



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

The plots are shown as follows.

## #49\_WLAN2.4G\_802.11b\_Bottom Face\_0cm\_Ch6;Ant 0

**DUT: 322149-01**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.001$  mho/m;  $\epsilon_r = 53.956$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (81x111x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 0.125 mW/g

**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.663 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.159 mW/g

**SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.117 mW/g

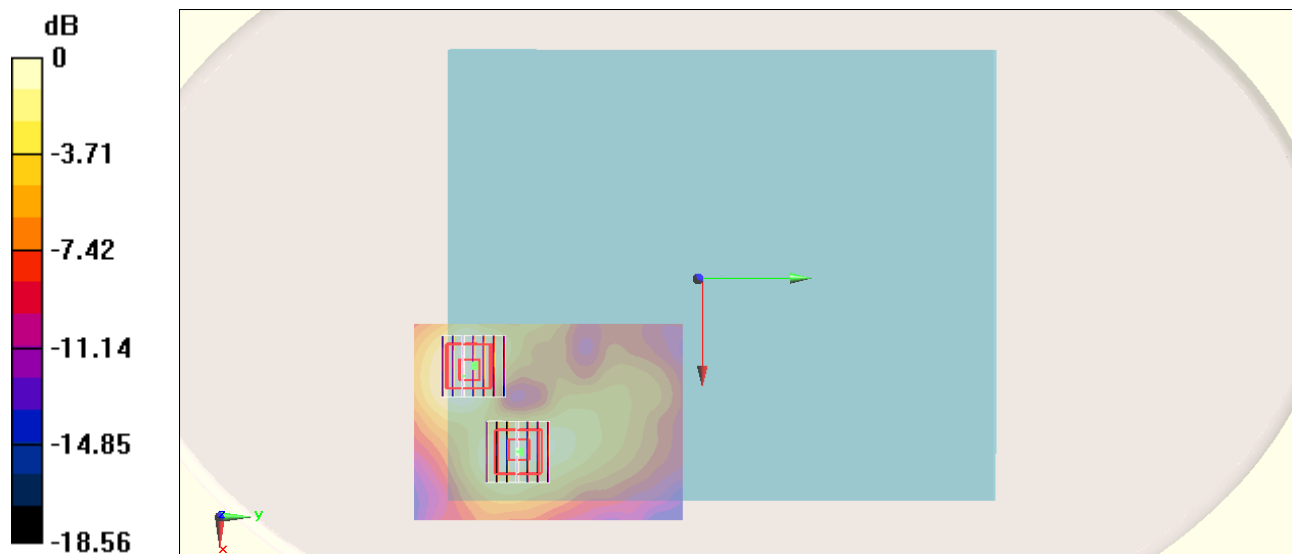
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.663 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.122 mW/g

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.0920 mW/g



0 dB = 0.0920 mW/g = -20.72 dB mW/g

### #50\_WLAN2.4G\_802.11b\_Edge4\_0cm\_Ch6;Ant 0

**DUT: 322149-01**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.001$  mho/m;  $\epsilon_r = 53.956$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (61x101x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.485 mW/g

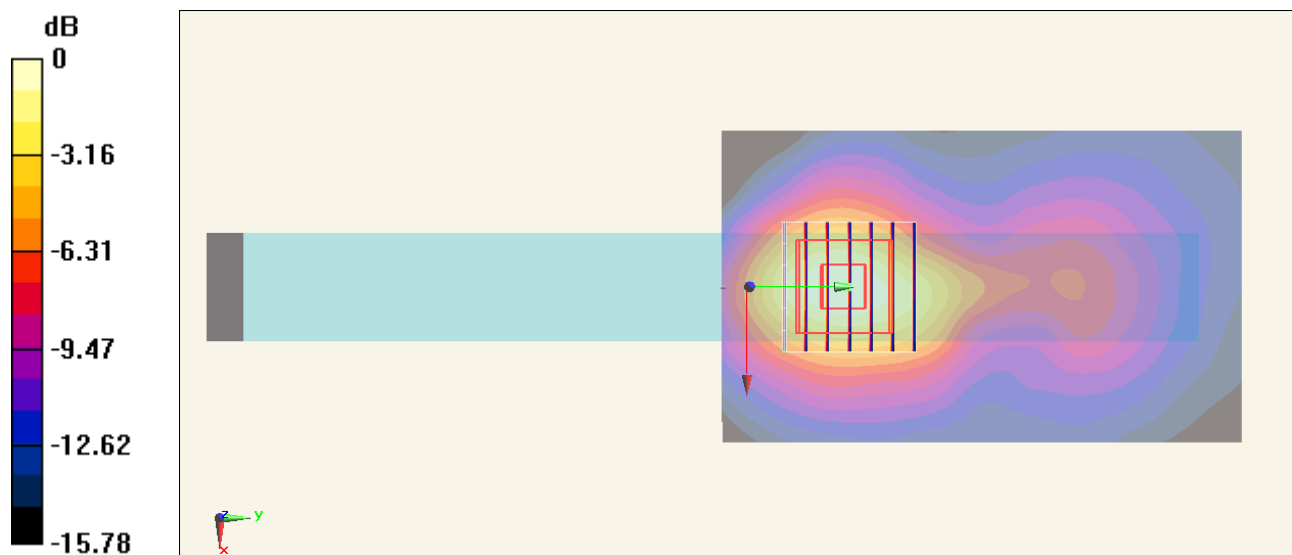
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.545 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.633 mW/g

**SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.174 mW/g**

Maximum value of SAR (measured) = 0.486 mW/g



0 dB = 0.486 mW/g = -6.27 dB mW/g

## #48\_WLAN2.4G\_802.11b\_Bottom Face\_0cm\_Ch1;Ant 1

**DUT: 322149-01**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.963$  mho/m;  $\epsilon_r = 54.025$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1/Area Scan (81x111x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 0.0646 mW/g

**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.205 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.073 mW/g

**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g**

Maximum value of SAR (measured) = 0.0550 mW/g

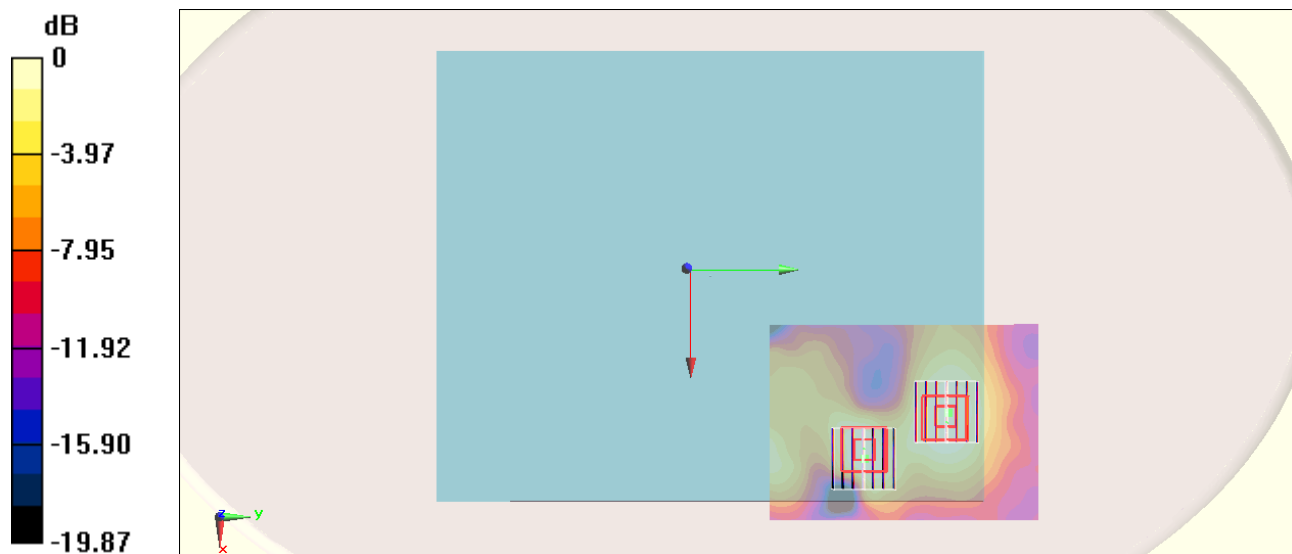
**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.205 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.074 mW/g

**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.019 mW/g**

Maximum value of SAR (measured) = 0.0544 mW/g



0 dB = 0.0544 mW/g = -25.29 dB mW/g

### #51\_WLAN2.4G\_802.11b\_Edge2\_0cm\_Ch1;Ant 1

**DUT: 322149-01**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.963$  mho/m;  $\epsilon_r = 54.025$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1/Area Scan (61x101x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.0783 mW/g

**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.107 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.098 mW/g

**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.0746 mW/g

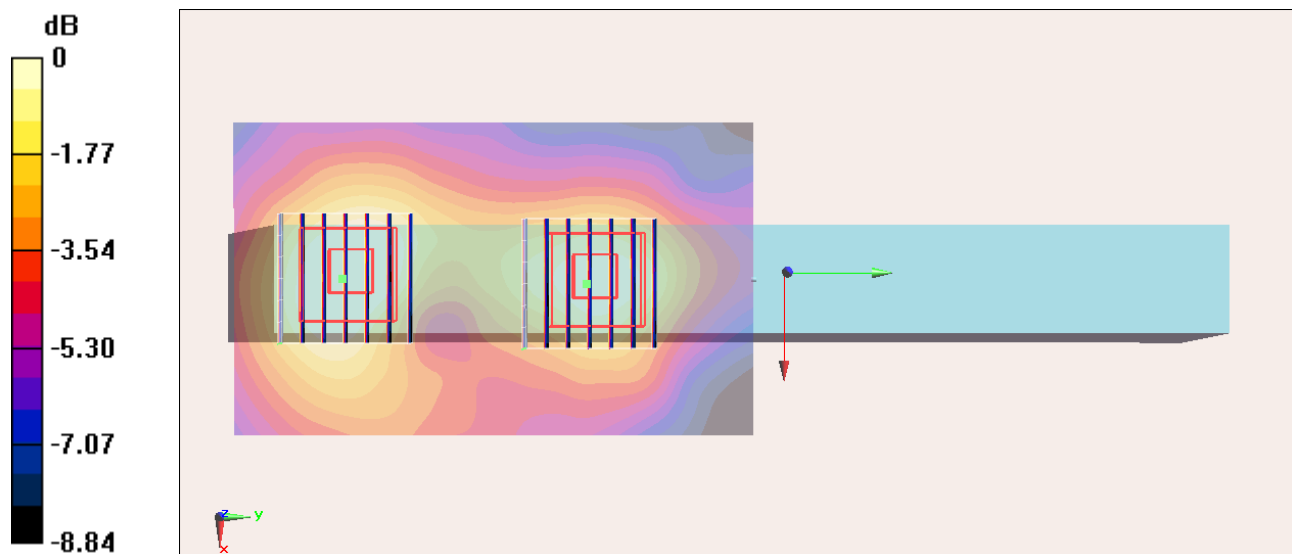
**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.107 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.079 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.0600 mW/g



**#52\_WLAN2.4G\_802.11n-HT20\_Bottom Face\_0cm\_Ch6;Ant 0+1**

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.001 \text{ mho/m}$ ;  $\epsilon_r = 53.956$ ;  $\rho$

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

Ambient Temperature :  $22.4^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (81x251x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.0565 \text{ mW/g}$

**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $5.266 \text{ V/m}$ ; Power Drift =  $-0.16 \text{ dB}$

Peak SAR (extrapolated) =  $0.078 \text{ mW/g}$

**SAR(1 g) =  $0.038 \text{ mW/g}$ ; SAR(10 g) =  $0.020 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0559 \text{ mW/g}$

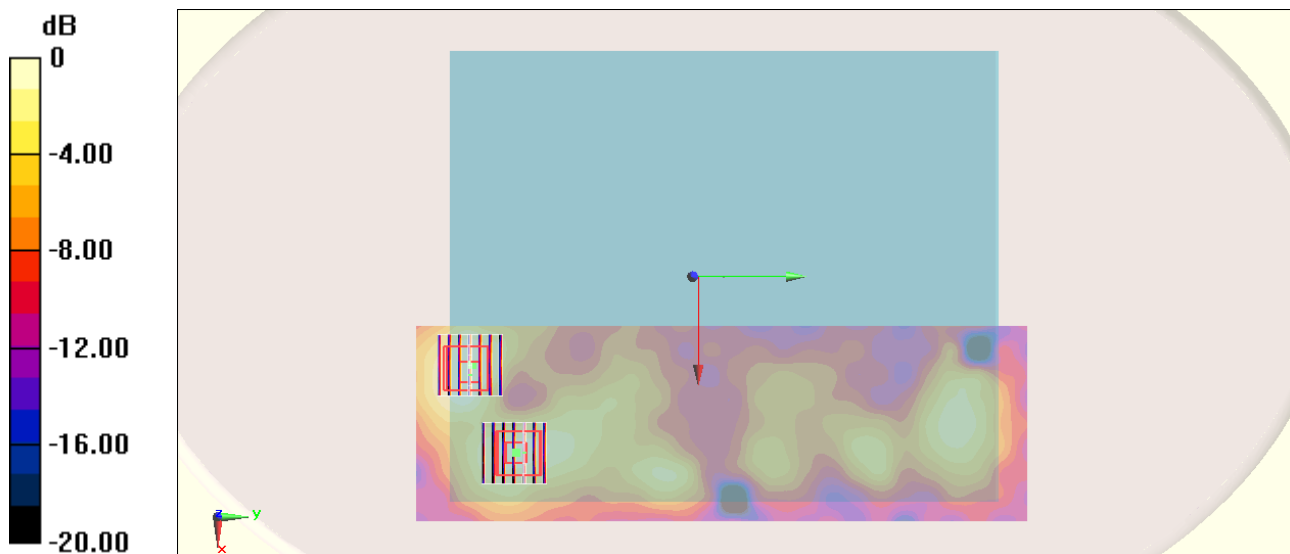
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $5.266 \text{ V/m}$ ; Power Drift =  $-0.16 \text{ dB}$

Peak SAR (extrapolated) =  $0.063 \text{ mW/g}$

**SAR(1 g) =  $0.030 \text{ mW/g}$ ; SAR(10 g) =  $0.015 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0461 \text{ mW/g}$



$0 \text{ dB} = 0.0461 \text{ mW/g} = -26.73 \text{ dB mW/g}$

### #53\_WLAN2.4G\_802.11n-HT20\_Edge2\_0cm\_Ch6;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.001$  mho/m;  $\epsilon_r = 53.956$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (61x101x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.0354 mW/g

**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.151 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.048 mW/g

**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.0348 mW/g

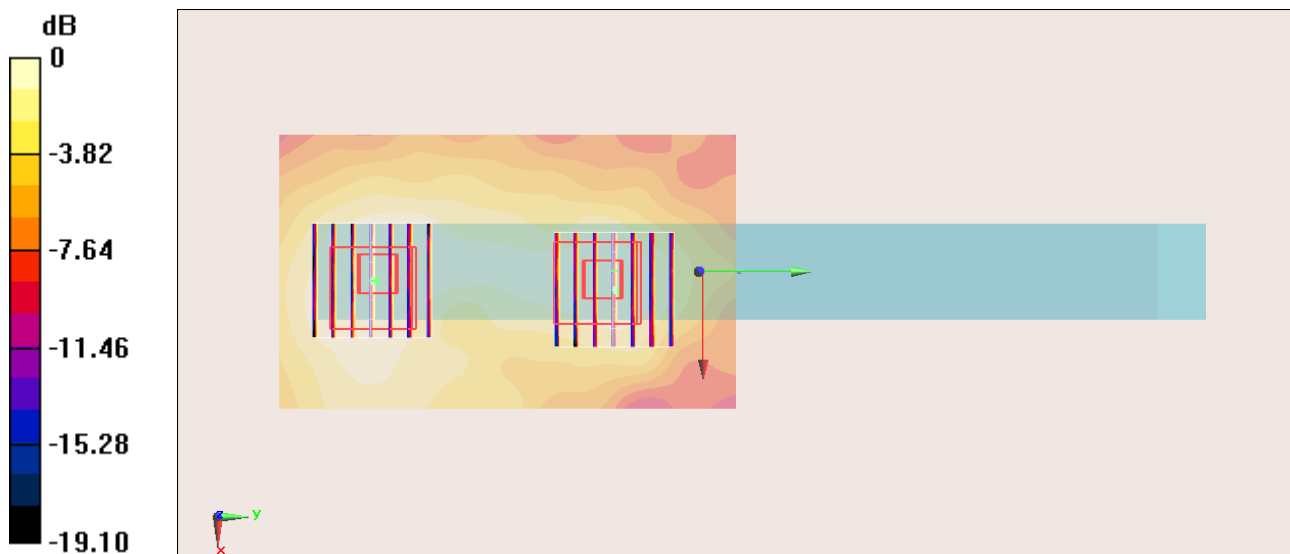
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.151 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.031 mW/g

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00875 mW/g**

Maximum value of SAR (measured) = 0.0243 mW/g



0 dB = 0.0243 mW/g = -32.29 dB mW/g

### #54\_WLAN2.4G\_802.11n-HT20\_Edge4\_0cm\_Ch6;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130318 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.001$  mho/m;  $\epsilon_r = 53.956$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (61x101x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.209 mW/g

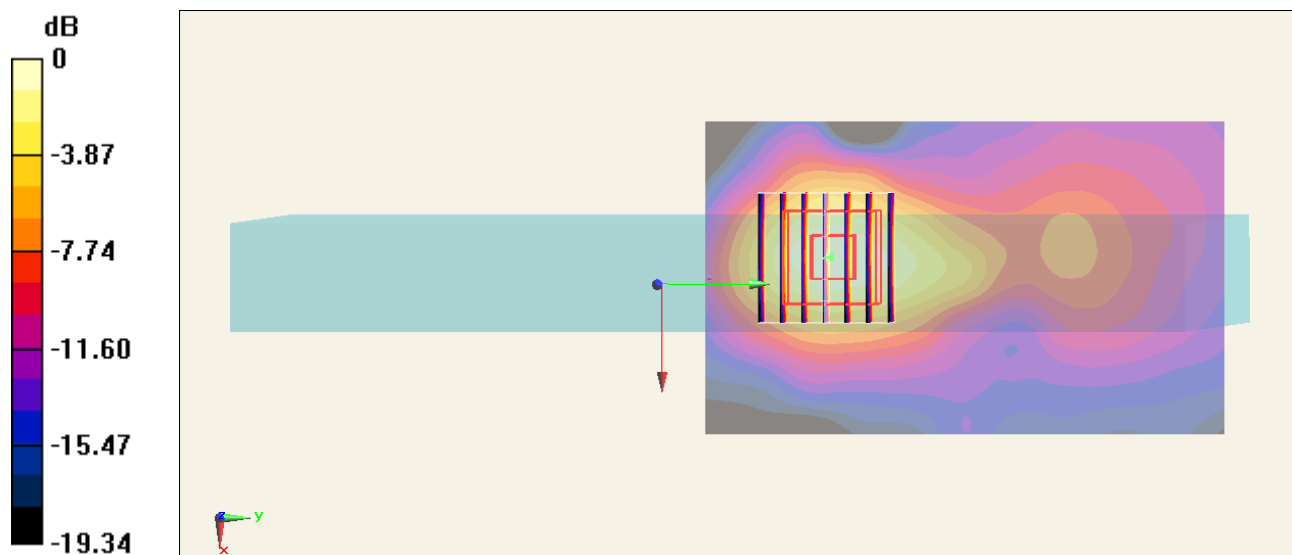
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.199 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.269 mW/g

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.070 mW/g**

Maximum value of SAR (measured) = 0.205 mW/g



0 dB = 0.205 mW/g = -13.76 dB mW/g



### #01\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch44;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.145$  mho/m;  $\epsilon_r = 47.432$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch44/Area Scan (121x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.324 mW/g

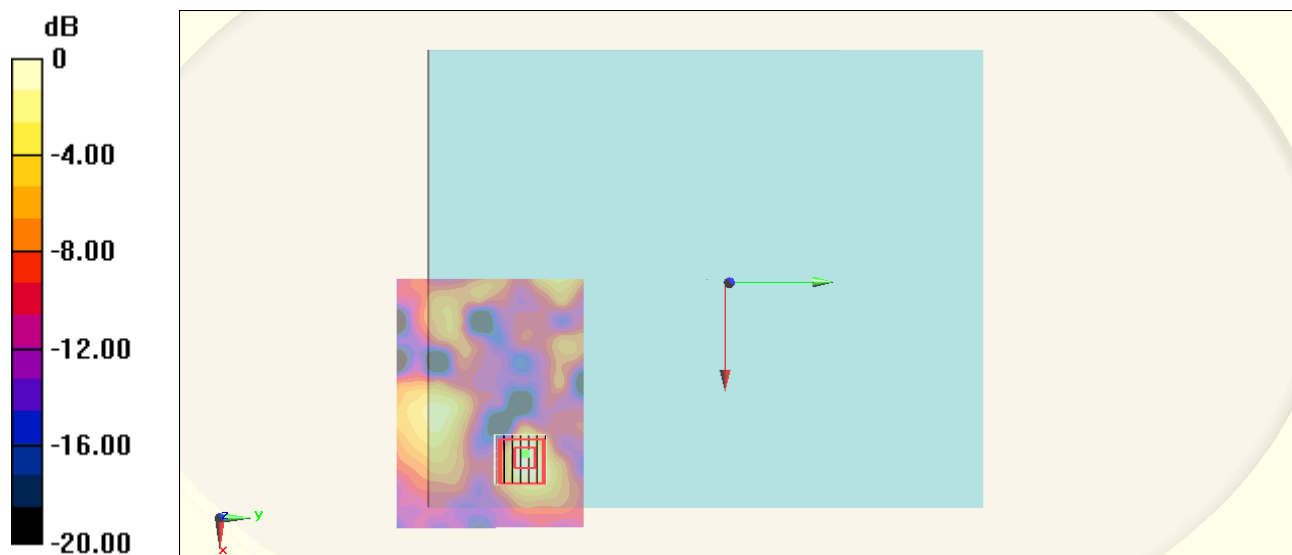
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.100 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.393 mW/g

**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249 mW/g = -12.08 dB mW/g

## #02\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch44;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.145$  mho/m;  $\epsilon_r = 47.432$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch44/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.0857 mW/g

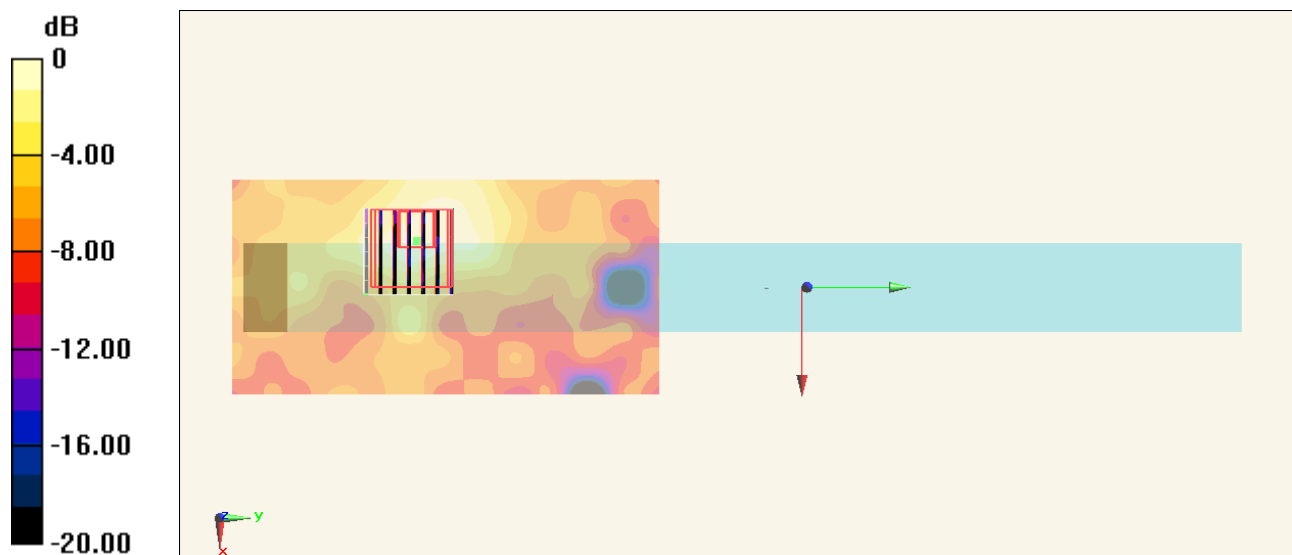
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.531 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.299 mW/g

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.0889 mW/g



0 dB = 0.0889 mW/g = -21.02 dB mW/g

### #03\_WLAN5G\_802.11a\_Edge4\_0cm\_Ch44;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.145$  mho/m;  $\epsilon_r = 47.432$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch44/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.755 mW/g

**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.239 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.270 mW/g

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.116 mW/g**

Maximum value of SAR (measured) = 0.784 mW/g

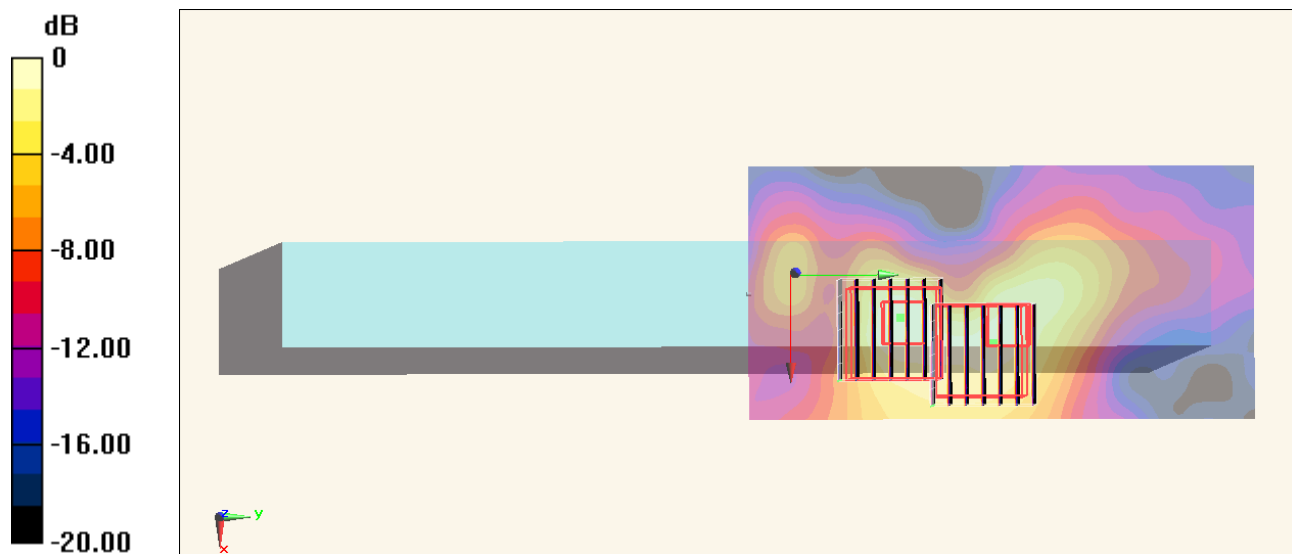
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.239 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.230 mW/g

**SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726 mW/g = -2.78 dB mW/g

### #04\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch44;Ant 0

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.145$  mho/m;  $\epsilon_r = 47.432$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch44/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.887 mW/g

**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.565 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.354 mW/g

**SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.826 mW/g

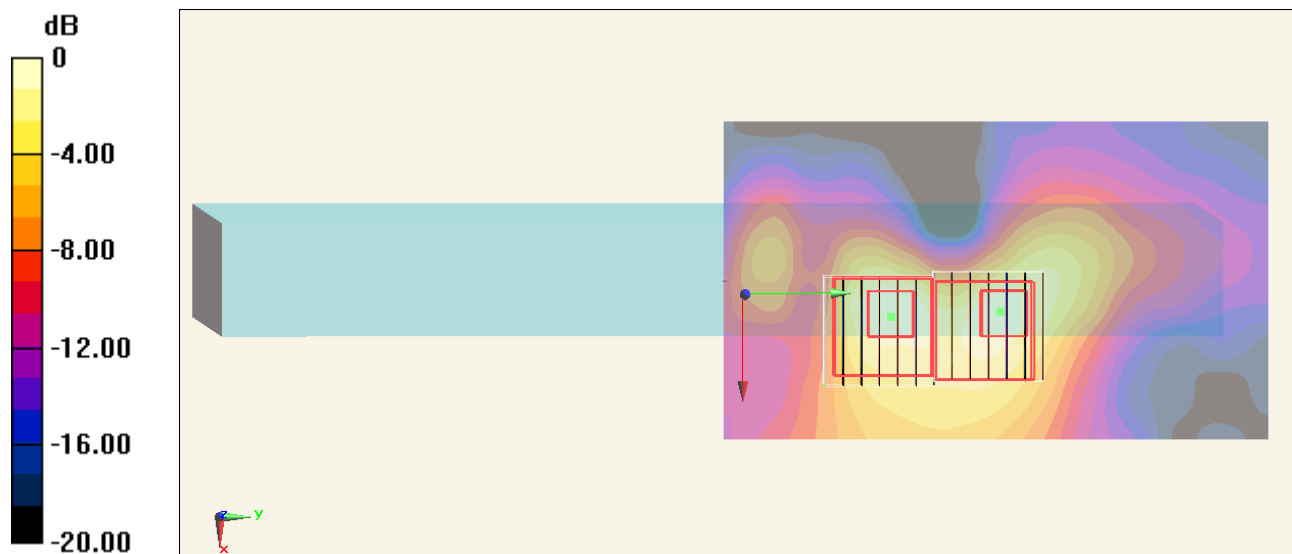
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.565 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.336 mW/g

**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g



0 dB = 0.810 mW/g = -1.83 dB mW/g

## #12\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch64;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (101x131x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.391 mW/g

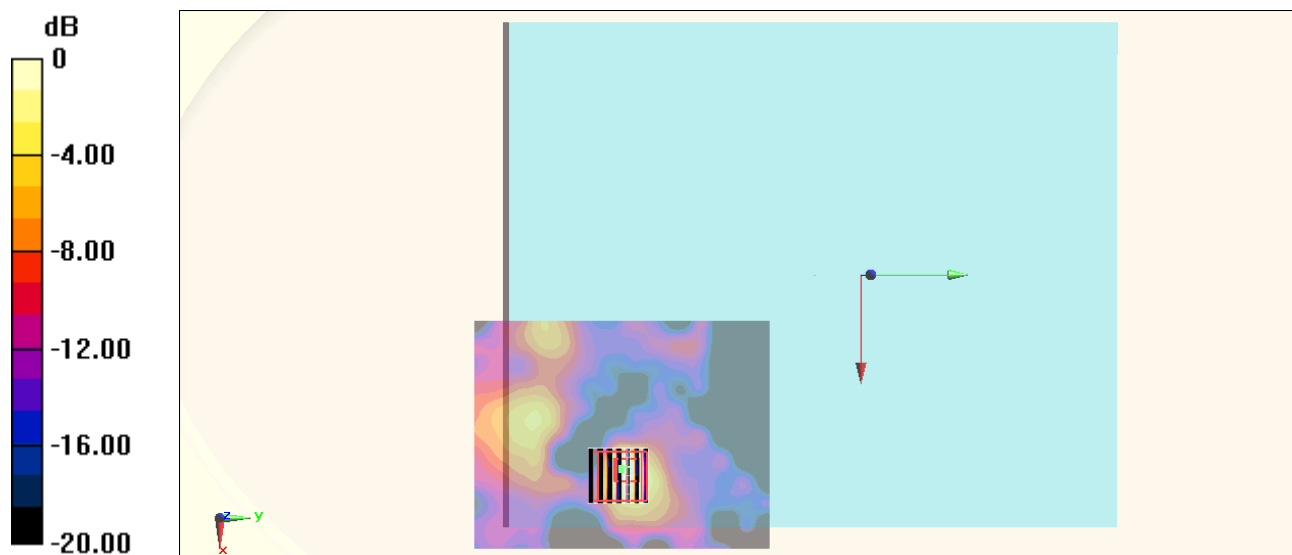
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.125 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.513 mW/g

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340 mW/g = -9.37 dB mW/g

### #13\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch64;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (61x131x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.0887 mW/g

**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.651 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.159 mW/g

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.0864 mW/g

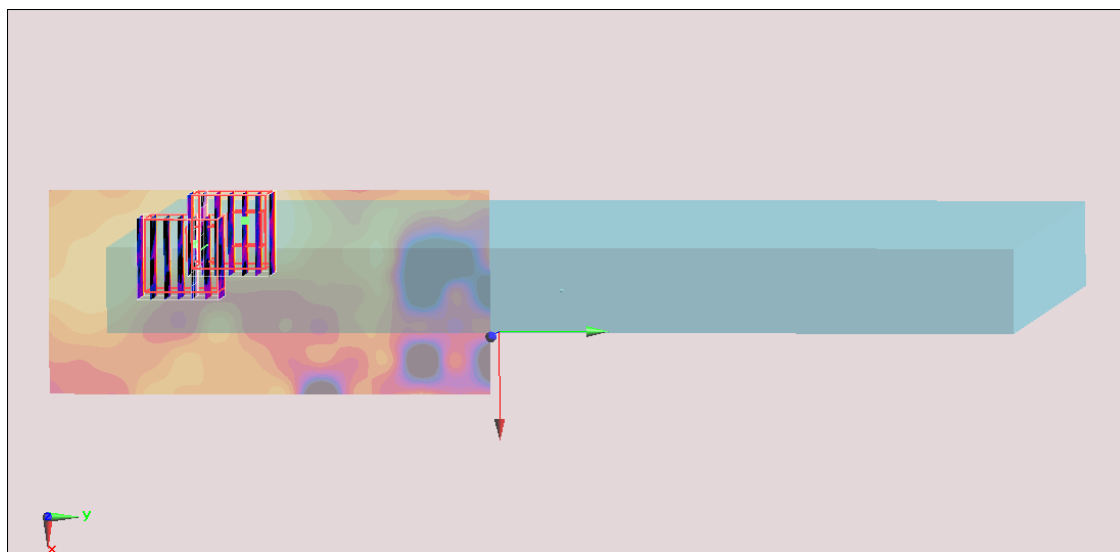
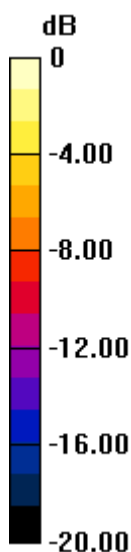
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.651 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.213 mW/g

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.0880 mW/g



0 dB = 0.0880 mW/g = -21.11 dB mW/g

## #14\_WLAN5G\_802.11a\_Edge4\_0cm\_Ch64;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.938 mW/g

**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.597 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.484 mW/g

**SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.864 mW/g

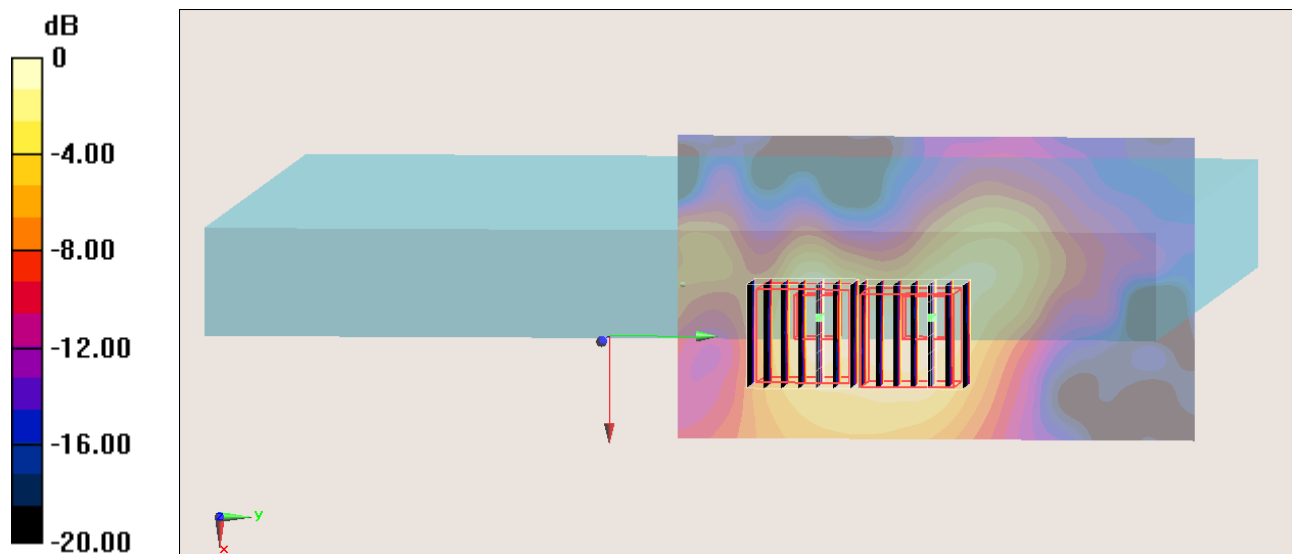
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.597 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.346 mW/g

**SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.125 mW/g**

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



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

## #22\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch116;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (121x91x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.206 mW/g

**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.688 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.301 mW/g

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.187 mW/g

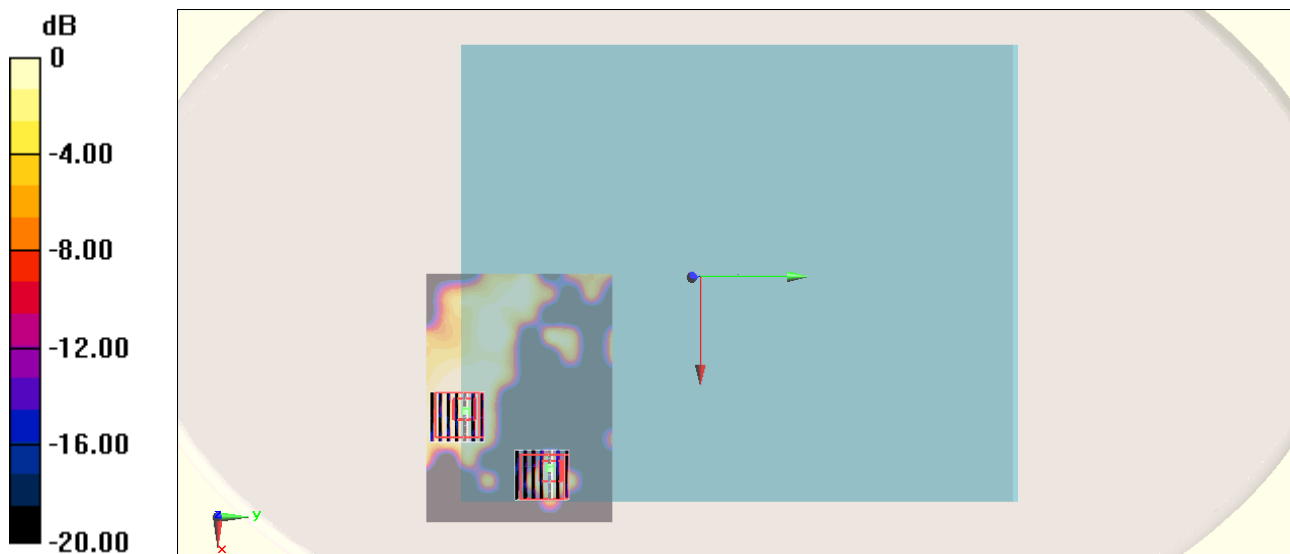
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.688 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.170 mW/g

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.00968 mW/g**

Maximum value of SAR (measured) = 0.0981 mW/g



0 dB = 0.0981 mW/g = -20.17 dB mW/g



### #23\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch116;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (61x131x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.0362 mW/g

**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.792 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.099 mW/g

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.0042 mW/g**

Maximum value of SAR (measured) = 0.0358 mW/g

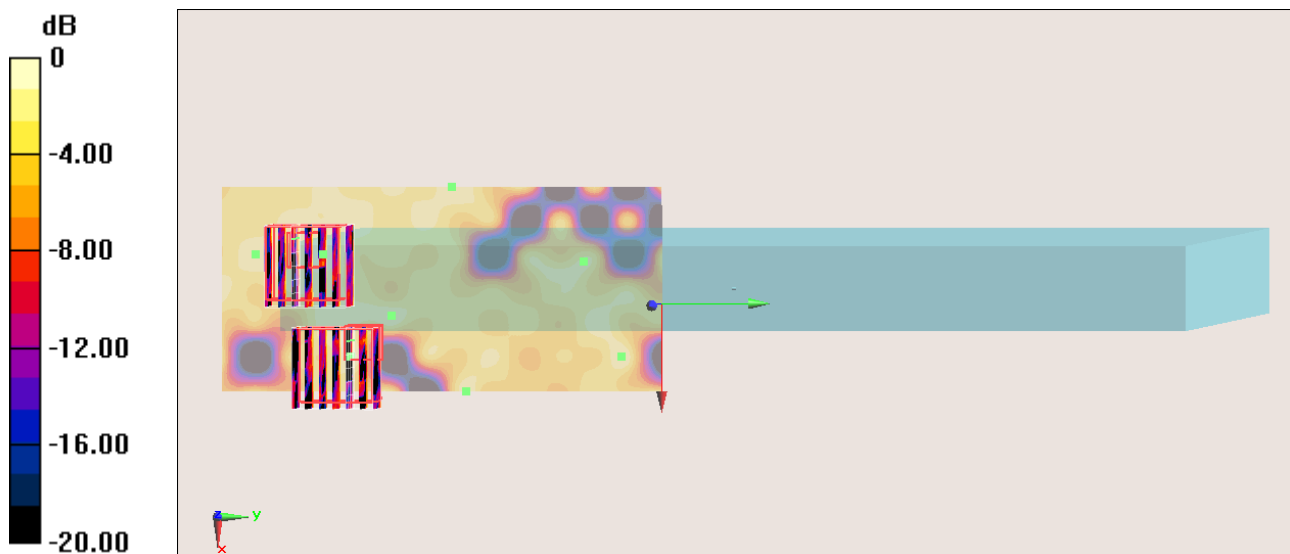
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.792 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.110 mW/g

**SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.0036 mW/g**

Maximum value of SAR (measured) = 0.0373 mW/g



0 dB = 0.0373 mW/g = -28.57 dB mW/g

## #24\_WLAN5G\_802.11a\_Edge4\_0cm\_Ch116;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.889 mW/g

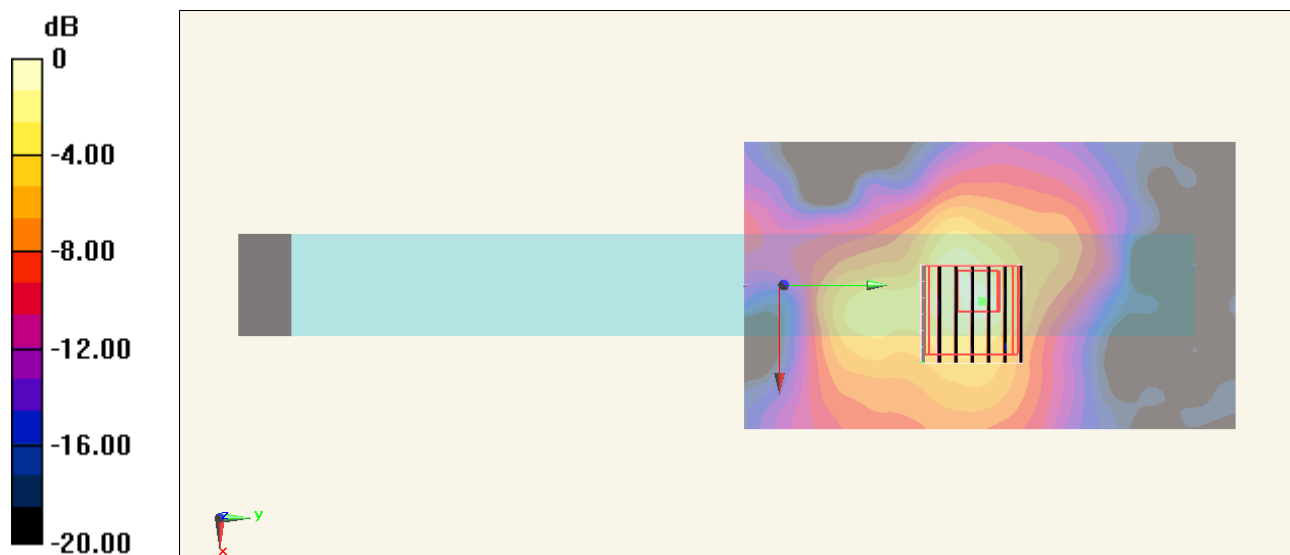
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.021 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.831 mW/g

**SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.119 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01 mW/g = 0.09 dB mW/g

### #32\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch149;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (101x131x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.158 mW/g

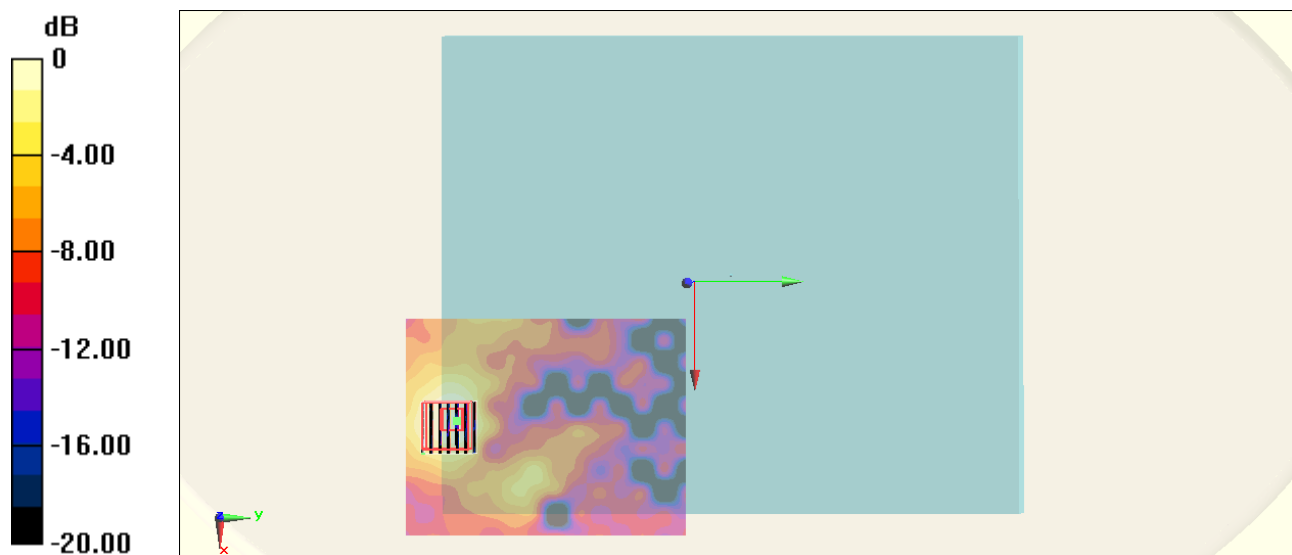
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.589 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.296 mW/g

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.019 mW/g**

Maximum value of SAR (measured) = 0.140 mW/g



0 dB = 0.140 mW/g = -17.08 dB mW/g

### #33\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch149;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.0647 mW/g

**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.696 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.120 mW/g

**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.0640 mW/g

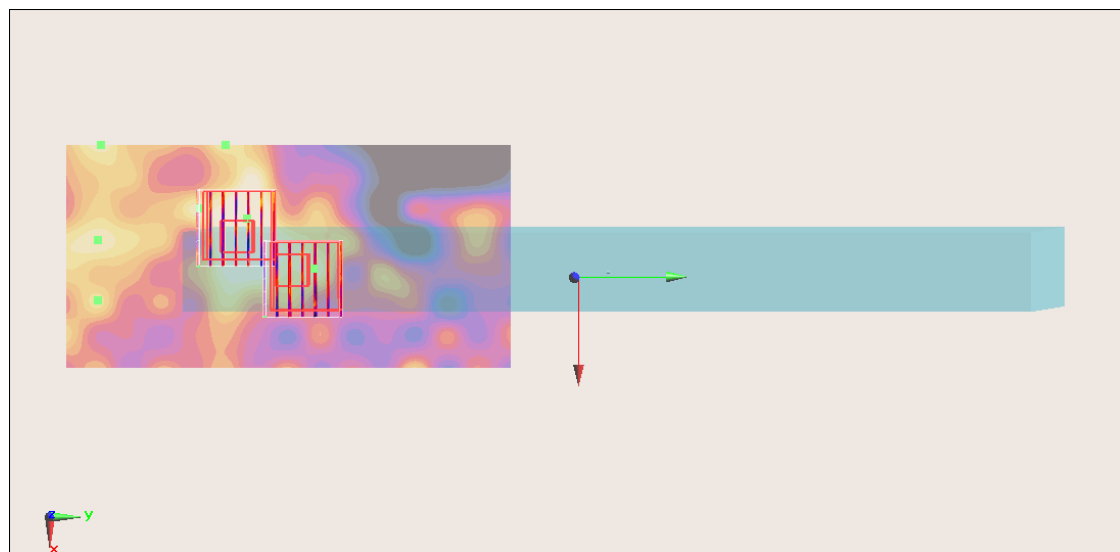
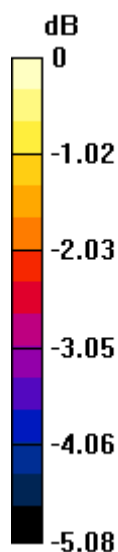
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.696 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.102 mW/g

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.0493 mW/g



0 dB = 0.0493 mW/g = -26.14 dB mW/g

### #34\_WLAN5G\_802.11a\_Edge4\_0cm\_Ch149;Ant 0

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.932 mW/g

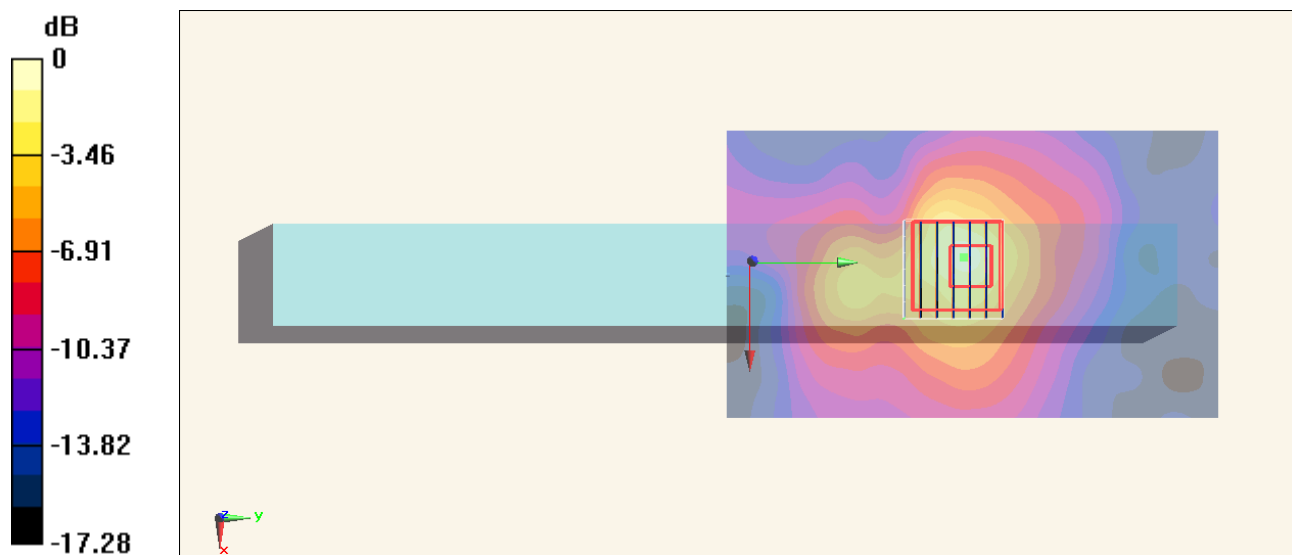
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.832 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.865 mW/g

**SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.162 mW/g**

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



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

### #35\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch149;Ant 0

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.06 mW/g

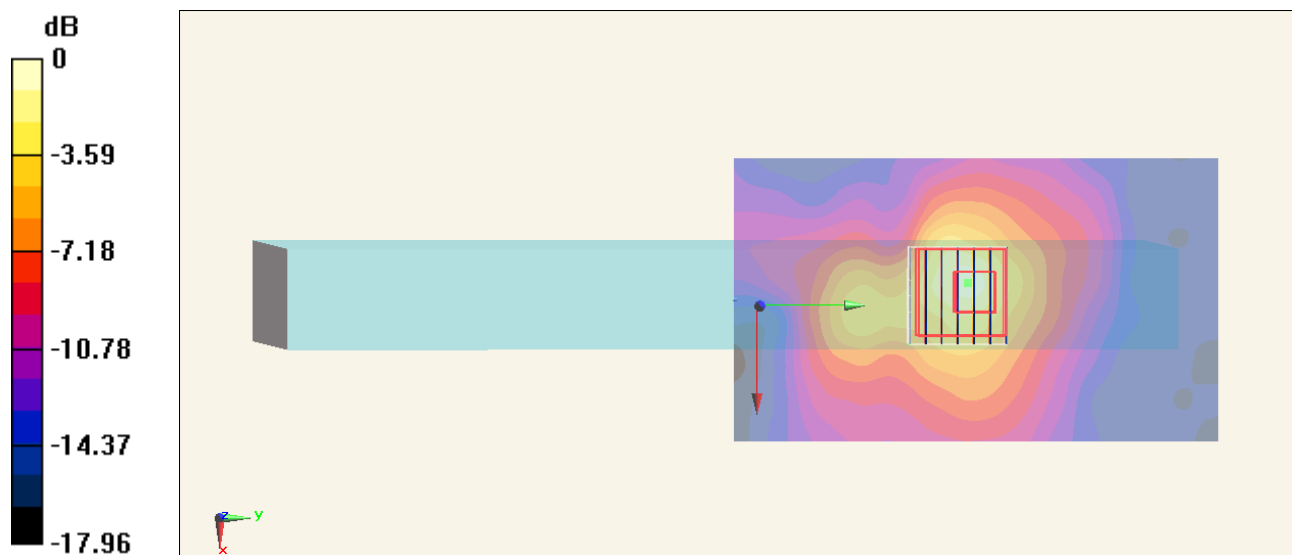
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.765 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.114 mW/g

**SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.181 mW/g**

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



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

### #45\_WLAN5G\_802.11n-HT40\_Edge4\_0cm\_Ch151;Ant 0

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 6.103$  mho/m;  $\epsilon_r = 46.684$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch151/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 3.32 mW/g

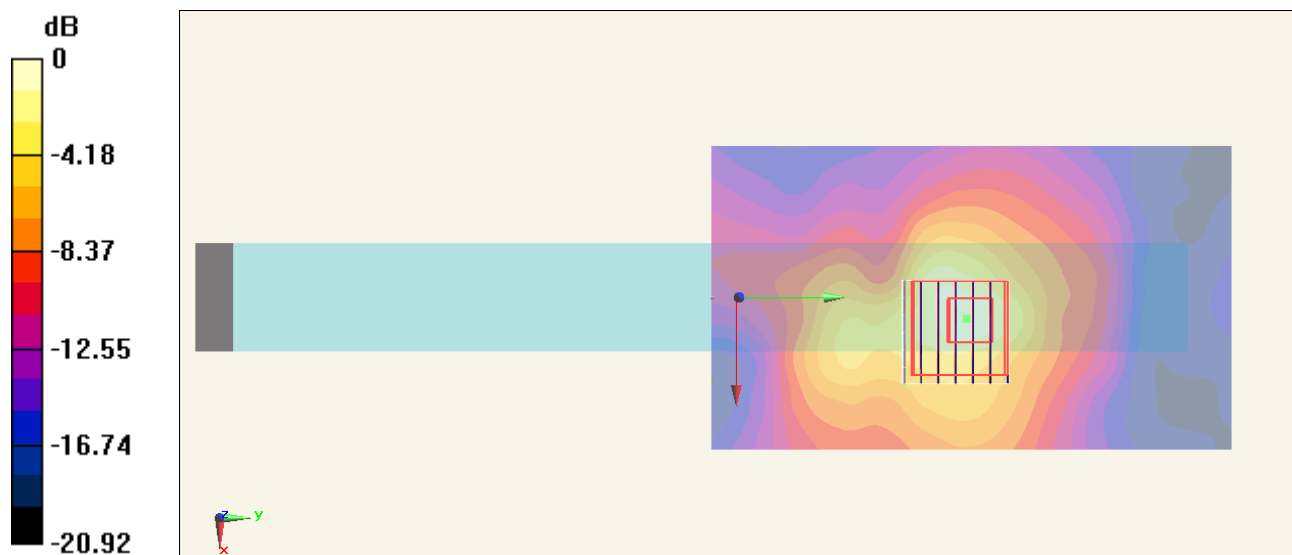
**Configuration/Ch151/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 27.509 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.076 mW/g

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.422 mW/g**

Maximum value of SAR (measured) = 2.95 mW/g



0 dB = 2.95 mW/g = 9.40 dB mW/g

### #46\_WLAN5G\_802.11n-HT40\_Edge4\_0cm\_Ch151;Ant 0\_Repeat

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 6.103$  mho/m;  $\epsilon_r = 46.684$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch151/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.55 mW/g

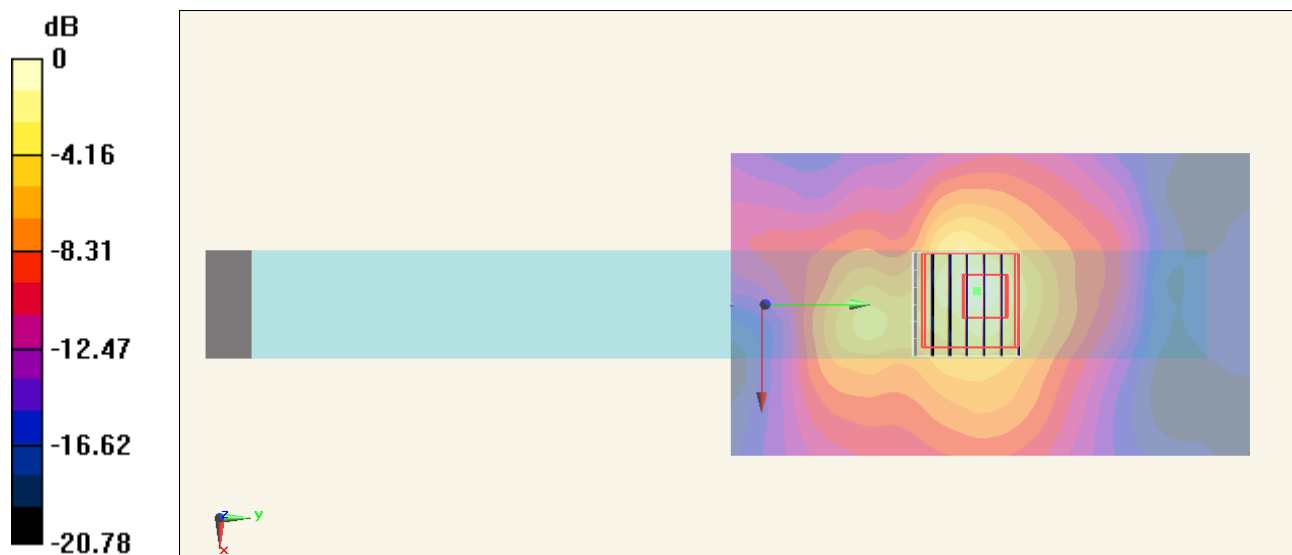
**Configuration/Ch151/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.857 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.005 mW/g

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.416 mW/g**

Maximum value of SAR (measured) = 2.95 mW/g



0 dB = 2.95 mW/g = 9.40 dB mW/g



### #47\_WLAN5G\_802.11n-HT40\_Edge4\_0cm\_Ch159;Ant 0

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5795$  MHz;  $\sigma = 6.14$  mho/m;  $\epsilon_r = 46.513$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch159/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 3.68 mW/g

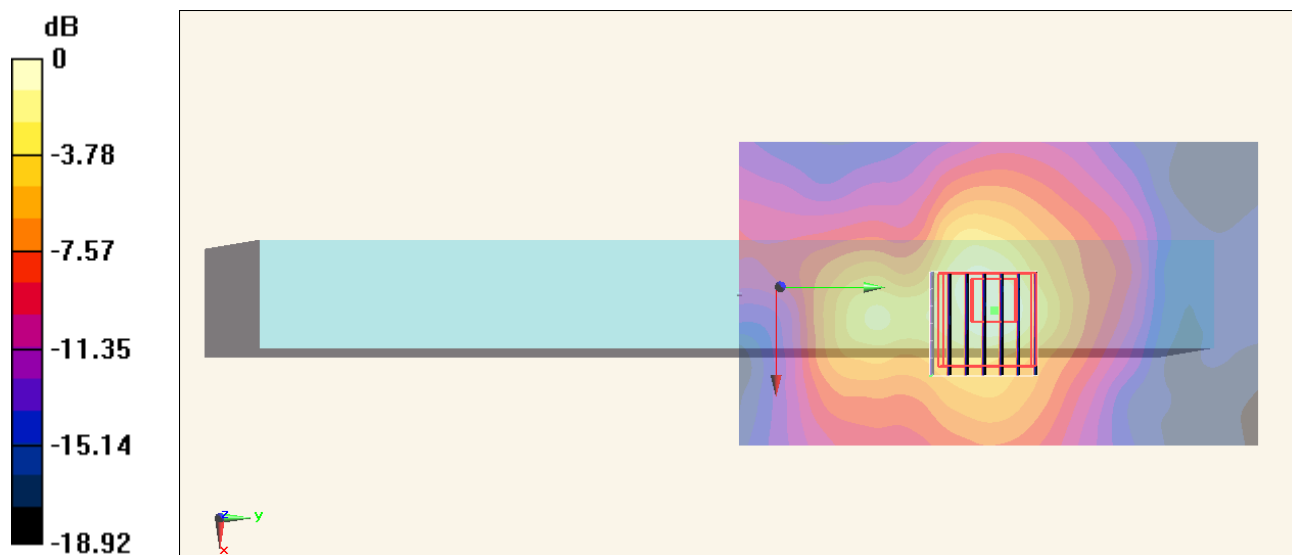
**Configuration/Ch159/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 29.253 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.960 mW/g

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.385 mW/g**

Maximum value of SAR (measured) = 2.93 mW/g



0 dB = 2.93 mW/g = 9.34 dB mW/g

### #05\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch36;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.212 mW/g

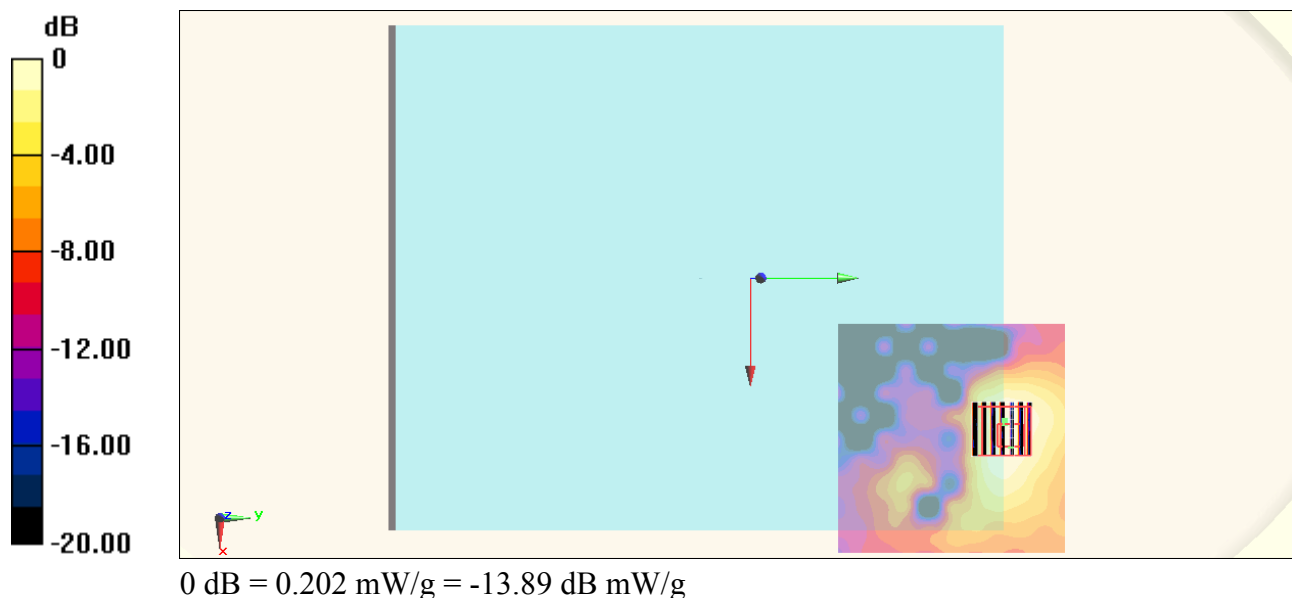
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.051 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.341 mW/g

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.202 mW/g



### #06\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch36;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.218 mW/g

**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.711 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.360 mW/g

**SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.240 mW/g

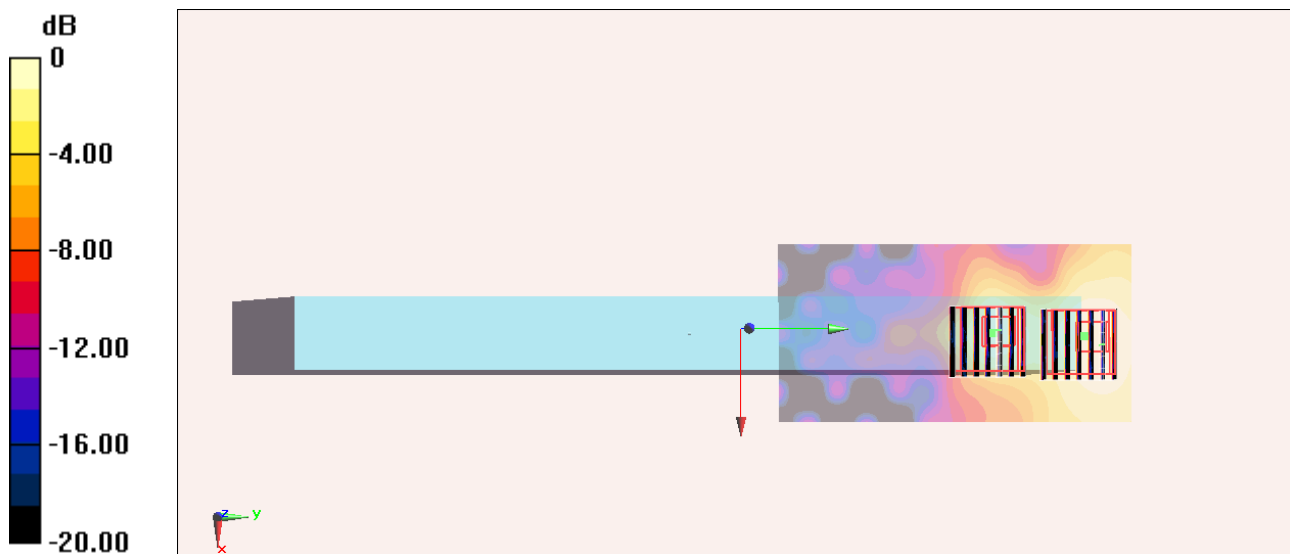
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.711 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.308 mW/g

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.190 mW/g



0 dB = 0.190 mW/g = -14.42 dB mW/g

### #07\_WLAN5G\_802.11a\_Edge2\_0cm\_Ch36;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.41 mW/g

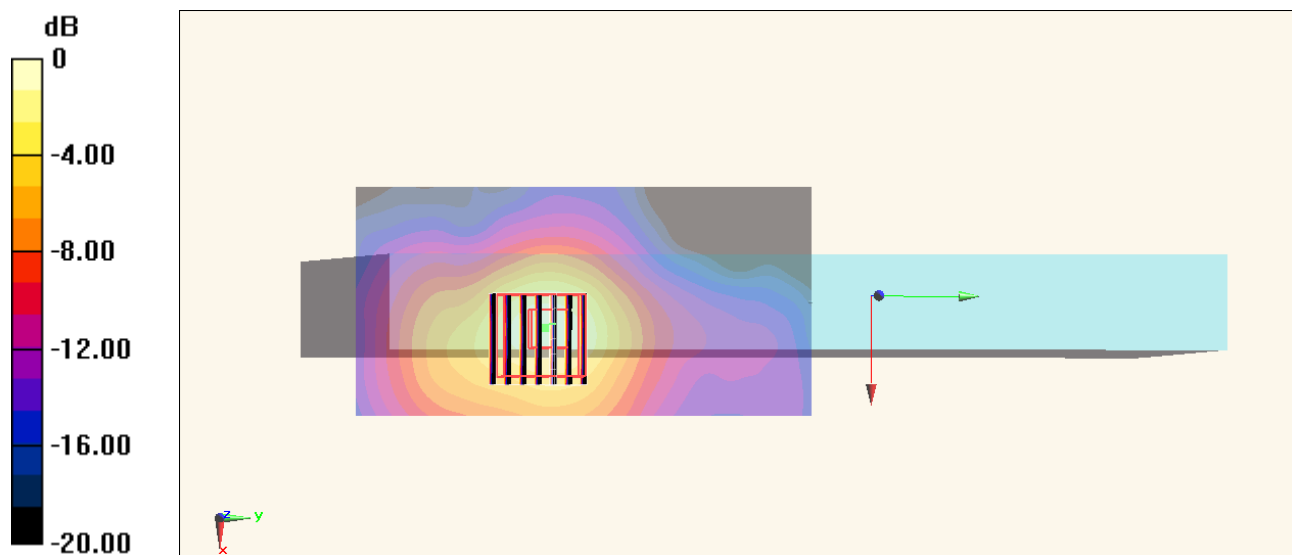
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.994 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.203 mW/g

**SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.248 mW/g**

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



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

### #15\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch64;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.190 mW/g

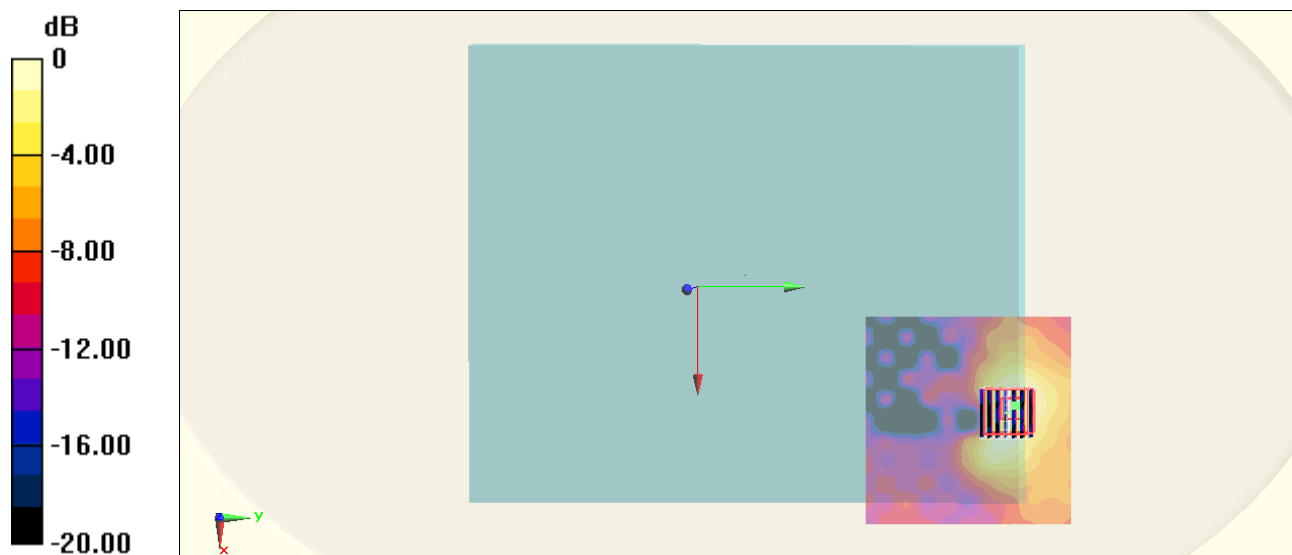
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.450 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.314 mW/g

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.181 mW/g



0 dB = 0.181 mW/g = -14.85 dB mW/g

# #16\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch64;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (61x131x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.146 mW/g

**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.157 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.242 mW/g

**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.019 mW/g**

Maximum value of SAR (measured) = 0.157 mW/g

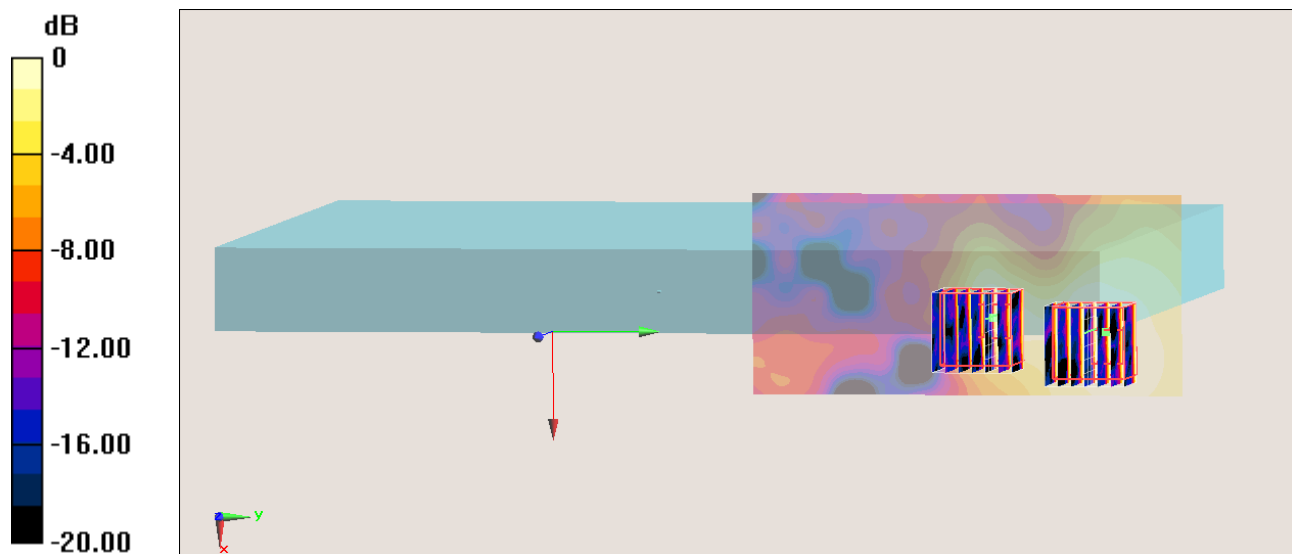
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.157 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.246 mW/g

**SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.136 mW/g



0 dB = 0.136 mW/g = -17.33 dB mW/g

### #17\_WLAN5G\_802.11a\_Edge2\_0cm\_Ch64;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.275$  mho/m;  $\epsilon_r = 47.241$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch64/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.07 mW/g

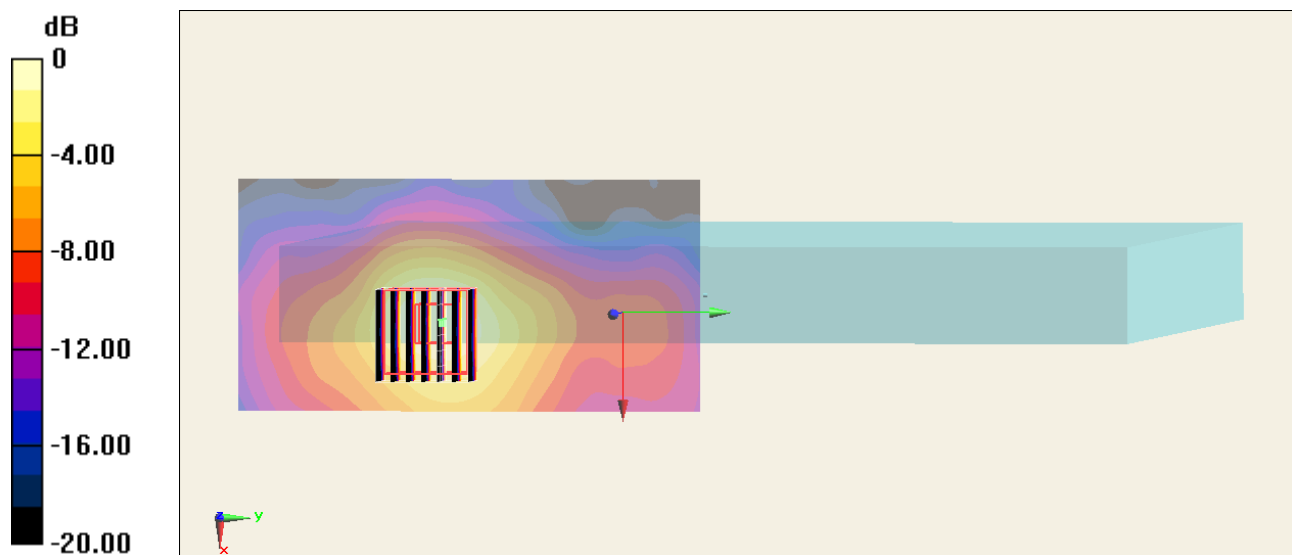
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.262 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.653 mW/g

**SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.189 mW/g**

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



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

## #25\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch116;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.189 mW/g

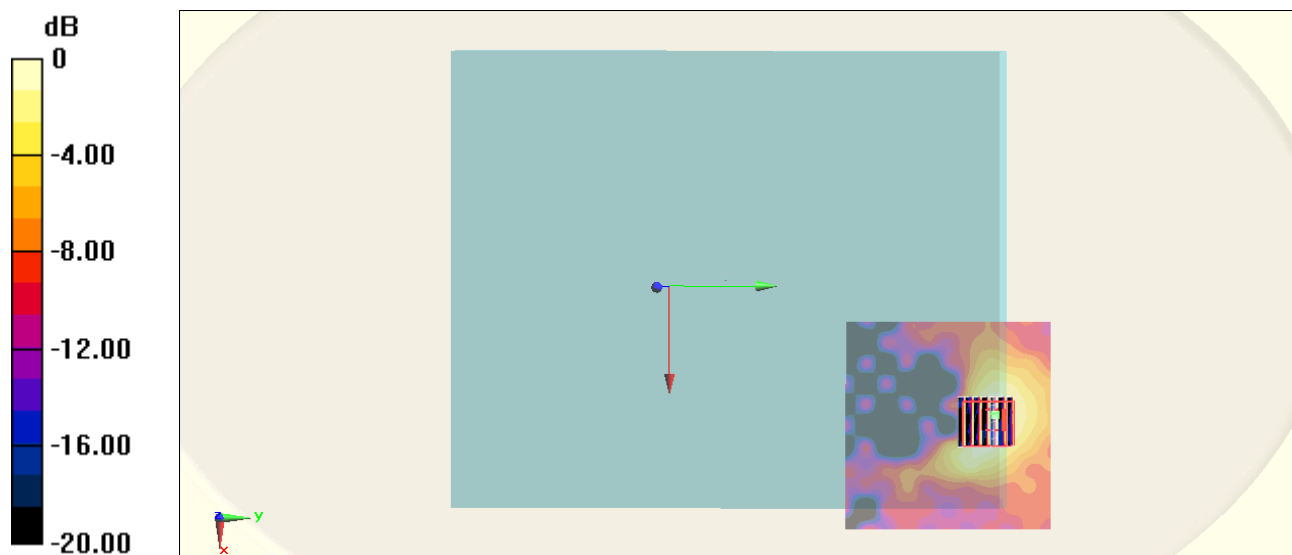
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,  
dz=1.4mm

Reference Value = 6.263 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.324 mW/g

**SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.176 mW/g



0 dB = 0.176 mW/g = -15.09 dB mW/g



## #26\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch116;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (61x131x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.114 mW/g

**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.381 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.232 mW/g

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.133 mW/g

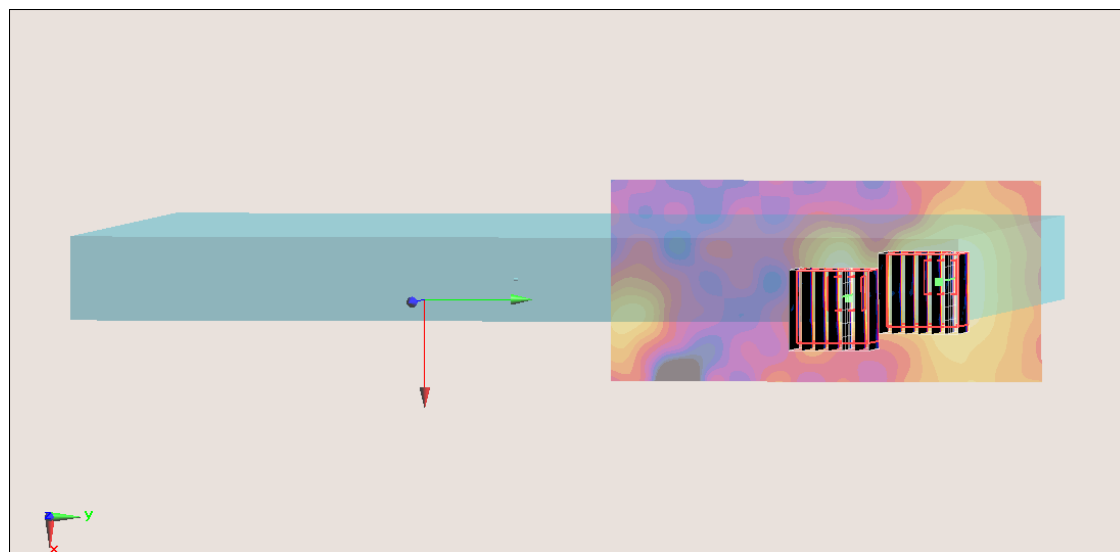
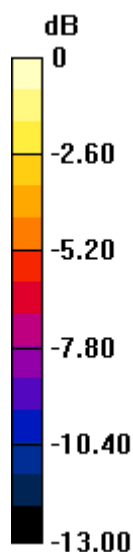
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.381 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.281 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.018 mW/g**

Maximum value of SAR (measured) = 0.104 mW/g



0 dB = 0.104 mW/g = -19.66 dB mW/g

### #27\_WLAN5G\_802.11a\_Edge2\_0cm\_Ch116;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 5.628$  mho/m;  $\epsilon_r = 46.865$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.72, 3.72, 3.72); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch116/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.934 mW/g

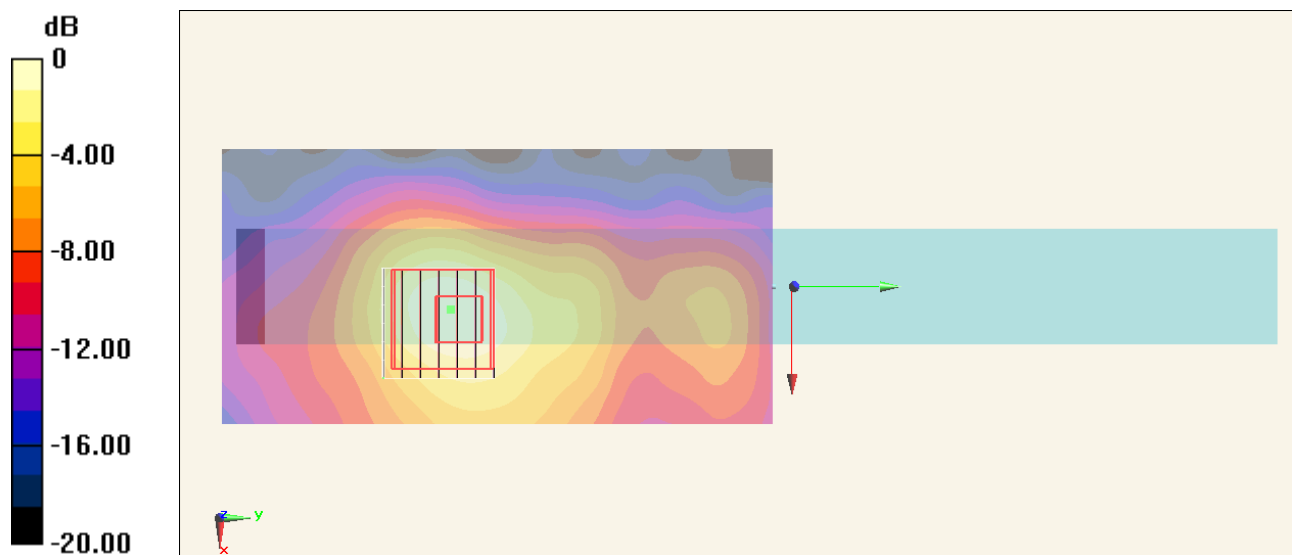
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.532 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.577 mW/g

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.919 mW/g



0 dB = 0.919 mW/g = -0.73 dB mW/g

### #37\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch149;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (101x131x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.143 mW/g

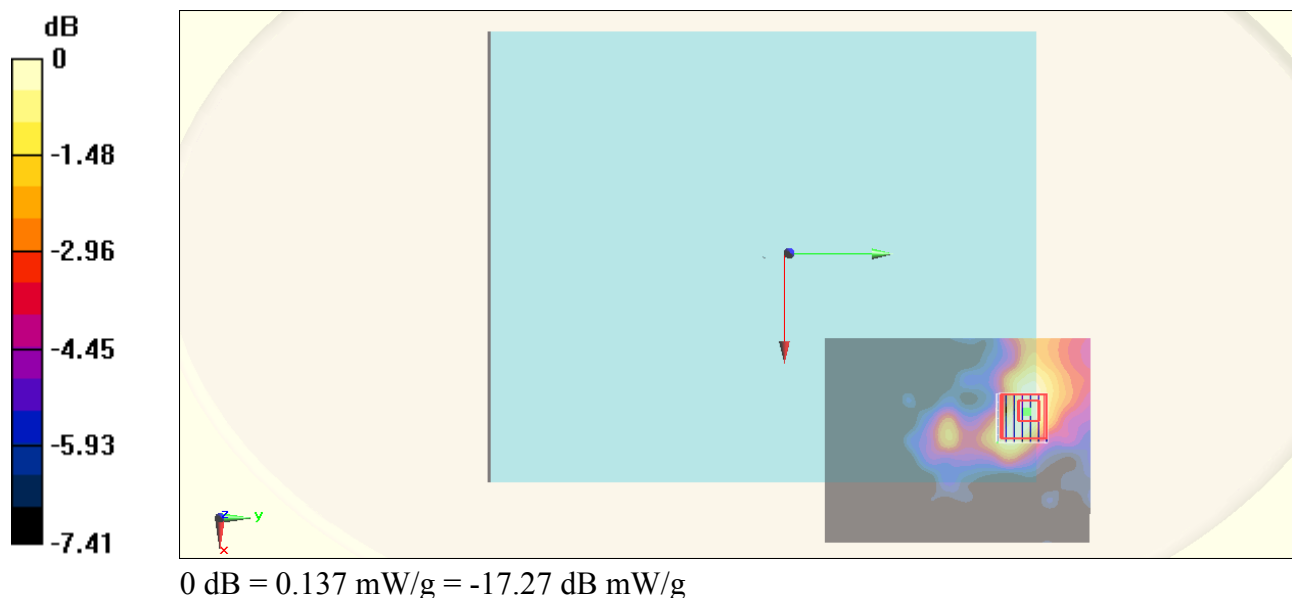
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.642 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.238 mW/g

**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.137 mW/g



### #38\_WLAN5G\_802.11a\_Edge1\_0cm\_Ch149;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.192 mW/g

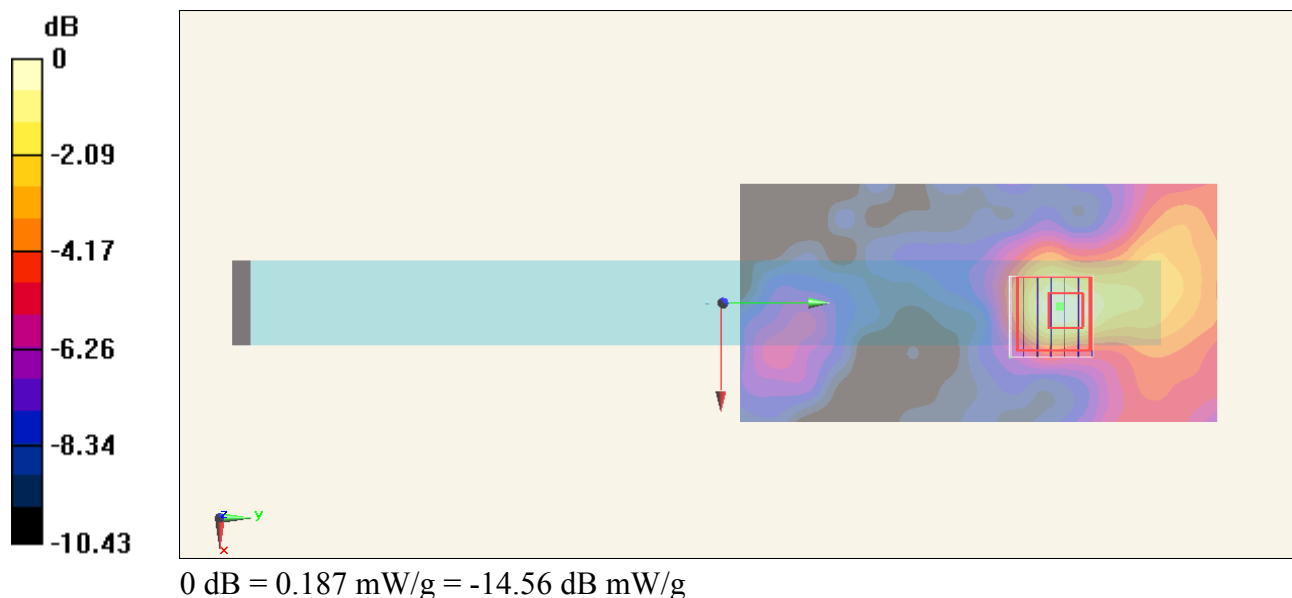
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.468 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.277 mW/g

**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.050 mW/g**

Maximum value of SAR (measured) = 0.187 mW/g



### #39\_WLAN5G\_802.11a\_Edge2\_0cm\_Ch149;Ant 1

**DUT: 322149-01**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.581 mW/g

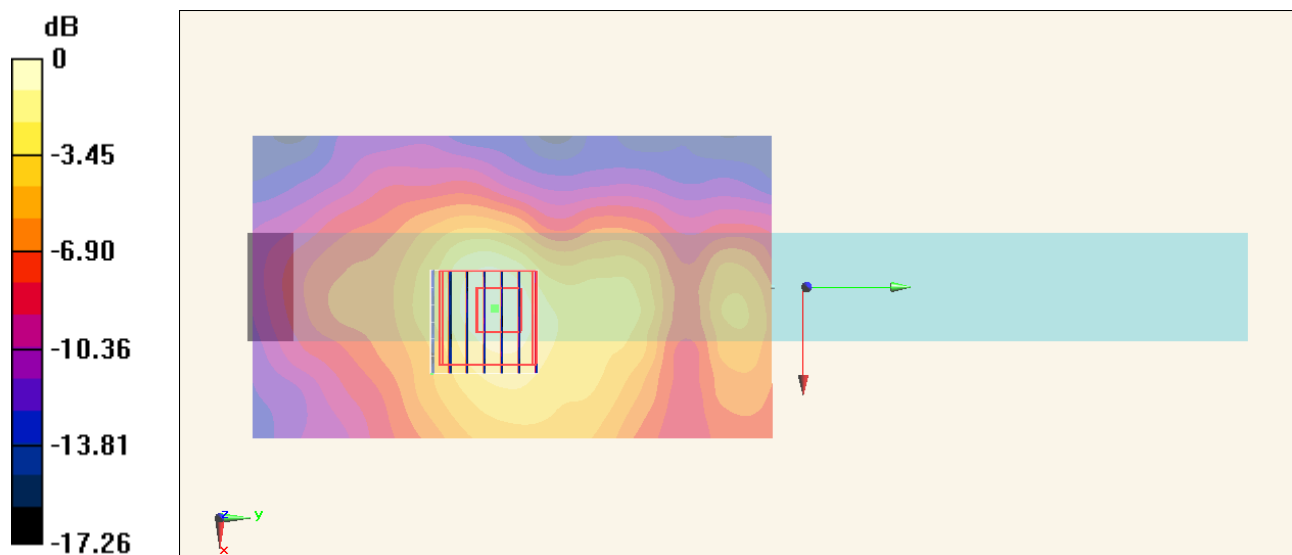
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.524 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.904 mW/g

**SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.573 mW/g = -4.84 dB mW/g

### #40\_WLAN5G\_802.11n-HT40\_Edge2\_0cm\_Ch151;Ant 1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 6.103$  mho/m;  $\epsilon_r = 46.684$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch151/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.52 mW/g

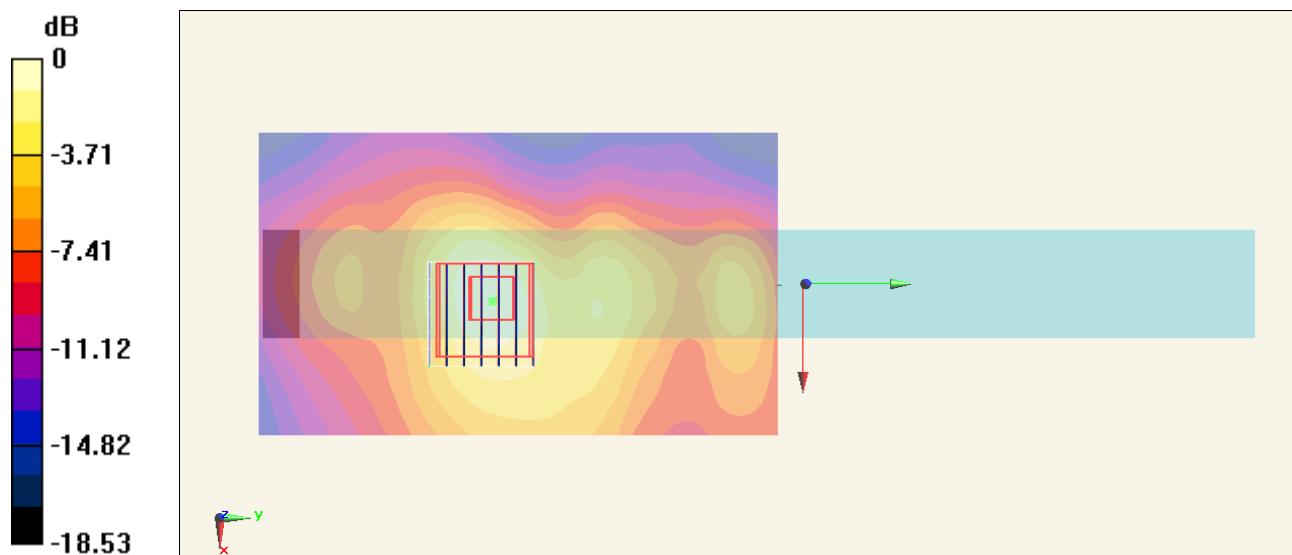
**Configuration/Ch151/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.700 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.342 mW/g

**SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.291 mW/g**

Maximum value of SAR (measured) = 1.50 mW/g



0 dB = 1.50 mW/g = 3.52 dB mW/g

### #08\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch36;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (101x301x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.133 mW/g

**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.223 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.179 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.113 mW/g

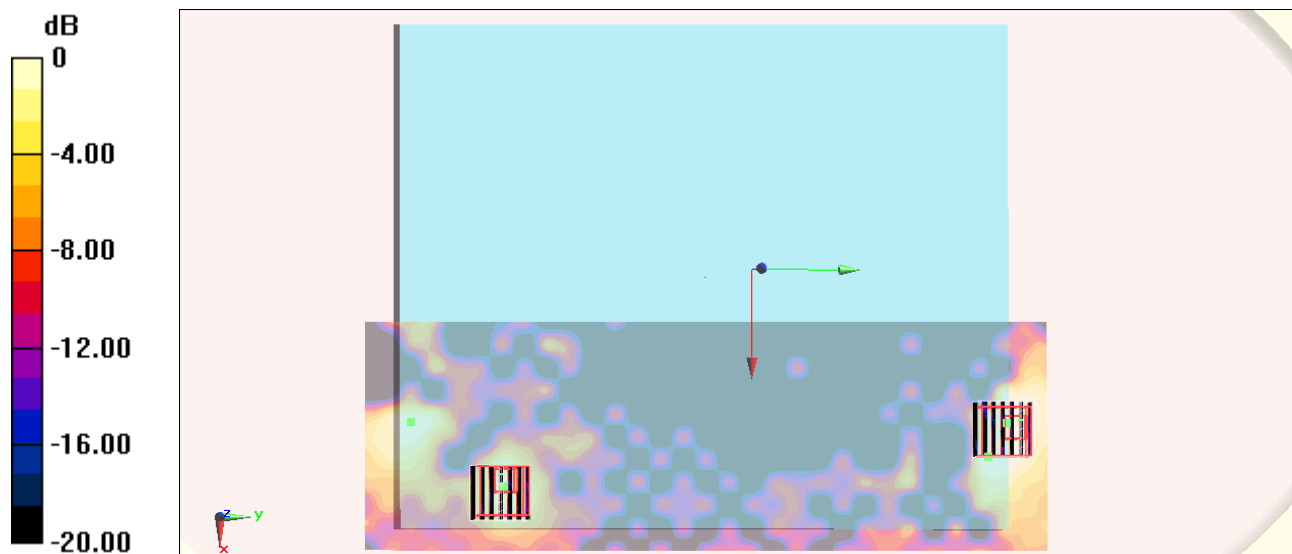
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.223 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.162 mW/g

**SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.101 mW/g



0 dB = 0.101 mW/g = -19.91 dB mW/g

### #09\_WLAN5G\_802.11n-HT20\_Edge1\_0cm\_Ch36;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.097 \text{ mho/m}$ ;  $\epsilon_r = 47.487$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (61x301x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.109 \text{ mW/g}$

**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  
 $dz=1.4\text{mm}$

Reference Value =  $5.387 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.172 \text{ mW/g}$

**SAR(1 g) =  $0.045 \text{ mW/g}$ ; SAR(10 g) =  $0.015 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.111 \text{ mW/g}$

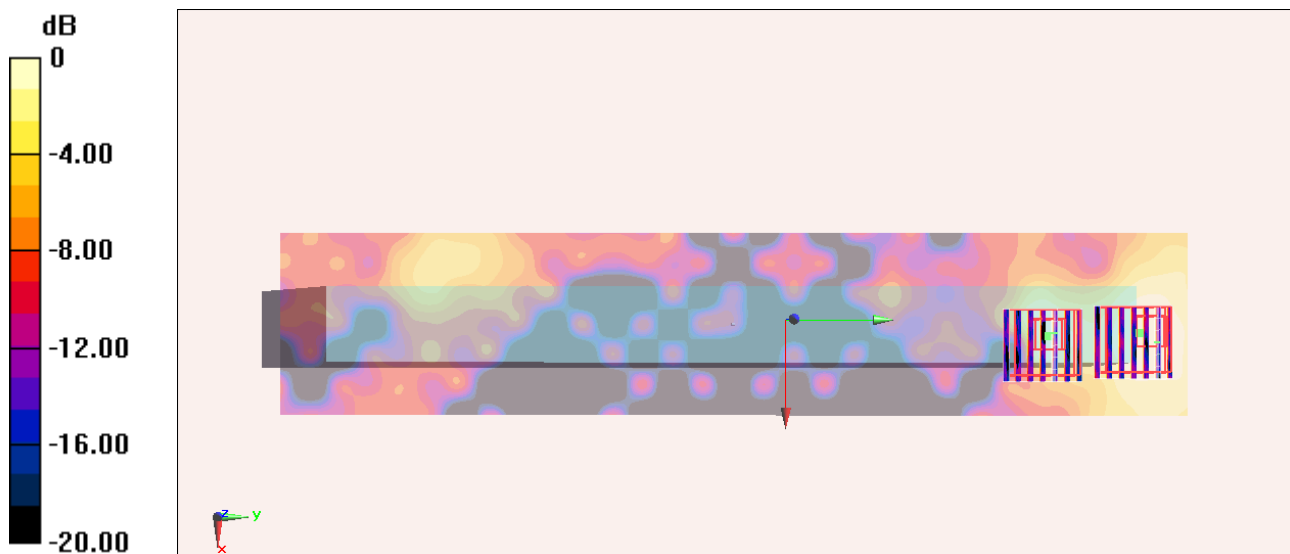
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  
 $dz=1.4\text{mm}$

Reference Value =  $5.387 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.164 \text{ mW/g}$

**SAR(1 g) =  $0.045 \text{ mW/g}$ ; SAR(10 g) =  $0.019 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0980 \text{ mW/g}$



$0 \text{ dB} = 0.0980 \text{ mW/g} = -20.18 \text{ dB mW/g}$



### #10\_WLAN5G\_802.11n-HT20\_Edge2\_0cm\_Ch36;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.765 mW/g

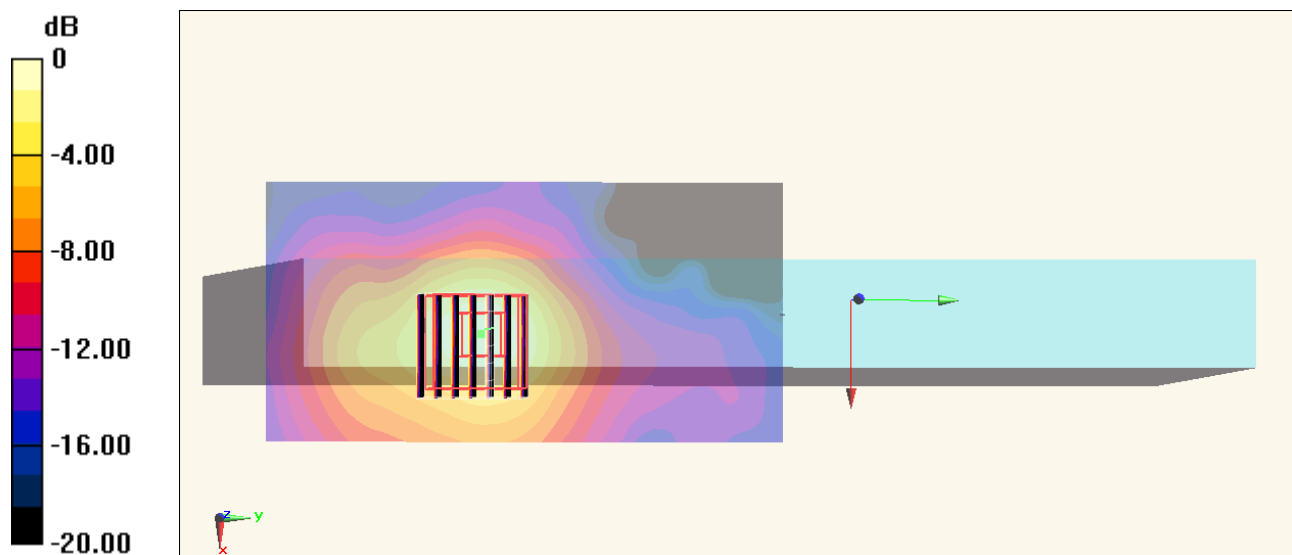
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.872 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.180 mW/g

**SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.129 mW/g**

Maximum value of SAR (measured) = 0.750 mW/g



0 dB = 0.750 mW/g = -2.50 dB mW/g

## #11\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch36;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.097$  mho/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch36/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.446 mW/g

**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.428 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.024 mW/g

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g

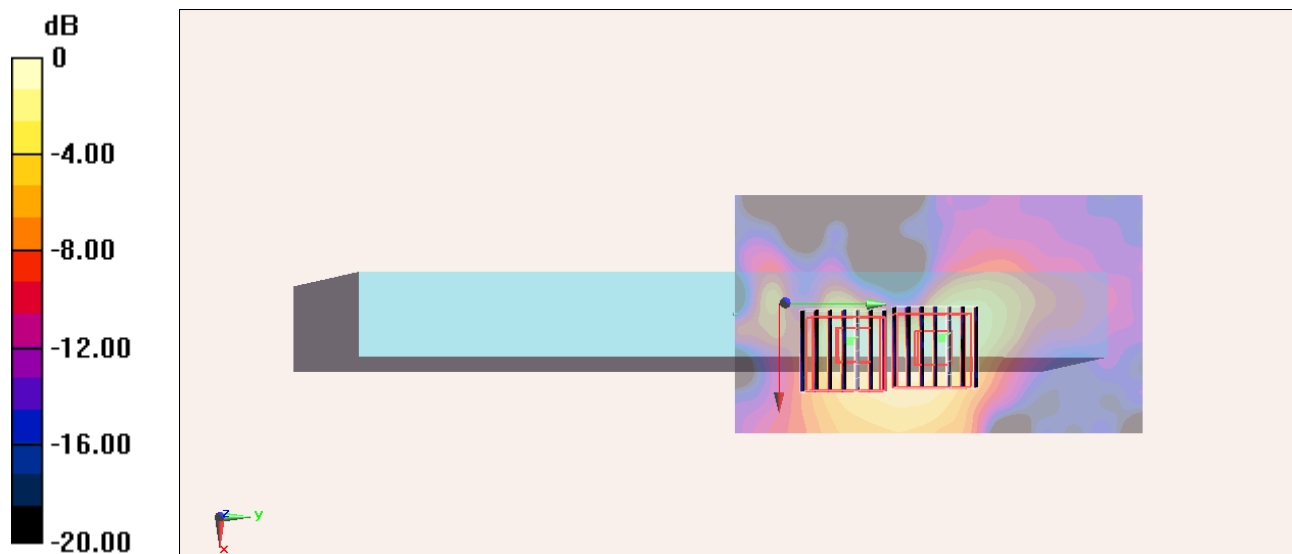
**Configuration/Ch36/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.428 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.678 mW/g

**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.384 mW/g = -8.31 dB mW/g

**#18\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch60;Ant 0+1**

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.264$  mho/m;  $\epsilon_r = 47.249$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch60/Area Scan (101x301x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.118 mW/g

**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.571 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.200 mW/g

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.101 mW/g

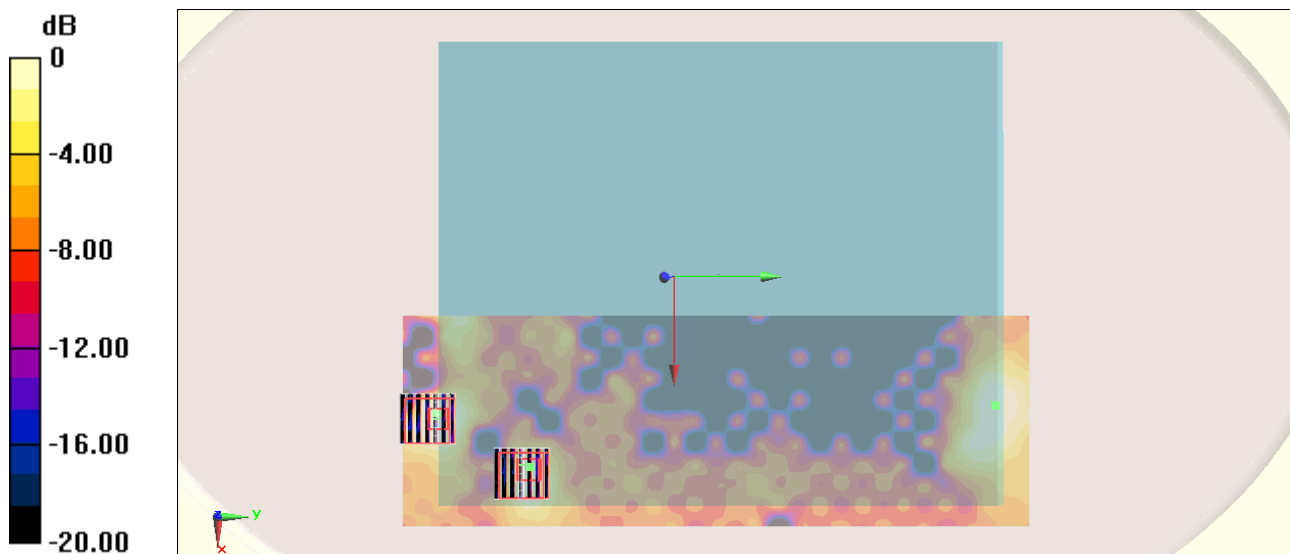
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.571 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.158 mW/g

**SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.00957 mW/g**

Maximum value of SAR (measured) = 0.0851 mW/g



0 dB = 0.0851 mW/g = -21.40 dB mW/g

## #19\_WLAN5G\_802.11n-HT20\_Edge1\_0cm\_Ch60;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.264$  mho/m;  $\epsilon_r = 47.249$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch60/Area Scan (61x301x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.0761 mW/g

**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.536 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.217 mW/g

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.00996 mW/g**

Maximum value of SAR (measured) = 0.0860 mW/g

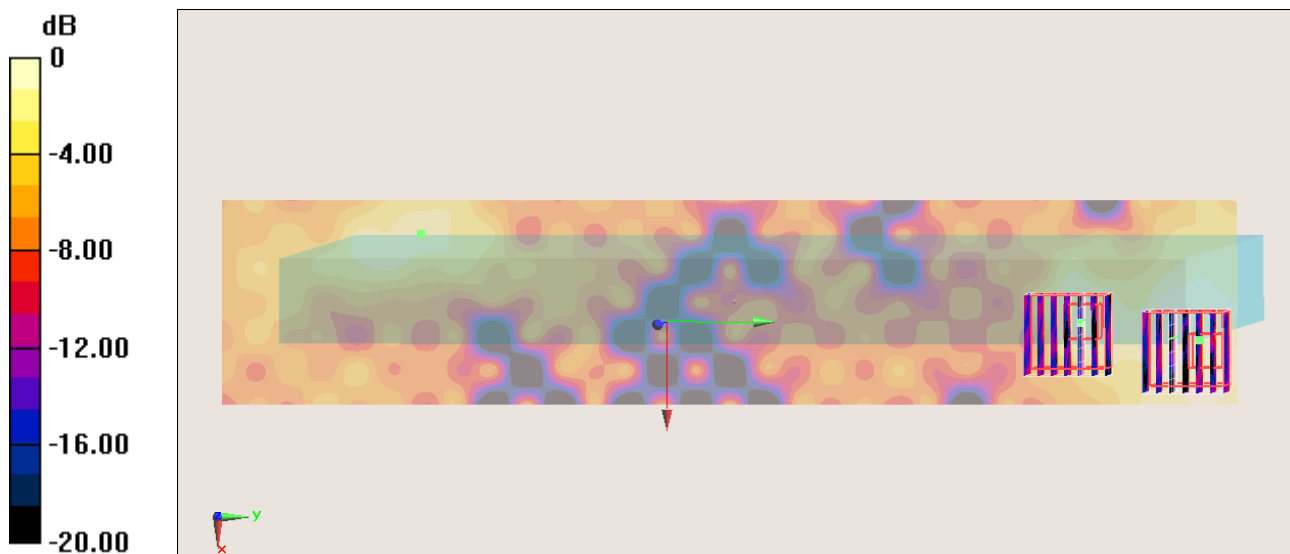
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.536 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.180 mW/g

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.0741 mW/g



0 dB = 0.0741 mW/g = -22.60 dB mW/g

#20\_WLAN5G\_802.11n-HT20\_Edge2\_0cm\_Ch60;Ant 0+1

DUT: 322149-01

Communication System: 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.264$  mho/m;  $\epsilon_r = 47.249$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch60/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.541 mW/g

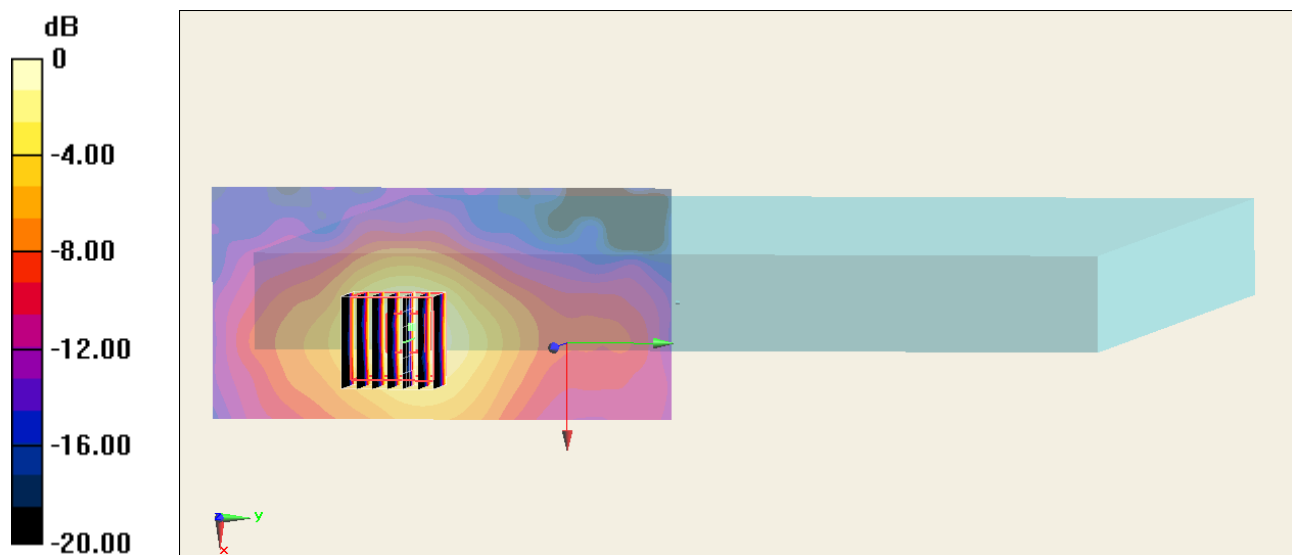
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.611 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.879 mW/g

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.535 mW/g



0 dB = 0.535 mW/g = -5.43 dB mW/g

## #21\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch60;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130315 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.264$  mho/m;  $\epsilon_r = 47.249$ ;  $\rho =$

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

Ambient Temperature : 22.5°C; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(4.01, 4.01, 4.01); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch60/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.497 mW/g

**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.418 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.650 mW/g

**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.394 mW/g

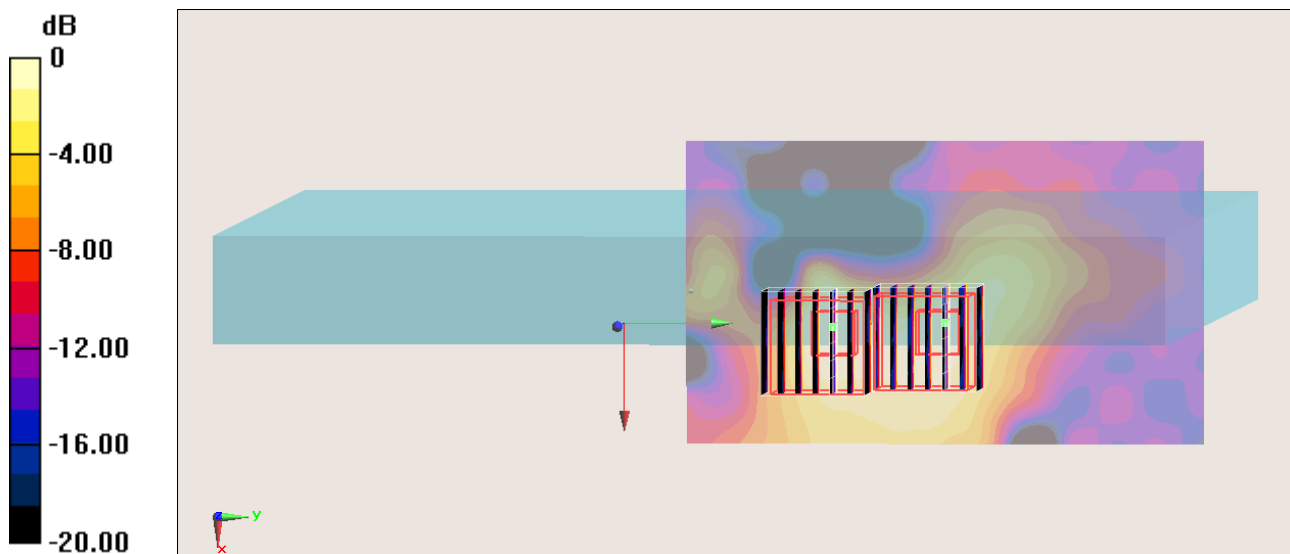
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.418 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.568 mW/g

**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.053 mW/g**

Maximum value of SAR (measured) = 0.348 mW/g



0 dB = 0.348 mW/g = -9.17 dB mW/g

**#28\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch100;Ant 0+1**

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  mho/m;  $\epsilon_r = 47.024$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch100/Area Scan (101x301x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.182 mW/g

**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.117 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.248 mW/g

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.153 mW/g

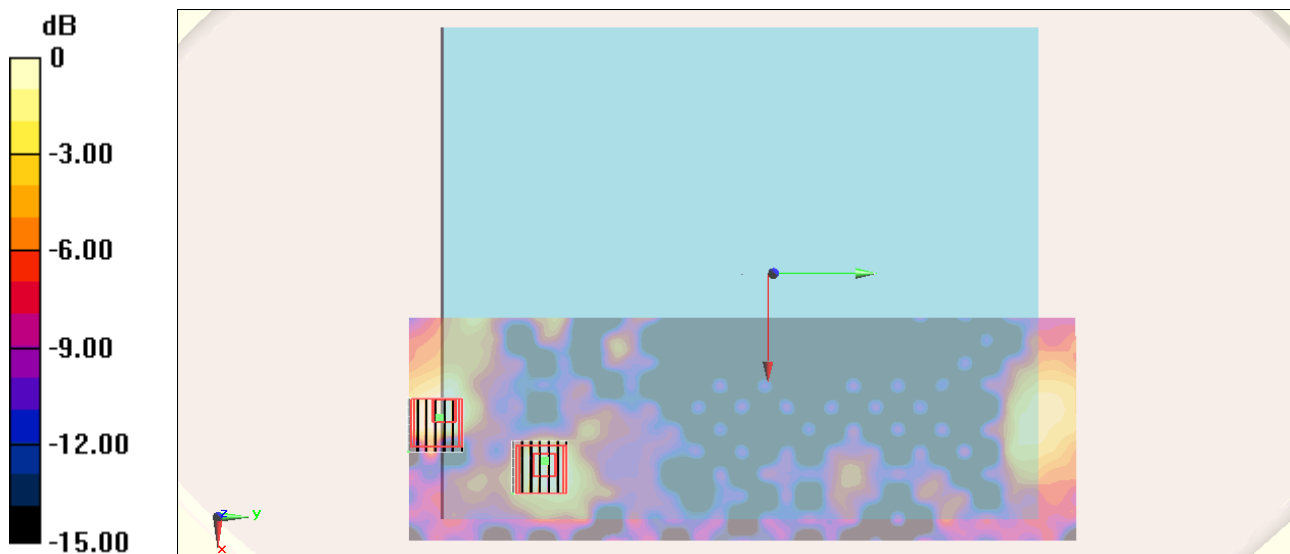
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.117 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.313 mW/g

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.113 mW/g



0 dB = 0.113 mW/g = -18.94 dB mW/g

## #29\_WLAN5G\_802.11n-HT20\_Edge1\_0cm\_Ch100;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  mho/m;  $\epsilon_r = 47.024$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch100/Area Scan (61x301x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.0687 mW/g

**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.001 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.131 mW/g

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00926 mW/g**

Maximum value of SAR (measured) = 0.0723 mW/g

**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.001 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.219 mW/g

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.0731 mW/g



0 dB = 0.0731 mW/g = -22.72 dB mW/g



### #30\_WLAN5G\_802.11n-HT20\_Edge2\_0cm\_Ch100;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  mho/m;  $\epsilon_r = 47.024$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch100/Area Scan (61x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.598 mW/g

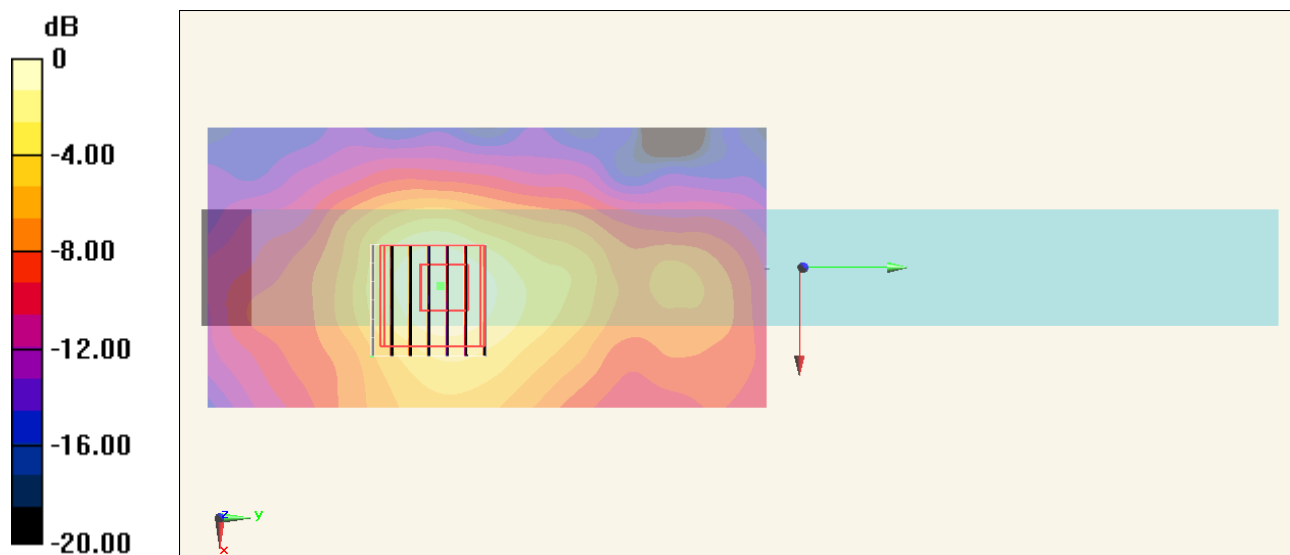
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,  
dz=1.4mm

Reference Value = 11.807 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.931 mW/g

**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.569 mW/g = -4.90 dB mW/g

### #31\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch100;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130316 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  mho/m;  $\epsilon_r = 47.024$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch100/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.604 mW/g

**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.171 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.230 mW/g

**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.093 mW/g**

Maximum value of SAR (measured) = 0.667 mW/g

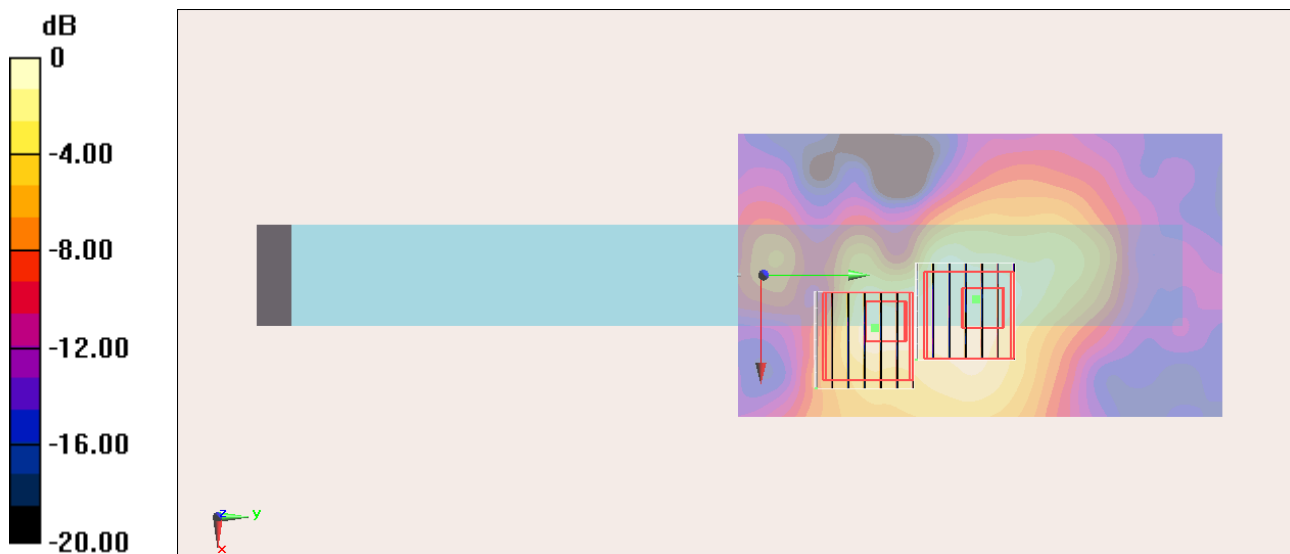
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.171 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.788 mW/g

**SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.471 mW/g



0 dB = 0.471 mW/g = -6.54 dB mW/g

### #41\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch149;Ant 0+1

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x301x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.155 mW/g

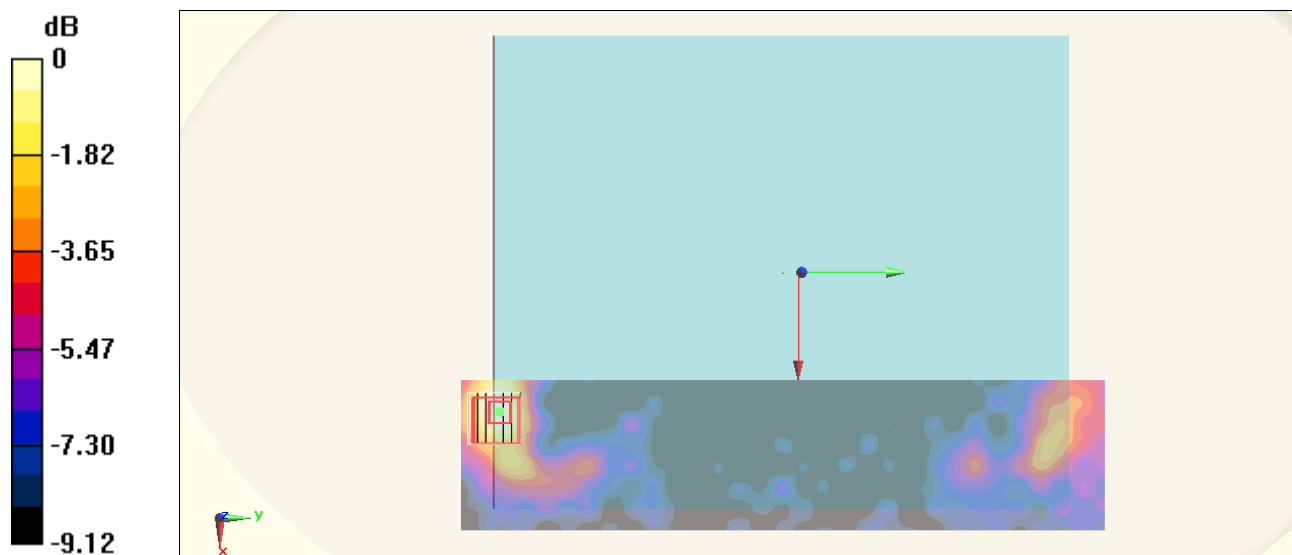
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.798 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.517 mW/g

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.034 mW/g**

Maximum value of SAR (measured) = 0.147 mW/g



0 dB = 0.147 mW/g = -16.65 dB mW/g

### #42\_WLAN5G\_802.11n-HT20\_Edge1\_0cm\_Ch149;Ant 0+1

#### DUT: 322149-01

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x301x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.105 mW/g

**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.418 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.189 mW/g

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.118 mW/g

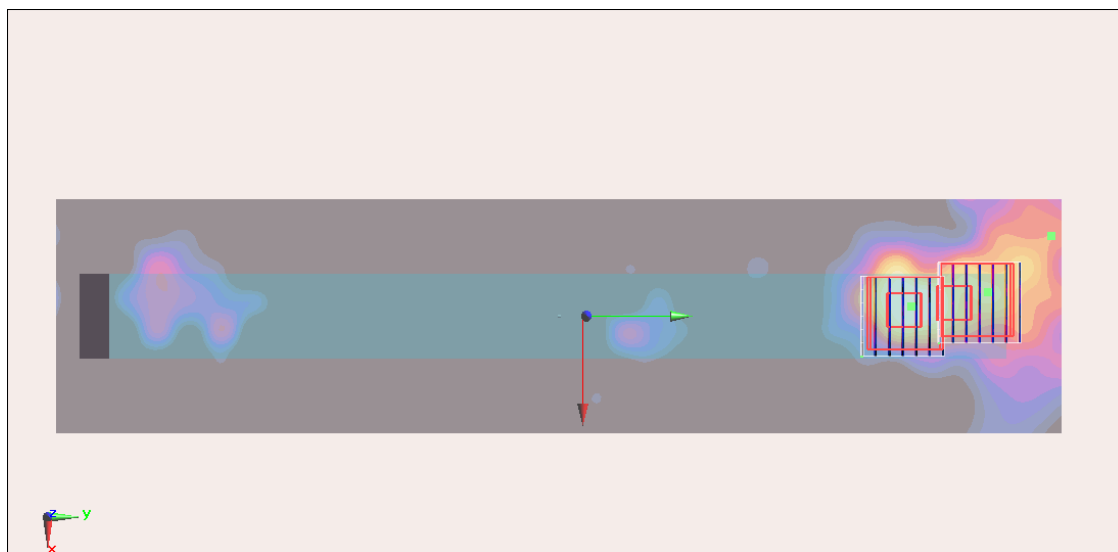
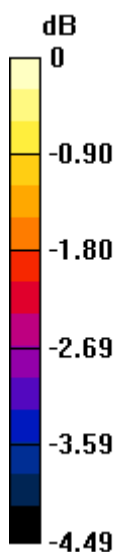
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.418 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.197 mW/g

**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.0995 mW/g



0 dB = 0.0995 mW/g = -20.04 dB mW/g

**#43\_WLAN5G\_802.11n-HT20\_Edge2\_0cm\_Ch149;Ant 0+1**

**DUT: 322149-01**

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.348 mW/g

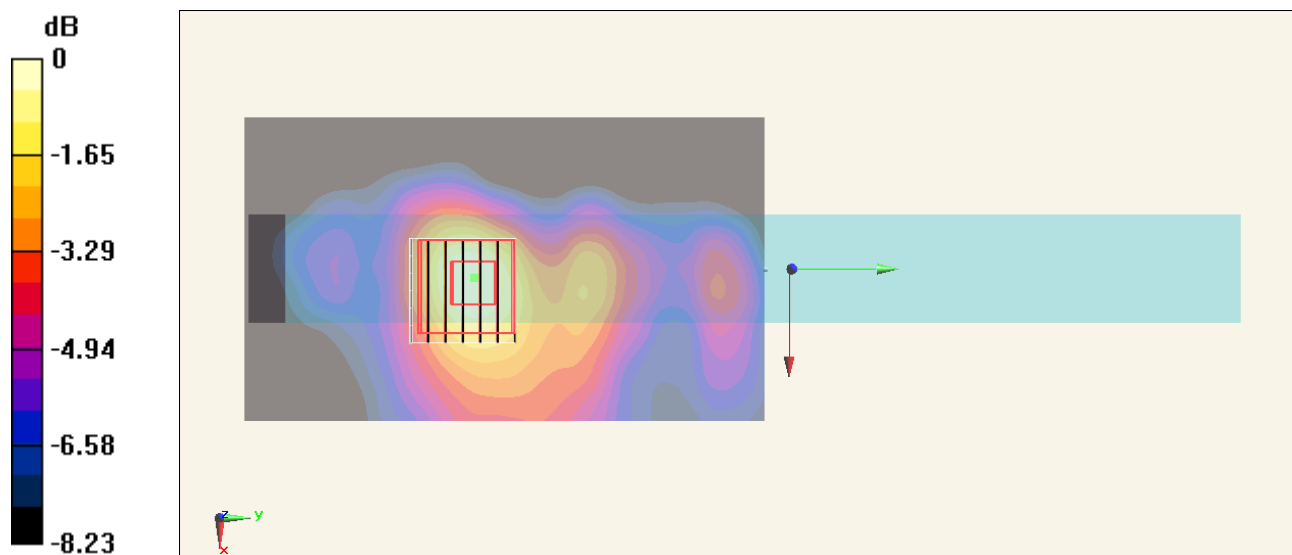
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.047 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.524 mW/g

**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340 mW/g = -9.37 dB mW/g

## #44\_WLAN5G\_802.11n-HT20\_Edge4\_0cm\_Ch149;Ant 0+1

### DUT: 322149-01

Communication System: 802.11n; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130317 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.085$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho =$

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

Ambient Temperature : 22.2°C; Liquid Temperature : 21.2°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch149/Area Scan (71x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.873 mW/g

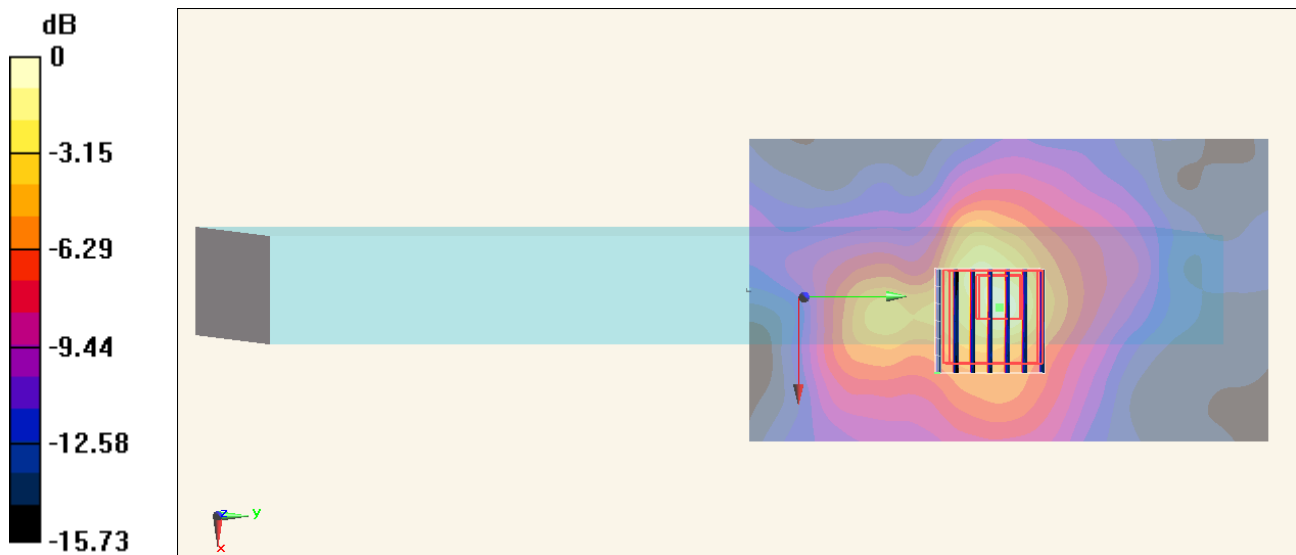
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.356 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.669 mW/g

**SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.145 mW/g**

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



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