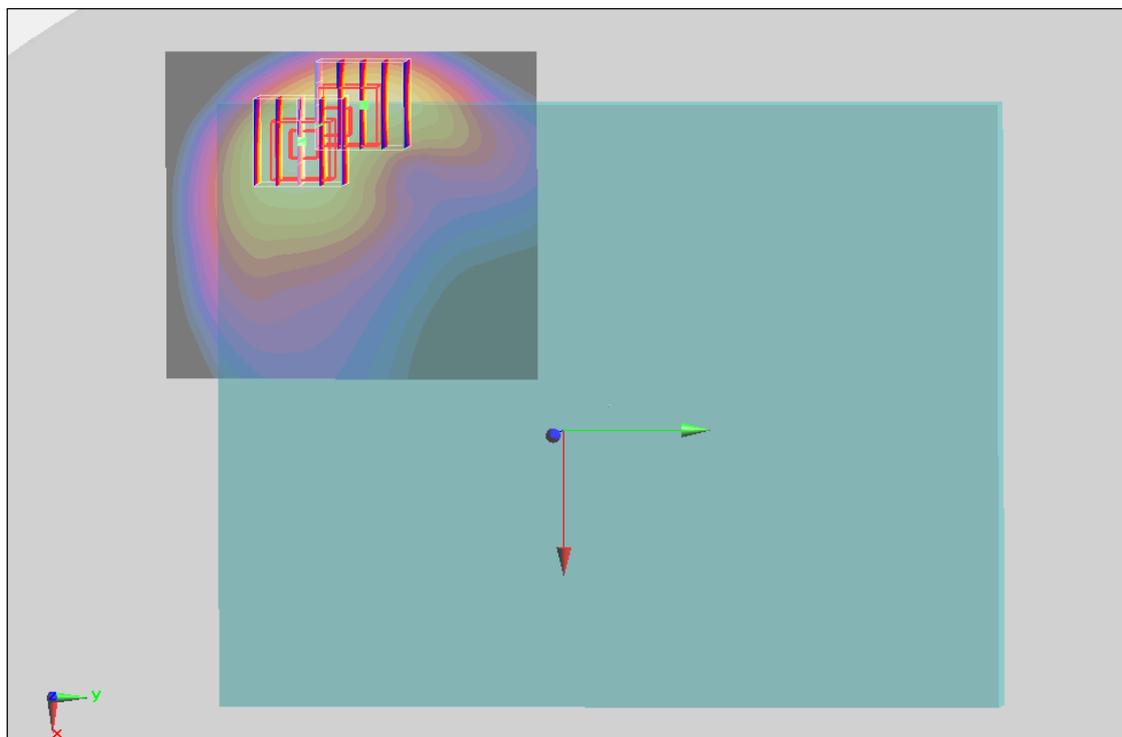
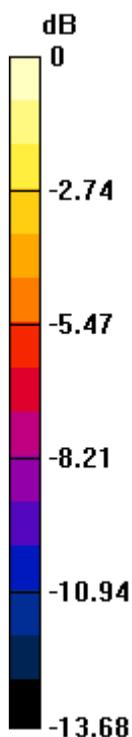
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.187 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.439 mW/g

**SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.973 mW/g



0 dB = 0.973 mW/g = -0.24 dB mW/g

## #02\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch128

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 54.662$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.02 mW/g

**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.227 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.399 mW/g

**SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.567 mW/g**

Maximum value of SAR (measured) = 0.981 mW/g

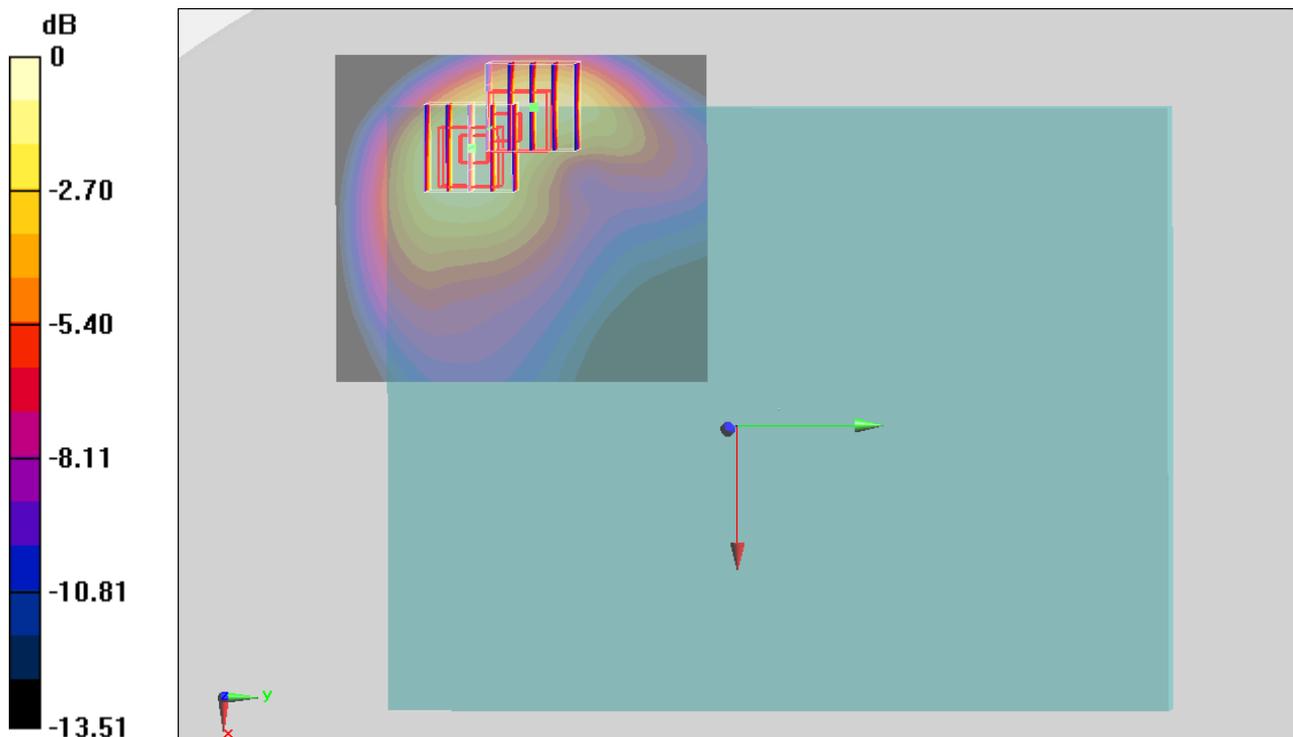
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.227 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.349 mW/g

**SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.904 mW/g



0 dB = 0.904 mW/g = -0.88 dB mW/g

### #03\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch251

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.00 mW/g

**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.423 mW/g

**SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.588 mW/g**

Maximum value of SAR (measured) = 0.994 mW/g

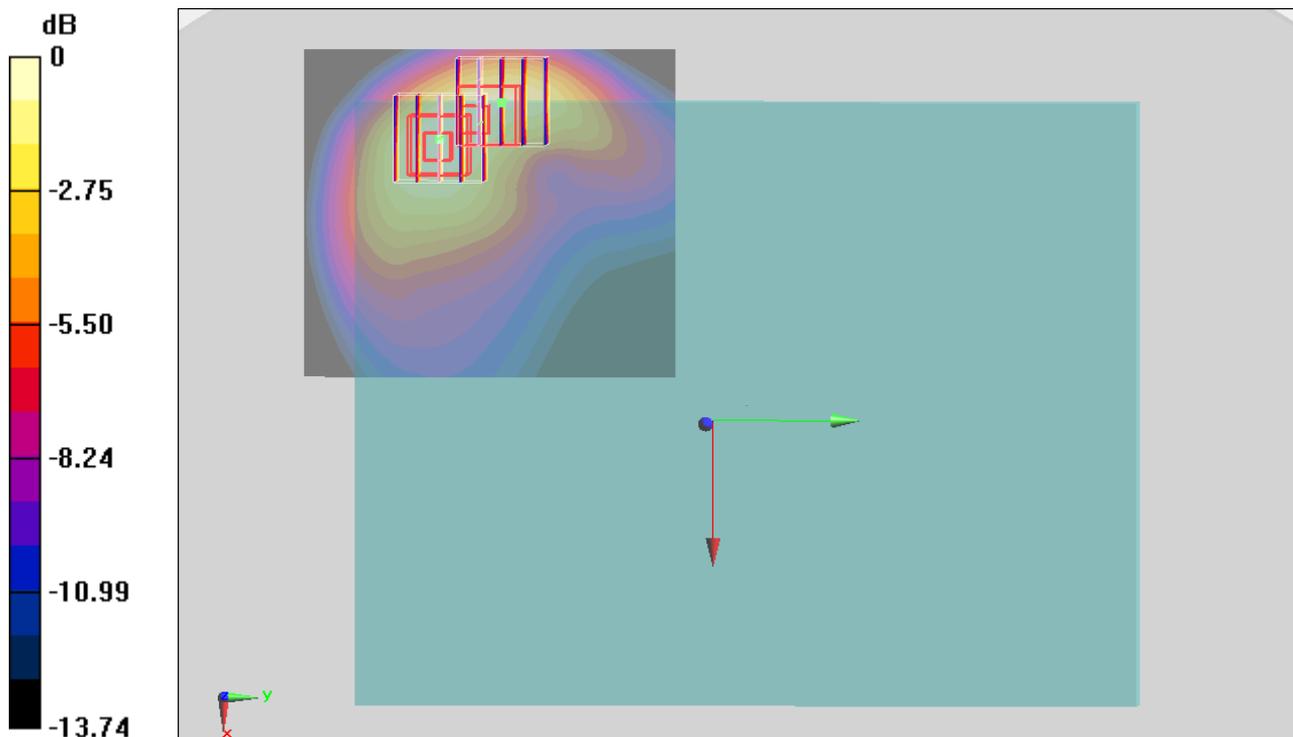
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.398 mW/g

**SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.951 mW/g = -0.44 dB mW/g

## #03\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch251\_2D

### DUT: 2N2103-01

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 mW/g

**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.423 mW/g

**SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.588 mW/g**

Maximum value of SAR (measured) = 0.994 mW/g

**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

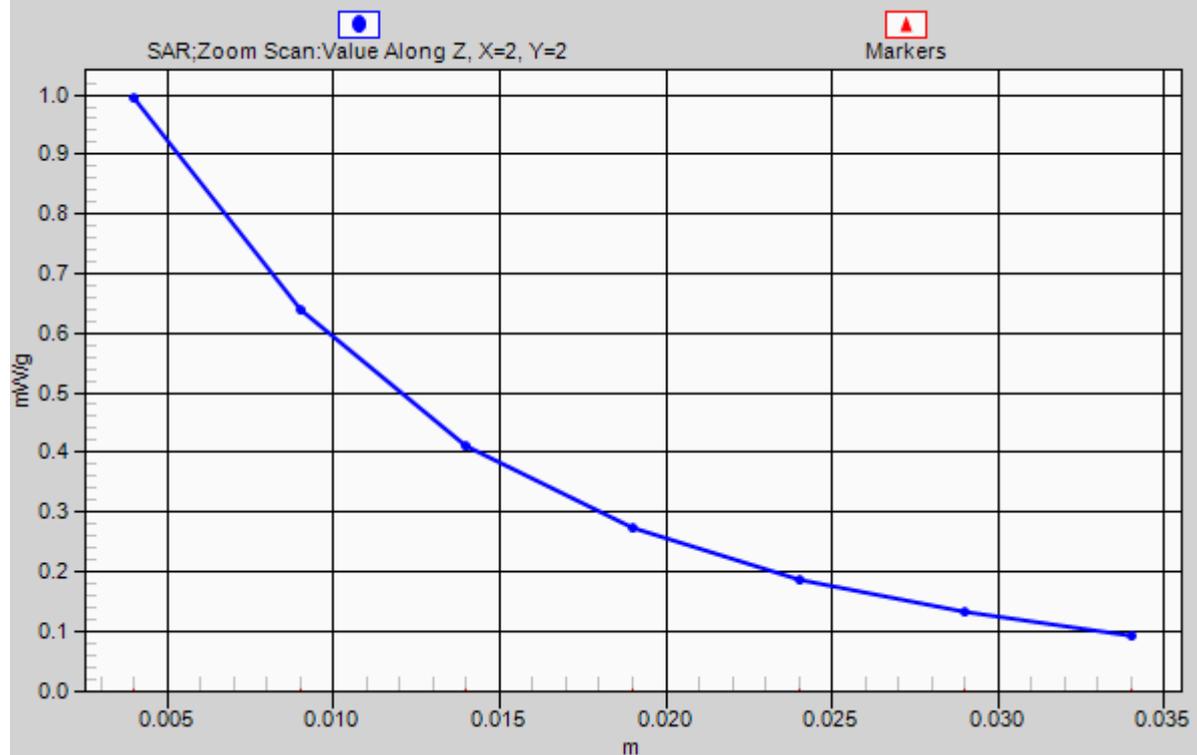
Reference Value = 33.097 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.398 mW/g

**SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.951 mW/g

# 1g/10g Averaged SAR



## #57\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch251\_Repeat

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.05 mW/g

**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.878 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.432 mW/g

**SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.575 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g

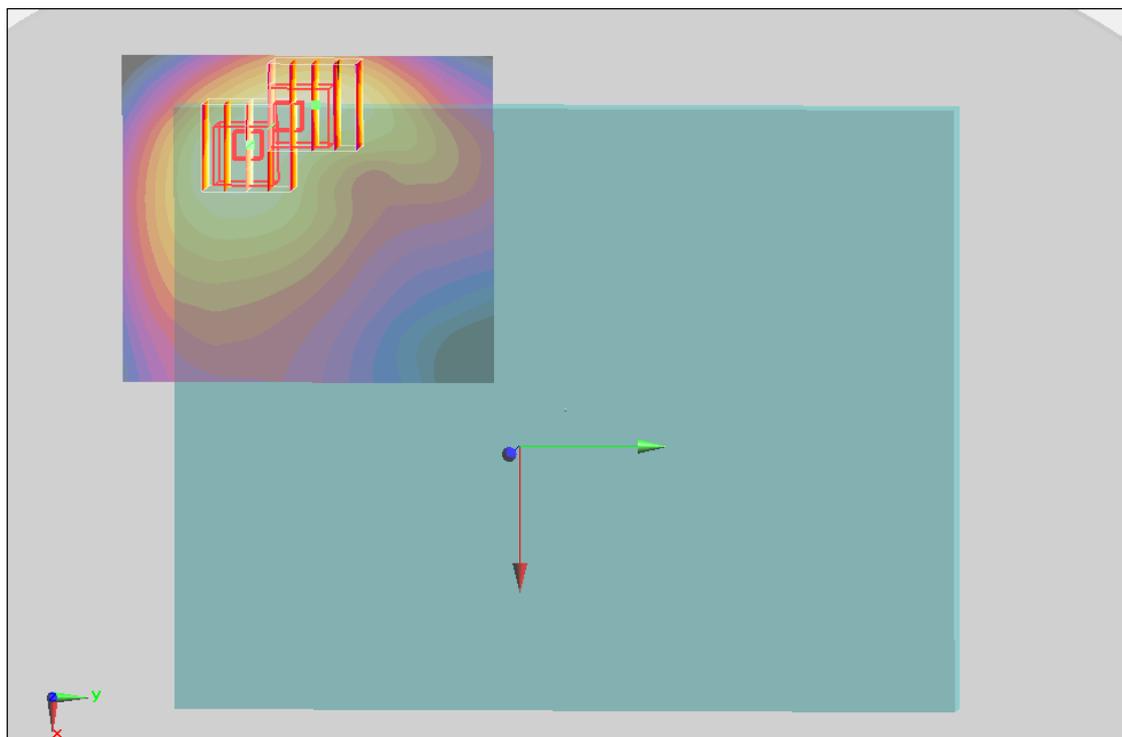
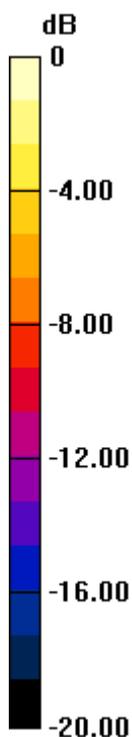
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.878 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.359 mW/g

**SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.507 mW/g**

Maximum value of SAR (measured) = 0.933 mW/g



0 dB = 0.933 mW/g = -0.60 dB mW/g

## #04\_GSM850\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch189

### DUT: 2N2103-01

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (41x211x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.871 mW/g

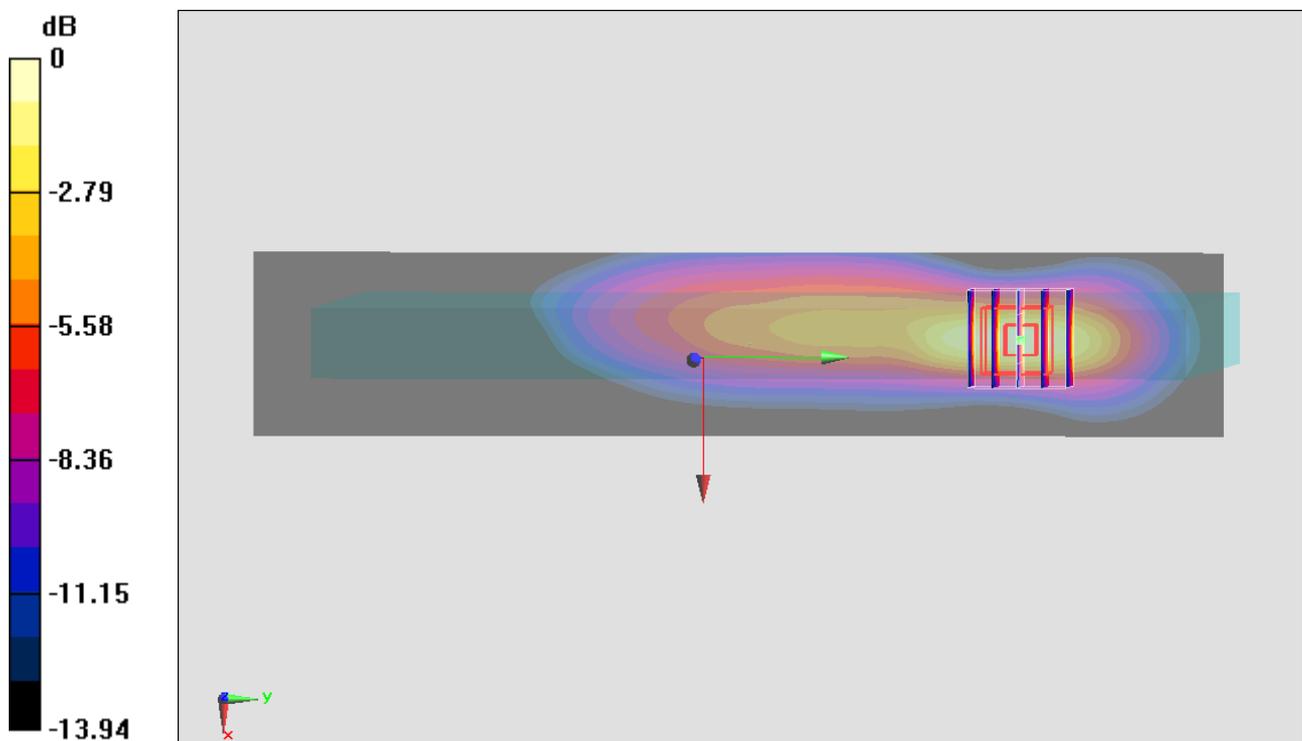
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.089 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 1.472 mW/g

**SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.426 mW/g**

Maximum value of SAR (measured) = 0.930 mW/g



0 dB = 0.930 mW/g = -0.63 dB mW/g

### #05\_GSM850\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch128

#### DUT: 2N2103-01

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 54.662$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (41x211x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.795 mW/g

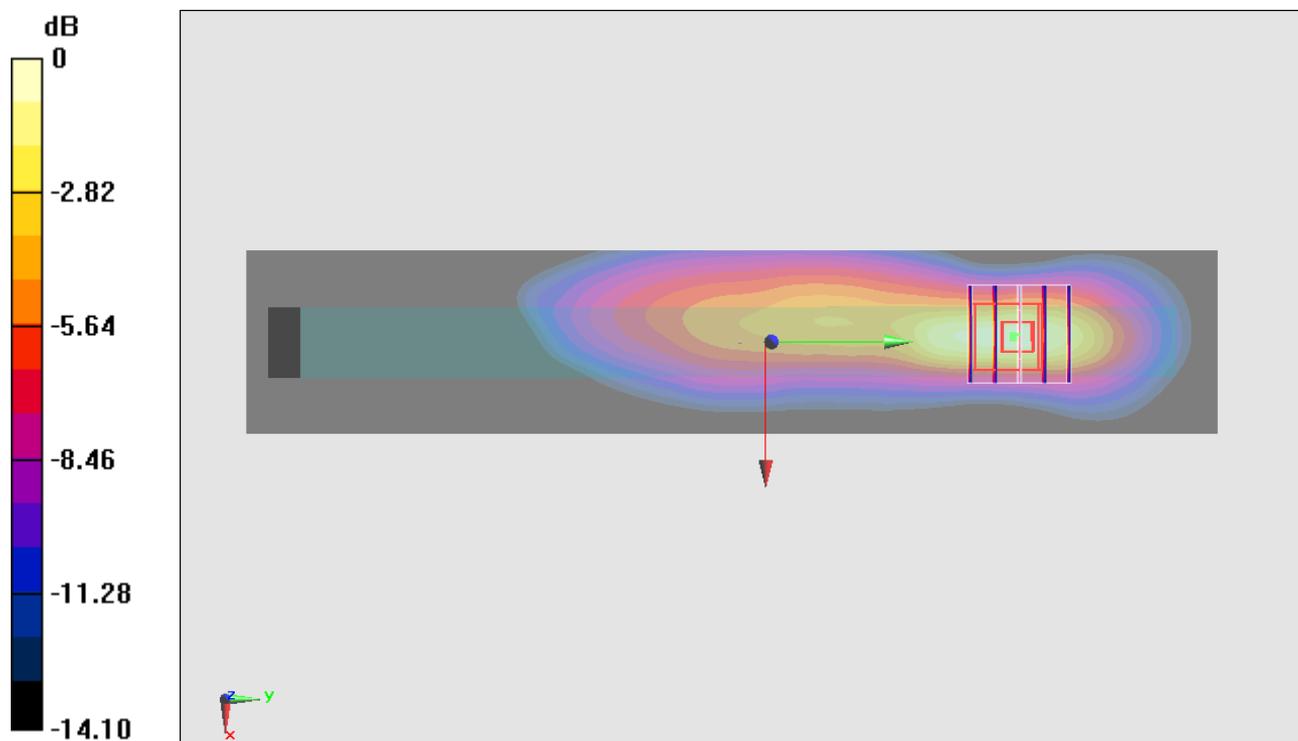
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.139 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 1.288 mW/g

**SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.859 mW/g



0 dB = 0.859 mW/g = -1.32 dB mW/g

### #06\_GSM850\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch251

#### DUT: 2N2103-01

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (41x211x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.930 mW/g

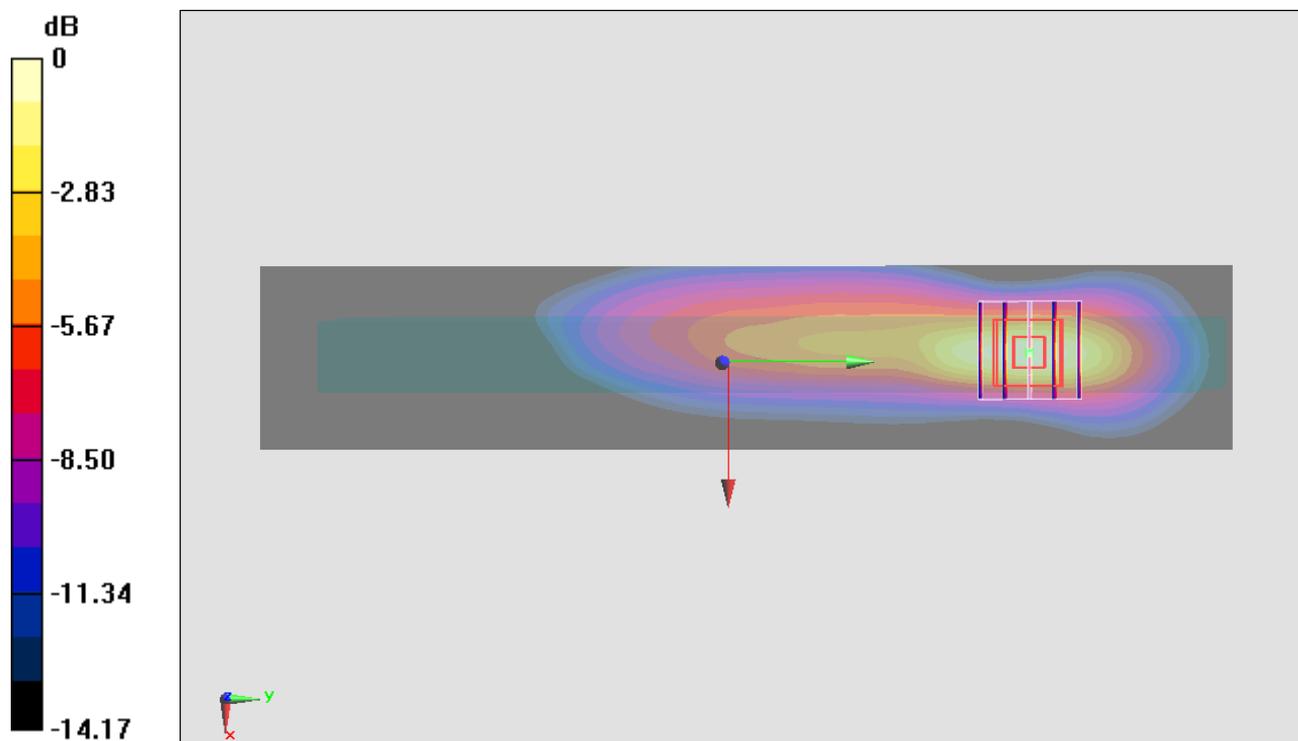
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.286 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.535 mW/g

**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.976 mW/g



0 dB = 0.976 mW/g = -0.21 dB mW/g

### #07\_GSM850\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch189

#### DUT: 2N2103-01

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (51x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.632 mW/g

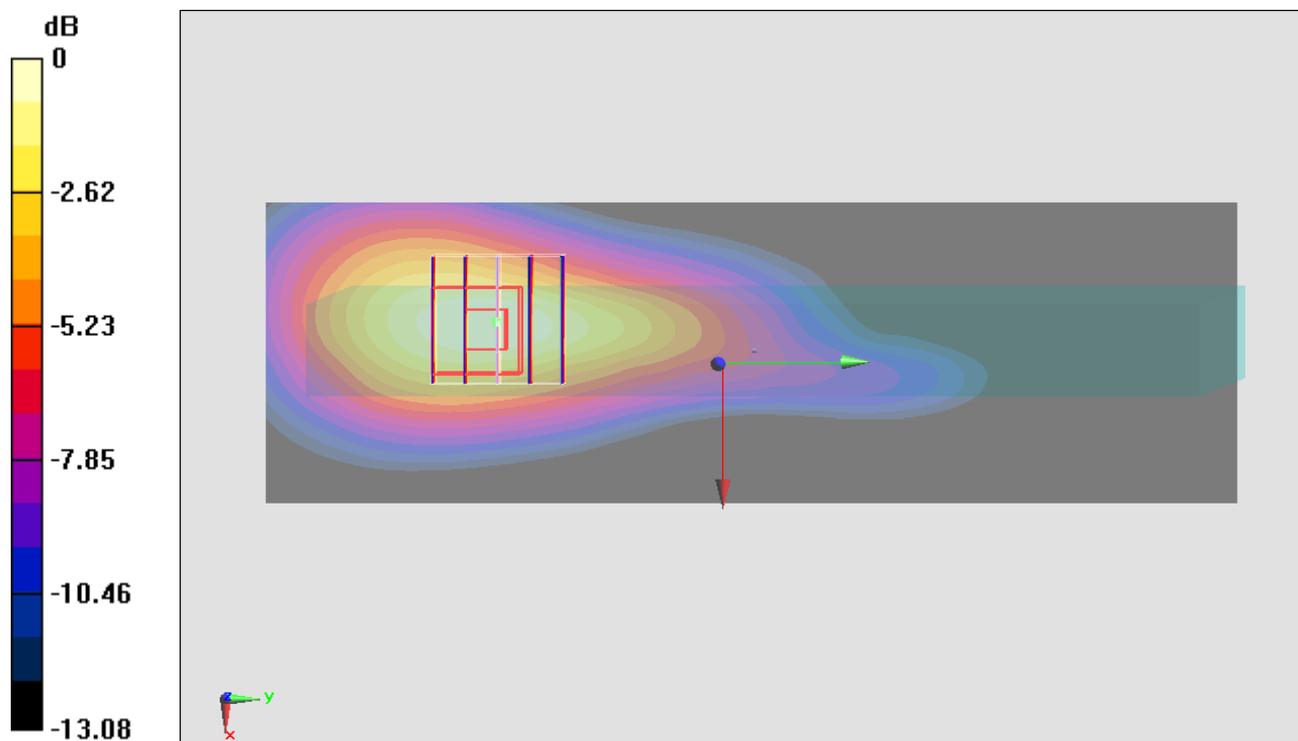
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.595 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 1.067 mW/g

**SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.603 mW/g



0 dB = 0.603 mW/g = -4.39 dB mW/g

### #08\_GSM850\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch128

#### DUT: 2N2103-01

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 54.662$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (51x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.660 mW/g

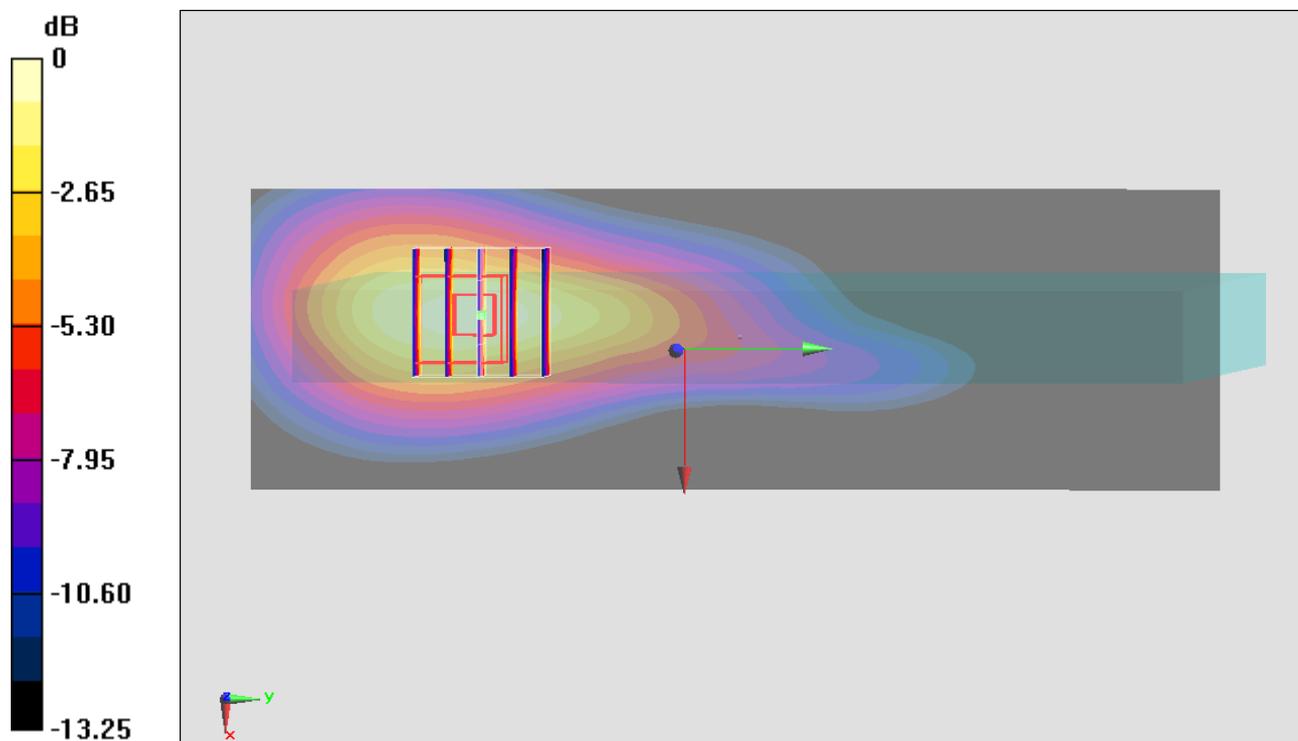
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.794 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.152 mW/g

**SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.320 mW/g**

Maximum value of SAR (measured) = 0.662 mW/g



0 dB = 0.662 mW/g = -3.58 dB mW/g

### #09\_GSM850\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch251

#### DUT: 2N2103-01

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (51x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.577 mW/g

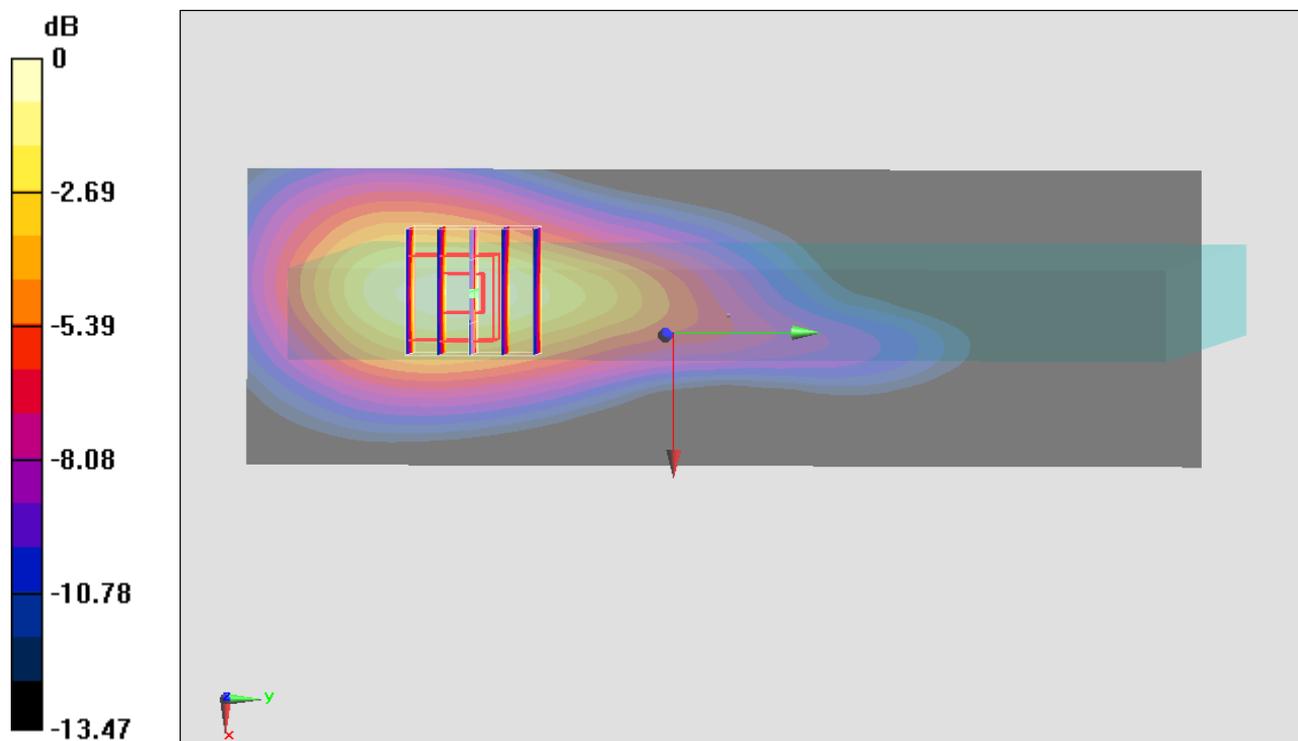
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.771 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.994 mW/g

**SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.292 mW/g**

Maximum value of SAR (measured) = 0.586 mW/g



0 dB = 0.586 mW/g = -4.64 dB mW/g

### #10\_GSM850\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch189

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.938 mW/g

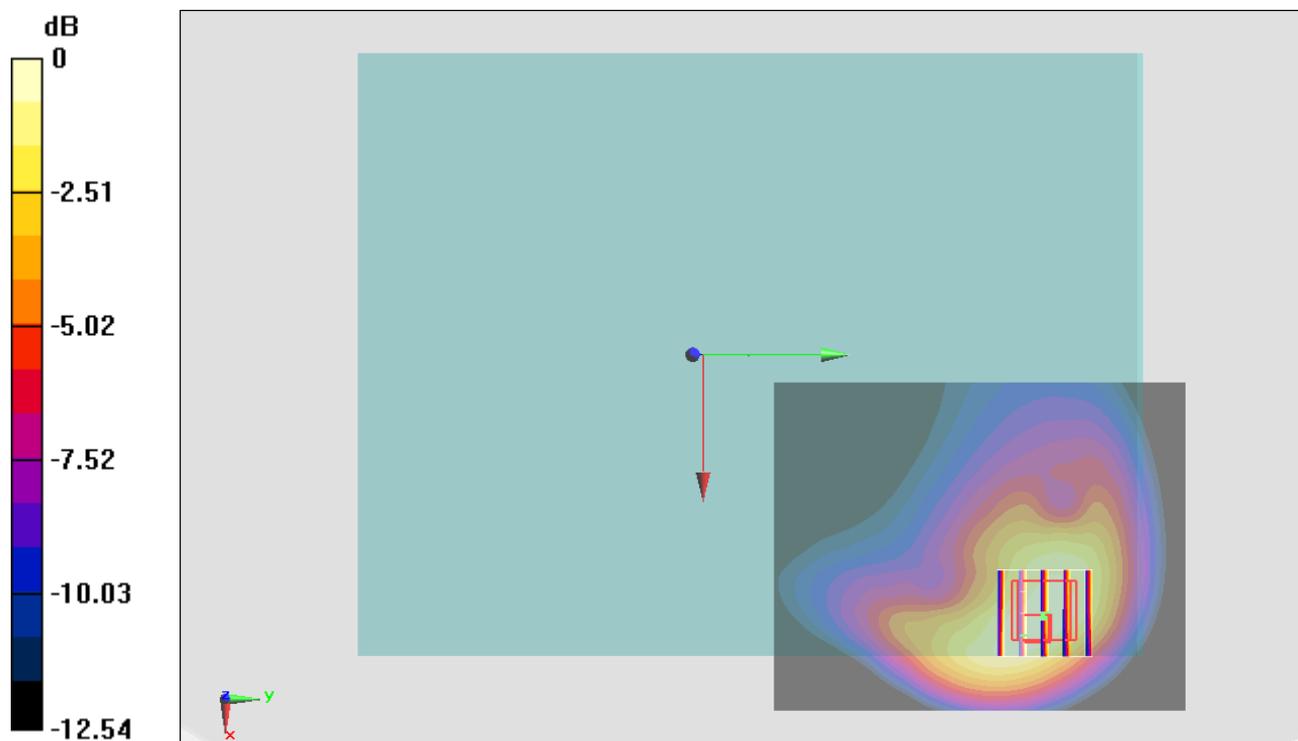
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.608 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.331 mW/g

**SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.533 mW/g**

Maximum value of SAR (measured) = 0.924 mW/g



0 dB = 0.924 mW/g = -0.69 dB mW/g

## #11\_GSM850\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch128

### DUT: 2N2103-01

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.952$  mho/m;  $\epsilon_r = 54.662$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.877 mW/g

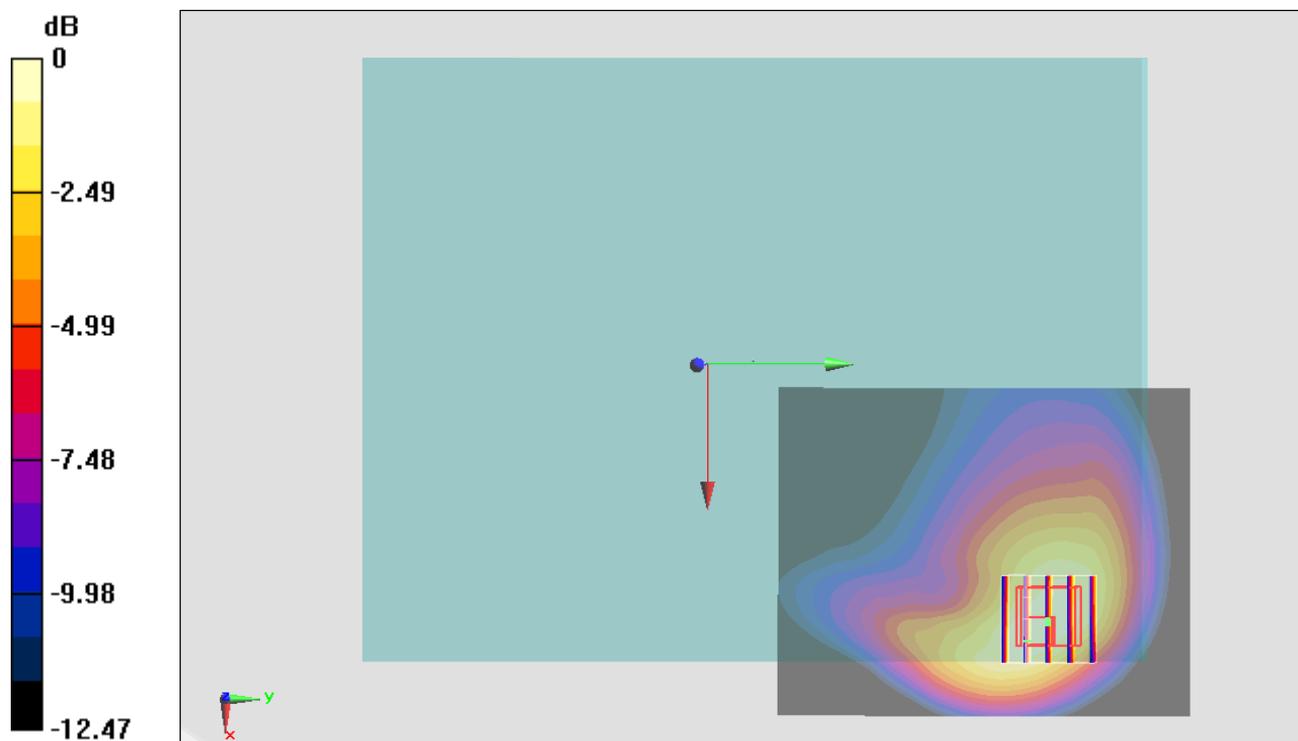
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.174 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.253 mW/g

**SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.507 mW/g**

Maximum value of SAR (measured) = 0.869 mW/g



0 dB = 0.869 mW/g = -1.22 dB mW/g

## #12\_GSM850\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch251

**DUT: 2N2103-01**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_121217 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.414$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.938 mW/g

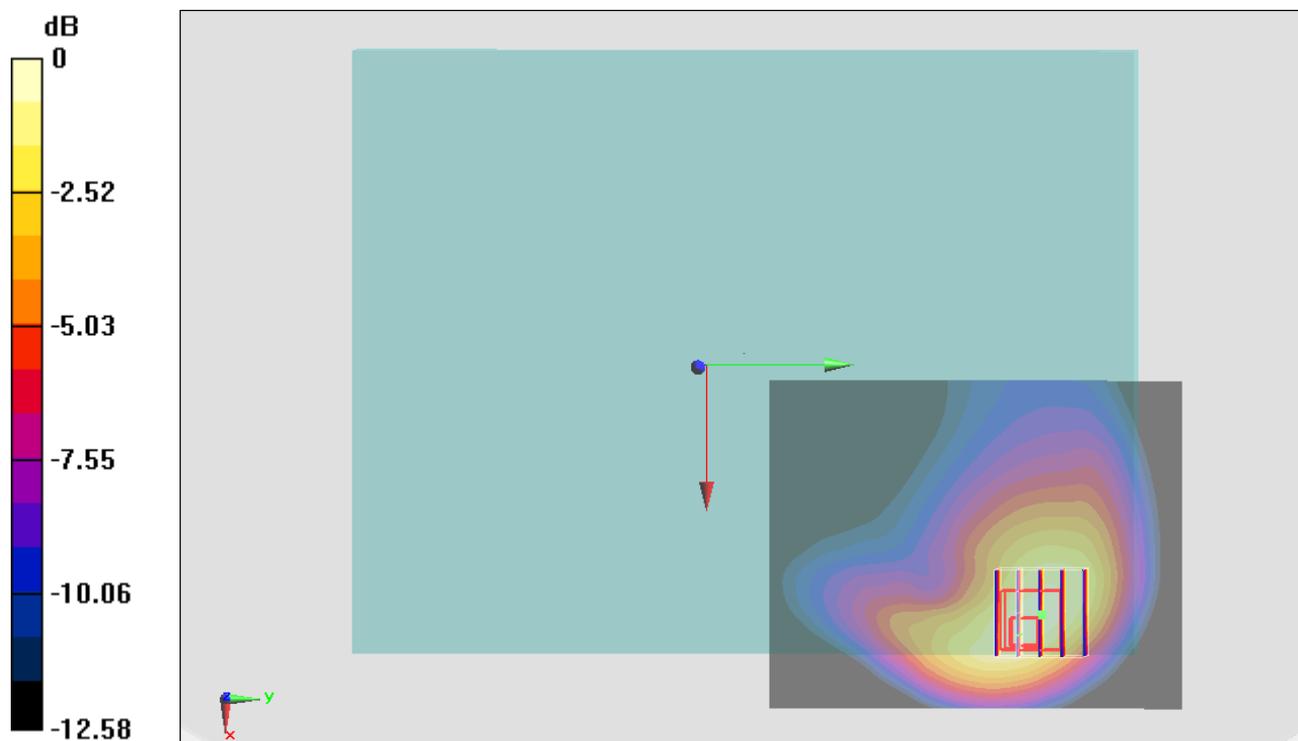
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.953 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.405 mW/g

**SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.550 mW/g**

Maximum value of SAR (measured) = 0.986 mW/g



0 dB = 0.986 mW/g = -0.12 dB mW/g

## #84\_GSM1900\_GPRS (2 Tx slots)\_Bottom Face\_1cm\_Ch512

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.627 mW/g

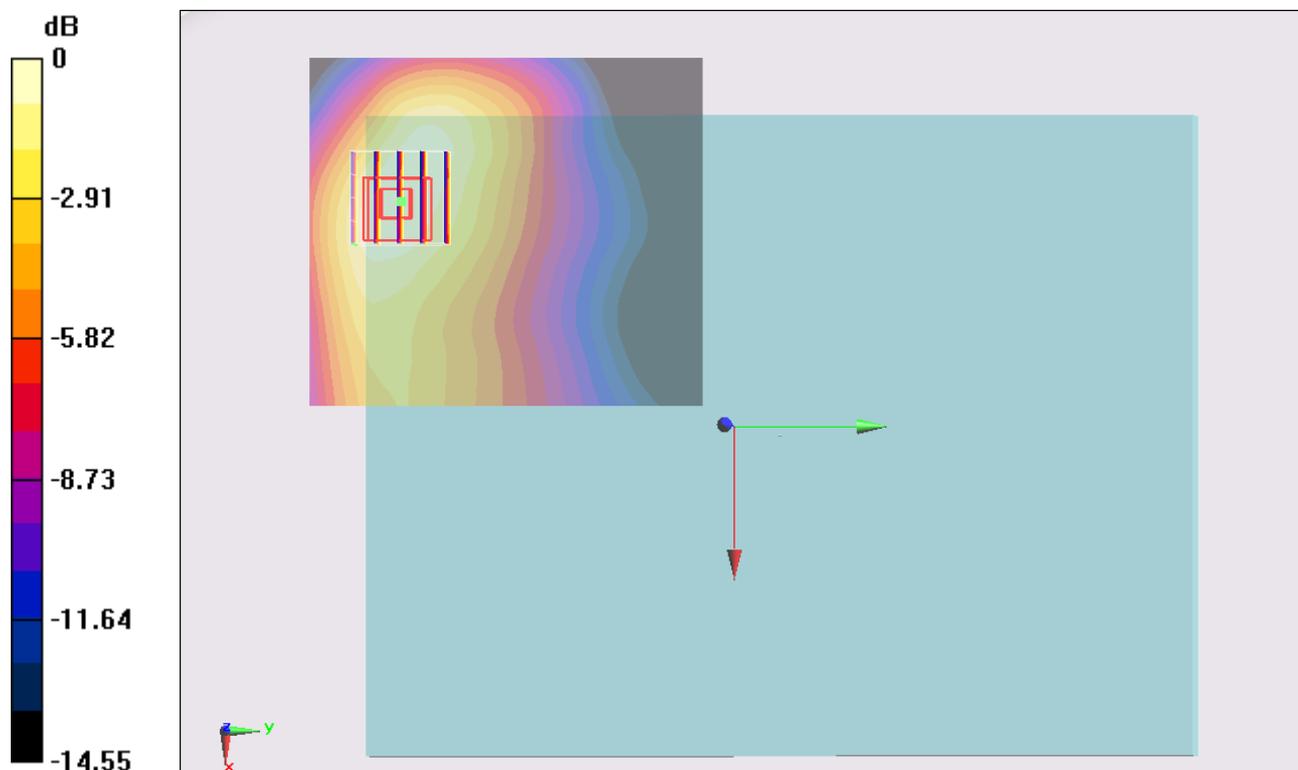
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.519 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.840 mW/g

**SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.625 mW/g



0 dB = 0.625 mW/g = -4.08 dB mW/g

## #71\_GSM1900\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch512

**DUT: 2N2103-01**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.19 mW/g

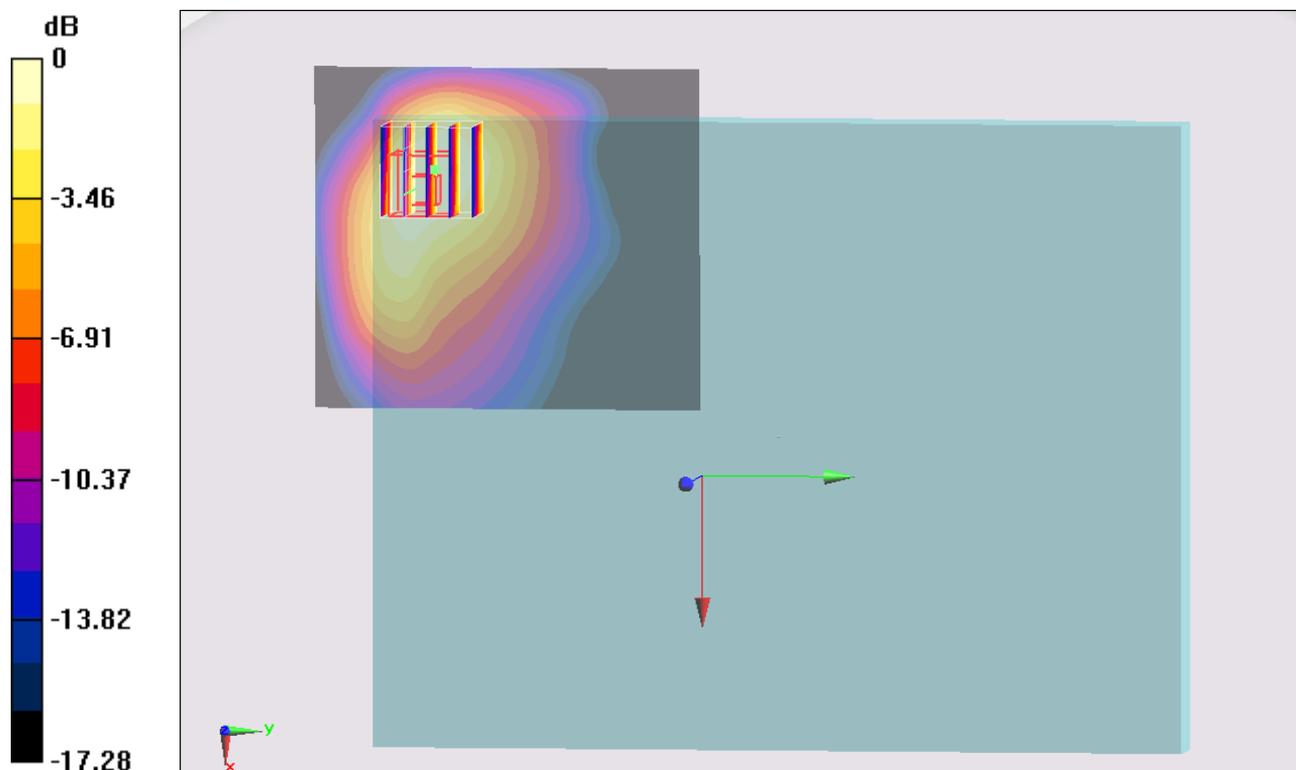
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.220 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.518 mW/g

**SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.549 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00 mW/g = 0.00 dB mW/g

### #72\_GSM1900\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch661

#### DUT: 2N2103-01

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.937 mW/g

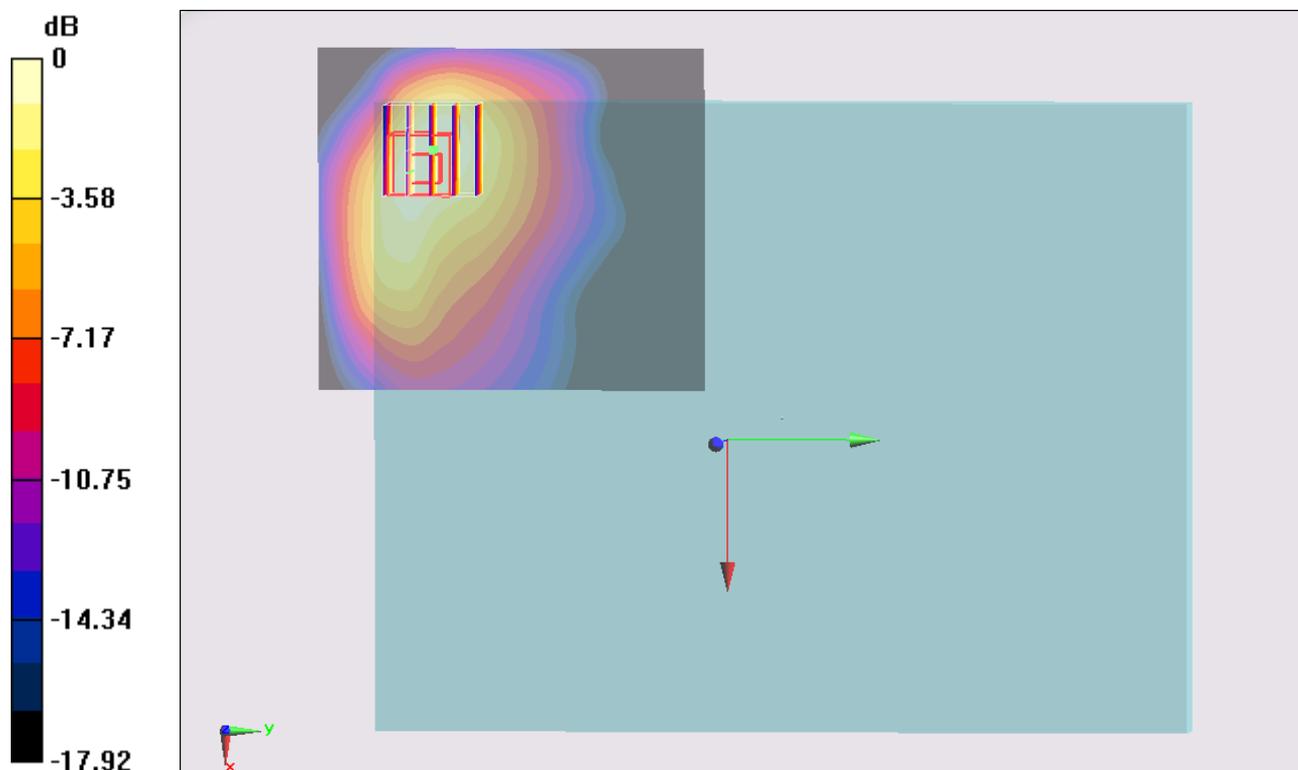
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.557 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.273 mW/g

**SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.448 mW/g**

Maximum value of SAR (measured) = 0.845 mW/g



0 dB = 0.845 mW/g = -1.46 dB mW/g

### #73\_GSM1900\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch810

#### DUT: 2N2103-01

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.531$  mho/m;  $\epsilon_r = 53.168$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.742 mW/g

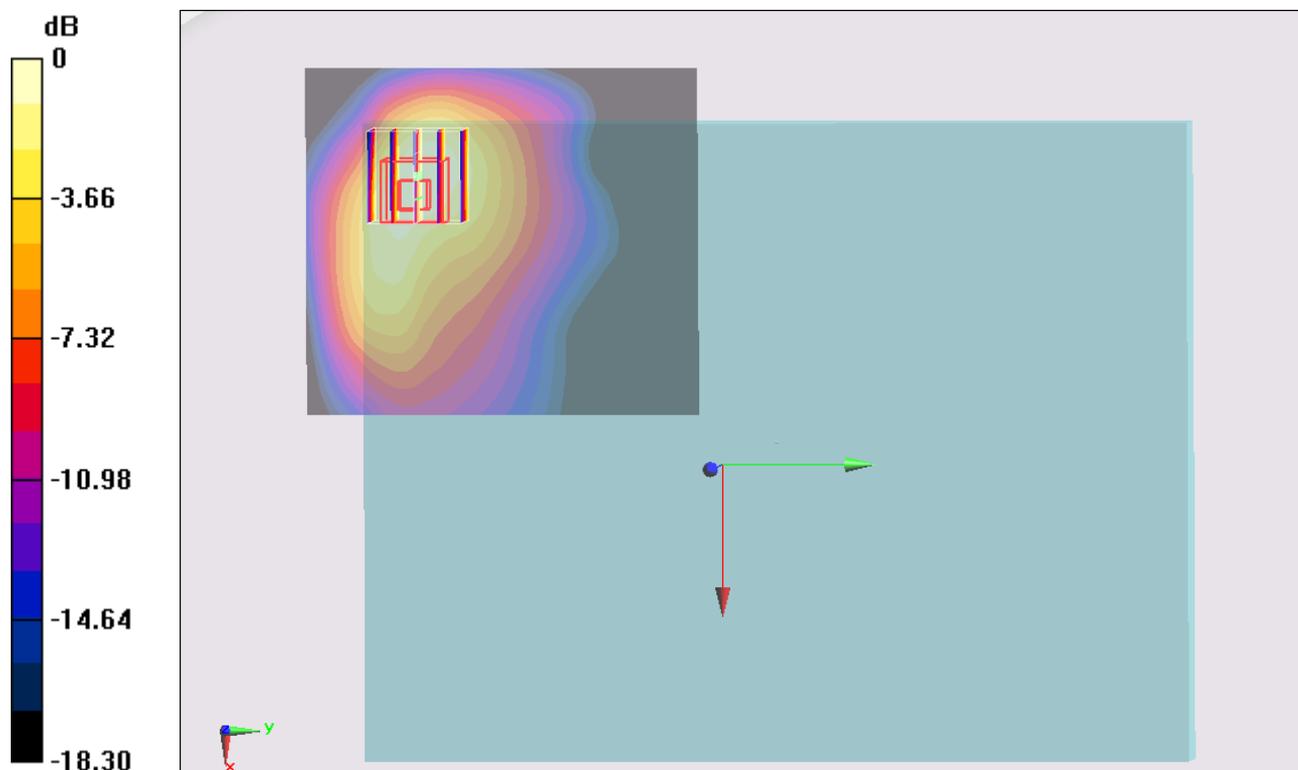
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.803 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.014 mW/g

**SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.694 mW/g = -3.17 dB mW/g

## #74\_GSM1900\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch512

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x201x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.06 mW/g

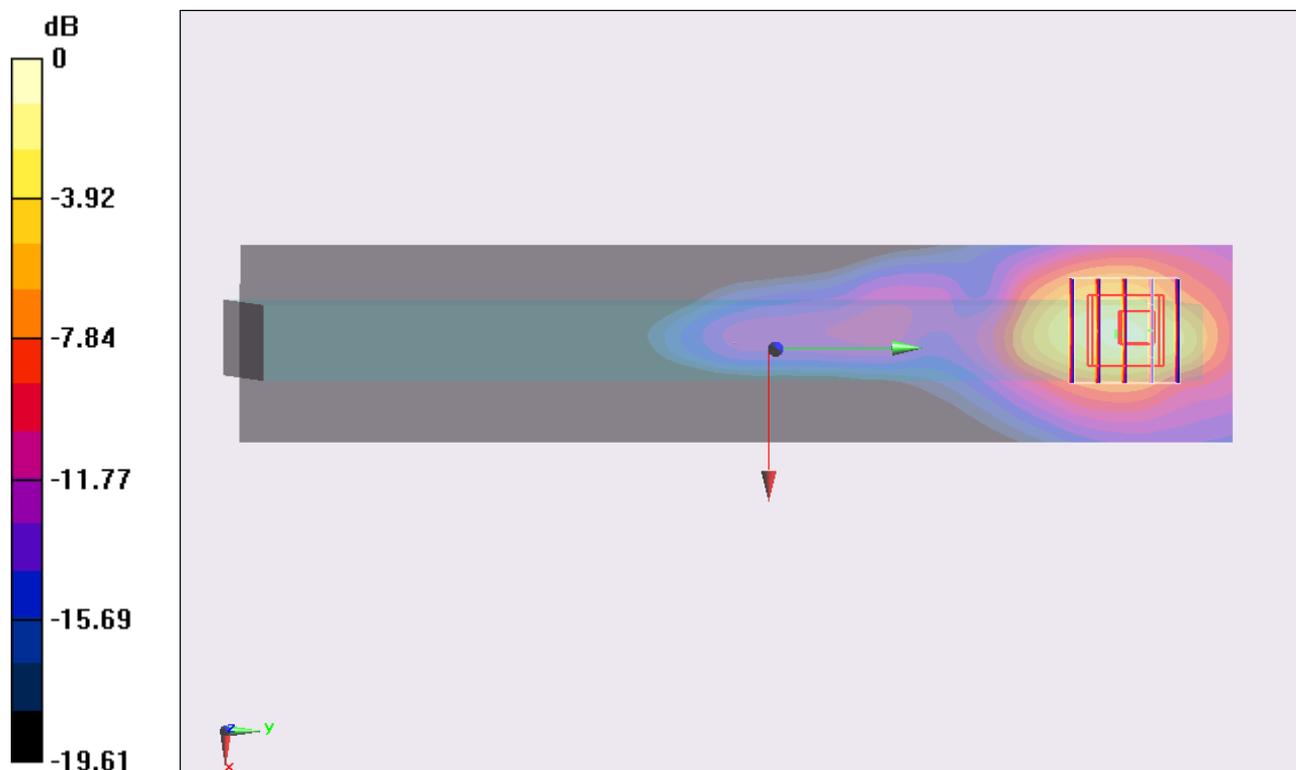
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.321 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.055 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.478 mW/g**

Maximum value of SAR (measured) = 1.25 mW/g



## #75\_GSM1900\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch661

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (41x201x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.809 mW/g

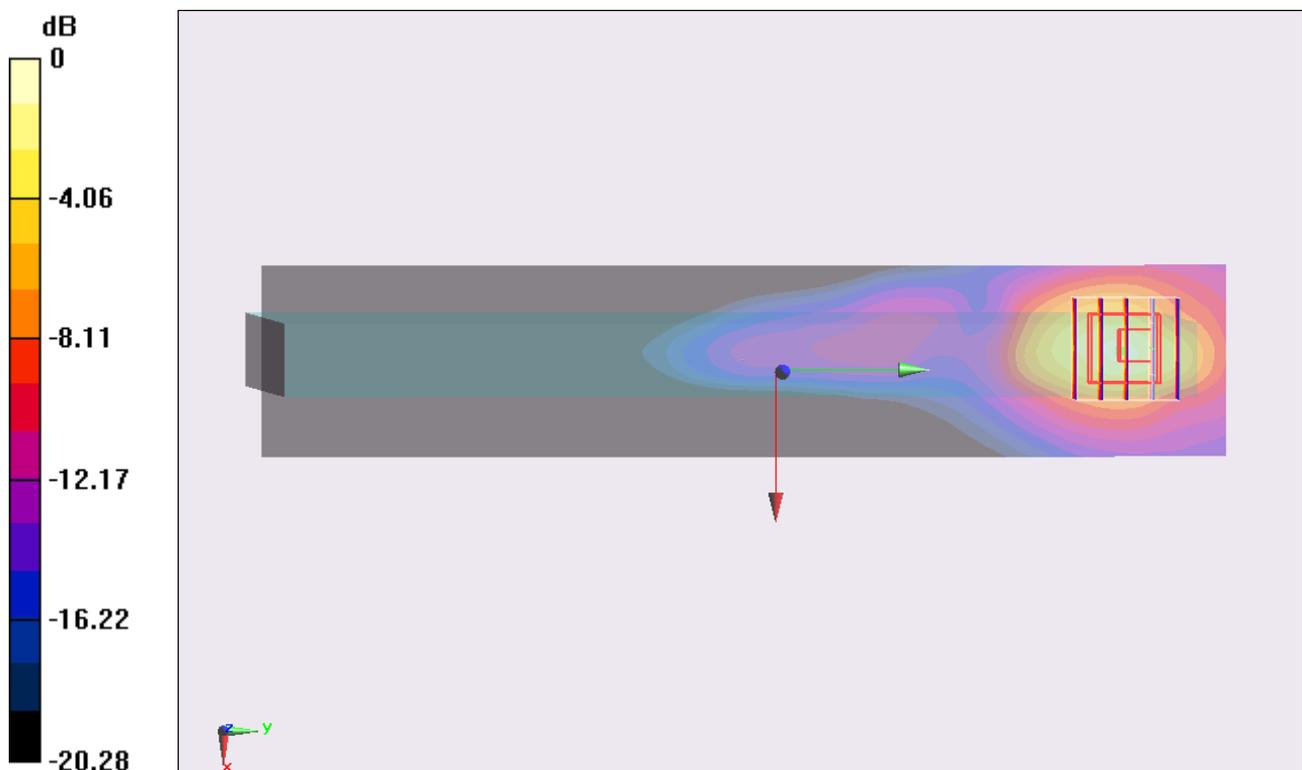
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.548 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.695 mW/g

**SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02 mW/g = 0.17 dB mW/g

## #76\_GSM1900\_GPRS (2 Tx slots)\_Edge 3\_0cm\_Ch810

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.531$  mho/m;  $\epsilon_r = 53.168$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (41x201x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.671 mW/g

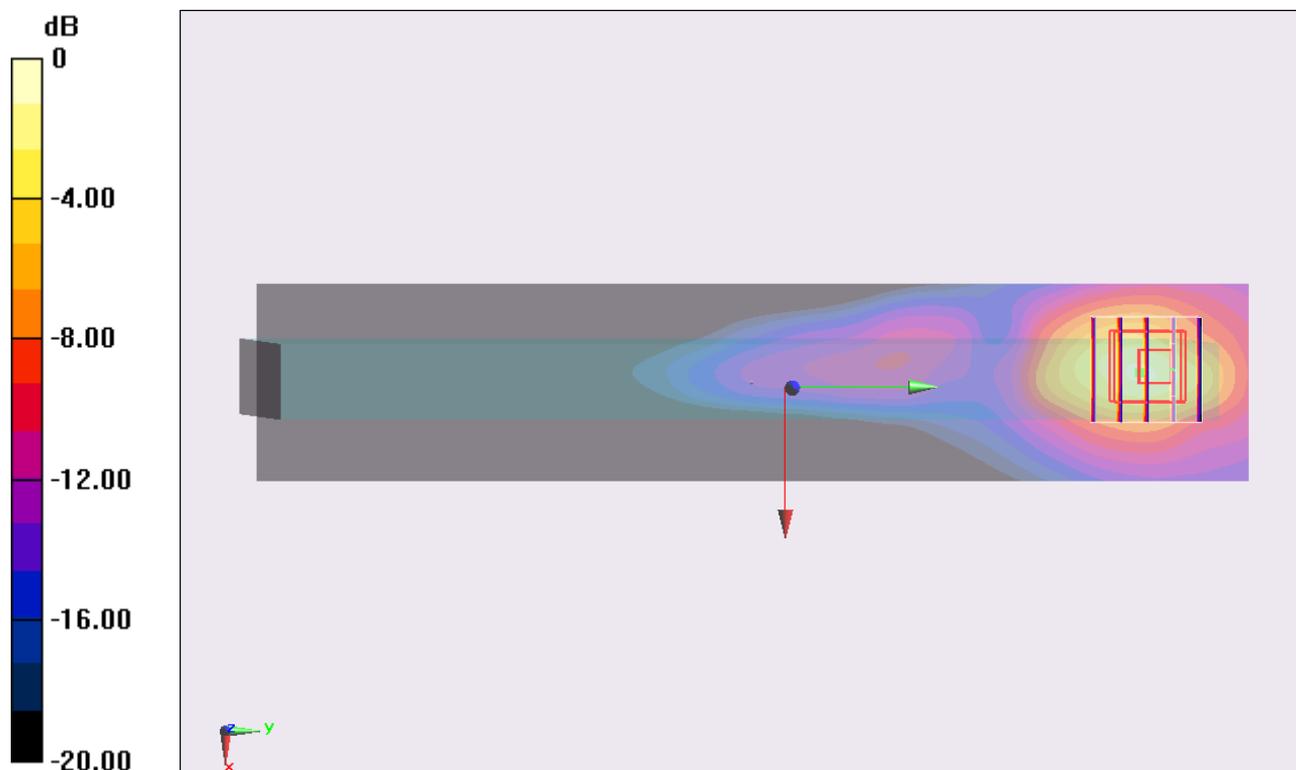
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.950 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.459 mW/g

**SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.320 mW/g**

Maximum value of SAR (measured) = 0.859 mW/g



### #77\_GSM1900\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch512

#### DUT: 2N2103-01

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.52 mW/g

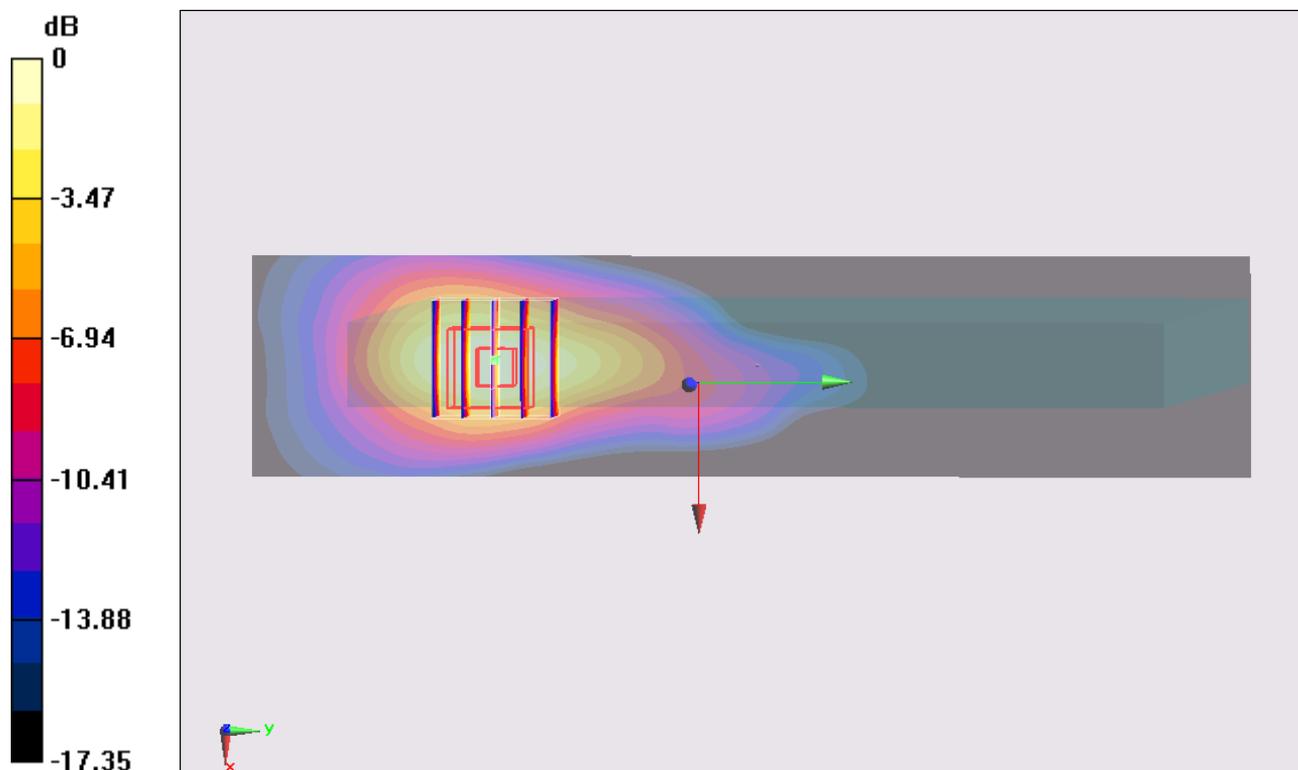
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.447 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 2.088 mW/g

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.750 mW/g**

Maximum value of SAR (measured) = 1.51 mW/g



0 dB = 1.51 mW/g = 3.58 dB mW/g

### #77\_GSM1900\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch512\_2D

**DUT: 2N2103-01**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.52 mW/g

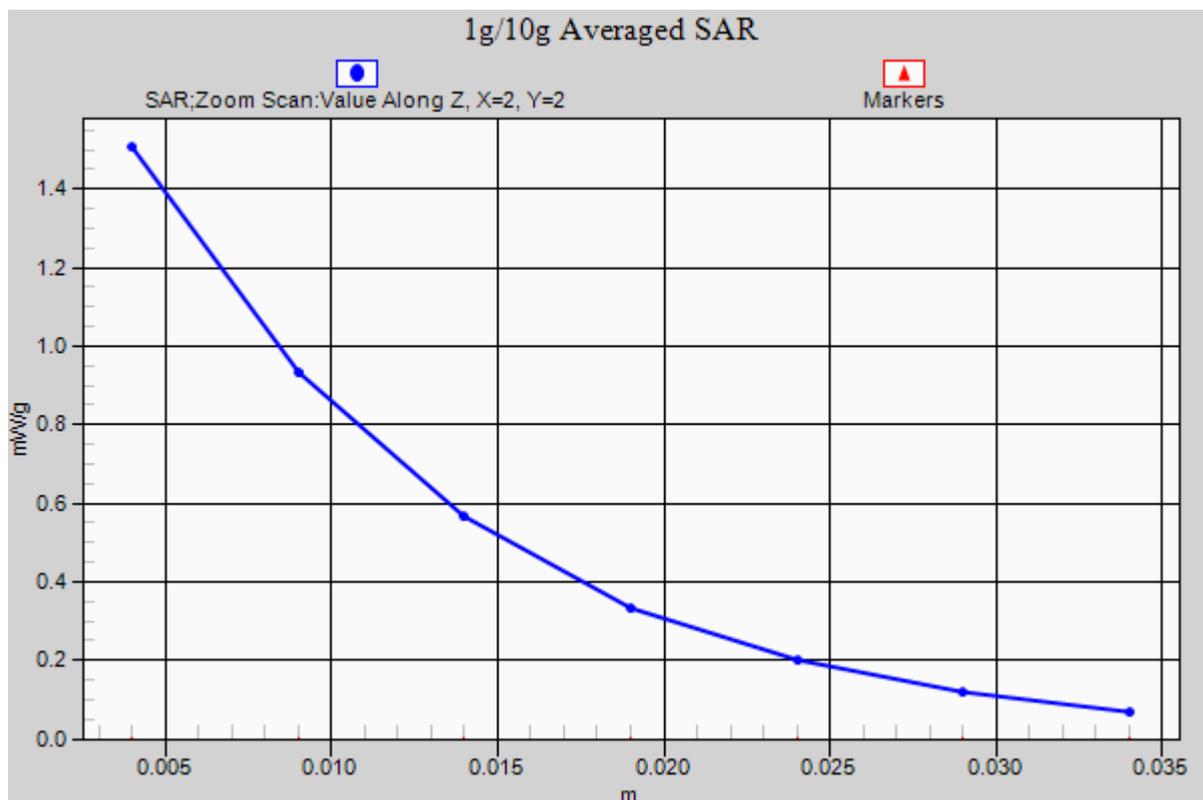
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.447 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 2.088 mW/g

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.750 mW/g**

Maximum value of SAR (measured) = 1.51 mW/g



### #83\_GSM1900\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch512\_Repeat

**DUT: 2N2103-01**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.52 mW/g

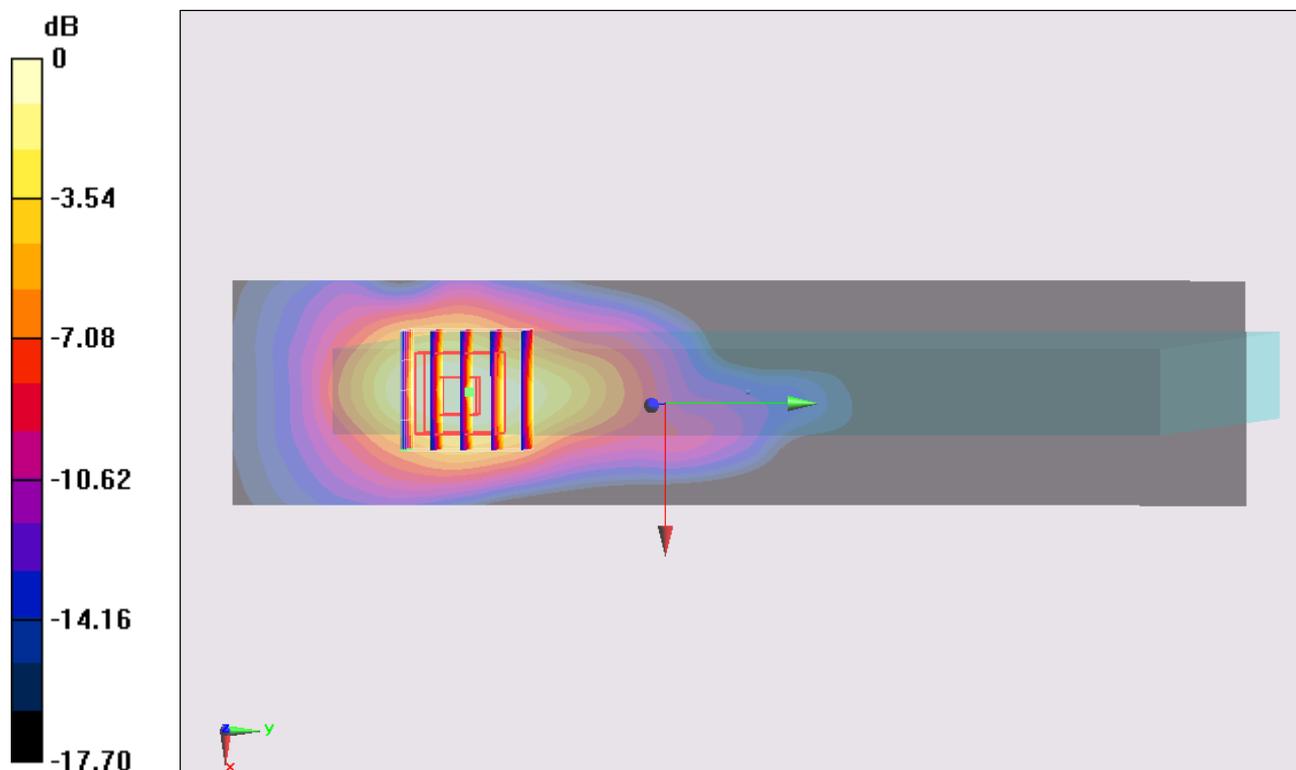
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.906 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.009 mW/g

**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.734 mW/g**

Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46 mW/g = 3.29 dB mW/g

### #78\_GSM1900\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch661

#### DUT: 2N2103-01

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.45 mW/g

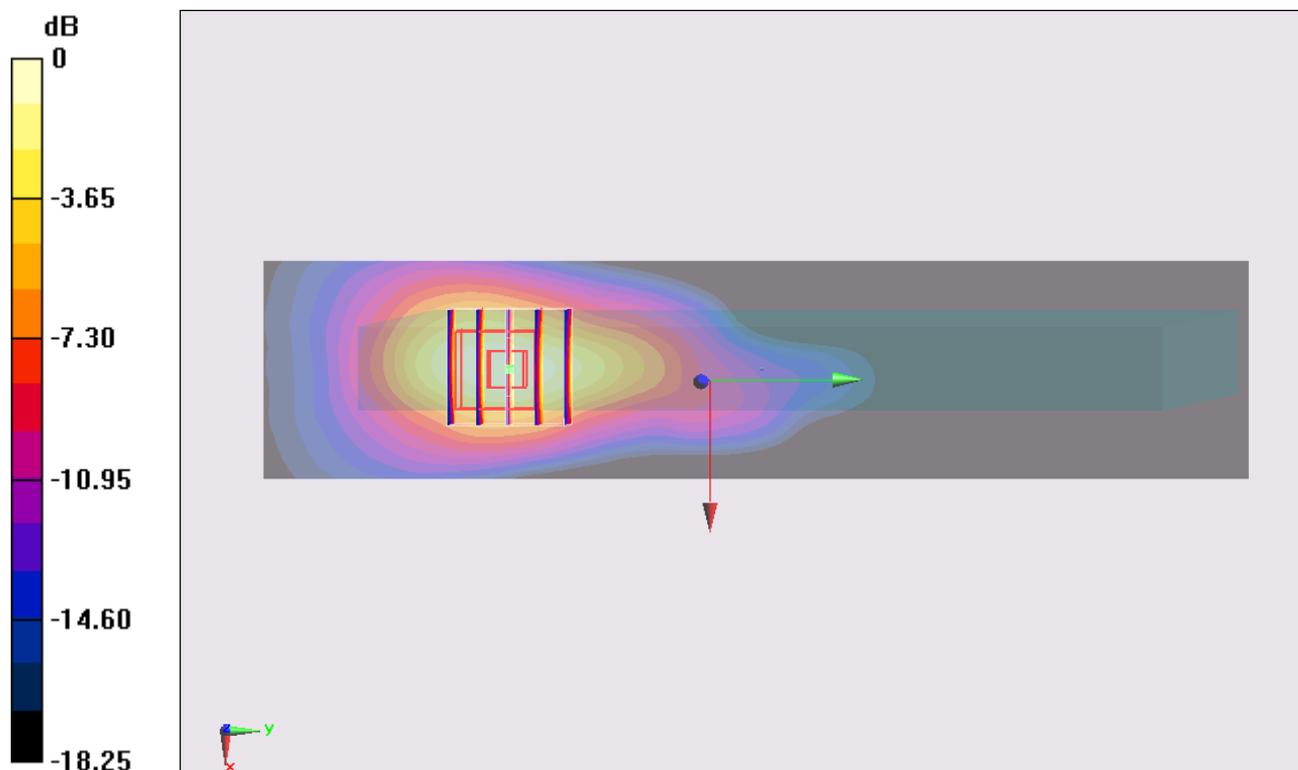
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.198 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.946 mW/g

**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.670 mW/g**

Maximum value of SAR (measured) = 1.47 mW/g



0 dB = 1.47 mW/g = 3.35 dB mW/g

### #79\_GSM1900\_GPRS (2 Tx slots)\_Edge 4\_0cm\_Ch810

#### DUT: 2N2103-01

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.531$  mho/m;  $\epsilon_r = 53.168$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.32 mW/g

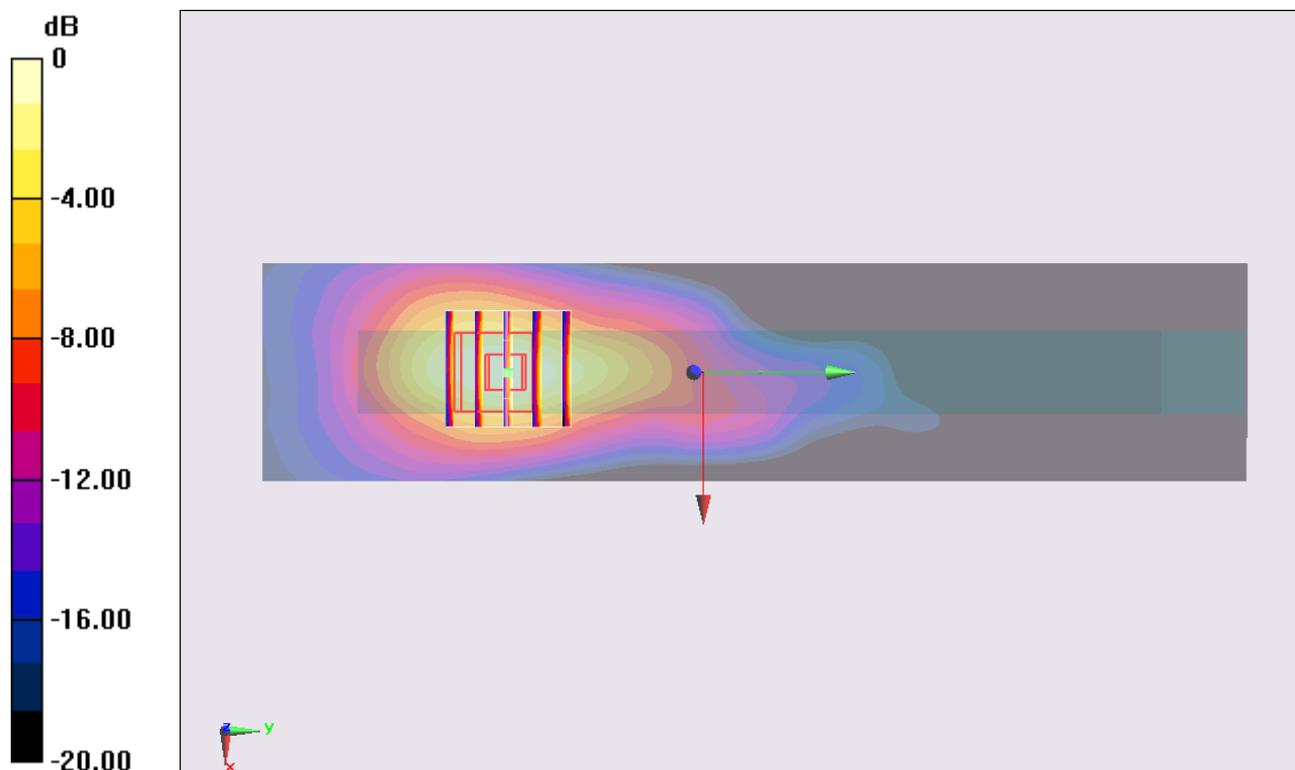
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.378 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.860 mW/g

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.606 mW/g**

Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34 mW/g = 2.54 dB mW/g

## #80\_GSM1900\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch512

**DUT: 2N2103-01**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.436$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.04 mW/g

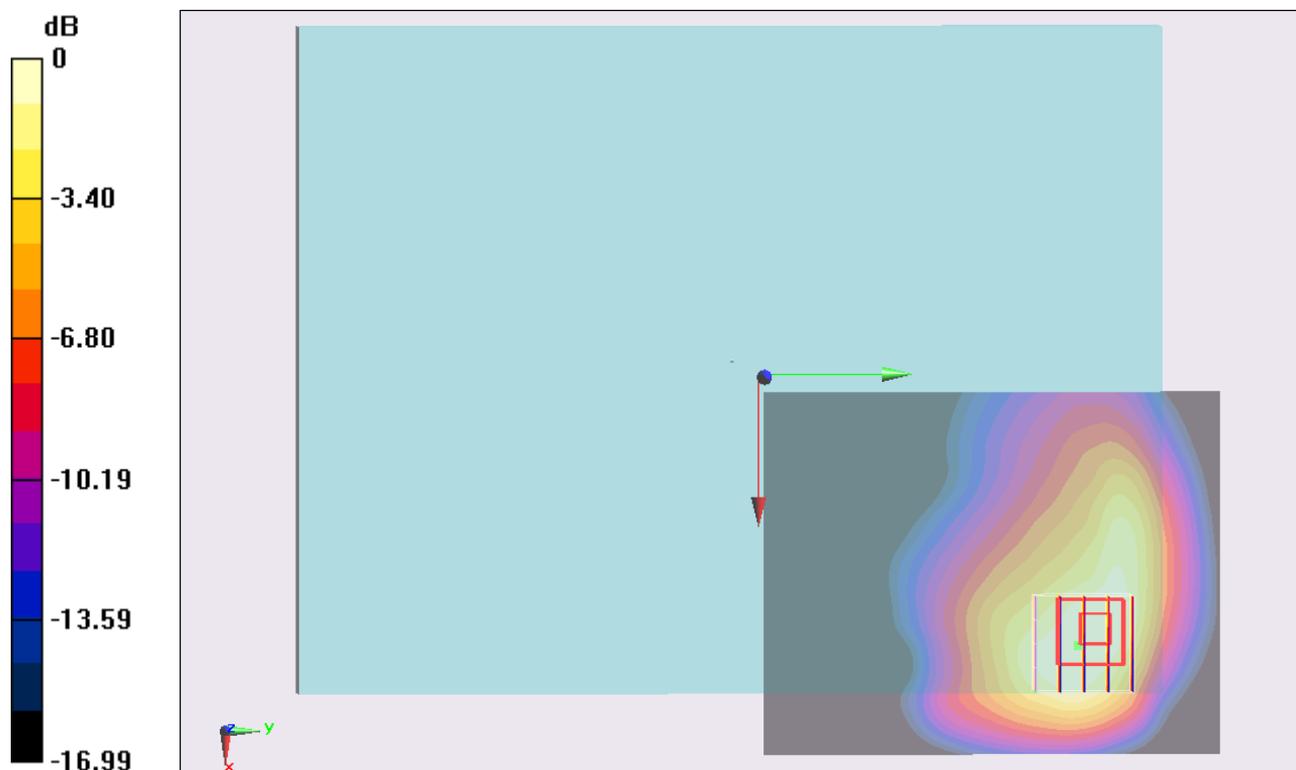
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.878 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.533 mW/g

**SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.533 mW/g**

Maximum value of SAR (measured) = 0.962 mW/g



0 dB = 0.962 mW/g = -0.34 dB mW/g

## #81\_GSM1900\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch661

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.895 mW/g

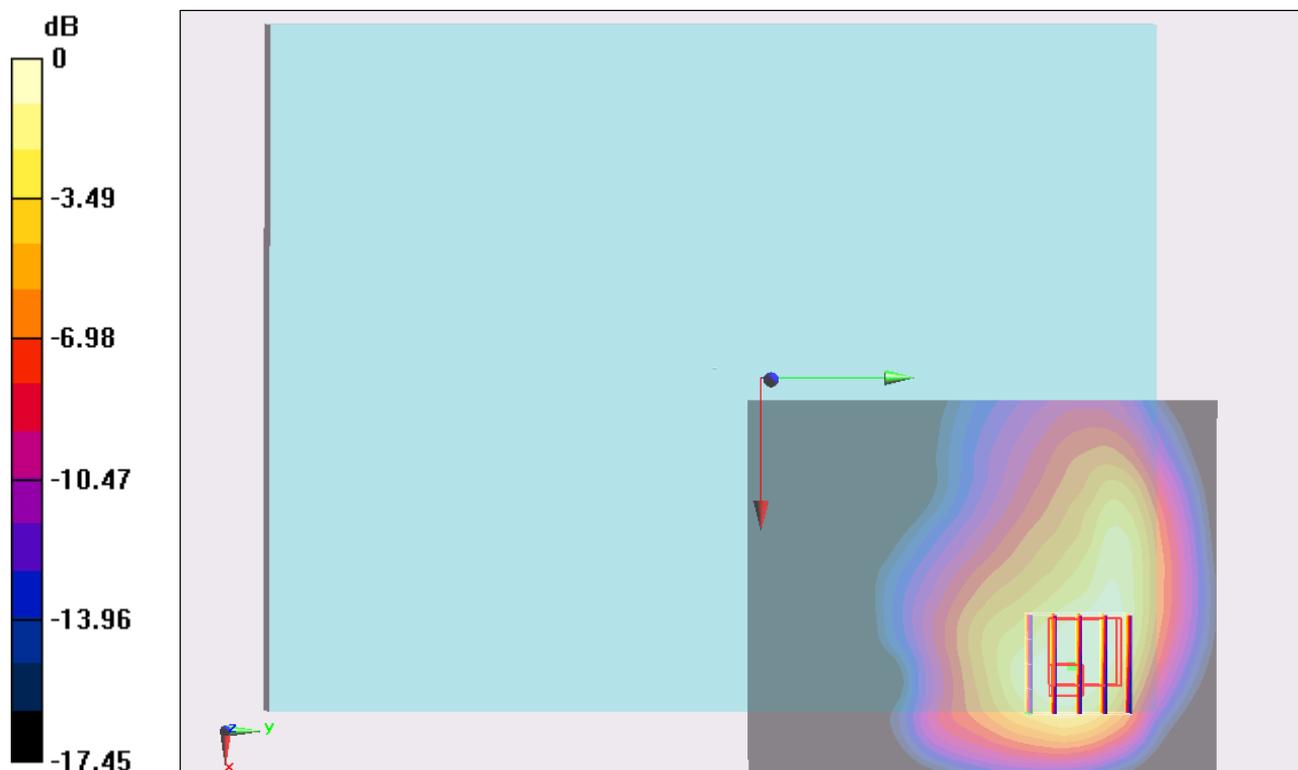
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.083 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.391 mW/g

**SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.462 mW/g**

Maximum value of SAR (measured) = 0.853 mW/g



0 dB = 0.853 mW/g = -1.38 dB mW/g

## #82\_GSM1900\_GPRS (2 Tx slots)\_Bottom\_0cm\_Ch810

### DUT: 2N2103-01

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.531$  mho/m;  $\epsilon_r = 53.168$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.686 mW/g

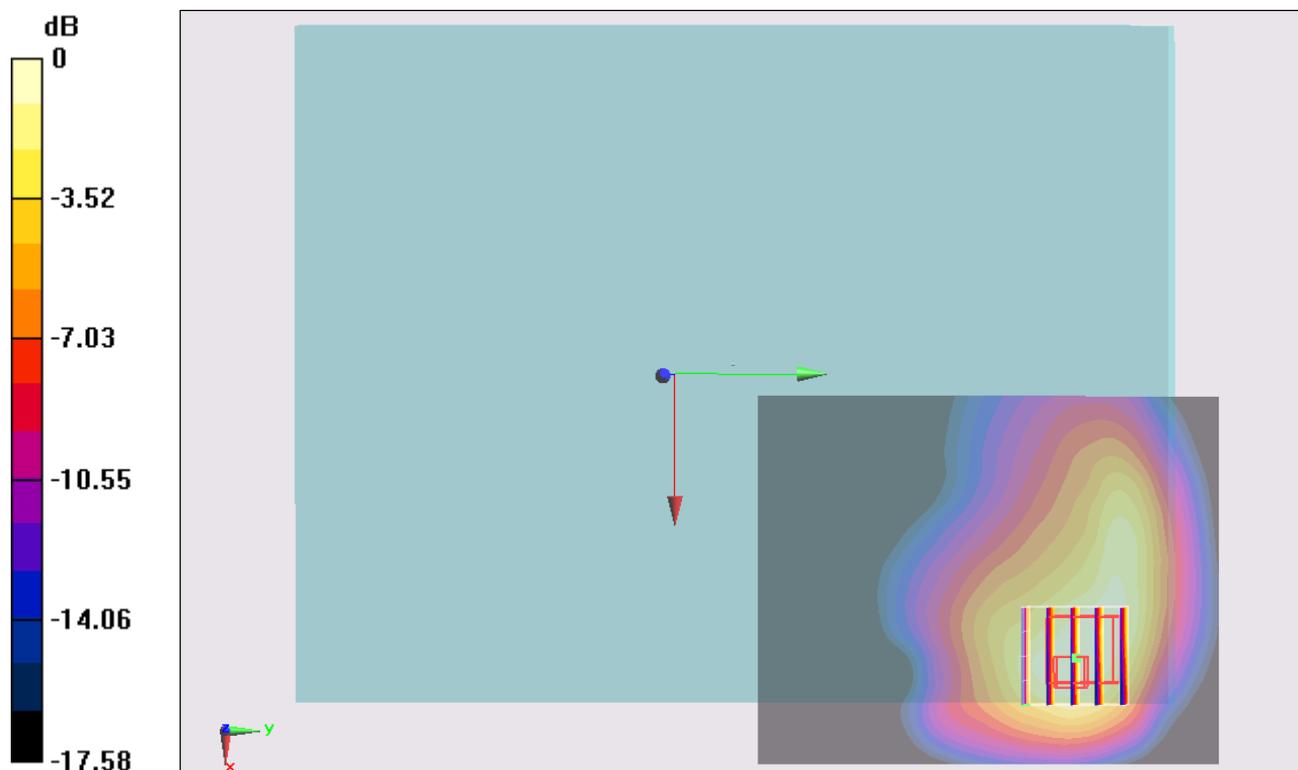
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.755 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.140 mW/g

**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 0.666 mW/g



0 dB = 0.666 mW/g = -3.53 dB mW/g

### #44\_WCDMA V\_RMC12.2K\_Bottom Face\_1cm\_Ch4233

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.533 mW/g

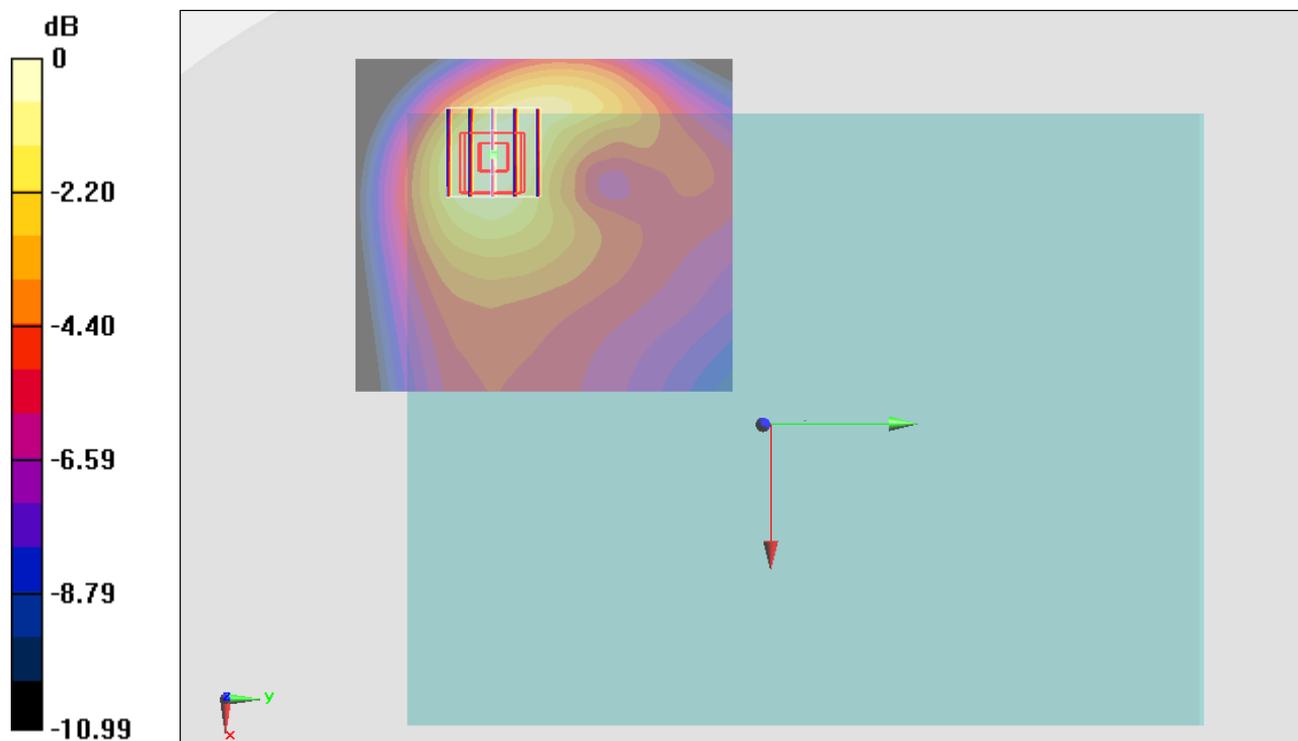
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.170 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.694 mW/g

**SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.331 mW/g**

Maximum value of SAR (measured) = 0.528 mW/g



0 dB = 0.528 mW/g = -5.55 dB mW/g

## #16\_WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_Ch4233

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.31 mW/g

**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.651 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.814 mW/g

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.736 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g

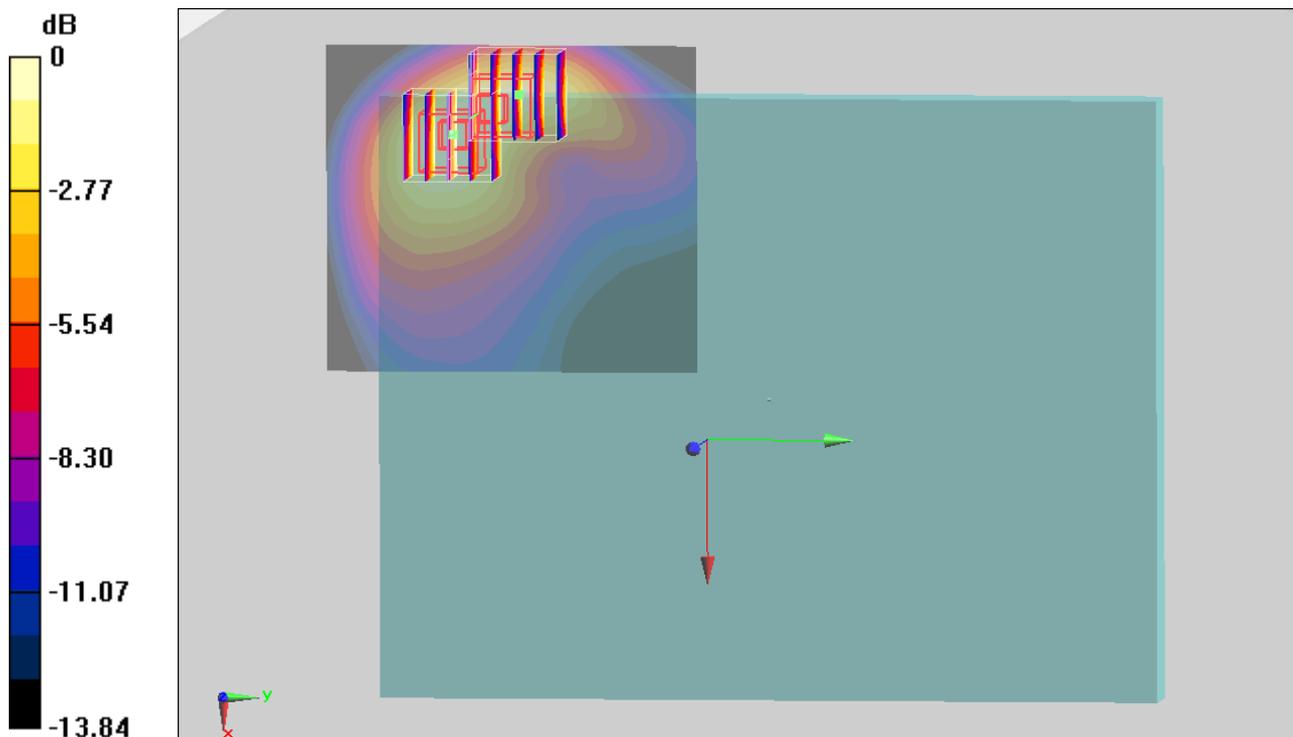
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.651 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.727 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.625 mW/g**

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19 mW/g = 1.51 dB mW/g

## #17\_WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_Ch4132

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.63$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.27 mW/g

**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.404 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.747 mW/g

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.719 mW/g**

Maximum value of SAR (measured) = 1.25 mW/g

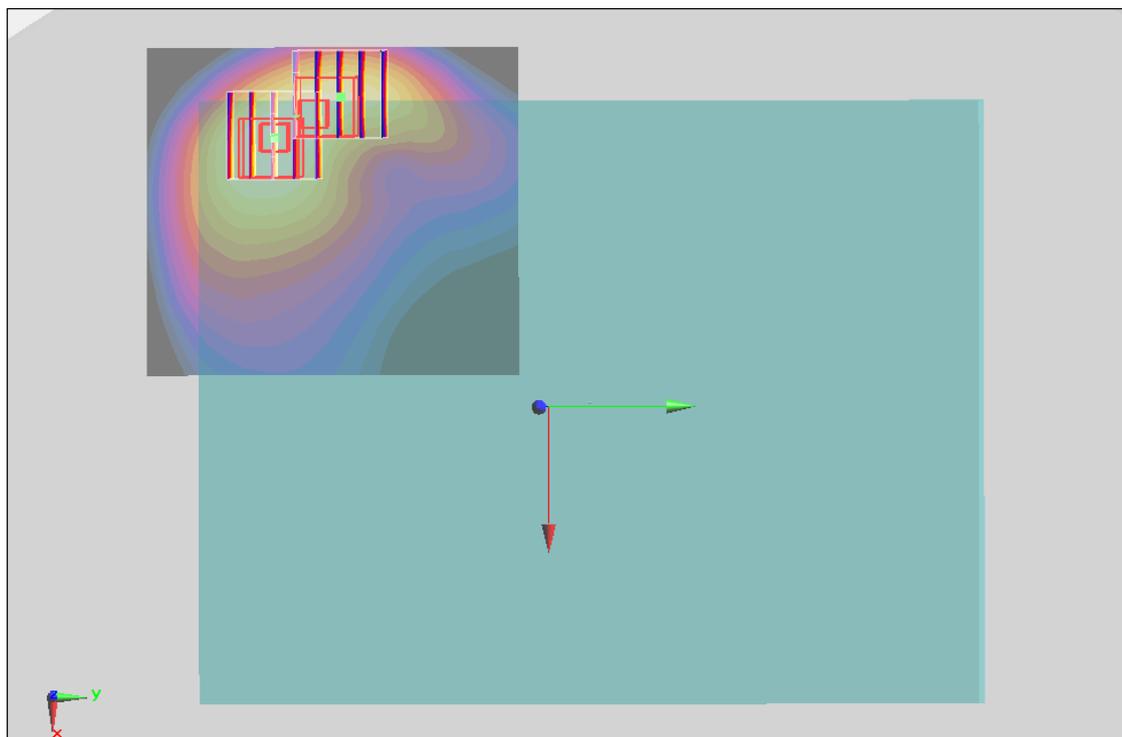
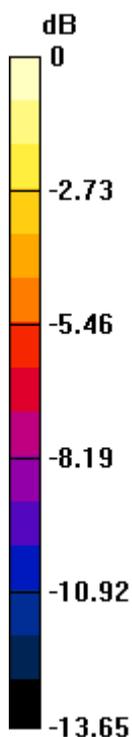
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.404 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.647 mW/g

**SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.584 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13 mW/g = 1.06 dB mW/g

## #18\_WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_Ch4182

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.30 mW/g

**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.867 mW/g

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.773 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g

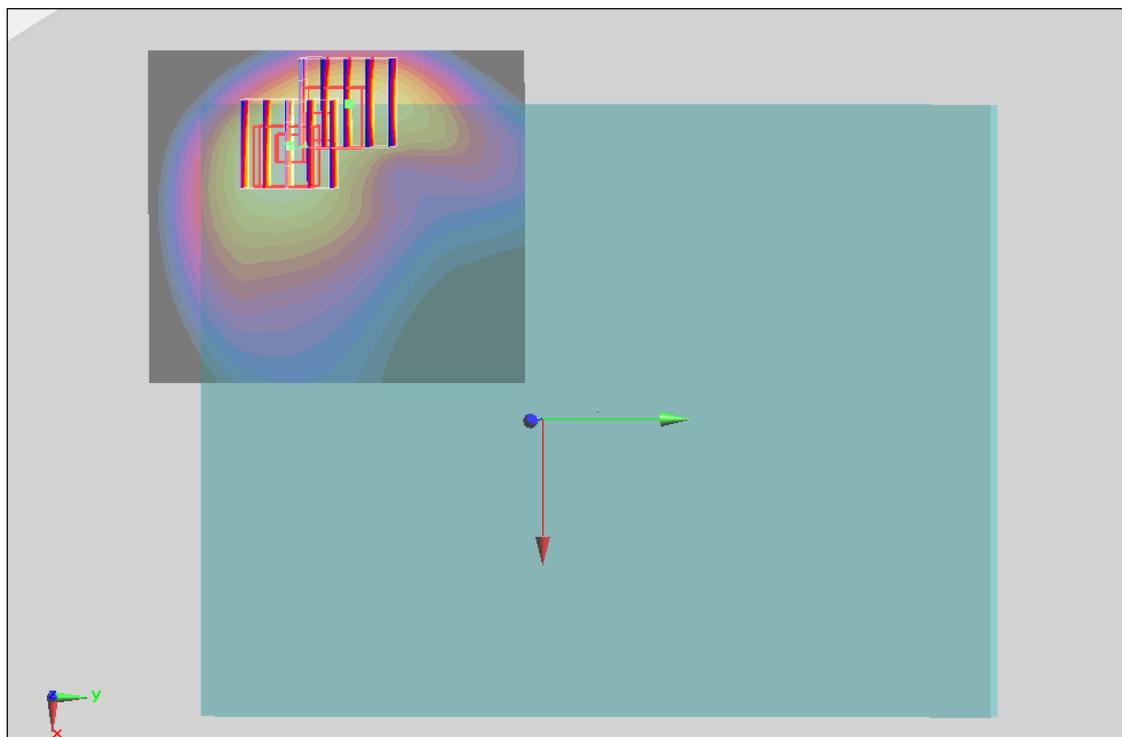
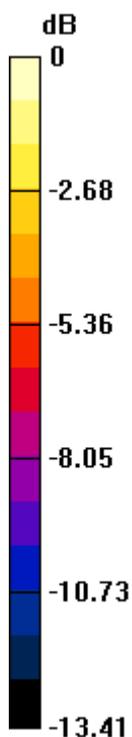
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.853 mW/g

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.651 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.23 mW/g = 1.80 dB mW/g

**#18\_WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_Ch4182\_2D****DUT: 2N2103-01**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.30 mW/g

**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.867 mW/g

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.773 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g

**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

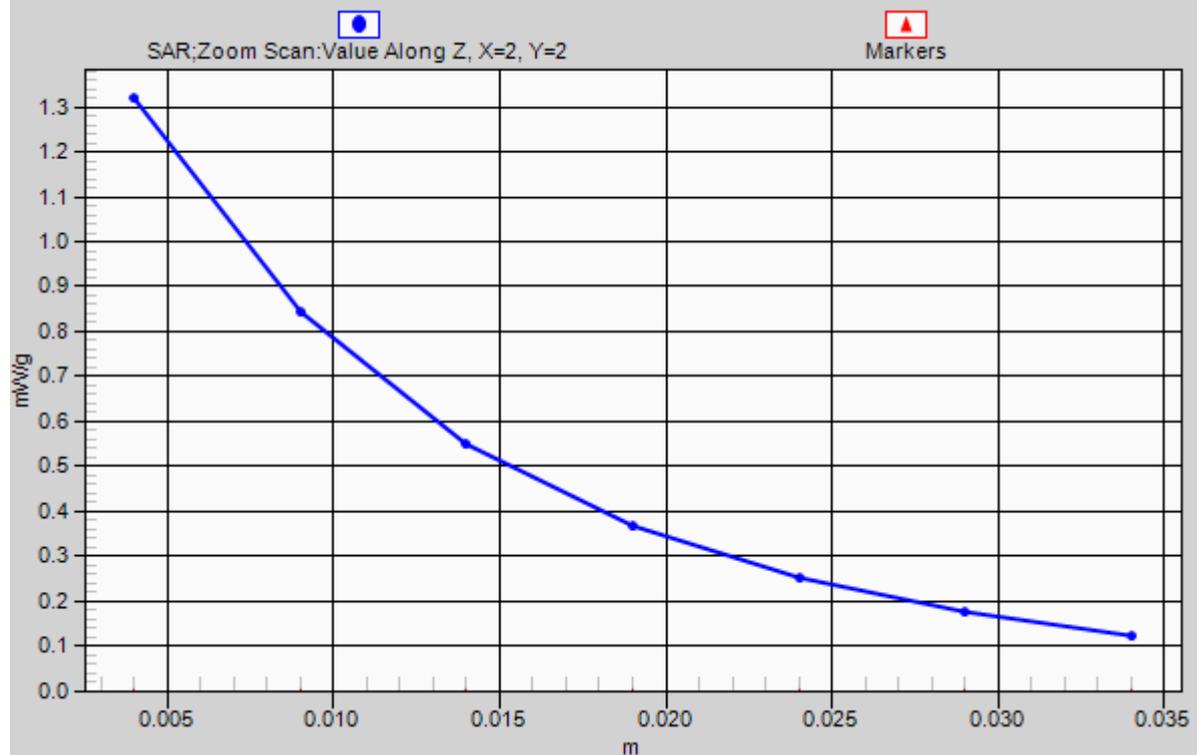
Reference Value = 39.879 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.853 mW/g

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.651 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g

# 1g/10g Averaged SAR



### #45\_WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_Ch4182\_Repeat

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.40 mW/g

**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.532 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.844 mW/g

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.756 mW/g**

Maximum value of SAR (measured) = 1.30 mW/g

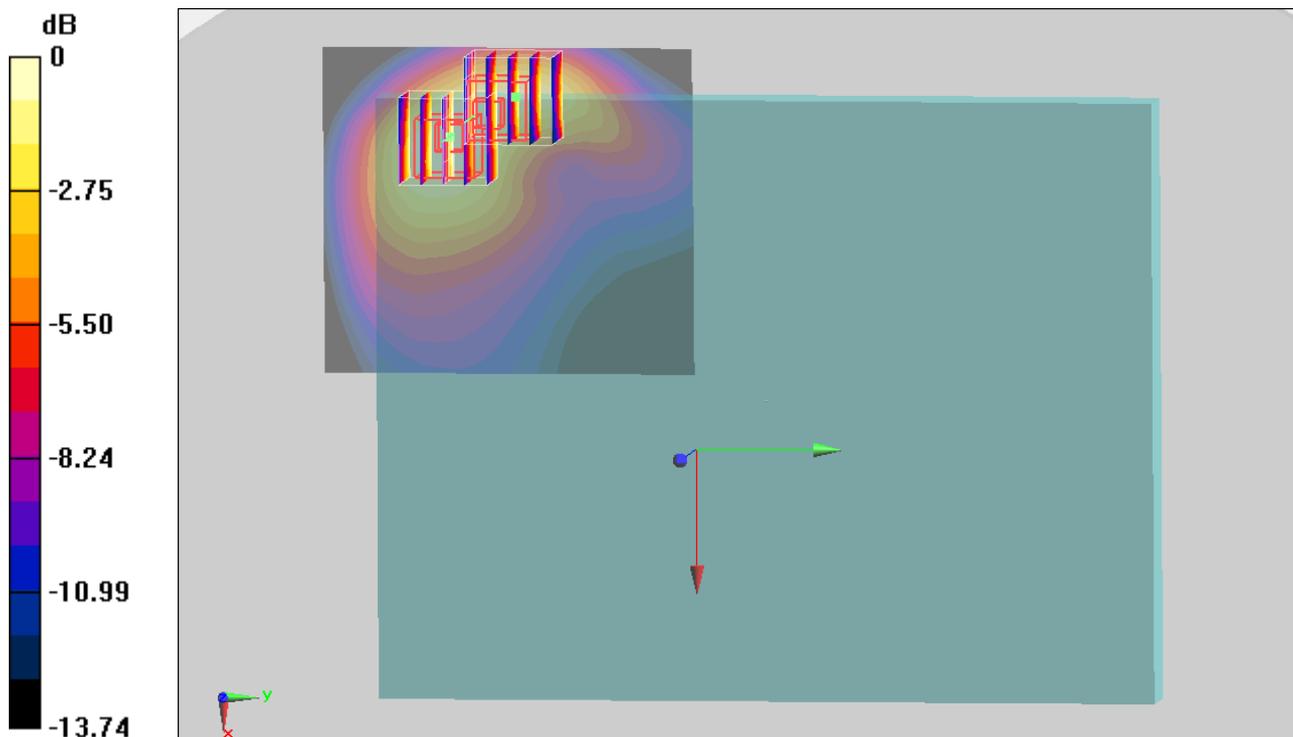
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.532 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.765 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.631 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22 mW/g = 1.73 dB mW/g

## #28\_WCDMA V\_HSDPA\_Bottom Face\_0cm\_Ch4233

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.931 mW/g

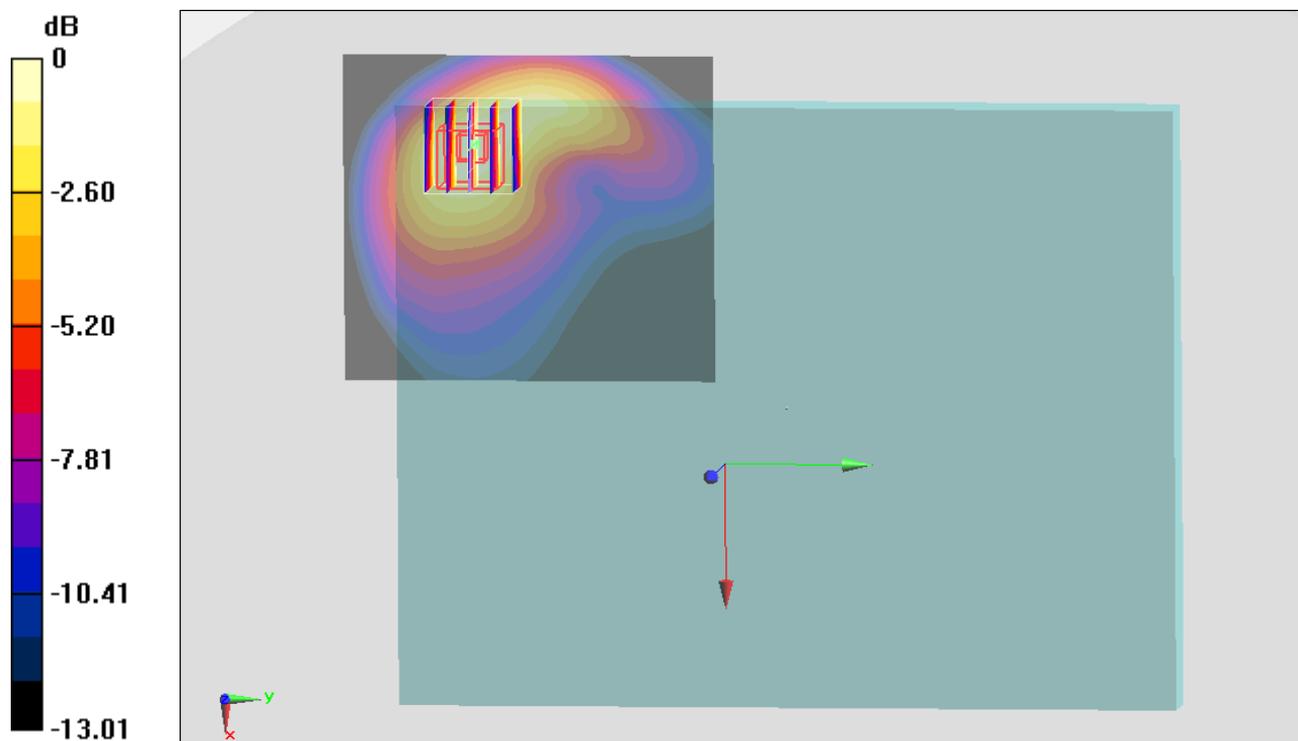
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.742 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.298 mW/g

**SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.513 mW/g**

Maximum value of SAR (measured) = 0.898 mW/g



0 dB = 0.898 mW/g = -0.93 dB mW/g

## #29\_WCDMA V\_HSDPA\_Bottom Face\_0cm\_Ch4132

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.63$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.872 mW/g

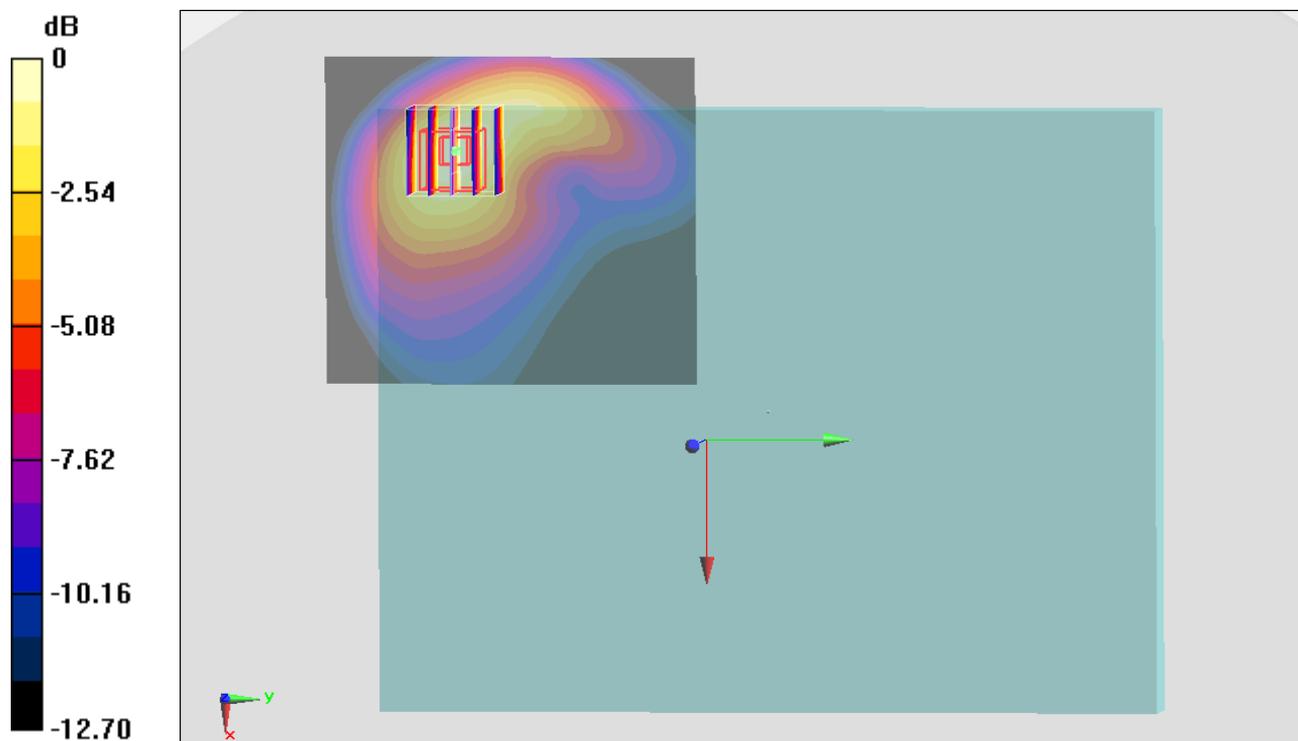
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.012 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.206 mW/g

**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.486 mW/g**

Maximum value of SAR (measured) = 0.846 mW/g



0 dB = 0.846 mW/g = -1.45 dB mW/g

### #30\_WCDMA V\_HSDPA\_Bottom Face\_0cm\_Ch4182

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.933 mW/g

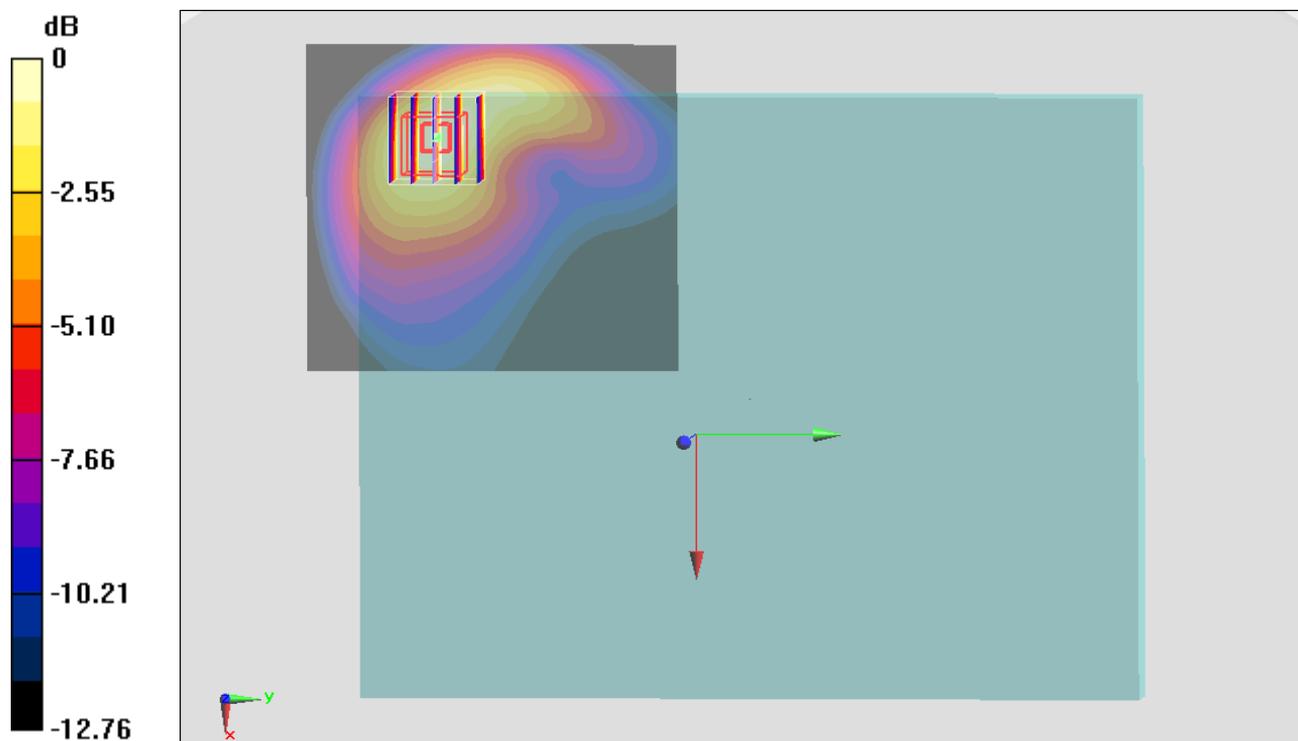
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.987 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.297 mW/g

**SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.908 mW/g



0 dB = 0.908 mW/g = -0.84 dB mW/g

### #31\_WCDMA V\_HSUPA\_Bottom Face\_0cm\_Ch4233

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.12 mW/g

**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.734 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.528 mW/g

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.621 mW/g**

Maximum value of SAR (measured) = 1.09 mW/g

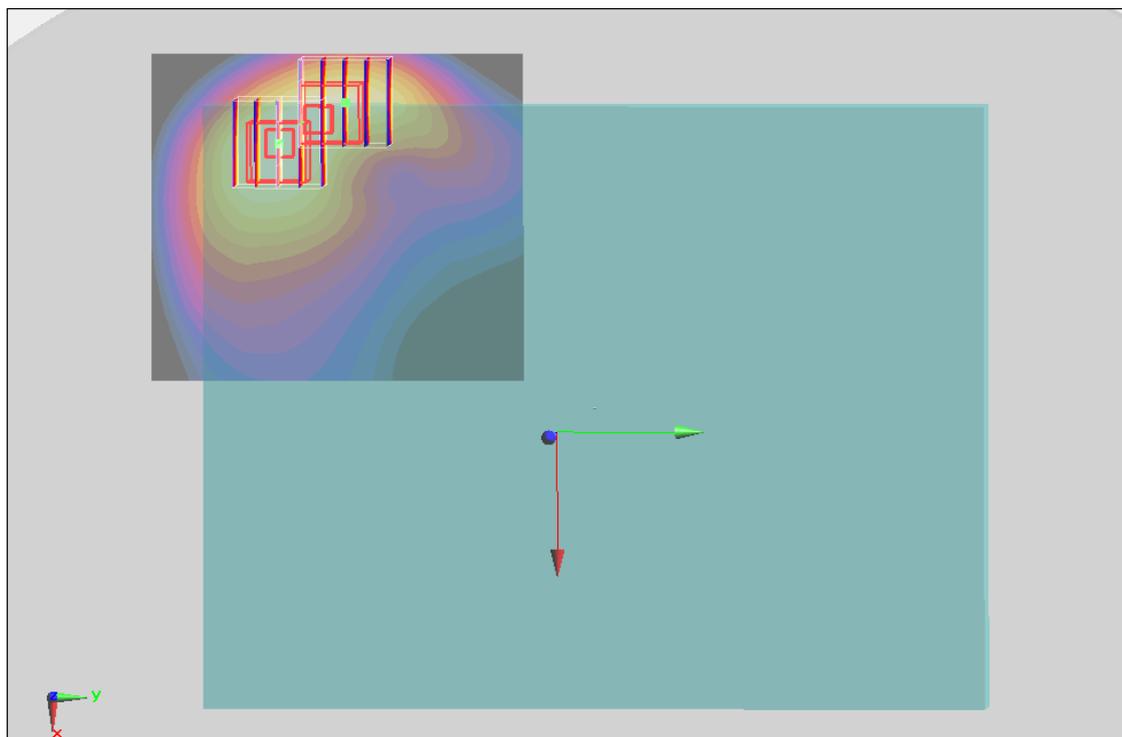
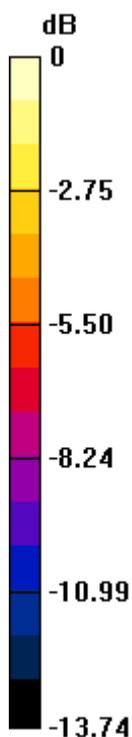
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.734 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.458 mW/g

**SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.527 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00 mW/g = 0.00 dB mW/g

## #32\_WCDMA V\_HSUPA\_Bottom Face\_0cm\_Ch4132

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.63$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.852 mW/g

**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.623 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.180 mW/g

**SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.477 mW/g**

Maximum value of SAR (measured) = 0.827 mW/g

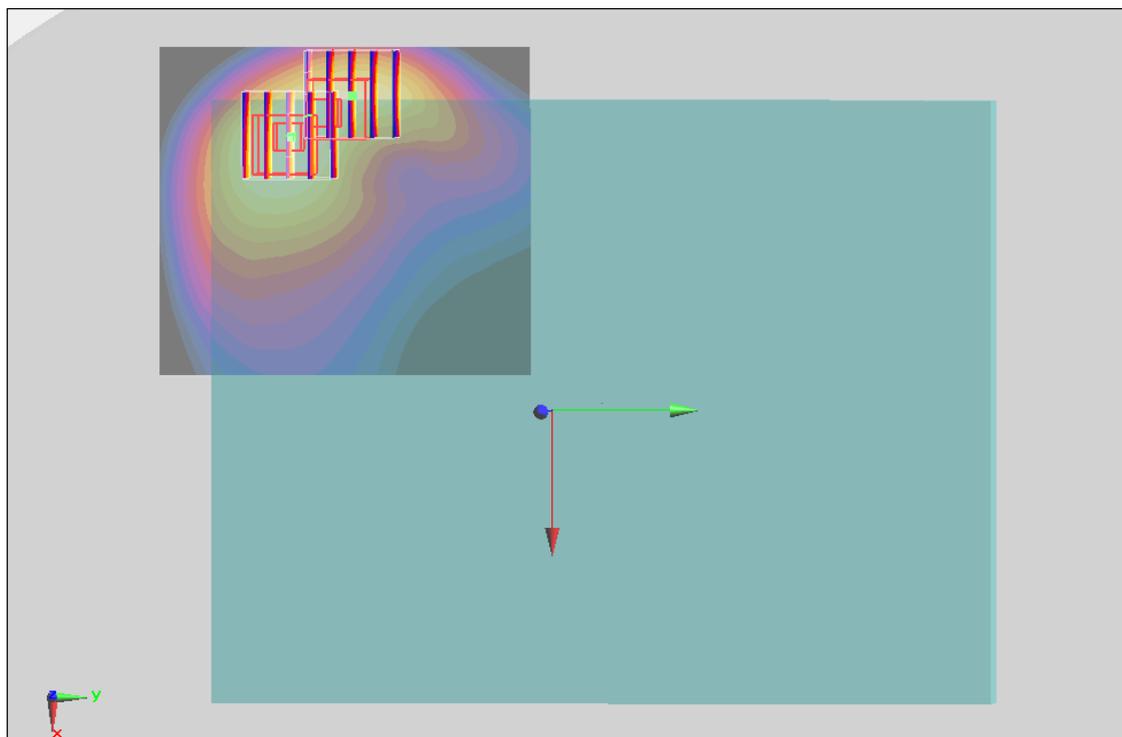
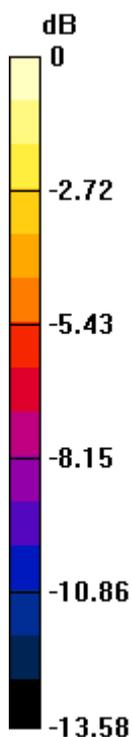
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.623 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.143 mW/g

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.390 mW/g**

Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.752 mW/g = -2.48 dB mW/g

### #33\_WCDMA V\_HSUPA\_Bottom Face\_0cm\_Ch4182

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.09 mW/g

**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.466 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.485 mW/g

**SAR(1 g) = 0.967 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.06 mW/g

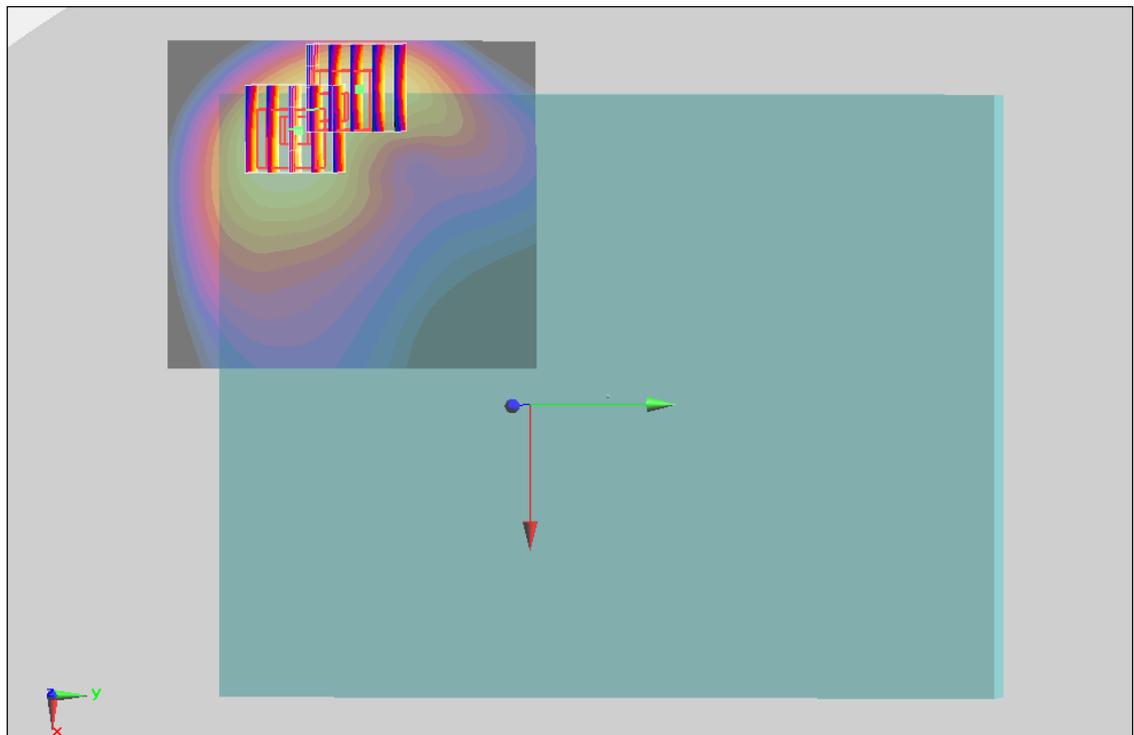
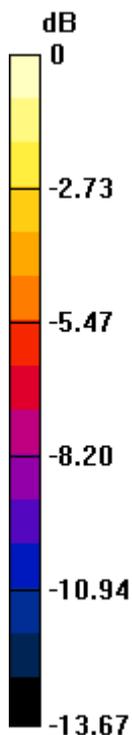
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.466 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.403 mW/g

**SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.959 mW/g



0 dB = 0.959 mW/g = -0.36 dB mW/g

## #19\_WCDMA V\_RMC12.2K\_Edge 3\_0cm\_Ch4233

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.34 mW/g

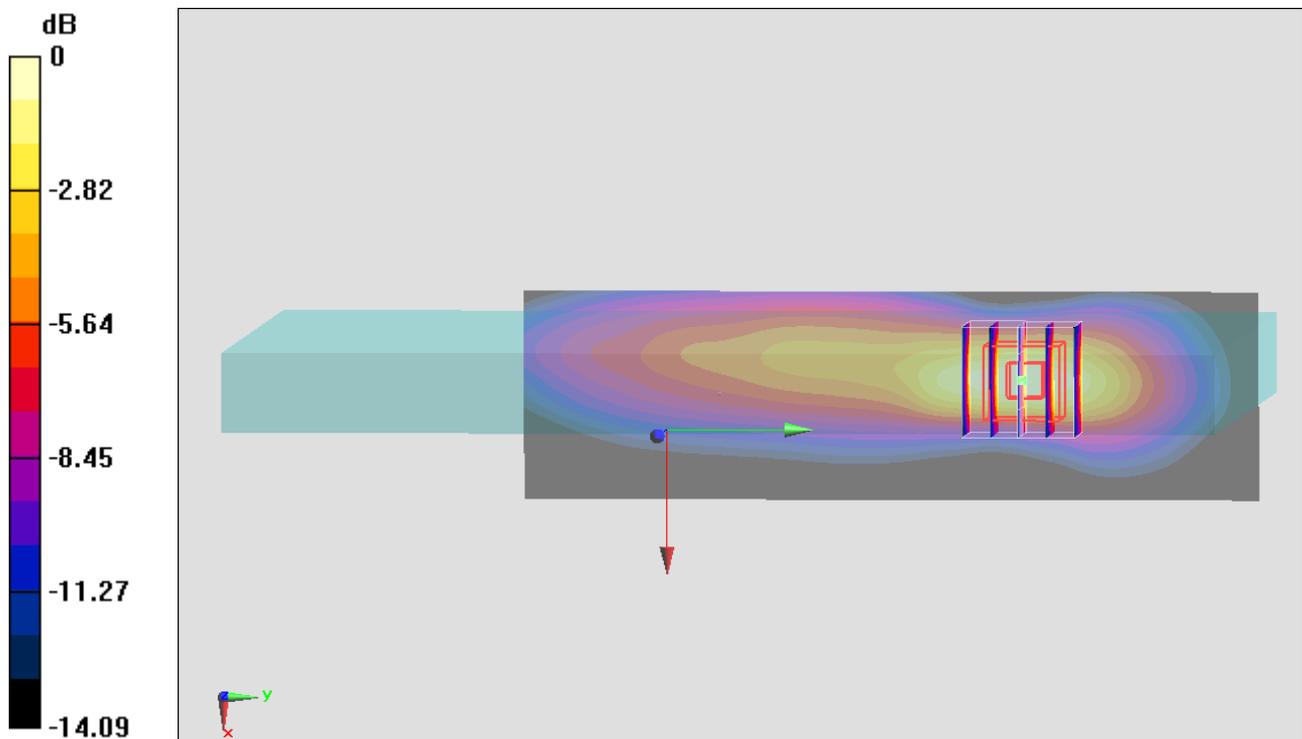
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.541 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.108 mW/g

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.602 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32 mW/g = 2.41 dB mW/g

## #20\_WCDMA V\_RMC12.2K\_Edge 3\_0cm\_Ch4132

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.63$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.19 mW/g

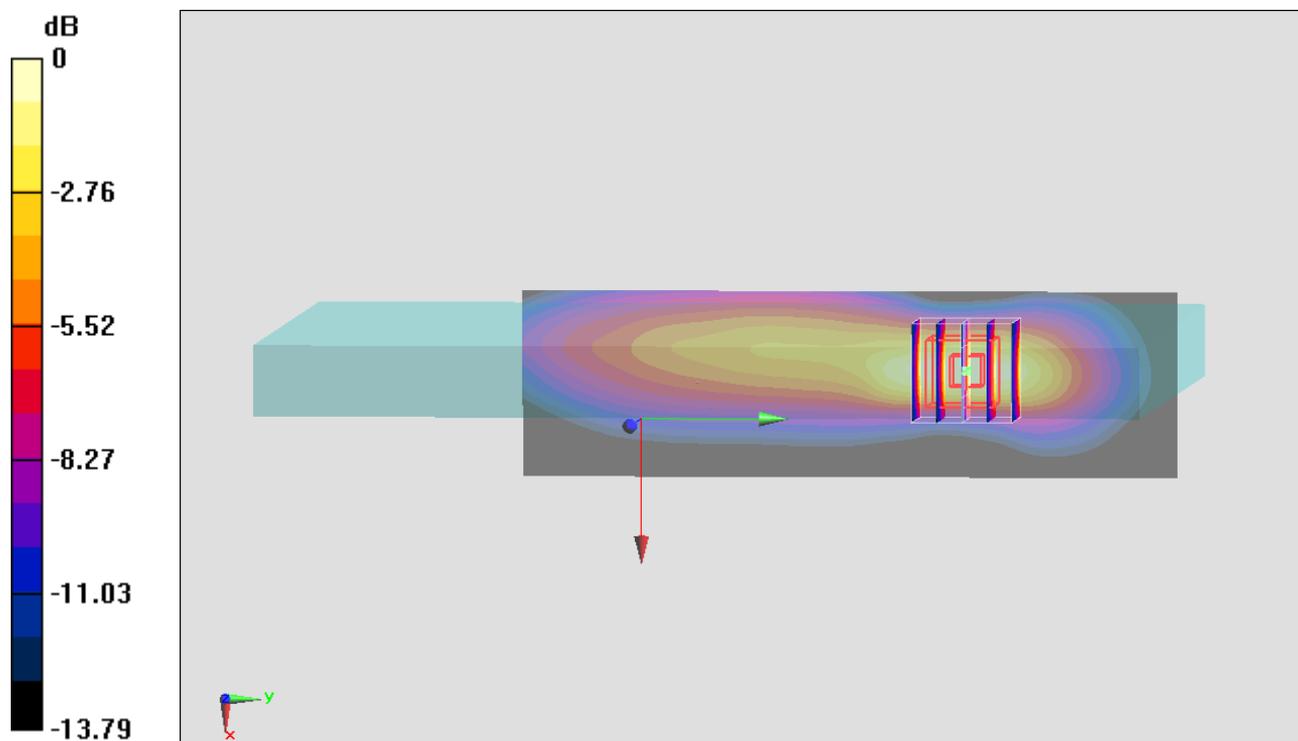
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.507 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.862 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.528 mW/g**

Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14 mW/g = 1.14 dB mW/g

## #21\_WCDMA V\_RMC12.2K\_Edge 3\_0cm\_Ch4182

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.15 mW/g

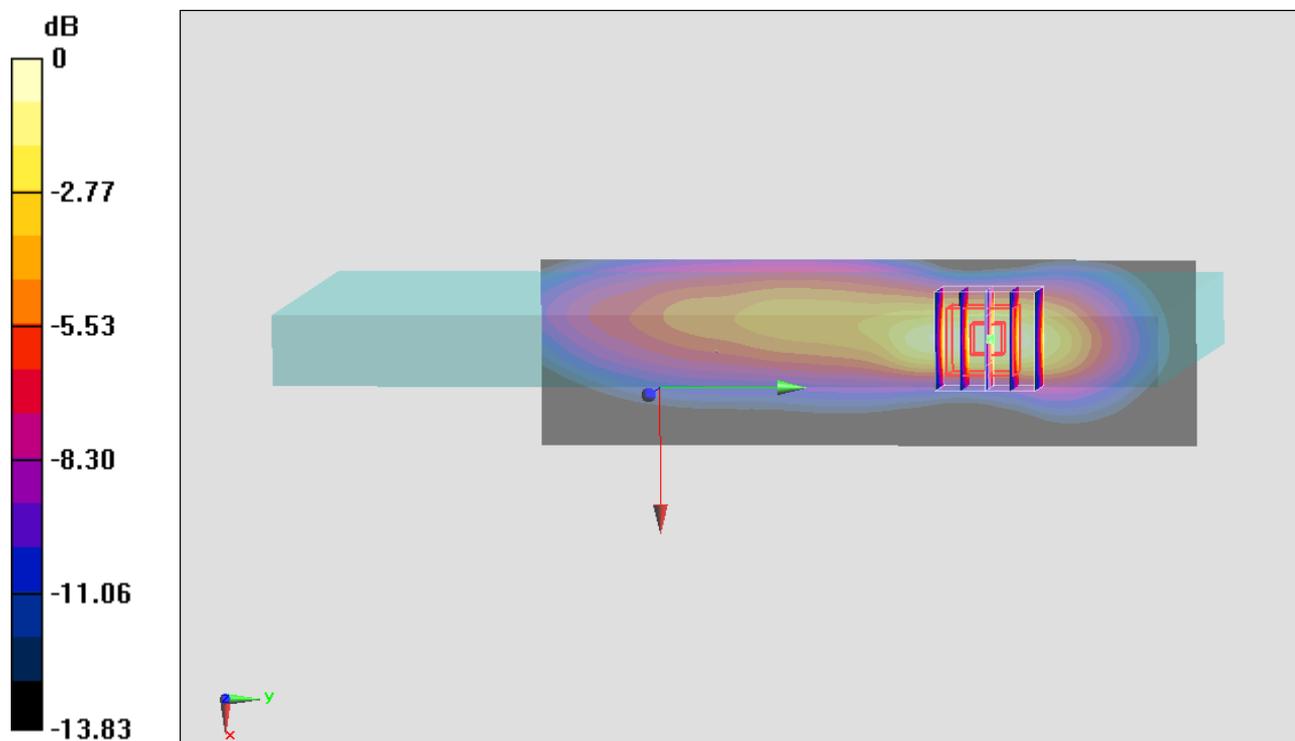
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.709 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.799 mW/g

**SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g

### #34\_WCDMA V\_RMC12.2K\_Edge 4\_0cm\_Ch4233

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (41x181x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.645 mW/g

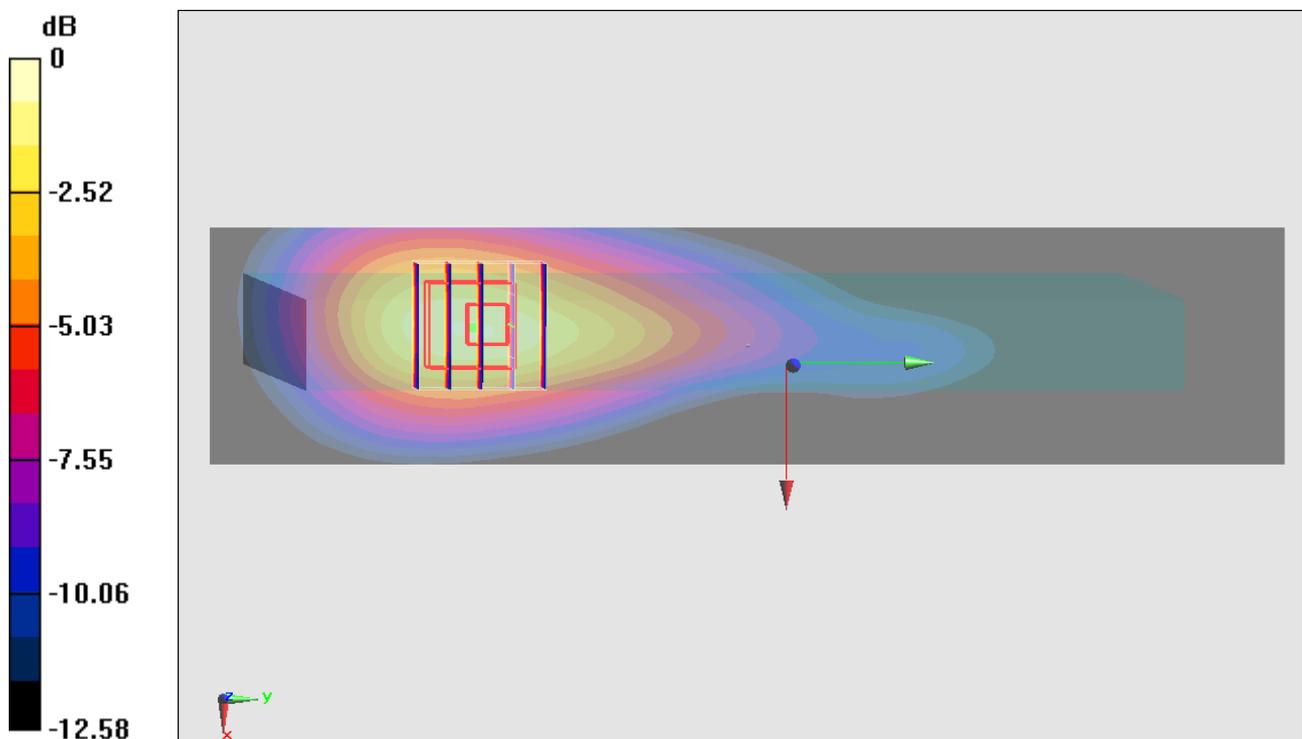
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.425 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.264 mW/g

**SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.386 mW/g**

Maximum value of SAR (measured) = 0.764 mW/g



0 dB = 0.764 mW/g = -2.34 dB mW/g

### #35\_WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4233

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

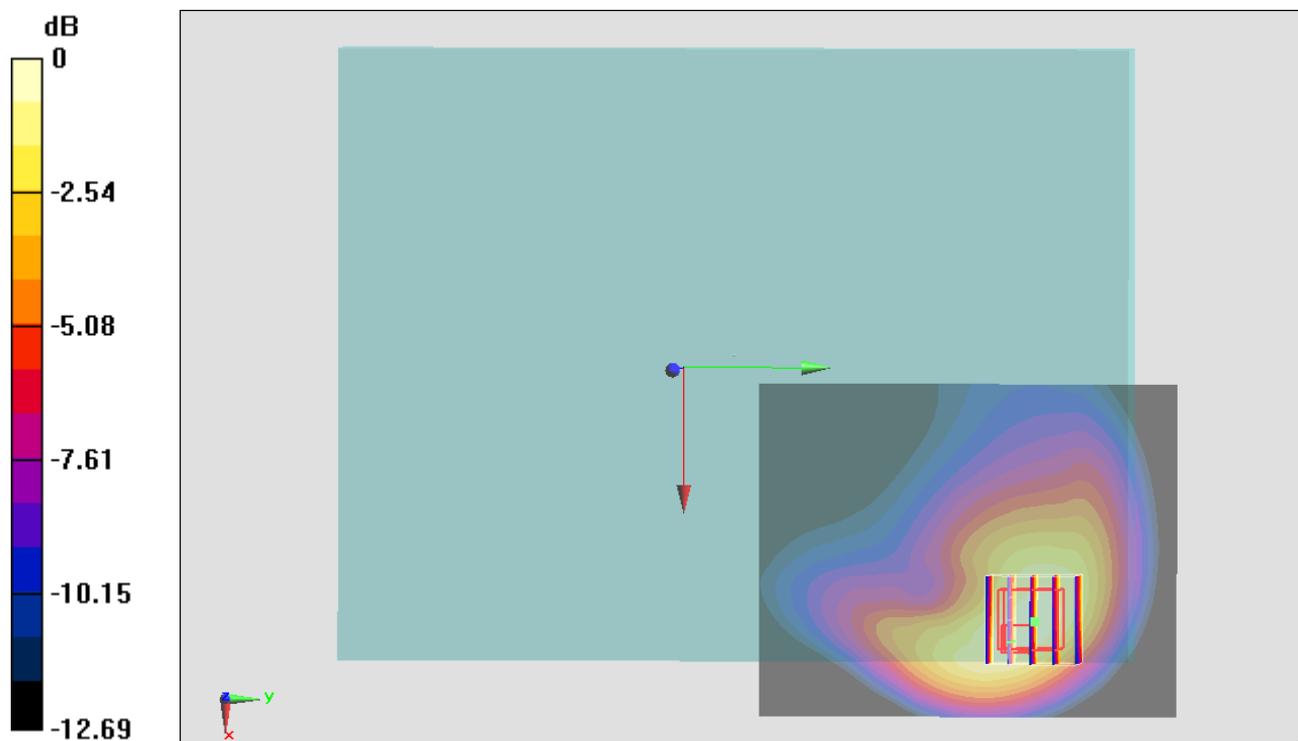
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.550 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.613 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.637 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13 mW/g = 1.06 dB mW/g

### #36\_WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4132

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 54.63$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.08 mW/g

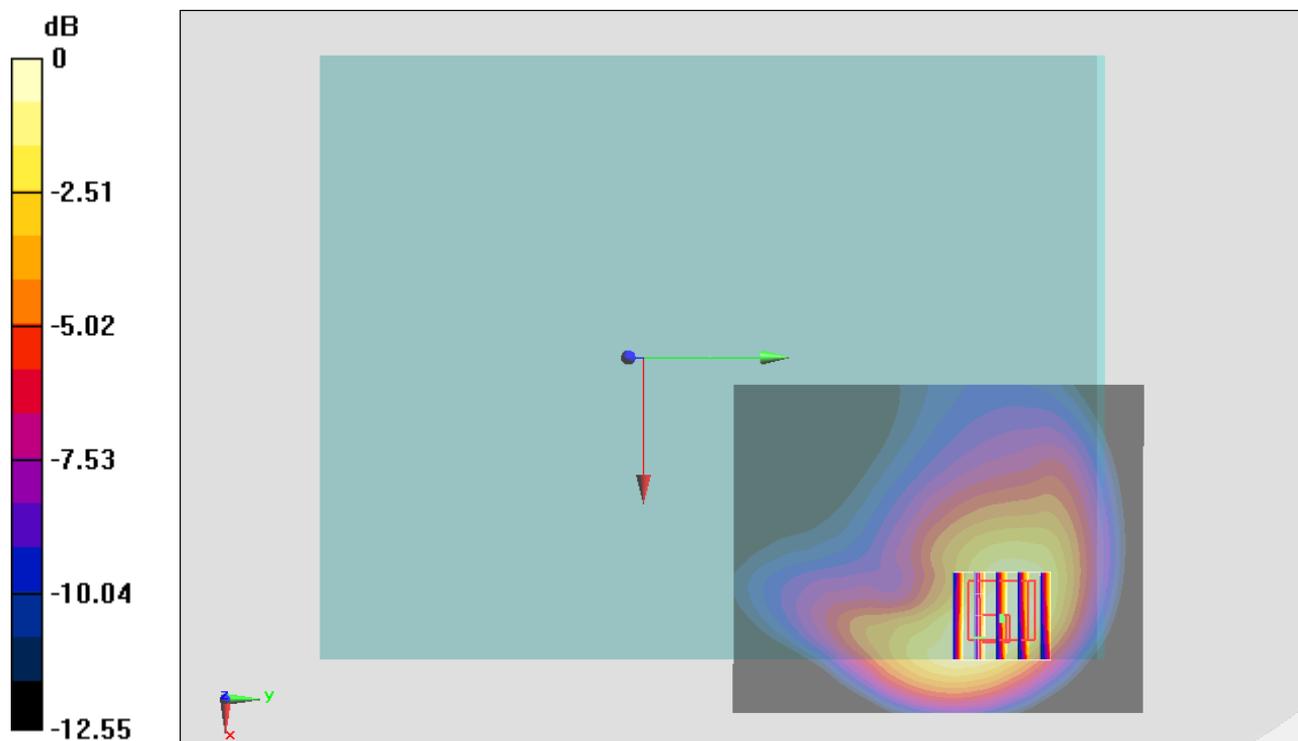
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.014 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.497 mW/g

**SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04 mW/g = 0.34 dB mW/g

### #37\_WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4182

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121217 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.526$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

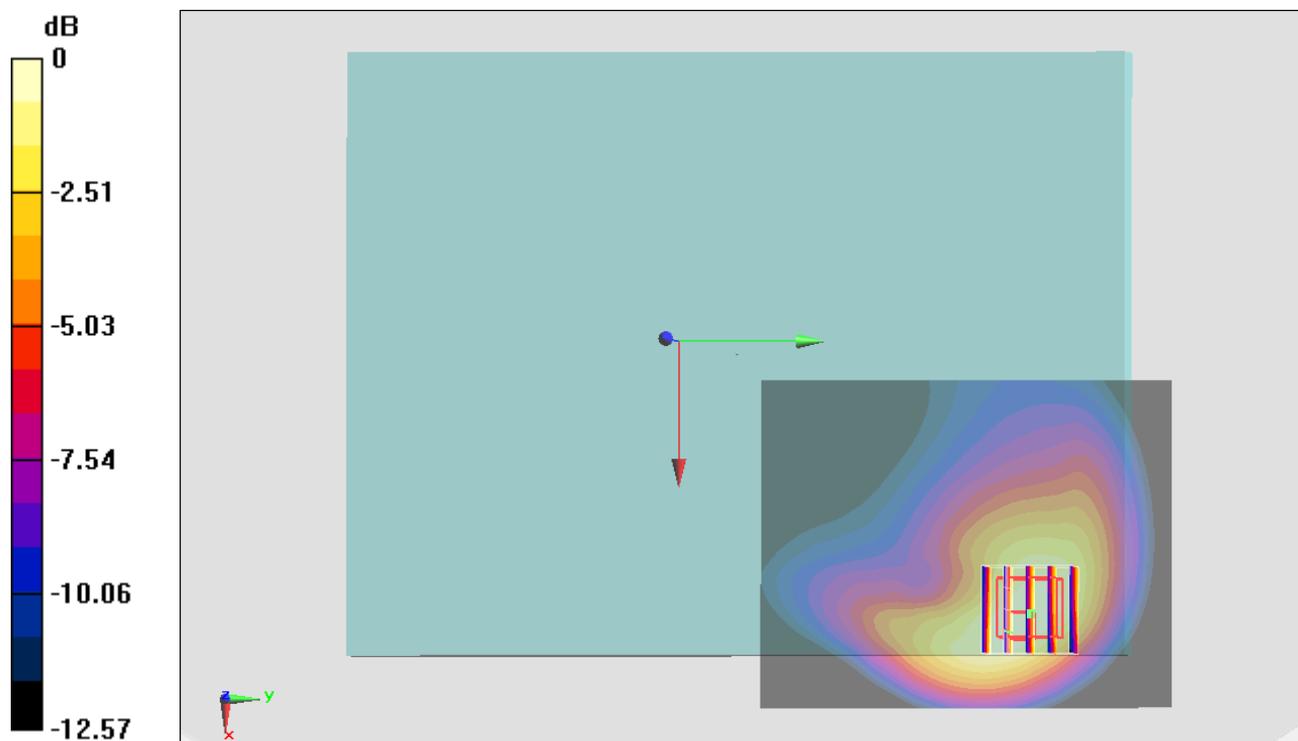
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.291 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.543 mW/g

**SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.626 mW/g**

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08 mW/g = 0.67 dB mW/g

### #119\_WCDMA IV\_RMC12.2K\_Bottom Face\_1cm\_Ch1312

**DUT: 2N2103-01**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750\_121219 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

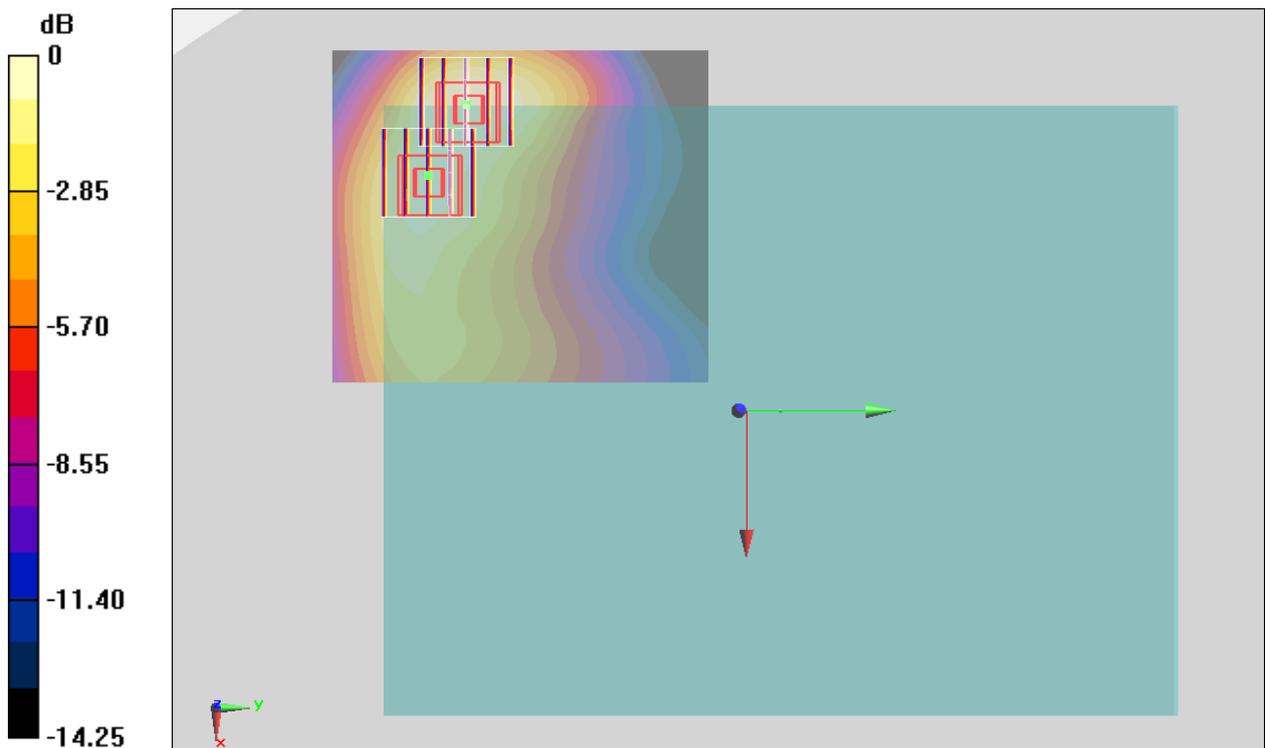
DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.613 mW/g

**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.134 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.824 mW/g  
**SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.341 mW/g**  
Maximum value of SAR (measured) = 0.612 mW/g

**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.134 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.727 mW/g  
**SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.306 mW/g**  
Maximum value of SAR (measured) = 0.537 mW/g



0 dB = 0.537 mW/g = -5.40 dB mW/g

## #105\_WCDMA IV\_RMC12.2K\_Bottom Face\_0cm\_Ch1413

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.750 mW/g

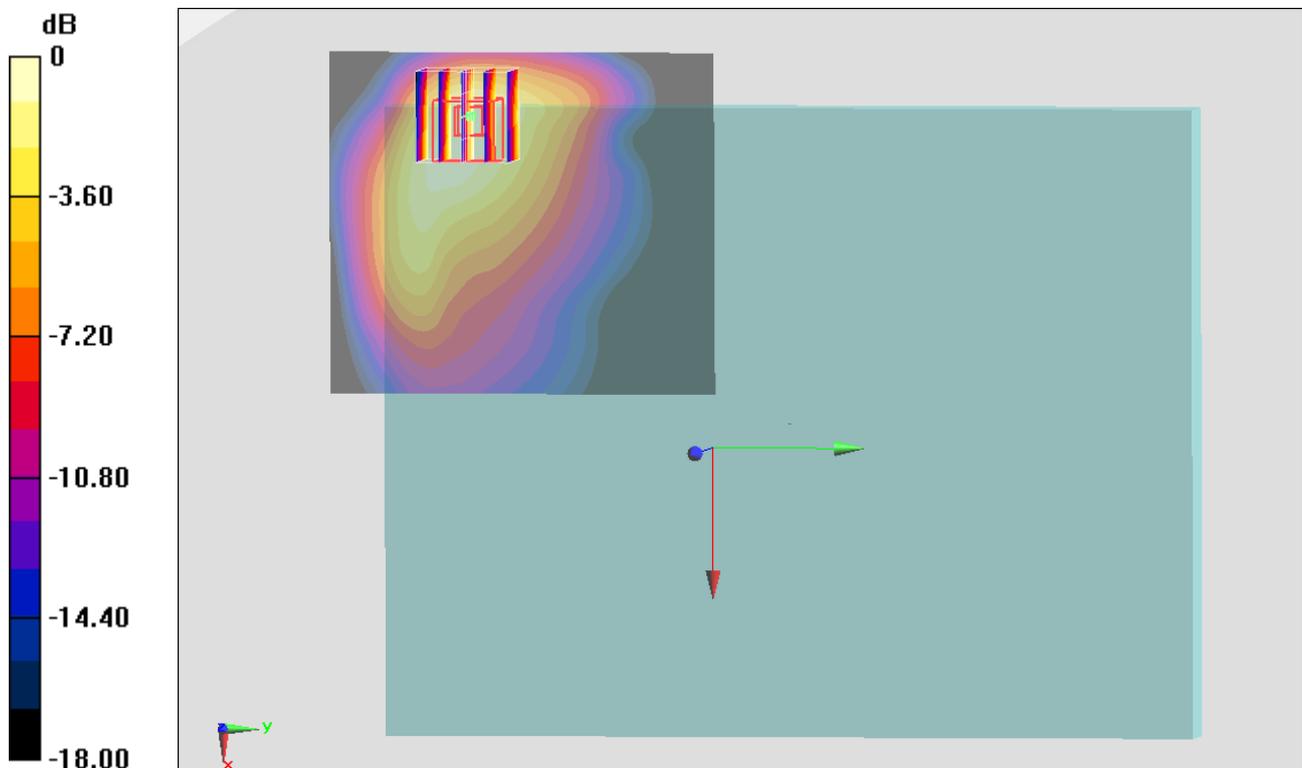
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.204 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.178 mW/g

**SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.406 mW/g**

Maximum value of SAR (measured) = 0.799 mW/g



0 dB = 0.799 mW/g = -1.95 dB mW/g

### #106\_WCDMA IV\_RMC12.2K\_Edge 3\_0cm\_Ch1413

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x131x1)** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.921 mW/g

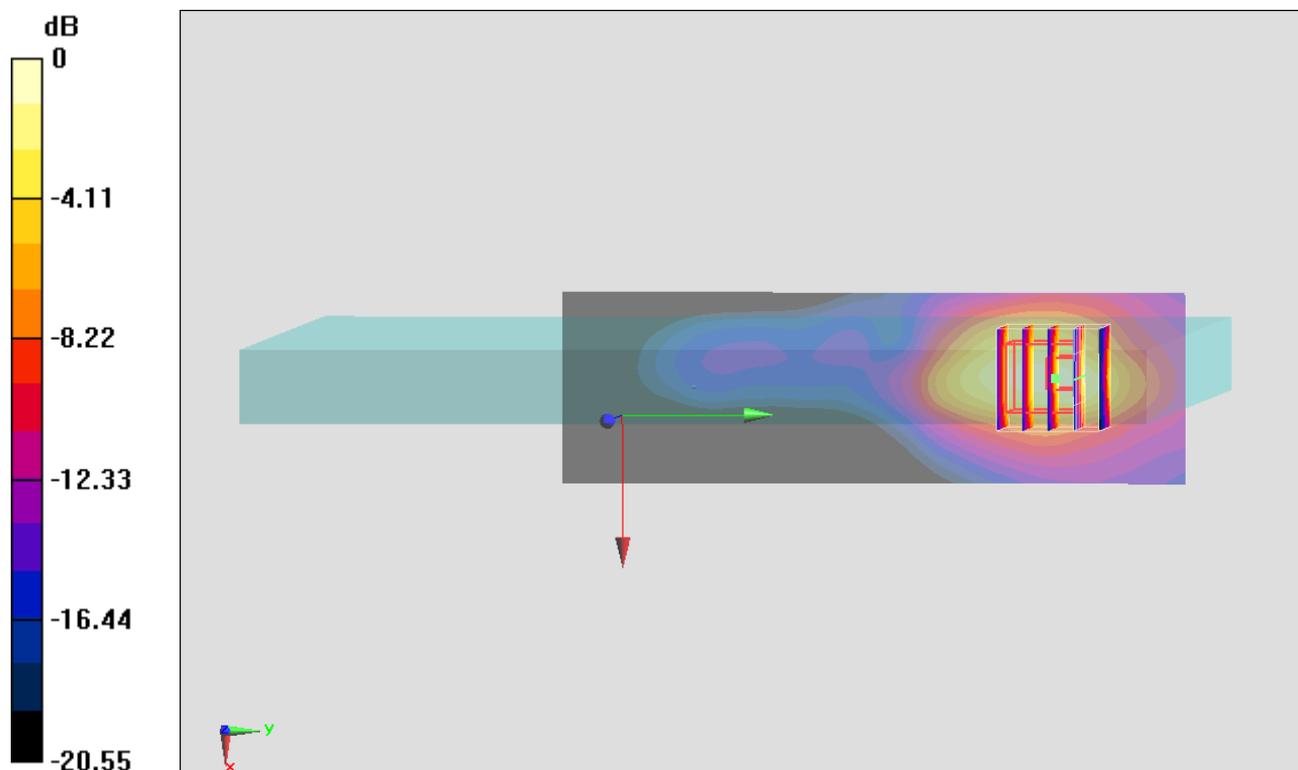
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.581 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.753 mW/g

**SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09 mW/g = 0.75 dB mW/g

## #107\_WCDMA IV\_RMC12.2K\_Edge 3\_0cm\_Ch1312

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (41x131x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.993 mW/g

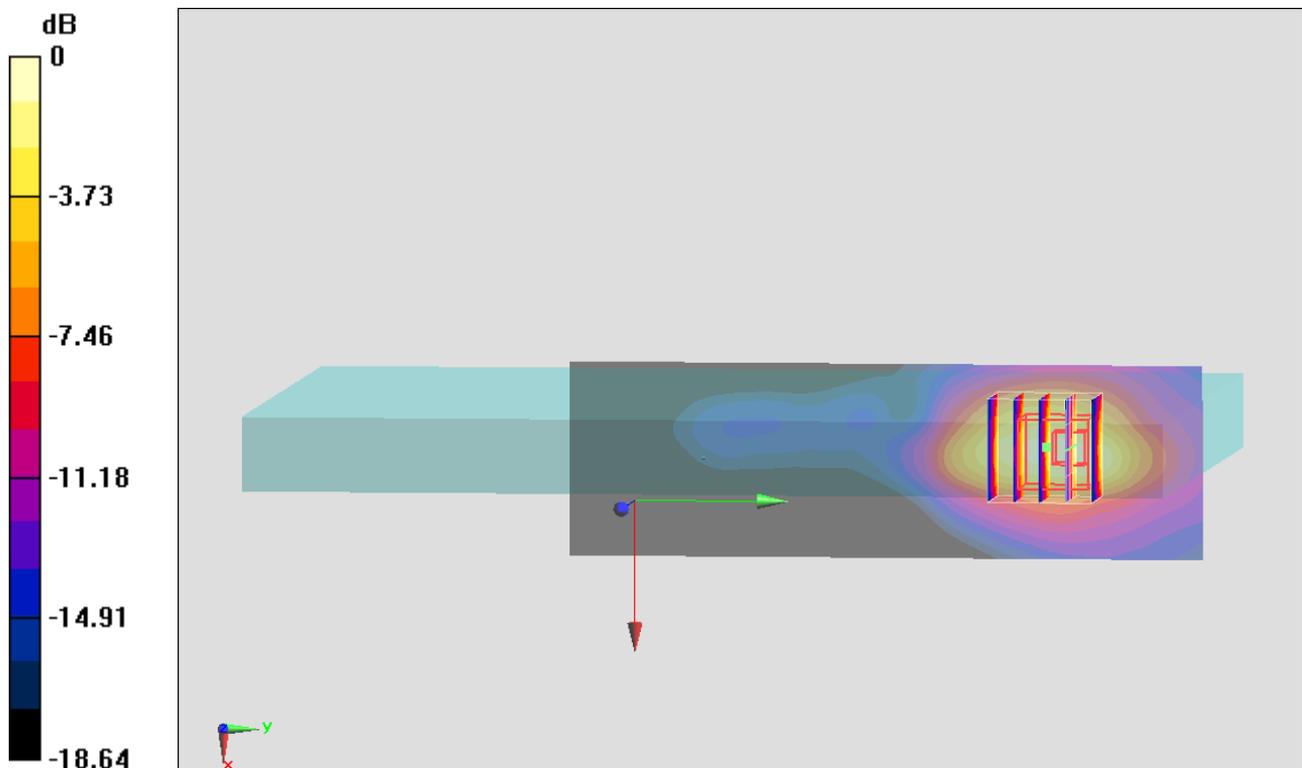
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.810 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.742 mW/g

**SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.480 mW/g**

Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16 mW/g = 1.29 dB mW/g

### #108\_WCDMA IV\_RMC12.2K\_Edge 3\_0cm\_Ch1513

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 51.509$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1513/Area Scan (41x131x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.850 mW/g

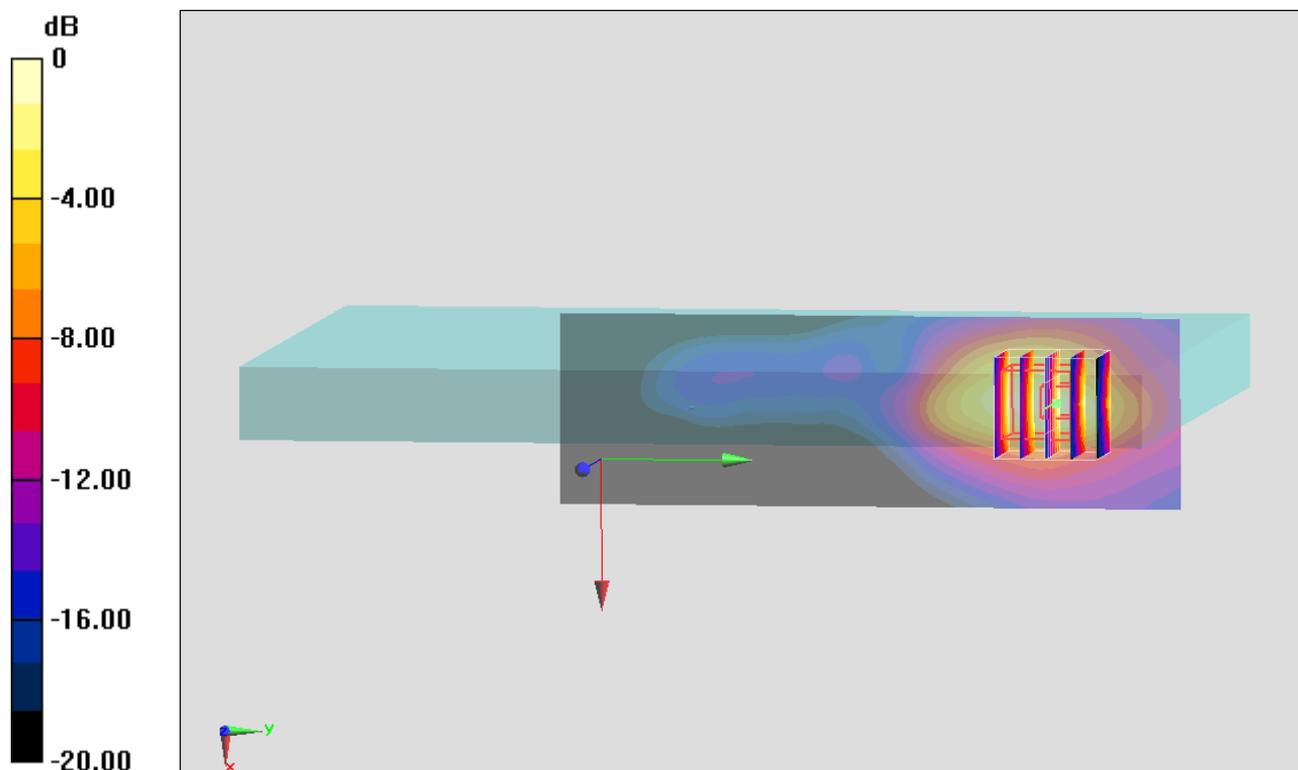
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.512 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.652 mW/g

**SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.412 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g



### #109\_WCDMA IV\_RMC12.2K\_Edge 4\_0cm\_Ch1413

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.61 mW/g

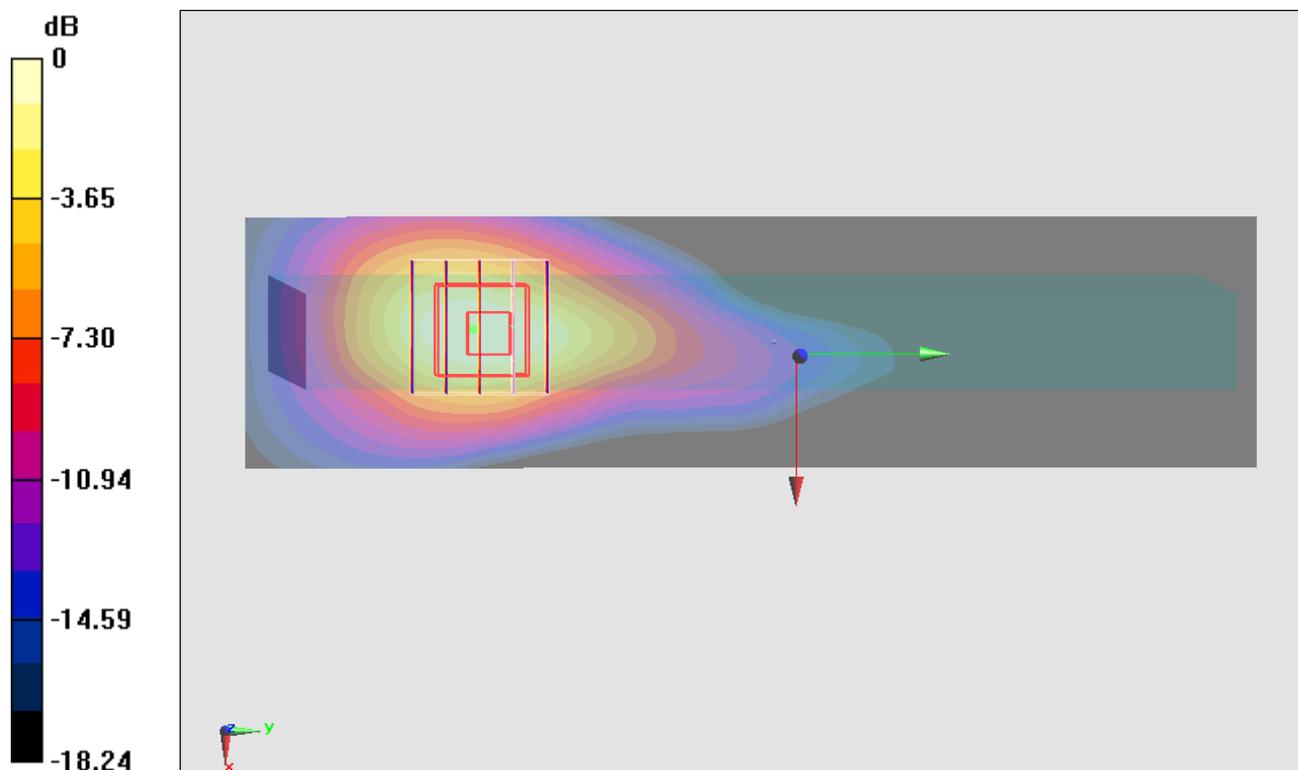
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.462 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.981 mW/g

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.726 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g



0 dB = 1.49 mW/g = 3.46 dB mW/g

### #109\_WCDMA IV\_RMC12.2K\_Edge 4\_0cm\_Ch1413\_2D

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.61 mW/g

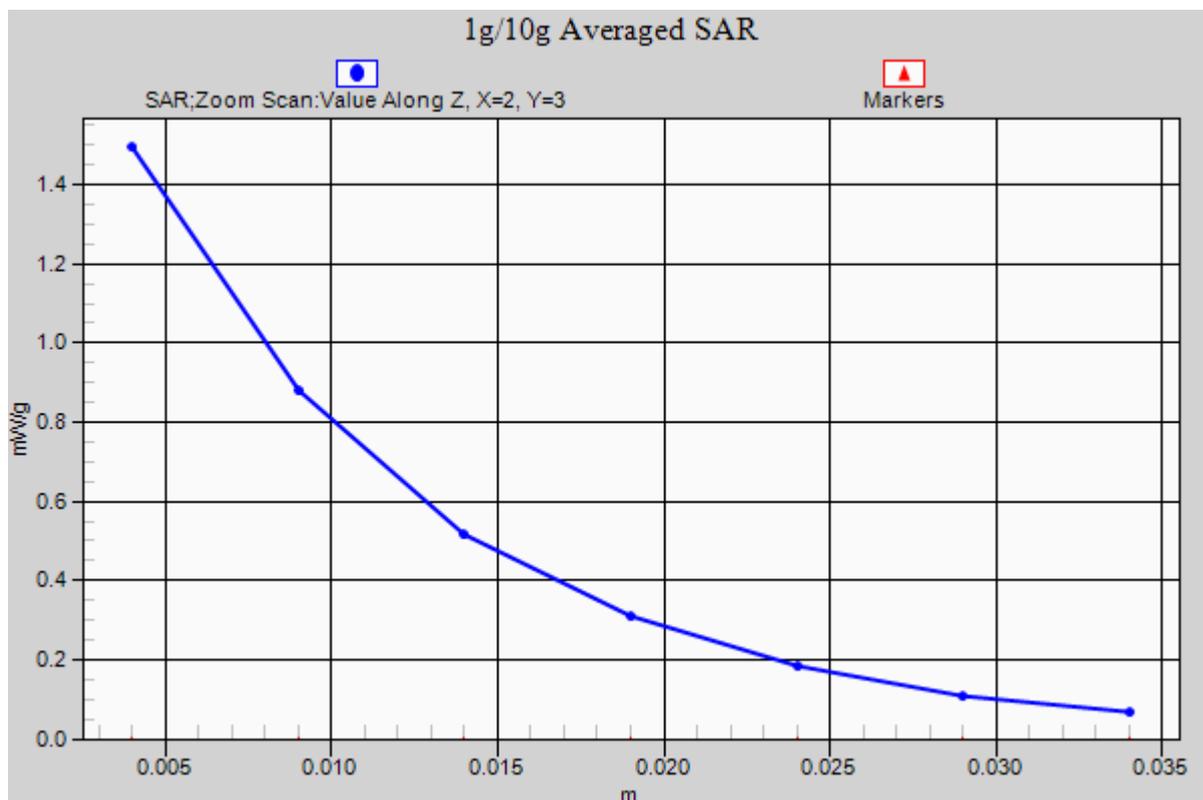
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.462 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.981 mW/g

**SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.726 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g



## #120\_WCDMA IV\_RMC12.2K\_Edge 4\_0cm\_Ch1413\_Repeat

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.49 mW/g

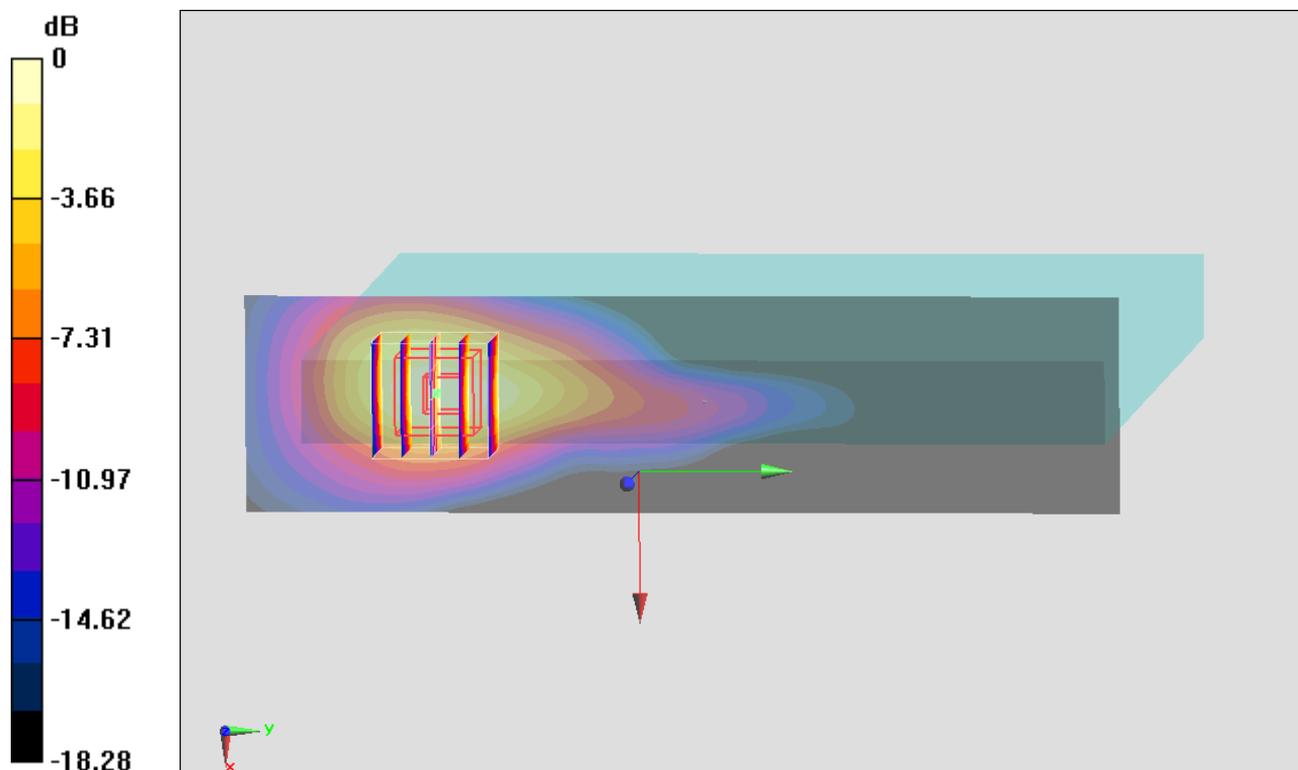
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.994 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.876 mW/g

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.699 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43 mW/g = 3.11 dB mW/g

## #110\_WCDMA IV\_RMC12.2K\_Edge 4\_0cm\_Ch1312

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.45 mW/g

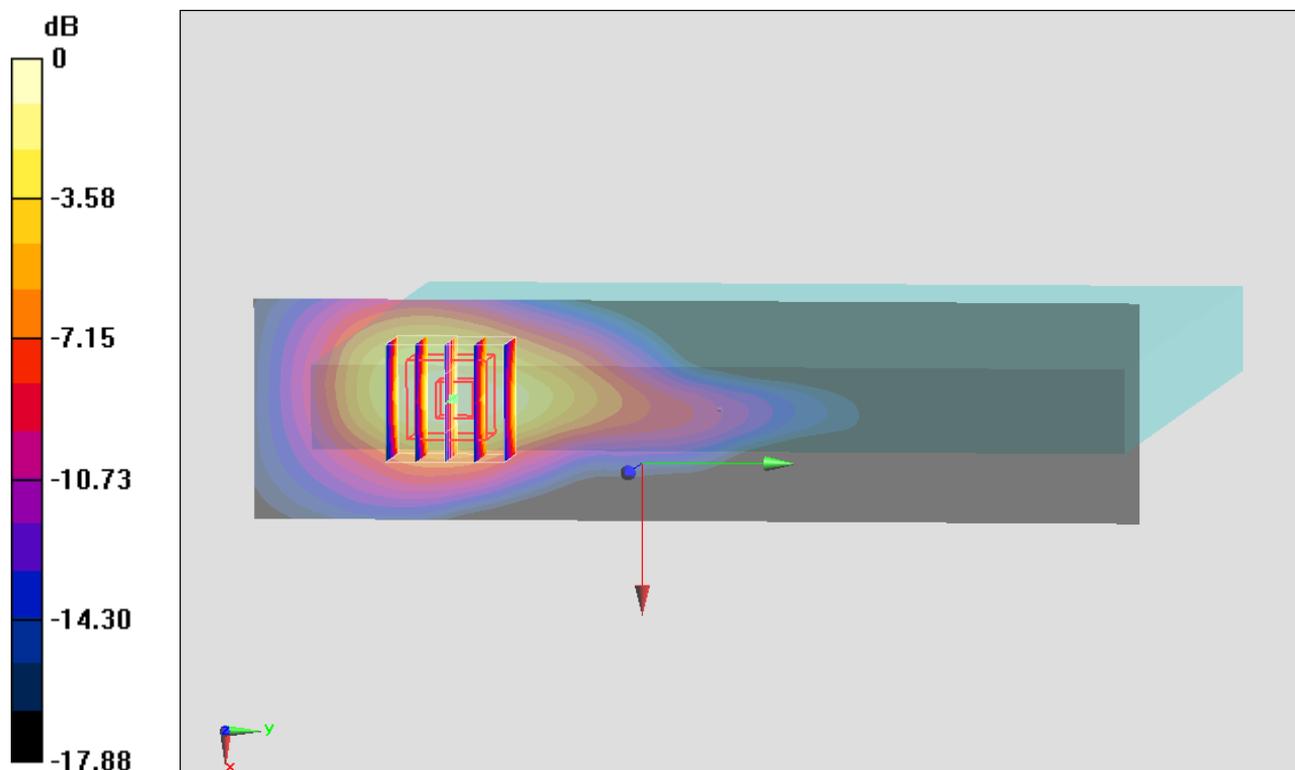
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.959 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.815 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.682 mW/g**

Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41 mW/g = 2.98 dB mW/g

## #111\_WCDMA IV\_RMC12.2K\_Edge 4\_0cm\_Ch1513

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 51.509$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1513/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.38 mW/g

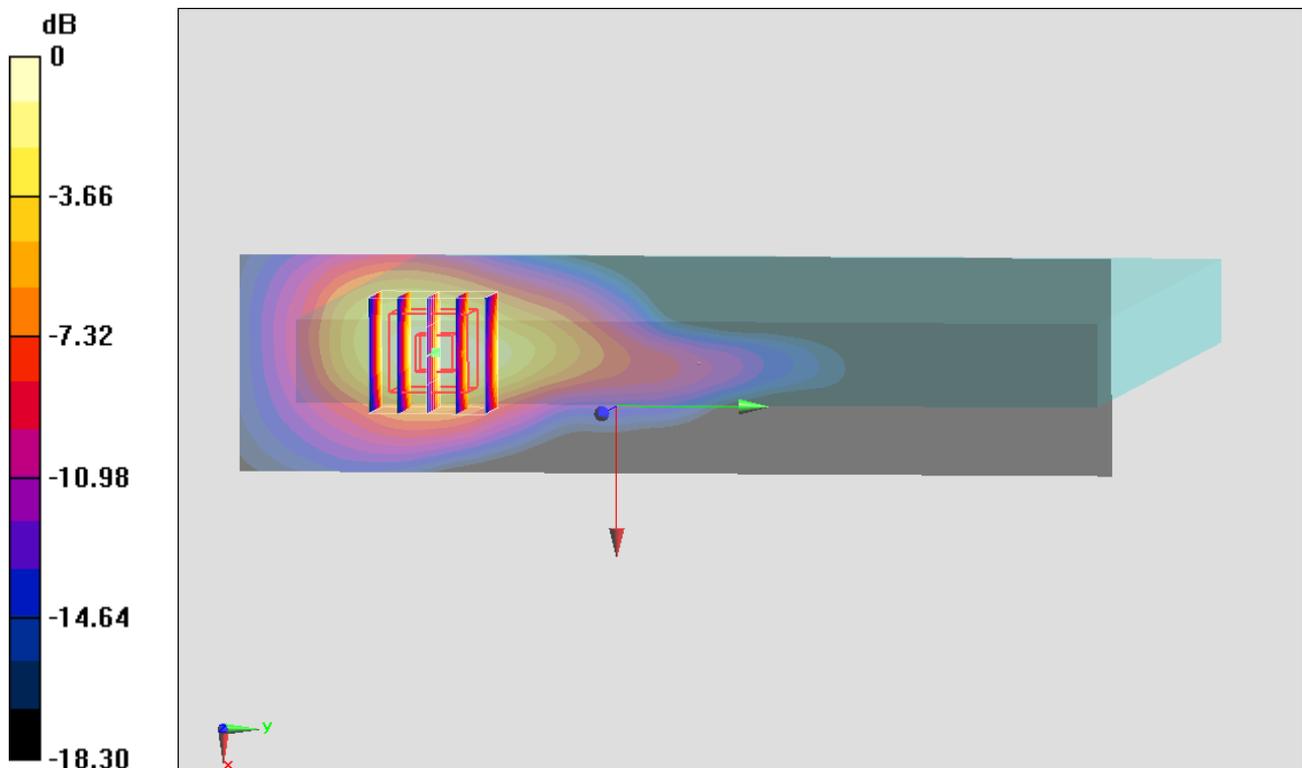
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.956 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.778 mW/g

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.651 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36 mW/g = 2.67 dB mW/g

### #112\_WCDMA IV\_HSDPA\_Edge 4\_0cm\_Ch1413

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.32 mW/g

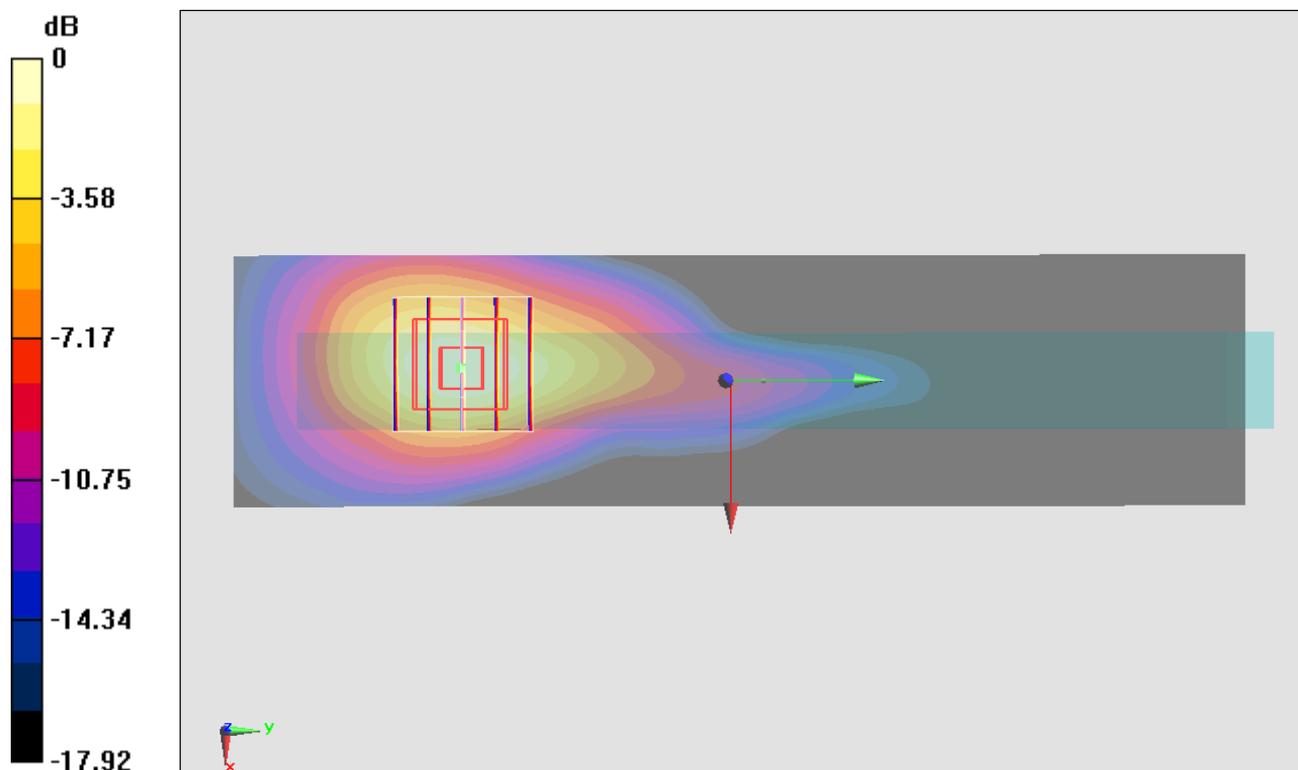
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.273 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.674 mW/g

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.623 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g



0 dB = 1.29 mW/g = 2.21 dB mW/g

### #113\_WCDMA IV\_HSDPA\_Edge 4\_0cm\_Ch1312

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.28 mW/g

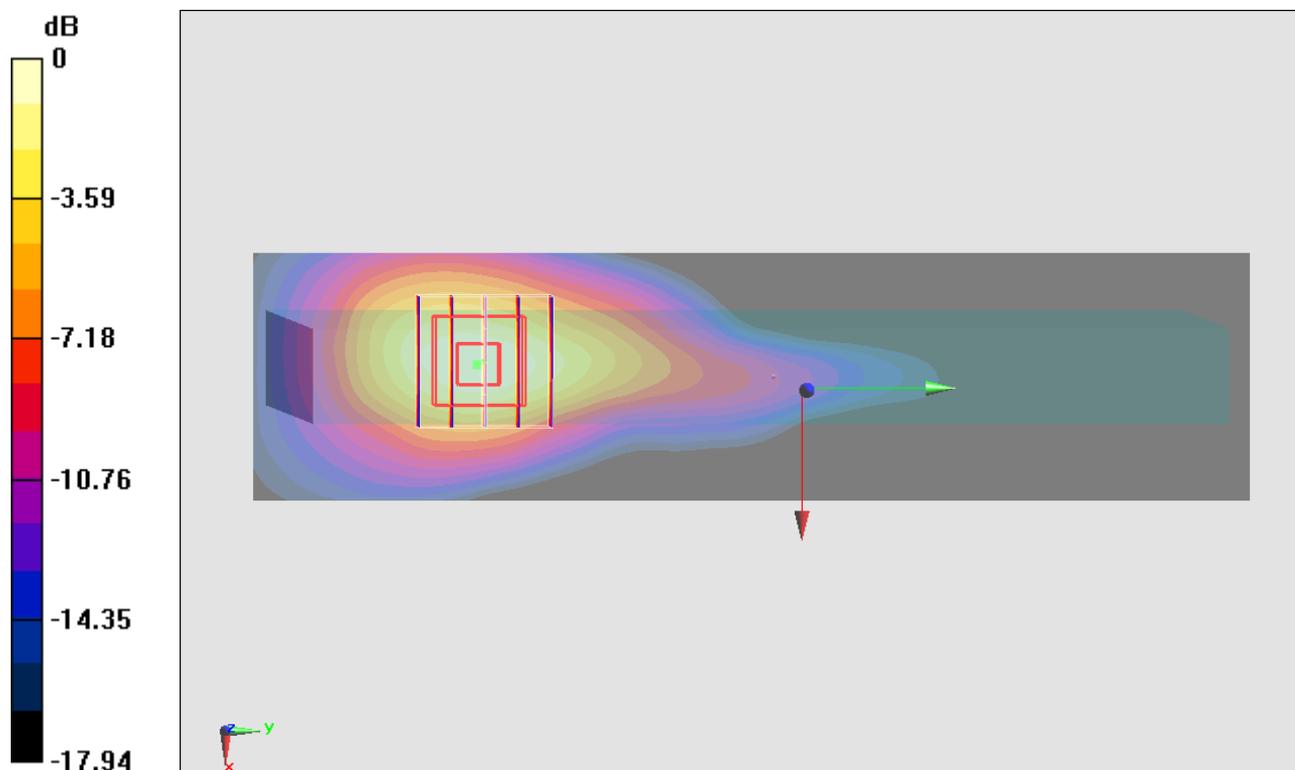
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.130 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.633 mW/g

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.611 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26 mW/g = 2.01 dB mW/g

### #114\_WCDMA IV\_HSDPA\_Edge 4\_0cm\_Ch1513

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 51.509$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1513/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.24 mW/g

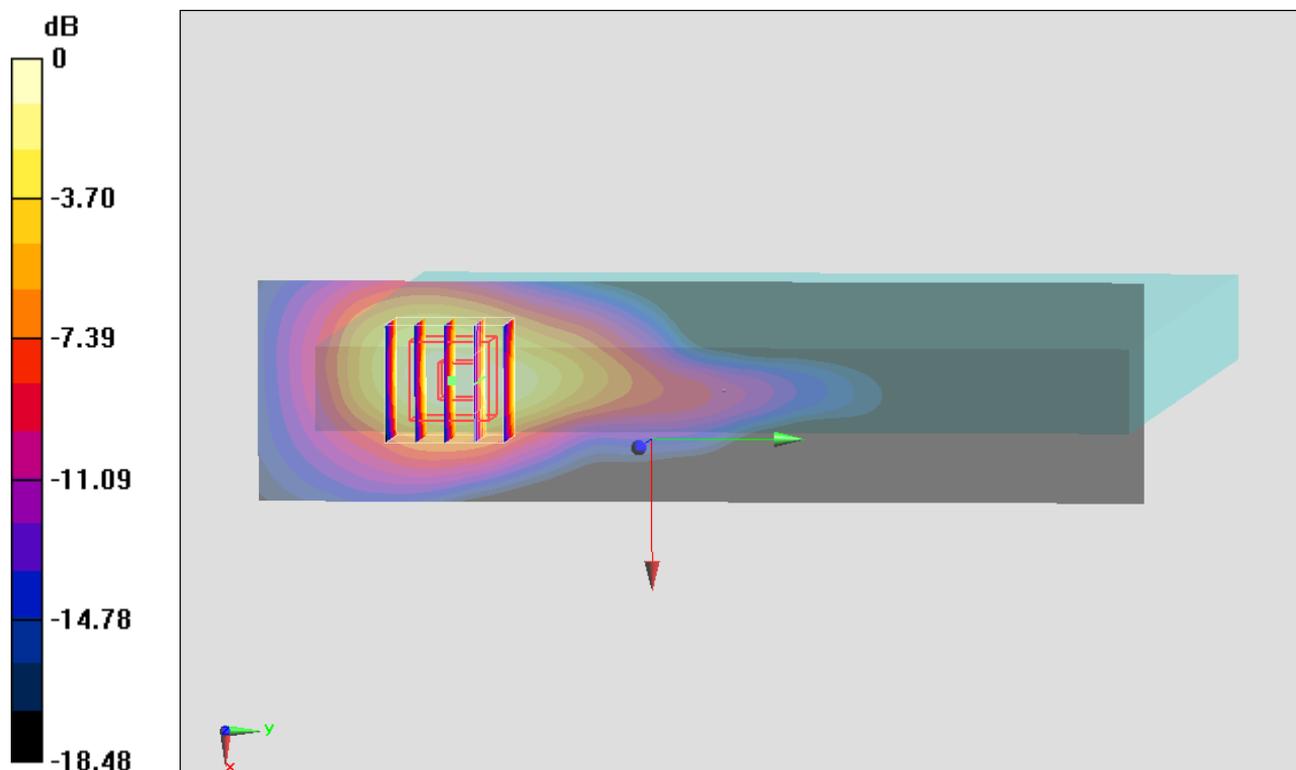
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.907 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.573 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.583 mW/g**

Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18 mW/g = 1.44 dB mW/g

### #115\_WCDMA IV\_HSUPA\_Edge 4\_0cm\_Ch1413

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.17 mW/g

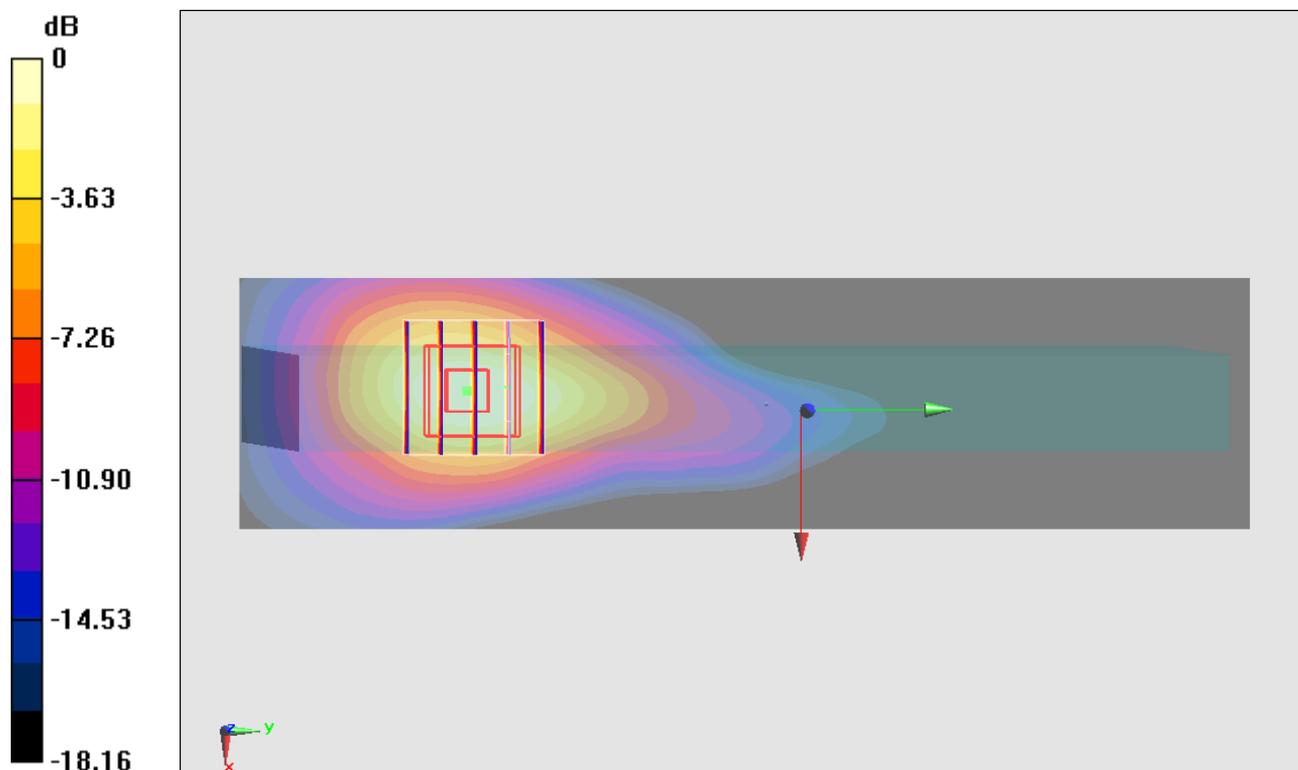
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.488 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.372 mW/g

**SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08 mW/g = 0.67 dB mW/g

## #116\_WCDMA IV\_HSUPA\_Edge 4\_0cm\_Ch1312

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.29 mW/g

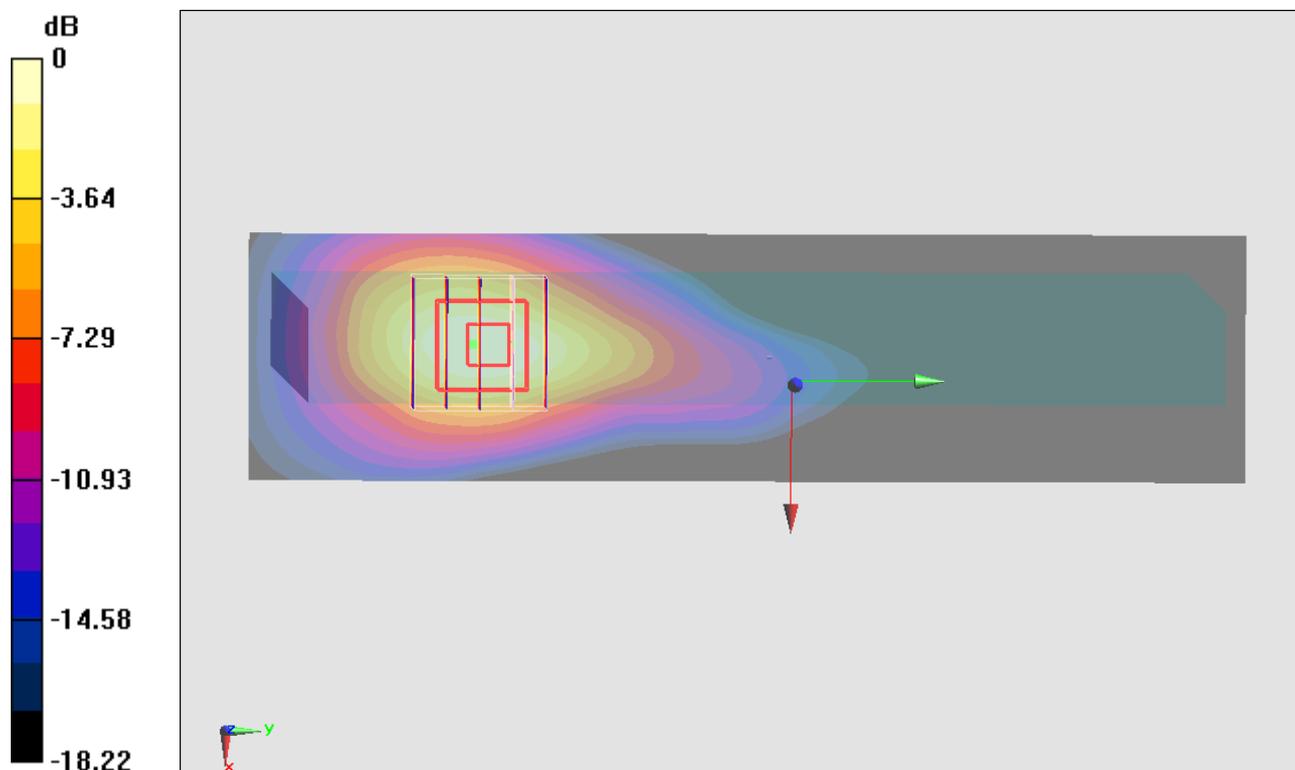
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.290 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.605 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.587 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22 mW/g = 1.73 dB mW/g

### #117\_WCDMA IV\_HSUPA\_Edge 4\_0cm\_Ch1513

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 51.509$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1513/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.31 mW/g

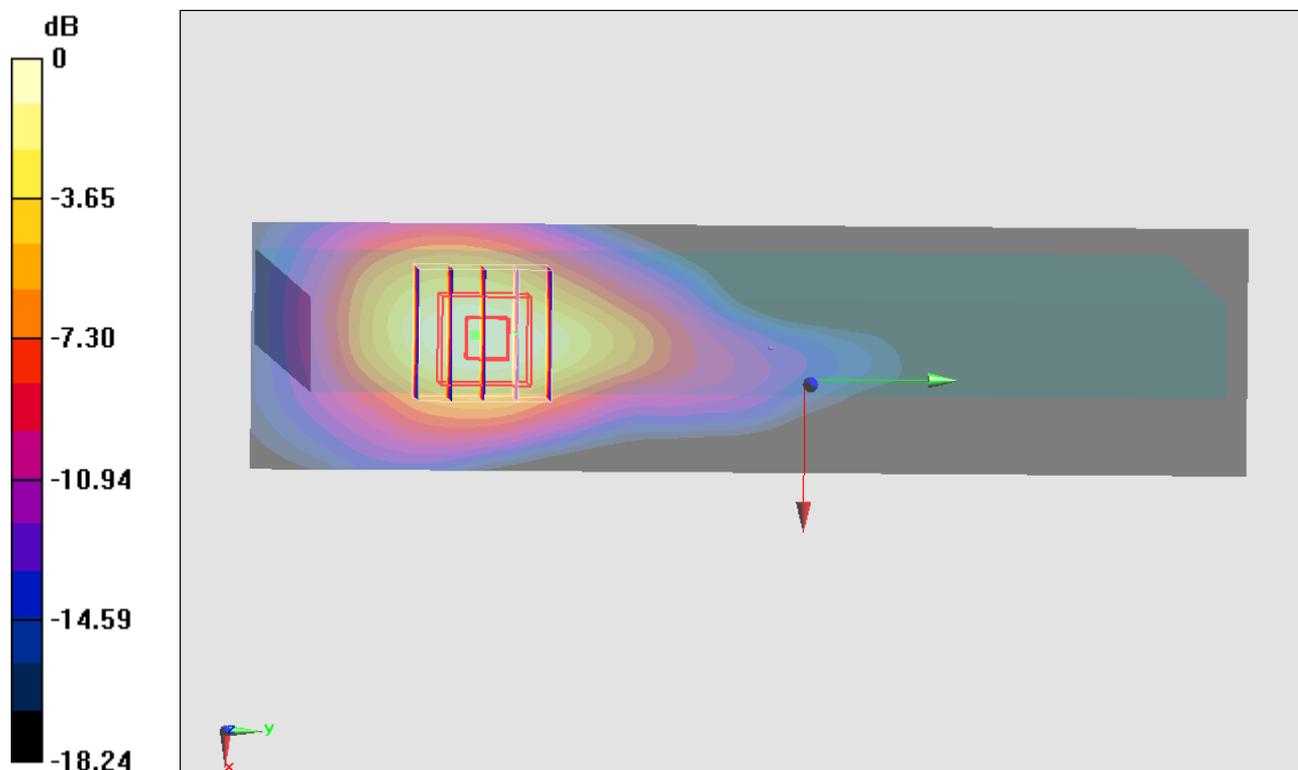
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.812 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.588 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.582 mW/g**

Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18 mW/g = 1.44 dB mW/g

### #118\_WCDMA IV\_RMC12.2K\_Bottom\_0cm\_Ch1413

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r = 51.559$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1413/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.05 mW/g

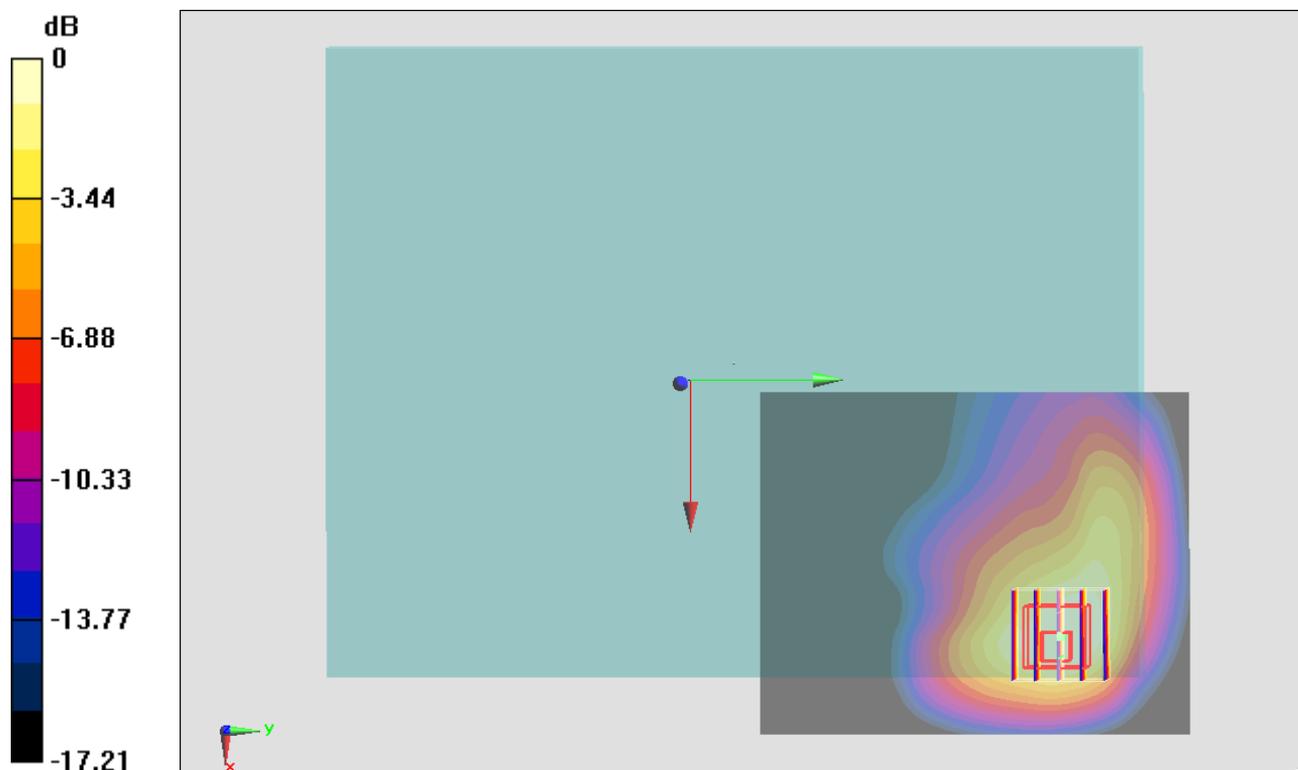
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.318 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.430 mW/g

**SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.480 mW/g**

Maximum value of SAR (measured) = 0.910 mW/g



0 dB = 0.910 mW/g = -0.82 dB mW/g

## #121\_WCDMA IV\_RMC12.2K\_Bottom\_0cm\_Ch1312

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 51.622$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1312/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.988 mW/g

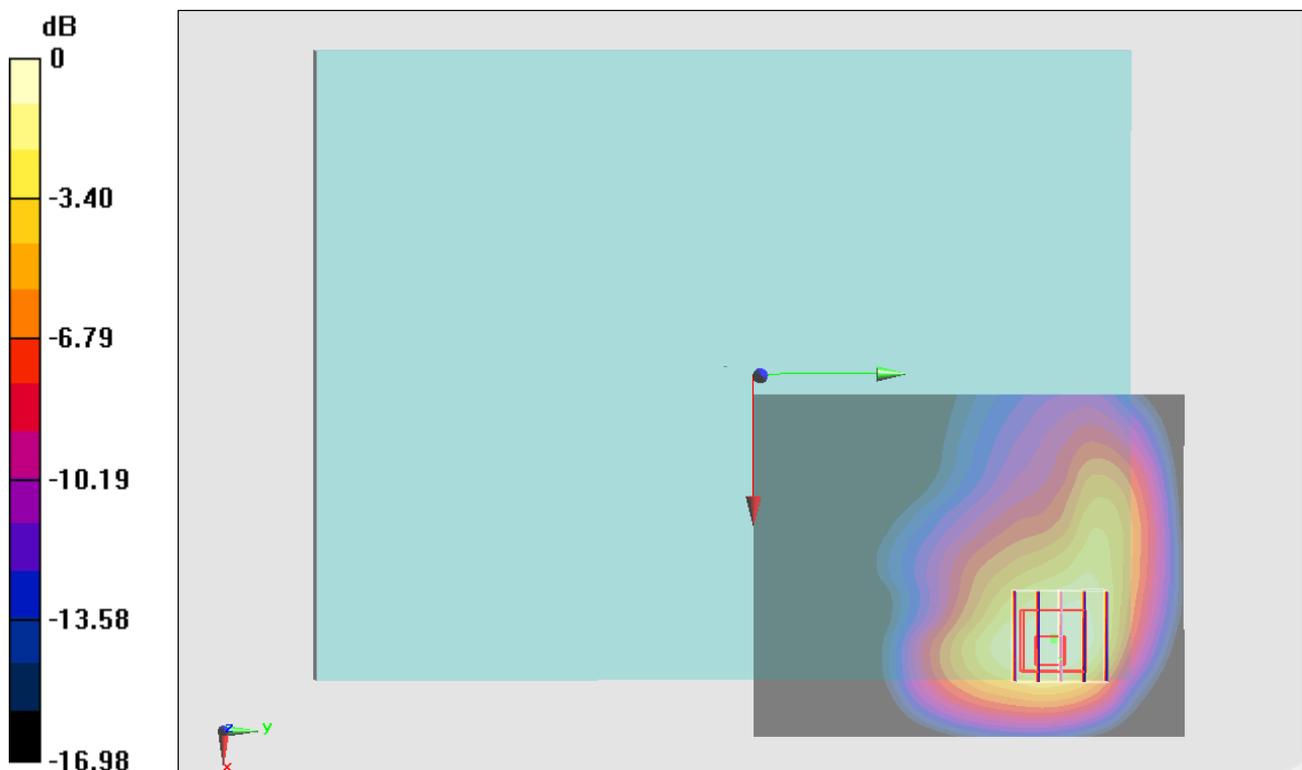
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.752 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.356 mW/g

**SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.460 mW/g**

Maximum value of SAR (measured) = 0.884 mW/g



0 dB = 0.884 mW/g = -1.07 dB mW/g

## #122\_WCDMA IV\_RMC12.2K\_Bottom\_0cm\_Ch1513

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_121219 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 51.509$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1513/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.890 mW/g

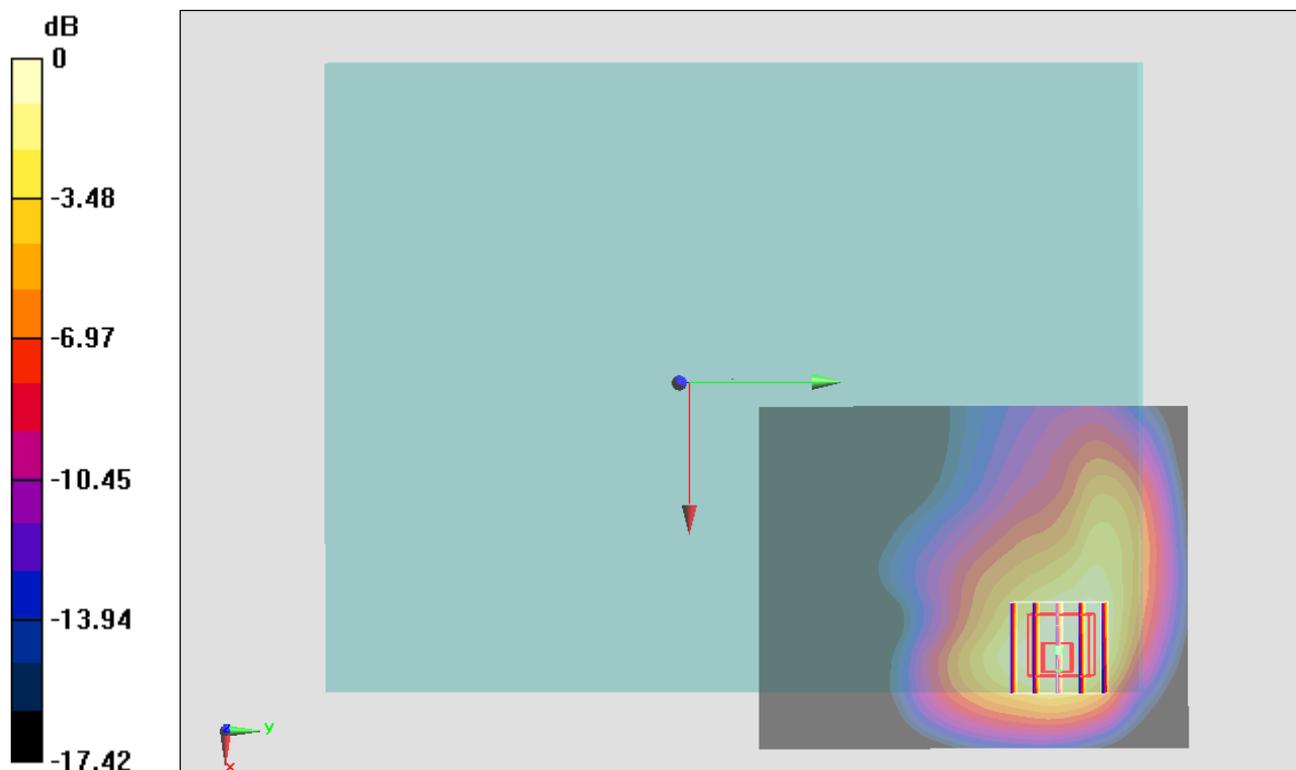
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.189 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.217 mW/g

**SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.410 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g



0 dB = 0.760 mW/g = -2.38 dB mW/g

### #104\_WCDMA II\_RMC12.2K\_Bottom Face\_1cm\_Ch9400

**DUT: 2N2103-01**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.6 °C; Liquid Temperature : 21.6 °C

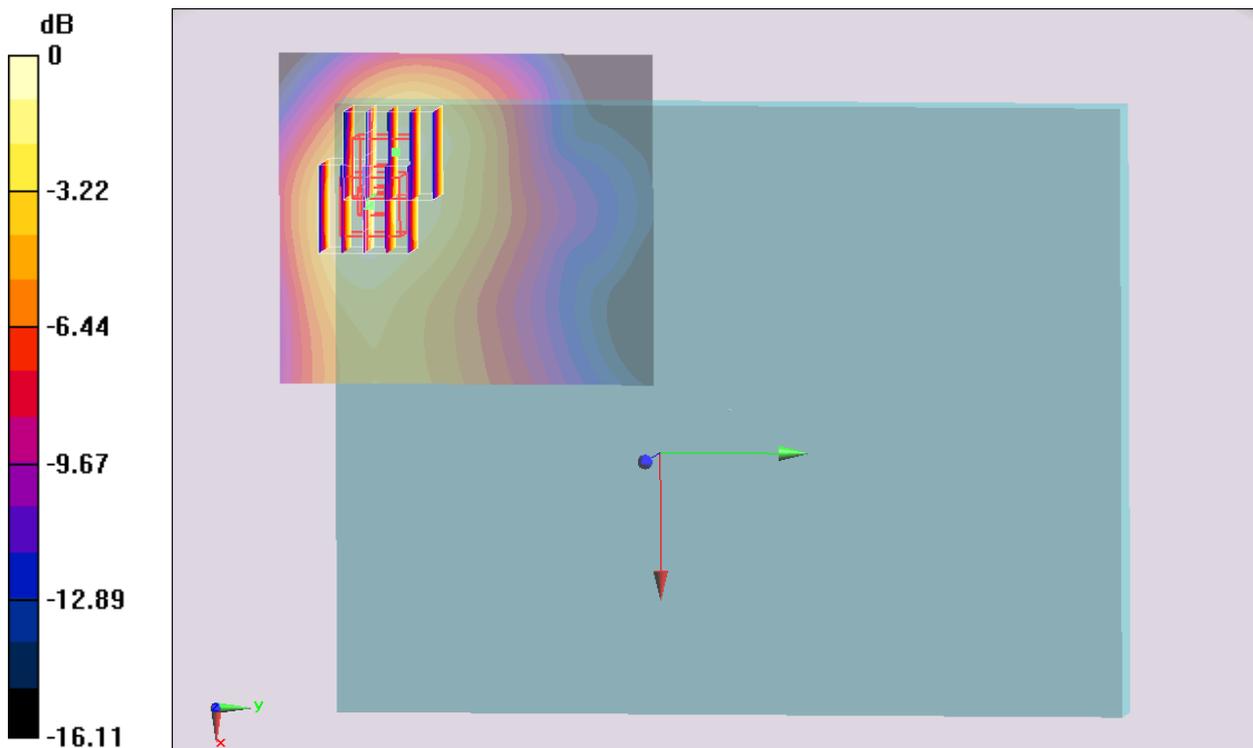
DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.582 mW/g

**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.266 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.756 mW/g  
**SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.350 mW/g**  
Maximum value of SAR (measured) = 0.587 mW/g

**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 21.266 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.764 mW/g  
**SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.311 mW/g**  
Maximum value of SAR (measured) = 0.585 mW/g



0 dB = 0.585 mW/g = -4.66 dB mW/g

## #85\_WCDMA II\_RMC12.2K\_Bottom Face\_0cm\_Ch9400

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.785 mW/g

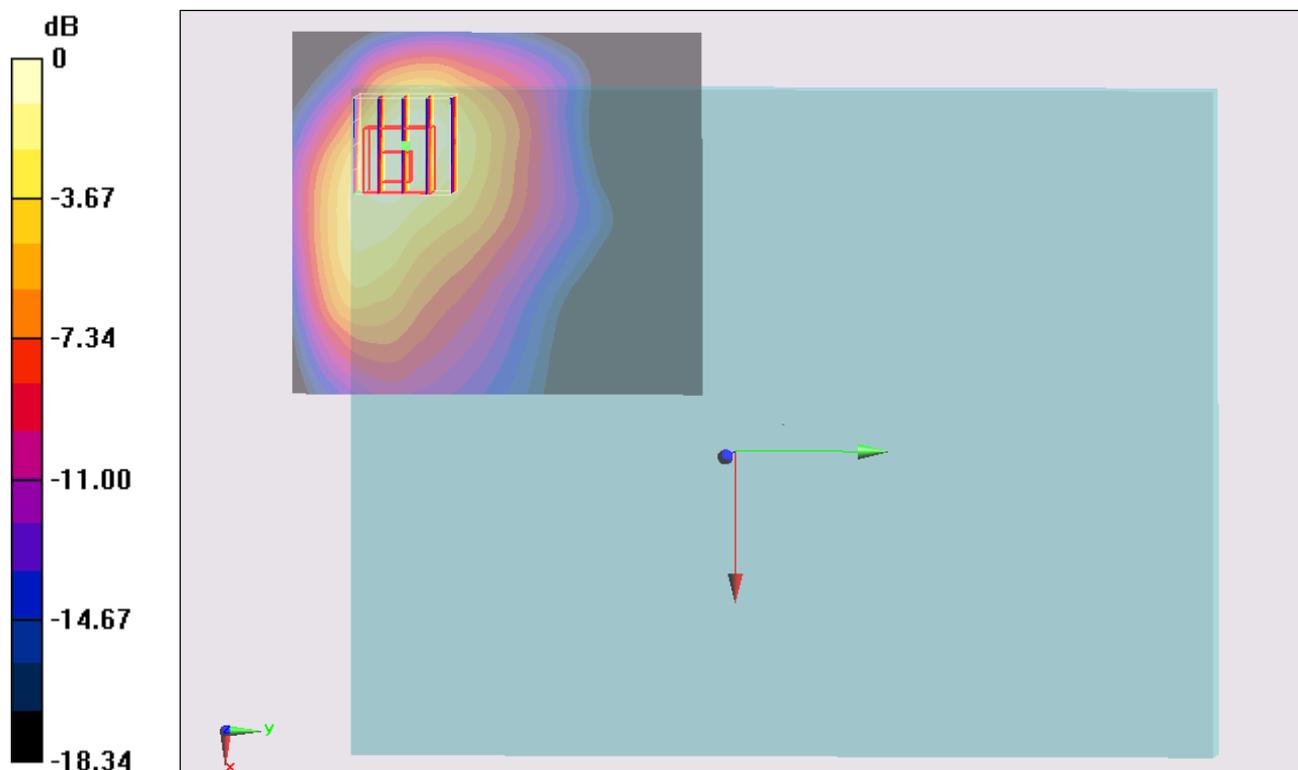
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.564 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.077 mW/g

**SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.394 mW/g**

Maximum value of SAR (measured) = 0.733 mW/g



0 dB = 0.733 mW/g = -2.70 dB mW/g

### #88\_WCDMA II\_RMC12.2K\_Edge 3\_0cm\_Ch9400

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x131x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.05 mW/g

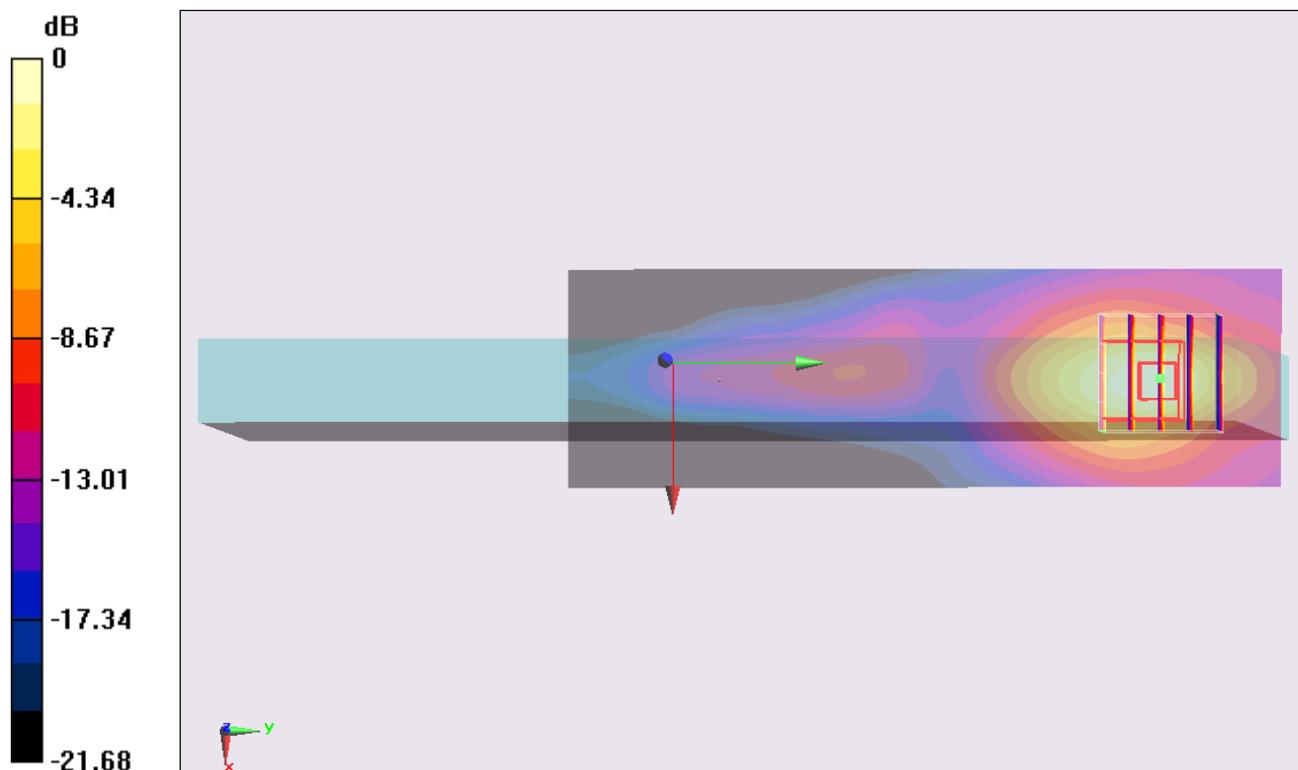
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.212 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.693 mW/g

**SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.360 mW/g**

Maximum value of SAR (measured) = 0.972 mW/g



0 dB = 0.972 mW/g = -0.25 dB mW/g

### #89\_WCDMA II\_RMC12.2K\_Edge 3\_0cm\_Ch9262

#### DUT: 2N2103-01

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

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.483$  mho/m;  $\epsilon_r = 53.431$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x131x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.919 mW/g

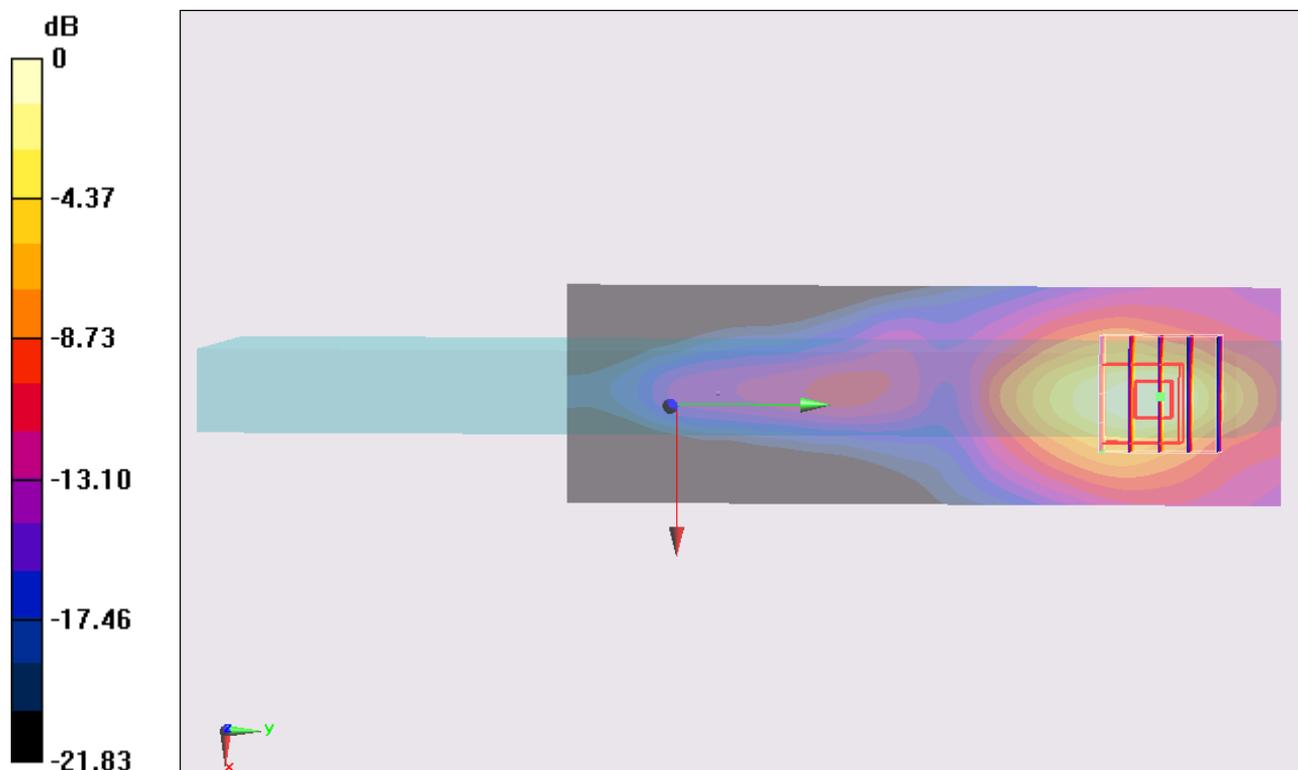
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.393 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.394 mW/g

**SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.316 mW/g**

Maximum value of SAR (measured) = 0.837 mW/g



### #90\_WCDMA II\_RMC12.2K\_Edge 3\_0cm\_Ch9538

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x131x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.02 mW/g

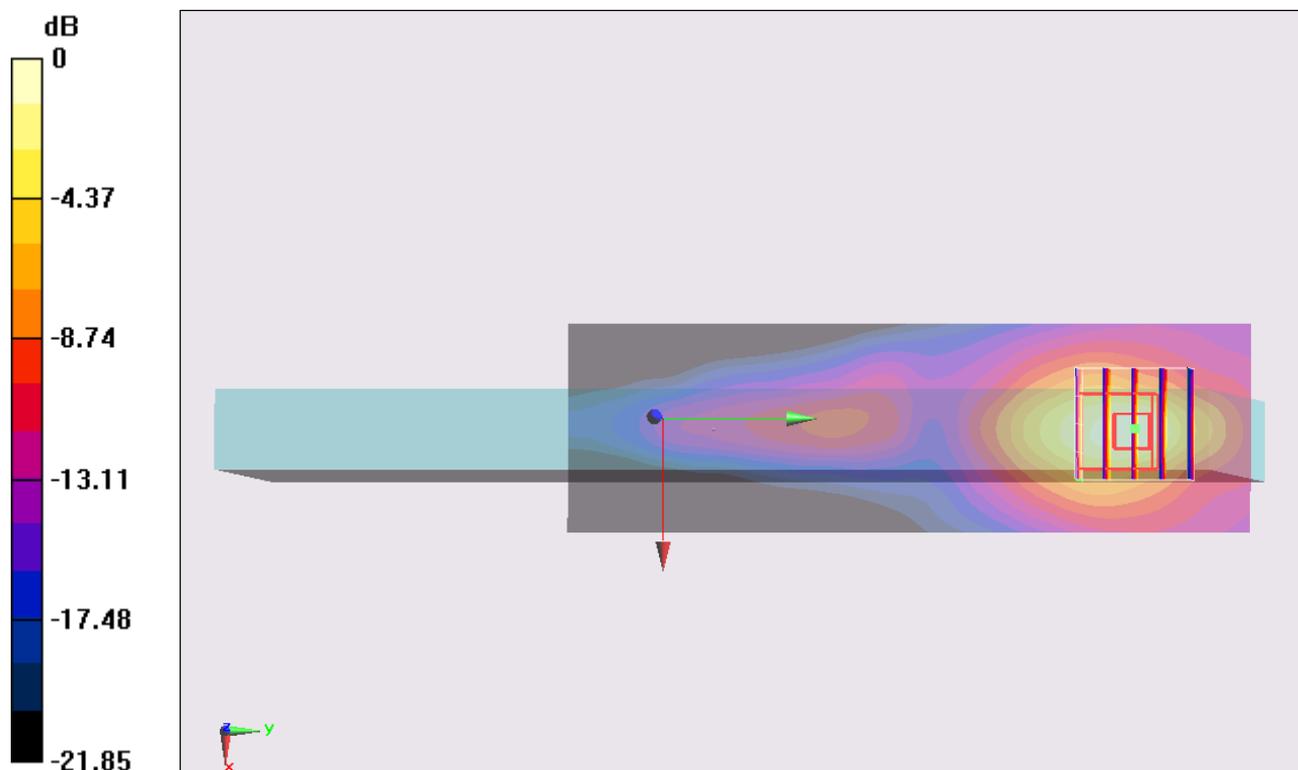
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.394 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.644 mW/g

**SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.343 mW/g**

Maximum value of SAR (measured) = 0.938 mW/g



0 dB = 0.938 mW/g = -0.56 dB mW/g

### #91\_WCDMA II\_RMC12.2K\_Edge 4\_0cm\_Ch9400

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.38 mW/g

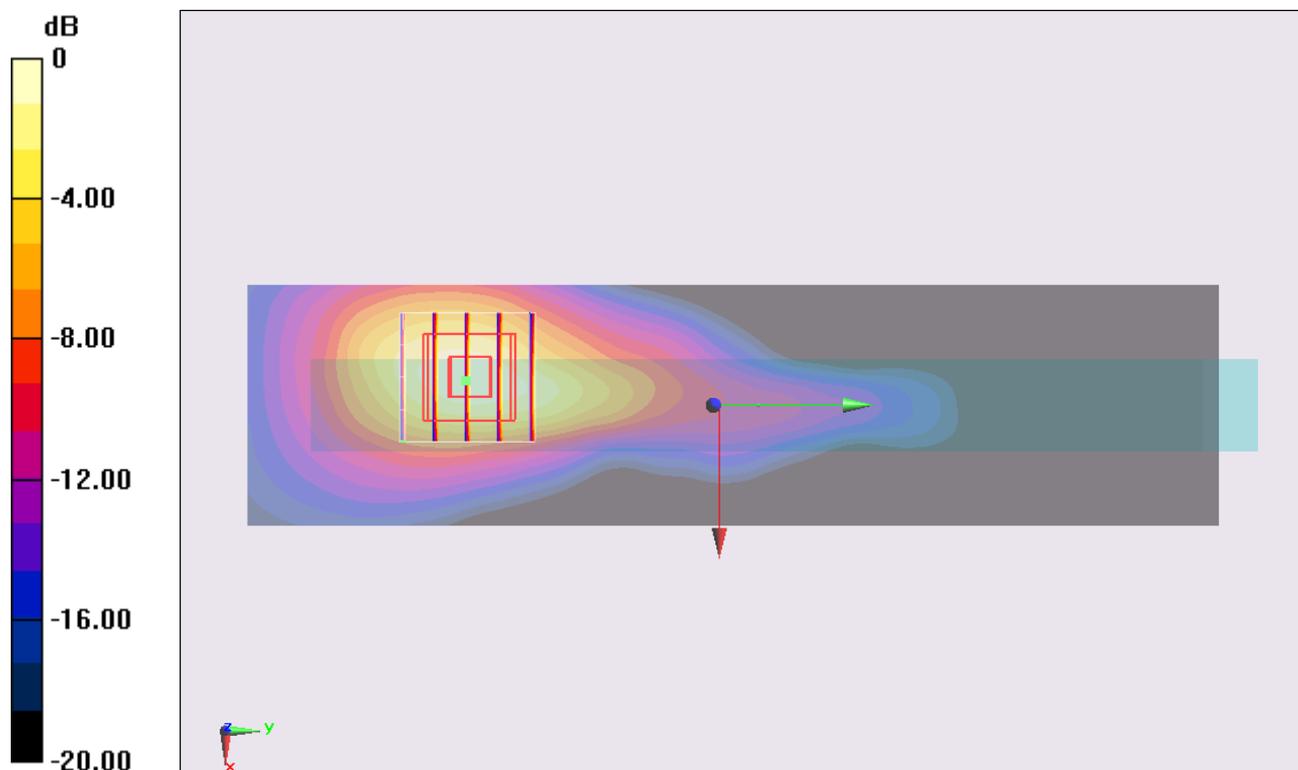
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.753 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.897 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.654 mW/g**

Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40 mW/g = 2.92 dB mW/g

## #92\_WCDMA II\_RMC12.2K\_Edge 4\_0cm\_Ch9262

### DUT: 2N2103-01

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

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.483$  mho/m;  $\epsilon_r = 53.431$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.21 mW/g

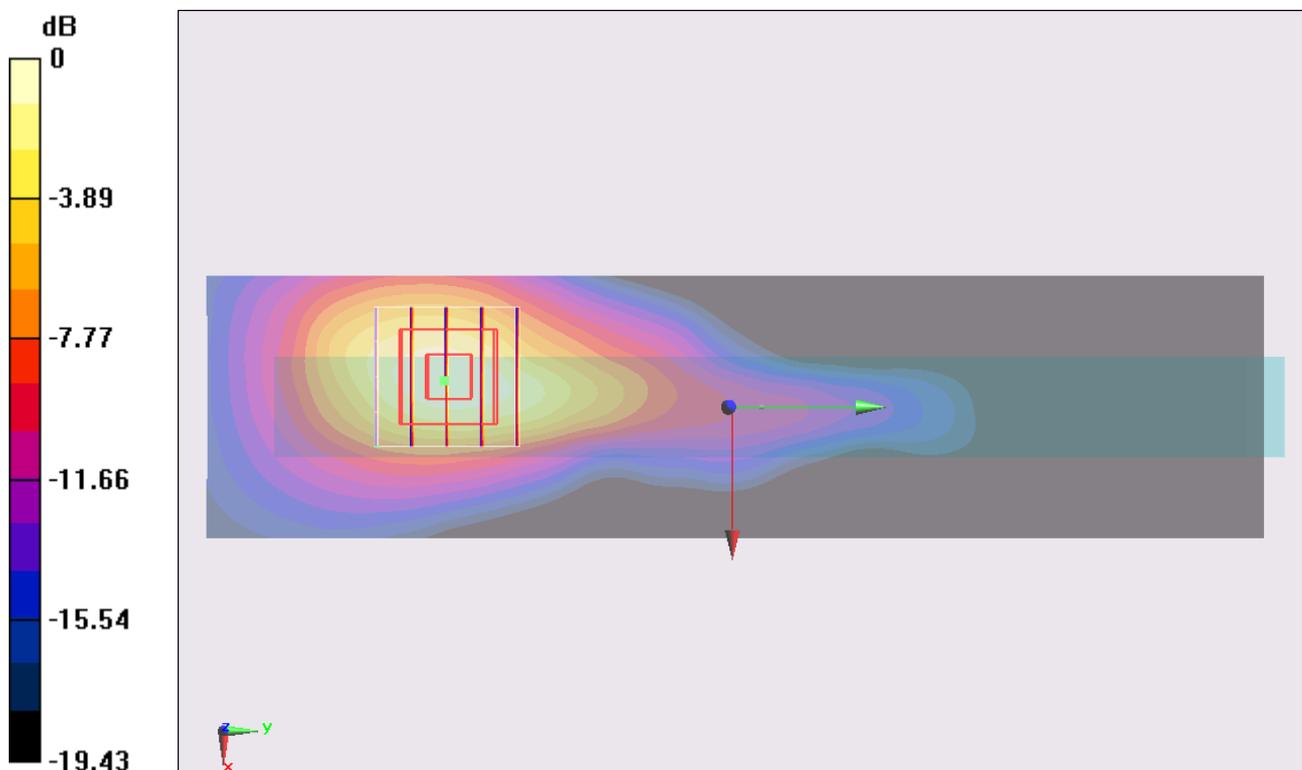
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.724 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.600 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.569 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20 mW/g = 1.58 dB mW/g

### #93\_WCDMA II\_RMC12.2K\_Edge 4\_0cm\_Ch9538

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.37 mW/g

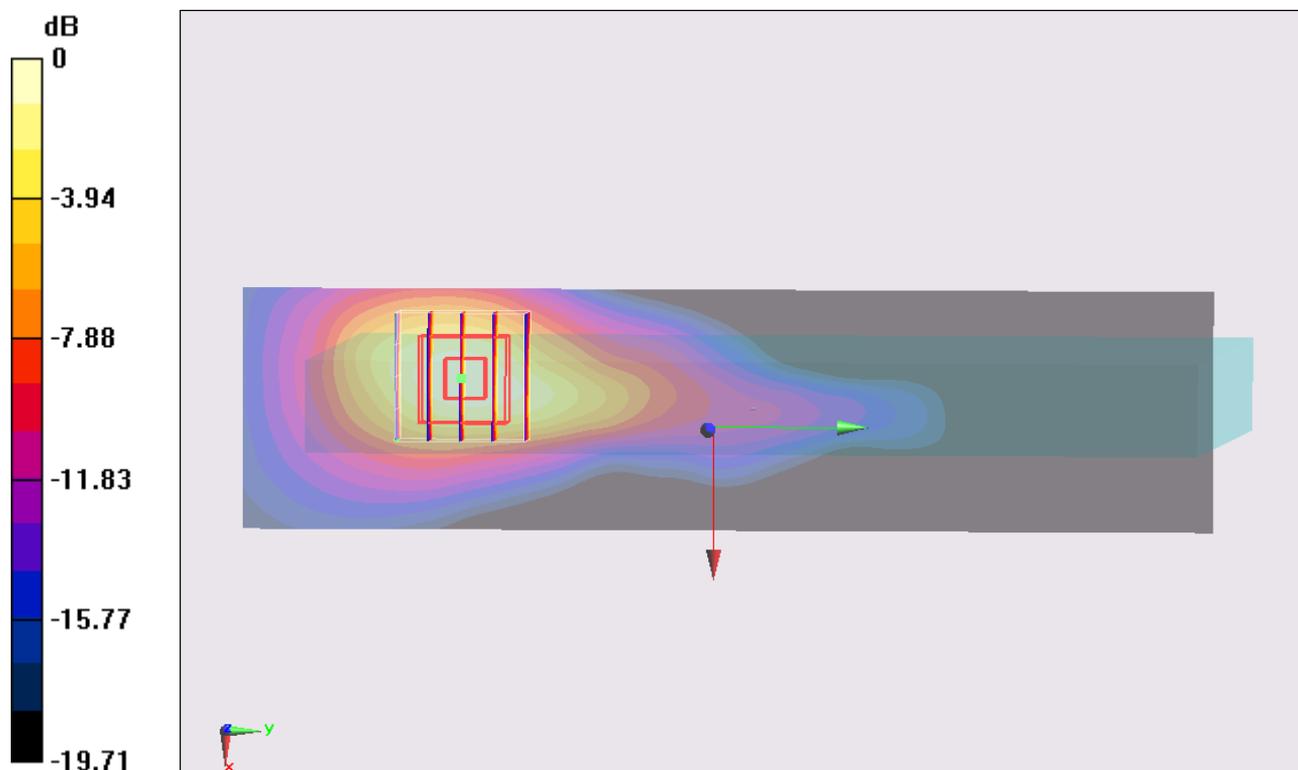
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.377 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.865 mW/g

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.633 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36 mW/g = 2.67 dB mW/g

### #94\_WCDMA II\_HSDPA\_Edge 4\_0cm\_Ch9400

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.36 mW/g

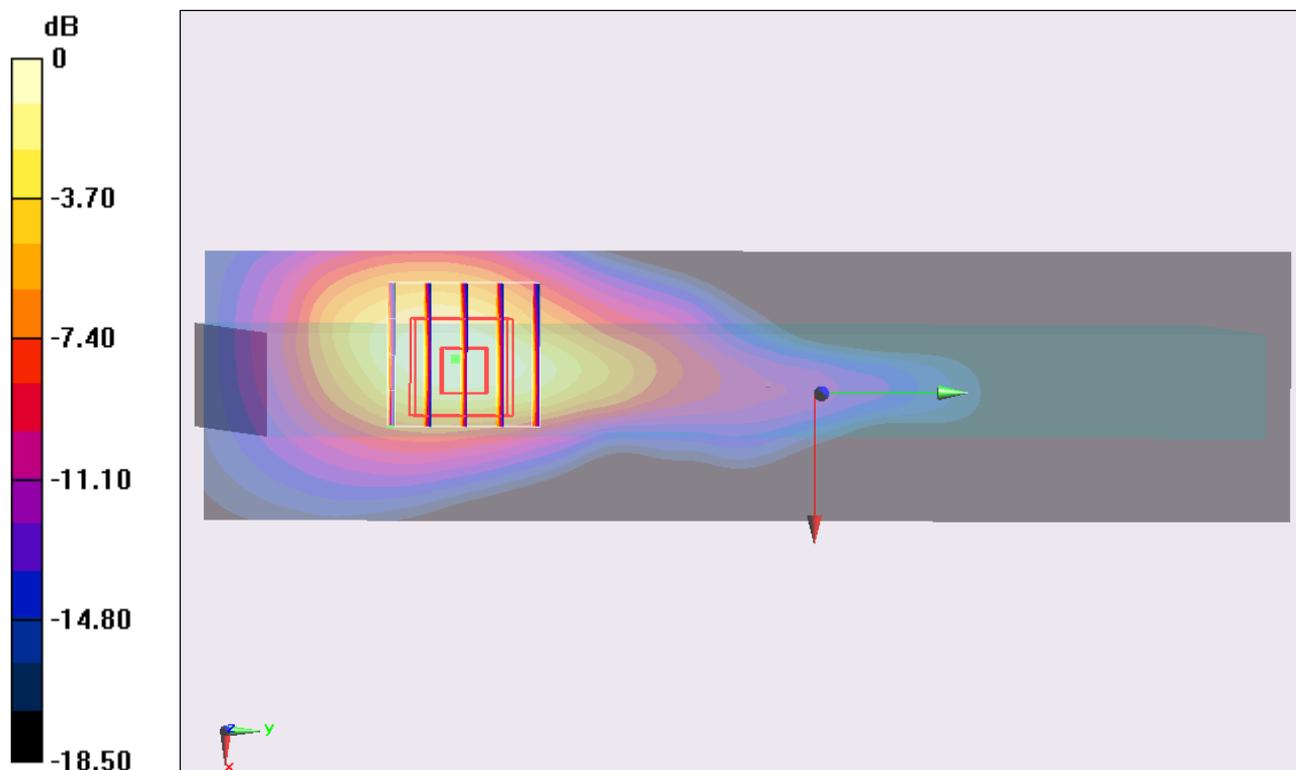
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.148 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.821 mW/g

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.650 mW/g**

Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28 mW/g = 2.14 dB mW/g

### #95\_WCDMA II\_HSDPA\_Edge 4\_0cm\_Ch9262

#### DUT: 2N2103-01

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

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.483$  mho/m;  $\epsilon_r = 53.431$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.30 mW/g

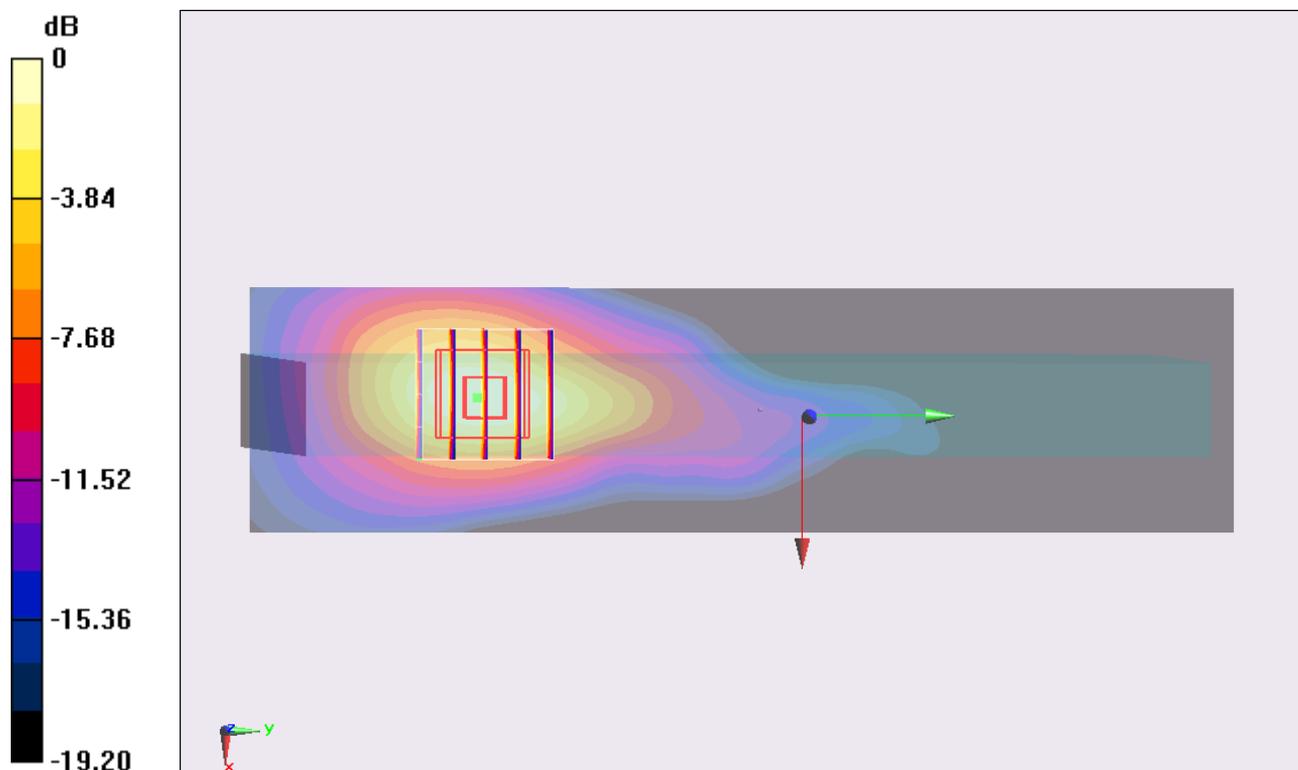
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.980 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.619 mW/g

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.565 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.23 mW/g = 1.80 dB mW/g

## #96\_WCDMA II\_HSDPA\_Edge 4\_0cm\_Ch9538

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.49 mW/g

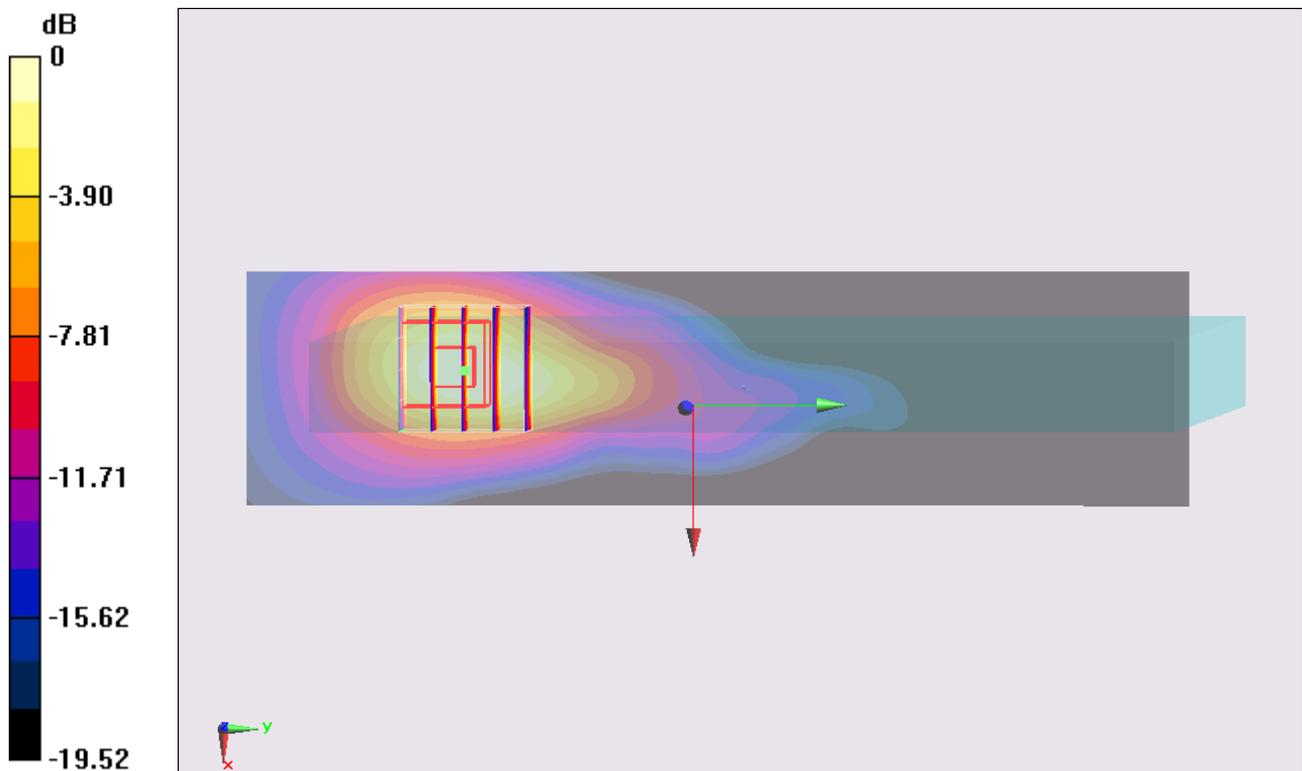
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.257 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.883 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.635 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43 mW/g = 3.11 dB mW/g

### #96\_WCDMA II\_HSDPA\_Edge 4\_0cm\_Ch9538\_2D

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.49 mW/g

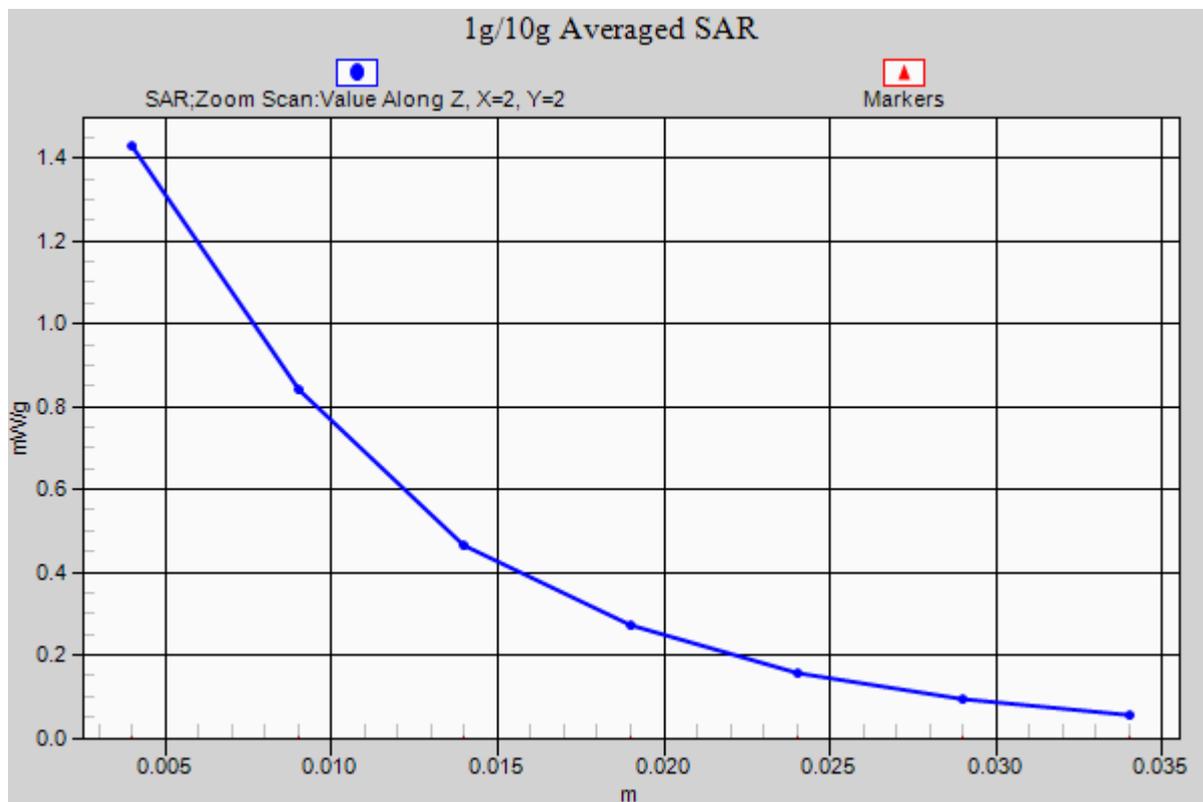
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.257 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.883 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.635 mW/g**

Maximum value of SAR (measured) = 1.43 mW/g



### #100\_WCDMA II\_HSDPA\_Edge 4\_0cm\_Ch9538\_Repeat

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.46 mW/g

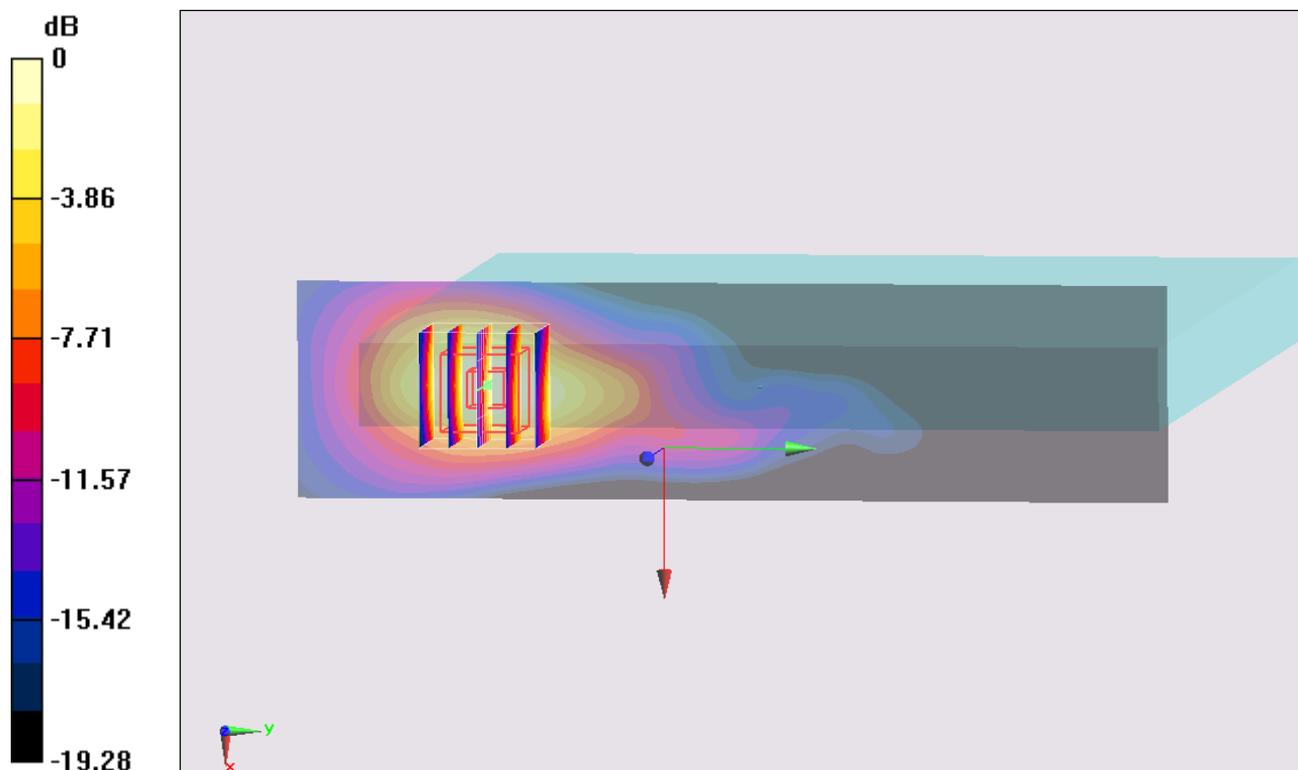
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.419 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.818 mW/g

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.622 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32 mW/g = 2.41 dB mW/g

## #97\_WCDMA II\_HSUPA\_Edge 4\_0cm\_Ch9400

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.43 mW/g

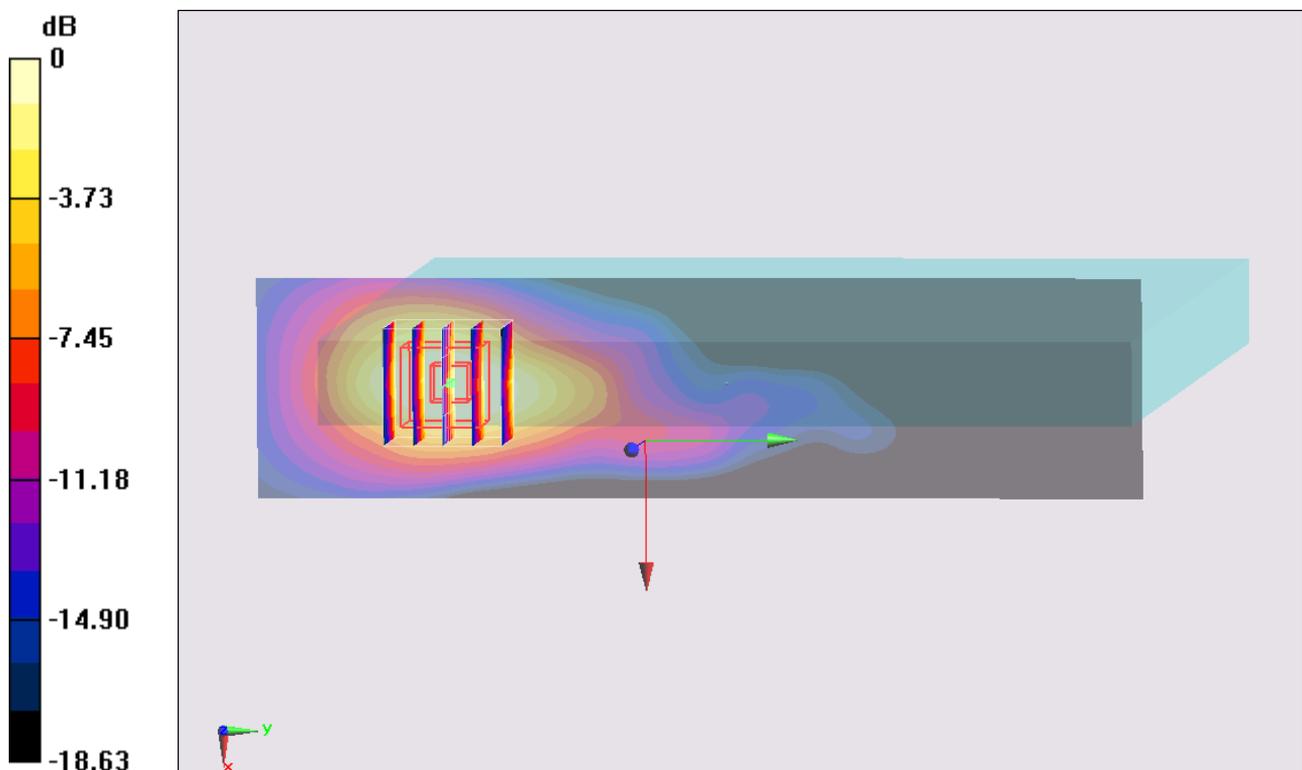
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.690 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.553 mW/g

**SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.473 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g

## #98\_WCDMA II\_HSUPA\_Edge 4\_0cm\_Ch9262

### DUT: 2N2103-01

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

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.483$  mho/m;  $\epsilon_r = 53.431$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.05 mW/g

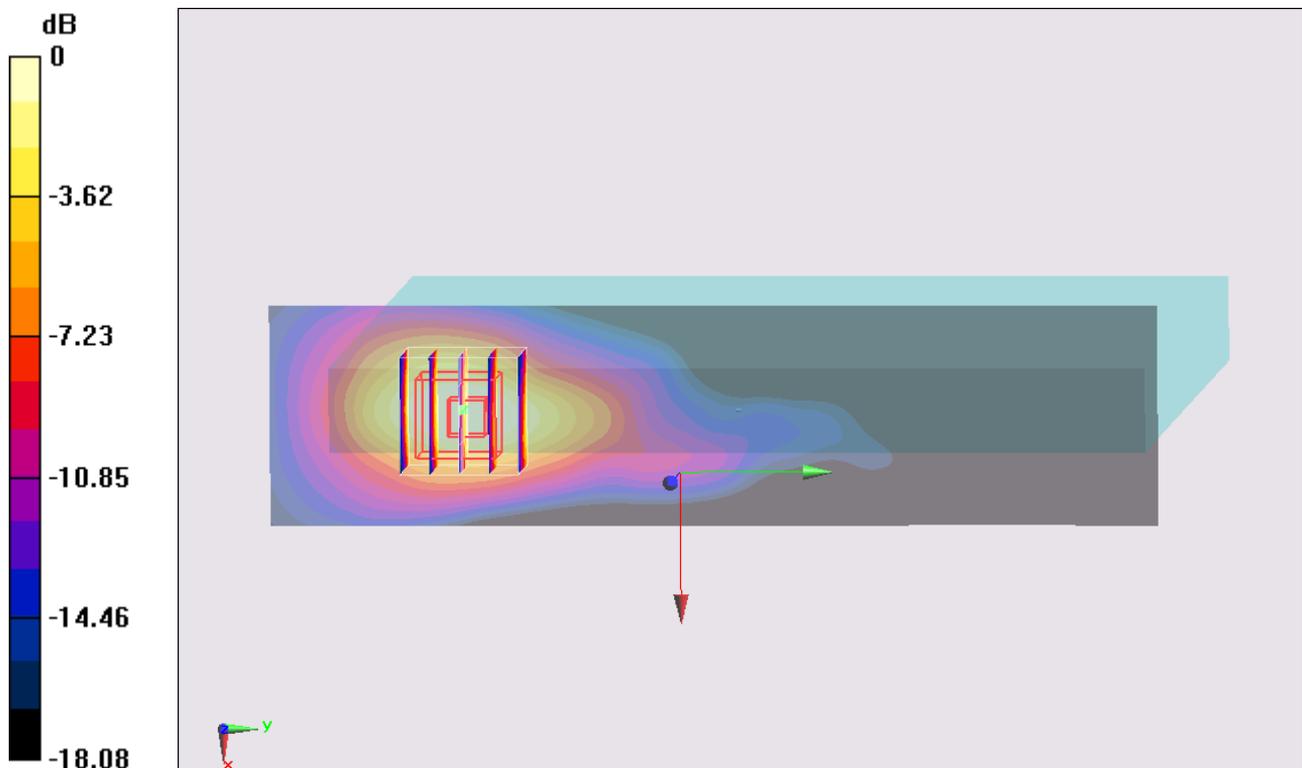
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.847 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.221 mW/g

**SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.471 mW/g**

Maximum value of SAR (measured) = 0.941 mW/g



0 dB = 0.941 mW/g = -0.53 dB mW/g

### #99\_WCDMA II\_HSUPA\_Edge 4\_0cm\_Ch9538

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x161x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.22 mW/g

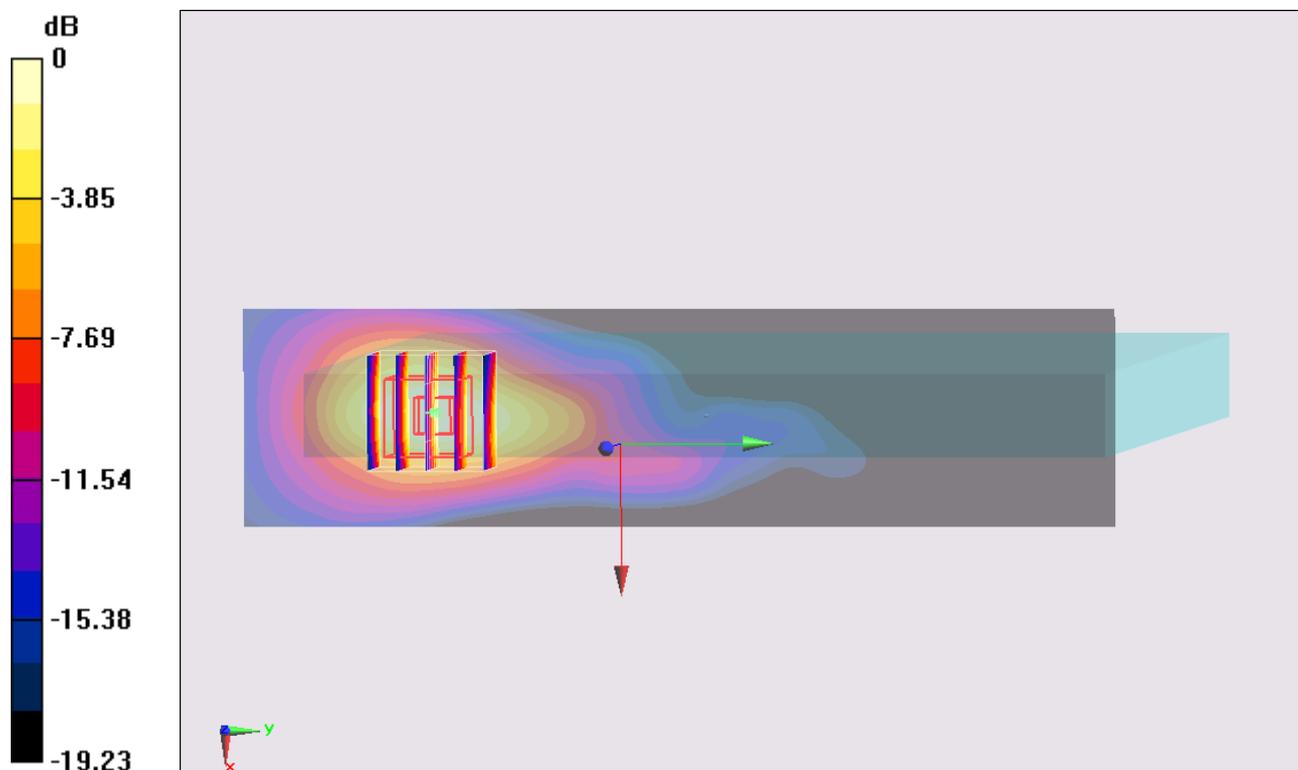
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.536 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.530 mW/g

**SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11 mW/g = 0.91 dB mW/g

## #101\_WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9400

### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.828 mW/g

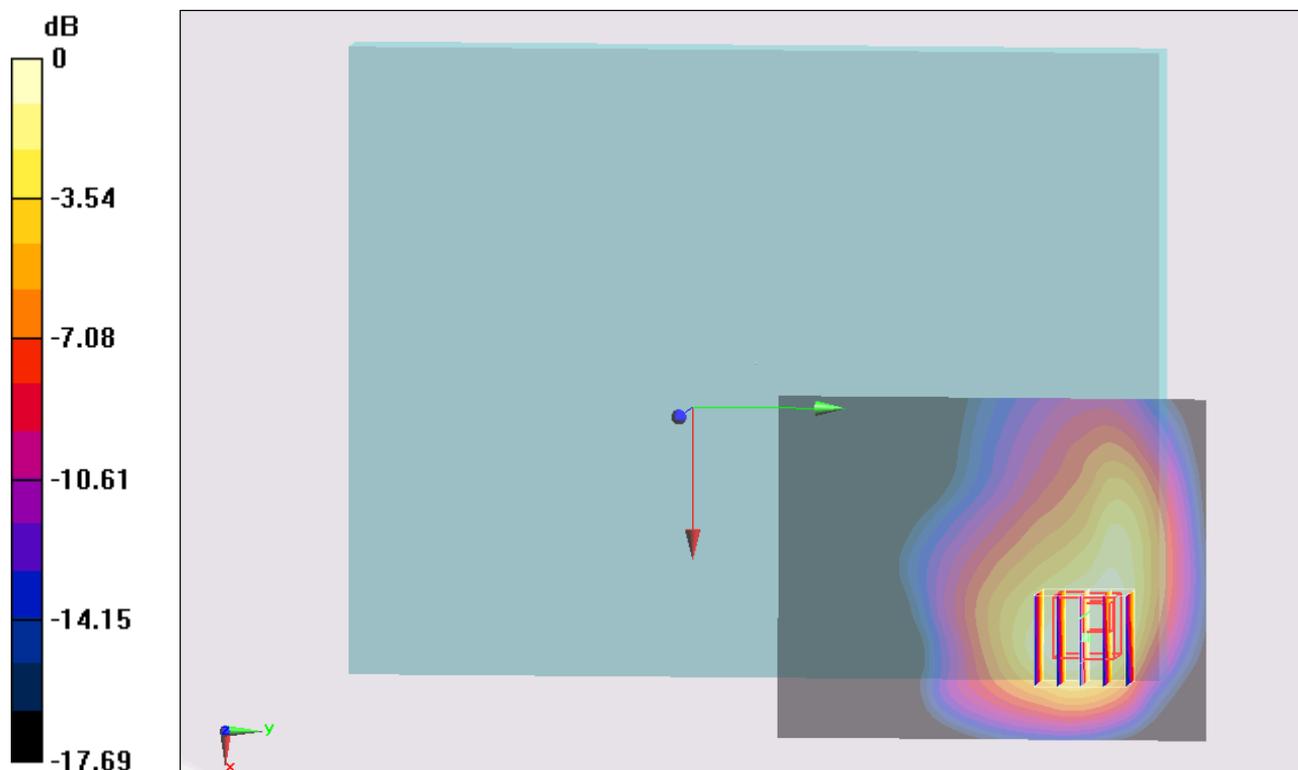
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.432 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.176 mW/g

**SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.732 mW/g



0 dB = 0.732 mW/g = -2.71 dB mW/g

## #102\_WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9262

### DUT: 2N2103-01

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

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.483$  mho/m;  $\epsilon_r = 53.431$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.713 mW/g

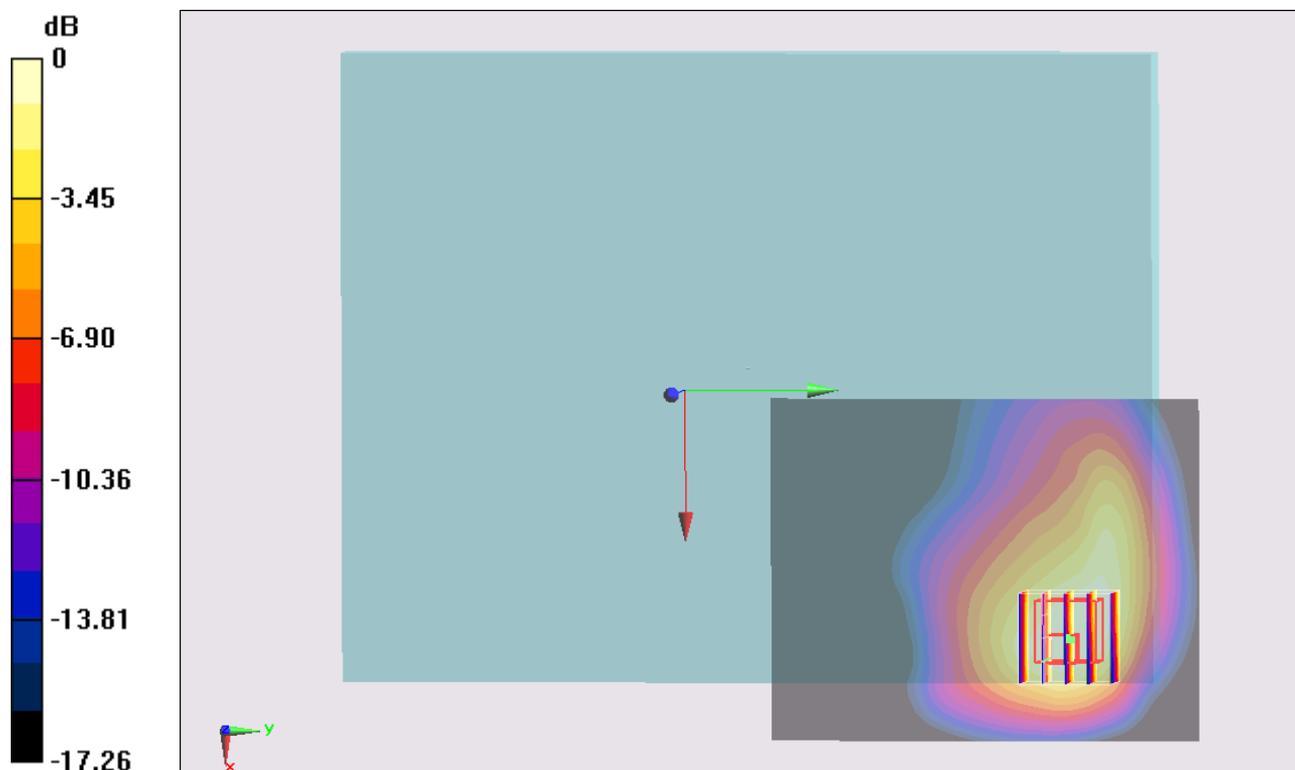
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.952 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.028 mW/g

**SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.356 mW/g**

Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.636 mW/g = -3.93 dB mW/g

### #103\_WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9538

#### DUT: 2N2103-01

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 53.178$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.889 mW/g

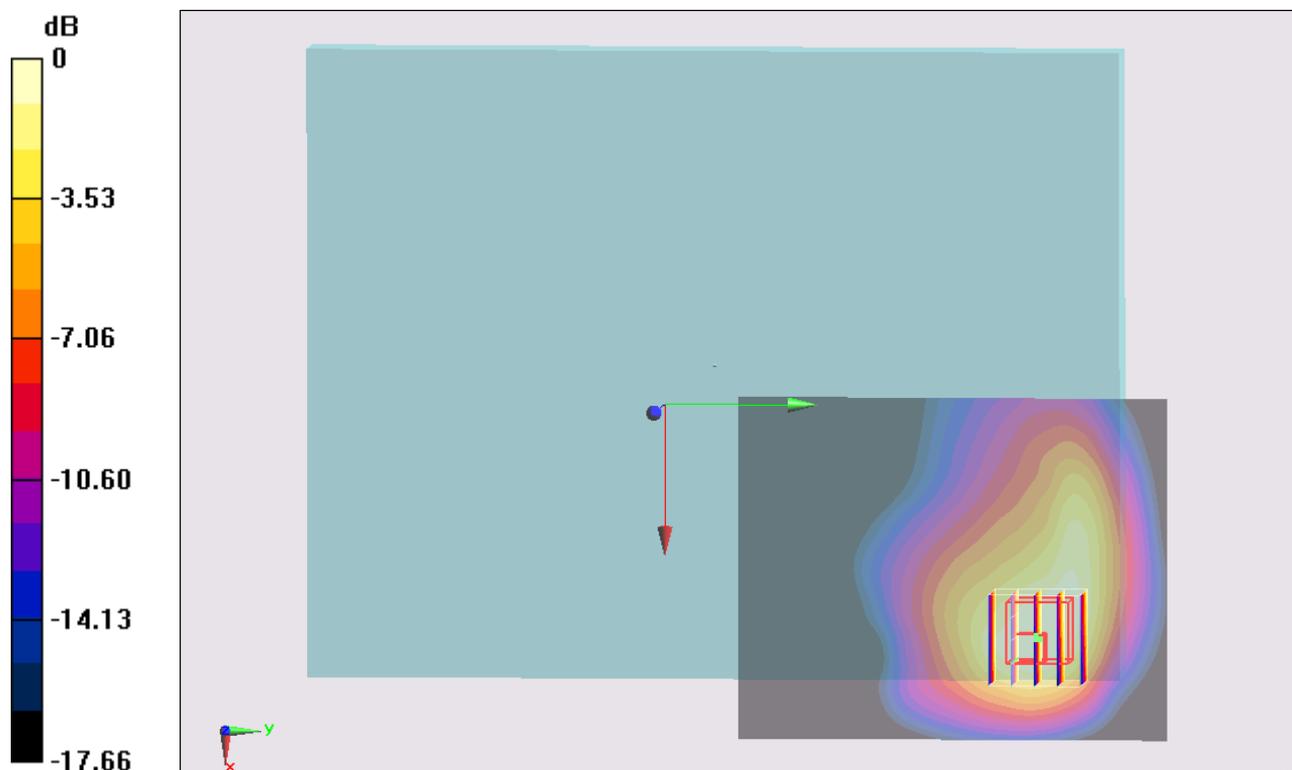
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.212 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.303 mW/g

**SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.429 mW/g**

Maximum value of SAR (measured) = 0.769 mW/g



0 dB = 0.769 mW/g = -2.28 dB mW/g

### #60\_CDMA2000 BC0\_RTAP 153.6\_Bottom Face\_1cm\_Ch1013

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.906$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.541 mW/g

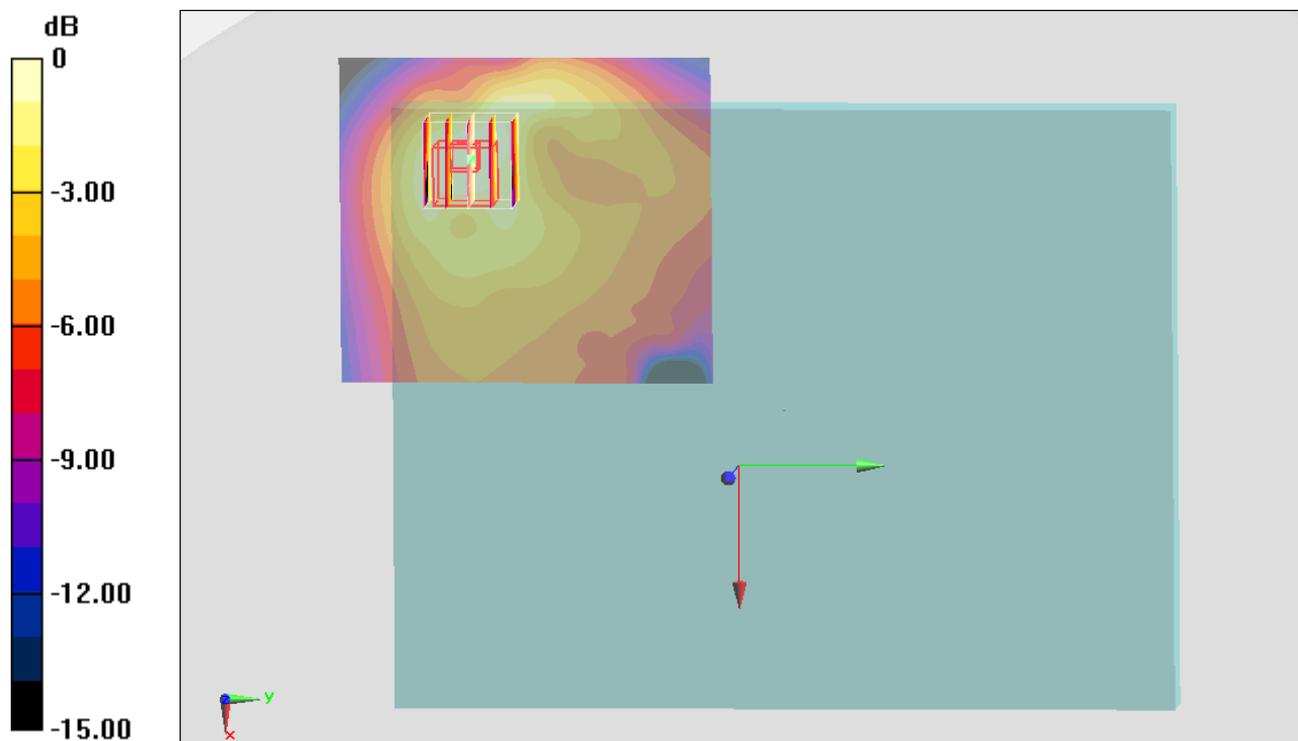
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.368 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.206 mW/g

**SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 0.509 mW/g



0 dB = 0.509 mW/g = -5.87 dB mW/g

### #46\_CDMA2000 BC0\_RTAP 153.6\_Bottom Face\_0cm\_Ch1013

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.906$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.32 mW/g

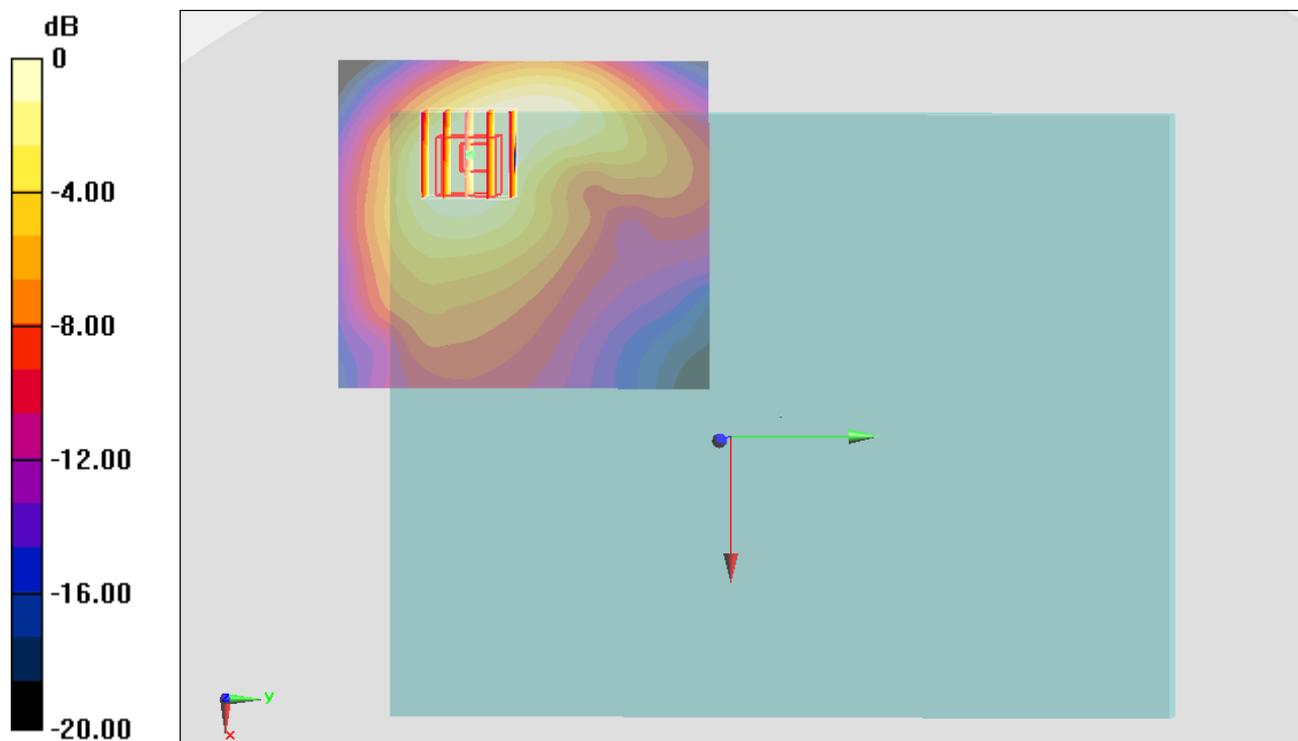
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.325 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 1.961 mW/g

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.597 mW/g**

Maximum value of SAR (measured) = 0.998 mW/g



0 dB = 0.998 mW/g = -0.02 dB mW/g

## #47\_CDMA2000 BC0\_RTAP 153.6\_Bottom Face\_0cm\_Ch384

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.791$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch384/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.35 mW/g

**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.575 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 1.544 mW/g

**SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.625 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g

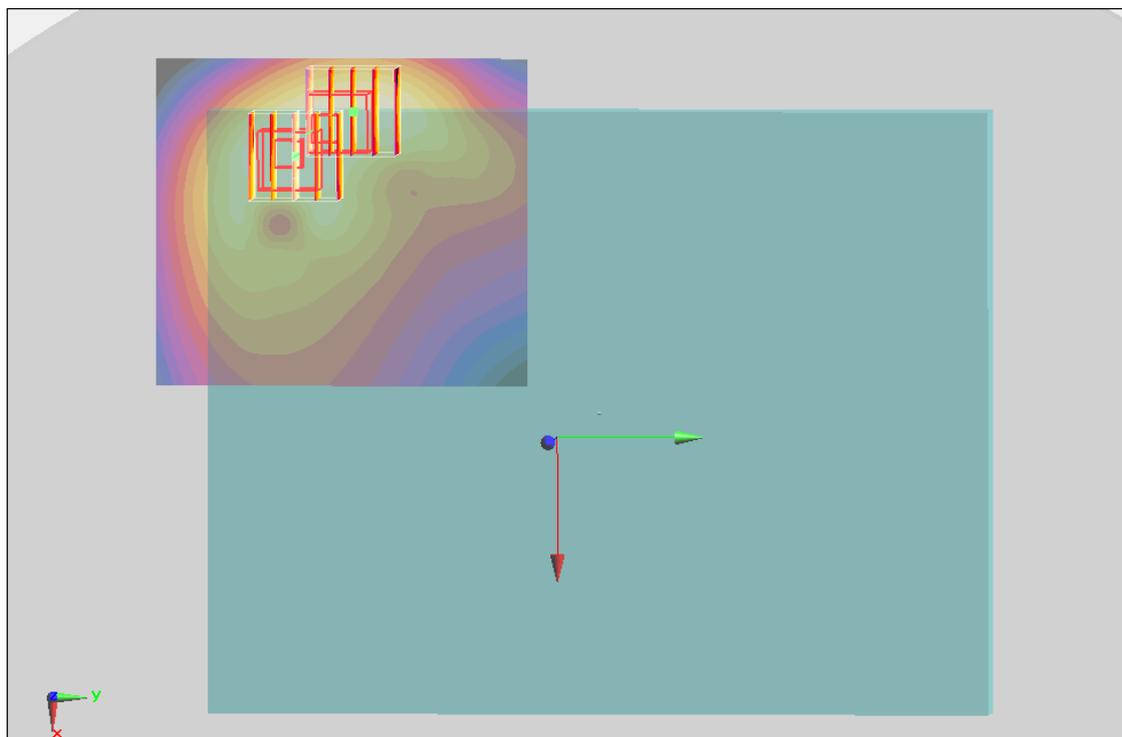
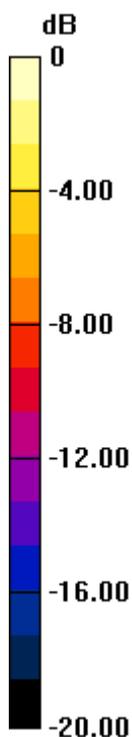
**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.575 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 1.396 mW/g

**SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.966 mW/g



0 dB = 0.966 mW/g = -30.00 dB mW/g

## #48\_CDMA2000 BC0\_RTAP 153.6\_Bottom Face\_0cm\_Ch777

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.26 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.886 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.101 mW/g

**SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.548 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g

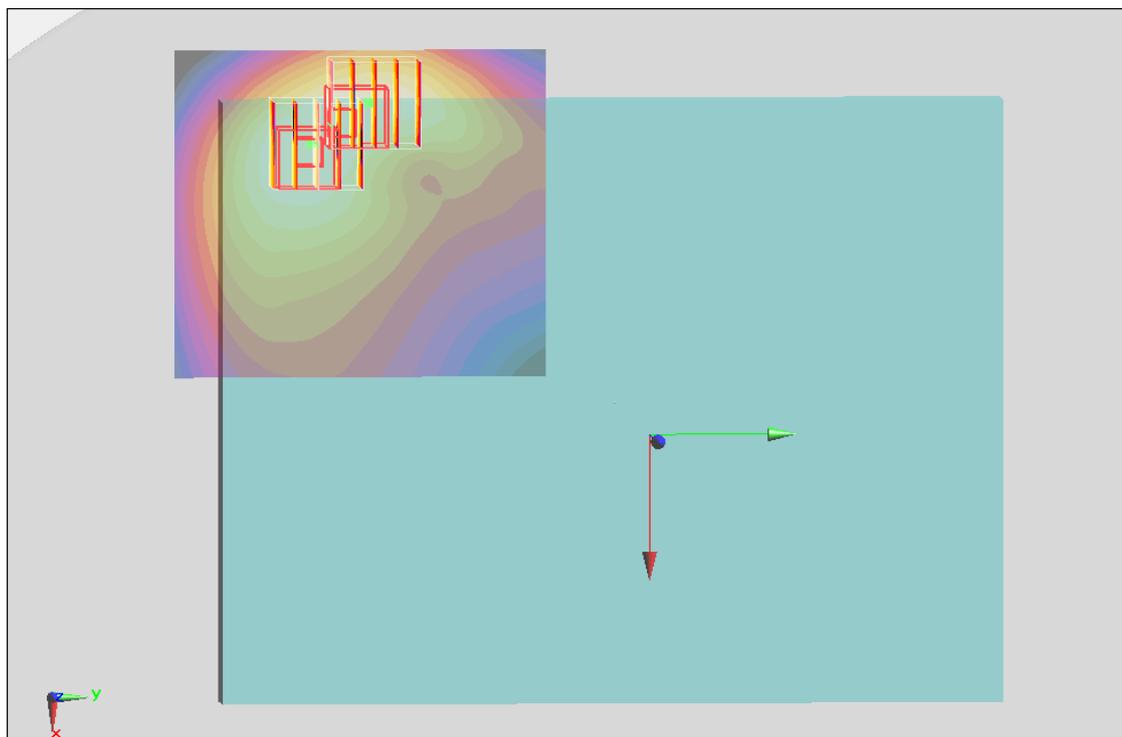
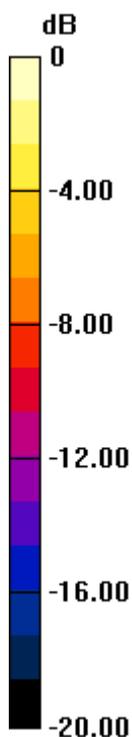
**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.886 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 1.410 mW/g

**SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.965 mW/g



0 dB = 0.965 mW/g = -0.31 dB mW/g

## #49\_CDMA2000 BC0\_RTAP 153.6\_Edge 3\_0cm\_Ch1013

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.906$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.02 mW/g

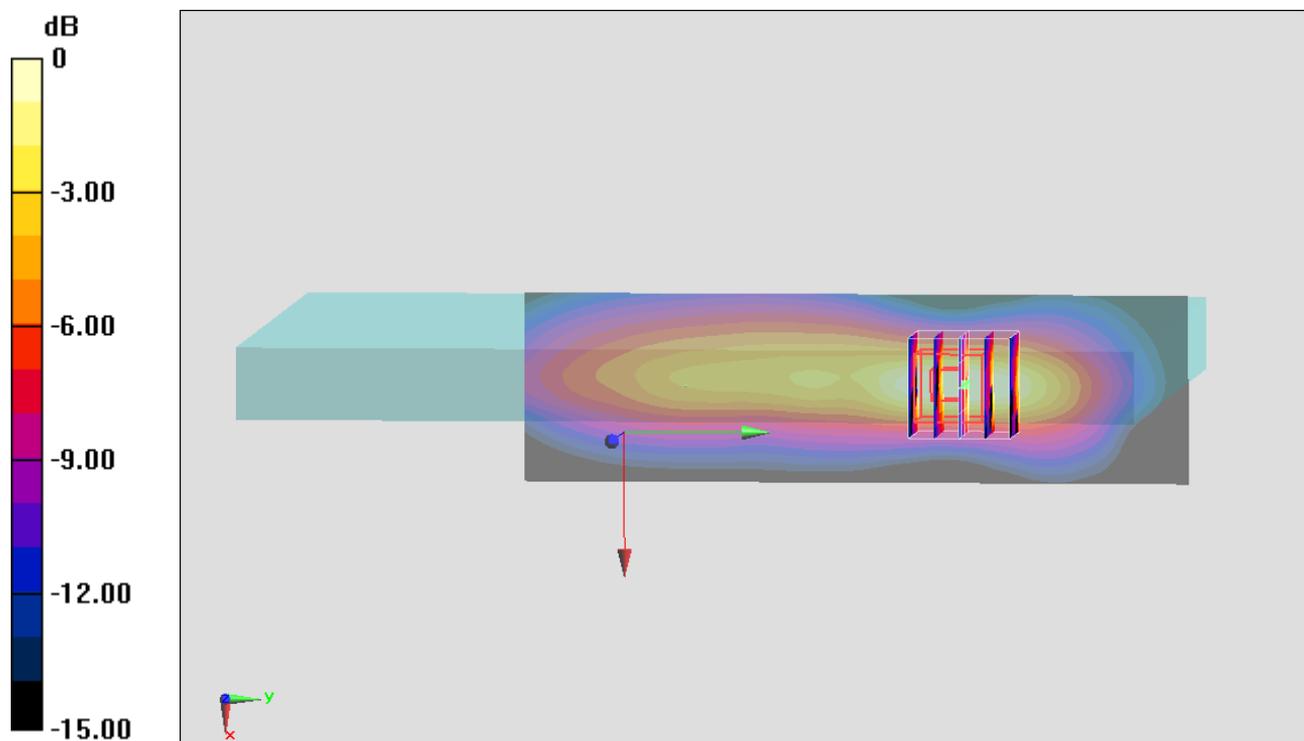
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.200 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.480 mW/g

**SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.442 mW/g**

Maximum value of SAR (measured) = 0.982 mW/g



0 dB = 0.982 mW/g = -0.16 dB mW/g

### #50\_CDMA2000 BC0\_RTAP 153.6\_Edge 3\_0cm\_Ch384

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.791$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch384/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.997 mW/g

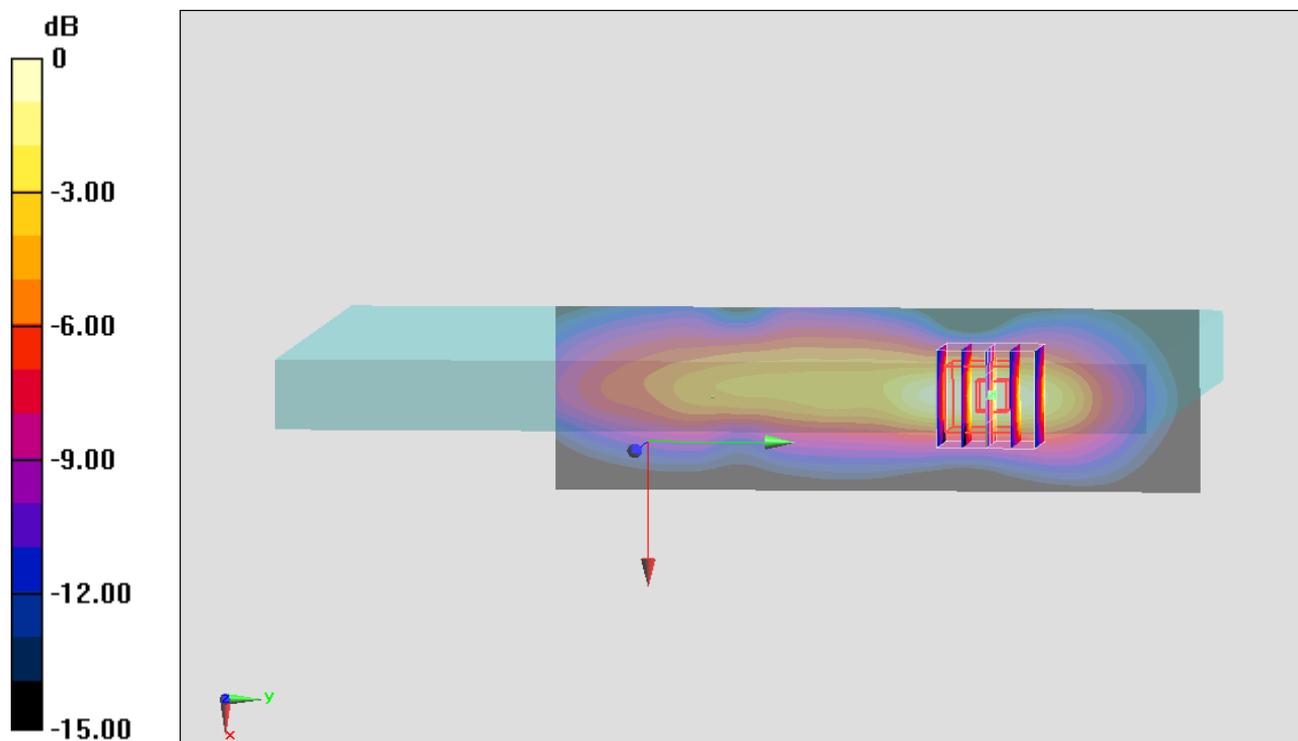
**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.121 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.710 mW/g

**SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 0.964 mW/g



0 dB = 0.964 mW/g = -0.32 dB mW/g

## #51\_CDMA2000 BC0\_RTAP 153.6\_Edge 3\_0cm\_Ch777

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.20 mW/g

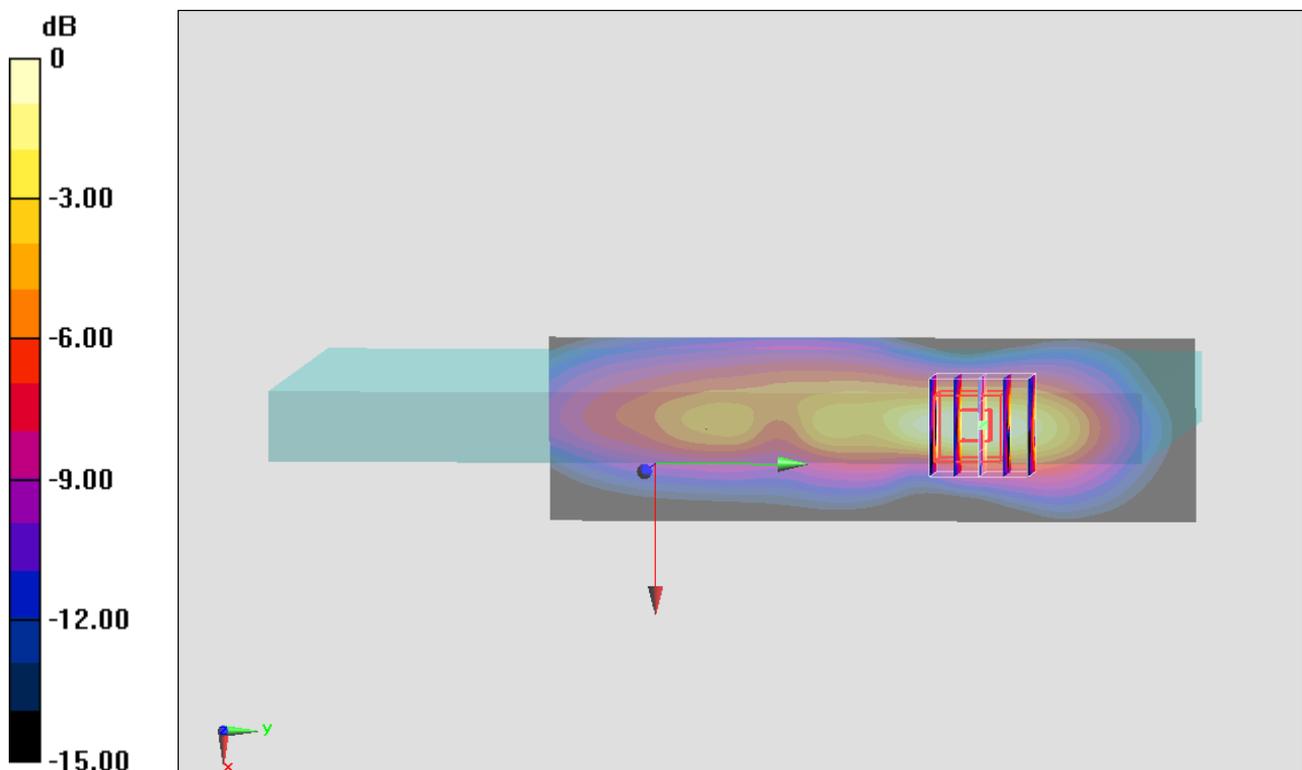
**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.274 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.801 mW/g

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15 mW/g = 1.21 dB mW/g

## #52\_CDMA2000 BC0\_RTAP 153.6\_Edge 4\_0cm\_Ch1013

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.906$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.706 mW/g

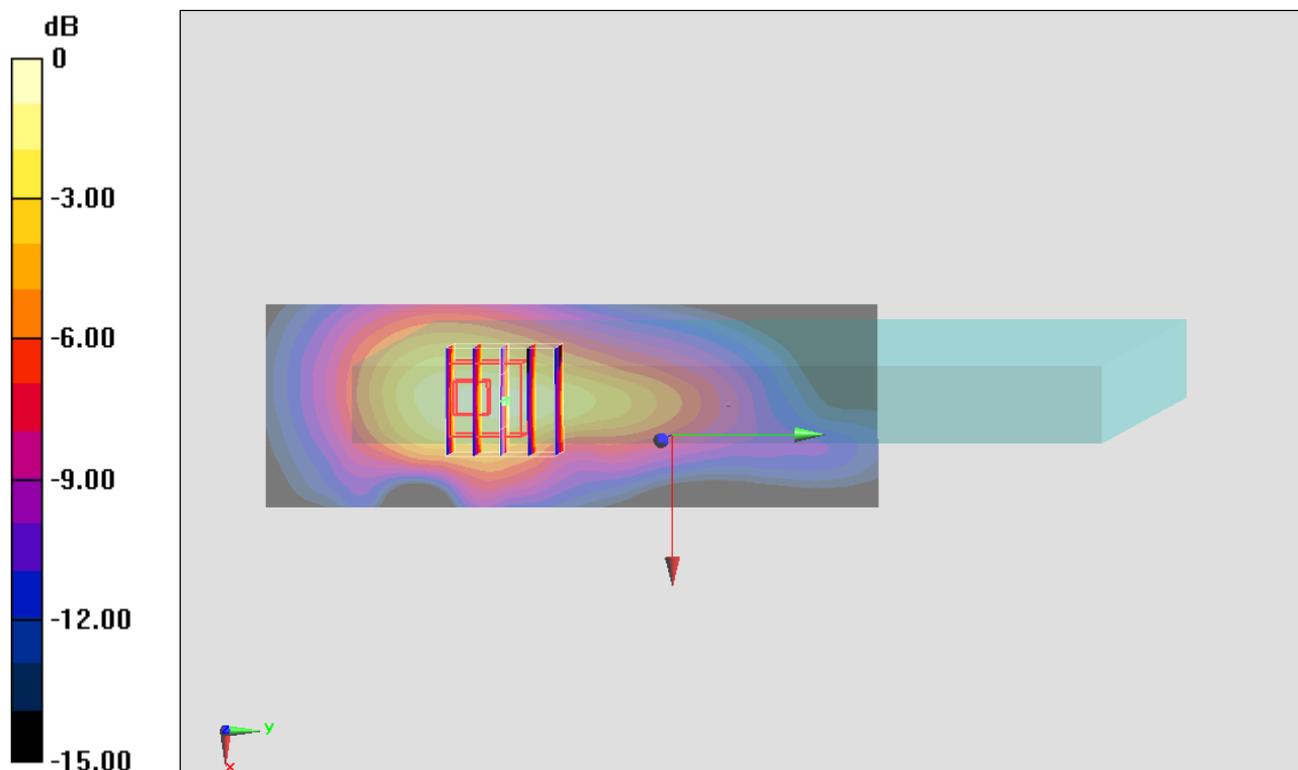
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.022 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.160 mW/g

**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.371 mW/g**

Maximum value of SAR (measured) = 0.794 mW/g



0 dB = 0.794 mW/g = -2.00 dB mW/g

### #53\_CDMA2000 BC0\_RTAP 153.6\_Edge 4\_0cm\_Ch384

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.791$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch384/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.793 mW/g

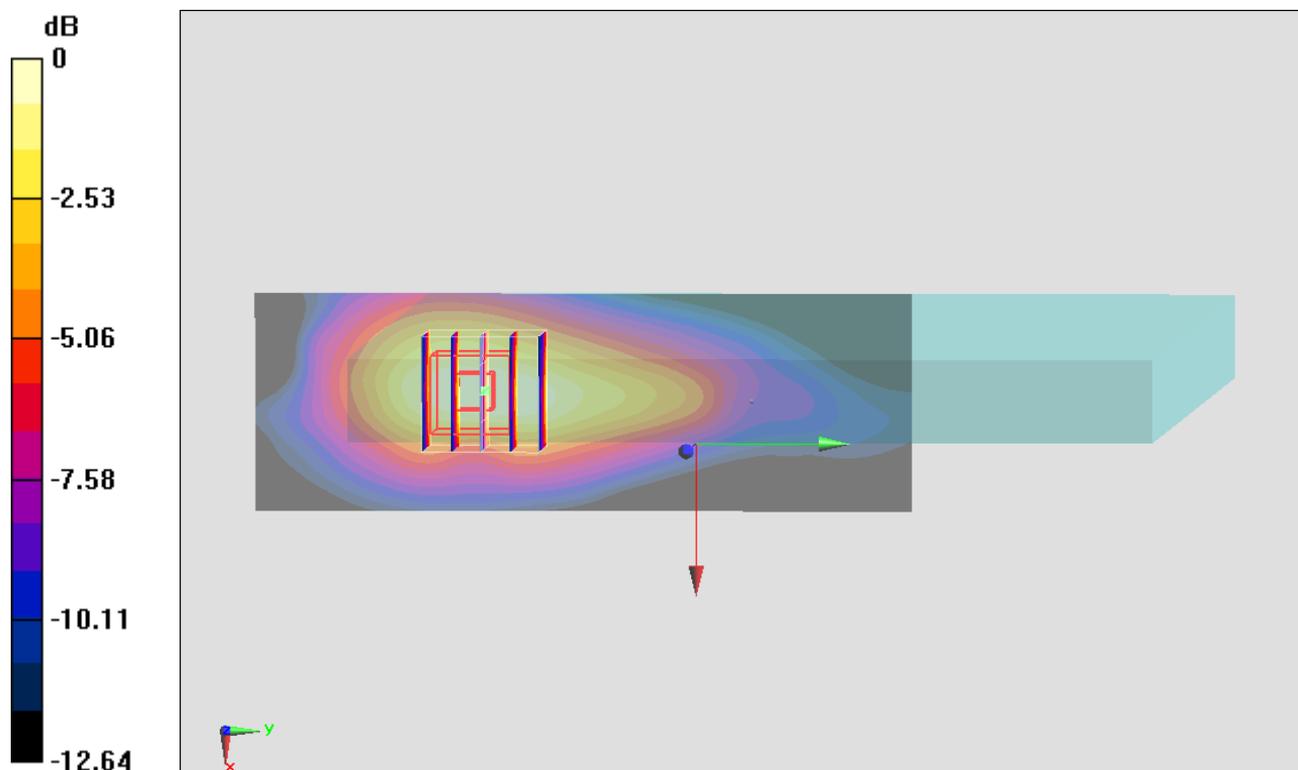
**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.955 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.343 mW/g

**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.409 mW/g**

Maximum value of SAR (measured) = 0.761 mW/g



0 dB = 0.761 mW/g = -2.37 dB mW/g

### #54\_CDMA2000 BC0\_RTAP 153.6\_Edge 4\_0cm\_Ch777

**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium: MSL\_850\_121218 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

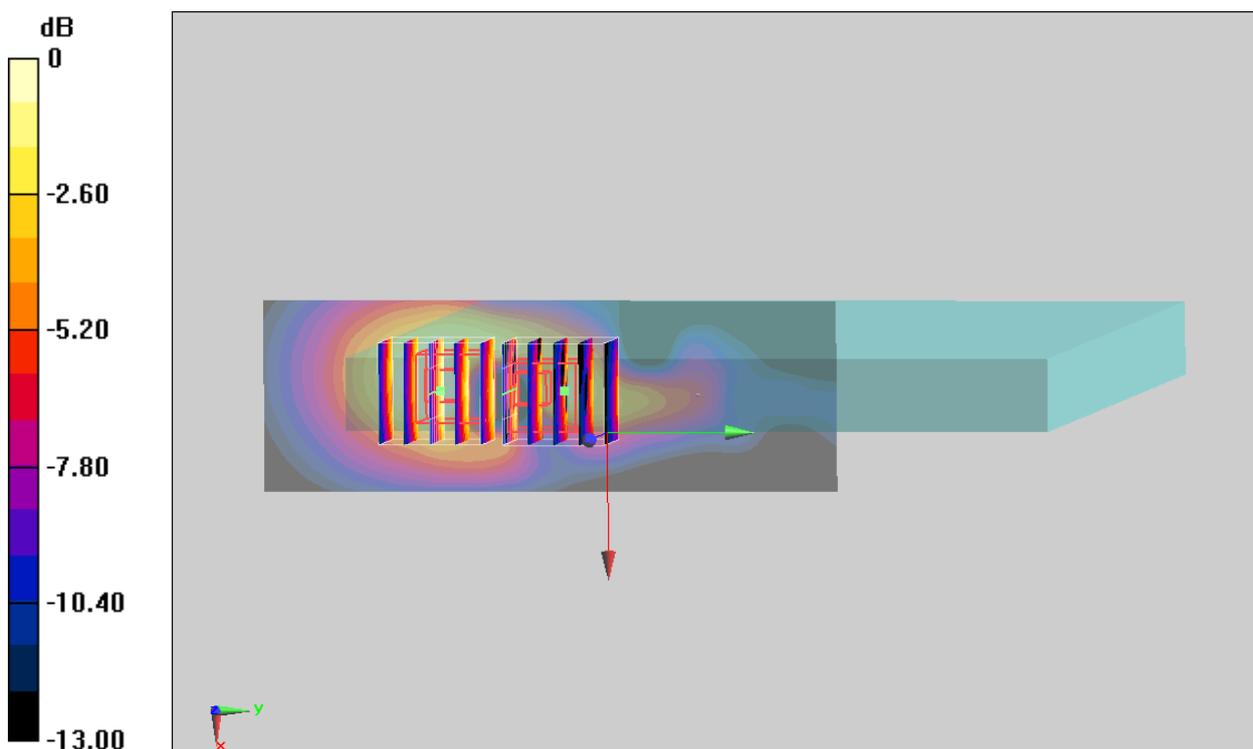
DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.783 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 26.827 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.042 mW/g  
**SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.364 mW/g**  
Maximum value of SAR (measured) = 0.654 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 26.827 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.725 mW/g  
**SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.215 mW/g**  
Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570 mW/g = -4.88 dB mW/g

### #55\_CDMA2000 BC0\_RTAP 153.6\_Bottom\_0cm\_Ch1013

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.906$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.05 mW/g

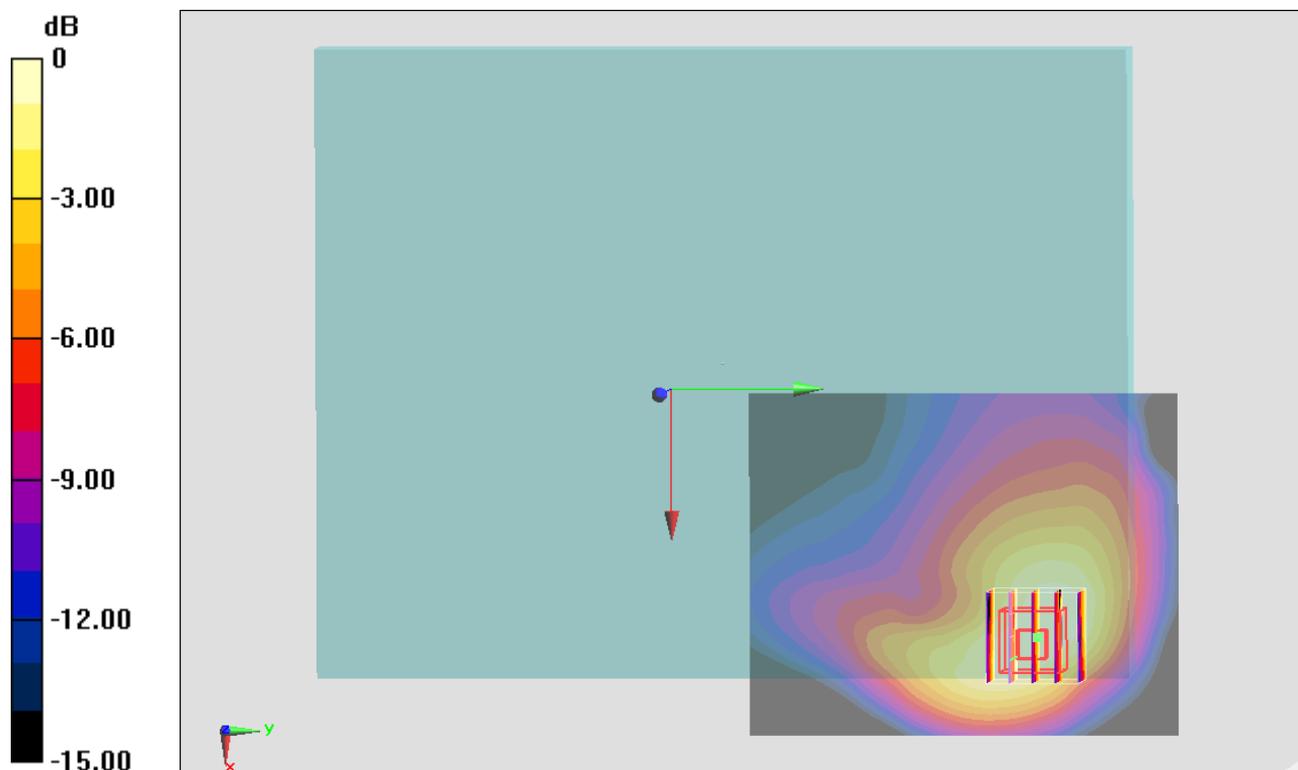
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.233 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.296 mW/g

**SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.588 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01 mW/g = 0.09 dB mW/g

### #56\_CDMA2000 BC0\_RTAP 153.6\_Bottom\_0cm\_Ch384

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.791$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch384/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.11 mW/g

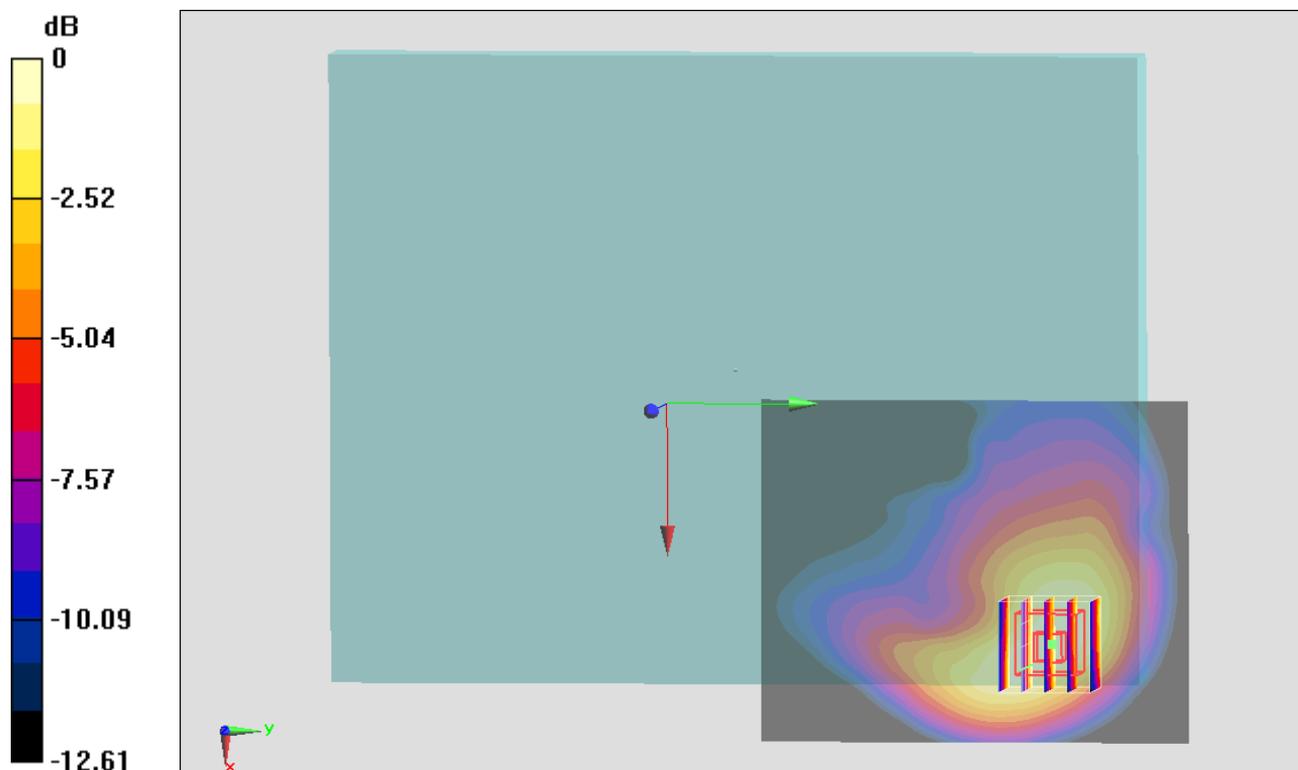
**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.452 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.245 mW/g

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.630 mW/g**

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.08 mW/g = 0.67 dB mW/g

### #58\_CDMA2000 BC0\_RTAP 153.6\_Bottom\_0cm\_Ch777

**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium: MSL\_850\_121218 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

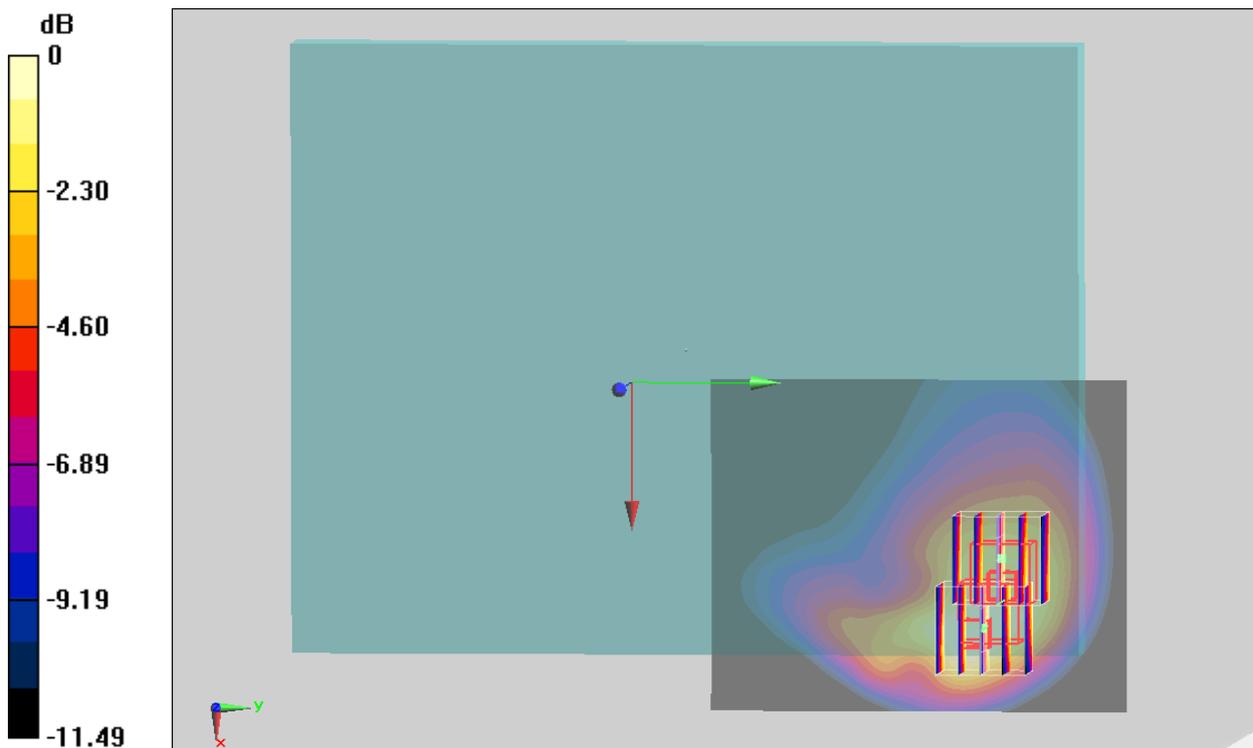
DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 35.171 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 1.615 mW/g  
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.633 mW/g**  
Maximum value of SAR (measured) = 1.10 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 35.171 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 1.543 mW/g  
**SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.567 mW/g**  
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02 mW/g = 0.17 dB mW/g

**#58\_CDMA2000 BC0\_RTAP 153.6\_Bottom\_0cm\_Ch777\_2D****DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
dz=5mm

Reference Value = 35.171 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.615 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.633 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g

**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm,  
dz=5mm

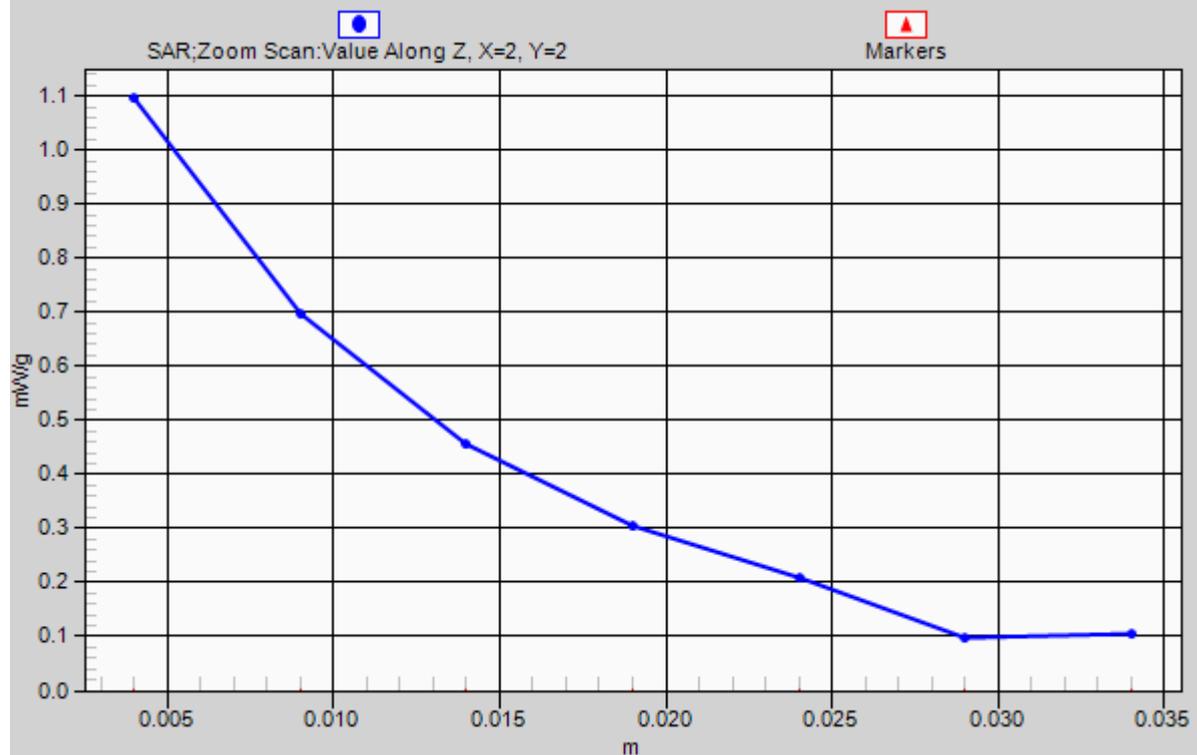
Reference Value = 35.171 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.543 mW/g

**SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.567 mW/g**

Maximum value of SAR (measured) = 1.02 mW/g

# 1g/10g Averaged SAR



### #59\_CDMA2000 BC0\_RTAP 153.6\_Bottom\_0cm\_Ch777\_Repeat

**DUT: 2N2103-01**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_121218 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.673$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.08, 6.08, 6.08); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.922 mW/g

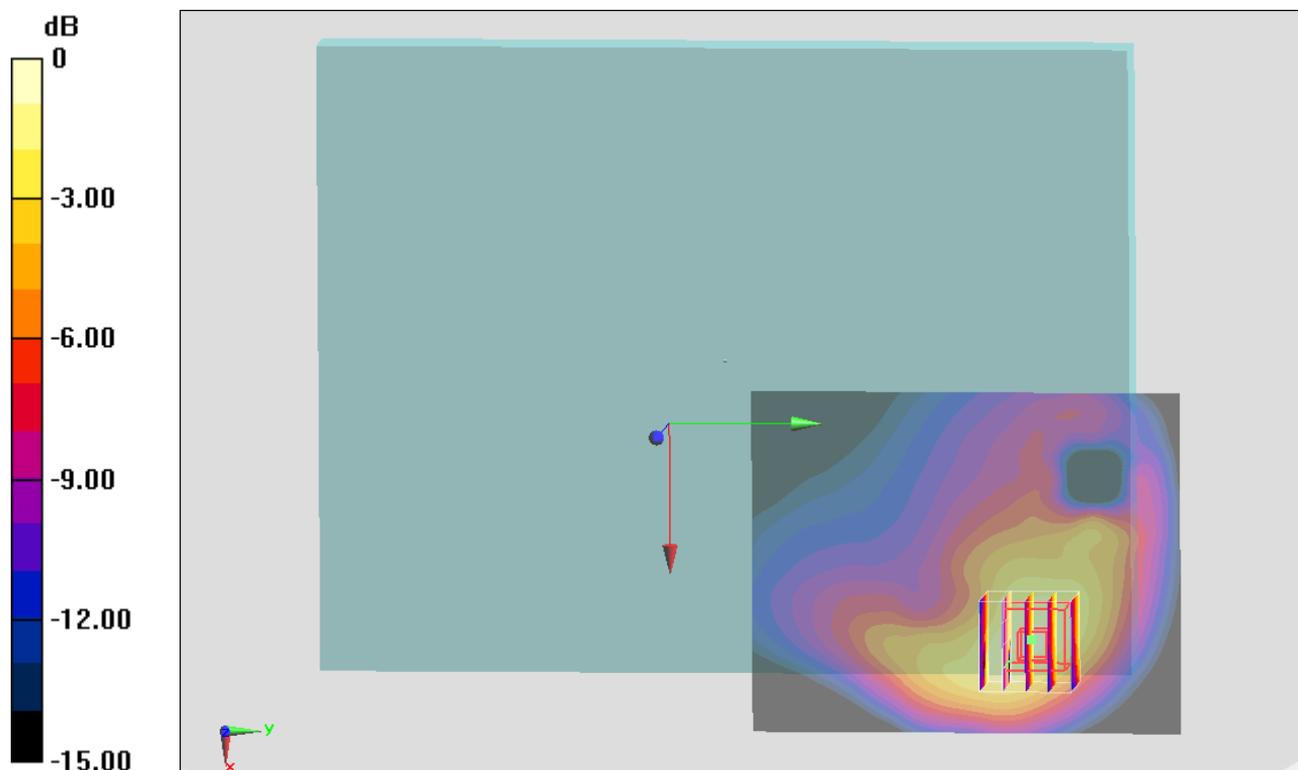
**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.720 V/m; Power Drift = 0.81 dB

Peak SAR (extrapolated) = 2.679 mW/g

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.604 mW/g**

Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09 mW/g = 0.75 dB mW/g

### #70\_CDMA2000 BC1\_RTAP 153.6\_Bottom Face\_1cm\_Ch25

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r =$

$53.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.497 mW/g

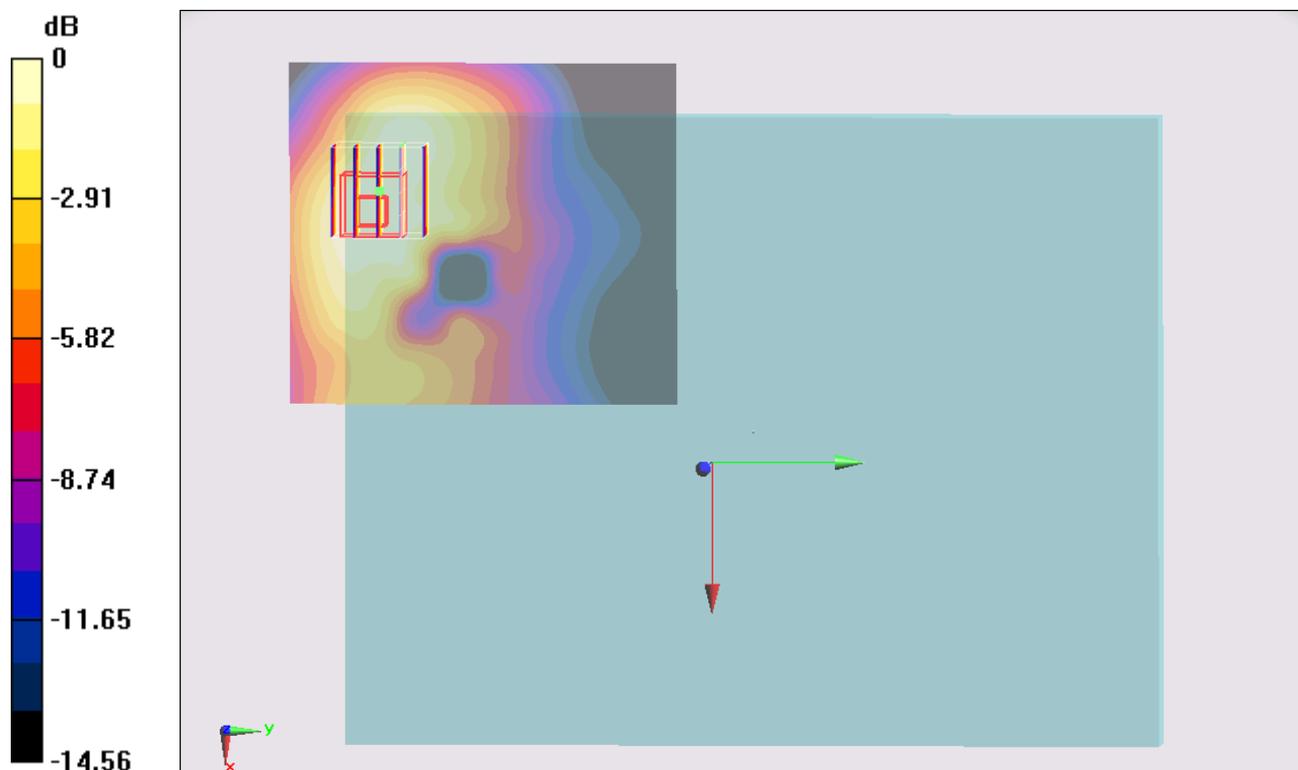
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.787 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.702 mW/g

**SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.305 mW/g**

Maximum value of SAR (measured) = 0.502 mW/g



0 dB = 0.502 mW/g = -5.99 dB mW/g

### #61\_CDMA2000 BC1\_RTAP 153.6\_Bottom Face\_0cm\_Ch600

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (81x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.861 mW/g

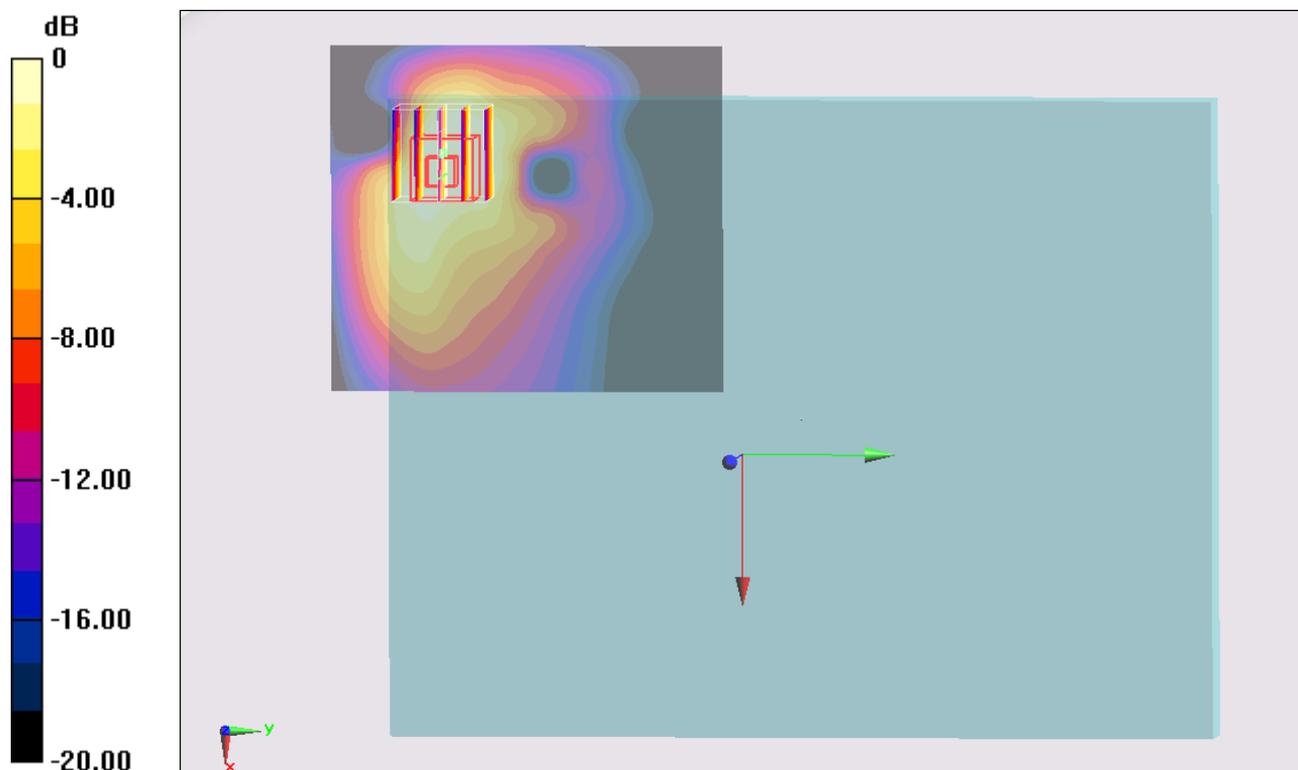
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.748 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.966 mW/g

**SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.705 mW/g



0 dB = 0.705 mW/g = -3.04 dB mW/g

## #62\_CDMA2000 BC1\_RTAP 153.6\_Edge 3\_0cm\_Ch600

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.950 mW/g

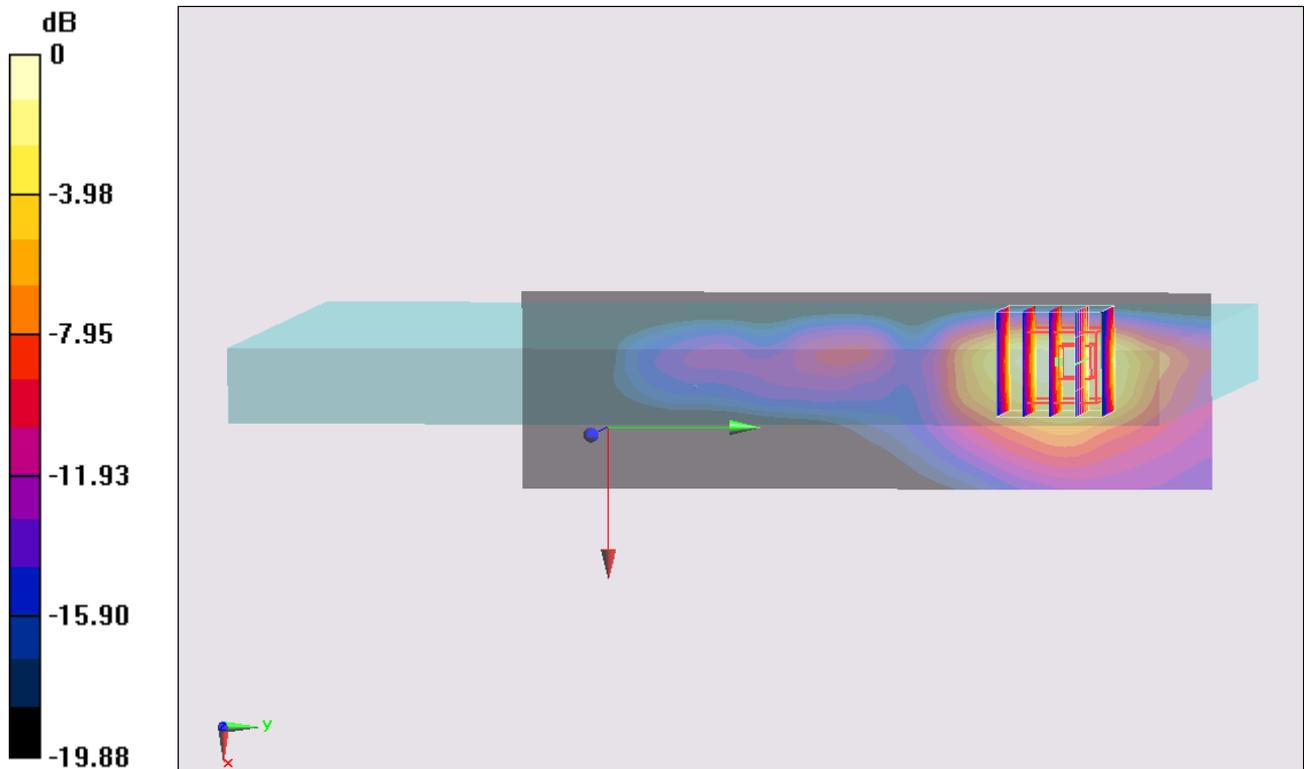
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.973 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.169 mW/g

**SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.927 mW/g



0 dB = 0.927 mW/g = -0.66 dB mW/g

### #63\_CDMA2000 BC1\_RTAP 153.6\_Edge 3\_0cm\_Ch25

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r =$

$53.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.839 mW/g

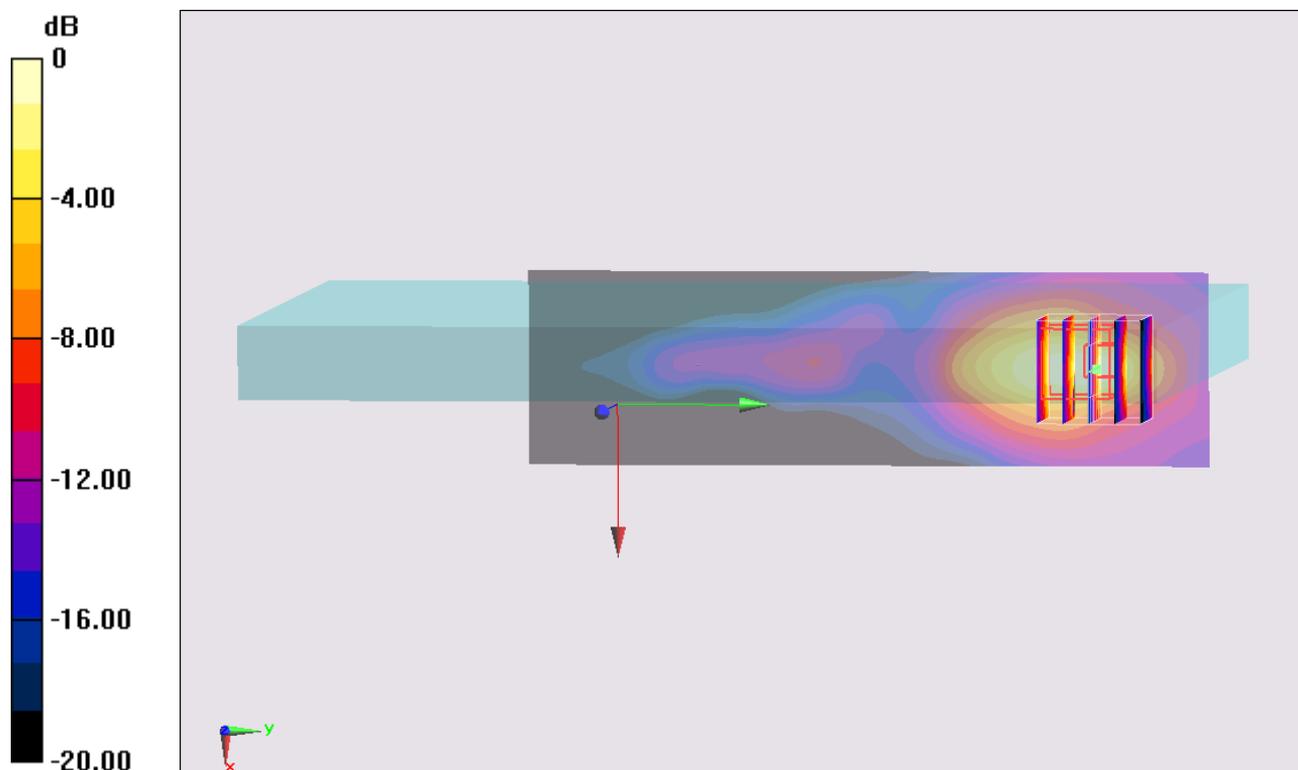
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.272 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.098 mW/g

**SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (measured) = 0.861 mW/g



## #64\_CDMA2000 BC1\_RTAP 153.6\_Edge 3\_0cm\_Ch1175

### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.173$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.877 mW/g

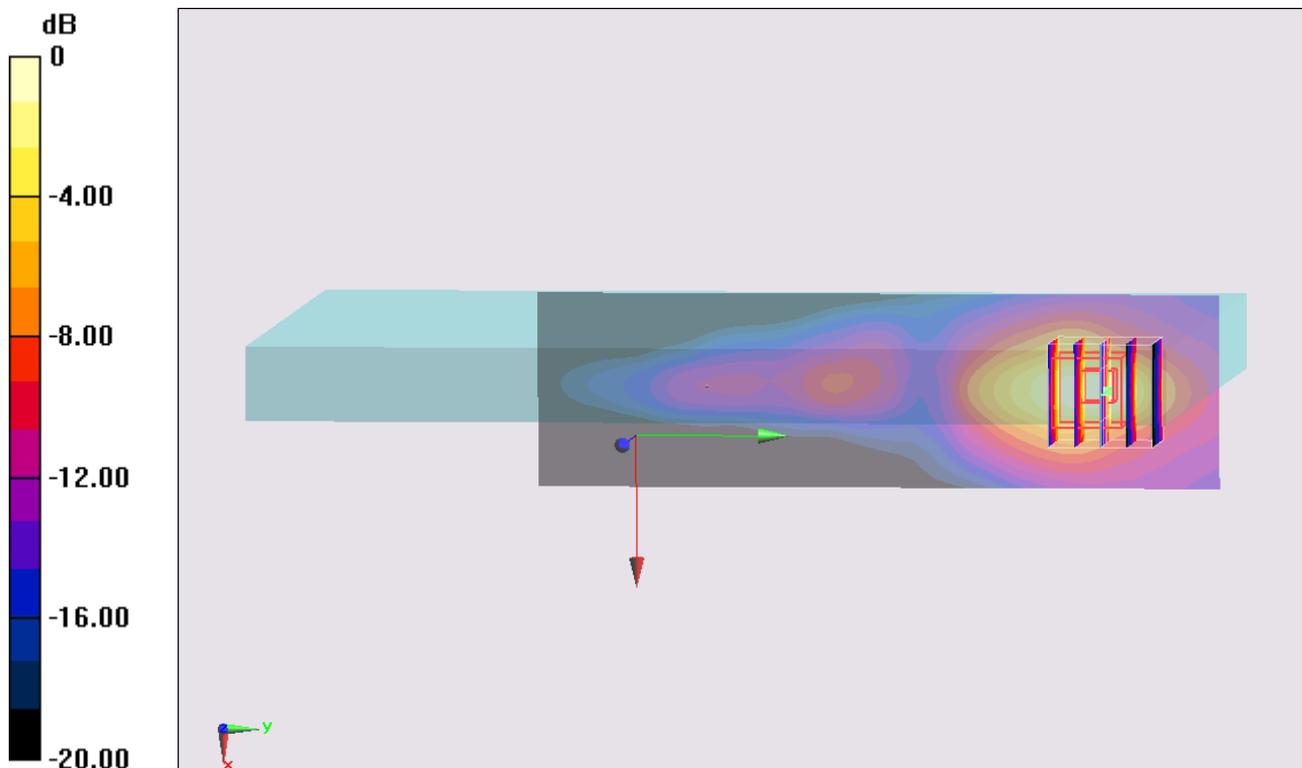
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.889 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.401 mW/g

**SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.317 mW/g**

Maximum value of SAR (measured) = 0.879 mW/g



0 dB = 0.879 mW/g = -1.12 dB mW/g

### #65\_CDMA2000 BC1\_RTAP 153.6\_Edge 4\_0cm\_Ch600

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.27 mW/g

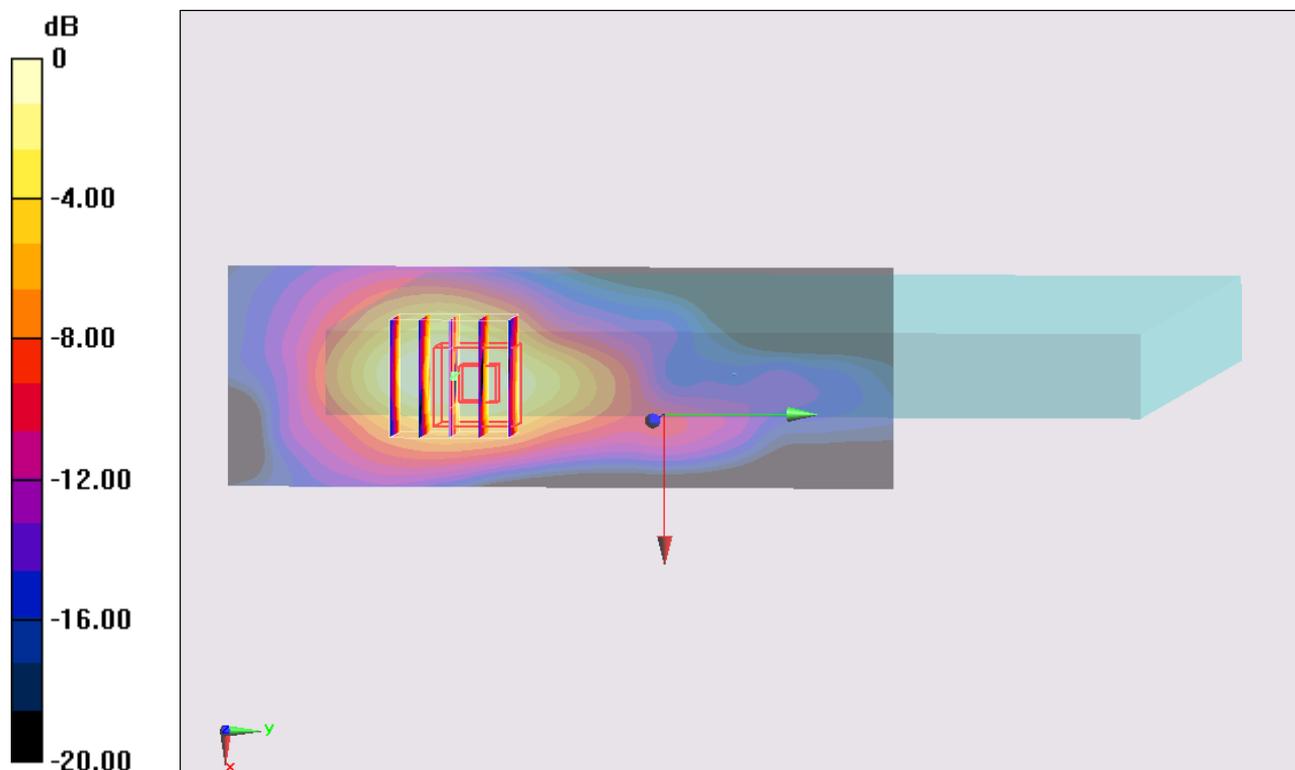
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.704 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.435 mW/g

**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27 mW/g = 2.08 dB mW/g

### #66\_CDMA2000 BC1\_RTAP 153.6\_Edge 4\_0cm\_Ch25

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.482$  mho/m;  $\epsilon_r =$

$53.433$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.14 mW/g

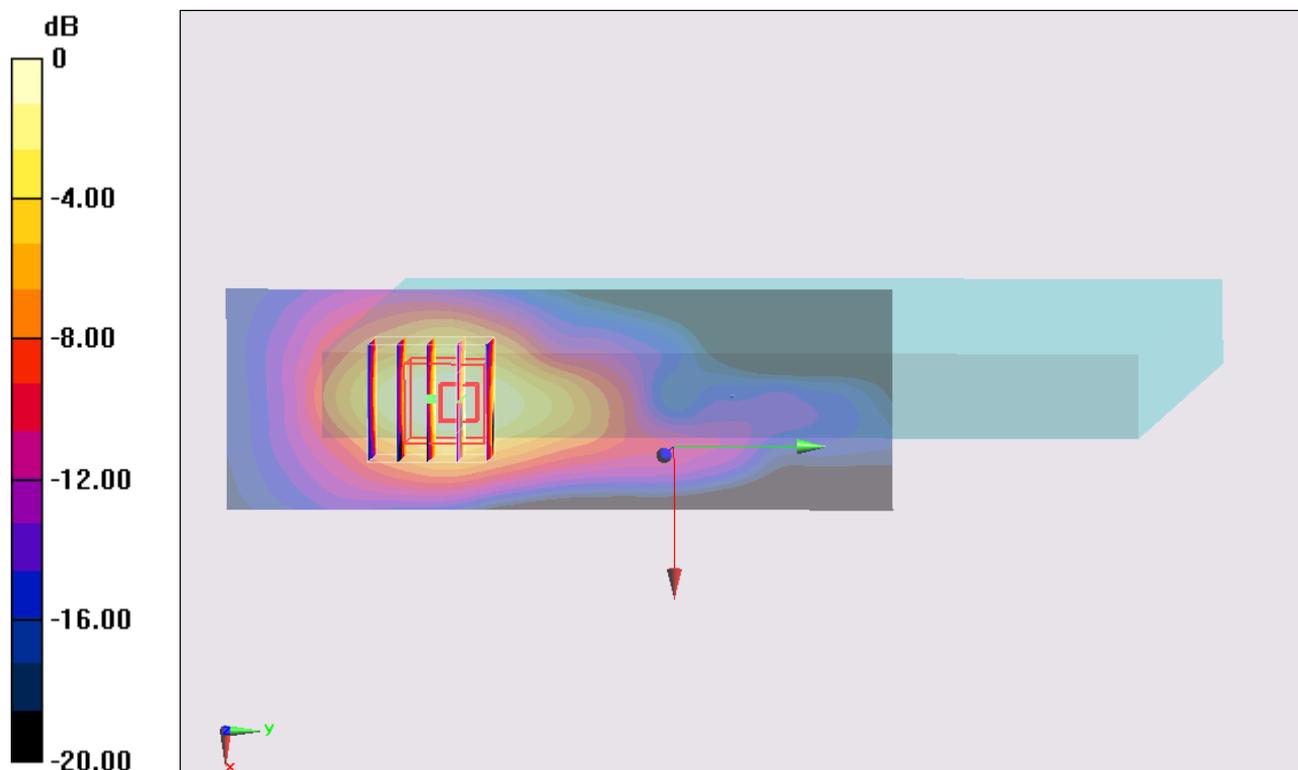
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.011 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.389 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.572 mW/g**

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19 mW/g = 1.51 dB mW/g

### #67\_CDMA2000 BC1\_RTAP 153.6\_Edge 4\_0cm\_Ch1175

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.173$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.26 mW/g

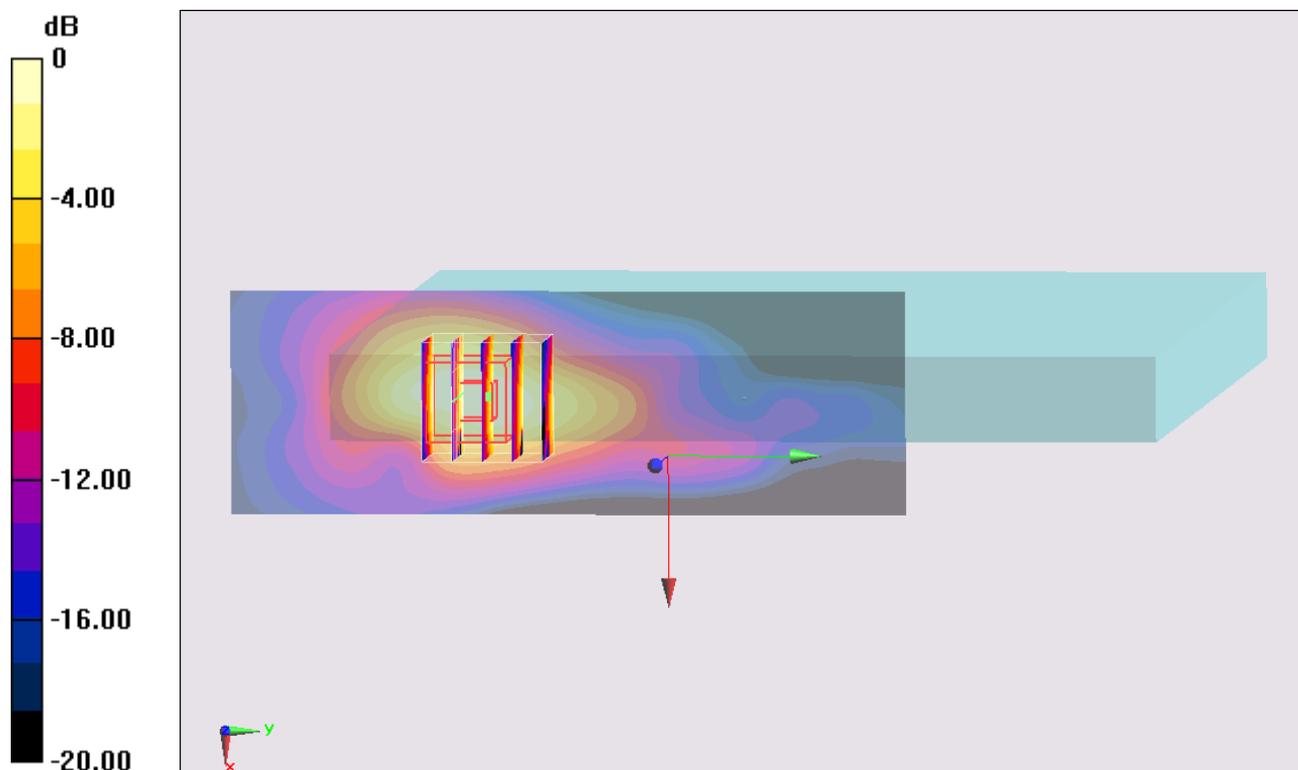
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.373 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.687 mW/g

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.621 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g



### #67\_CDMA2000 BC1\_RTAP 153.6\_Edge 4\_0cm\_Ch1175\_2D

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.173$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.26 mW/g

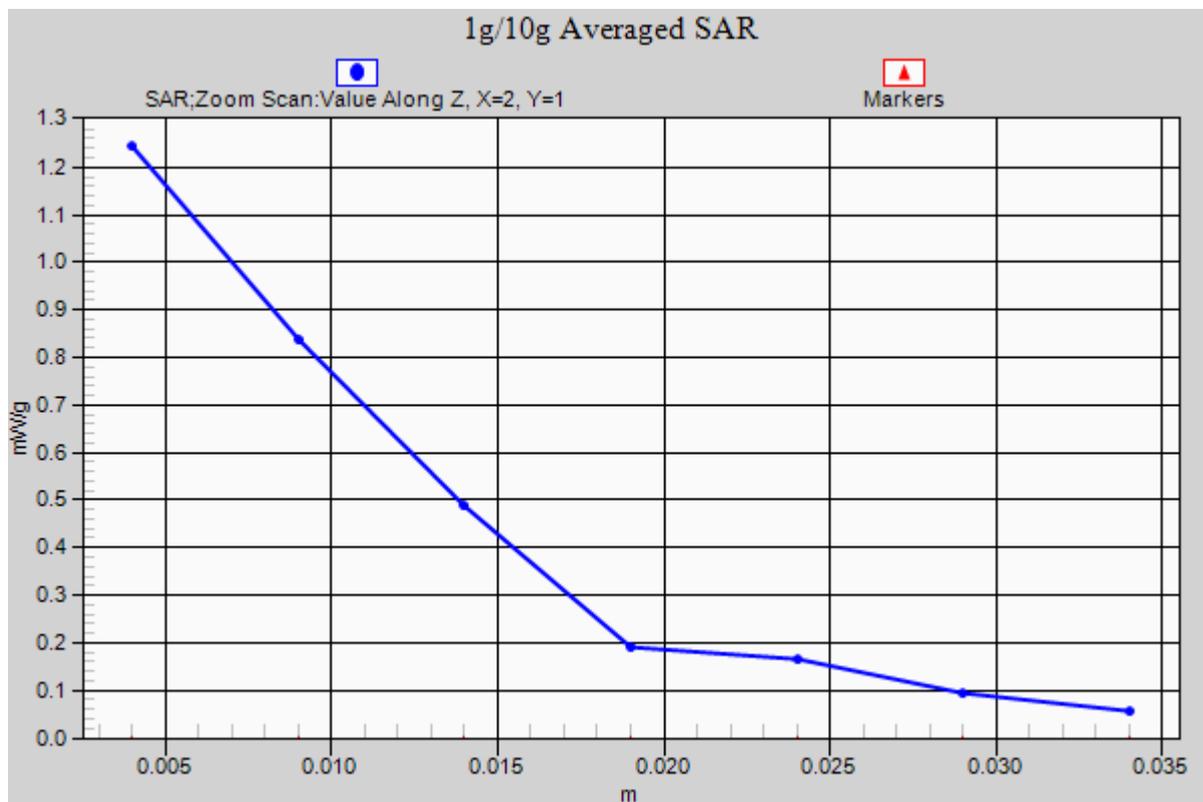
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.373 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.687 mW/g

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.621 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g



### #68\_CDMA2000 BC1\_RTAP 153.6\_Edge 4\_0cm\_Ch1175\_Repeat

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.173$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.28 mW/g

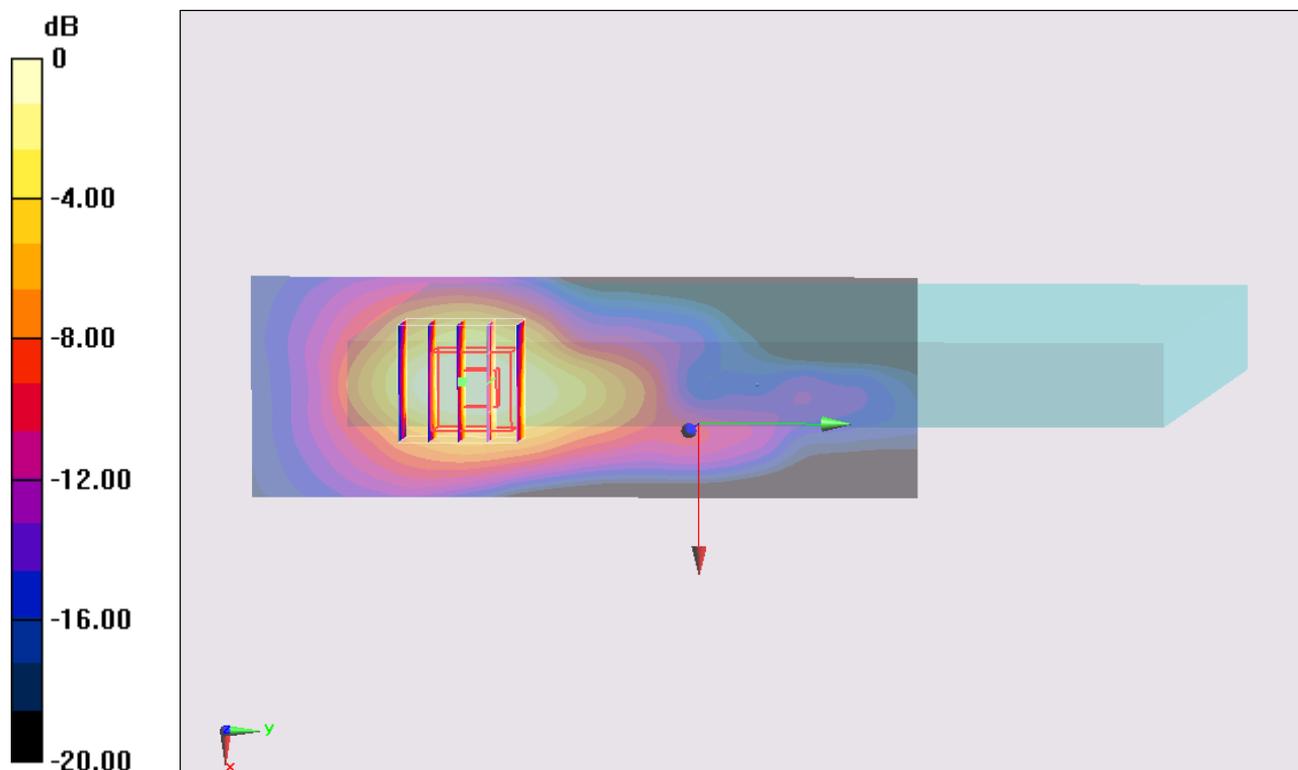
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.929 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.663 mW/g

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.624 mW/g**

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19 mW/g = 1.51 dB mW/g

### #69\_CDMA2000 BC1\_RTAP 153.6\_Bottom\_0cm\_Ch600

#### DUT: 2N2103-01

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_121218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.505$  mho/m;  $\epsilon_r = 53.327$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.58, 4.58, 4.58); Calibrated: 2012/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.684 mW/g

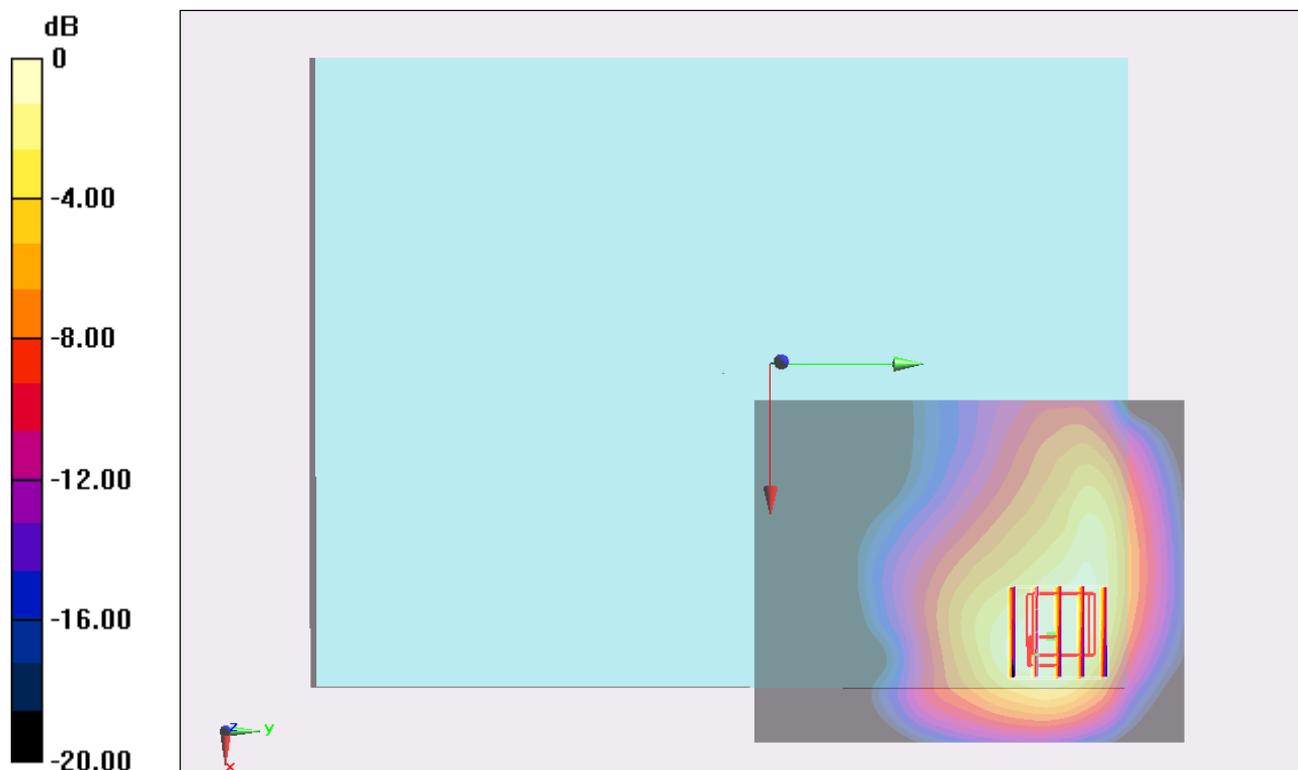
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.449 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.046 mW/g

**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.665 mW/g



0 dB = 0.665 mW/g = -3.54 dB mW/g