



## ***Appendix B. Plots of SAR Measurement***

The plots are shown as follows.

### #51\_GSM850\_GPRS (2TX slots)\_Bottom Face\_1cm\_Ch189

**DUT: 312810**

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

Medium: MSL\_850\_130209 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.567 mW/g

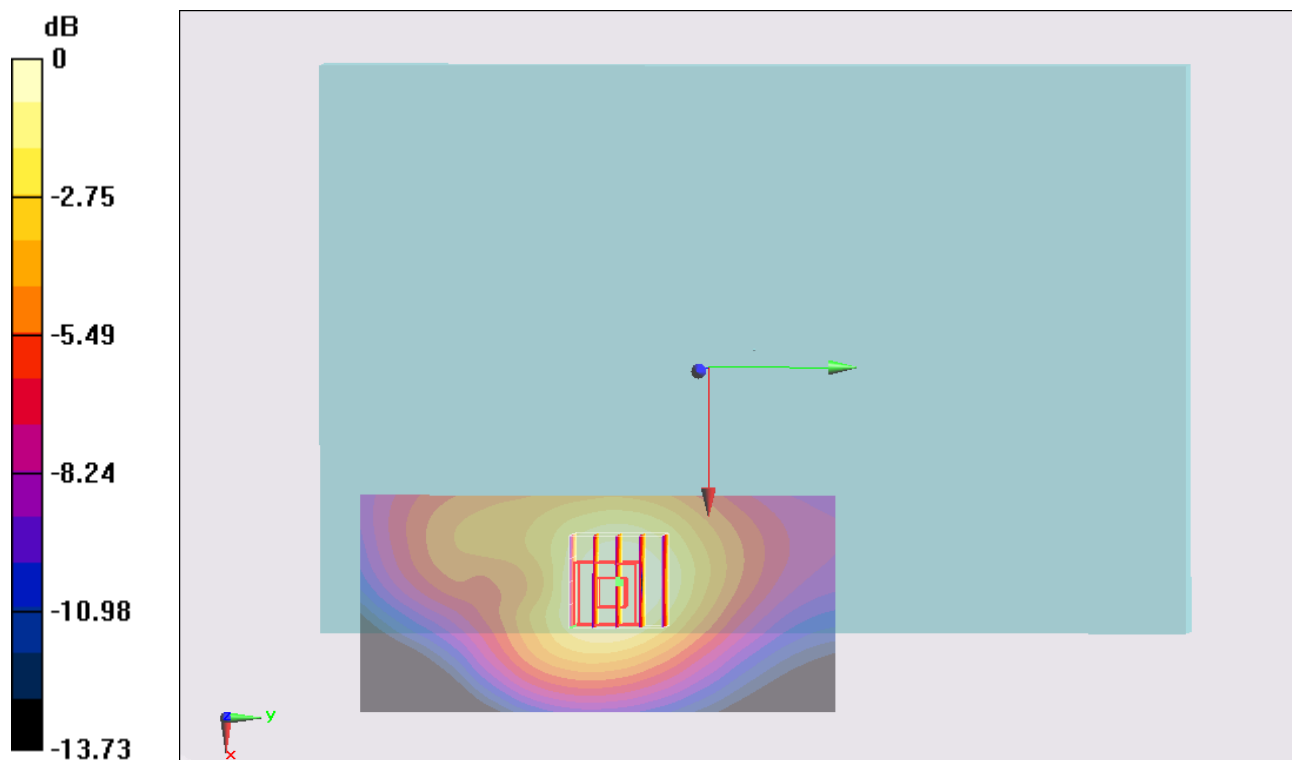
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.910 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.668 mW/g

**SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.508 mW/g



0 dB = 0.508 mW/g = -5.88 dB mW/g

## #56\_GSM850\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch189

**DUT: 312810**

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

Medium: MSL\_850\_130209 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.864 mW/g

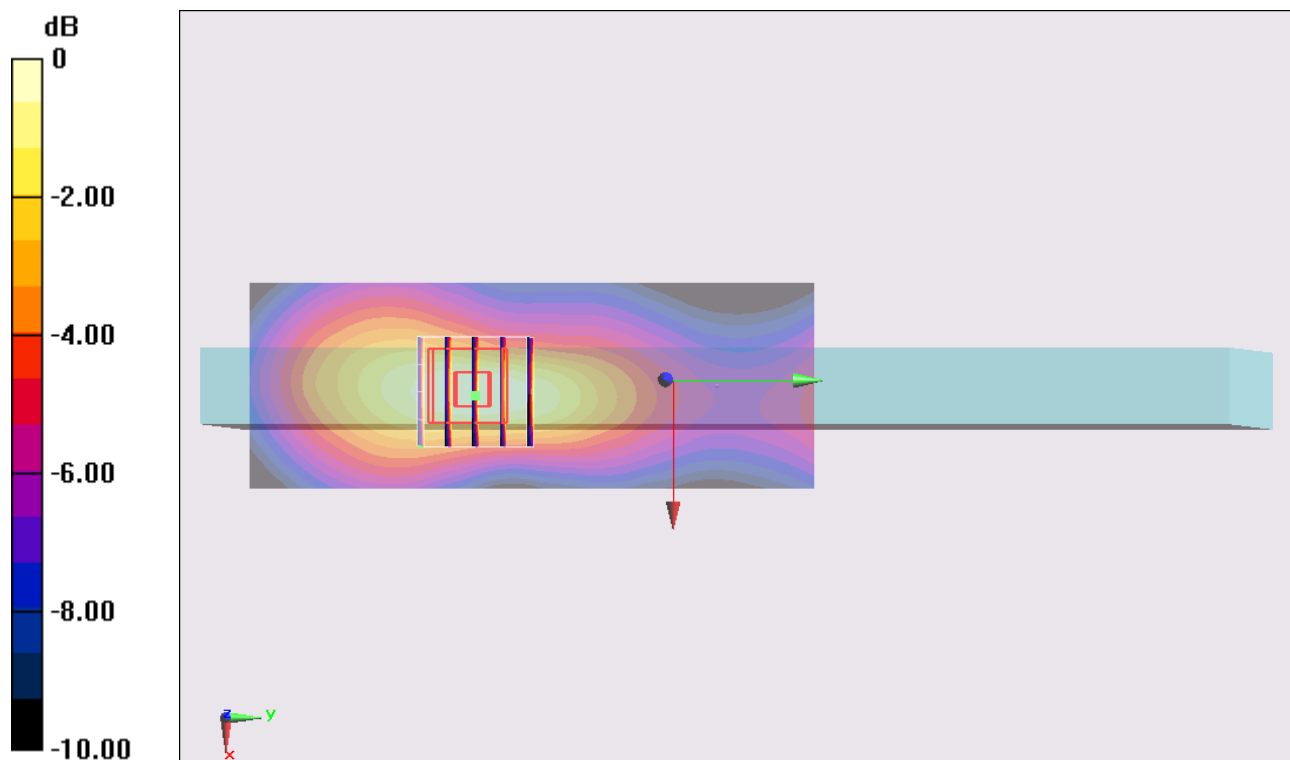
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.760 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.123 mW/g

**SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.491 mW/g**

Maximum value of SAR (measured) = 0.834 mW/g



0 dB = 0.834 mW/g = -1.58 dB mW/g

### #57\_GSM850\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch128

**DUT: 312810**

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

Medium: MSL\_850\_130209 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.666$ ;  $\rho$

$= 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.797 mW/g

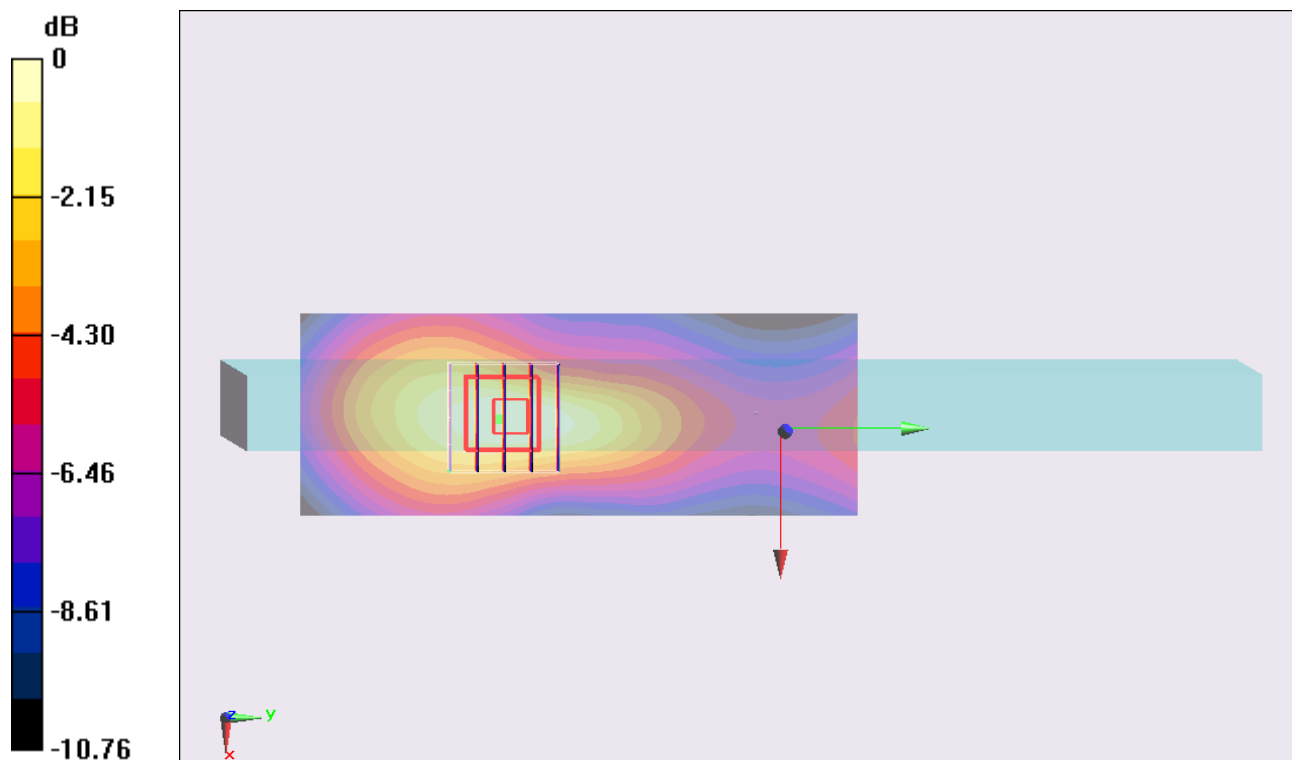
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.961 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.065 mW/g

**SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.455 mW/g**

Maximum value of SAR (measured) = 0.772 mW/g



0 dB = 0.772 mW/g = -2.25 dB mW/g

### #58\_GSM850\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch251

**DUT: 312810**

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

Medium: MSL\_850\_130209 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.411$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (41x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.908 mW/g

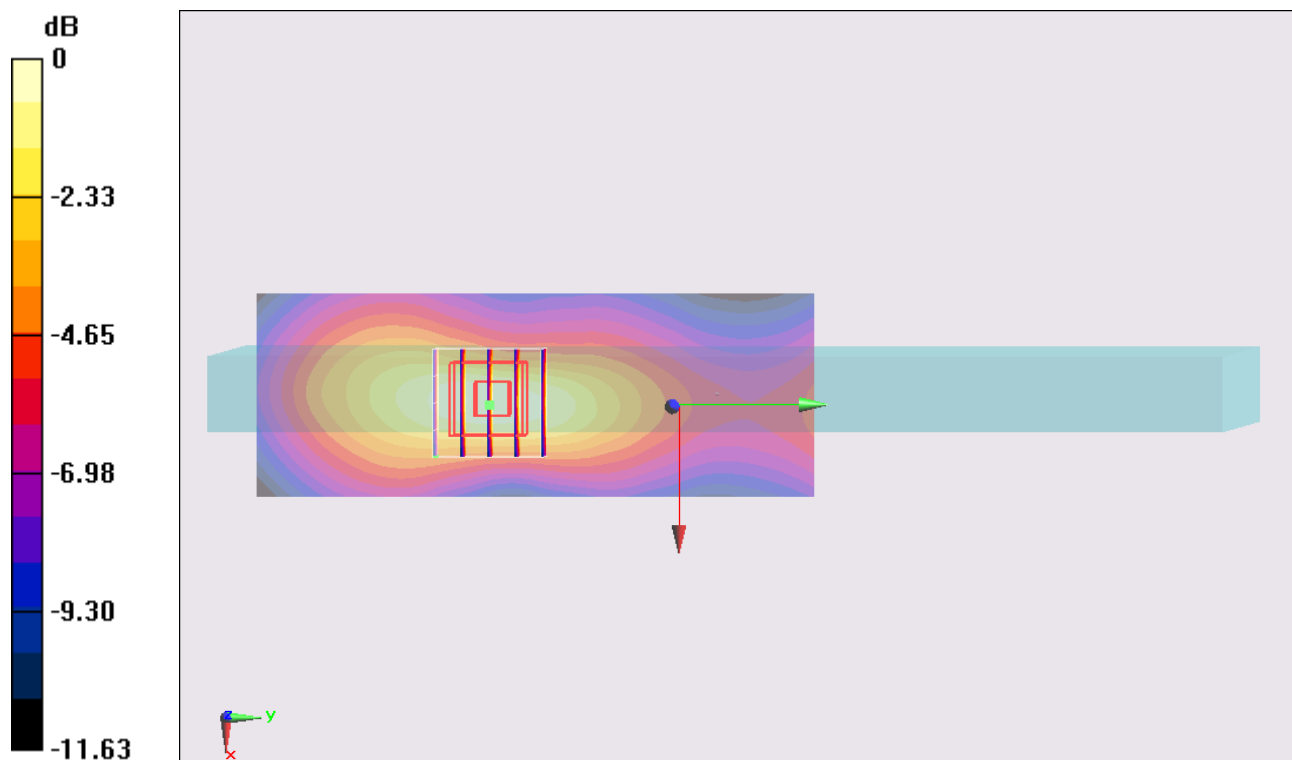
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.871 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.250 mW/g

**SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.510 mW/g**

Maximum value of SAR (measured) = 0.894 mW/g



0 dB = 0.894 mW/g = -0.97 dB mW/g

### #59\_GSM850\_GPRS (2TX slots)\_Edge 4\_0cm\_Ch189

**DUT: 312810**

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

Medium: MSL\_850\_130209 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.185 mW/g

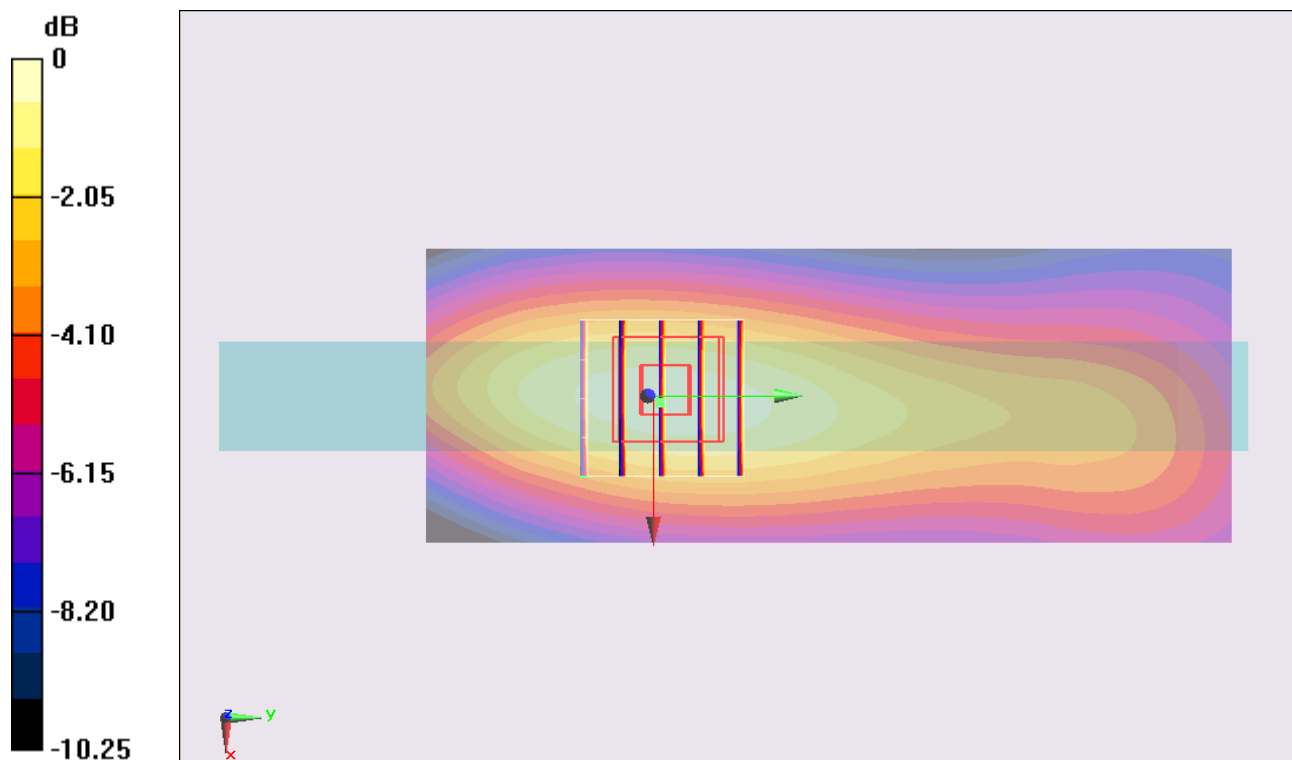
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.634 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.253 mW/g

**SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.193 mW/g



0 dB = 0.193 mW/g = -14.29 dB mW/g

### #52\_GSM850\_GPRS (2TX slots)\_Bottom Face\_0cm\_Ch189

**DUT: 312810**

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

Medium: MSL\_850\_130209 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.915 mW/g

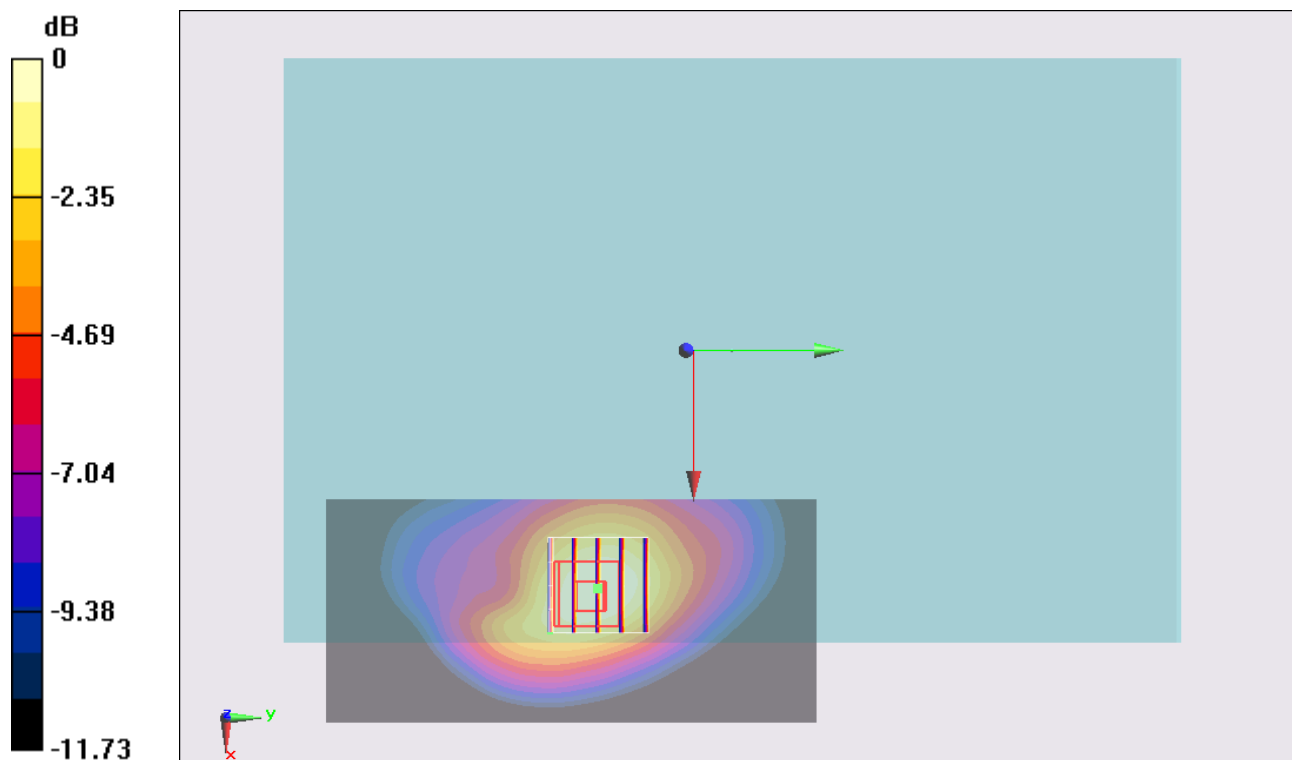
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.901 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.141 mW/g

**SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.500 mW/g**

Maximum value of SAR (measured) = 0.835 mW/g



0 dB = 0.835 mW/g = -1.57 dB mW/g

### #54\_GSM850\_GPRS (2TX slots)\_Bottom Face\_0cm\_Ch128

**DUT: 312810**

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

Medium: MSL\_850\_130209 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 54.666$ ;  $\rho$

$= 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.661 mW/g

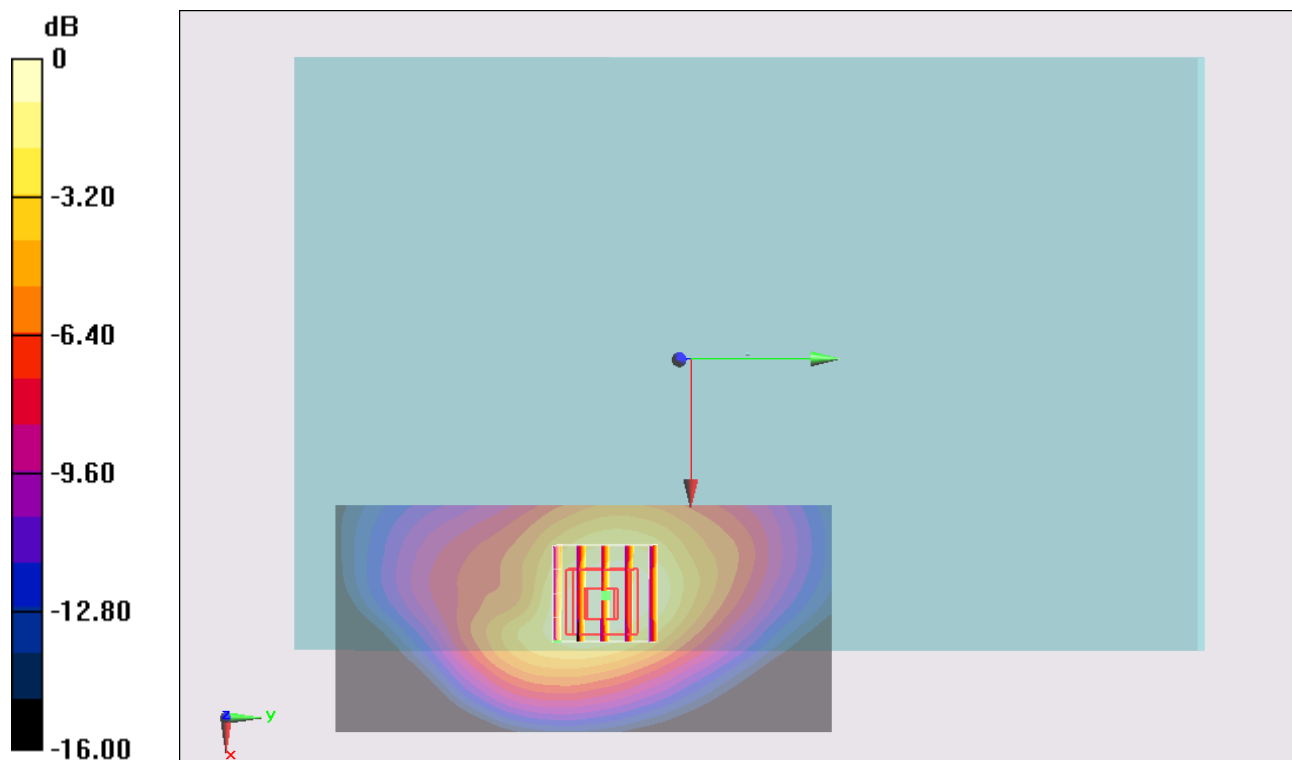
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.183 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.835 mW/g

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.594 mW/g



0 dB = 0.594 mW/g = -4.52 dB mW/g



### #55\_GSM850\_GPRS (2TX slots)\_Bottom Face\_0cm\_Ch251

**DUT: 312810**

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

Medium: MSL\_850\_130209 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.411$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.11 mW/g

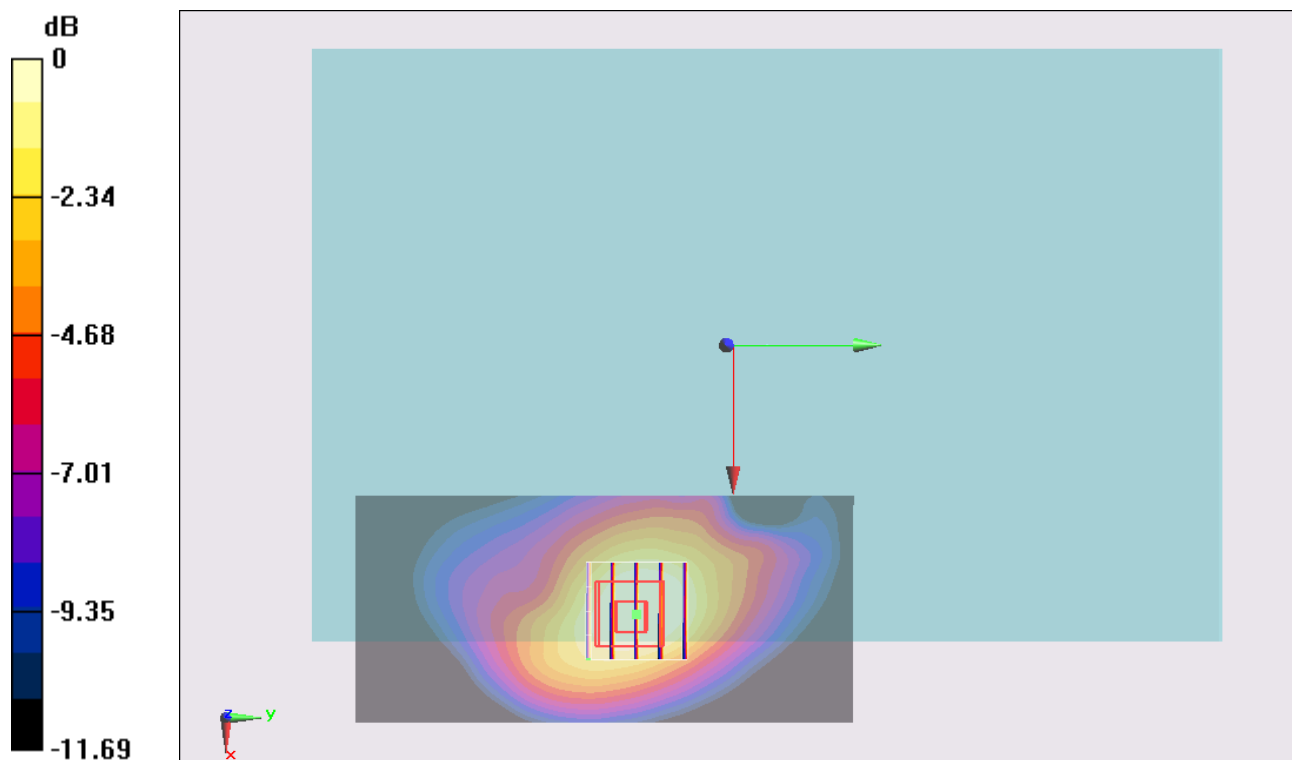
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.238 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 1.209 mW/g

**SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.543 mW/g**

Maximum value of SAR (measured) = 0.918 mW/g



0 dB = 0.918 mW/g = -0.74 dB mW/g

## #17\_GSM850\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch189

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.678$ ;  $\rho$

$= 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch189/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.27 mW/g

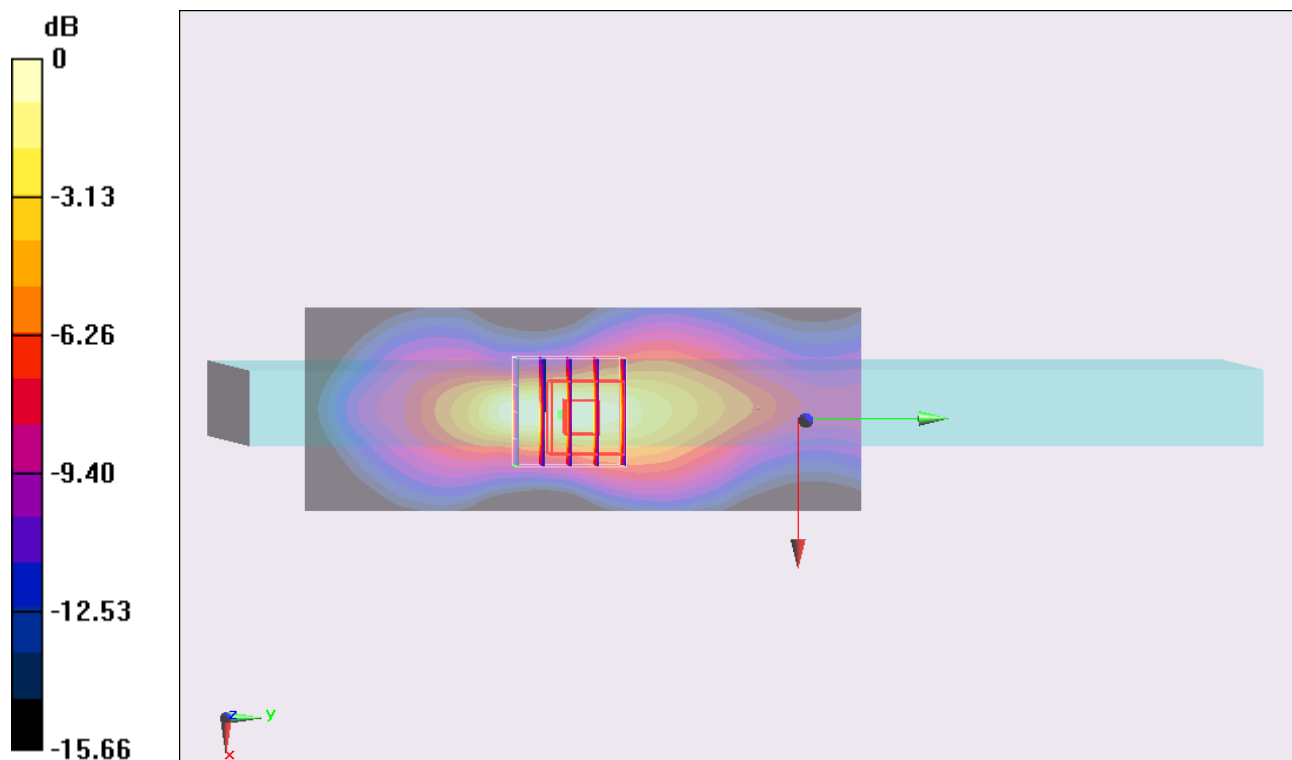
**Configuration/Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.997 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.137 mW/g

**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.500 mW/g**

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



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

## #18\_GSM850\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch128

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.943$  mho/m;  $\epsilon_r = 52.797$ ;  $\rho$

$= 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch128/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.23 mW/g

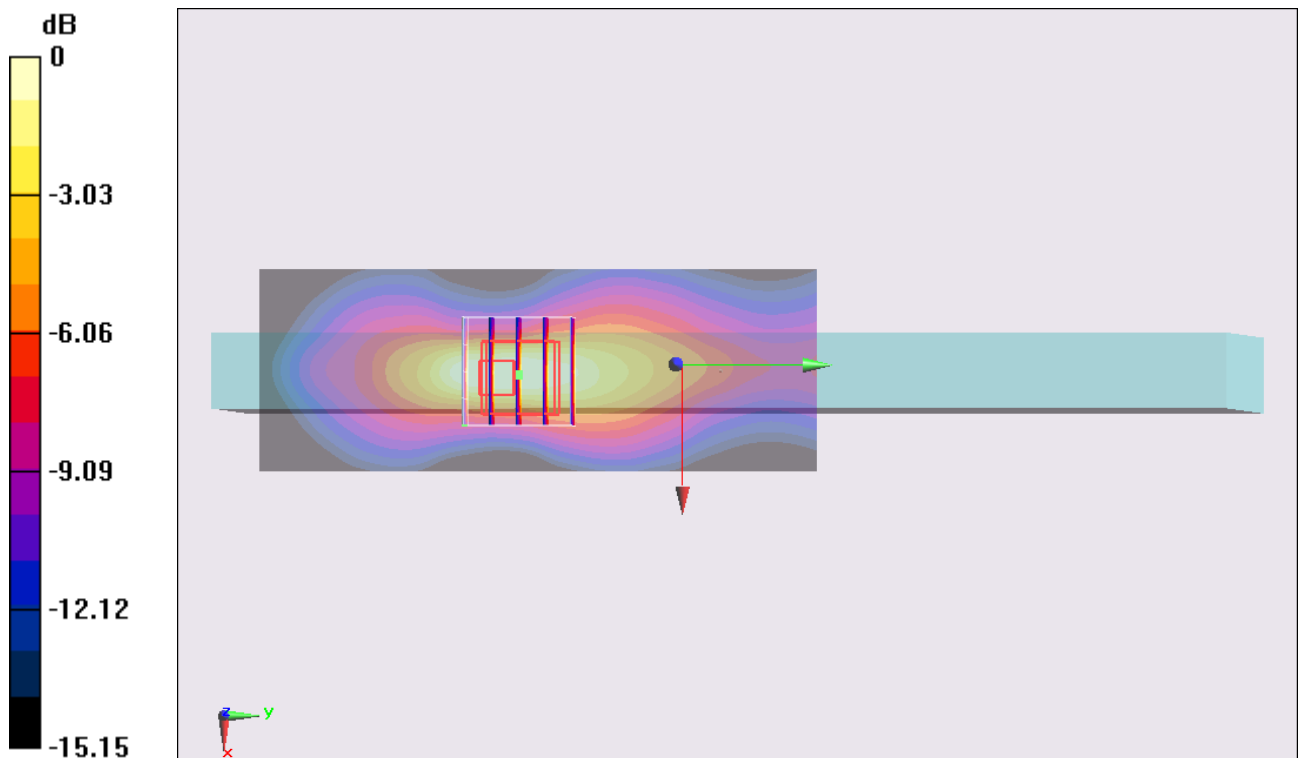
**Configuration/Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.016 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.269 mW/g

**SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.484 mW/g**

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



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

### #53\_GSM850\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch251

**DUT: 312810**

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

Medium: MSL\_850\_130209 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 54.411$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.20 mW/g

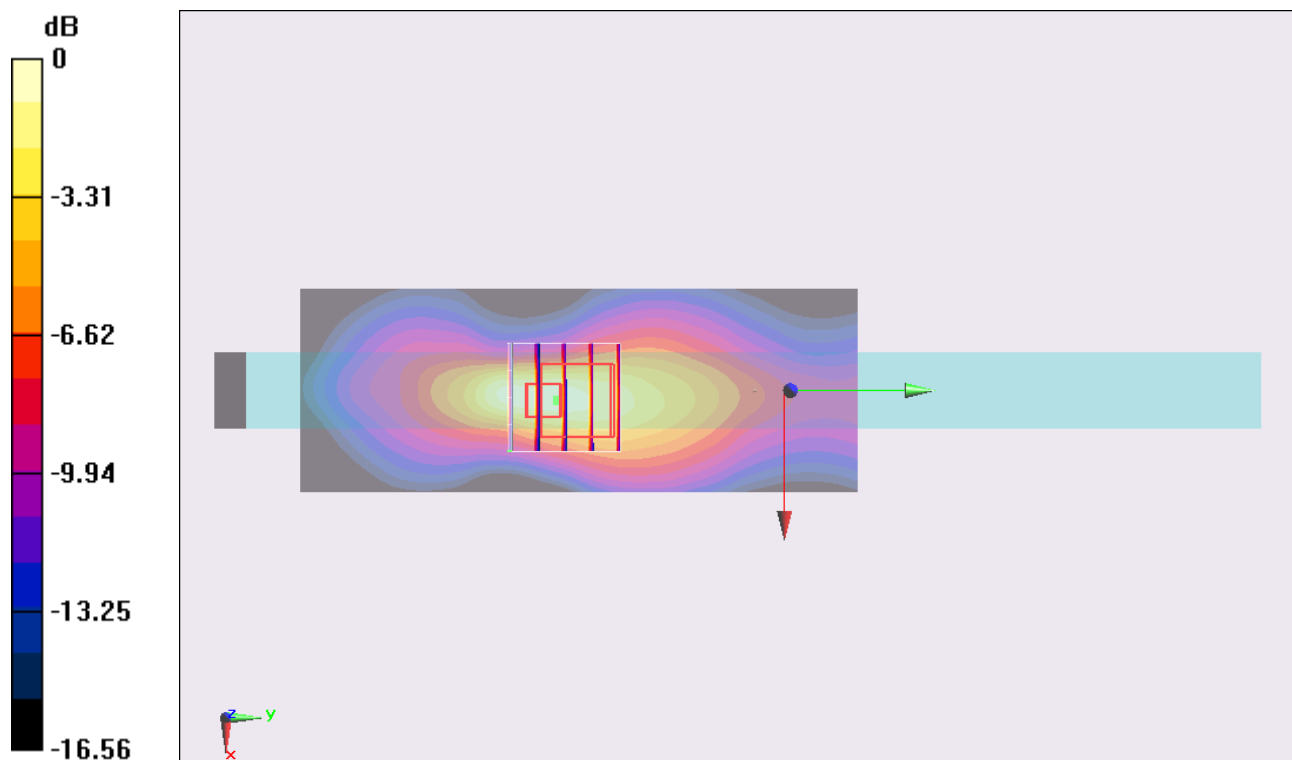
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.227 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 2.661 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.539 mW/g**

Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31 mW/g = 2.35 dB mW/g

### #19\_GSM850\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch251

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.969$  mho/m;  $\epsilon_r = 52.551$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch251/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.29 mW/g

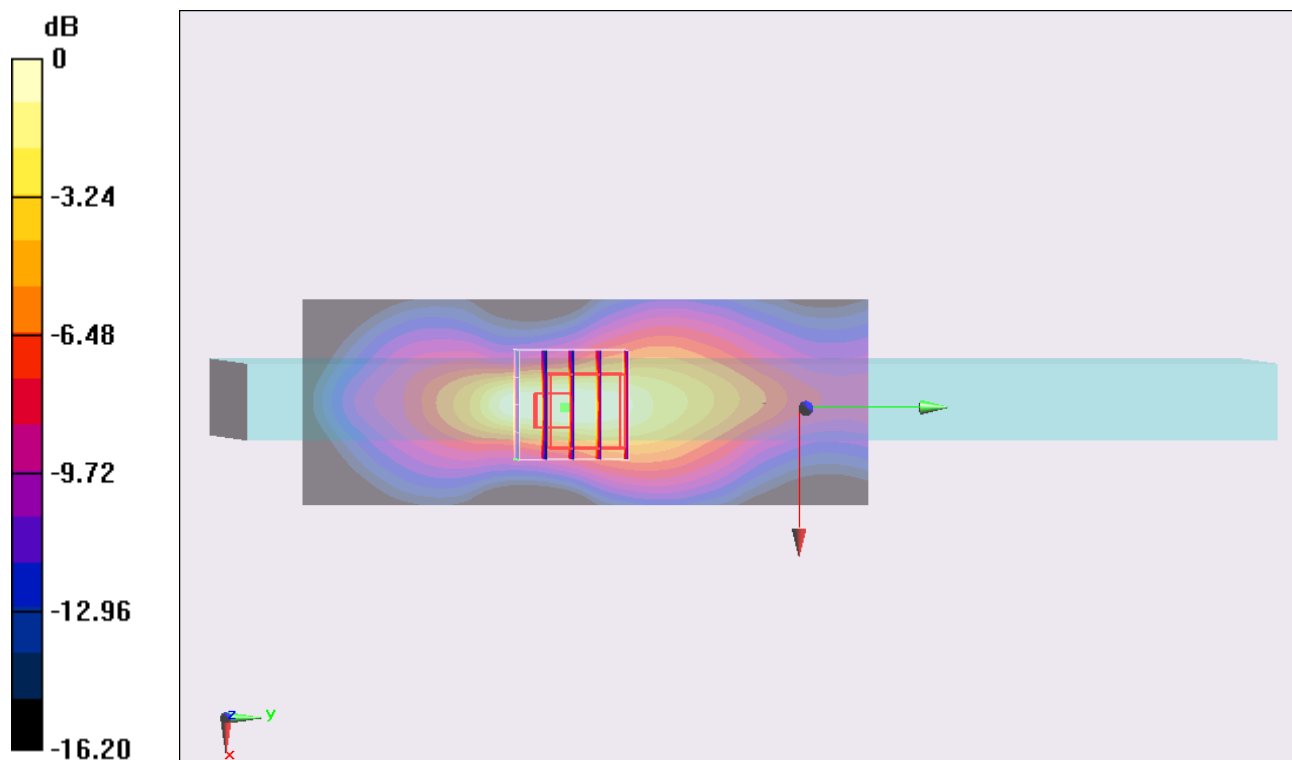
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.205 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.341 mW/g

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.513 mW/g**

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



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

## #24\_GSM1900\_GPRS (2TX slots)\_Bottom Face\_1cm\_Ch810

### DUT: 312810

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.557$  mho/m;  $\epsilon_r = 53.214$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.248 mW/g

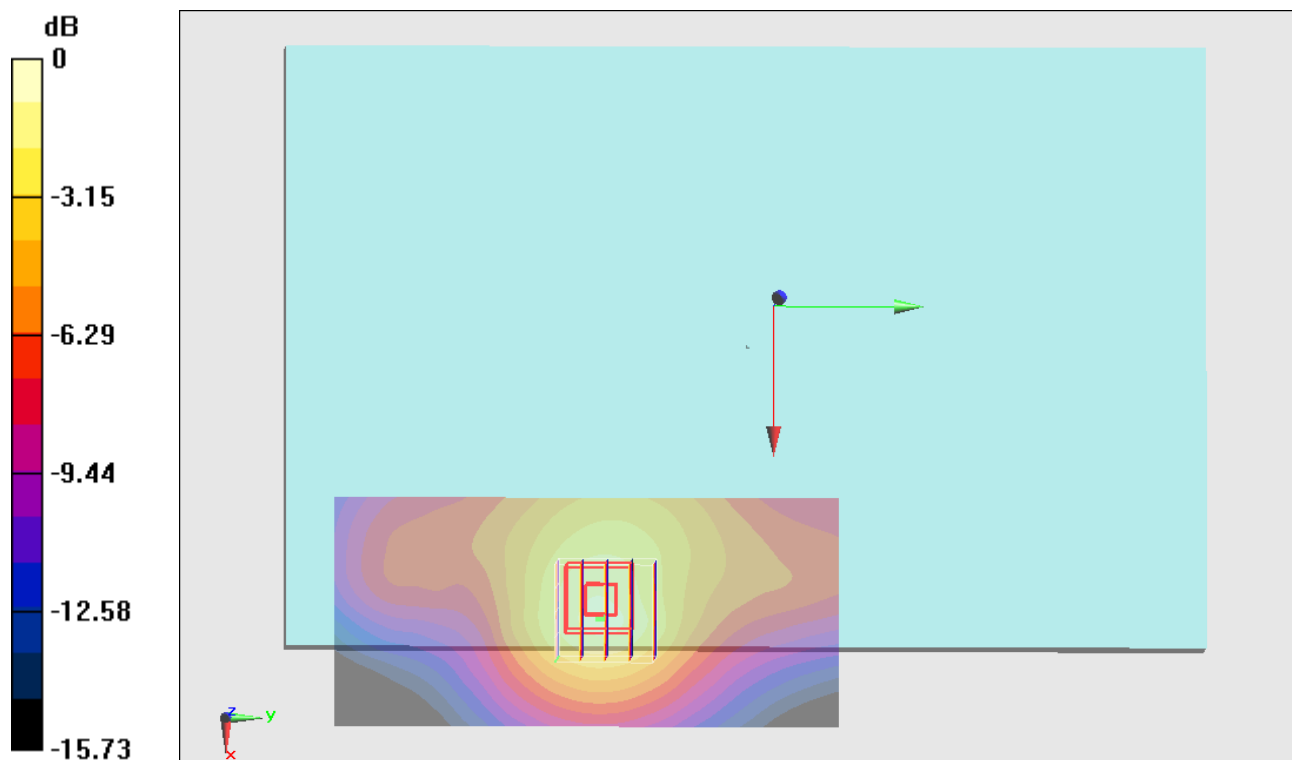
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.203 V/m; Power Drift = 0.172 dB

Peak SAR (extrapolated) = 0.425 mW/g

**SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.164 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g



0 dB = 0.291 mW/g = -10.72 dB mW/g

## #20\_GSM1900\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch810

### DUT: 312810

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.557$  mho/m;  $\epsilon_r = 53.214$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.875 mW/g

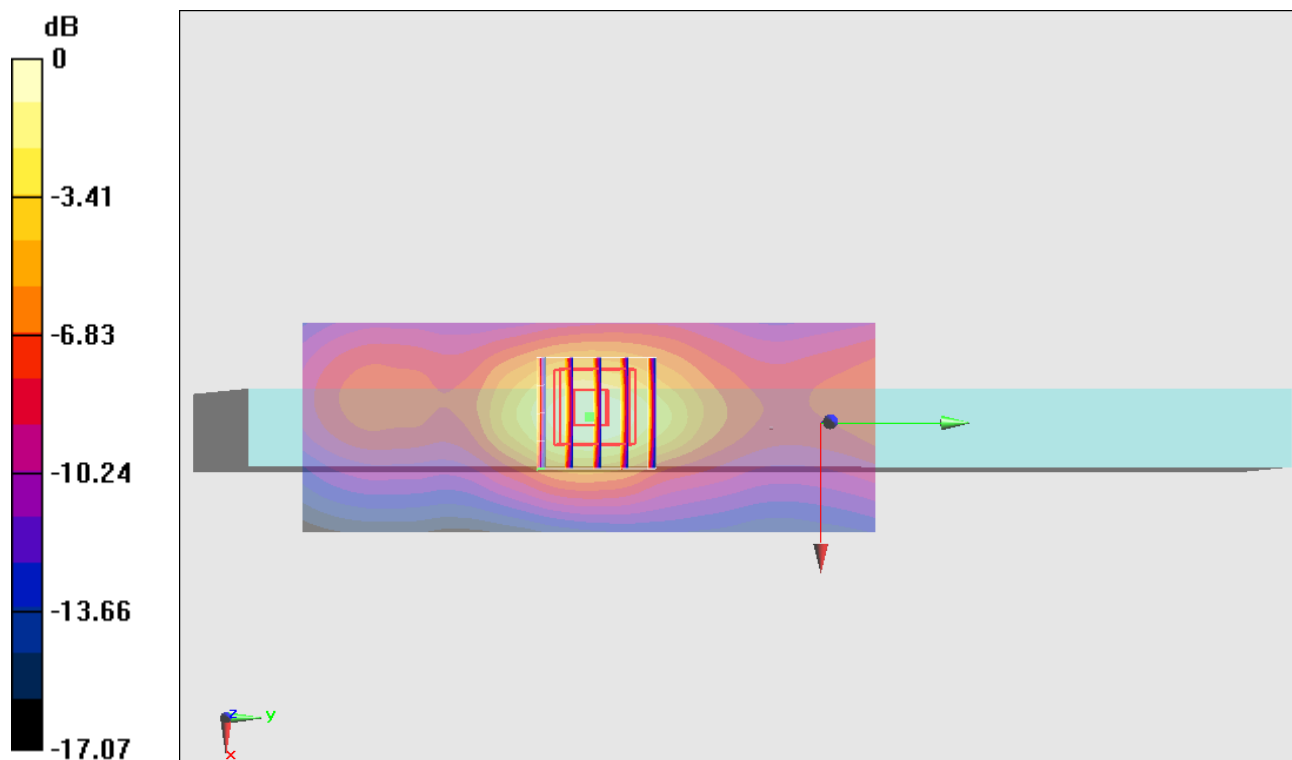
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.827 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.209 mW/g

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.425 mW/g**

Maximum value of SAR (measured) = 0.832 mW/g



0 dB = 0.832 mW/g = -1.60 dB mW/g

## #21\_GSM1900\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch512

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.488$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.06 mW/g

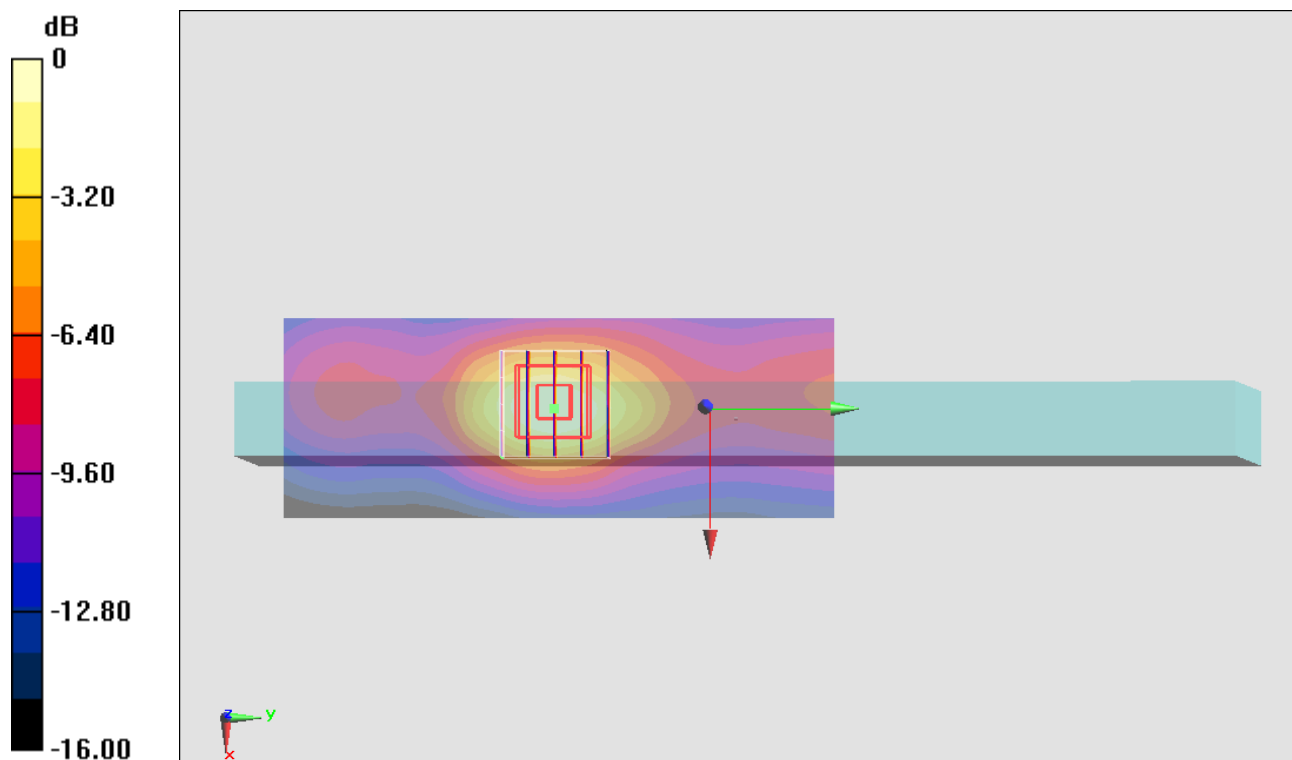
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.671 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.347 mW/g

**SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.509 mW/g**

Maximum value of SAR (measured) = 0.977 mW/g



0 dB = 0.977 mW/g = -0.20 dB mW/g



## #22\_GSM1900\_GPRS (2TX slots)\_Edge 1\_1.2cm\_Ch661

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.997 mW/g

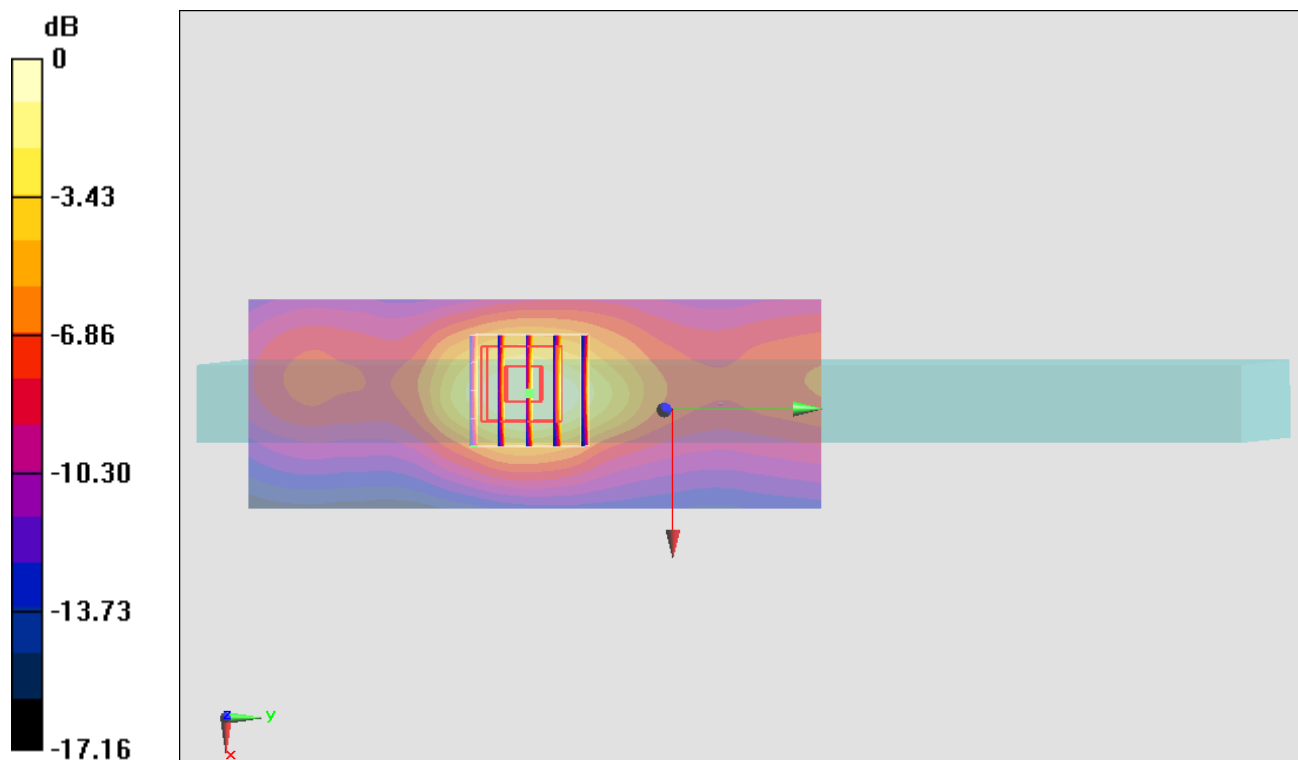
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.447 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.296 mW/g

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.456 mW/g**

Maximum value of SAR (measured) = 0.880 mW/g



0 dB = 0.880 mW/g = -1.11 dB mW/g

## #23\_GSM1900\_GPRS (2TX slots)\_Edge 4\_0cm\_Ch810

### DUT: 312810

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.557$  mho/m;  $\epsilon_r = 53.214$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (41x121x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.0450 mW/g

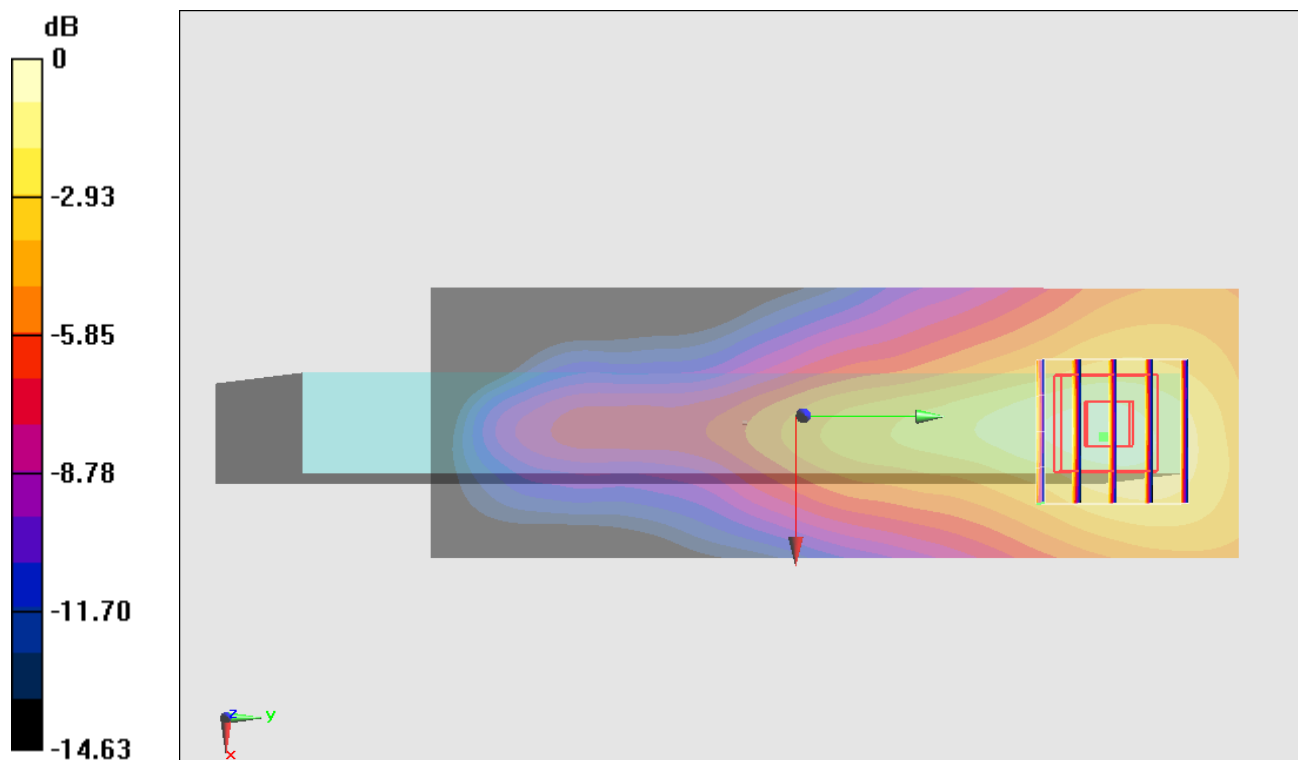
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.036 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.068 mW/g

**SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.0495 mW/g



0 dB = 0.0495 mW/g = -26.11 dB mW/g

## #25\_GSM1900\_GPRS (2TX slots)\_Bottom Face\_0cm\_Ch810

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.557$  mho/m;  $\epsilon_r = 53.214$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.805 mW/g

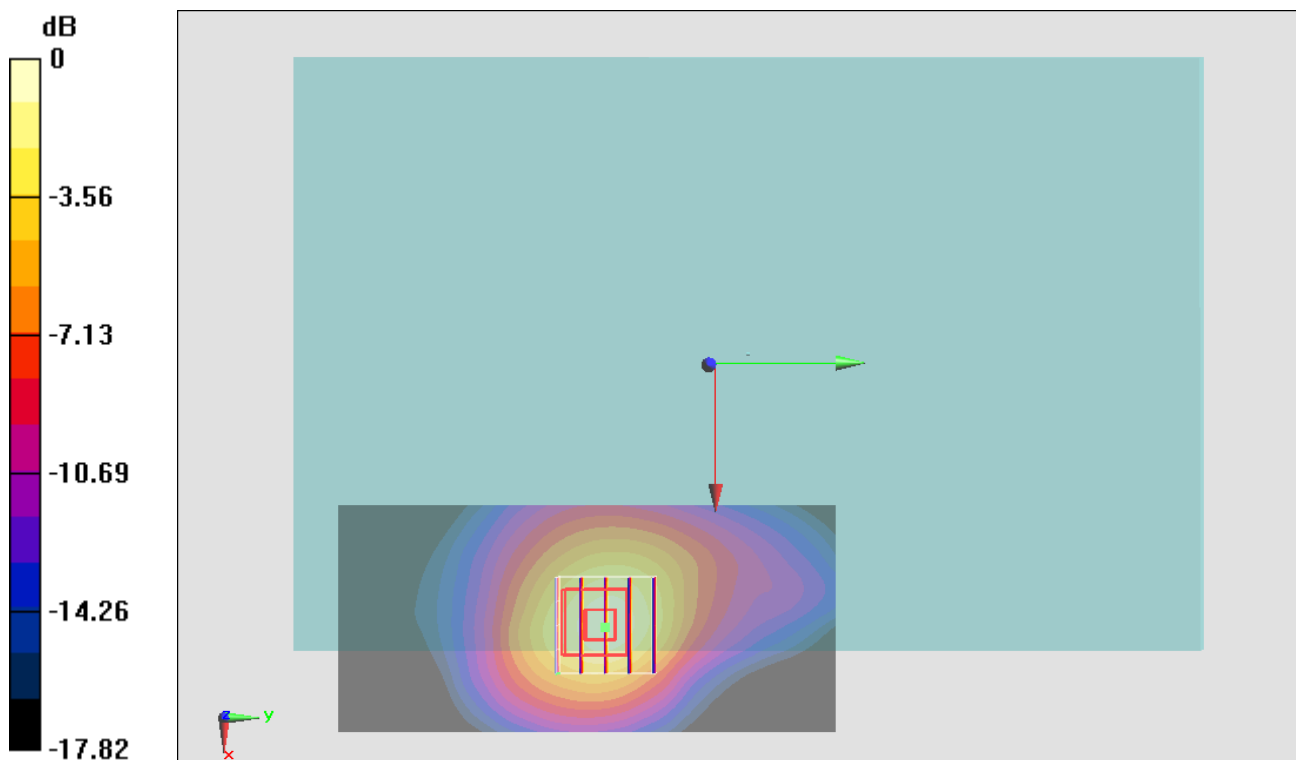
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.088 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.257 mW/g

**SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.407 mW/g**

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



0 dB = 0.827 mW/g = -1.65 dB mW/g

### #14\_GSM1900\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch810

#### DUT: 312810

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

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.514$  mho/m;  $\epsilon_r = 52.986$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch810/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.48 mW/g

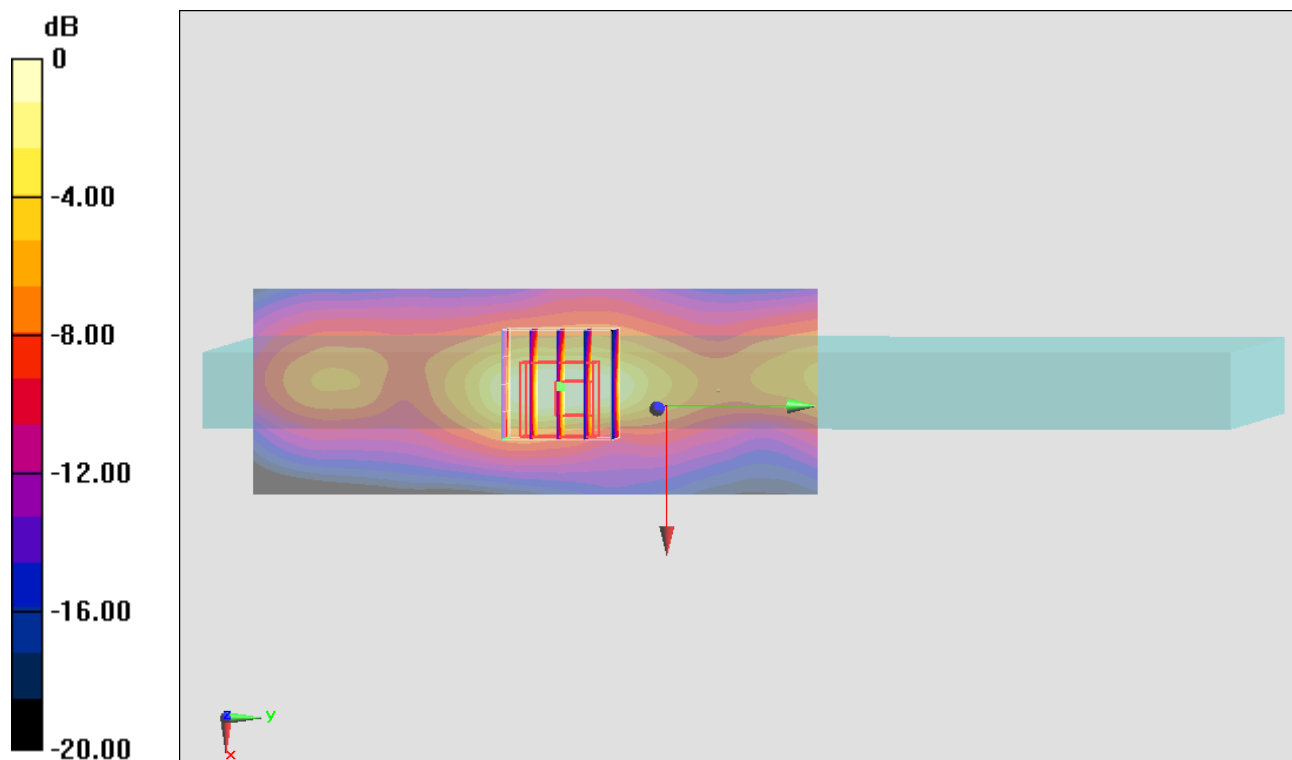
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.941 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.326 mW/g

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.596 mW/g**

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



0 dB = 1.25 mW/g = 1.94 dB mW/g

## #15\_GSM1900\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch512

### DUT: 312810

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

Medium: MSL\_1900\_130206 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.448$  mho/m;  $\epsilon_r = 53.19$ ;

$\rho = 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch512/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.35 mW/g

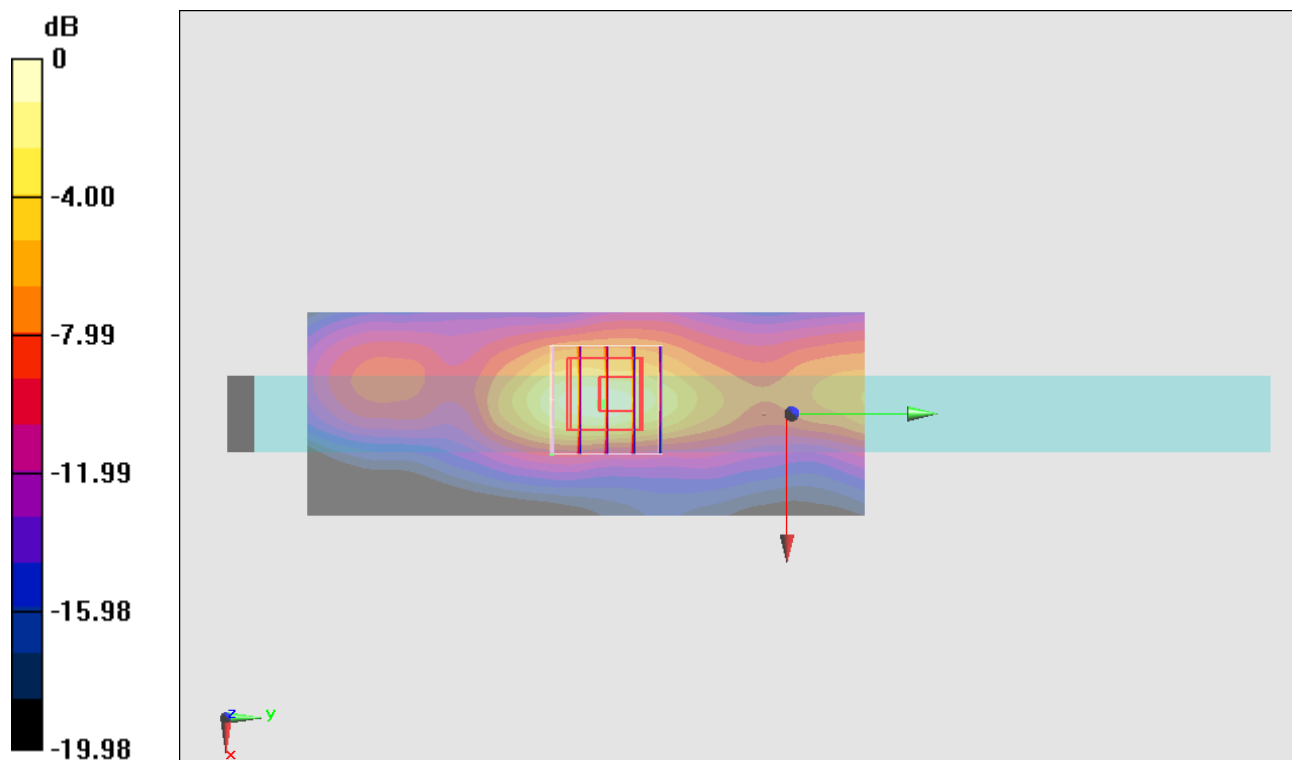
**Configuration/Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.258 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.354 mW/g

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.600 mW/g**

Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42 mW/g = 3.05 dB mW/g

## #26\_GSM1900\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch661

**DUT: 312810**

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

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.093$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.46 mW/g

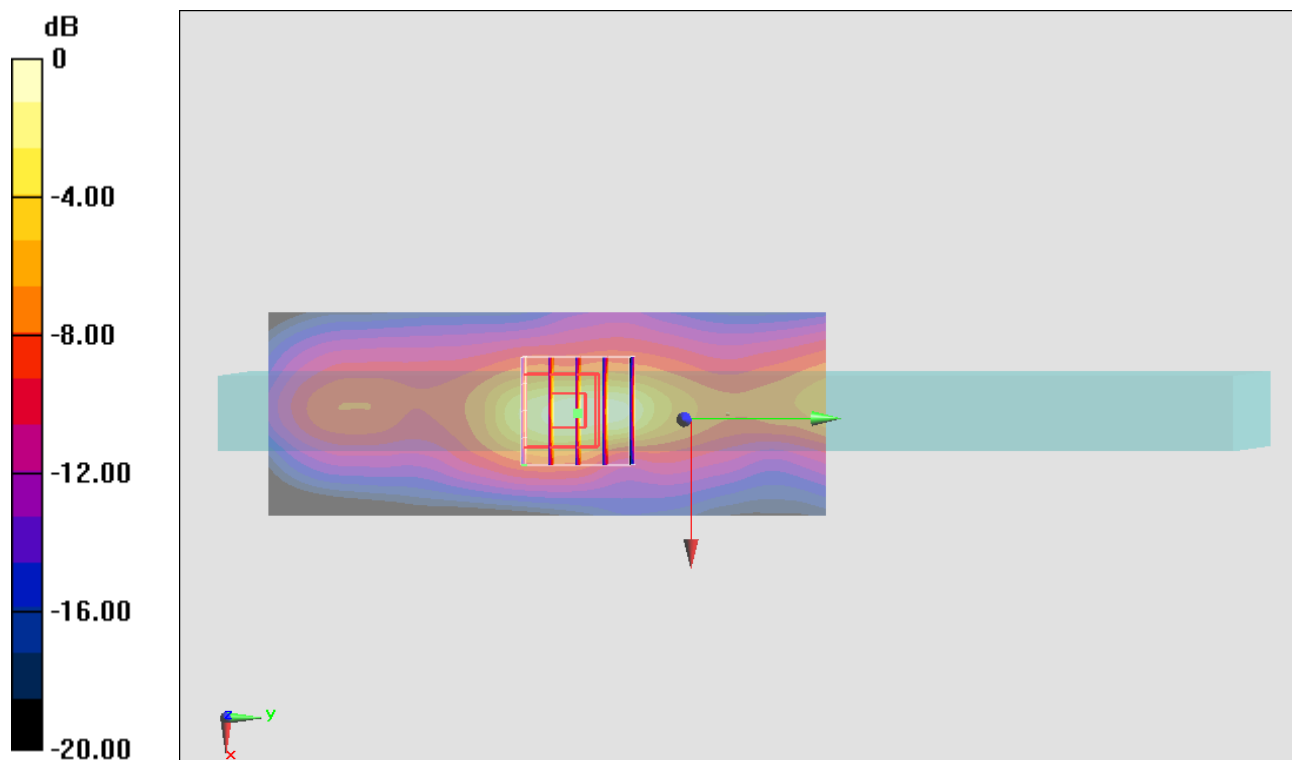
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.611 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 2.292 mW/g

**SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.676 mW/g**

Maximum value of SAR (measured) = 1.54 mW/g



0 dB = 1.54 mW/g = 3.75 dB mW/g

### #16\_GSM1900\_GPRS (2TX slots)\_Edge 1\_0cm\_Ch661

**DUT: 312810**

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

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.093$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch661/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.39 mW/g

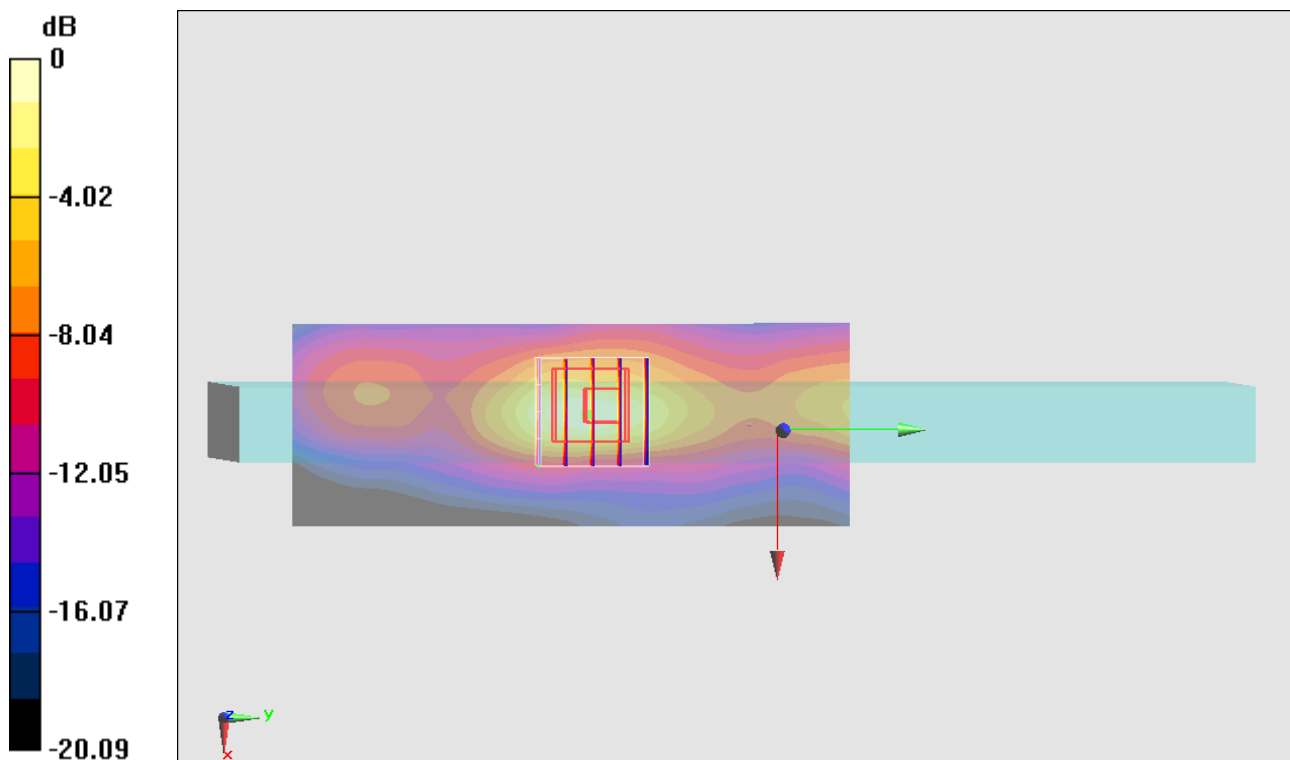
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.969 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.354 mW/g

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.44 mW/g



0 dB = 1.44 mW/g = 3.17 dB mW/g

## #65\_WCDMA V\_RMC 12.2Kbps\_Bottom Face\_1cm\_Ch4132

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.236 mW/g

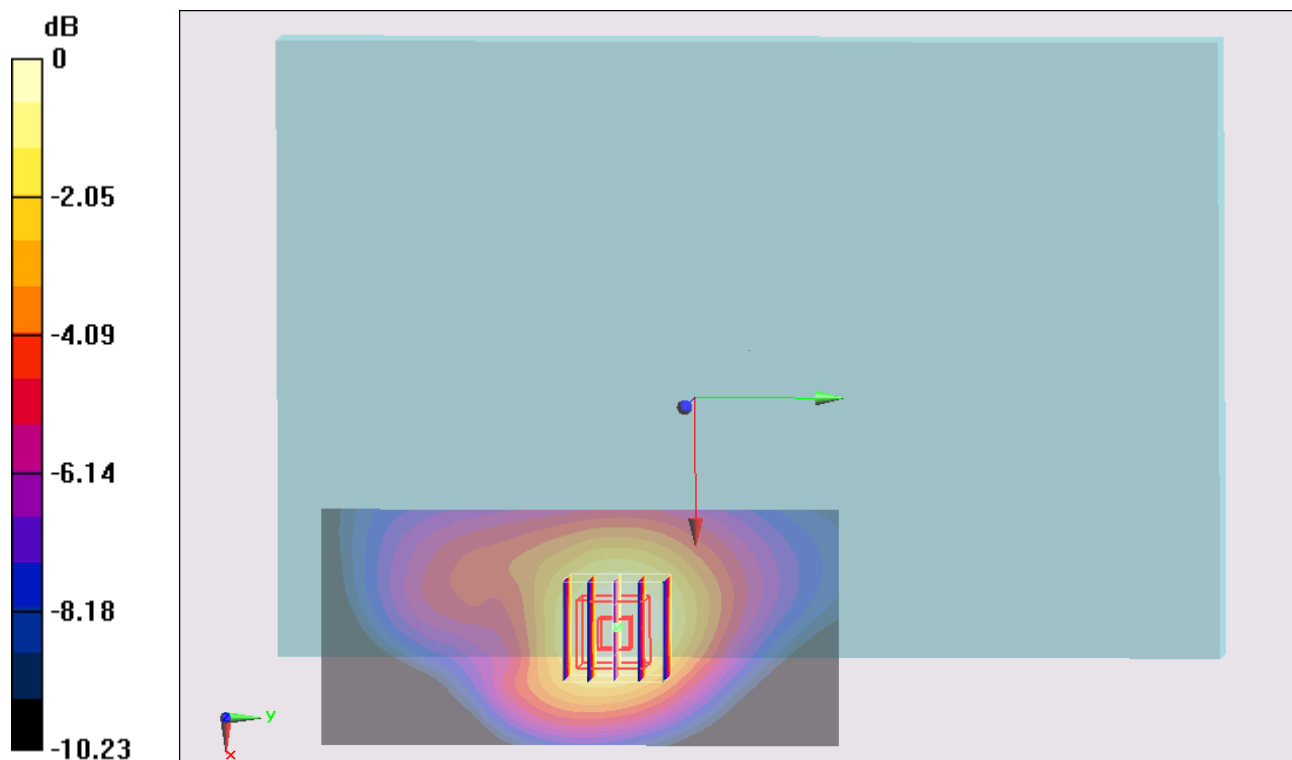
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.850 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.271 mW/g

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.215 mW/g



0 dB = 0.215 mW/g = -13.35 dB mW/g



### #66\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch4132

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.245 mW/g

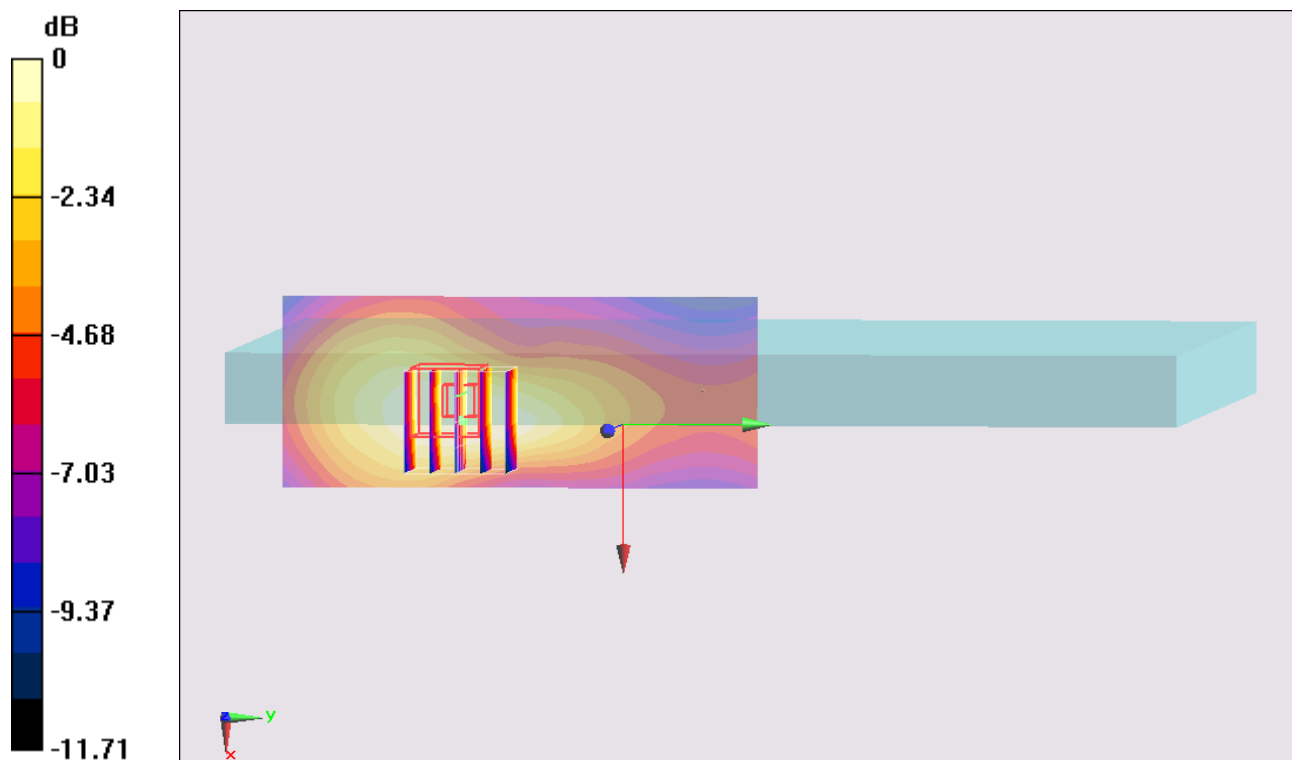
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.263 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.294 mW/g

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g



0 dB = 0.222 mW/g = -13.07 dB mW/g

### #67\_WCDMA V\_RMC 12.2Kbps\_Edge 4\_0cm\_Ch4132

**DUT: 312810**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
 Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

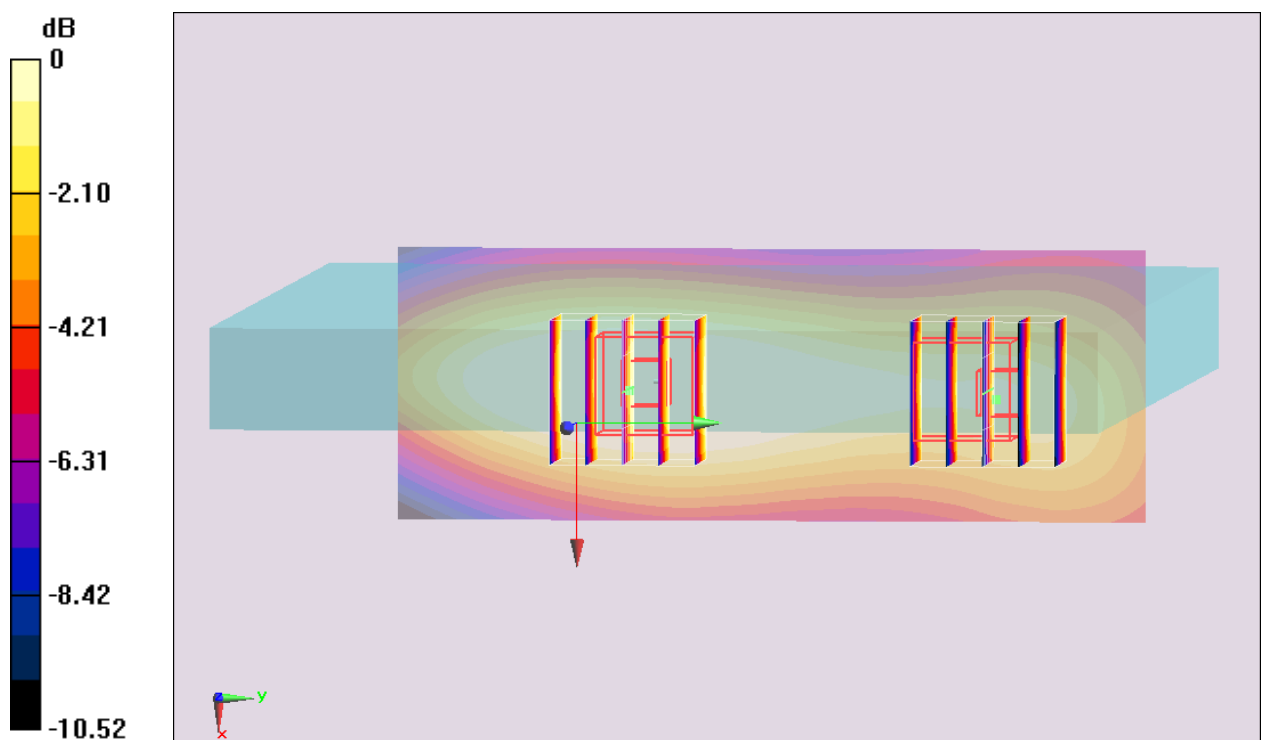
DASY5 Configuration:

- 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.0687 mW/g

**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 8.987 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 0.091 mW/g  
**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.044 mW/g**  
 Maximum value of SAR (measured) = 0.0712 mW/g

**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 8.987 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 0.078 mW/g  
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.031 mW/g**  
 Maximum value of SAR (measured) = 0.0529 mW/g



0 dB = 0.0529 mW/g = -25.53 dB mW/g

## #68\_WCDMA V\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch4132

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.713 mW/g

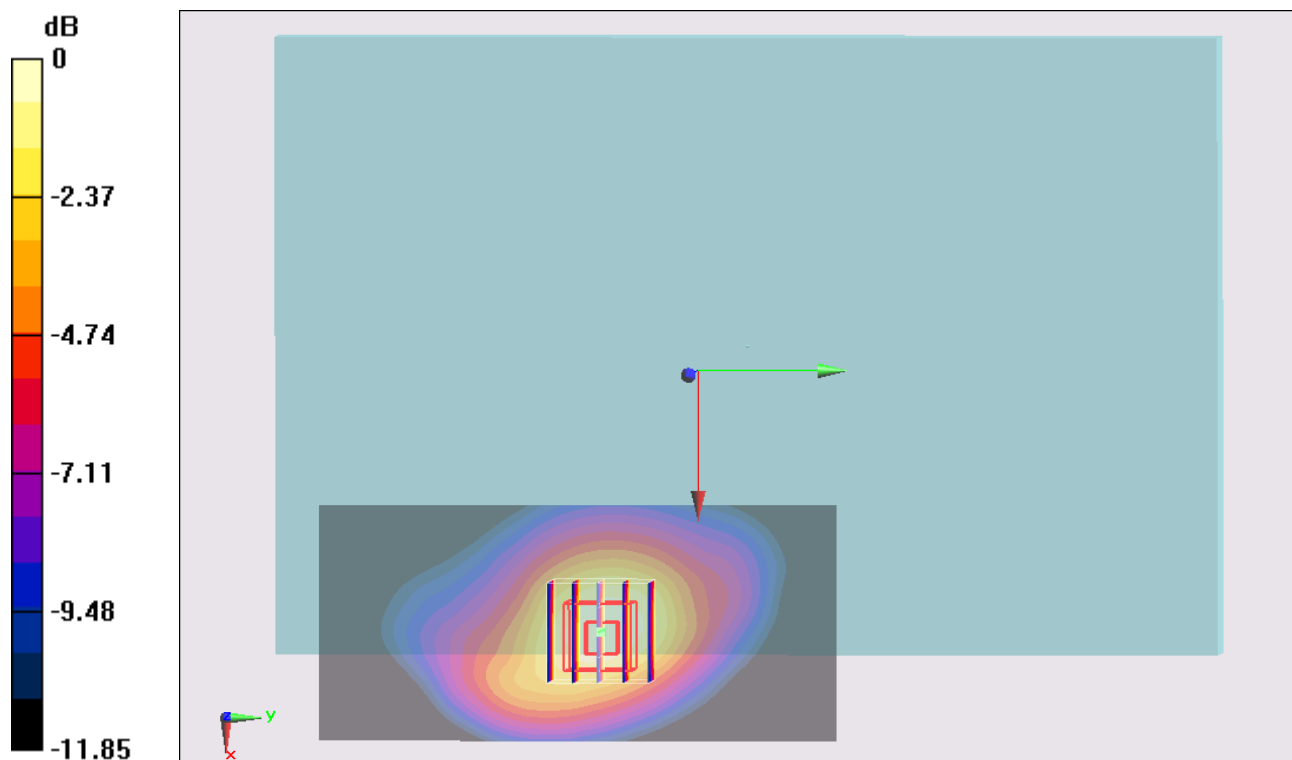
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.993 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.925 mW/g

**SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 0.661 mW/g



0 dB = 0.661 mW/g = -3.60 dB mW/g

### #07\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch4132

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used :  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.946 \text{ mho/m}$ ;  $\epsilon_r = 52.774$ ;  $\rho$

$= 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $1.18 \text{ mW/g}$

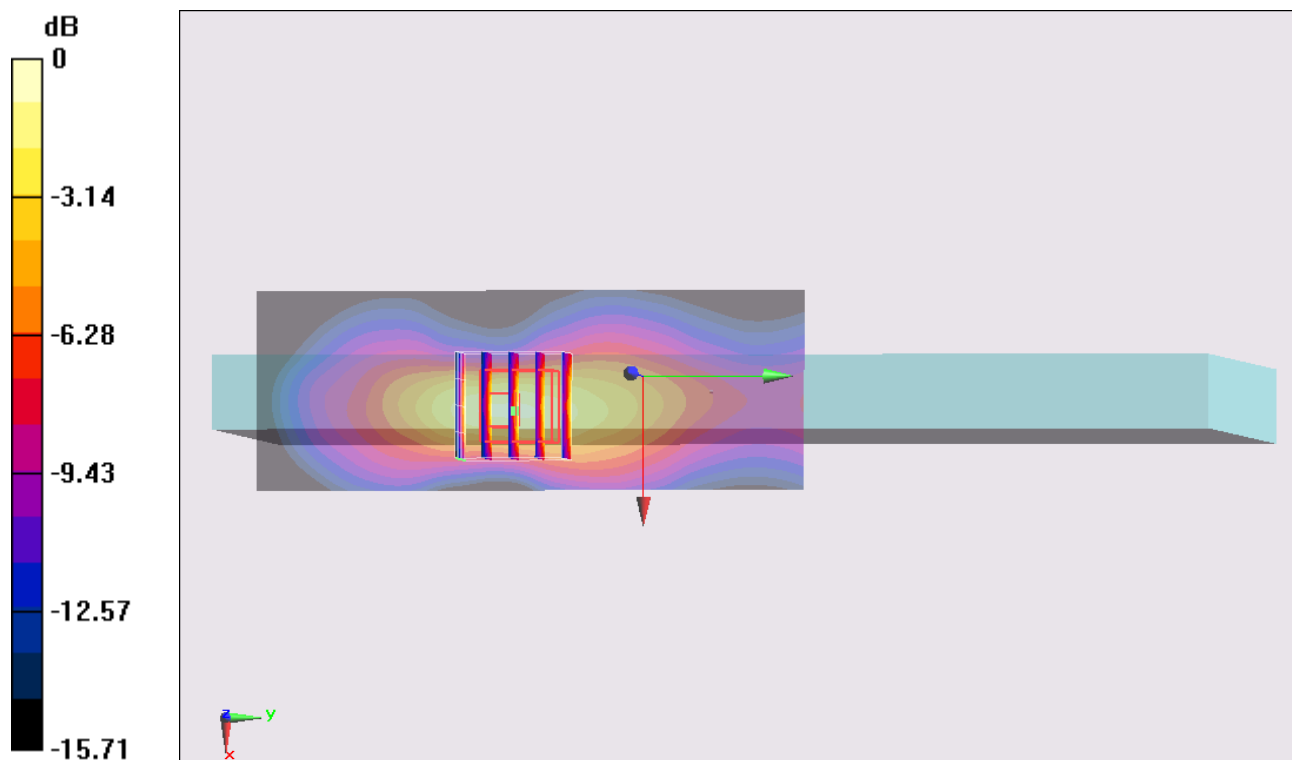
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $39.462 \text{ V/m}$ ; Power Drift =  $0.16 \text{ dB}$

Peak SAR (extrapolated) =  $2.668 \text{ mW/g}$

**SAR(1 g) =  $1.19 \text{ mW/g}$ ; SAR(10 g) =  $0.596 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.42 \text{ mW/g}$



0 dB =  $1.42 \text{ mW/g} = 3.05 \text{ dB mW/g}$

### #08\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch4182

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 52.678$ ;  $\rho$

$= 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.22 mW/g

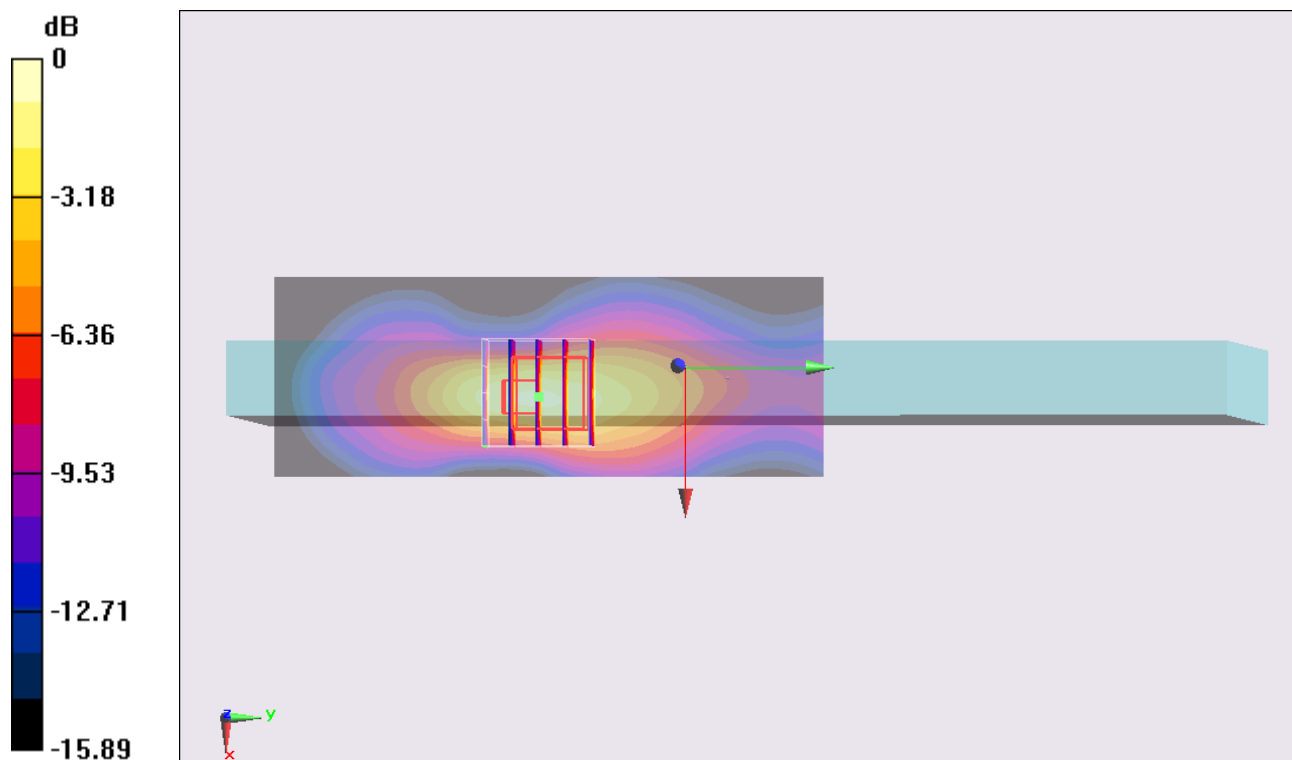
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.027 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.730 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.605 mW/g**

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



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

### #75\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch4182;Repeat

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho =$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.31 mW/g

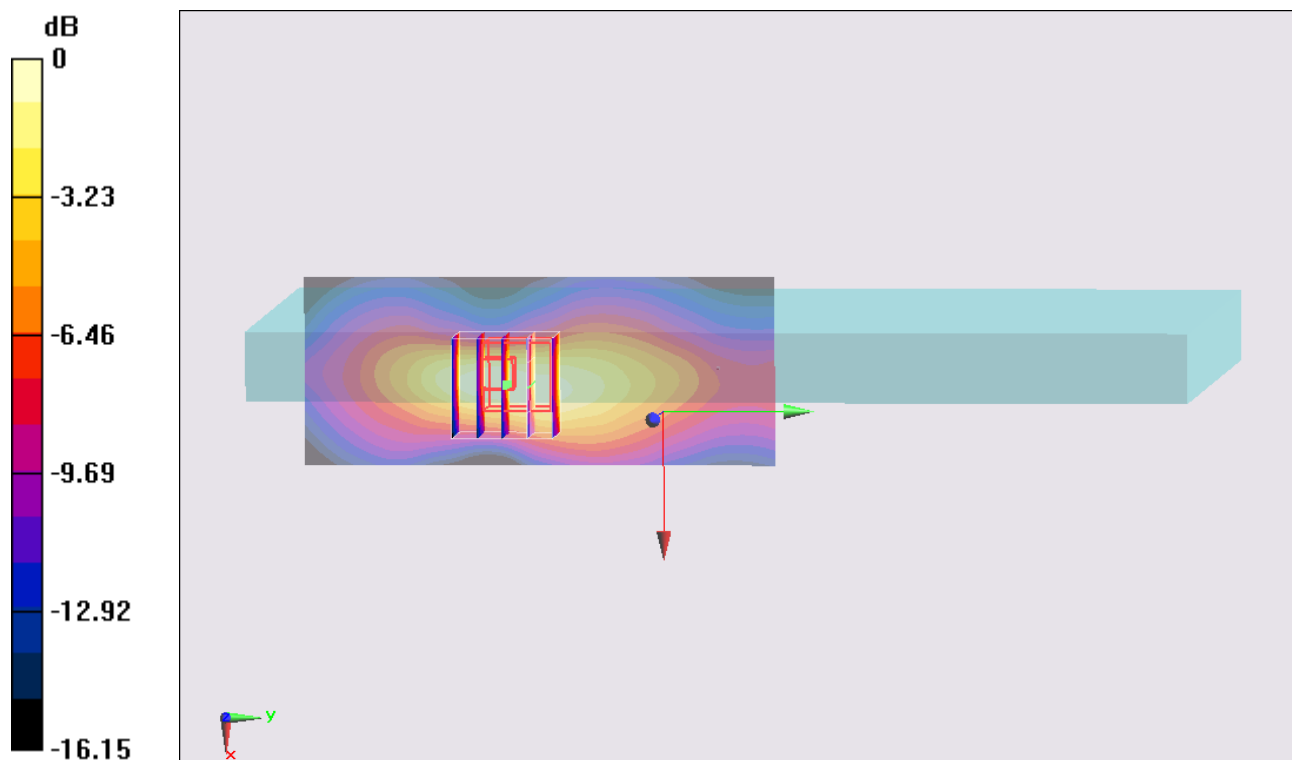
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.801 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.442 mW/g

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.572 mW/g**

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



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

### #09\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch4233

**DUT: 312810**

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

Medium: MSL\_850\_130206 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 52.566$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.15 mW/g

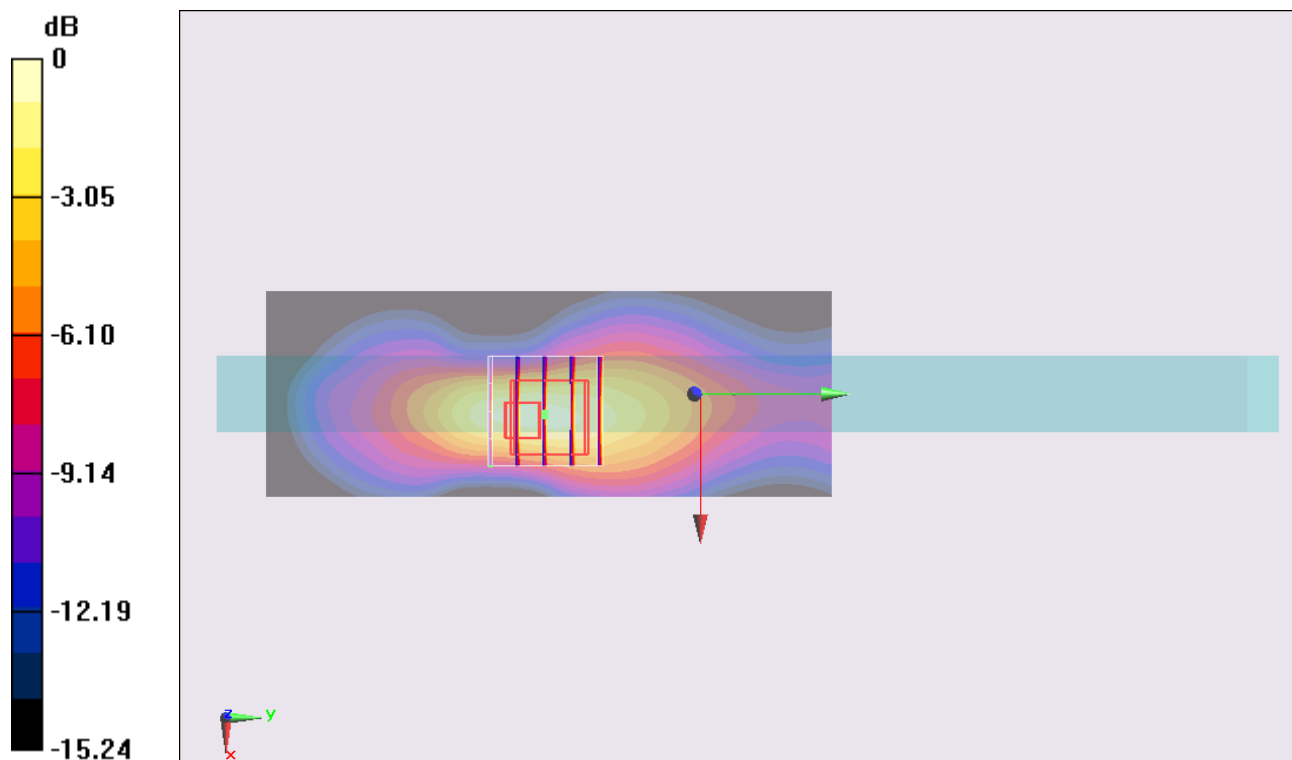
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.636 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 2.798 mW/g

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.601 mW/g**

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



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

## #69\_WCDMA V\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch4132

### DUT: 312810

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho$

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

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.956 mW/g

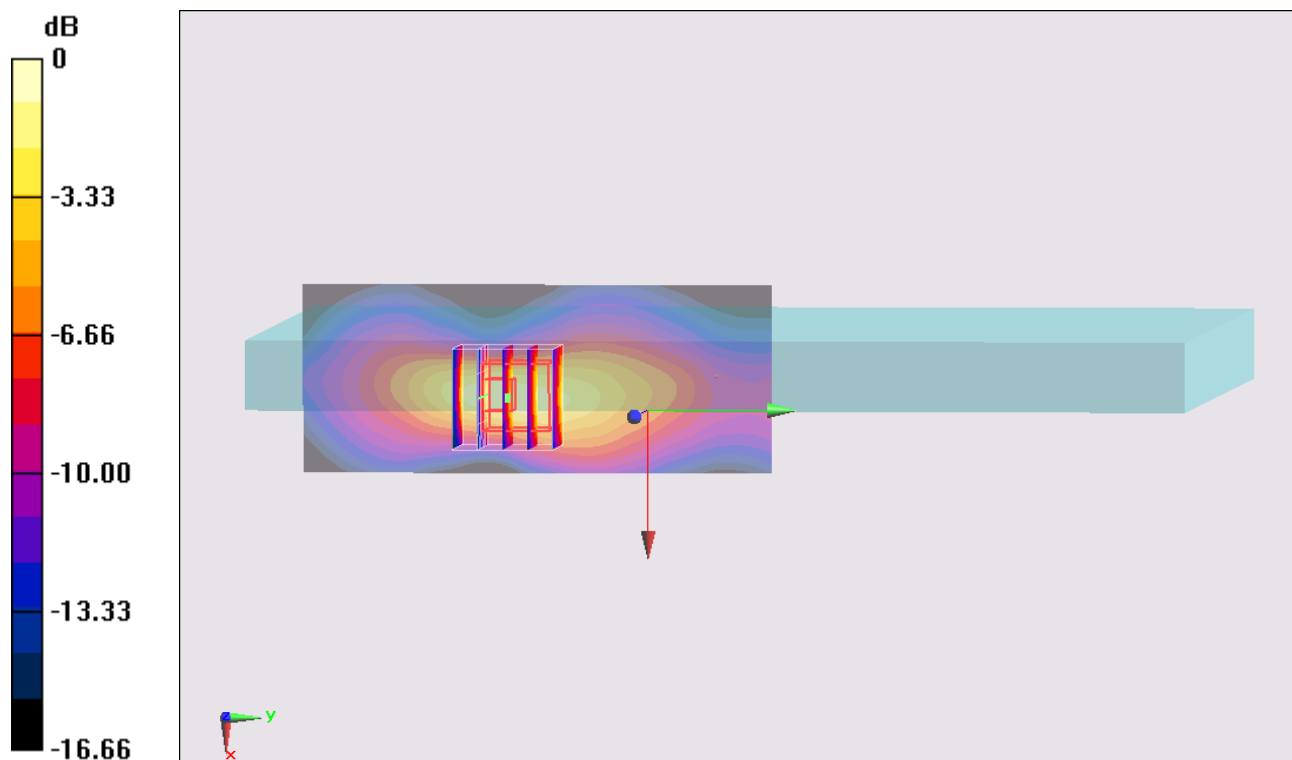
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.700 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.222 mW/g

**SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.477 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21 mW/g = 1.66 dB mW/g



## #70\_WCDMA V\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch4182

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho =$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.975 mW/g

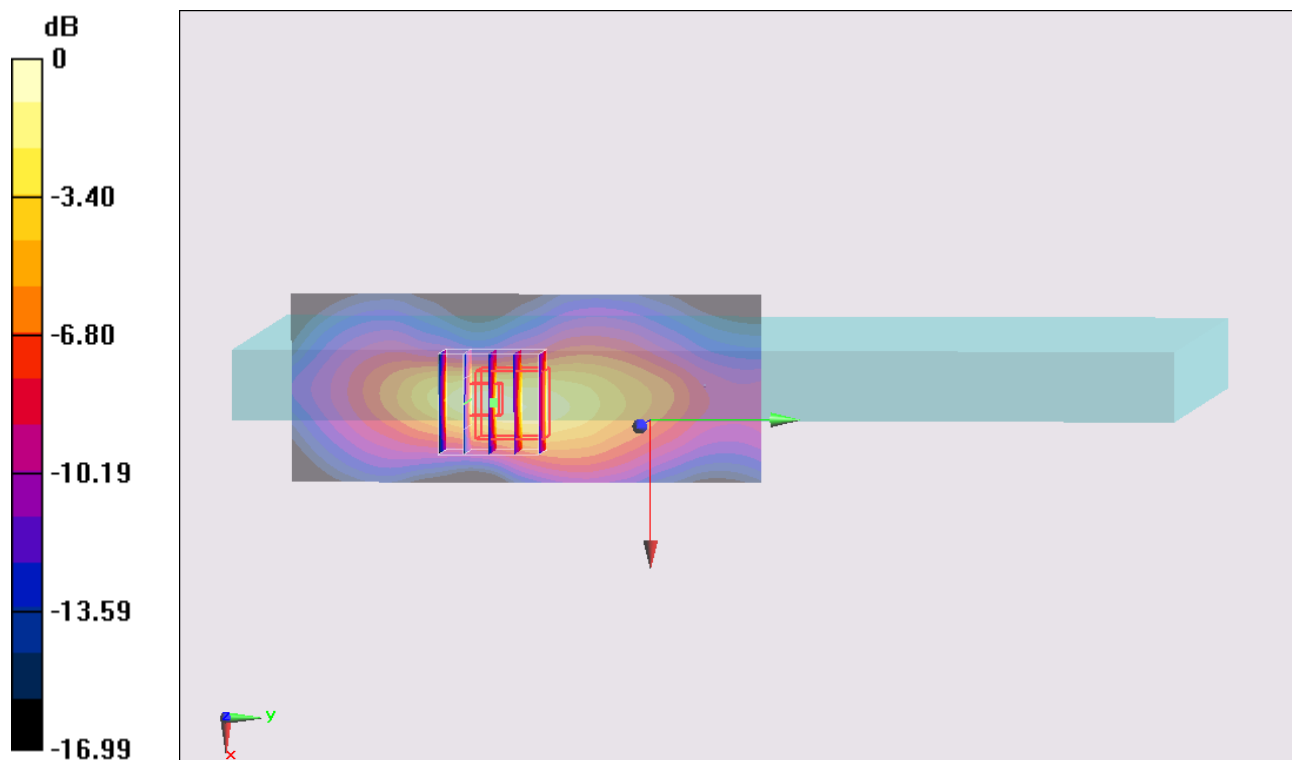
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.723 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.220 mW/g

**SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.456 mW/g**

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12 mW/g = 0.98 dB mW/g

### #71\_WCDMA V\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch4233

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.591$ ;  $\rho =$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.941 mW/g

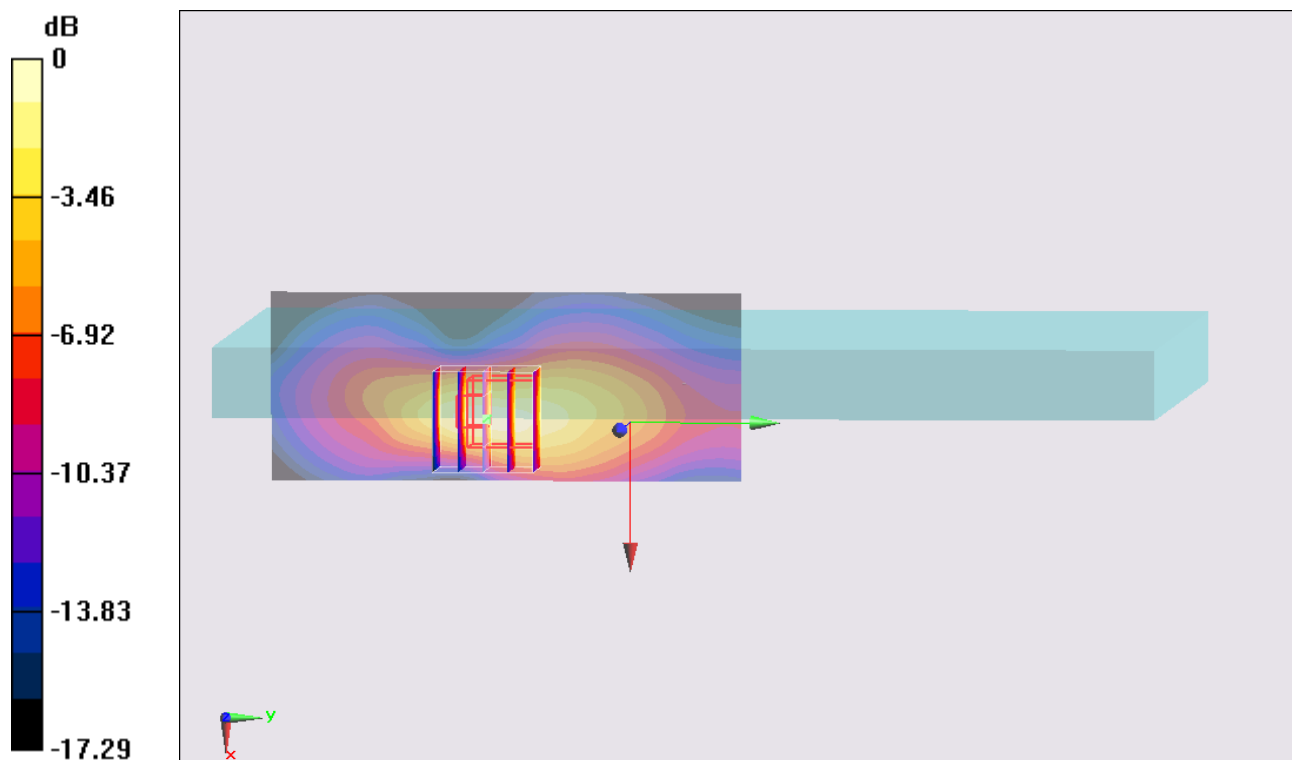
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.884 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.332 mW/g

**SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.442 mW/g**

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



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

## #72\_WCDMA V\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch4132

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.945$  mho/m;  $\epsilon_r = 52.793$ ;  $\rho$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4132/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.13 mW/g

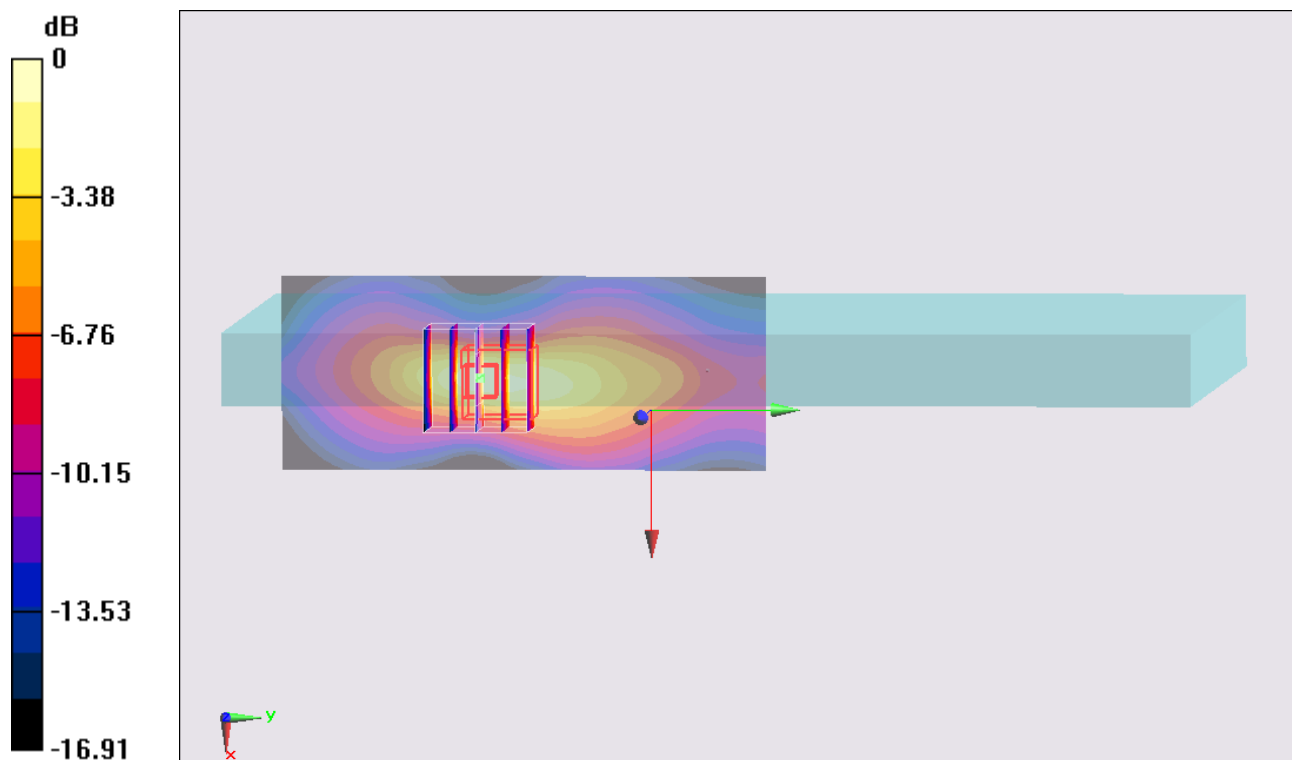
**Configuration/Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.857 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.292 mW/g

**SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.453 mW/g**

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



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

### #73\_WCDMA V\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch4182

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho =$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4182/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.964 mW/g

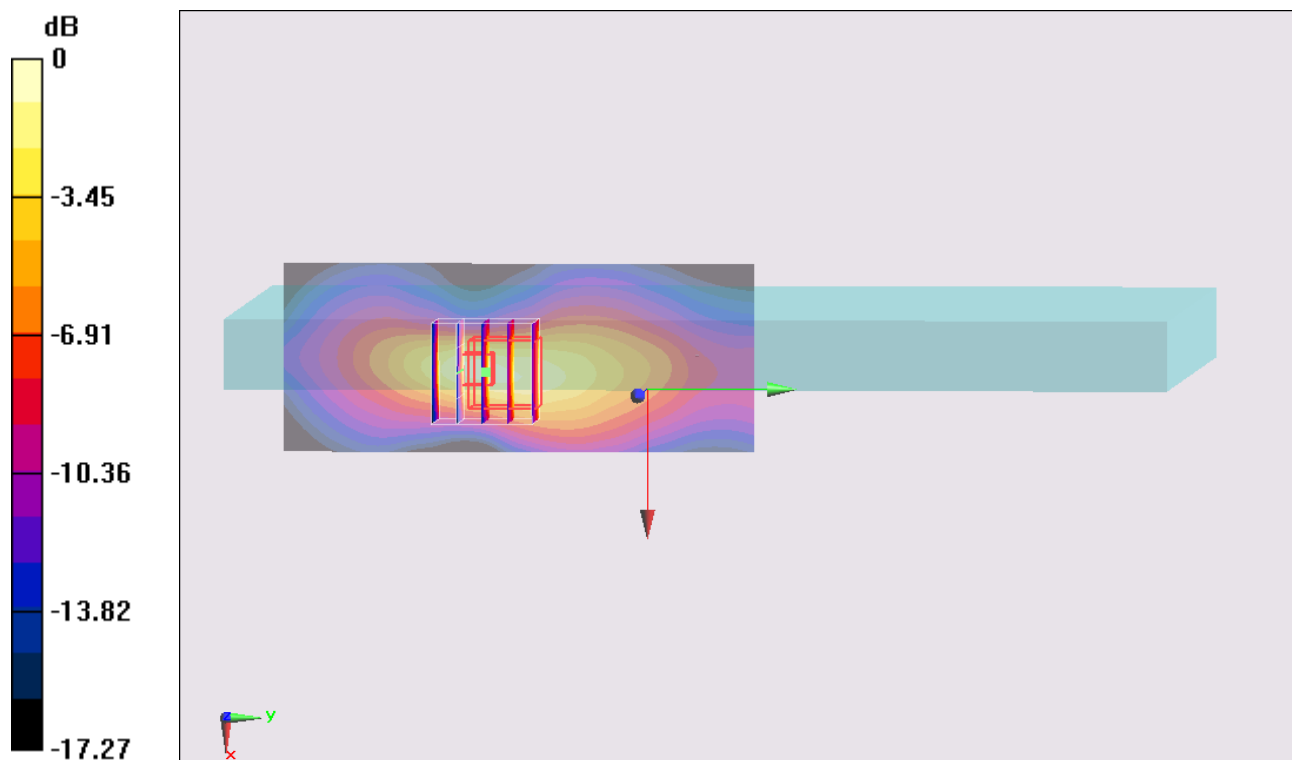
**Configuration/Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.061 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.202 mW/g

**SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.436 mW/g**

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



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

### #74\_WCDMA V\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch4233

**DUT: 312810**

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

Medium: MSL\_850\_130213 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.591$ ;  $\rho =$

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

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.7 °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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.03 mW/g

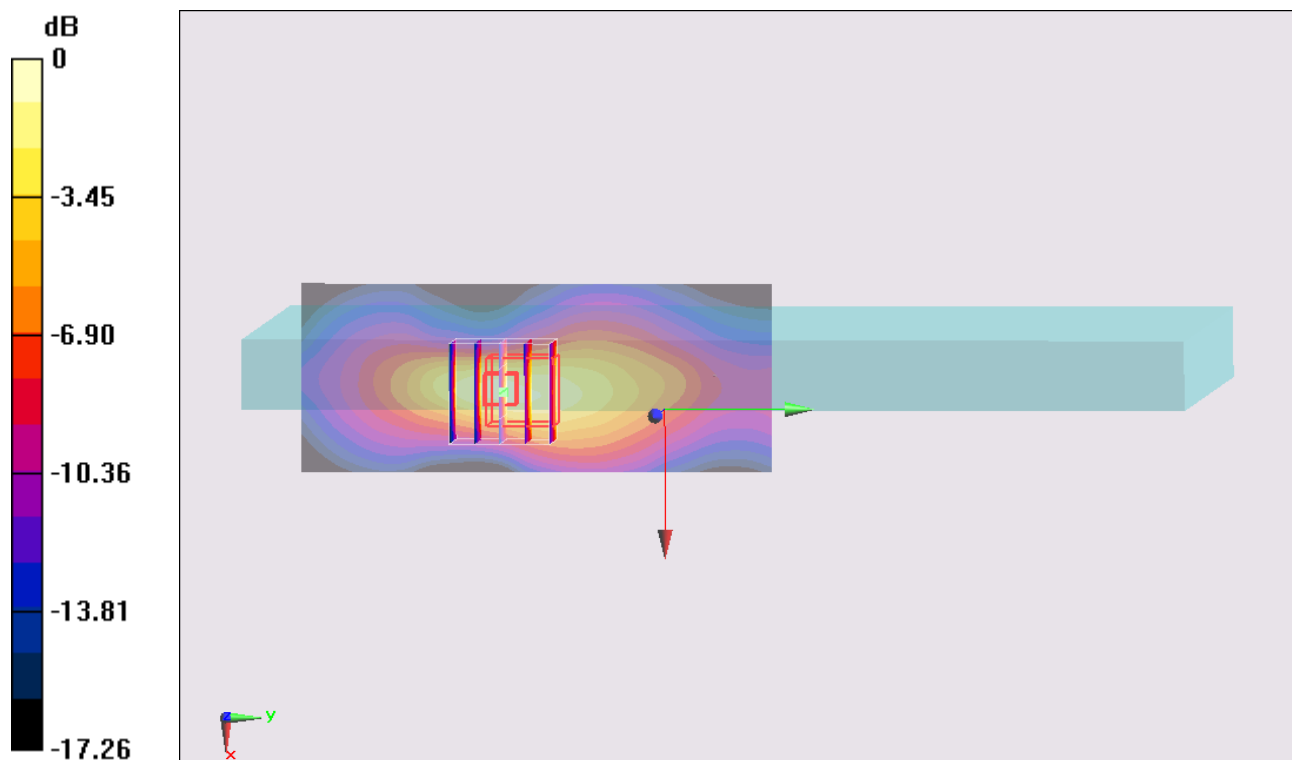
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.647 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.231 mW/g

**SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.477 mW/g**

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



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

### #81\_WCDMA IV\_RMC 12.2Kbps\_Bottom Face\_1cm\_Ch1312

**DUT: 312810**

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

Medium: MSL\_1750\_130220 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.434 mW/g

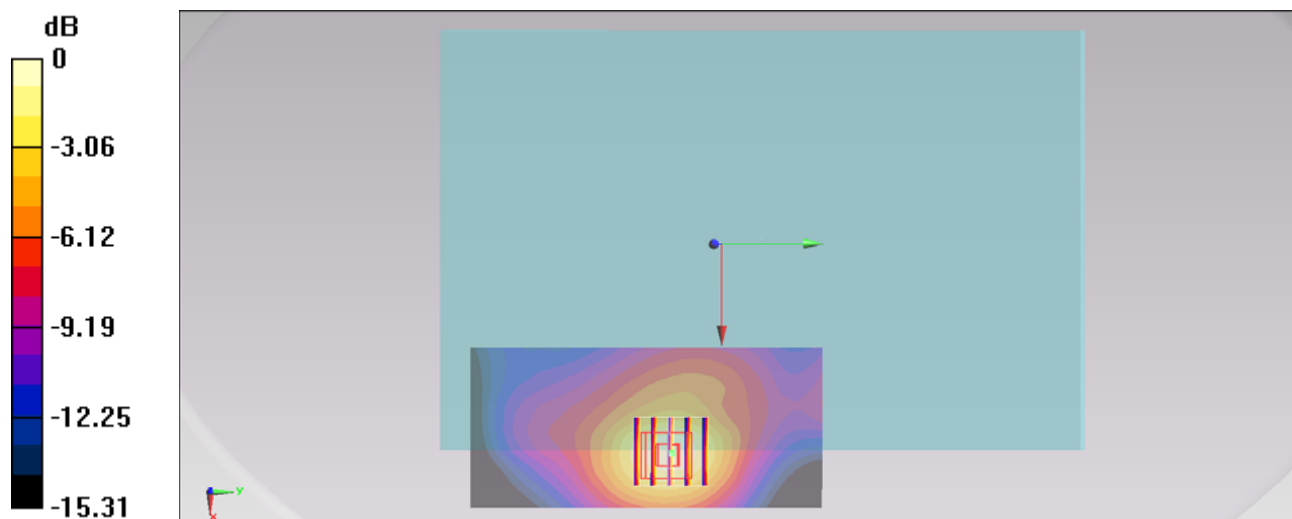
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.266 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.573 mW/g

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.230 mW/g**

Maximum value of SAR (measured) = 0.444 mW/g



0 dB = 0.444 mW/g = -7.05 dB mW/g

## #82\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch1312

**DUT: 312810**

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

Medium: MSL\_1750\_130220 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.974 mW/g

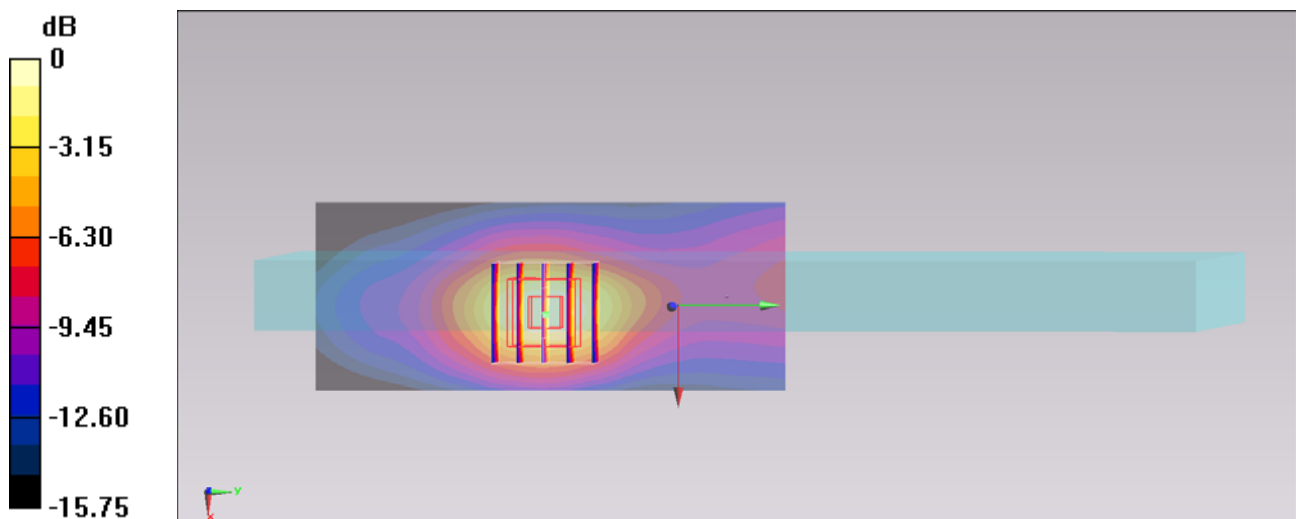
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.999 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.205 mW/g

**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 0.923 mW/g



0 dB = 0.923 mW/g = -0.70 dB mW/g

### #83\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch1413

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.459$  mho/m;  $\epsilon_r = 52.442$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1413/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.05 mW/g

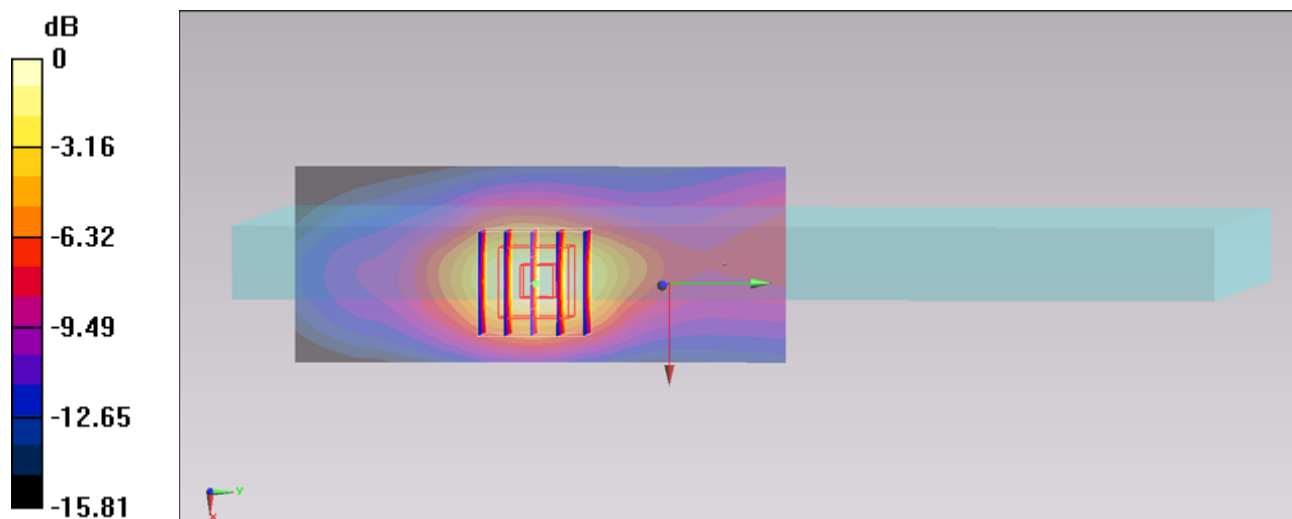
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.120 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.281 mW/g

**SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.467 mW/g**

Maximum value of SAR (measured) = 0.990 mW/g





## #84\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch1513

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 52.357$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1513/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.11 mW/g

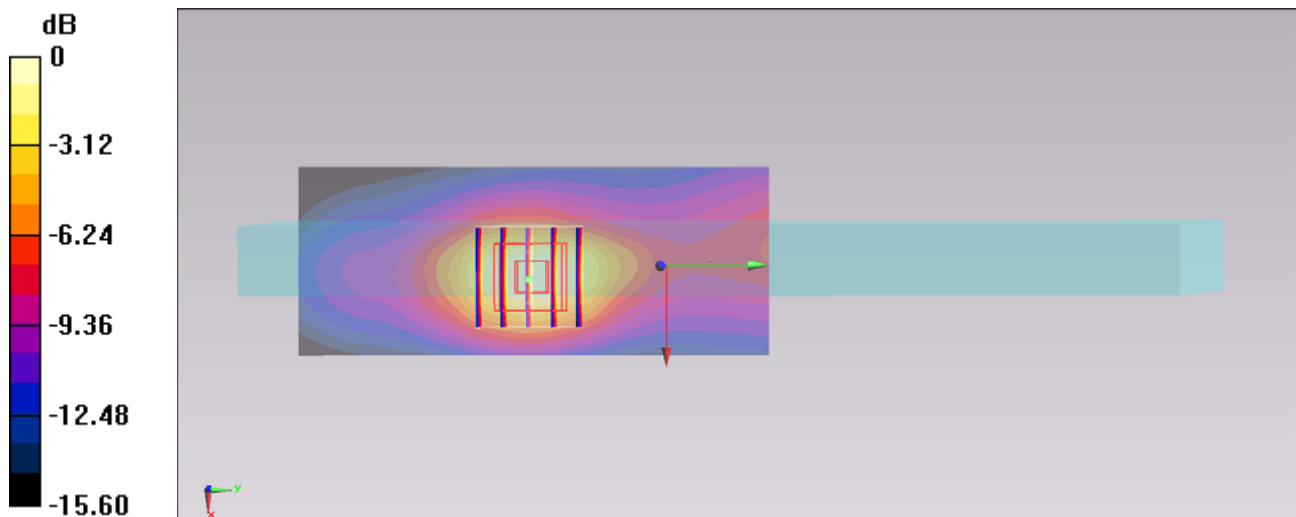
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.234 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.353 mW/g

**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.486 mW/g**

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



0 dB = 1.03 mW/g = 0.26 dB mW/g

## #85\_WCDMA IV\_RMC 12.2Kbps\_Edge 4\_0cm\_Ch1312

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.0506 mW/g

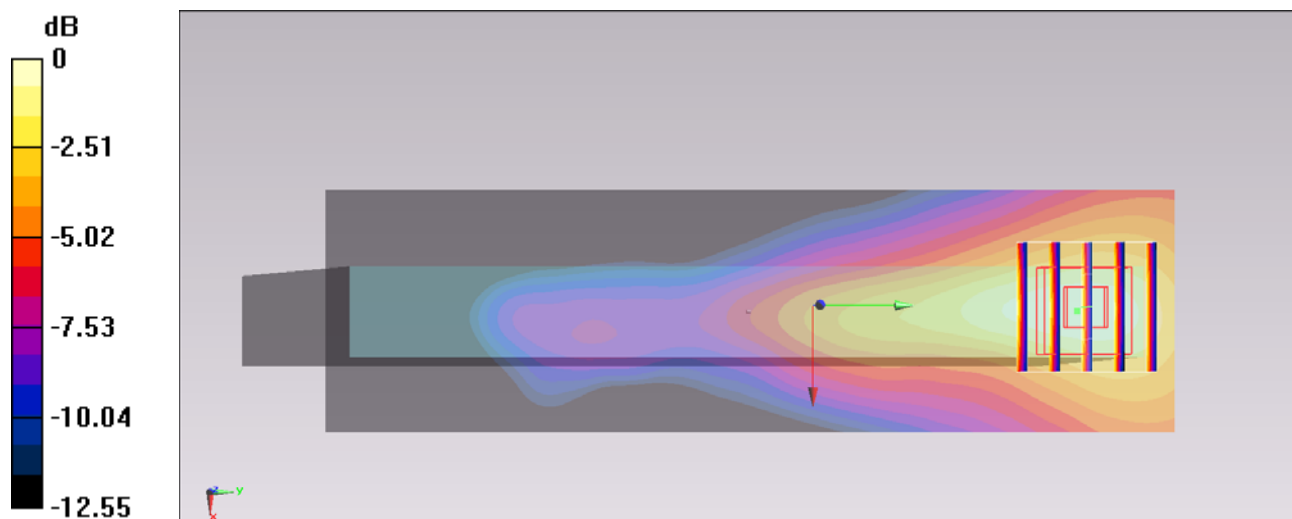
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.194 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.067 mW/g

**SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.0511 mW/g



0 dB = 0.0511 mW/g = -25.83 dB mW/g

### #86\_WCDMA IV\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch1312

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.837 mW/g

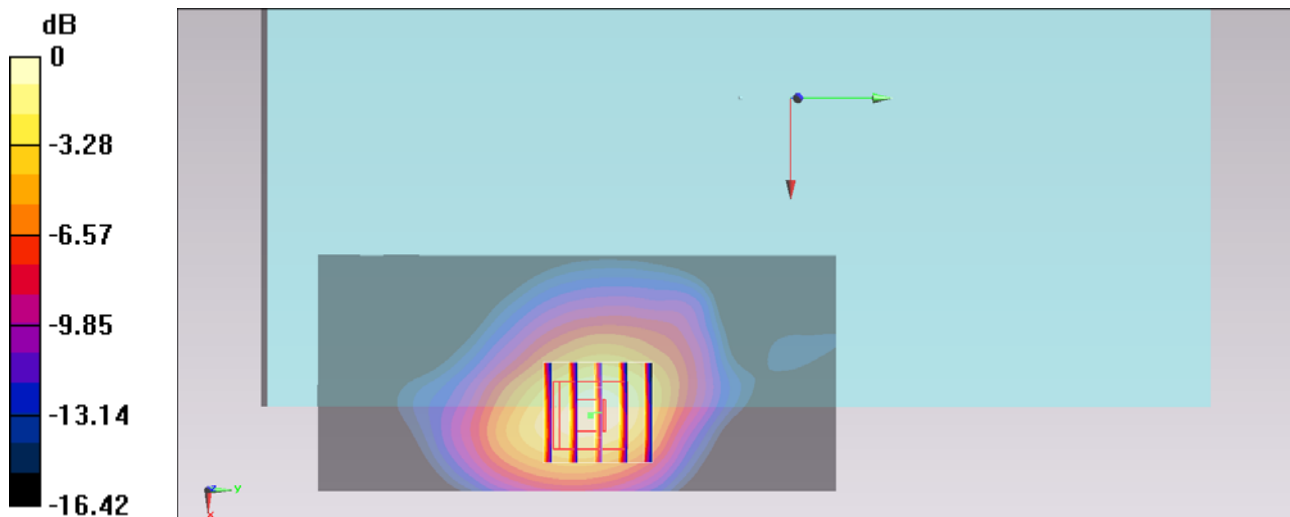
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.117 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.174 mW/g

**SAR(1 g) = 0.737 mW/g; SAR(10 g) = 0.424 mW/g**

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



### #87\_WCDMA IV\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch1413

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.459$  mho/m;  $\epsilon_r = 52.442$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1413/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.932 mW/g

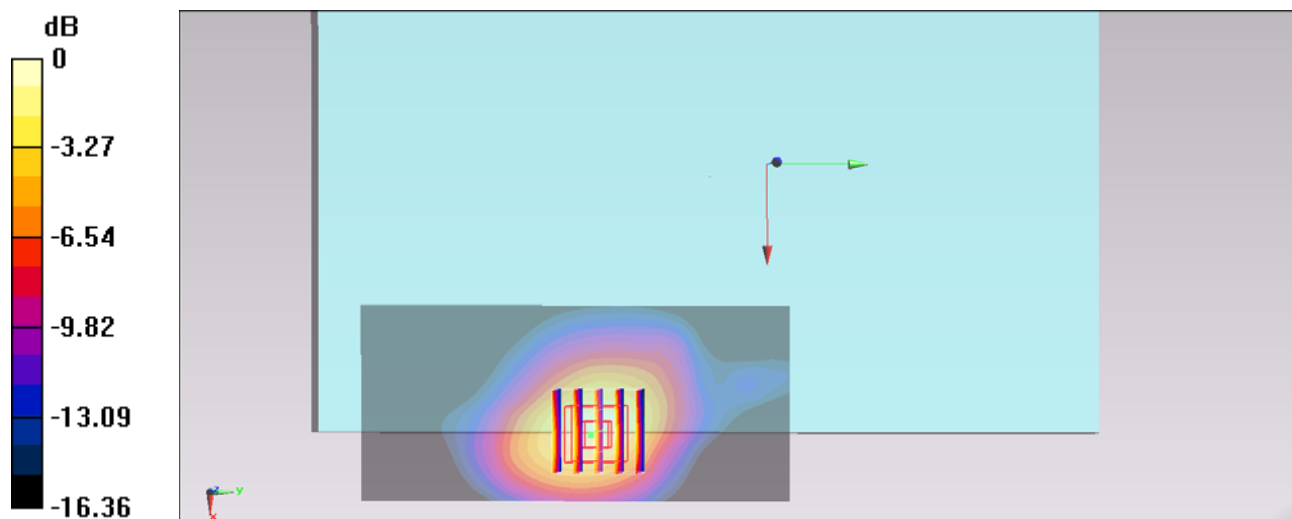
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.426 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.336 mW/g

**SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.477 mW/g**

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



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

### #88\_WCDMA IV\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch1513

**DUT: 312810**

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 52.357$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1513/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.05 mW/g

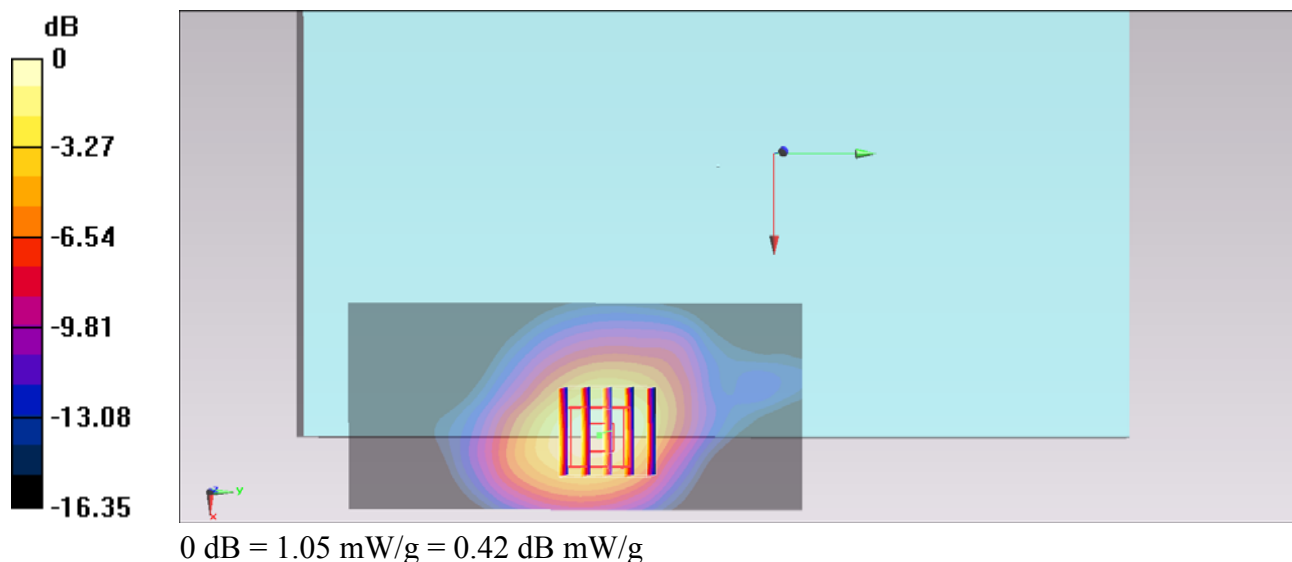
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.873 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.411 mW/g

**SAR(1 g) = 0.882 mW/g; SAR(10 g) = 0.509 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g



## #89\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch1312

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.42 mW/g

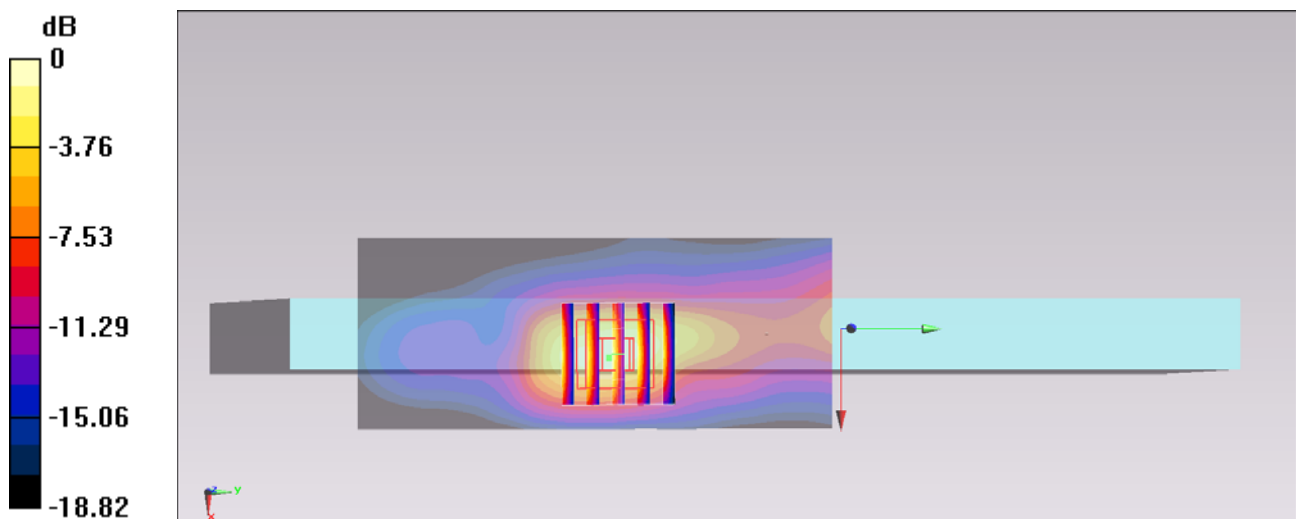
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.600 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.095 mW/g

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.568 mW/g**

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



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

## #98\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch1312

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.36 mW/g

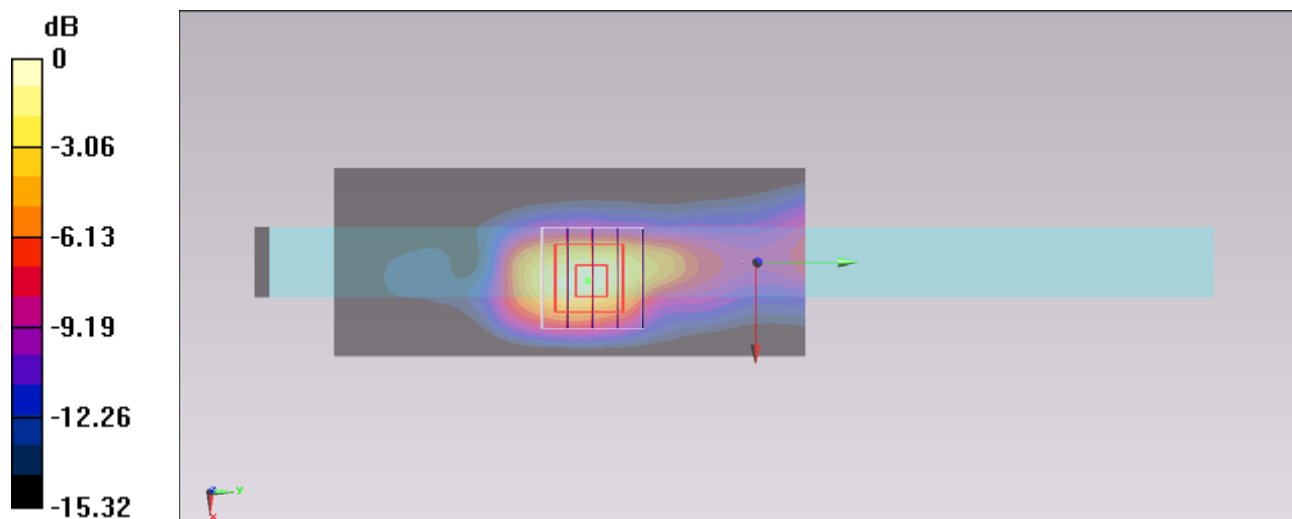
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.618 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.002 mW/g

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.532 mW/g**

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



## #90\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch1413

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.459$  mho/m;  $\epsilon_r = 52.442$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1413/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.34 mW/g

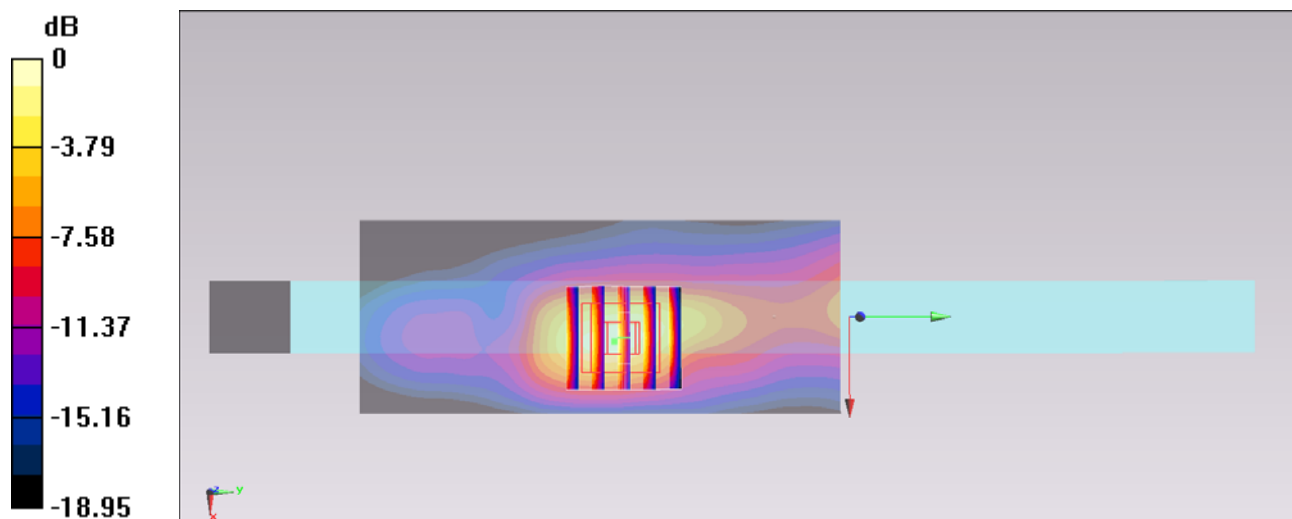
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.180 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.021 mW/g

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.547 mW/g**

Maximum value of SAR (measured) = 1.44 mW/g



0 dB = 1.44 mW/g = 3.17 dB mW/g



## #91\_WCDMA IV\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch1513

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 52.357$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1513/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.21 mW/g

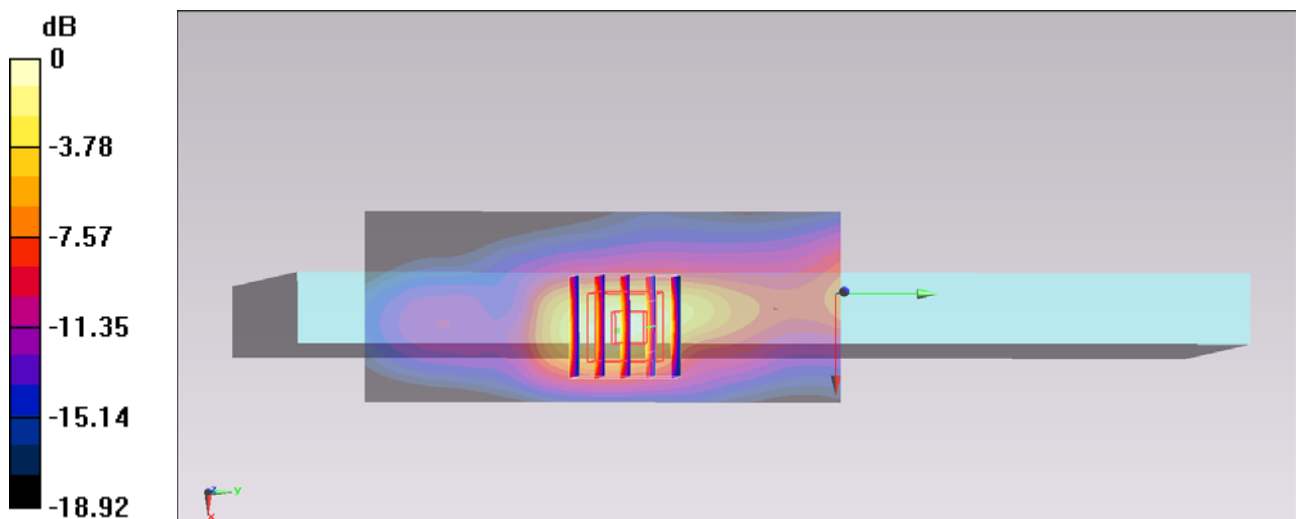
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.157 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.903 mW/g

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.507 mW/g**

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



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

## #92\_WCDMA IV\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch1312

### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.13 mW/g

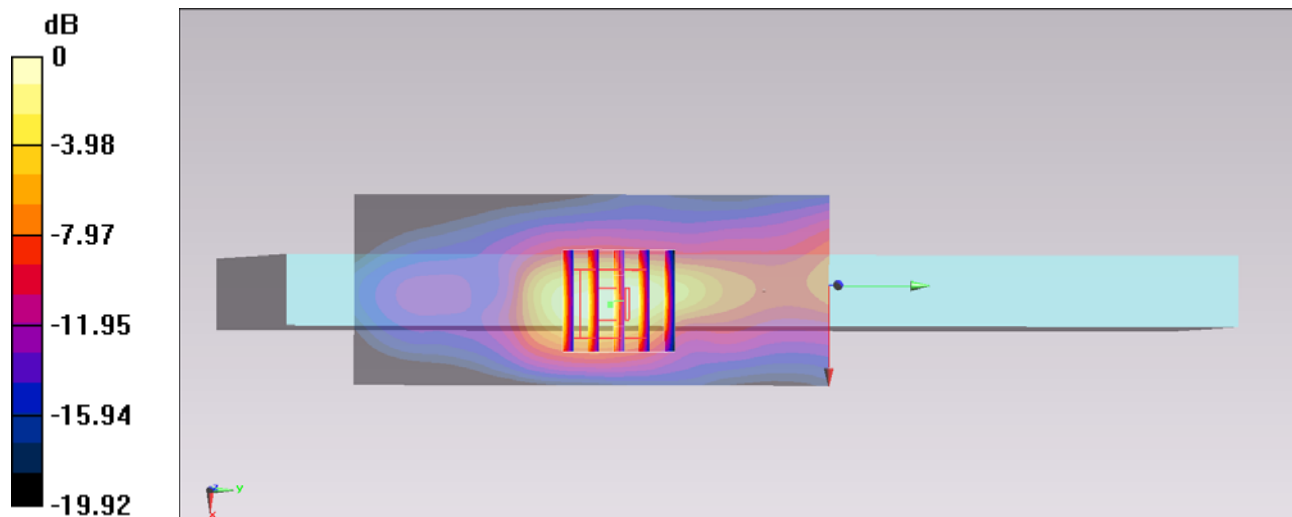
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.833 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.614 mW/g

**SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.443 mW/g**

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



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

### #93\_WCDMA IV\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch1413

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.459$  mho/m;  $\epsilon_r = 52.442$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1413/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.05 mW/g

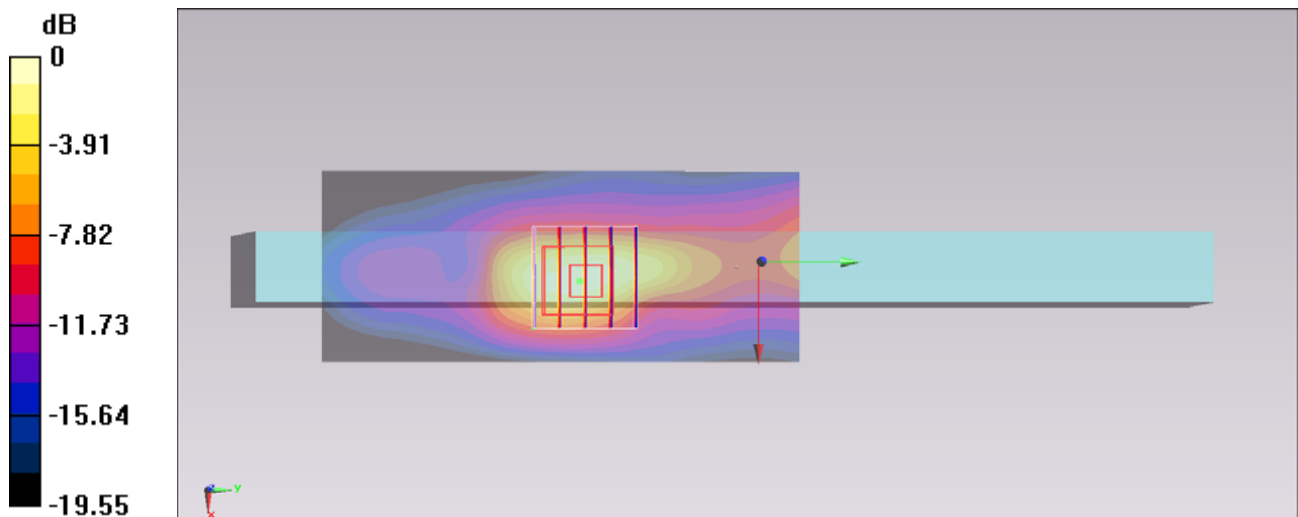
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.414 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.605 mW/g

**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.436 mW/g**

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



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

### #94\_WCDMA IV\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch1513

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 52.357$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1513/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.977 mW/g

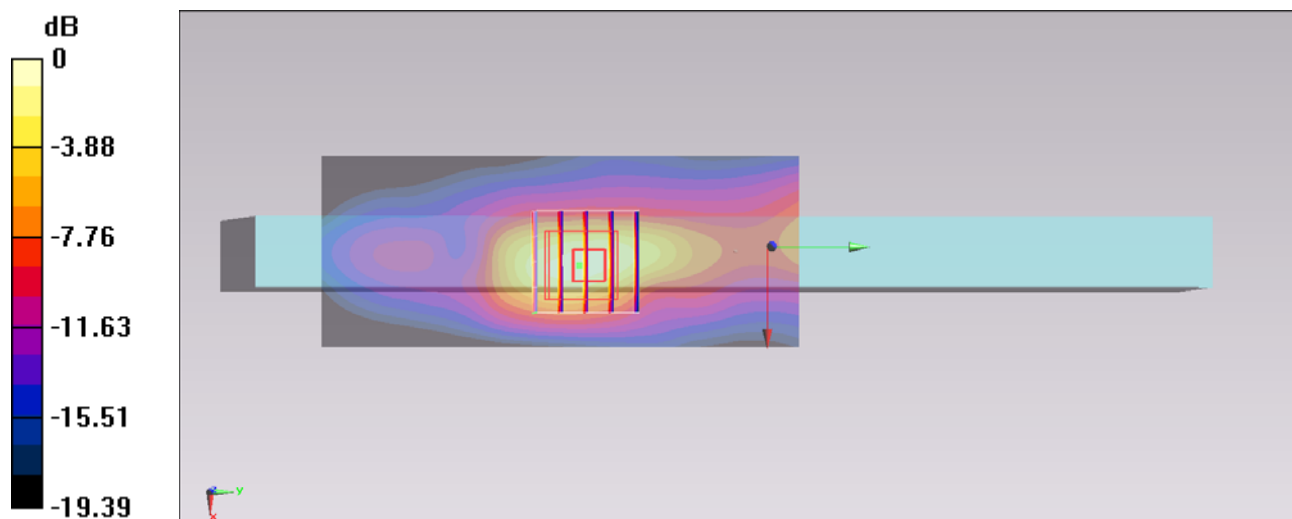
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.735 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.498 mW/g

**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.401 mW/g**

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



0 dB = 1.06 mW/g = 0.51 dB mW/g

### #95\_WCDMA IV\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch1312

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.451$  mho/m;  $\epsilon_r = 52.567$ ;

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1312/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.744 mW/g

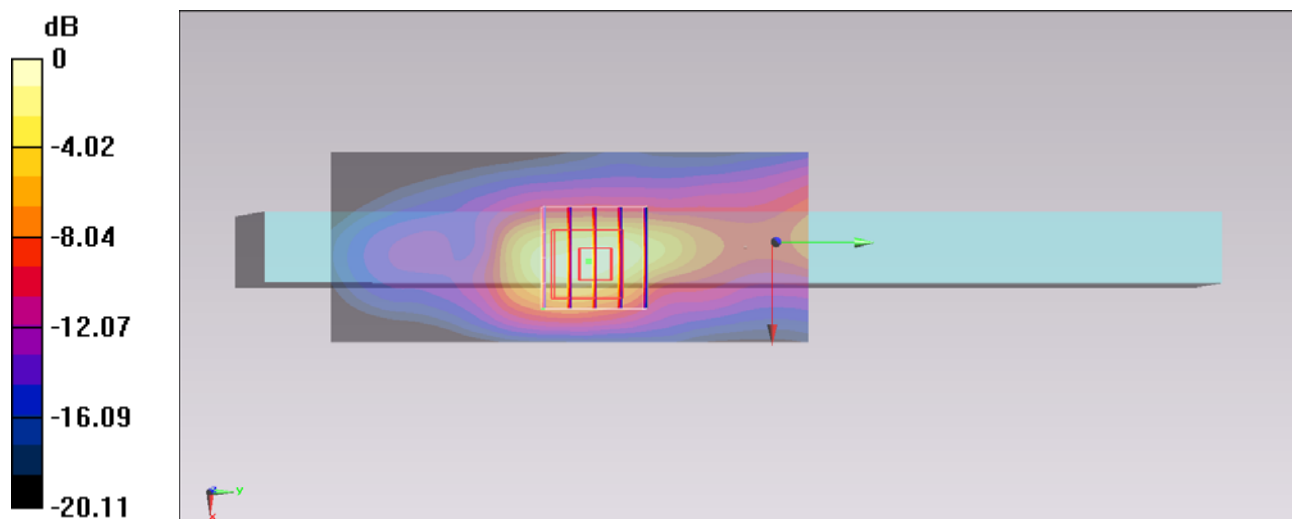
**Configuration/Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.712 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.163 mW/g

**SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.795 mW/g



0 dB = 0.795 mW/g = -1.99 dB mW/g

### #96\_WCDMA IV\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch1413

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.459$  mho/m;  $\epsilon_r = 52.442$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1413/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.778 mW/g

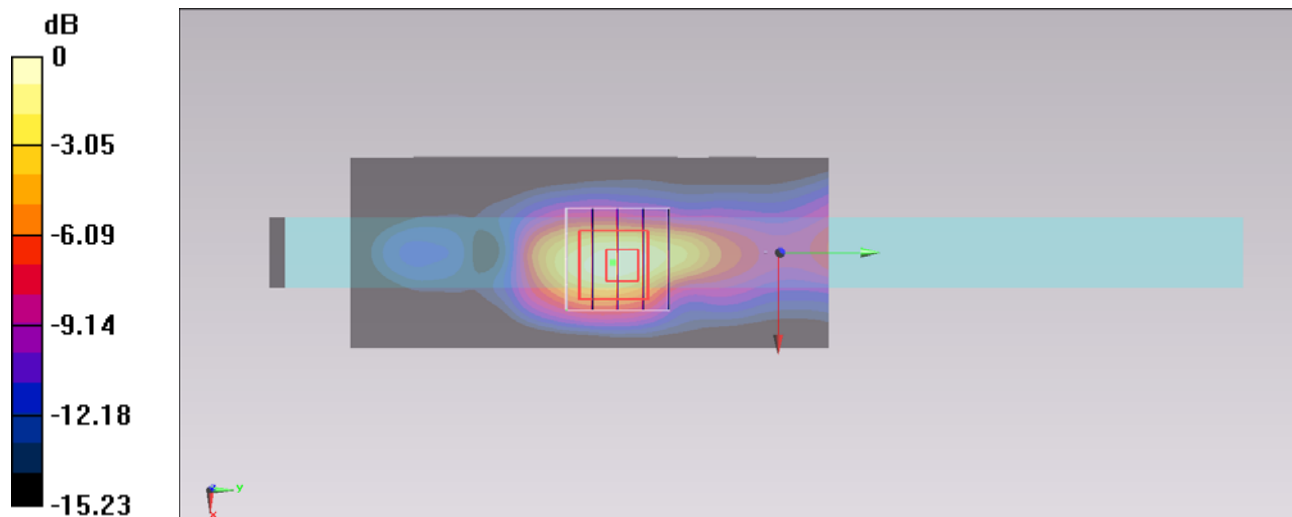
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.401 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.127 mW/g

**SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.301 mW/g**

Maximum value of SAR (measured) = 0.780 mW/g



0 dB = 0.780 mW/g = -2.16 dB mW/g

### #97\_WCDMA IV\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch1513

#### DUT: 312810

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

Medium: MSL\_1750\_130220 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.484$  mho/m;  $\epsilon_r = 52.357$ ;  $\rho$

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

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

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.98, 4.98, 4.98); Calibrated: 2012/9/28;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

**Configuration/Ch1513/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.767 mW/g

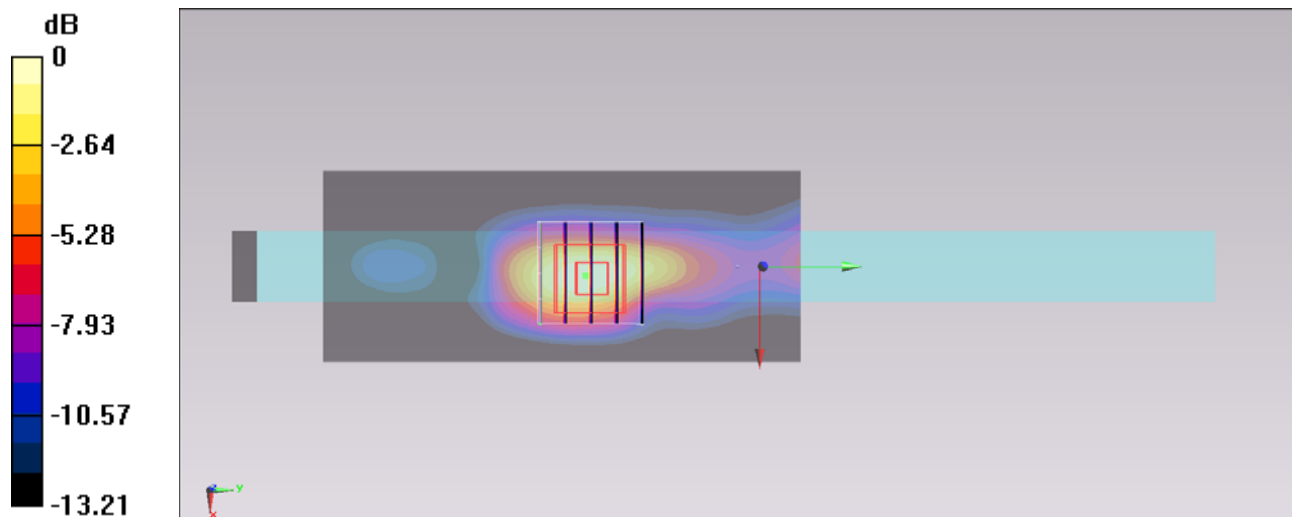
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.554 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.053 mW/g

**SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.285 mW/g**

Maximum value of SAR (measured) = 0.734 mW/g



0 dB = 0.734 mW/g = -2.69 dB mW/g

### #36\_WCDMA II\_RMC 12.2Kbps\_Bottom Face\_1cm\_Ch9262

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.406$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.398 mW/g

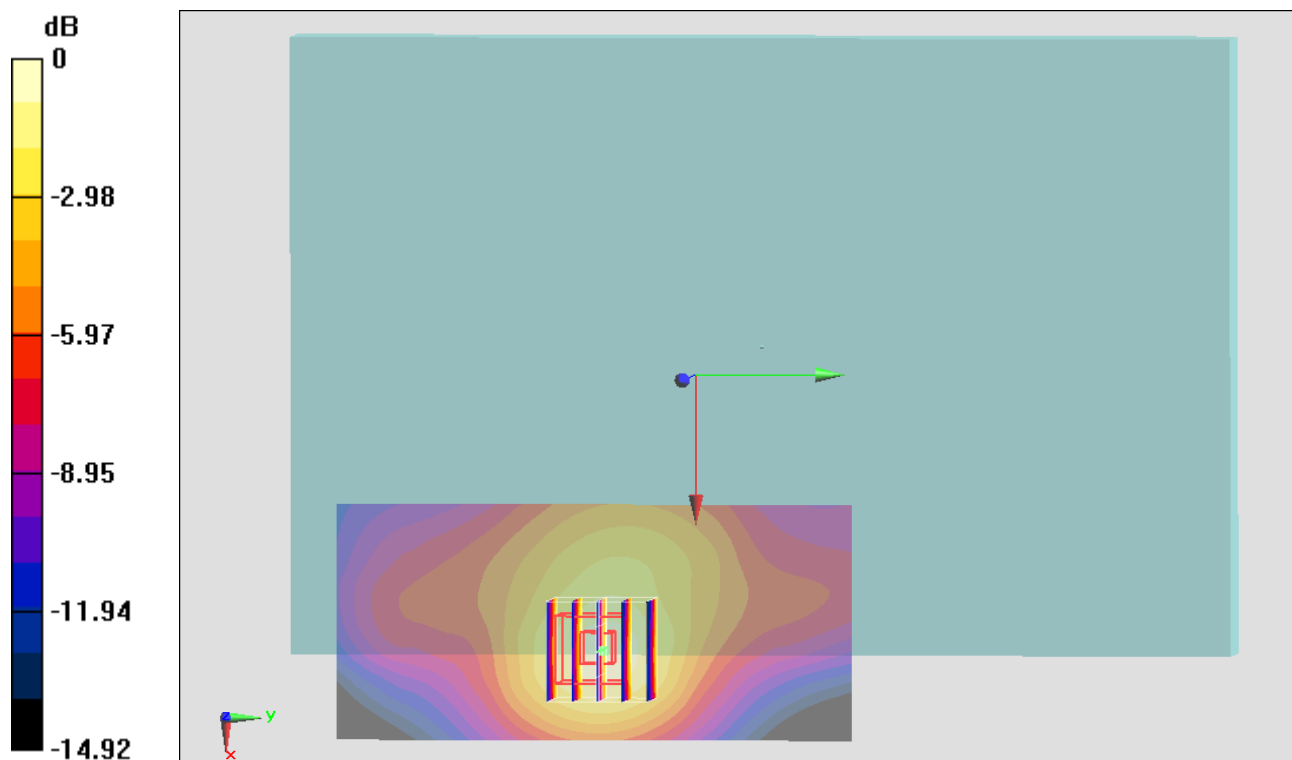
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.340 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.584 mW/g

**SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.234 mW/g**

Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.419 mW/g = -7.56 dB mW/g



### #37\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch9262

#### DUT: 312810

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.406$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.985 mW/g

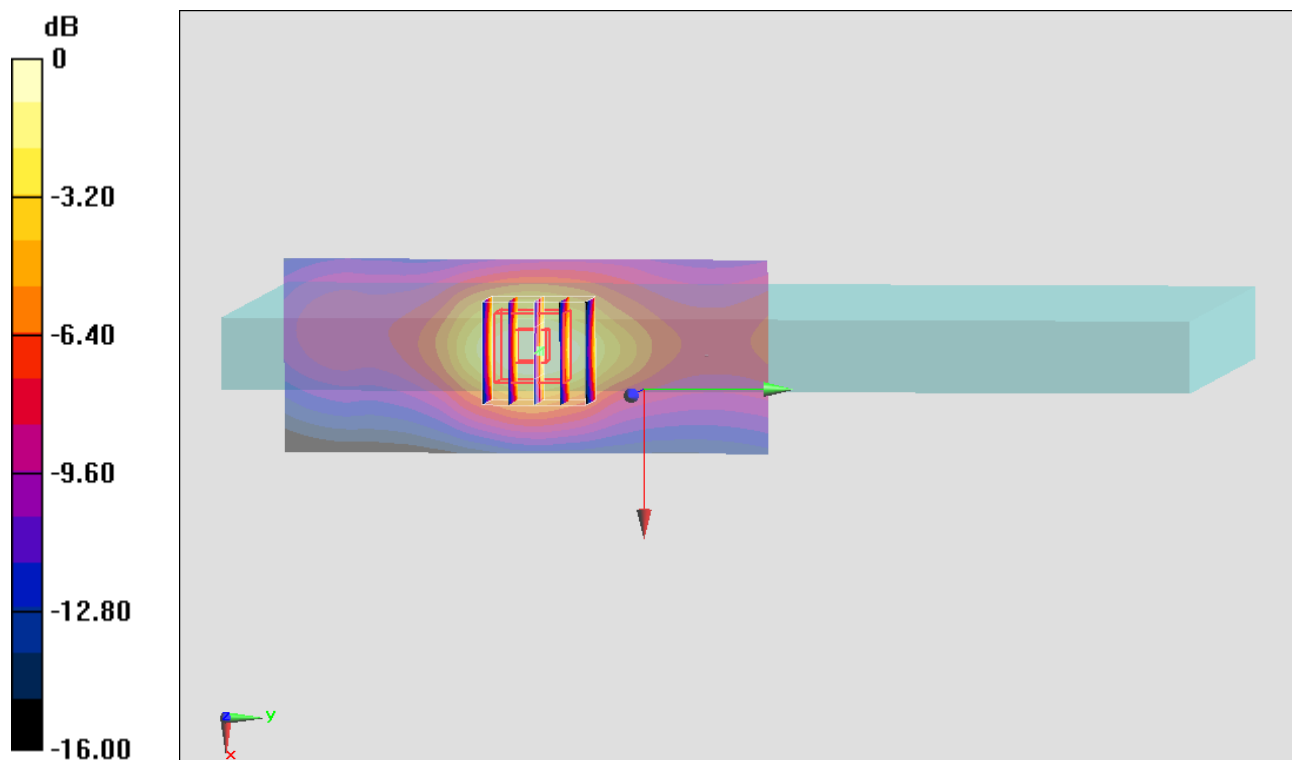
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.039 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.325 mW/g

**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.481 mW/g**

Maximum value of SAR (measured) = 0.917 mW/g



0 dB = 0.917 mW/g = -0.75 dB mW/g

### #38\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch9400

**DUT: 312810**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.938 mW/g

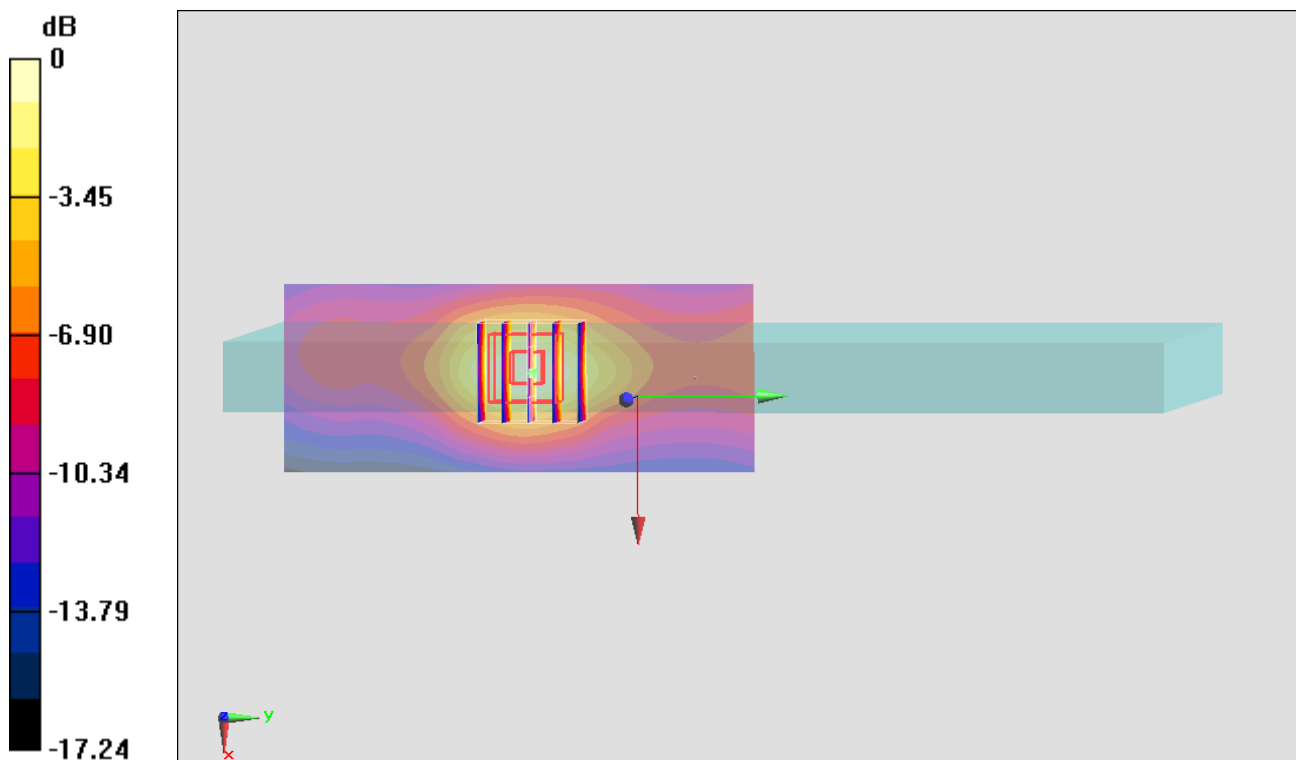
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.299 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.326 mW/g

**SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.470 mW/g**

Maximum value of SAR (measured) = 0.916 mW/g



0 dB = 0.916 mW/g = -0.76 dB mW/g

### #39\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_1.2cm\_Ch9538

**DUT: 312810**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.554$  mho/m;  $\epsilon_r = 53.222$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.924 mW/g

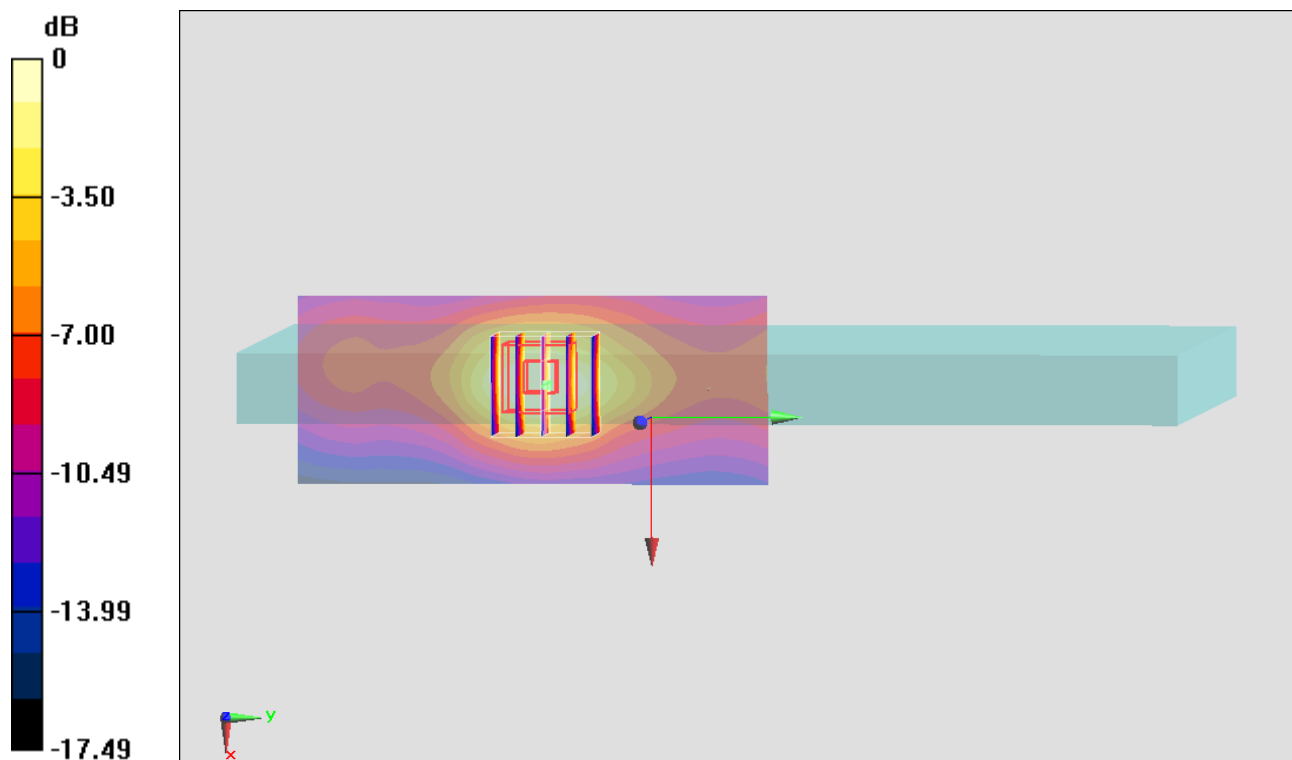
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.328 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.294 mW/g

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

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



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

## #40\_WCDMA II\_RMC 12.2Kbps\_Edge 4\_0cm\_Ch9262

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 53.406$ ;  $\rho$

$= 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.0585 \text{ mW/g}$

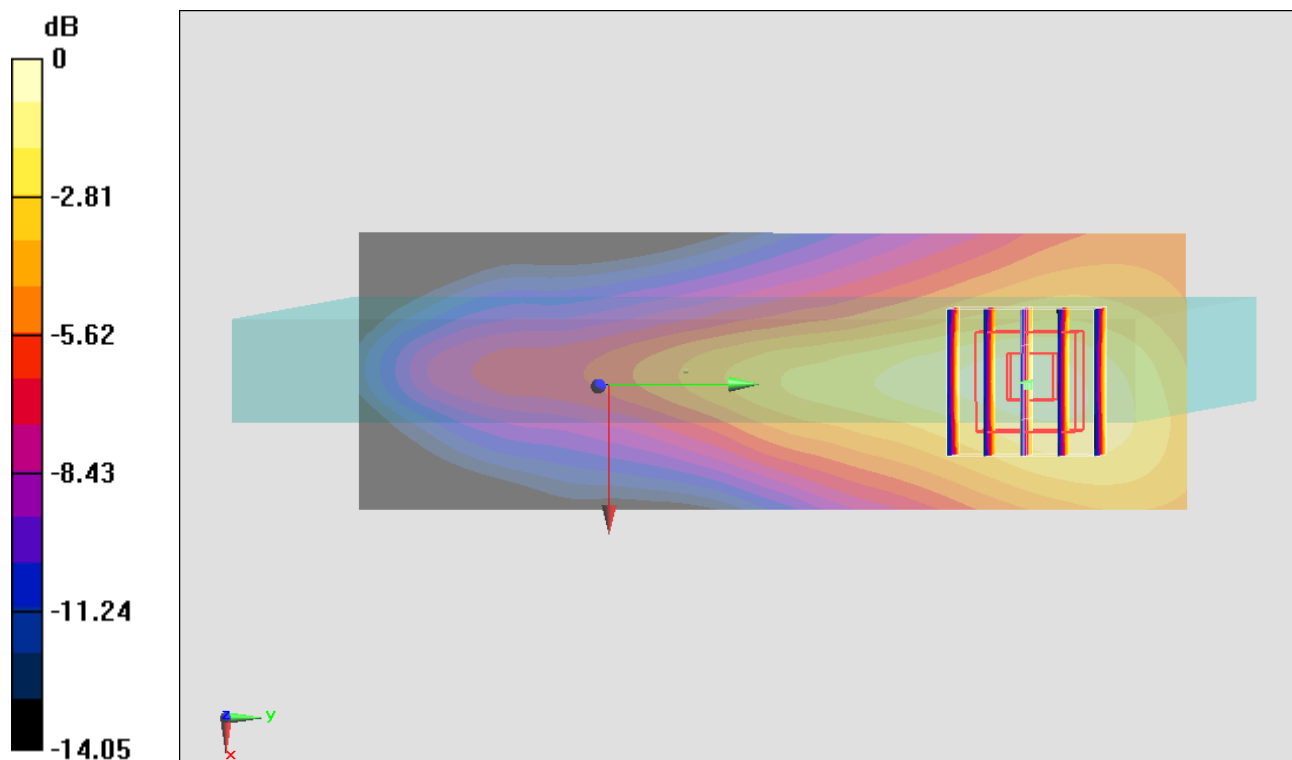
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $7.078 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.084 \text{ mW/g}$

**SAR(1 g) =  $0.057 \text{ mW/g}$ ; SAR(10 g) =  $0.035 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0637 \text{ mW/g}$



$0 \text{ dB} = 0.0637 \text{ mW/g} = -23.92 \text{ dB mW/g}$

### #41\_WCDMA II\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch9262

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.406$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.780 mW/g

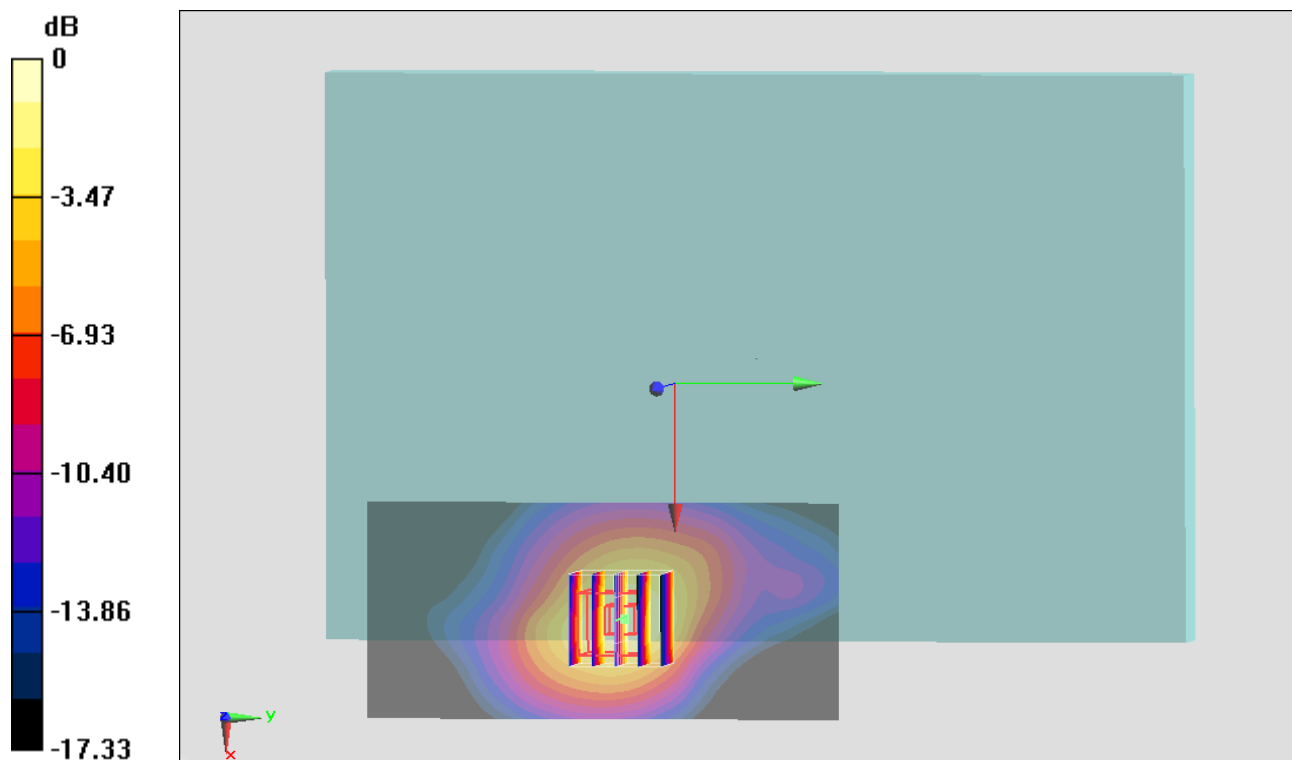
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.755 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.264 mW/g

**SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.420 mW/g**

Maximum value of SAR (measured) = 0.851 mW/g



0 dB = 0.851 mW/g = -1.40 dB mW/g

## #42\_WCDMA II\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch9400

**DUT: 312810**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.824 mW/g

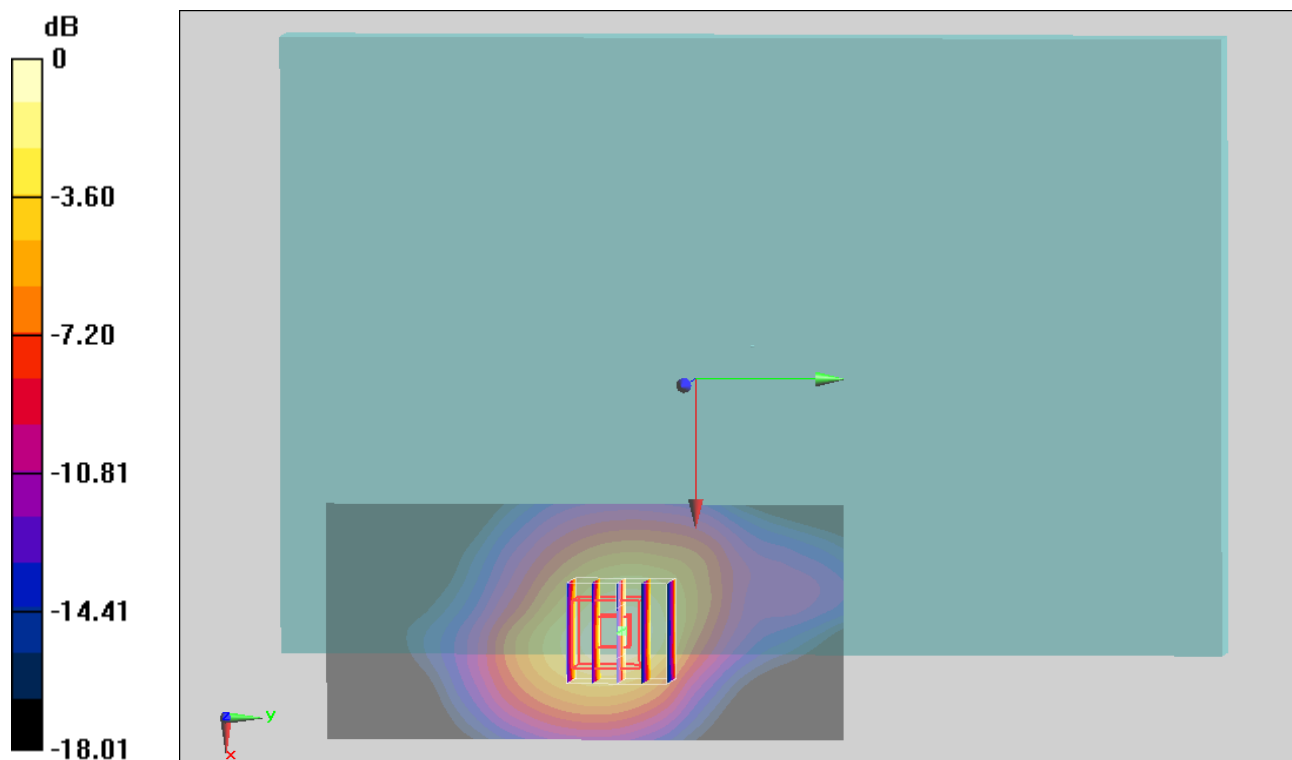
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.827 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.288 mW/g

**SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.416 mW/g**

Maximum value of SAR (measured) = 0.841 mW/g



0 dB = 0.841 mW/g = -1.50 dB mW/g

### #43\_WCDMA II\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch9538

**DUT: 312810**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.554$  mho/m;  $\epsilon_r = 53.222$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.787 mW/g

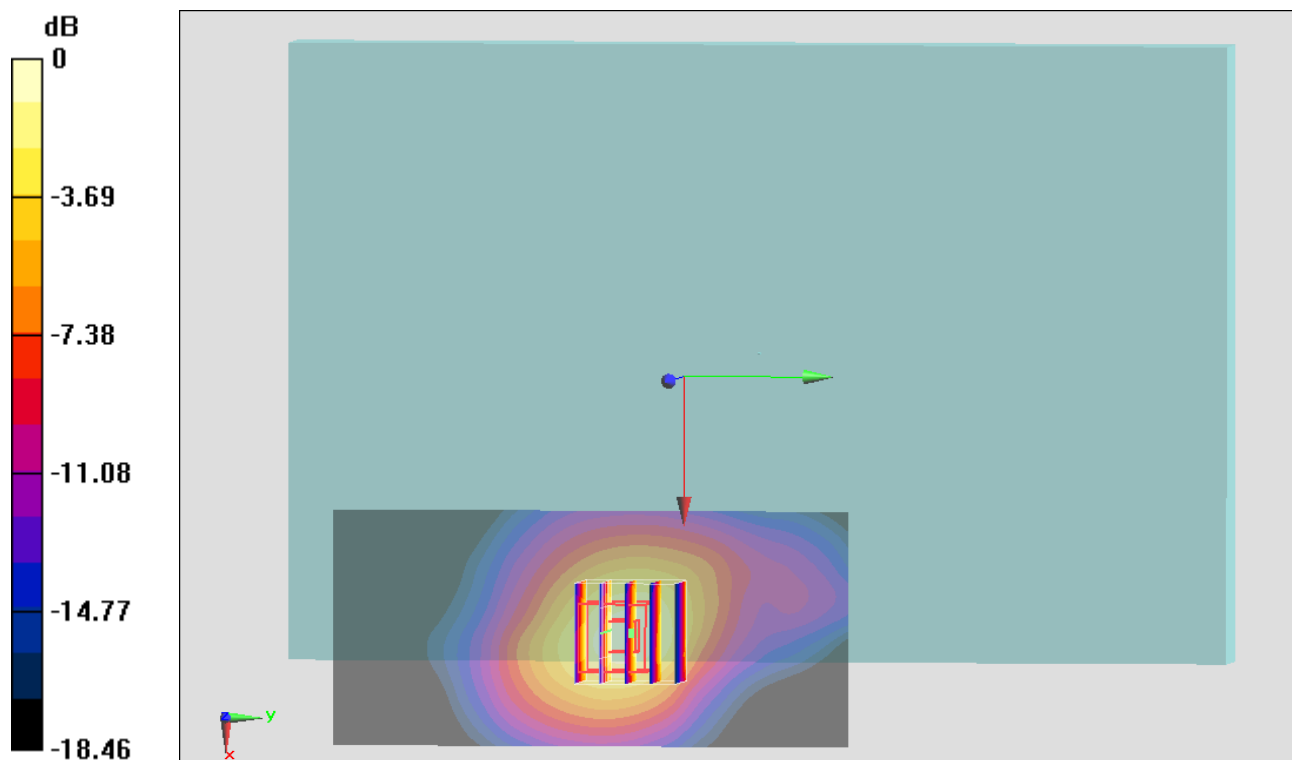
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.076 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.275 mW/g

**SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.406 mW/g**

Maximum value of SAR (measured) = 0.811 mW/g



0 dB = 0.811 mW/g = -1.82 dB mW/g

### #03\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch9262

**DUT: 312810**

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

Medium: MSL\_1900\_130206 Medium parameters used :  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 53.183$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.6 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.6 \text{ }^\circ\text{C}$

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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $1.18 \text{ mW/g}$

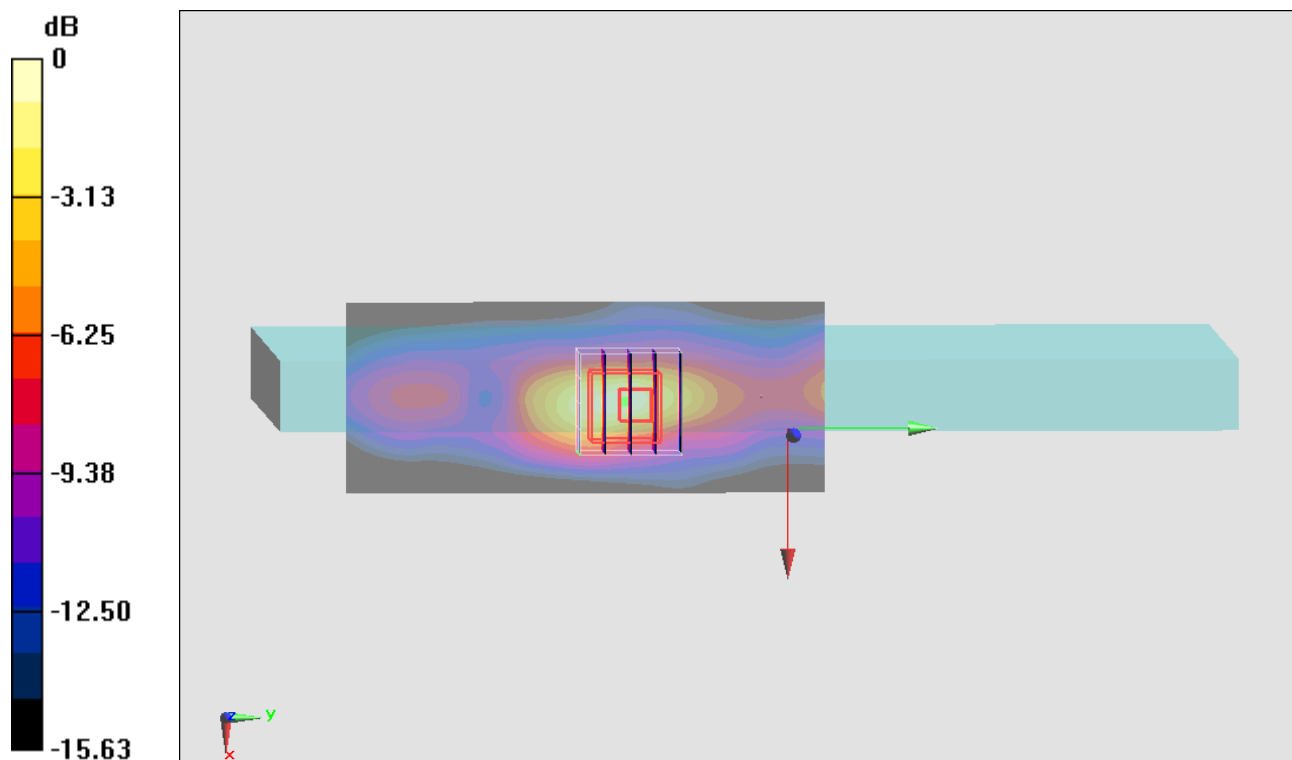
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $31.157 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$

Peak SAR (extrapolated) =  $2.081 \text{ mW/g}$

**SAR(1 g) =  $1.02 \text{ mW/g}$ ; SAR(10 g) =  $0.481 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.25 \text{ mW/g}$



0 dB =  $1.25 \text{ mW/g} = 1.94 \text{ dB mW/g}$



**#50\_WVDMA II\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch9262;Repeat**

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used :  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 53.406$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $1.23 \text{ mW/g}$

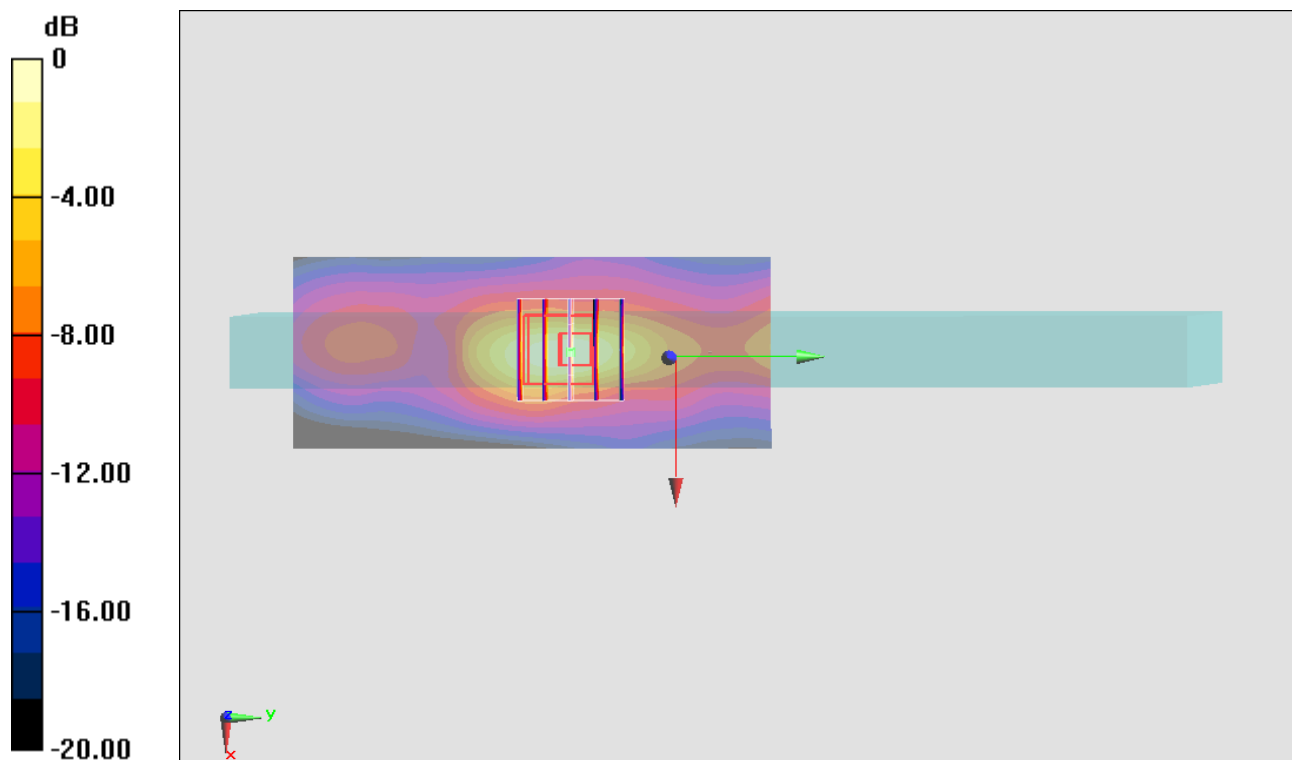
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $31.722 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $2.089 \text{ mW/g}$

**SAR(1 g) =  $1.01 \text{ mW/g}$ ; SAR(10 g) =  $0.479 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.24 \text{ mW/g}$



0 dB =  $1.24 \text{ mW/g} = 1.87 \text{ dB mW/g}$

## #04\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch9400

**DUT: 312810**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.093$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.08 mW/g

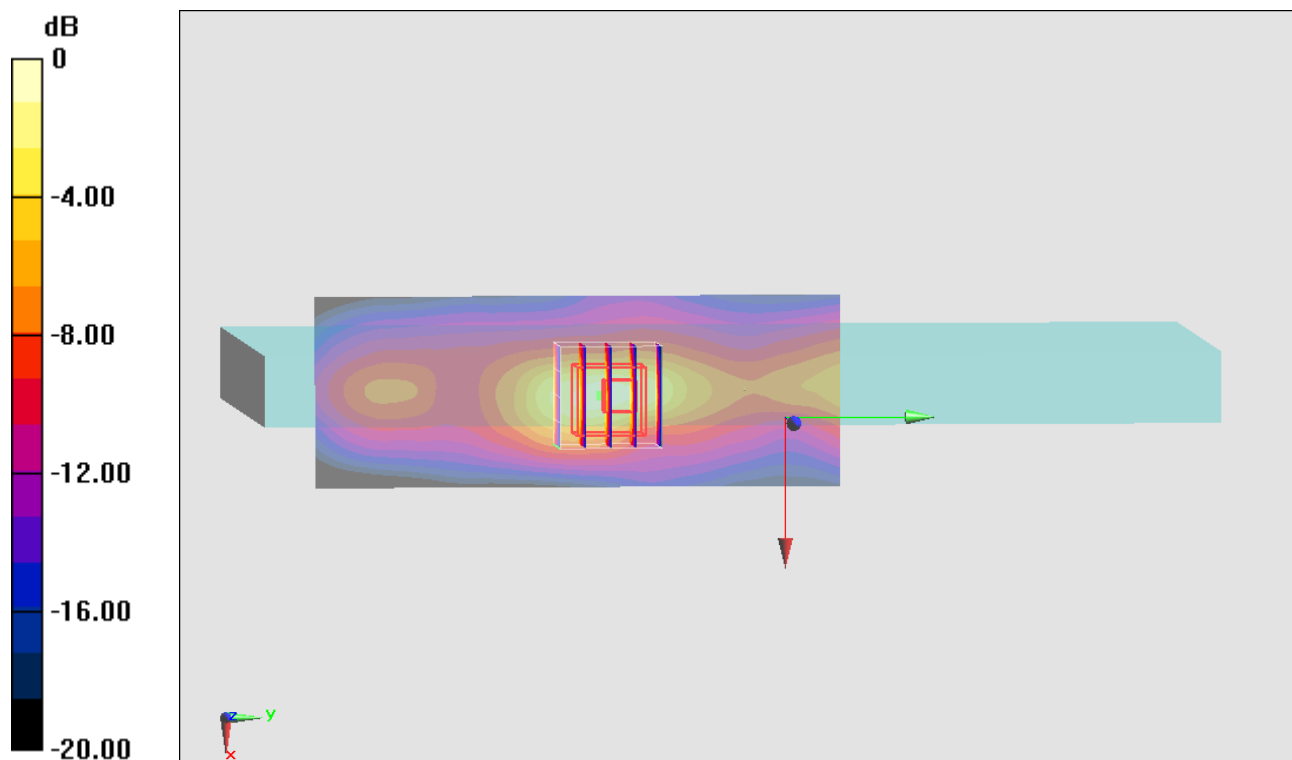
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.758 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.983 mW/g

**SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.456 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21 mW/g = 1.66 dB mW/g

## #05\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_0cm\_Ch9538

**DUT: 312810**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 52.996$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.04 mW/g

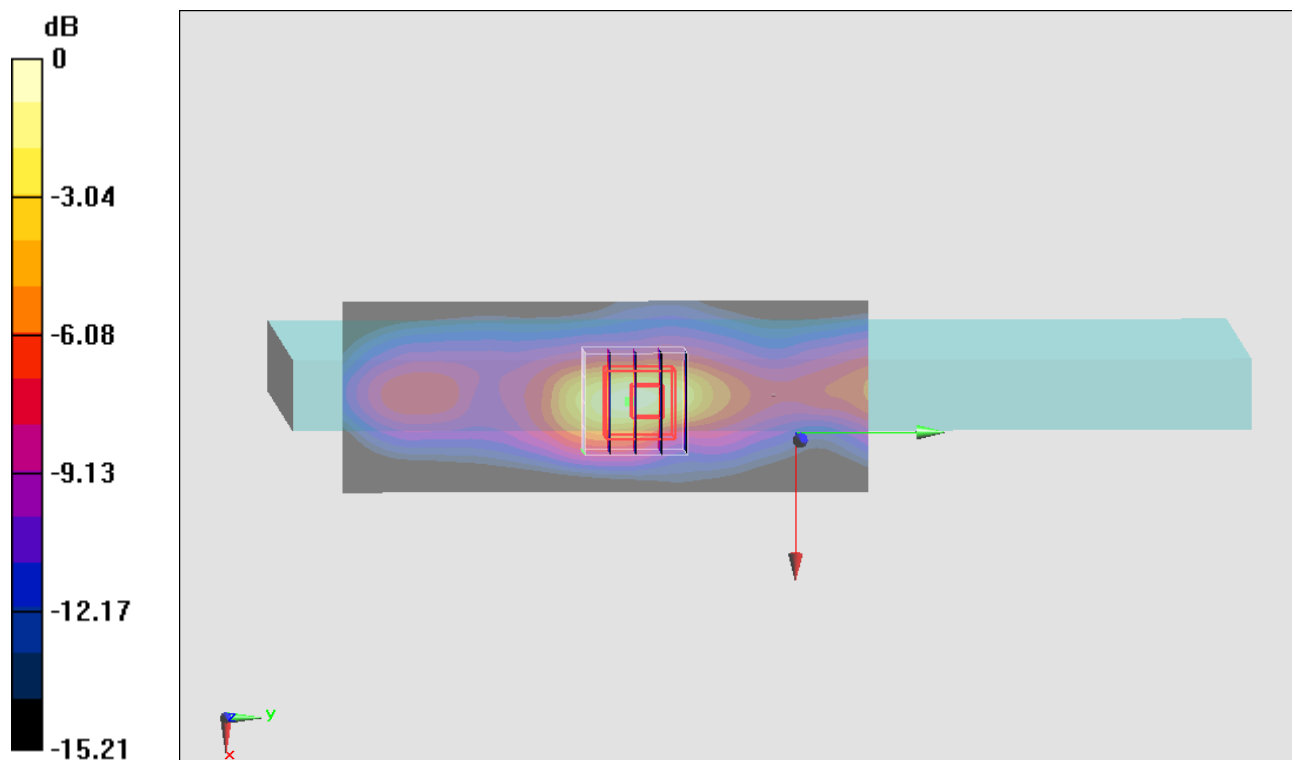
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.169 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.874 mW/g

**SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.437 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15 mW/g = 1.21 dB mW/g

### #44\_WCDMA II\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch9262

**DUT: 312810**

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

Medium: MSL\_1900\_130208 Medium parameters used :  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 53.406$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $1.34 \text{ mW/g}$

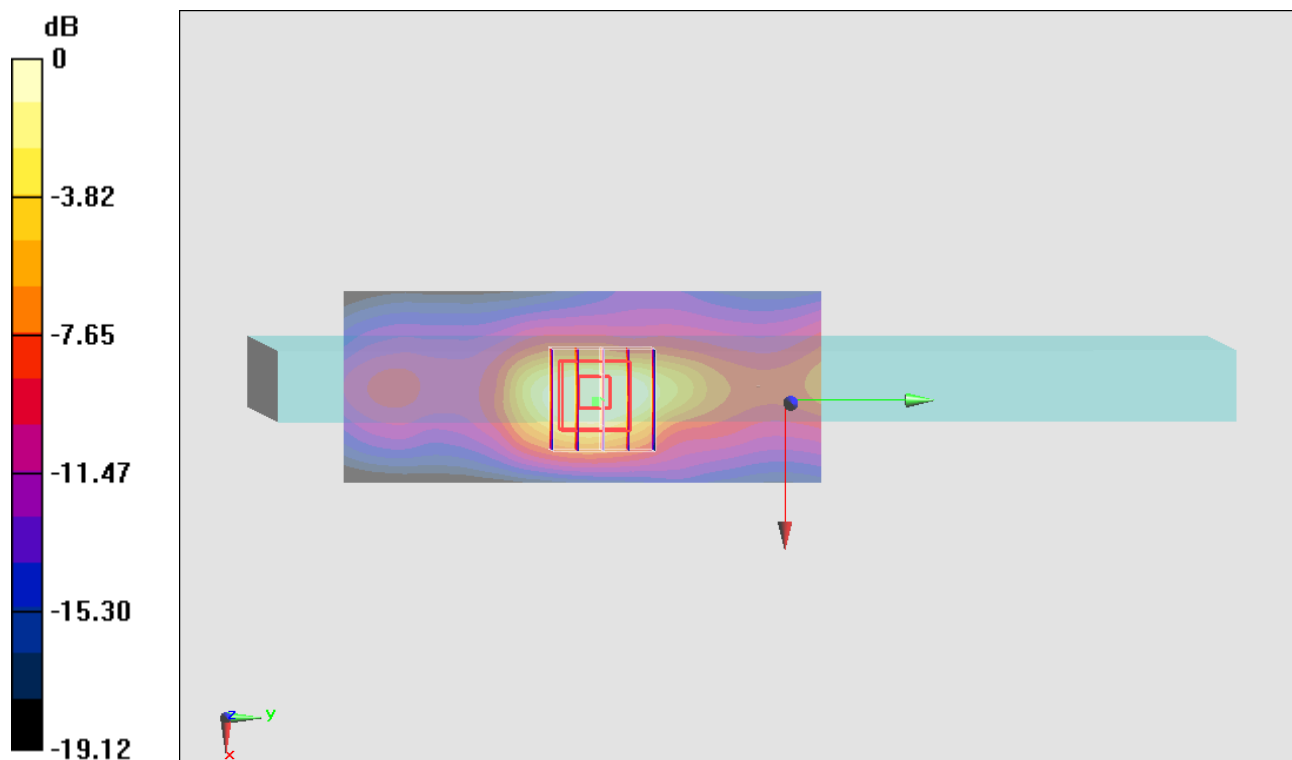
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $27.192 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$

Peak SAR (extrapolated) =  $1.519 \text{ mW/g}$

**SAR(1 g) =  $0.895 \text{ mW/g}$ ; SAR(10 g) =  $0.467 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.01 \text{ mW/g}$



0 dB =  $1.01 \text{ mW/g} = 0.09 \text{ dB mW/g}$

## #45\_WCDMA II\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch9400

### DUT: 312810

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.972 mW/g

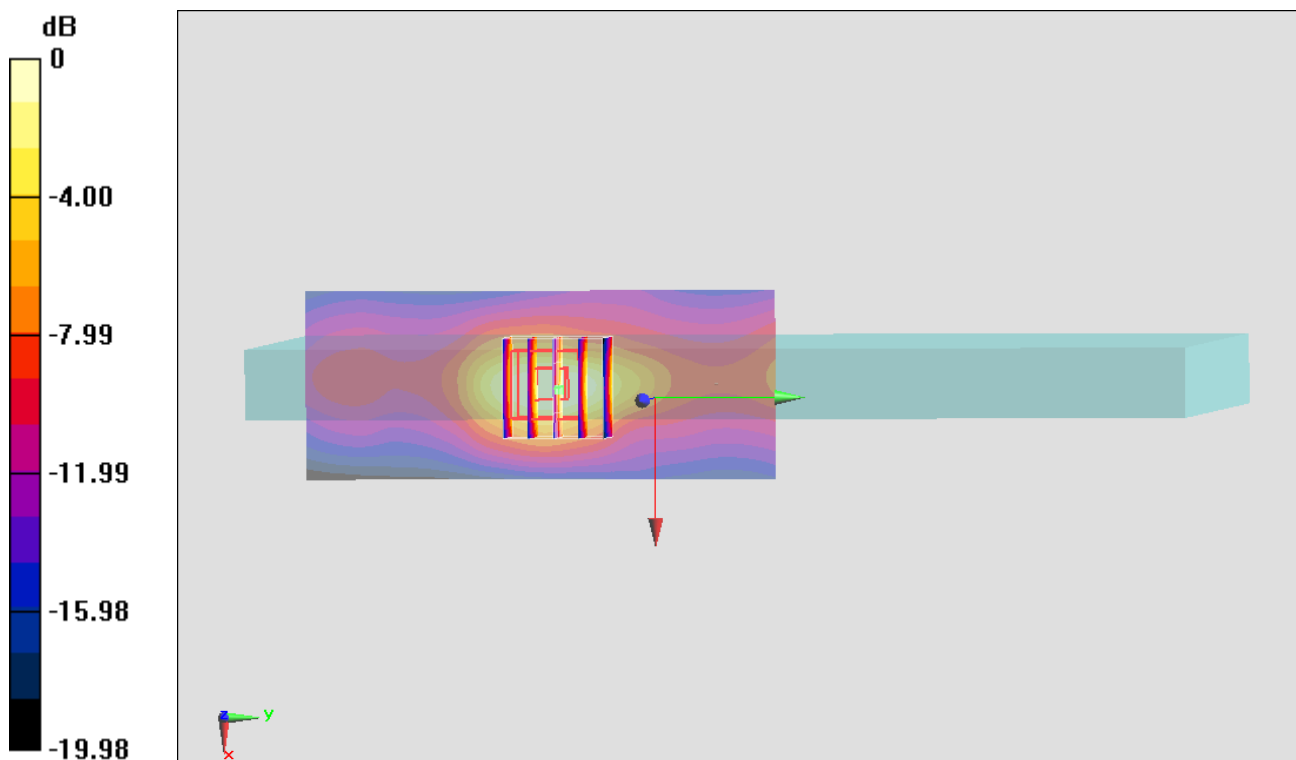
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.654 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.417 mW/g

**SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.426 mW/g**

Maximum value of SAR (measured) = 0.920 mW/g



0 dB = 0.920 mW/g = -0.72 dB mW/g

### #46\_WCDMA II\_HSDPA Subtest-1\_Edge 1\_0cm\_Ch9538

#### DUT: 312810

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.554$  mho/m;  $\epsilon_r = 53.222$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9938/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.956 mW/g

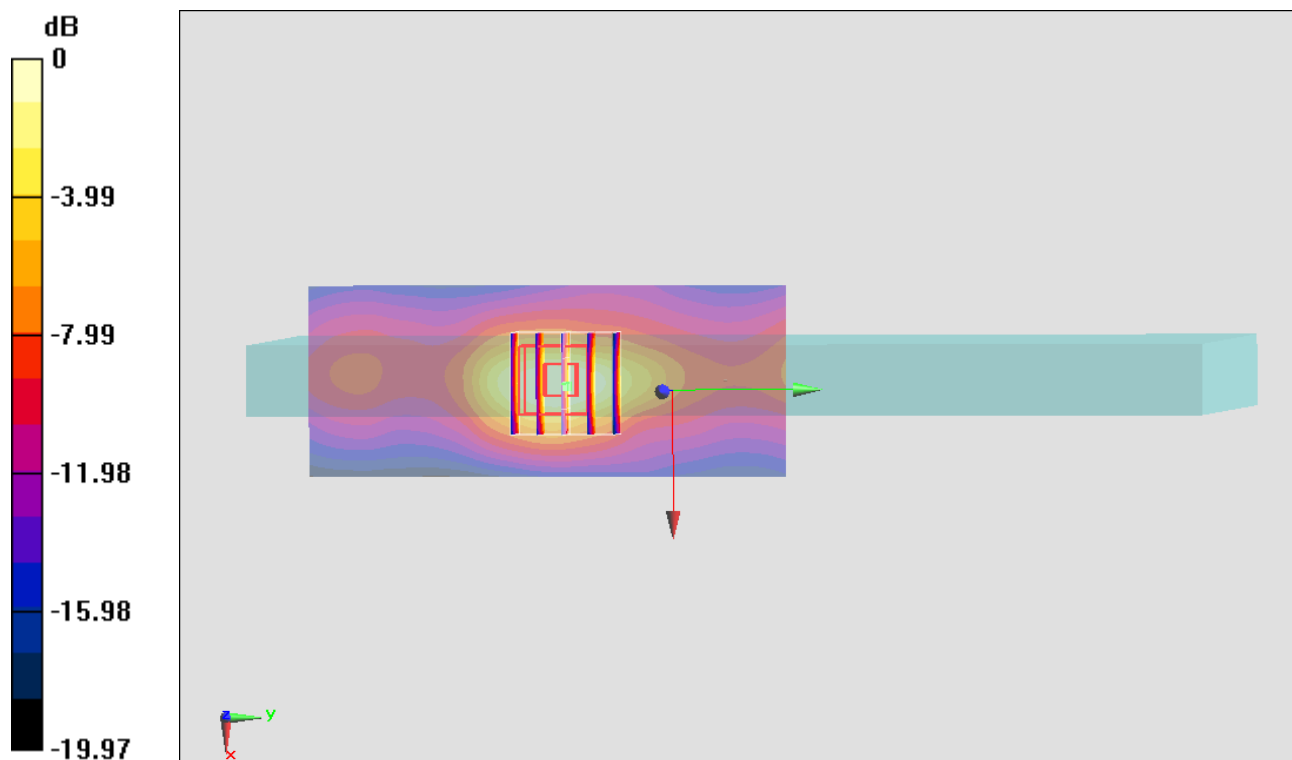
**Configuration/Ch9938/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.051 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.360 mW/g

**SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.415 mW/g**

Maximum value of SAR (measured) = 0.896 mW/g



0 dB = 0.896 mW/g = -0.95 dB mW/g

## #47\_WCDMA II\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch9262

### DUT: 312810

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

Medium: MSL\_1900\_130208 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.406$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9262/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.935 mW/g

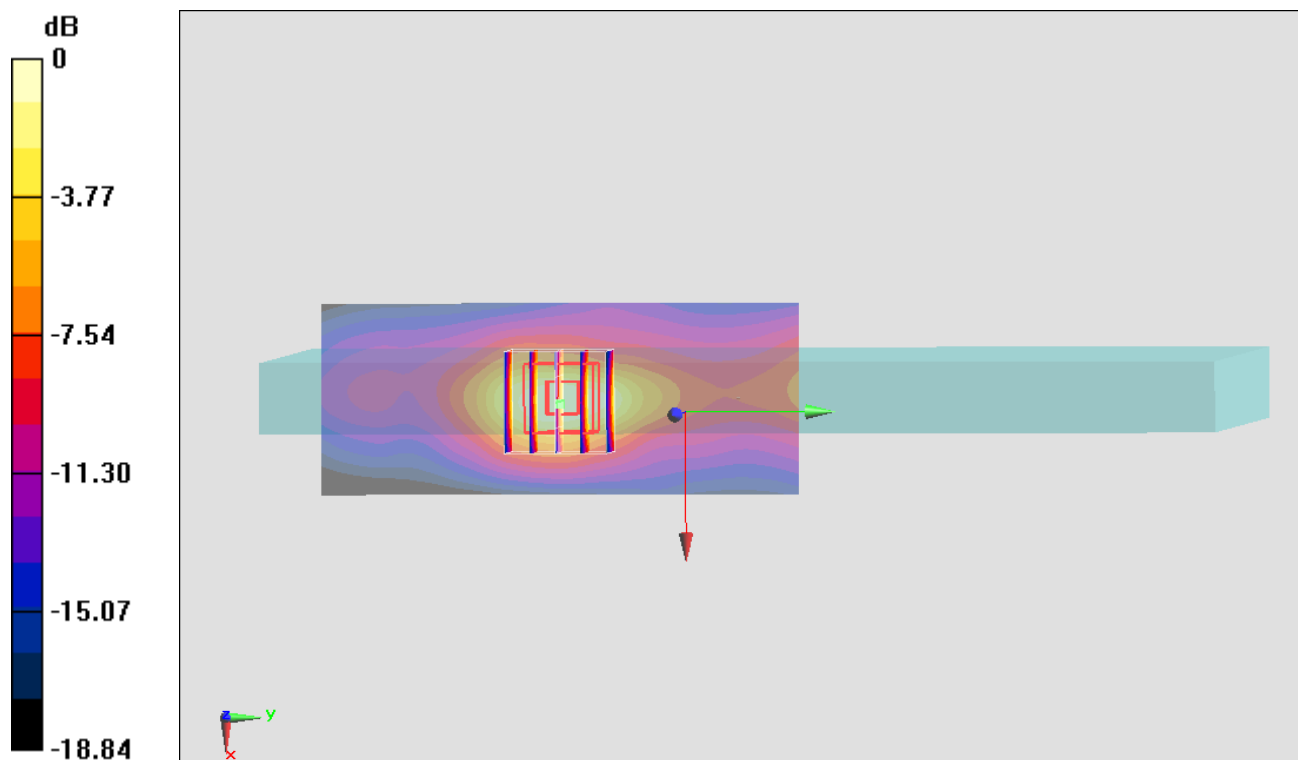
**Configuration/Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.765 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.355 mW/g

**SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.420 mW/g**

Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913 mW/g = -0.79 dB mW/g

### #48\_WCDMA II\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch9400

**DUT: 312810**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9400/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.06 mW/g

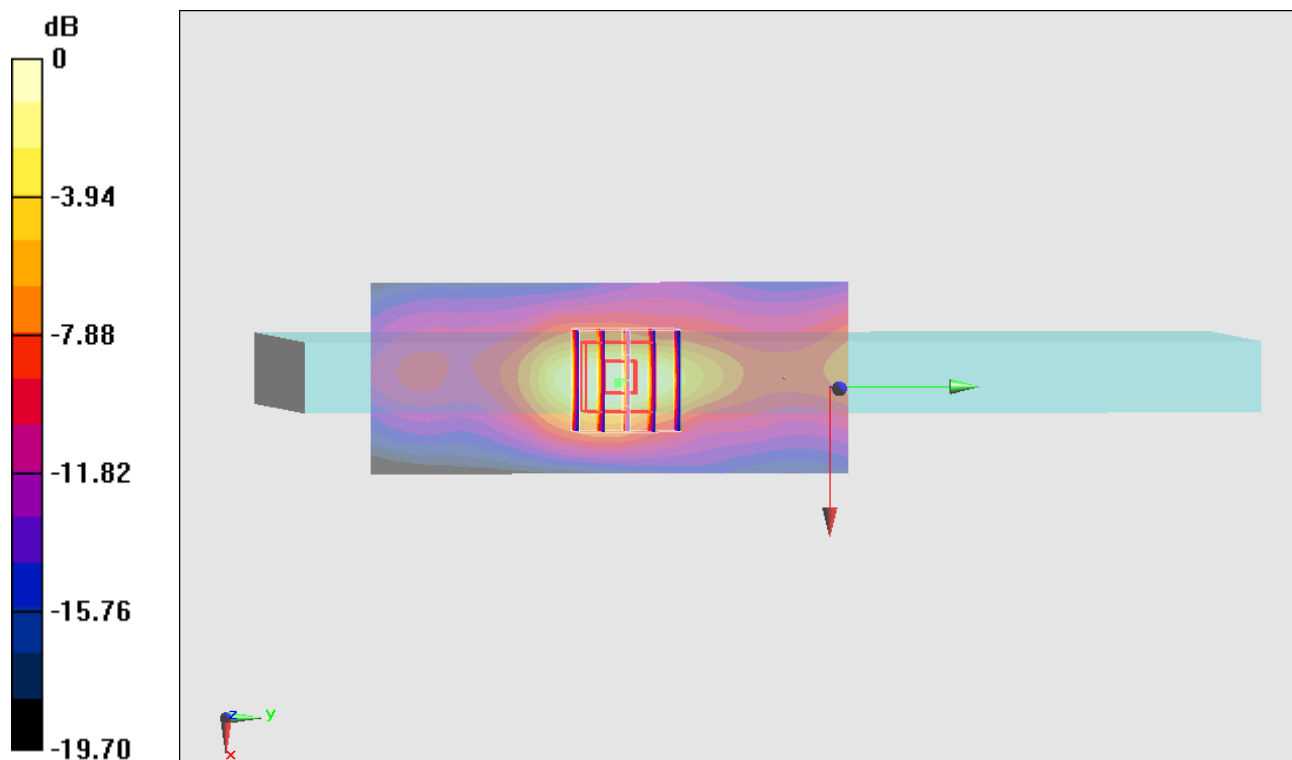
**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.024 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.536 mW/g

**SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.459 mW/g**

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



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



### #49\_WCDMA II\_HSUPA Subtest-5\_Edge 1\_0cm\_Ch9538

**DUT: 312810**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.554$  mho/m;  $\epsilon_r = 53.222$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.03 mW/g

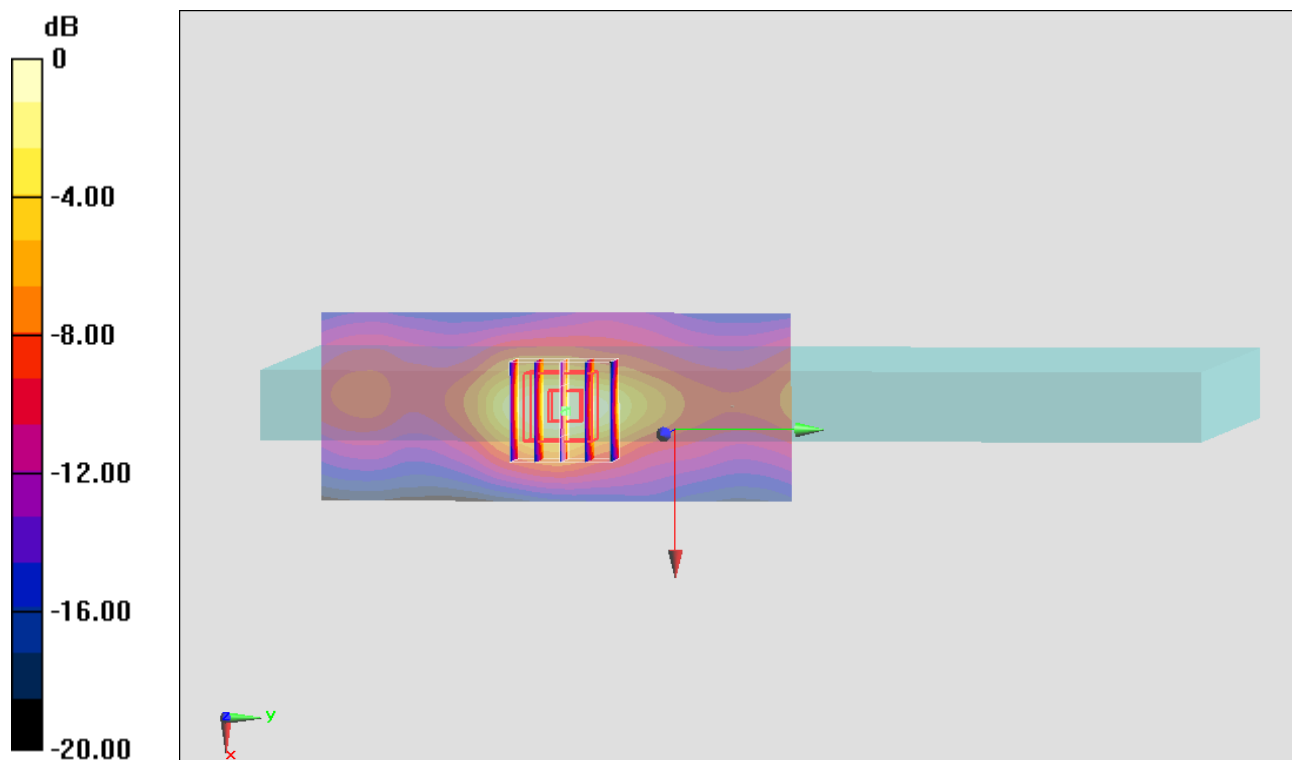
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.417 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.531 mW/g

**SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.456 mW/g**

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



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

### #60\_CDMA BC0\_RTAP 153.6kbps\_Bottom Face\_1cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_130209 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.954$  mho/m;  $\epsilon_r = 54.651$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.245 mW/g

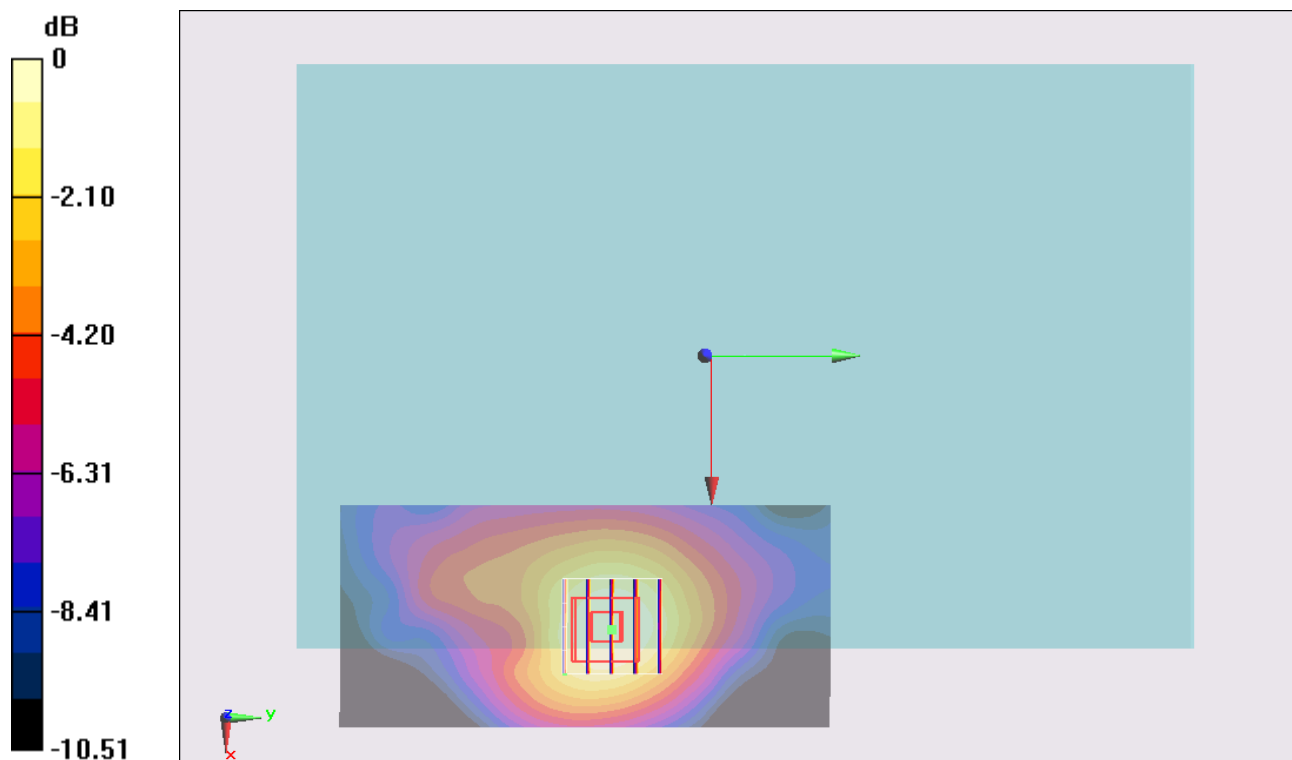
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.149 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.272 mW/g

**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.141 mW/g**

Maximum value of SAR (measured) = 0.225 mW/g



0 dB = 0.225 mW/g = -12.96 dB mW/g

### #63\_CDMA BC0\_RTAP 153.6Kbps\_Edge 1\_1.2cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_130209 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.954$  mho/m;  $\epsilon_r = 54.651$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.397 mW/g

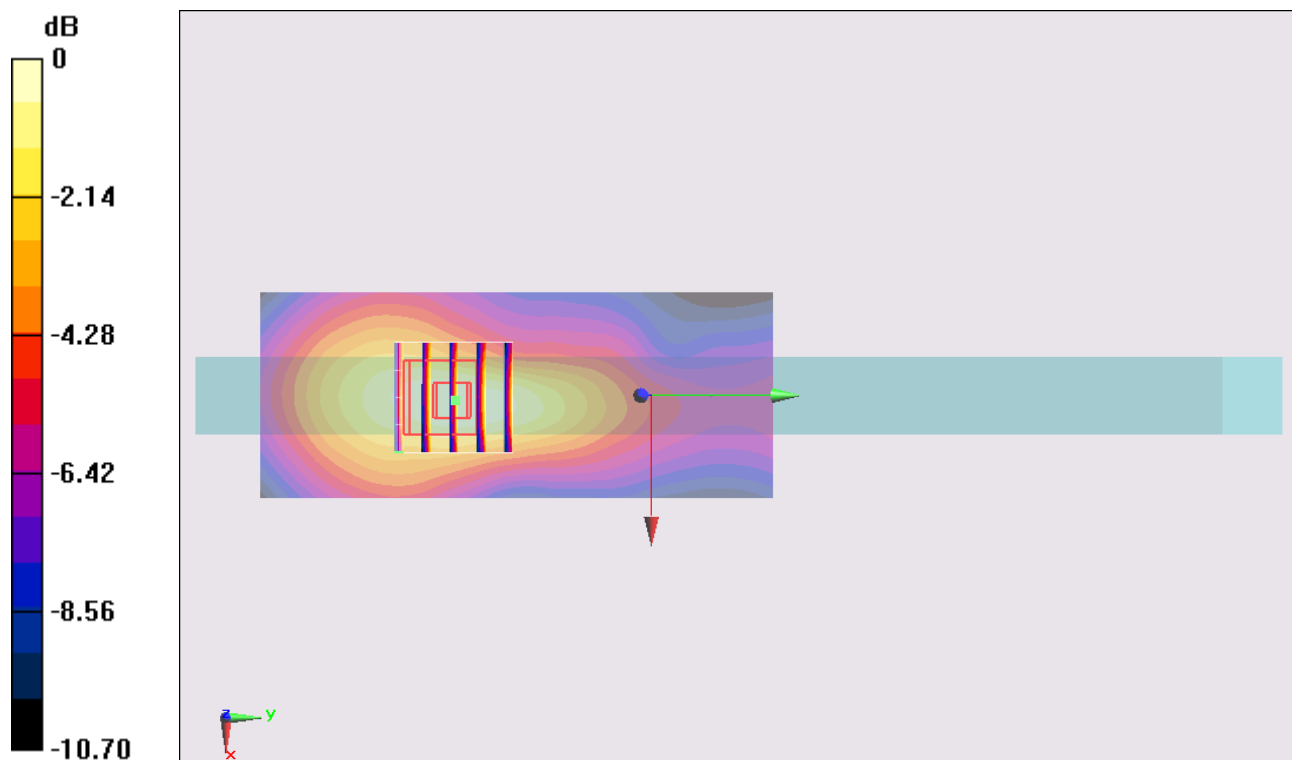
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.443 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.506 mW/g

**SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.228 mW/g**

Maximum value of SAR (measured) = 0.381 mW/g



0 dB = 0.381 mW/g = -8.38 dB mW/g

### #64\_CDMA BC0\_RTAP 153.6Kbps\_Edge 4\_0cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium: MSL\_850\_130209 Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.954 \text{ mho/m}$ ;  $\epsilon_r = 54.651$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.4 °C

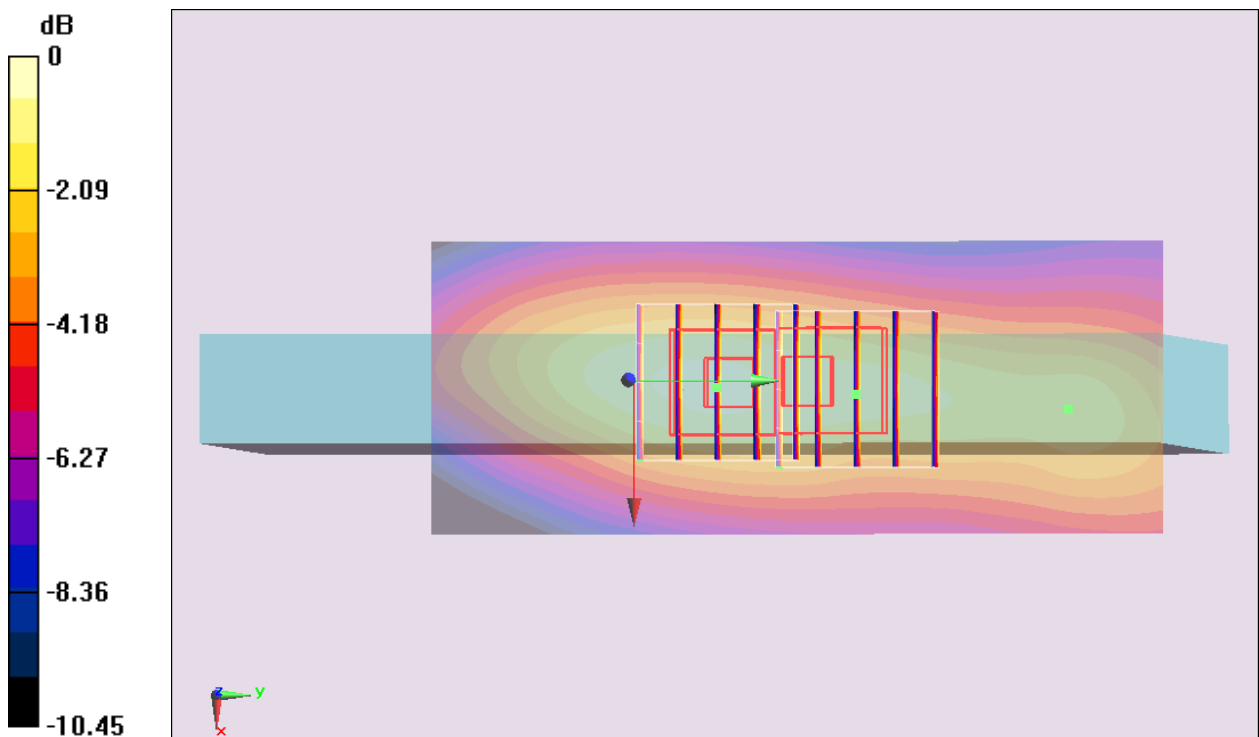
DASY5 Configuration:

- 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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 0.0598 mW/g

**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 3.299 V/m; Power Drift = 0.133 dB  
 Peak SAR (extrapolated) = 0.126 mW/g  
**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.041 mW/g**  
 Maximum value of SAR (measured) = 0.0686 mW/g

**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 3.299 V/m; Power Drift = 0.133 dB  
 Peak SAR (extrapolated) = 0.085 mW/g  
**SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.040 mW/g**  
 Maximum value of SAR (measured) = 0.0652 mW/g



0 dB = 0.0652 mW/g = -23.72 dB mW/g

### #62\_CDMA BC0\_RTAP 153.6kbps\_Bottom Face\_0cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_130209 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.954$  mho/m;  $\epsilon_r = 54.651$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (51x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.566 mW/g

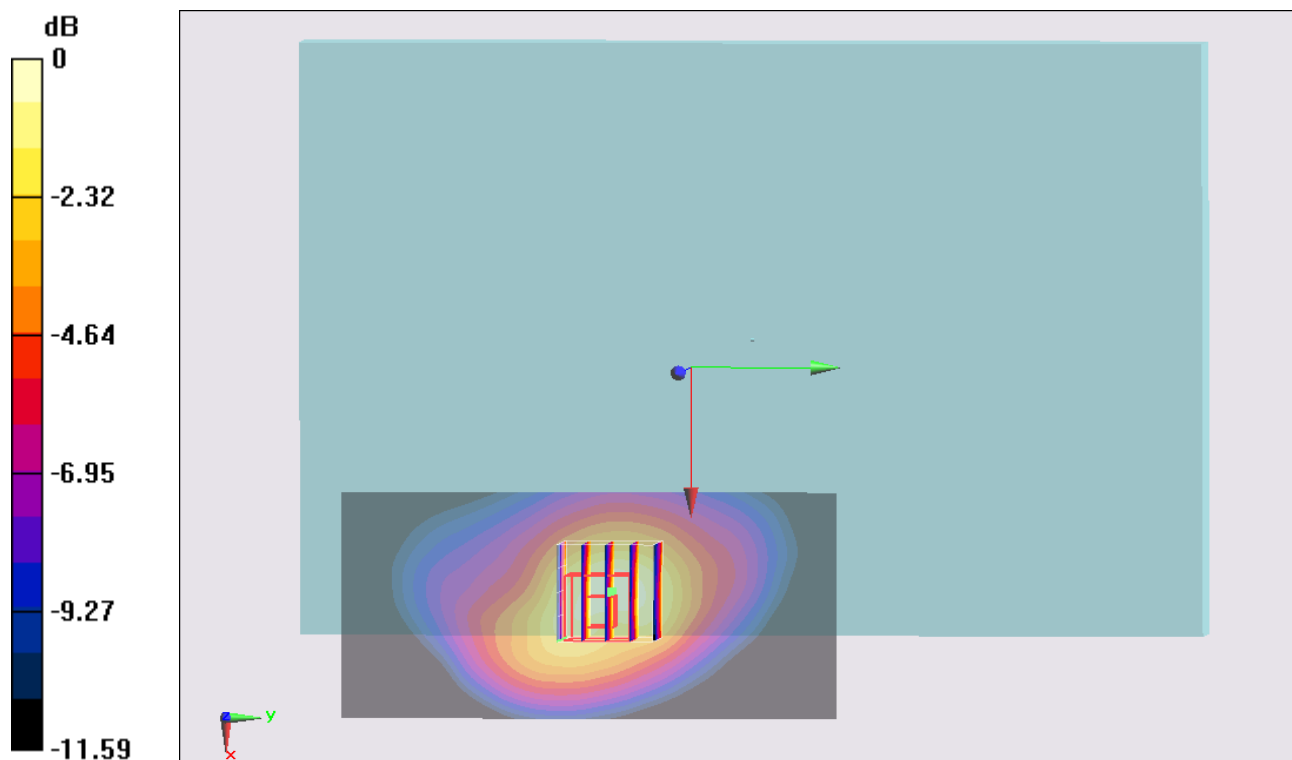
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.504 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.772 mW/g

**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.335 mW/g**

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.569 mW/g = -4.90 dB mW/g

### #06\_CDMA BC0\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_130206 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 52.792$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.55 mW/g

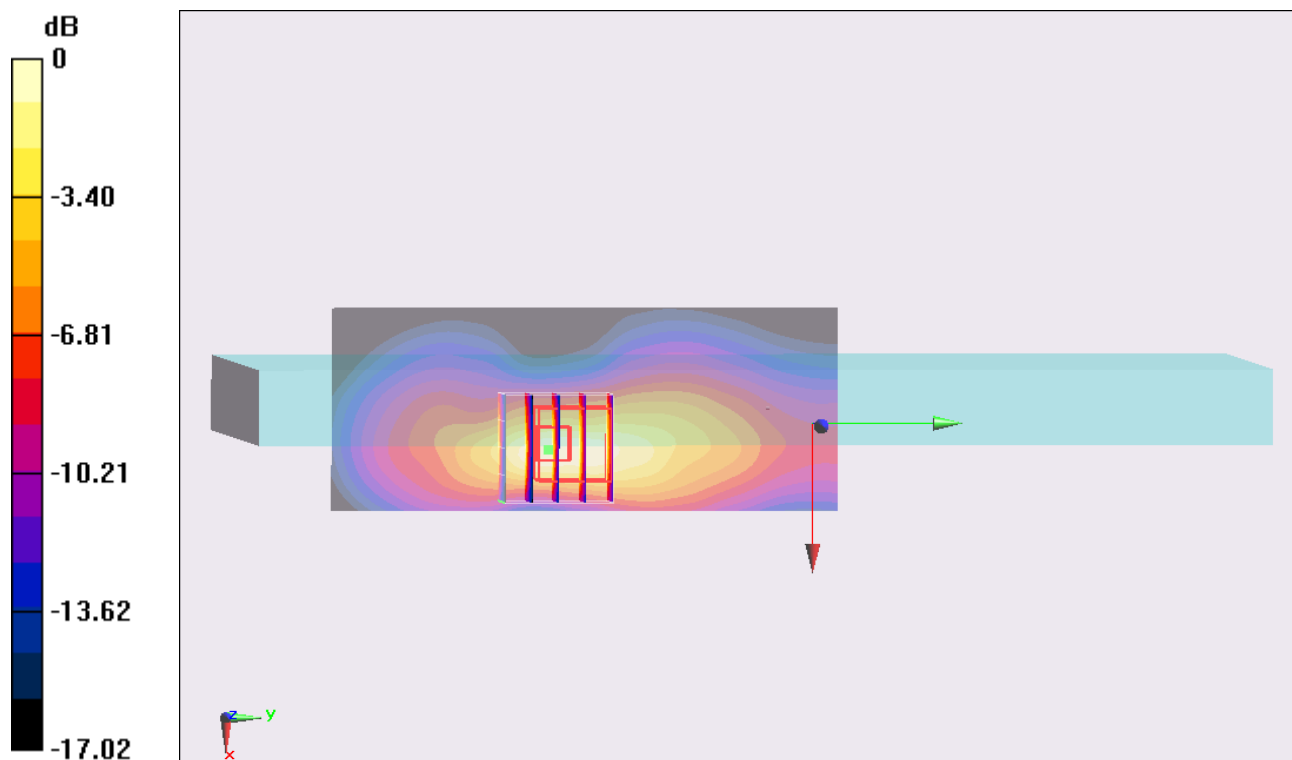
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.257 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.344 mW/g

**SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.625 mW/g**

Maximum value of SAR (measured) = 1.53 mW/g



0 dB = 1.53 mW/g = 3.69 dB mW/g

### #61\_CDMA BC0\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch1013

**DUT: 312810**

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_130209 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.954$  mho/m;  $\epsilon_r = 54.651$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1013/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.65 mW/g

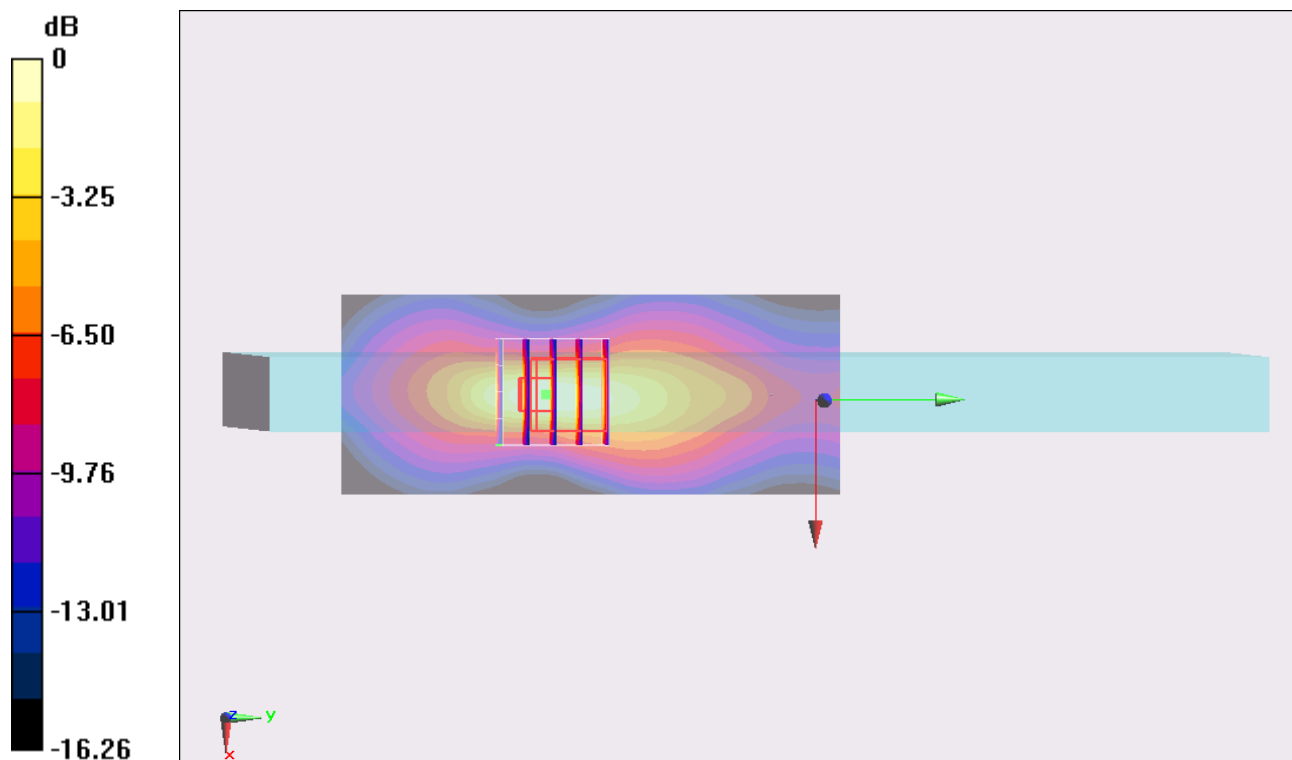
**Configuration/Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.651 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.843 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.603 mW/g**

Maximum value of SAR (measured) = 1.48 mW/g



0 dB = 1.48 mW/g = 3.41 dB mW/g

### #10\_CDMA BC0\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch384

**DUT: 312810**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_130206 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.957$  mho/m;  $\epsilon_r = 52.67$ ;  $\rho =$

$1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch384/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.33 mW/g

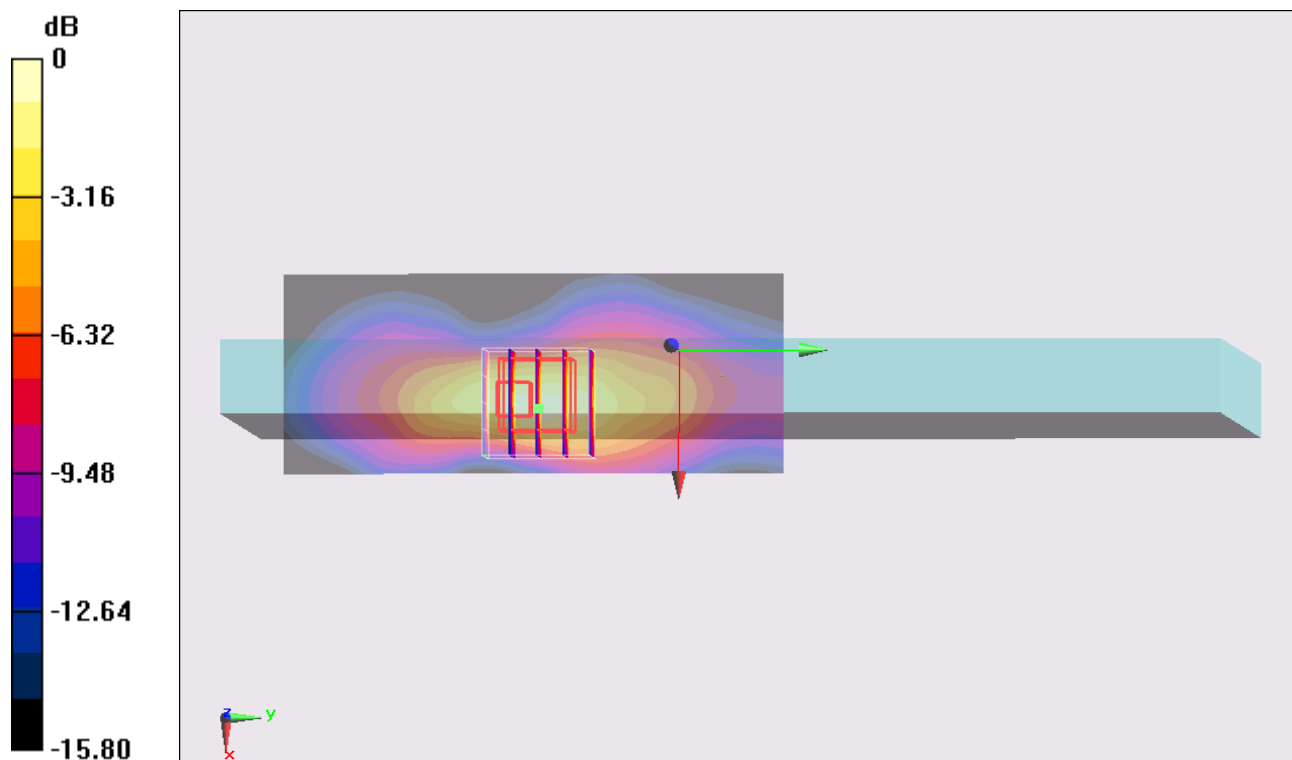
**Configuration/Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.529 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 2.995 mW/g

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.646 mW/g**

Maximum value of SAR (measured) = 1.45 mW/g



0 dB = 1.45 mW/g = 3.23 dB mW/g



### #11\_CDMA BC0\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch777

**DUT: 312810**

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: MSL\_850\_130206 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r = 52.555$ ;

$\rho = 1000$  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 v5.0 Left; Type: QDOVA002AA; Serial: TP:1131
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch777/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.33 mW/g

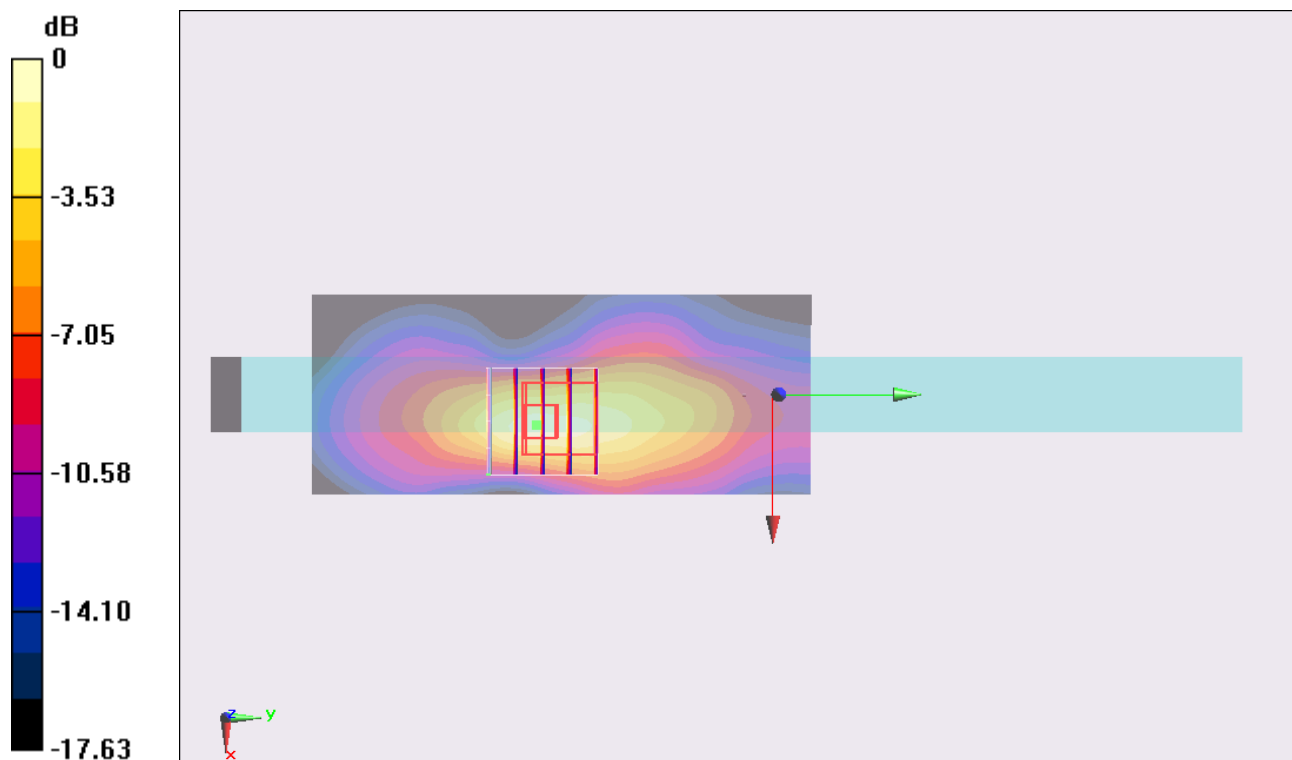
**Configuration/Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.335 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.853 mW/g

**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.619 mW/g**

Maximum value of SAR (measured) = 1.48 mW/g



0 dB = 1.48 mW/g = 3.41 dB mW/g

### #34\_CDMA BC1\_RTAP 153.6Kbps\_Bottom Face\_1cm\_Ch25

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.468 mW/g

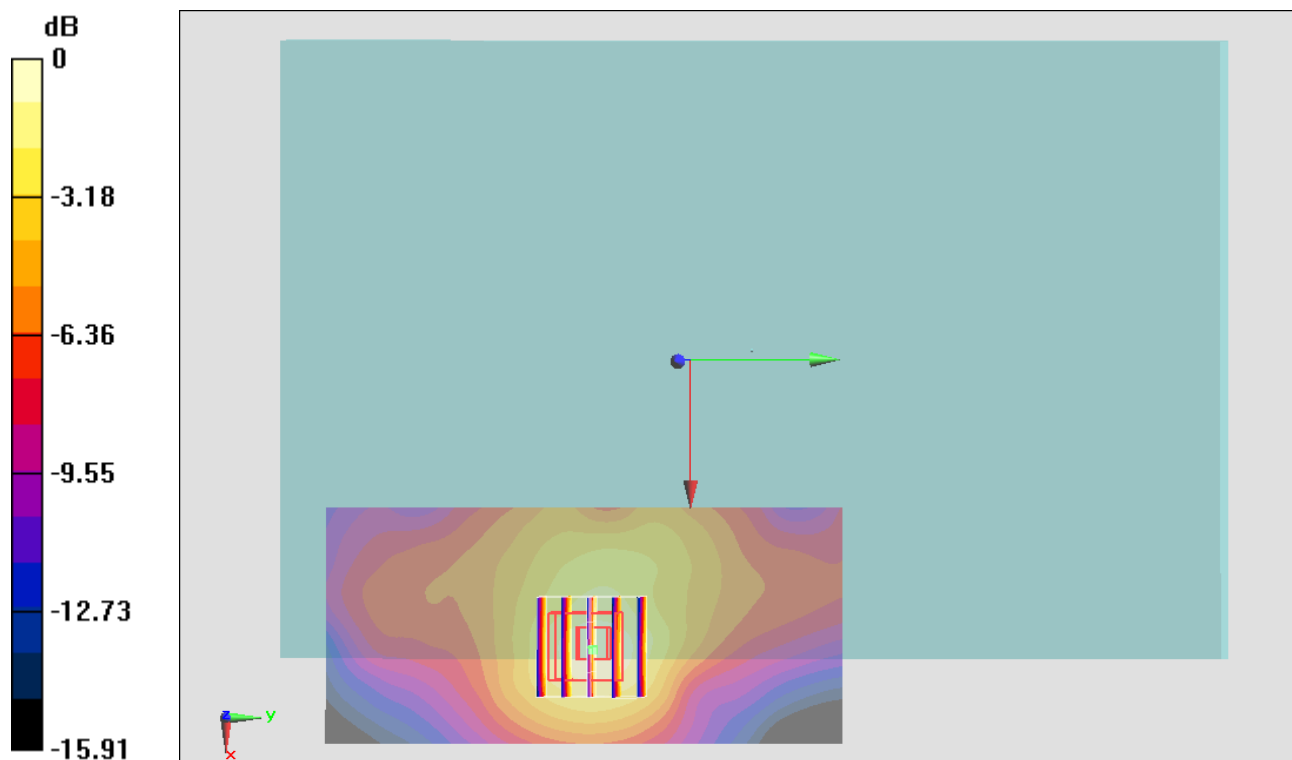
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.507 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.797 mW/g

**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.276 mW/g**

Maximum value of SAR (measured) = 0.488 mW/g



0 dB = 0.488 mW/g = -6.23 dB mW/g

## #02\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_1.2cm\_Ch25

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.23 mW/g

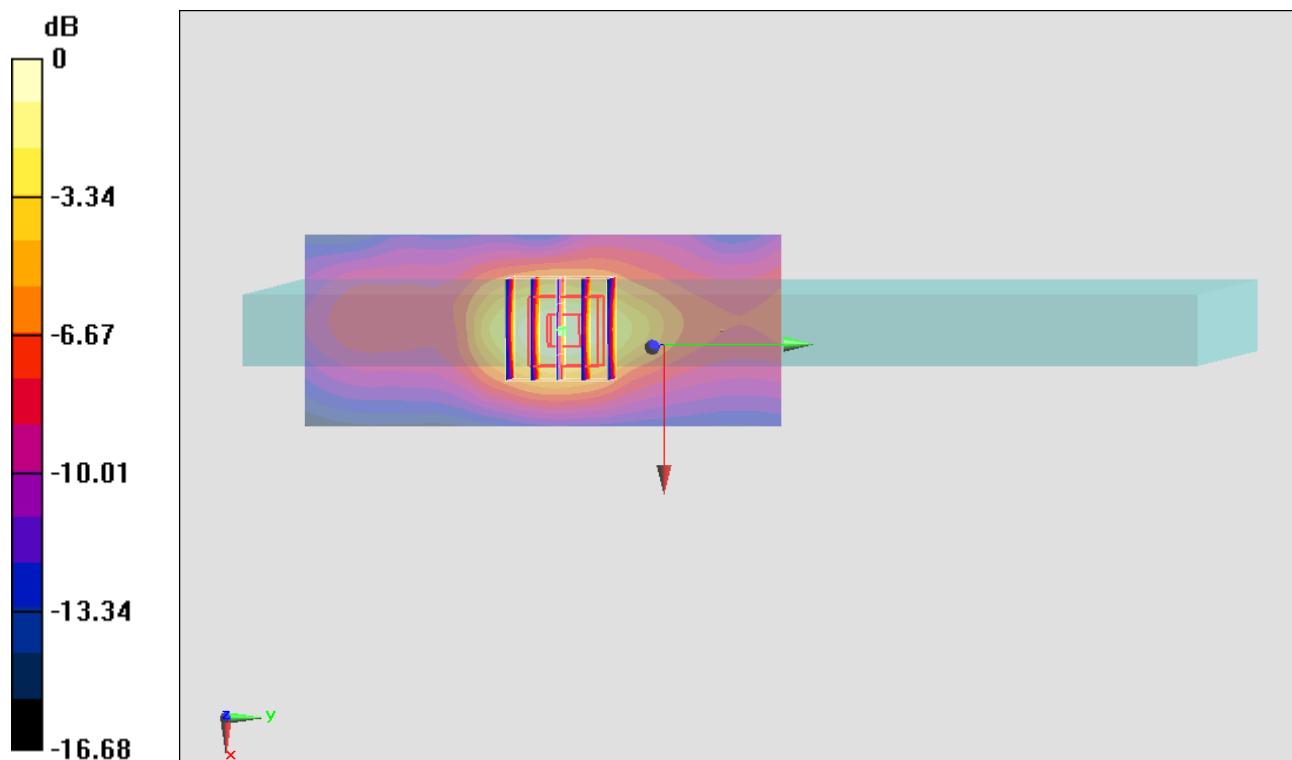
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.779 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.200 mW/g

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.600 mW/g**

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



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

**#35\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_1.2cm\_Ch25;Repeat**

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.08 mW/g

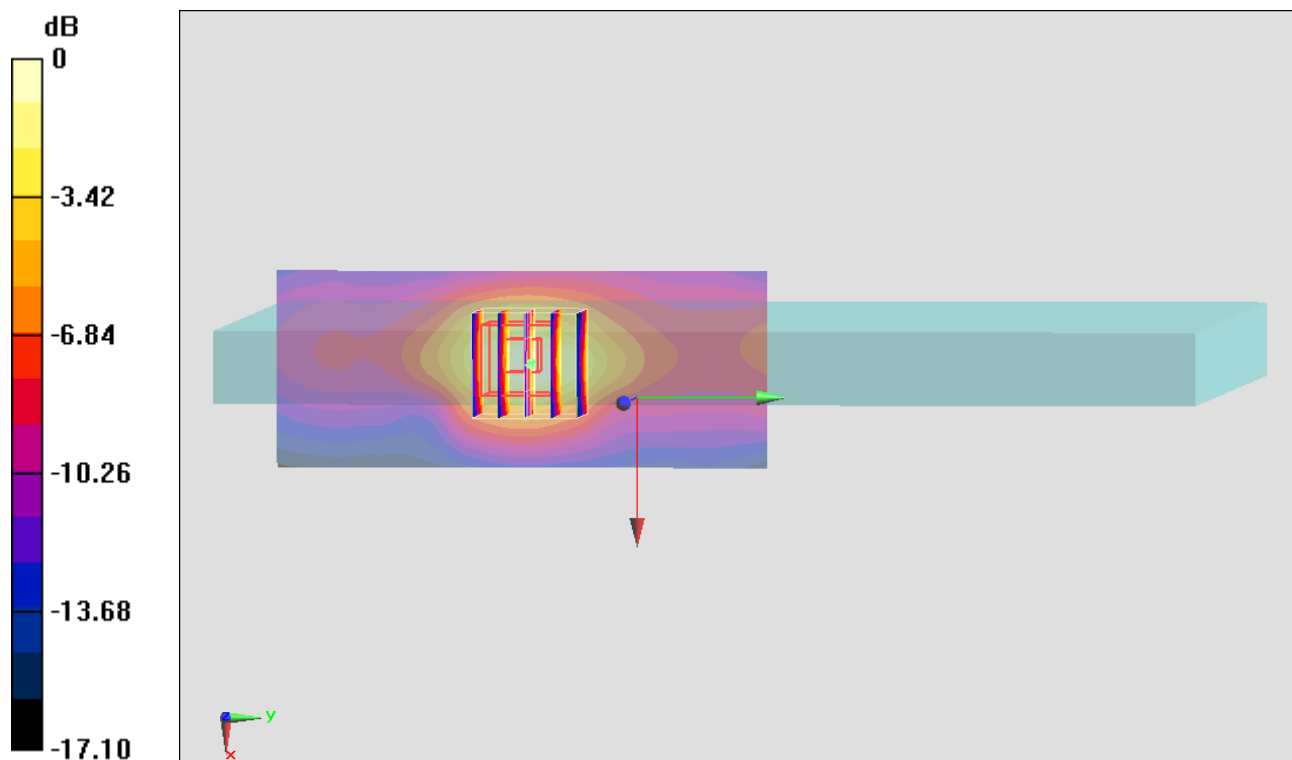
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.458 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.840 mW/g

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.598 mW/g**

Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17 mW/g = 1.36 dB mW/g

## #28\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_1.2cm\_Ch600

**DUT: 312810**

Communication System: CDMA ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.18 mW/g

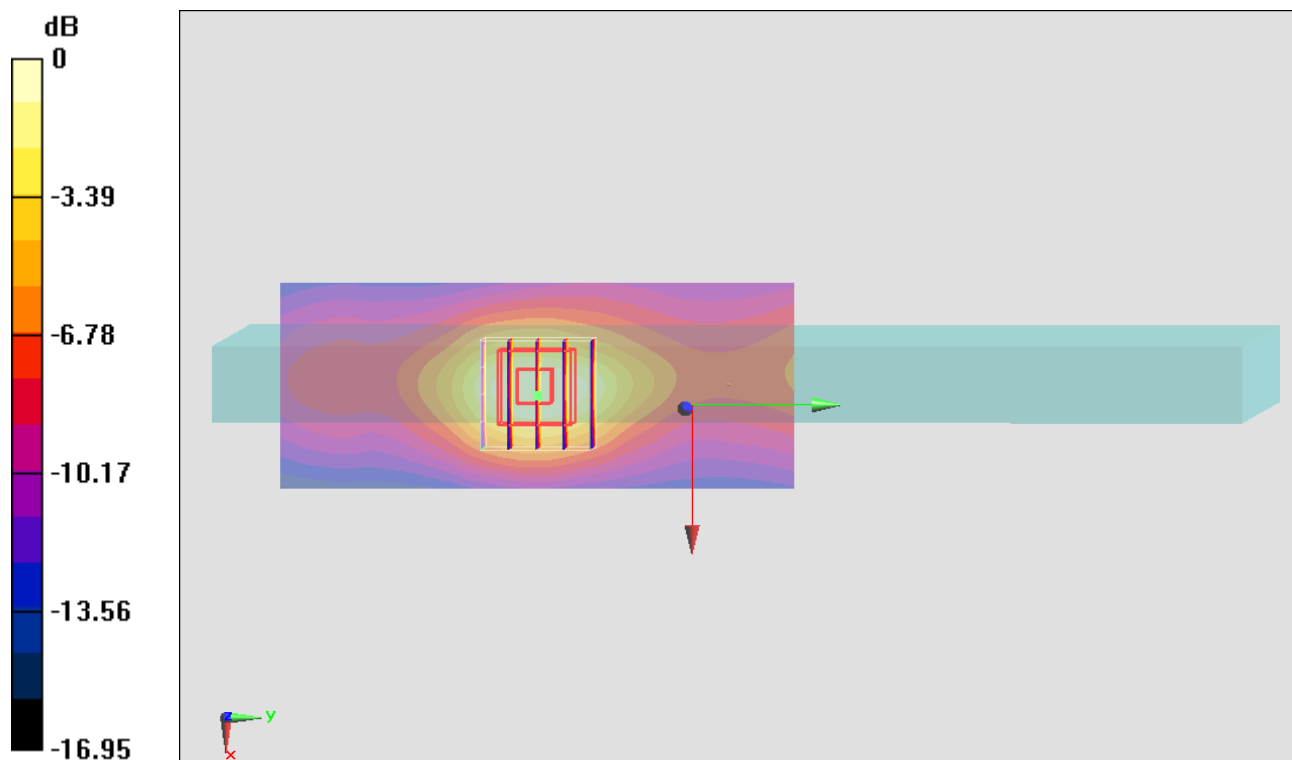
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.196 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.660 mW/g

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.588 mW/g**

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



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

## #29\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_1.2cm\_Ch1175

**DUT: 312810**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r = 53.221$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.11 mW/g

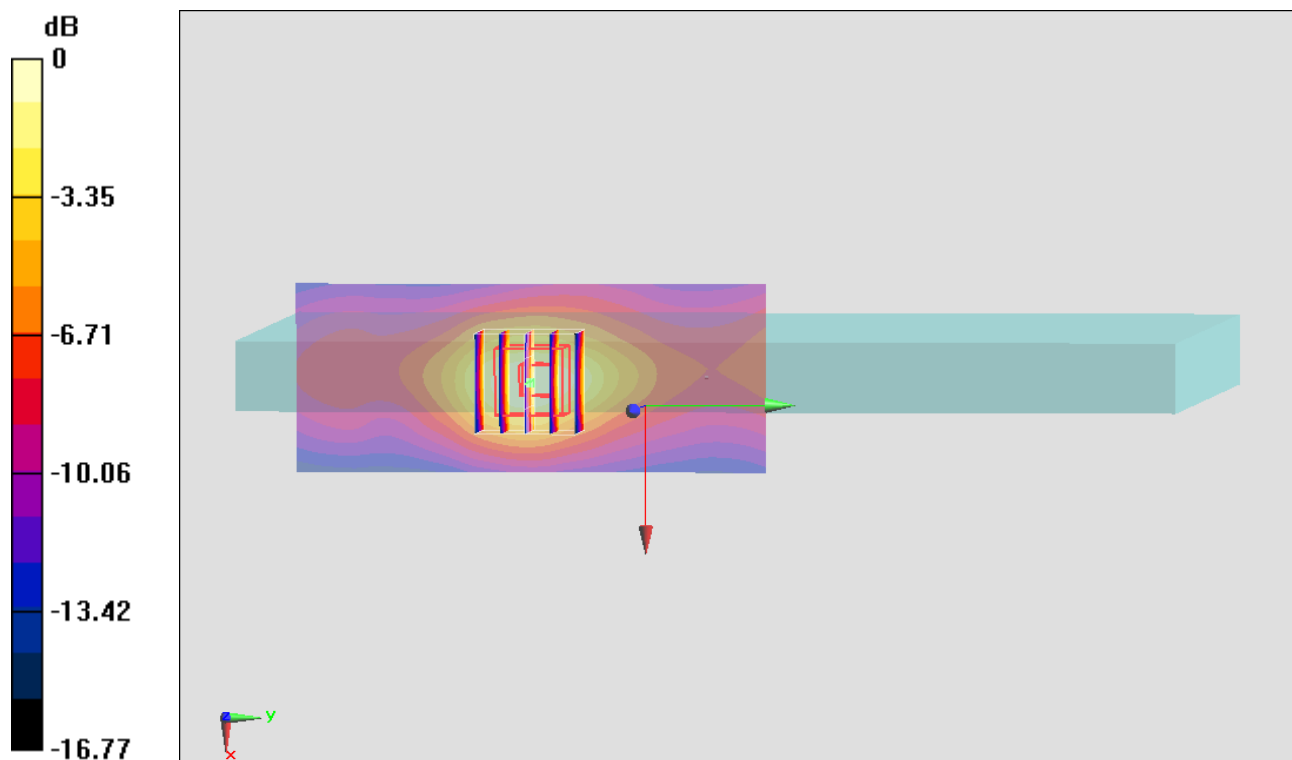
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.683 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.609 mW/g

**SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.552 mW/g**

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



### #30\_CDMA BC1\_RTAP 153.6Kbps\_Edge 4\_0cm\_Ch25

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- 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) = 0.0717 mW/g

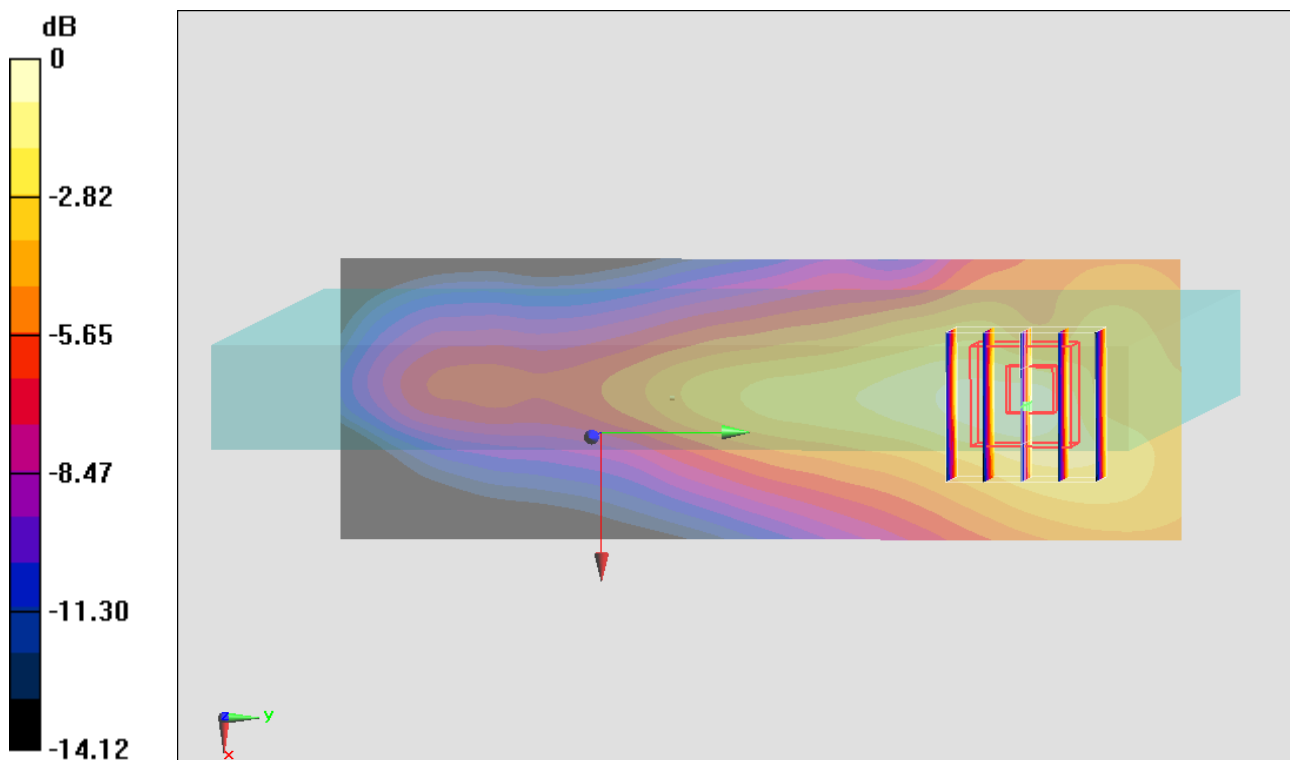
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.714 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.103 mW/g

**SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.043 mW/g**

Maximum value of SAR (measured) = 0.0770 mW/g



0 dB = 0.0770 mW/g = -22.27 dB mW/g

### #31\_CDMA BC1\_RTAP 153.6Kbps\_Bottom Face\_0cm\_Ch25

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 53.41$ ;

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.839 mW/g

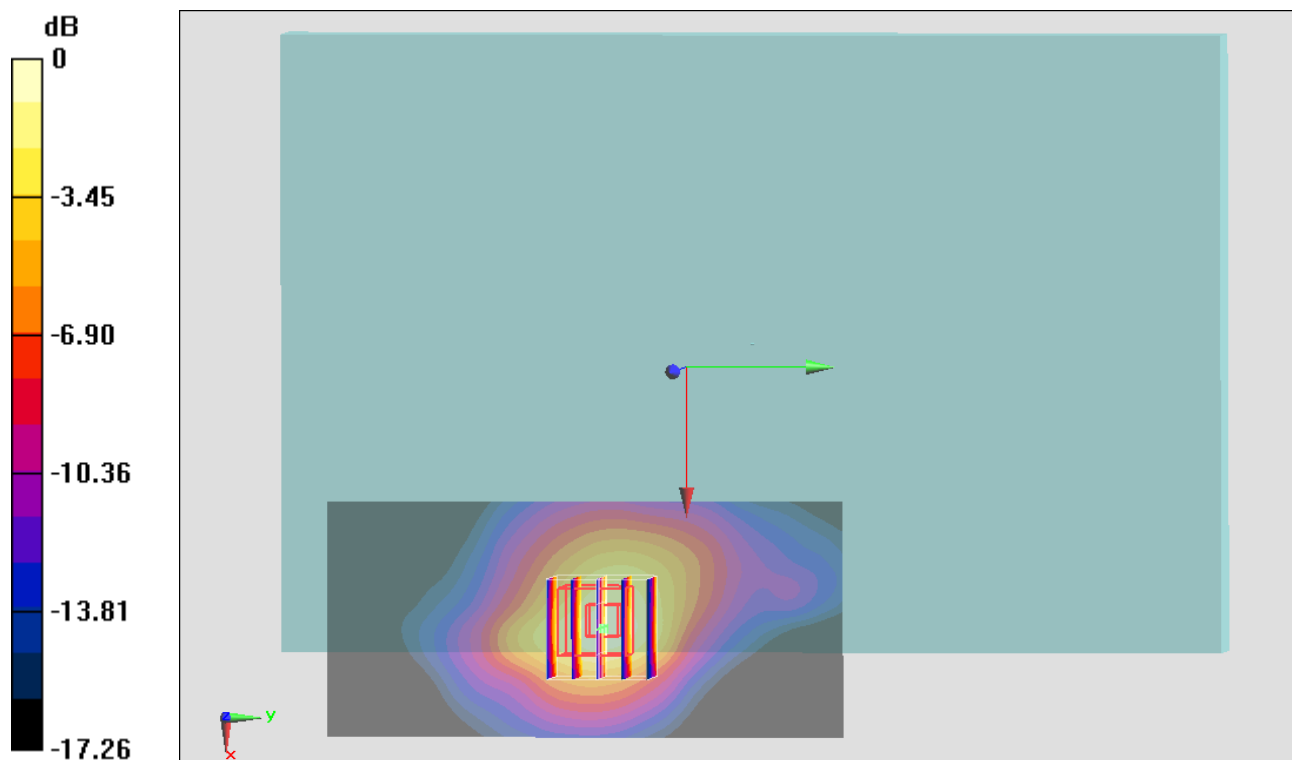
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.972 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.297 mW/g

**SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.440 mW/g**

Maximum value of SAR (measured) = 0.872 mW/g



0 dB = 0.872 mW/g = -1.19 dB mW/g



### #32\_CDMA BC1\_RTAP 153.6Kbps\_Bottom Face\_0cm\_Ch600

**DUT: 312810**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.523$  mho/m;  $\epsilon_r = 53.341$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.839 mW/g

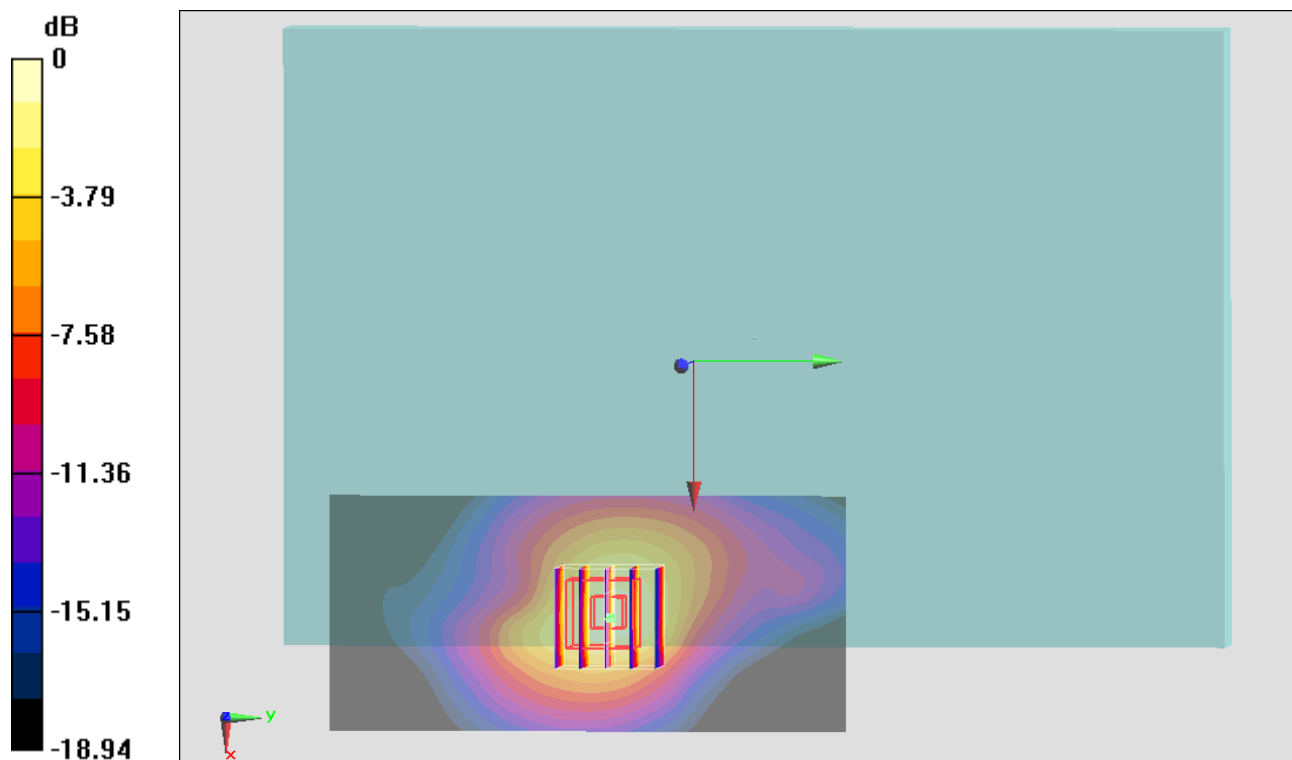
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.261 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.330 mW/g

**SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.430 mW/g**

Maximum value of SAR (measured) = 0.892 mW/g



0 dB = 0.892 mW/g = -0.99 dB mW/g

### #33\_CDMA BC1\_RTAP 153.6Kbps\_Bottom Face\_0cm\_Ch1175

**DUT: 312810**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130208 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r = 53.221$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.782 mW/g

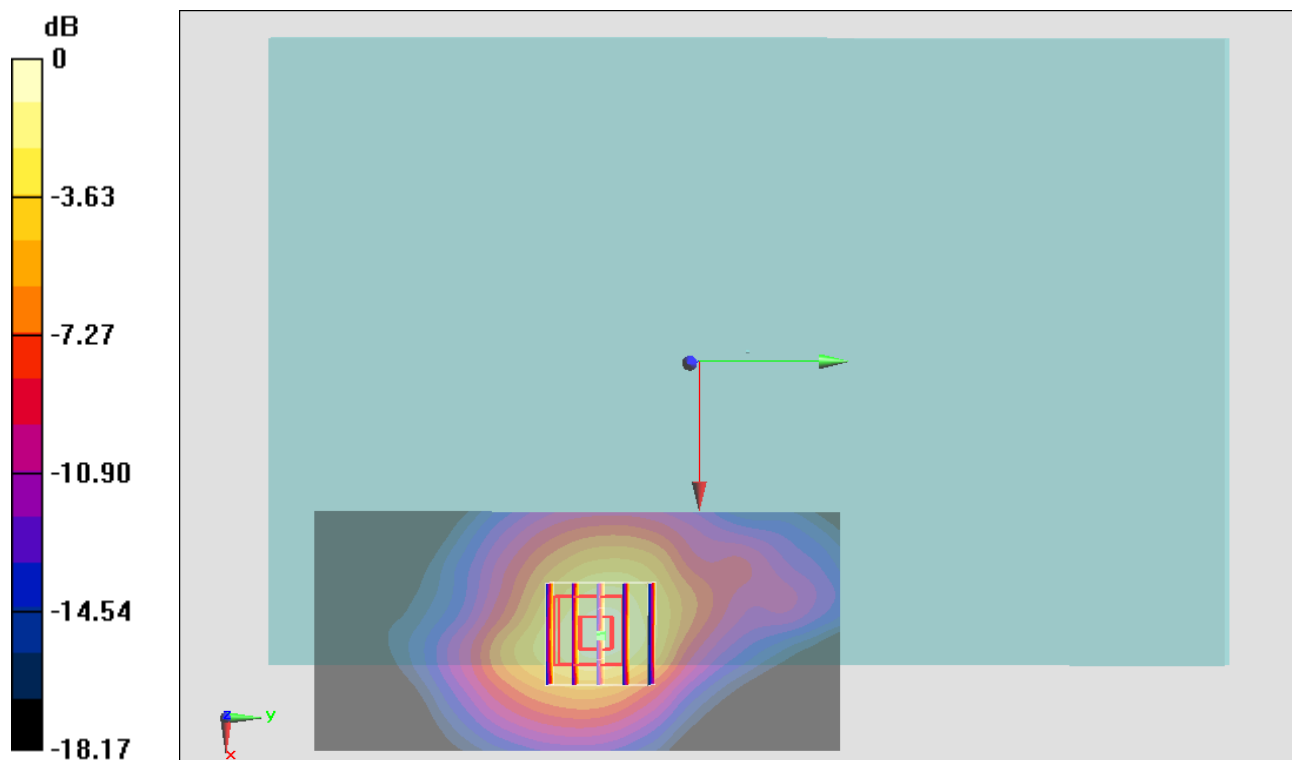
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.128 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.163 mW/g

**SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.401 mW/g**

Maximum value of SAR (measured) = 0.842 mW/g



0 dB = 0.842 mW/g = -1.49 dB mW/g

### #01\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch25

**DUT: 312810**

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130206 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.449$  mho/m;  $\epsilon_r =$

$53.186$ ;  $\rho = 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch25/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.14 mW/g

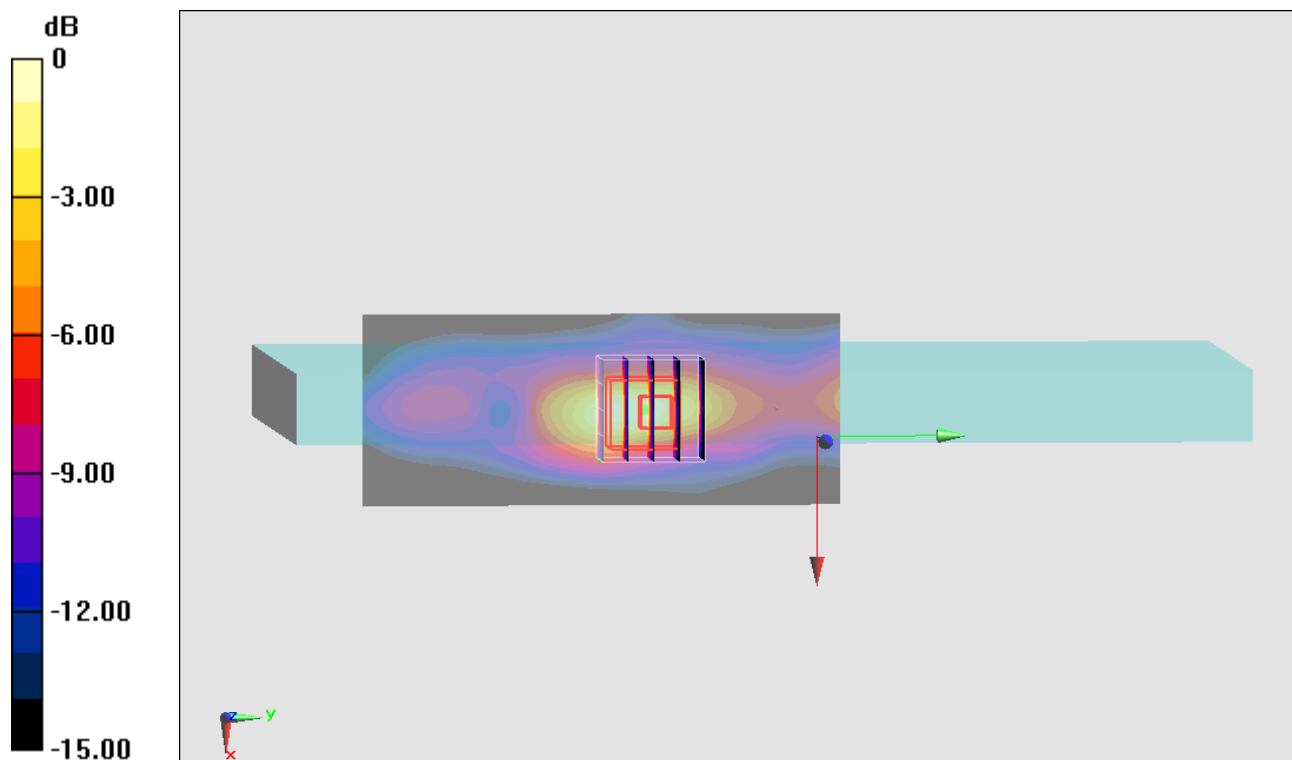
**Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.839 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.918 mW/g

**SAR(1 g) = 0.959 mW/g; SAR(10 g) = 0.457 mW/g**

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



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

## #12\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch600

**DUT: 312810**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.481$  mho/m;  $\epsilon_r = 53.093$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch600/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.16 mW/g

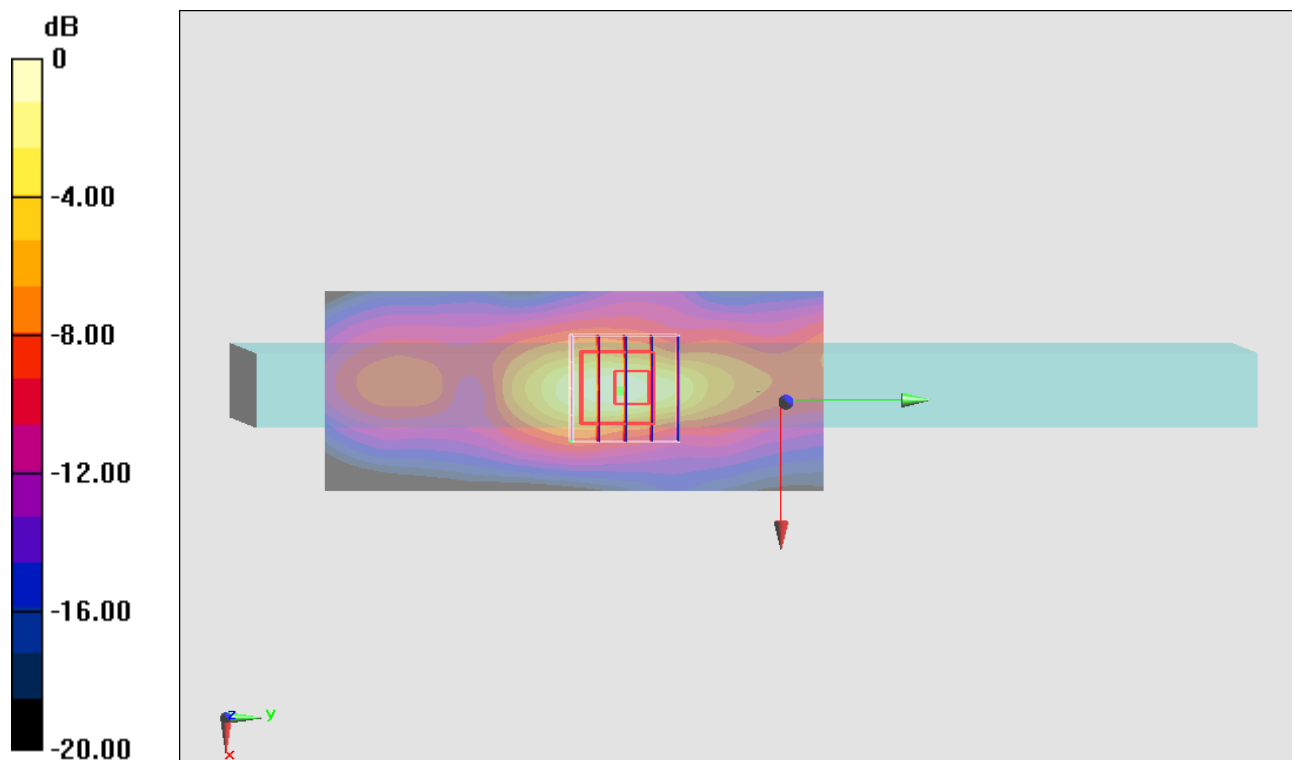
**Configuration/Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.647 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.001 mW/g

**SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.459 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21 mW/g = 1.66 dB mW/g

### #13\_CDMA BC1\_RTAP 153.6Kbps\_Edge 1\_0cm\_Ch1175

**DUT: 312810**

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: MSL\_1900\_130206 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r = 52.991$ ;  $\rho$

$= 1000$  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 v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1175/Area Scan (41x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.12 mW/g

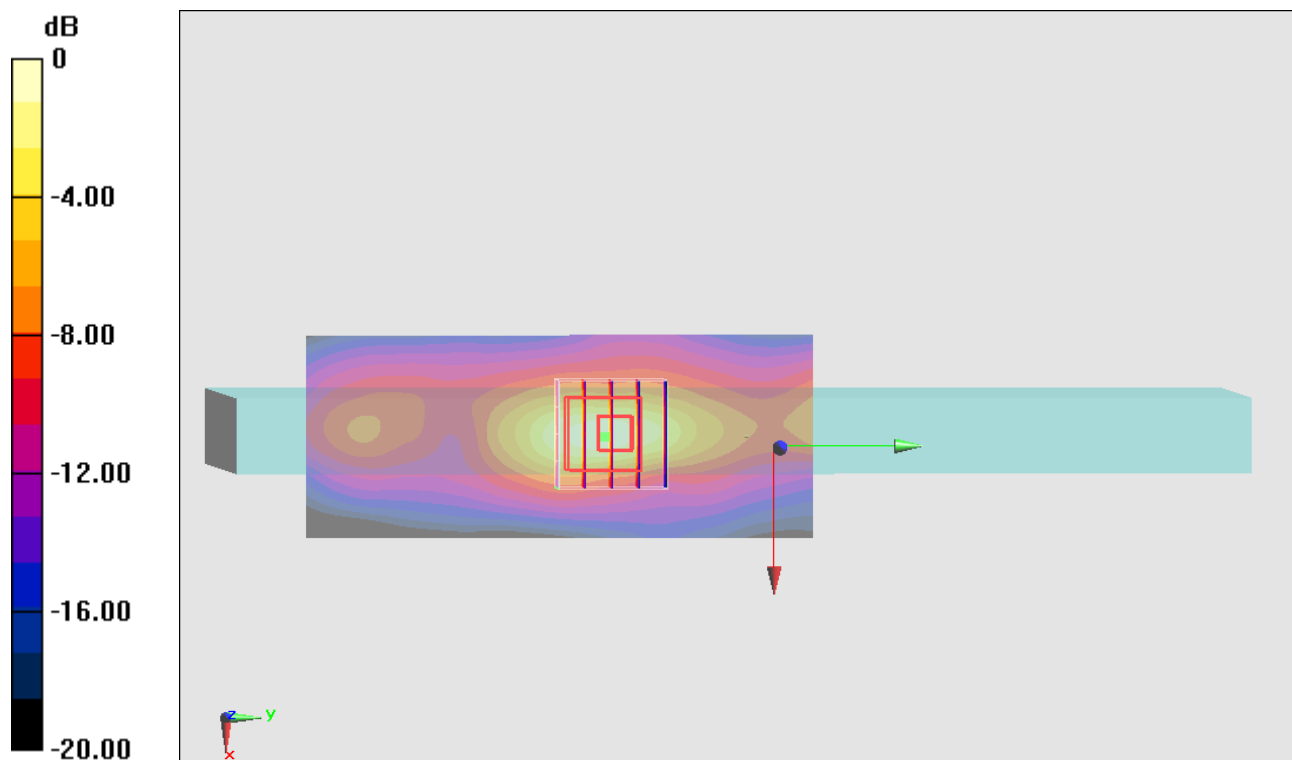
**Configuration/Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.715 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.116 mW/g

**SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15 mW/g = 1.21 dB mW/g