



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

The plots are shown as follows.

## #01\_WLAN2.4G\_802.11b\_Bottom Face\_0cm\_Ch6;Ant A

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (161x121x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.0458 mW/g

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

Reference Value = 4.928 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.070 mW/g

**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.041 mW/g**

Maximum value of SAR (measured) = 0.0496 mW/g

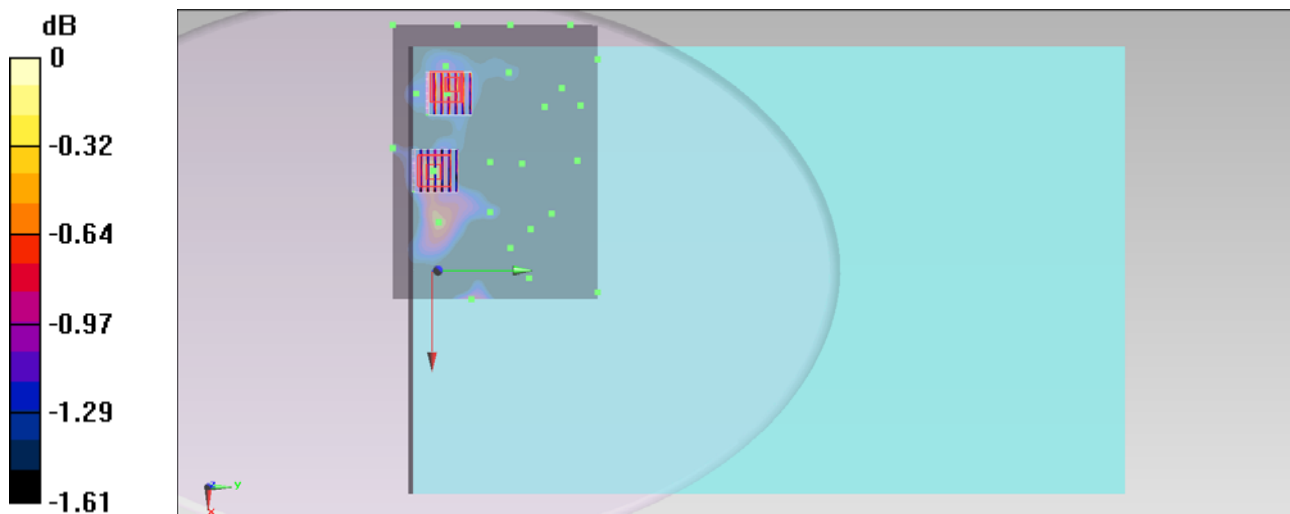
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.928 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.056 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.042 mW/g**

Maximum value of SAR (measured) = 0.0504 mW/g



0 dB = 0.0504 mW/g = -25.95 dB mW/g

## #02\_WLAN2.4G\_802.11b\_Edge 2\_0cm\_Ch6;Ant A

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x281x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.173 mW/g

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

Reference Value = 10.089 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.289 mW/g

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.185 mW/g

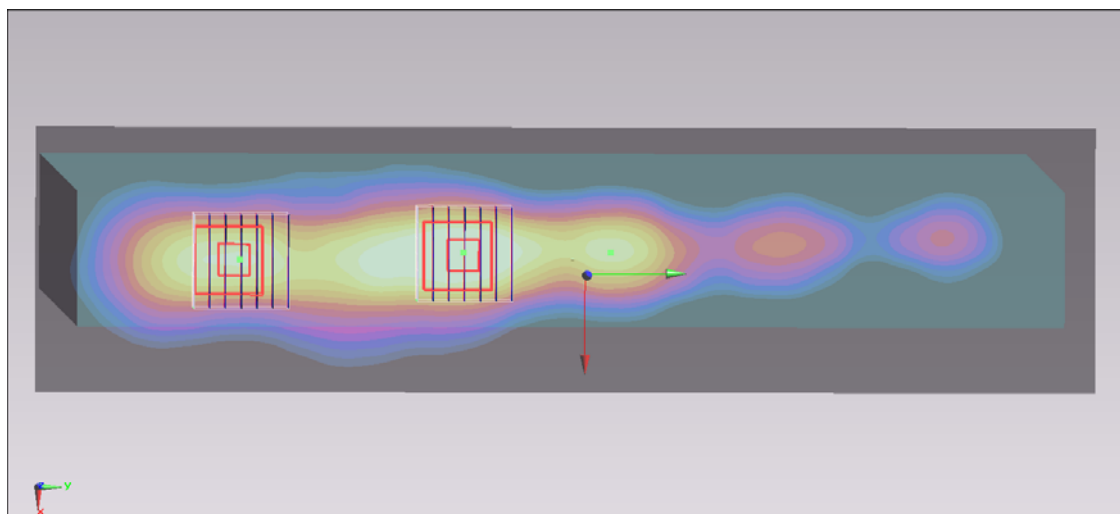
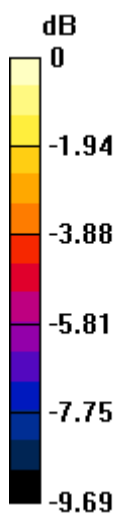
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.089 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.217 mW/g

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.065 mW/g**

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



0 dB = 0.137 mW/g = -17.27 dB mW/g

### #03\_WLAN2.4G\_802.11g\_Edge 2\_0cm\_Ch6;Ant A

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.188 mW/g

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

Reference Value = 9.795 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.293 mW/g

**SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.197 mW/g

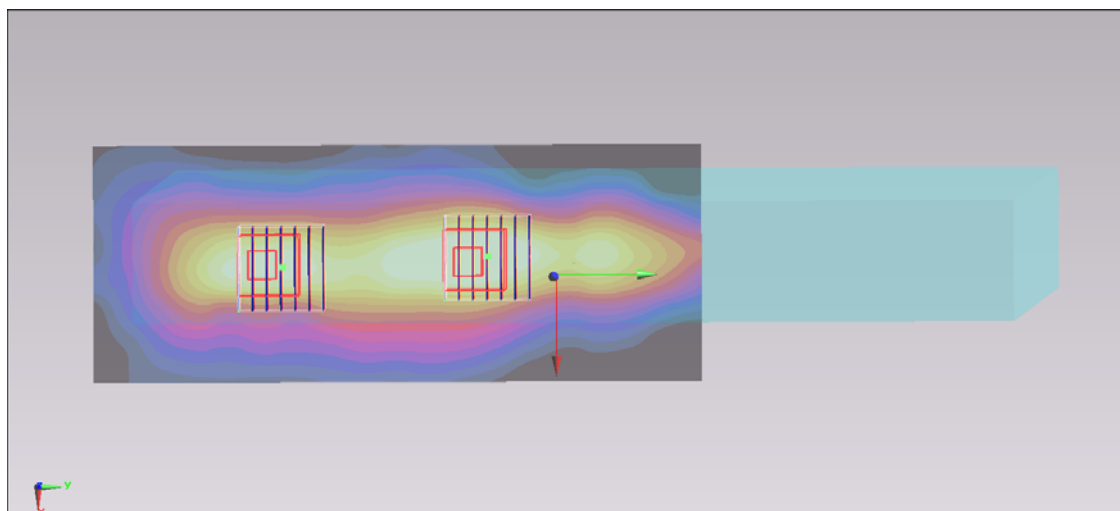
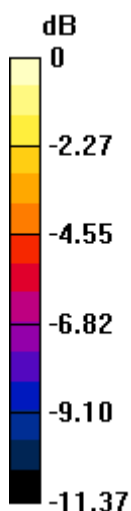
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.795 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.221 mW/g

**SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.145 mW/g



0 dB = 0.145 mW/g = -16.77 dB mW/g

## #04\_WLAN2.4G\_802.11n-HT20\_Edge 2\_0cm\_Ch6;Ant A

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.945 \text{ mho/m}$ ;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.179 \text{ mW/g}$

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

Reference Value =  $9.750 \text{ V/m}$ ; Power Drift =  $0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.281 \text{ mW/g}$

**SAR(1 g) =  $0.145 \text{ mW/g}$ ; SAR(10 g) =  $0.080 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.178 \text{ mW/g}$

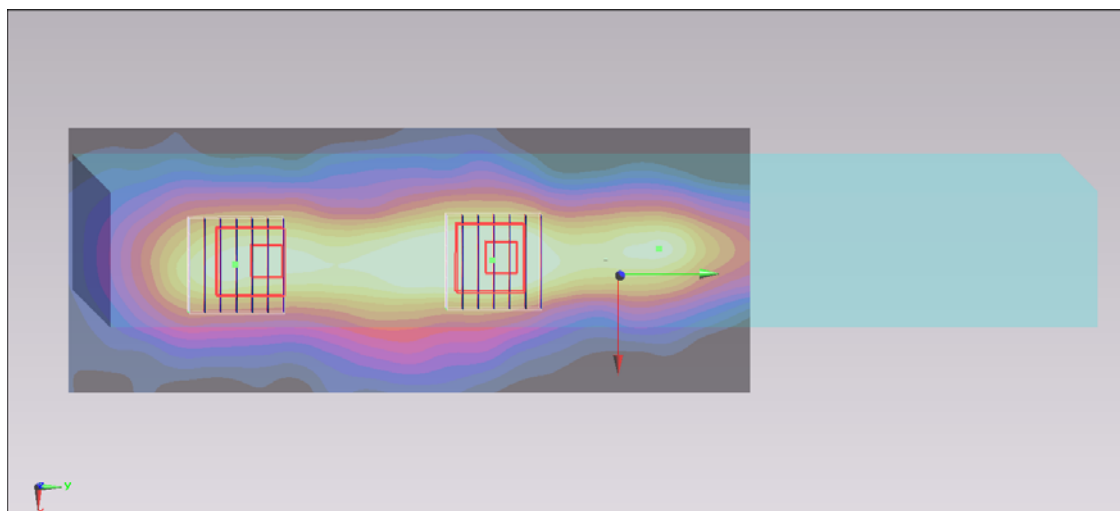
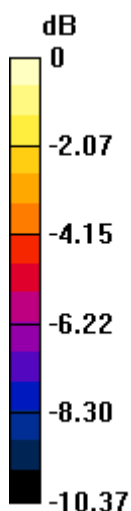
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $9.750 \text{ V/m}$ ; Power Drift =  $0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.205 \text{ mW/g}$

**SAR(1 g) =  $0.103 \text{ mW/g}$ ; SAR(10 g) =  $0.060 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.128 \text{ mW/g}$



$0 \text{ dB} = 0.128 \text{ mW/g} = -17.86 \text{ dB mW/g}$

## #07\_WLAN2.4G\_802.11b\_Bottom Face\_0cm\_Ch6;Ant B

### DUT: 322001

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (161x121x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.0190 mW/g

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

Reference Value = 3.234 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.030 mW/g

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.010 mW/g**

Maximum value of SAR (measured) = 0.0198 mW/g

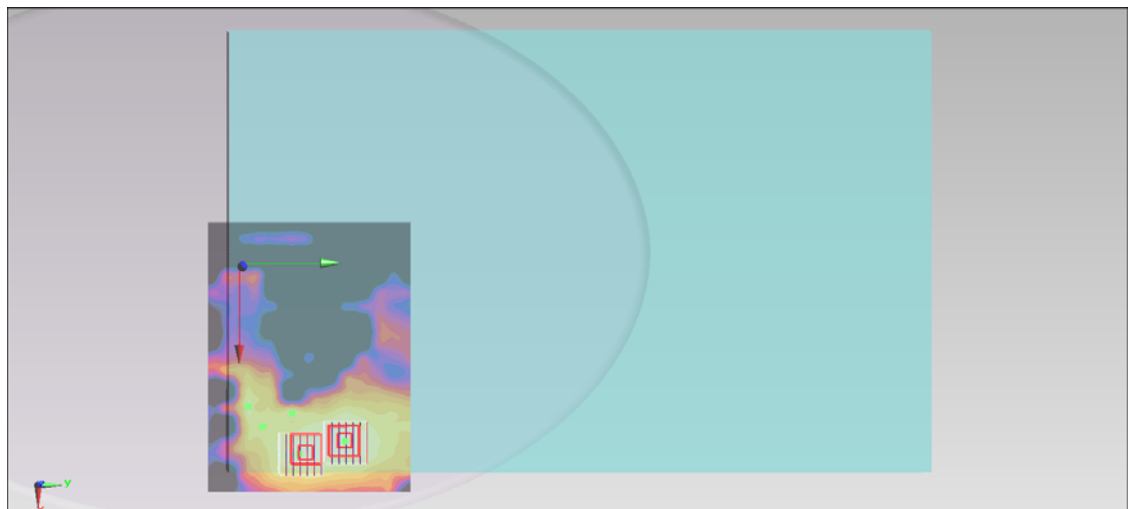
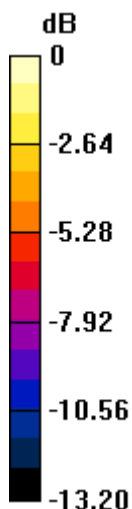
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.234 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.029 mW/g

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00948 mW/g**

Maximum value of SAR (measured) = 0.0192 mW/g



0 dB = 0.0192 mW/g = -34.33 dB mW/g

## #08\_WLAN2.4G\_802.11b\_Edge 2\_0cm\_Ch6;Ant B

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.0879 mW/g

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

Reference Value = 6.627 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.149 mW/g

**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.039 mW/g**

Maximum value of SAR (measured) = 0.0934 mW/g

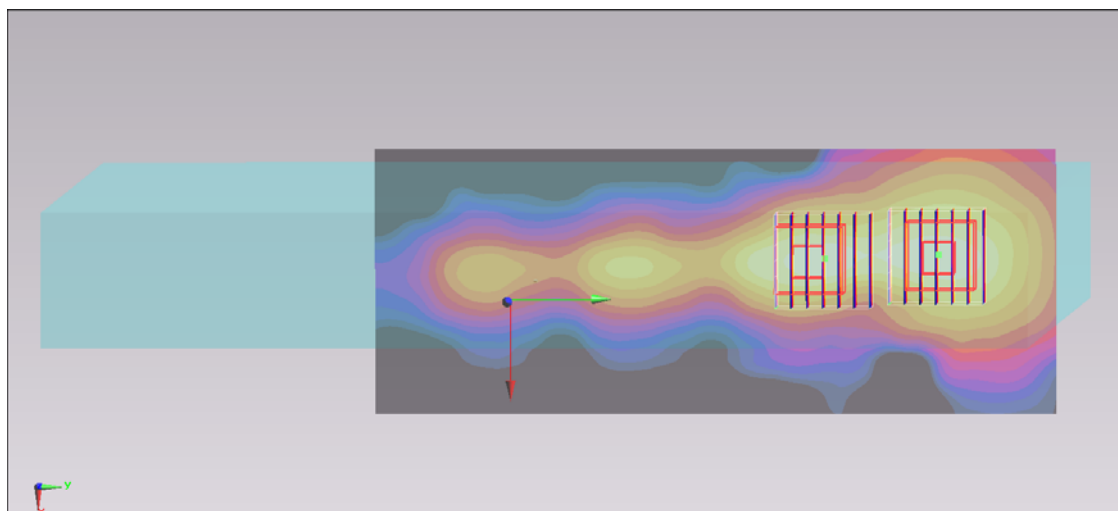
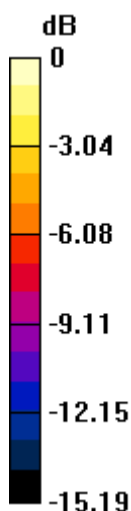
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.627 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.134 mW/g

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.039 mW/g**

Maximum value of SAR (measured) = 0.0869 mW/g



0 dB = 0.0869 mW/g = -21.22 dB mW/g

### #09\_WLAN2.4G\_802.11b\_Edge 3\_0cm\_Ch6;Ant B

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.238 mW/g

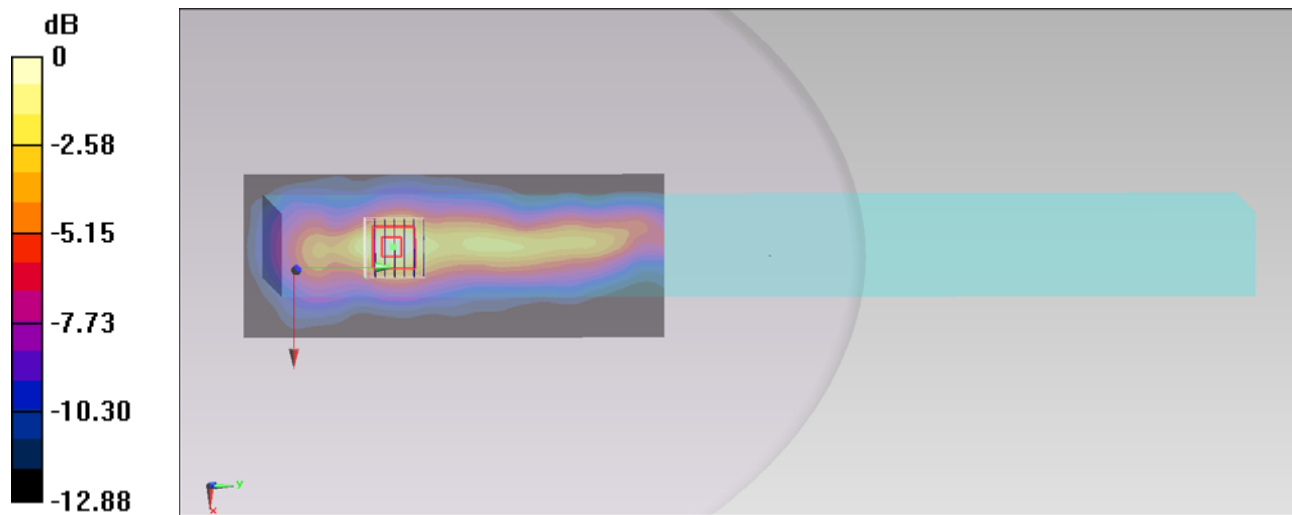
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.267 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.363 mW/g

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.234 mW/g = -12.62 dB mW/g



## #10\_WLAN2.4G\_802.11g\_Edge 3\_0cm\_Ch6;Ant B

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.201 mW/g

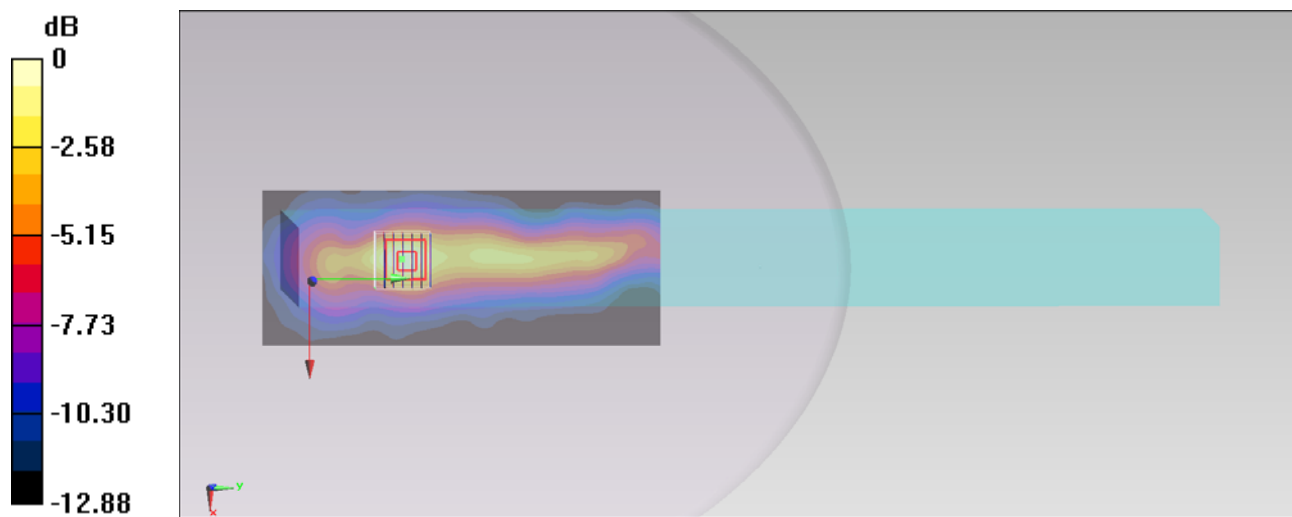
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.327 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.301 mW/g

**SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.198 mW/g



### #11\_WLAN2.4G\_802.11n-HT20\_Edge 3\_0cm\_Ch6;Ant B

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.187 mW/g

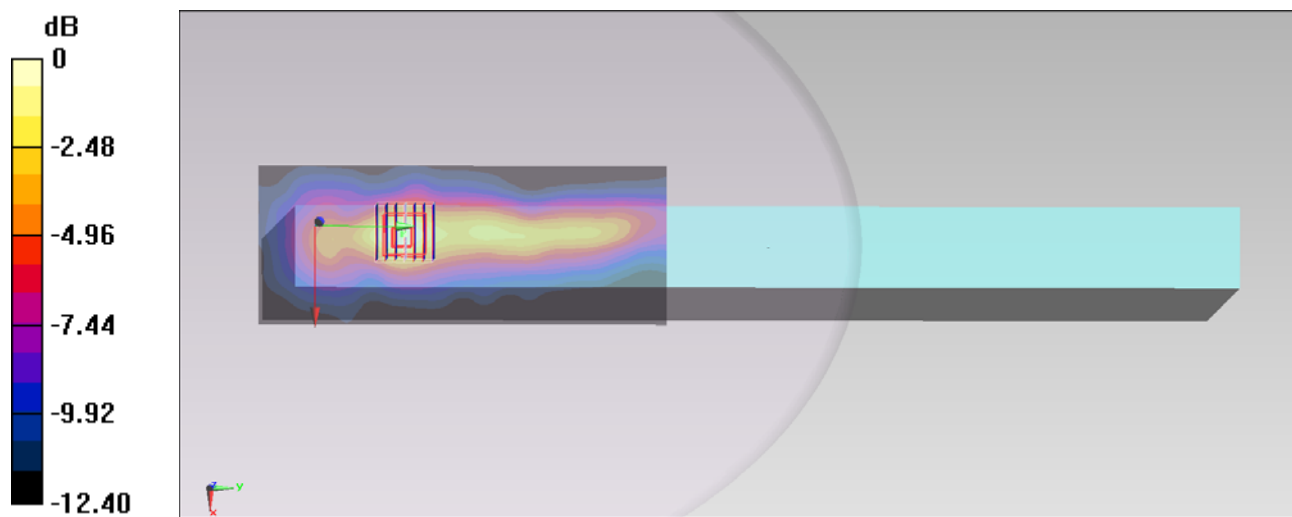
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.038 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.292 mW/g

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.080 mW/g**

Maximum value of SAR (measured) = 0.184 mW/g



0 dB = 0.184 mW/g = -14.70 dB mW/g

**#14\_WLAN2.4G\_802.11n-HT20\_Bottom Face\_0cm\_Ch6;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.945 \text{ mho/m}$ ;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (281x121x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.0111 \text{ mW/g}$

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

Reference Value =  $1.560 \text{ V/m}$ ; Power Drift =  $0.19 \text{ dB}$

Peak SAR (extrapolated) =  $0.00953 \text{ mW/g}$

**SAR(1 g) =  $0.00516 \text{ mW/g}$ ; SAR(10 g) =  $0.00297 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.00671 \text{ mW/g}$

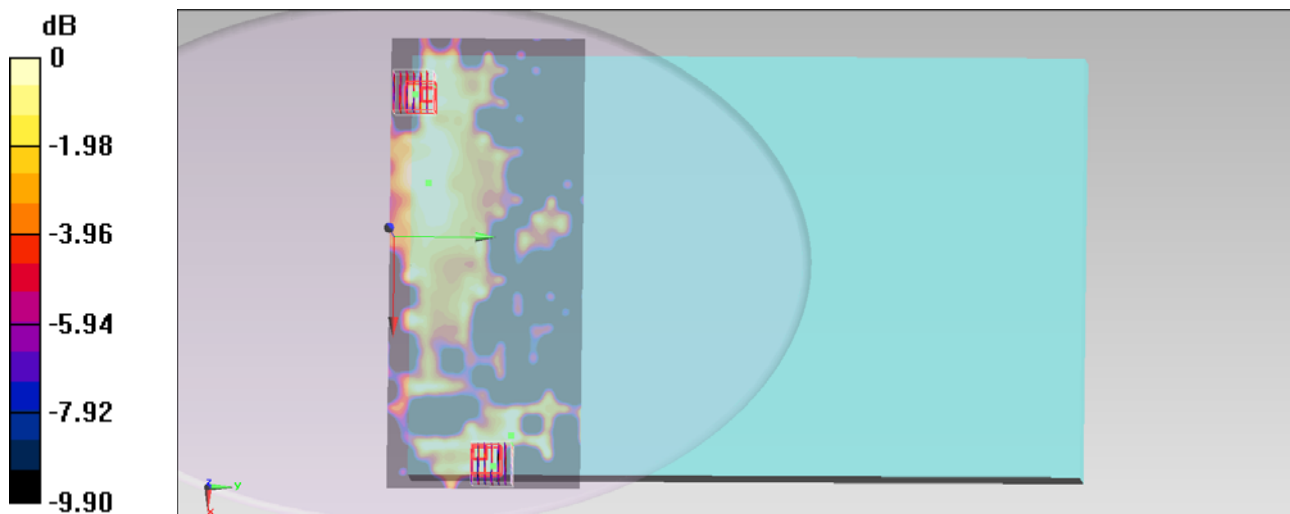
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $1.560 \text{ V/m}$ ; Power Drift =  $0.19 \text{ dB}$

Peak SAR (extrapolated) =  $0.00799 \text{ mW/g}$

**SAR(1 g) =  $0.00482 \text{ mW/g}$ ; SAR(10 g) =  $0.00289 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.00607 \text{ mW/g}$



$0 \text{ dB} = 0.00607 \text{ mW/g} = -44.34 \text{ dB mW/g}$

**#15\_WLAN2.4G\_802.11n-HT20\_Edge 2\_0cm\_Ch6;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.945 \text{ mho/m}$ ;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x291x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.0858 \text{ mW/g}$

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

Reference Value =  $6.859 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.135 \text{ mW/g}$

**SAR(1 g) =  $0.071 \text{ mW/g}$ ; SAR(10 g) =  $0.042 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0871 \text{ mW/g}$

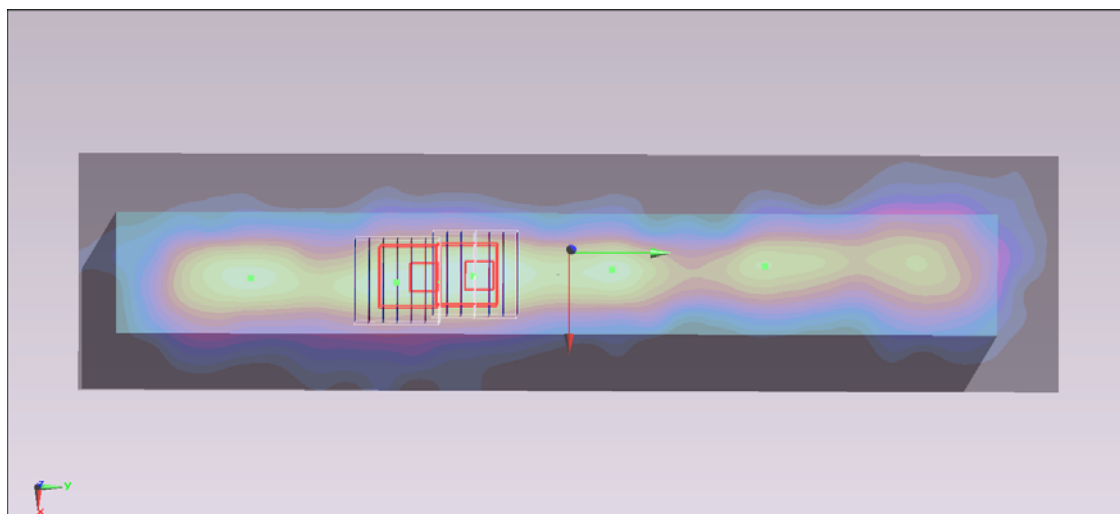
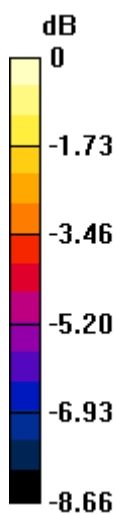
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $6.859 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.152 \text{ mW/g}$

**SAR(1 g) =  $0.064 \text{ mW/g}$ ; SAR(10 g) =  $0.038 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0802 \text{ mW/g}$



$0 \text{ dB} = 0.0802 \text{ mW/g} = -21.92 \text{ dB mW/g}$

**#16\_WLAN2.4G\_802.11n-HT20\_Edge 3\_0cm\_Ch6;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_2450\_130301 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.945$  mho/m;  $\epsilon_r = 52.941$ ;  $\rho$

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

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.17, 4.17, 4.17); 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/Ch6/Area Scan (71x181x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 0.0943 mW/g

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

Reference Value = 7.385 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.187 mW/g

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.044 mW/g**

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

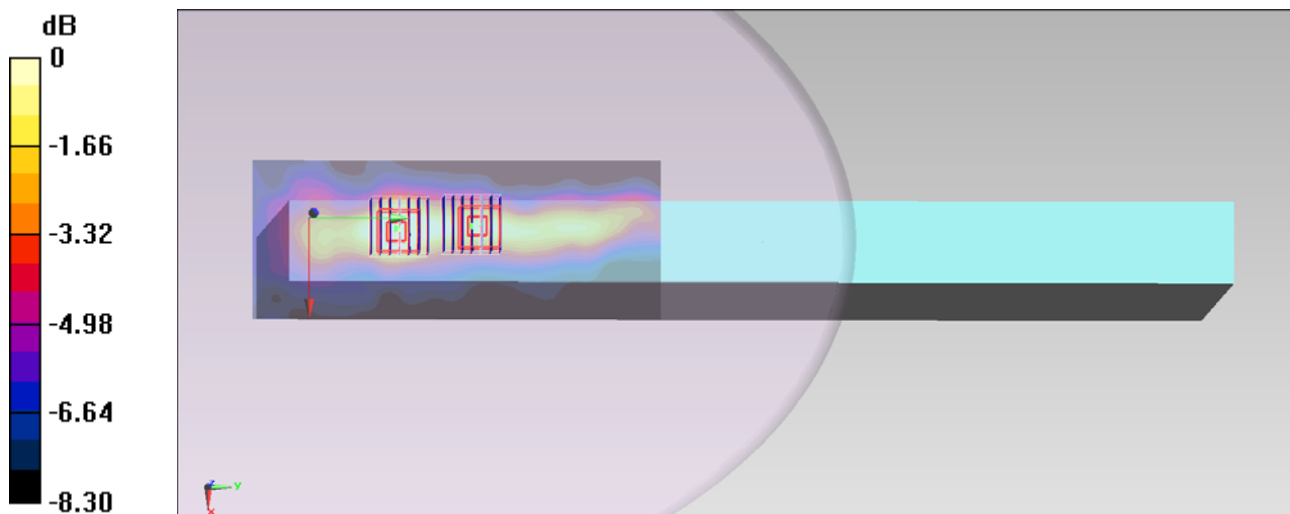
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.385 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.105 mW/g

**SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.032 mW/g**

Maximum value of SAR (measured) = 0.0665 mW/g



0 dB = 0.0665 mW/g = -23.54 dB mW/g

### #19\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch44;Ant A

#### DUT: 322001

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

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.281$  S/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch44/Area Scan (201x151x1):** Interpolated grid: dx=10 mm, dy=10 mm  
Maximum value of SAR (interpolated) = 0.347 W/kg

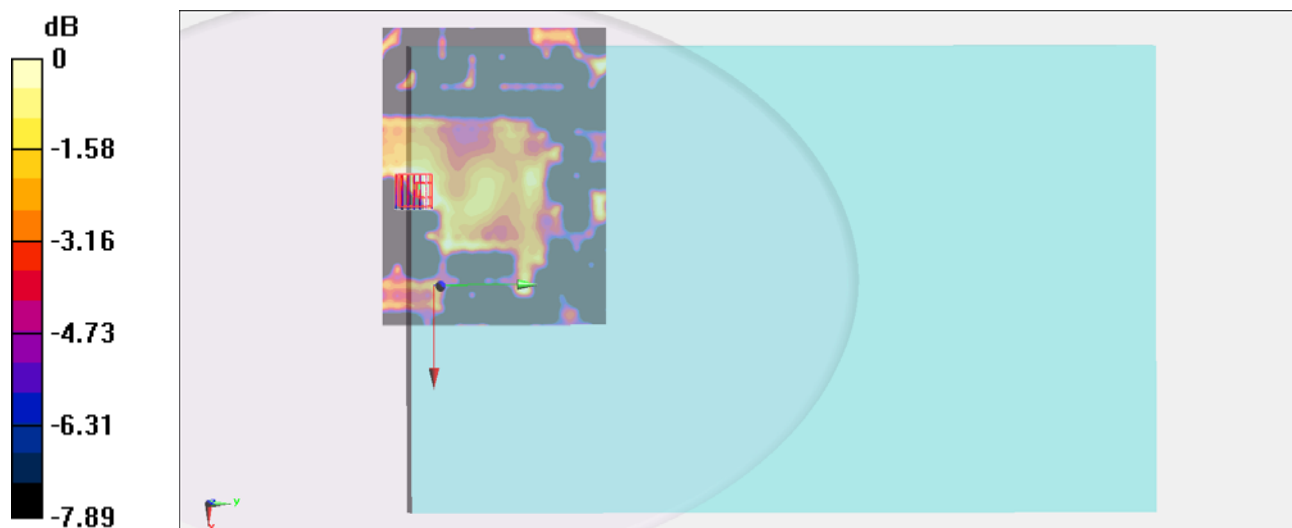
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.372 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.085 W/kg**

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

## #20\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch44;Ant A

### DUT: 322001

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

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.281$  S/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch44/Area Scan (71x201x1):** Interpolated grid: dx=10 mm, dy=10 mm  
 Maximum value of SAR (interpolated) = 1.09 W/kg

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

Reference Value = 14.260 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.227 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg

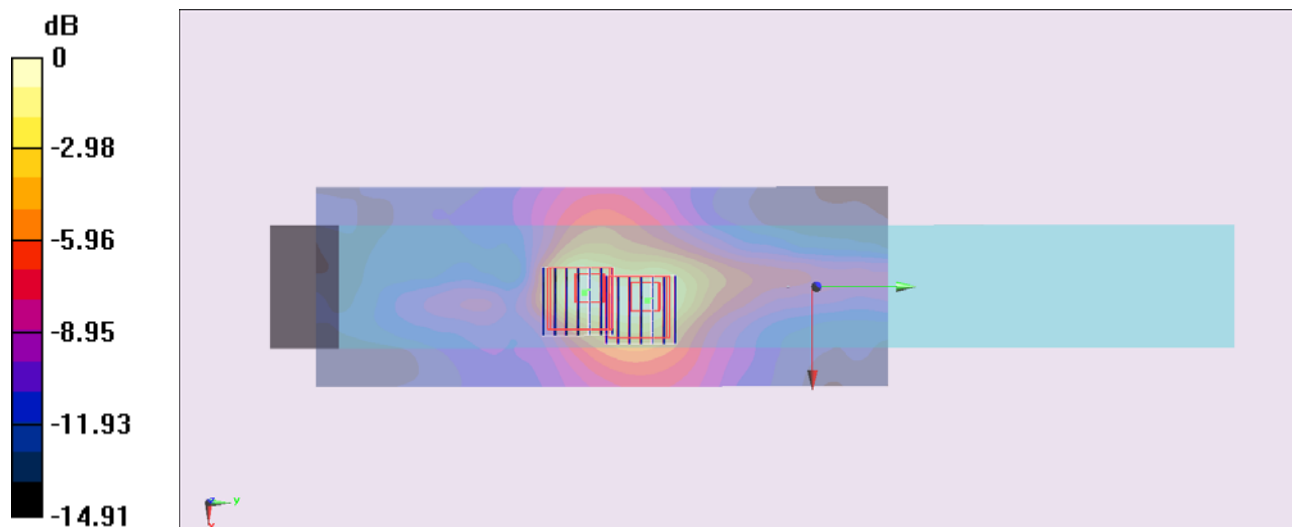
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.260 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

### #30\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch60;Ant A

**DUT: 322001**

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

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 47.298$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (201x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.276 W/kg

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

Reference Value = 2.144 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.060 W/kg**

Maximum value of SAR (measured) = 0.134 W/kg

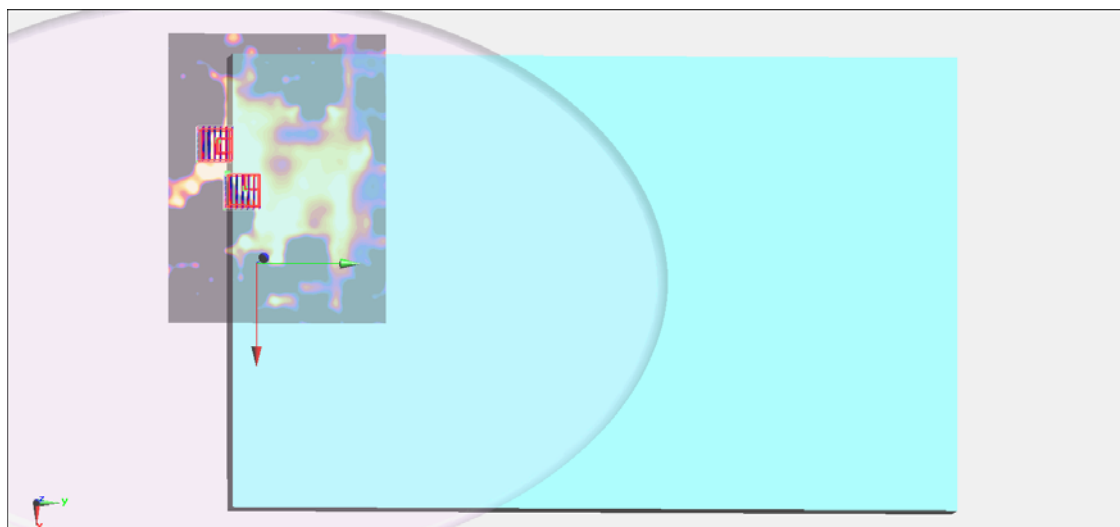
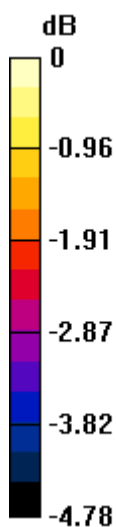
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.144 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.0936 W/kg



0 dB = 0.0936 W/kg = -10.29 dBW/kg



### #31\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch60;Ant A

**DUT: 322001**

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

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.405$  S/m;  $\epsilon_r = 47.298$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.832 W/kg

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

Reference Value = 11.720 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.806 W/kg

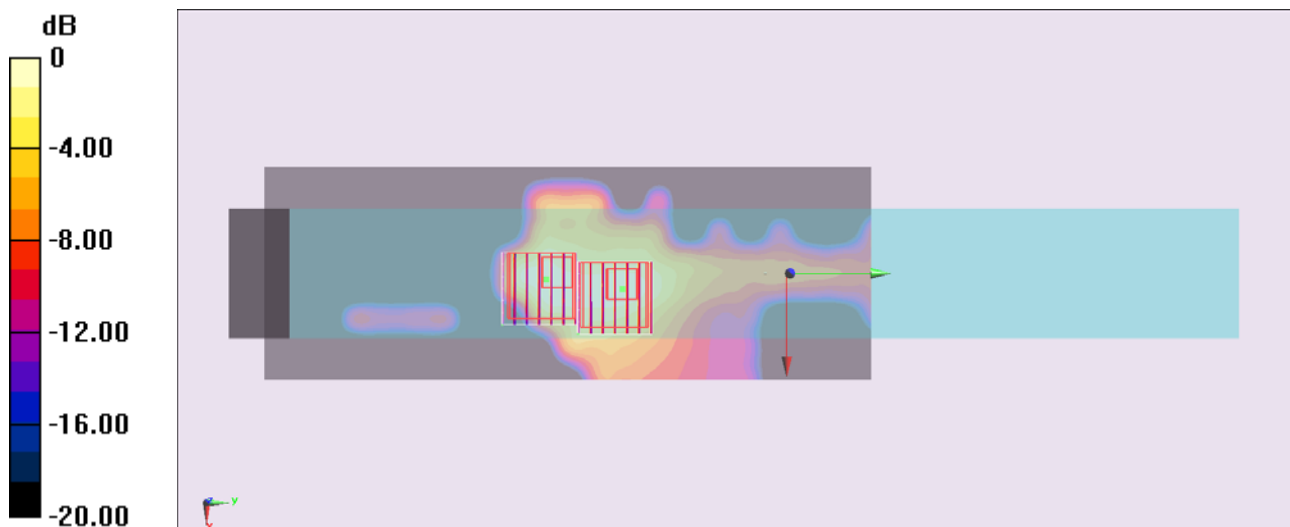
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.720 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.766 W/kg



0 dB = 0.766 W/kg = -1.16 dBW/kg

### #41\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch100;Ant A

**DUT: 322001**

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (201x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.253 W/kg

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

Reference Value = 4.747 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 6.08 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 6.08 W/kg

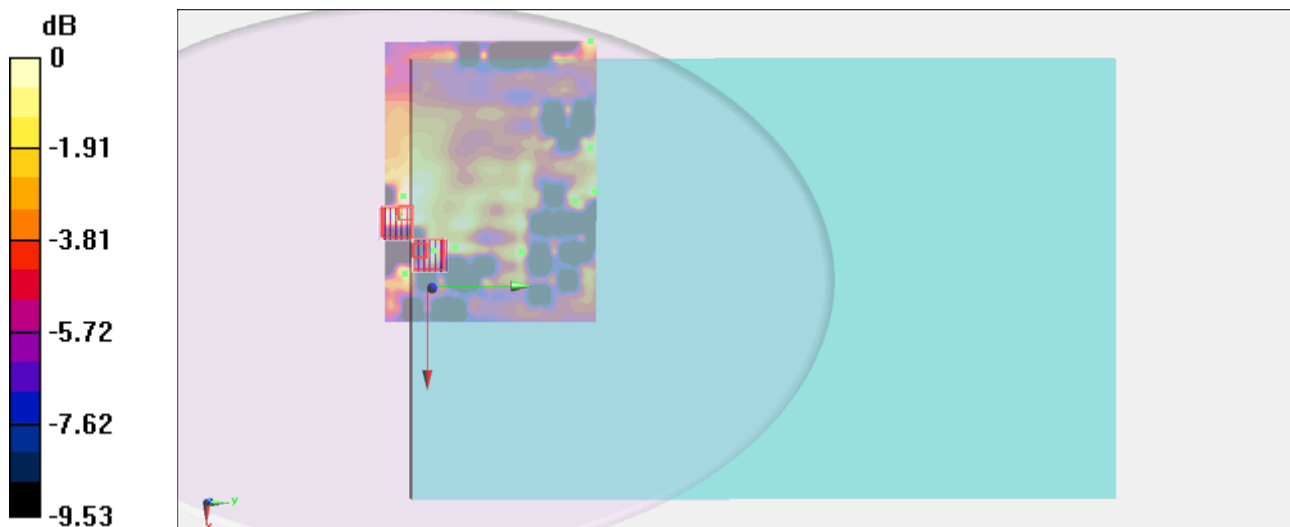
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.747 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg = -7.47 dBW/kg

## #42\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch100;Ant A

### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.998 W/kg

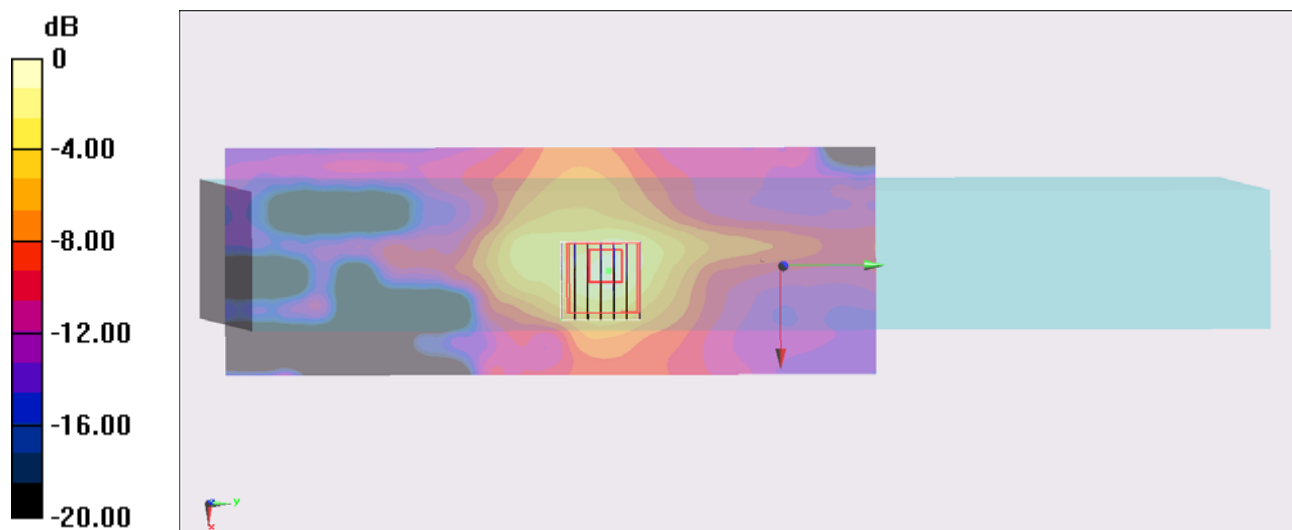
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.859 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

### #43\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch116;Ant A

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 5.628$  S/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 - SN3697; ConvF(3.75, 3.75, 3.75); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch116/Area Scan (71x201x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) =  $1.33$  W/kg

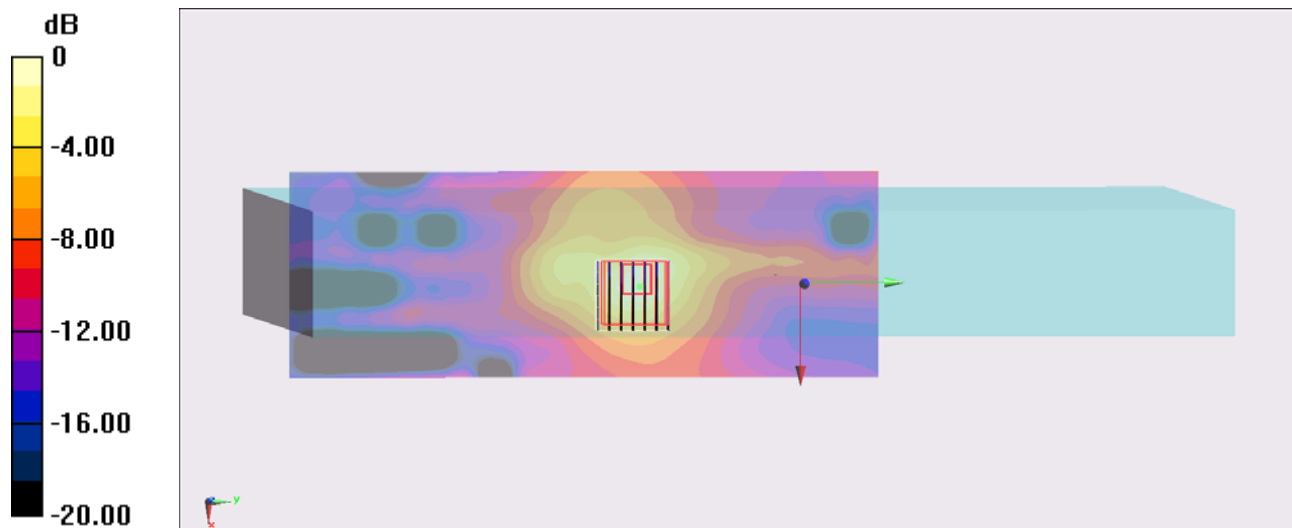
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value =  $16.663$  V/m; Power Drift =  $0.10$  dB

Peak SAR (extrapolated) =  $2.41$  W/kg

**SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) =  $1.39$  W/kg



### #44\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch140;Ant A

#### DUT: 322001

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 46.689$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(3.75, 3.75, 3.75); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch140/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.50 W/kg

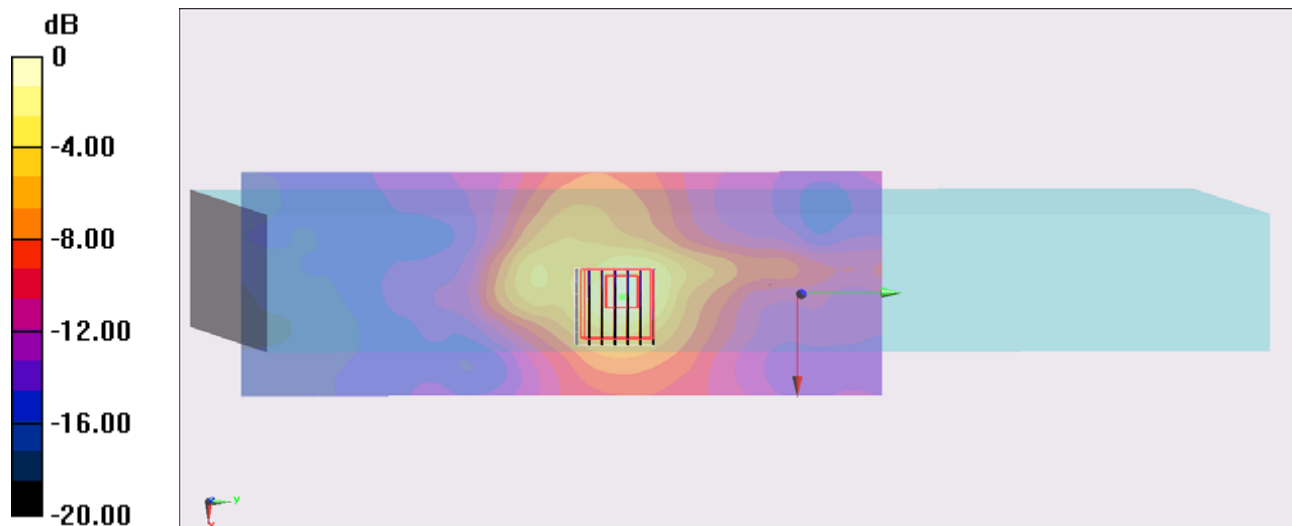
**Configuration/Ch140/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.156 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.70 W/kg

**SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

## #55\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch149;Ant A

**DUT: 322001**

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

Medium: MSL\_5G\_130306 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.069$  S/m;  $\epsilon_r = 46.672$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch149/Area Scan (201x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.300 W/kg

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

Reference Value = 7.682 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.499 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.293 W/kg

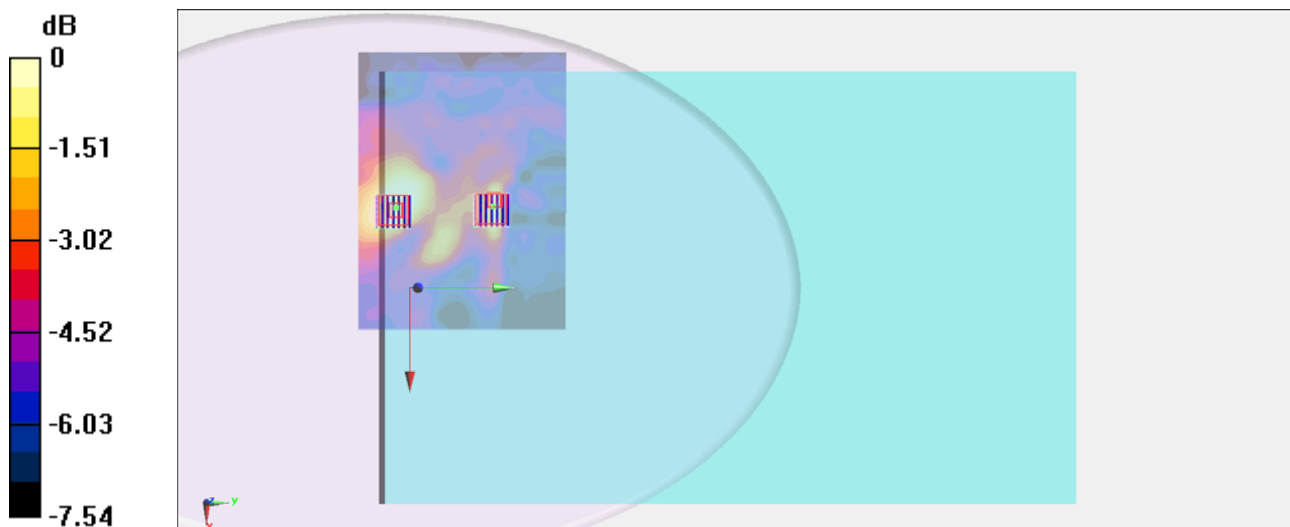
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.682 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.444 W/kg

**SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.092 W/kg**

Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

### #56\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch149;Ant A

#### DUT: 322001

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

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.069$  S/m;  $\epsilon_r = 46.672$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch149/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.66 W/kg

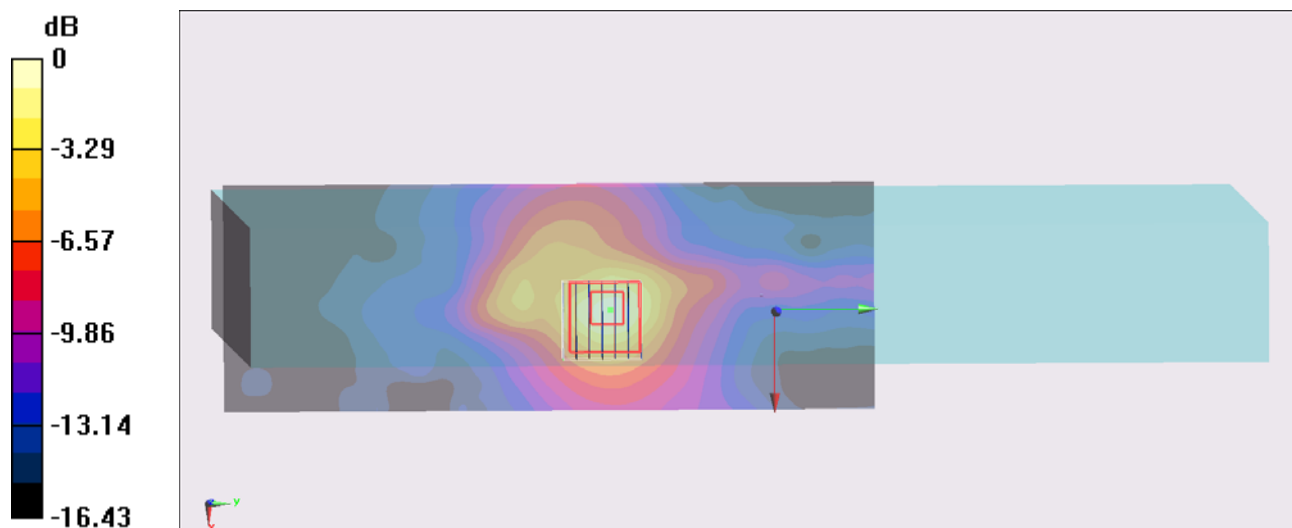
**Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.222 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.91 W/kg

**SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg = 2.48 dBW/kg

### #57\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch157;Ant A

#### DUT: 322001

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5785$  MHz;  $\sigma = 6.113$  S/m;  $\epsilon_r = 46.528$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch157/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.48 W/kg

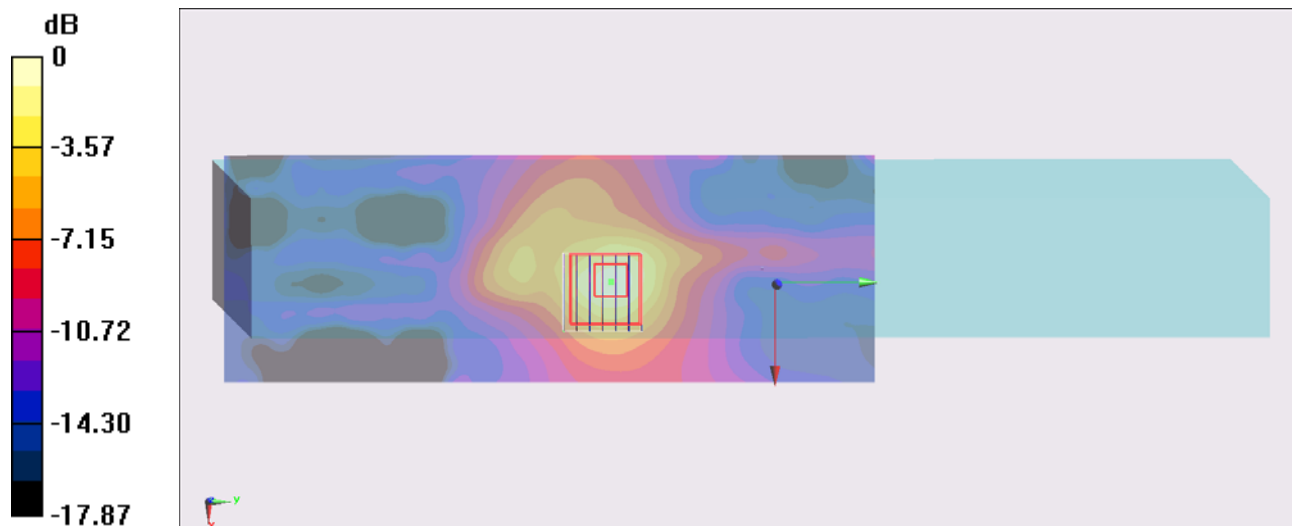
**Configuration/Ch157/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.695 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.67 W/kg

**SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg



### #58\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch165;Ant A

#### DUT: 322001

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.12 W/kg

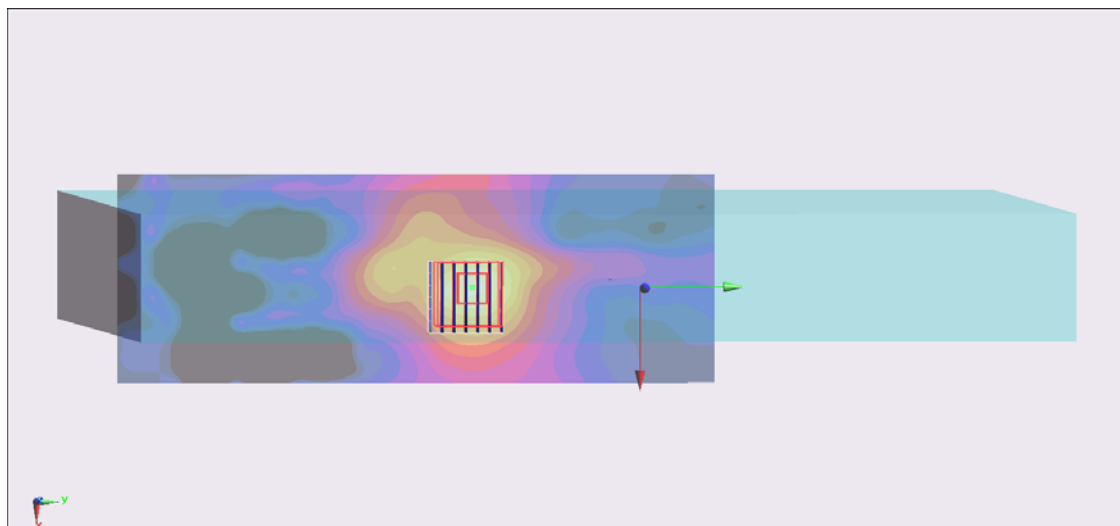
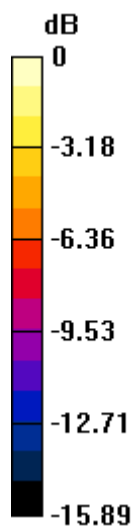
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.251 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.25 W/kg

**SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

### #23\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch40;Ant B

**DUT: 322001**

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.268$  S/m;  $\epsilon_r = 47.552$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch40/Area Scan (171x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.0853 W/kg

**Configuration/Ch40/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.262 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.0944 W/kg

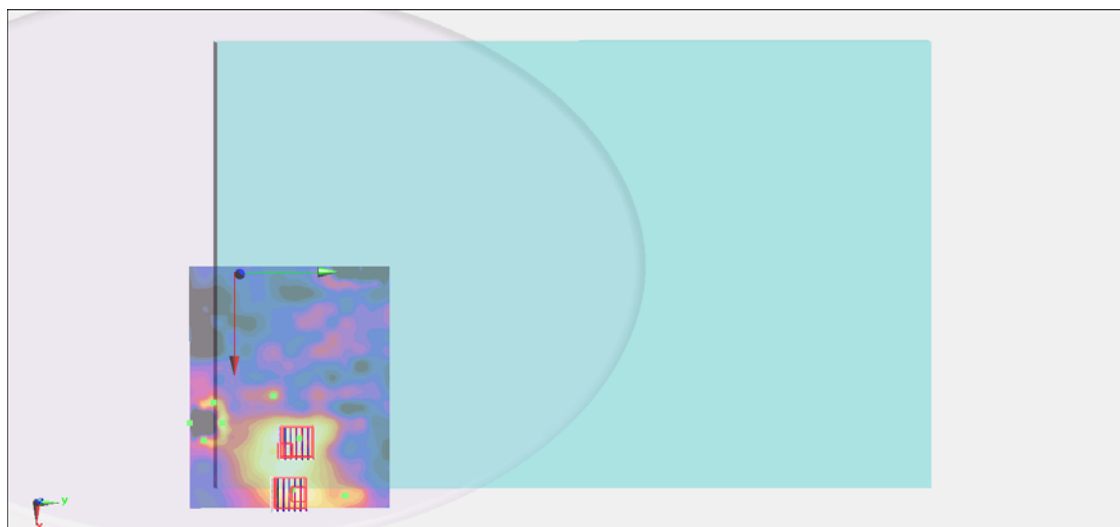
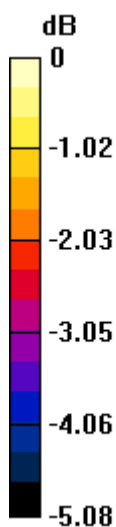
**Configuration/Ch40/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.262 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0860 W/kg



0 dB = 0.0860 W/kg = -10.66 dBW/kg

## #22\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch40;Ant B

### DUT: 322001

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.268$  S/m;  $\epsilon_r = 47.552$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch40/Area Scan (71x201x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.230 W/kg

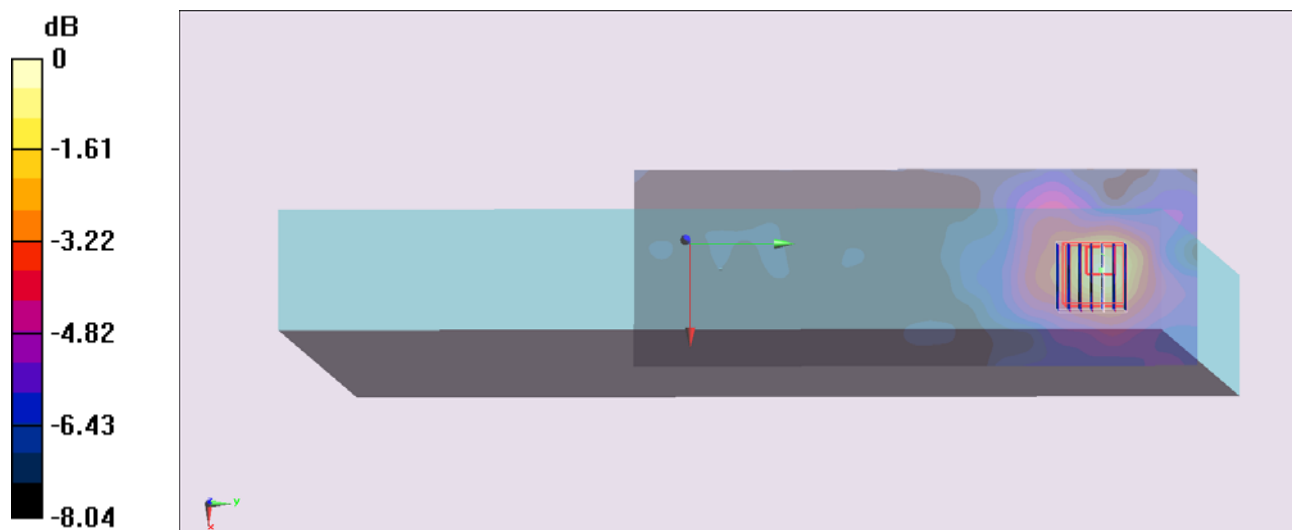
**Configuration/Ch40/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.734 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.418 W/kg

**SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.075 W/kg**

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg = -6.02 dBW/kg

## #24\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch40;Ant B

### DUT: 322001

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.268$  S/m;  $\epsilon_r = 47.552$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch40/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.62 W/kg

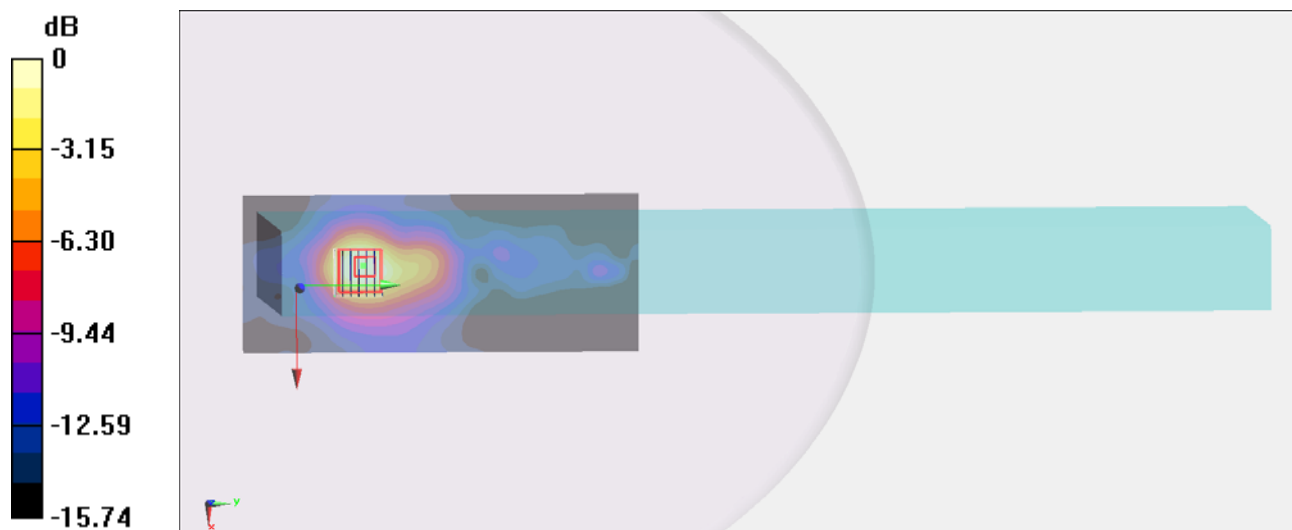
**Configuration/Ch40/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.583 V/m; Power Drift = 0.152 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.230 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

### #33\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch60;Ant B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.255$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (171x141x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) =  $0.188$  W/kg

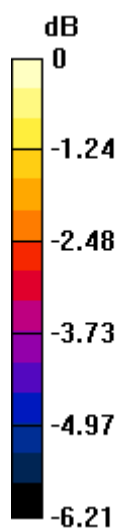
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value =  $4.914$  V/m; Power Drift =  $-0.128$  dB

Peak SAR (extrapolated) =  $0.142$  W/kg

**SAR(1 g) =  $0.075$  W/kg; SAR(10 g) =  $0.059$  W/kg**

Maximum value of SAR (measured) =  $0.129$  W/kg



0 dB =  $0.129$  W/kg =  $-8.89$  dBW/kg

### #34\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch60;Ant B

**DUT: 322001**

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.255$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.270 W/kg

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

Reference Value = 8.028 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.107 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg

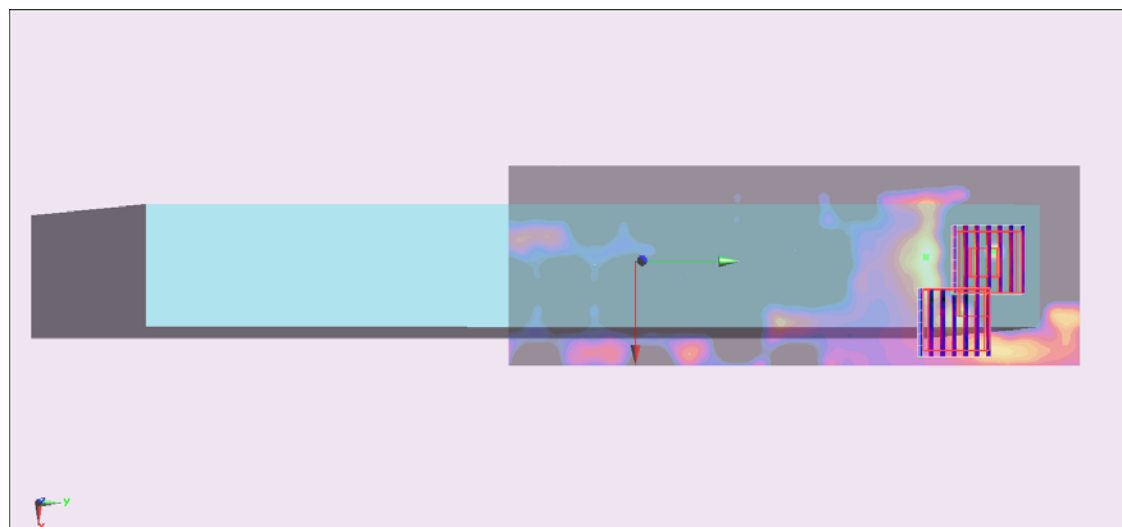
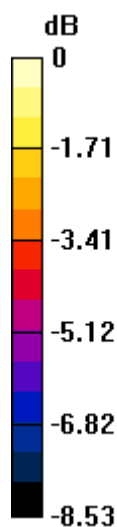
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.028 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.351 W/kg

**SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg = -6.40 dBW/kg

### #35\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch60;Ant B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.255$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.00 W/kg

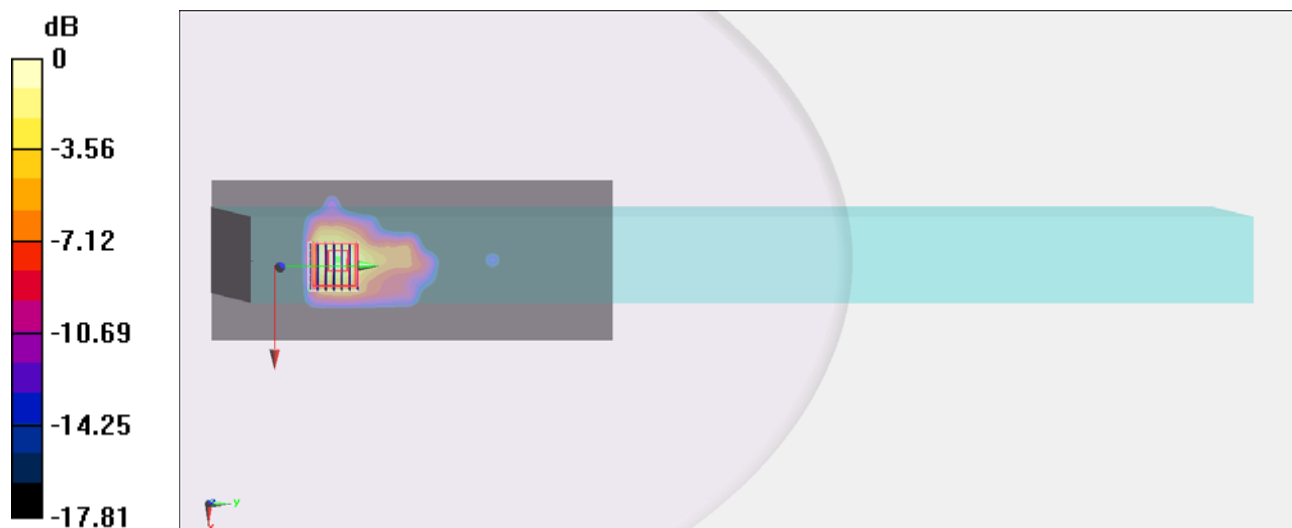
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.069 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 3.26 W/kg

**SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

## #67\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch60;Ant B\_Repeat

### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 47.255$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch60/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 2.00 W/kg

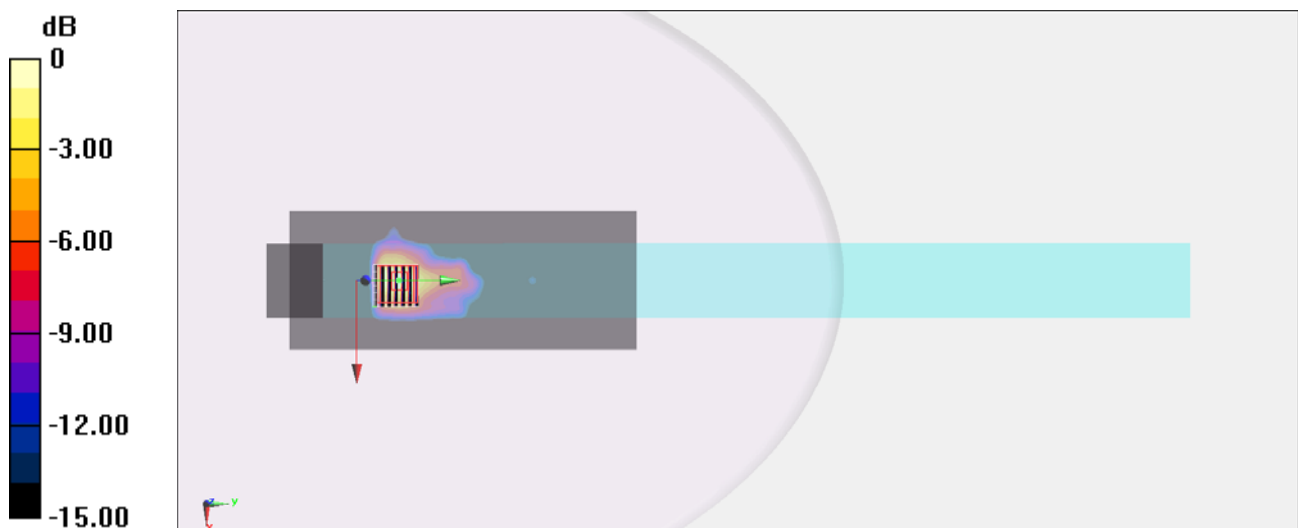
**Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.069 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 3.26 W/kg

**SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.312 W/kg**

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg



### #36\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch52;Ant B

#### DUT: 322001

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130305 Medium parameters used :  $f = 5260$  MHz;  $\sigma = 5.192$  S/m;  $\epsilon_r = 47.332$ ;  $\rho =$

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

Ambient Temperature :  $22.3$  °C; Liquid Temperature :  $21.3$  °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch52/Area Scan (81x201x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) =  $1.44$  W/kg

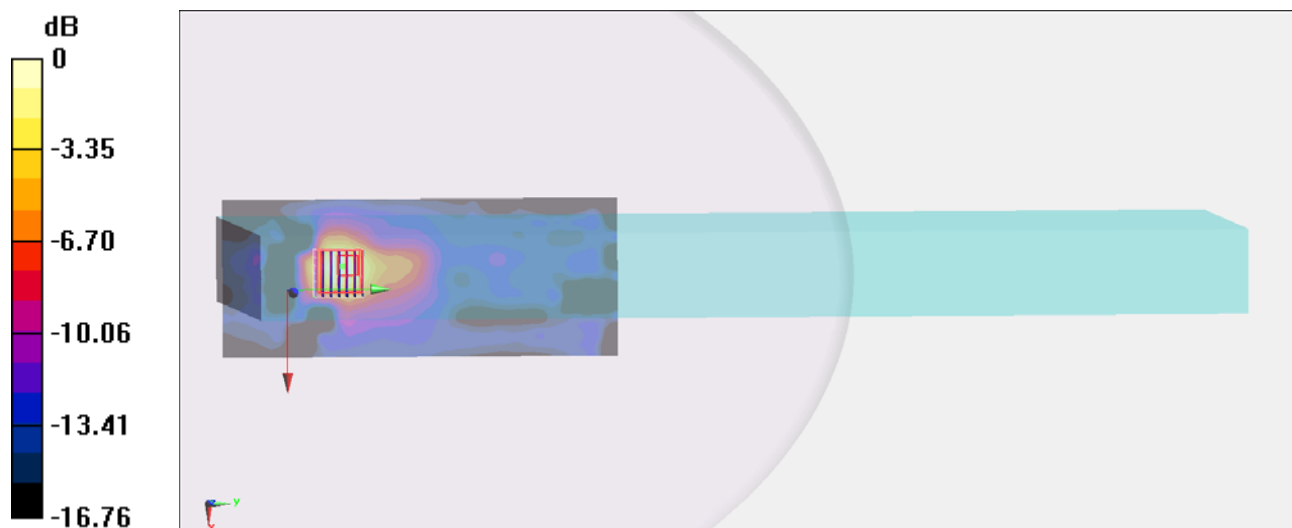
**Configuration/Ch52/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value =  $16.878$  V/m; Power Drift =  $0.10$  dB

Peak SAR (extrapolated) =  $2.26$  W/kg

**SAR(1 g) =  $0.698$  W/kg; SAR(10 g) =  $0.279$  W/kg**

Maximum value of SAR (measured) =  $1.44$  W/kg



0 dB =  $1.44$  W/kg =  $1.58$  dBW/kg

### #45\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch100;Ant B

**DUT: 322001**

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (171x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.123 W/kg

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

Reference Value = 4.011 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.0954 W/kg

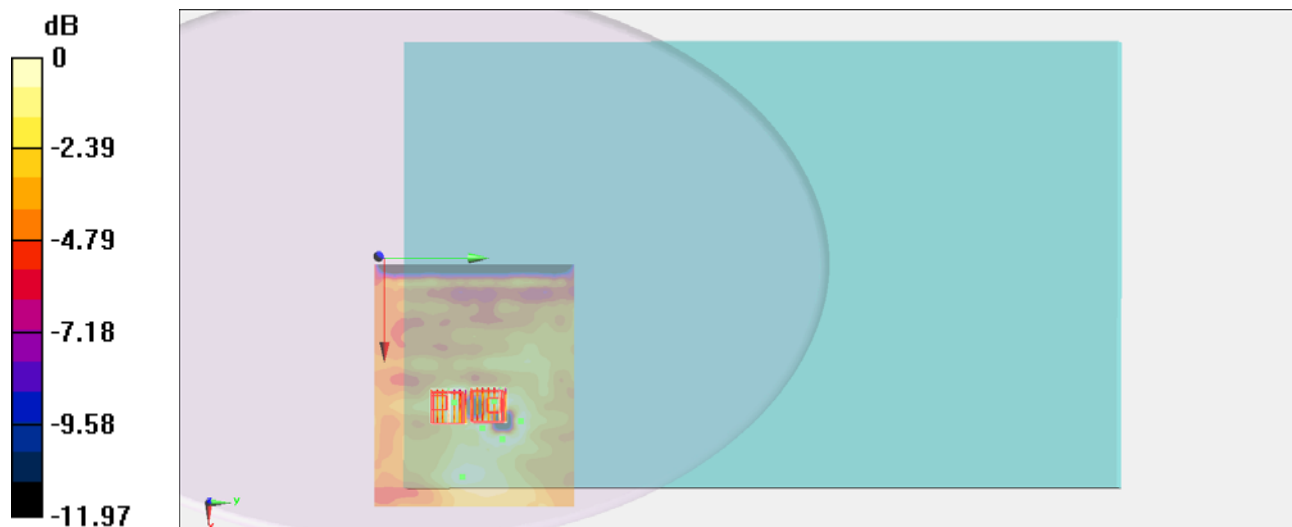
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.011 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0976 W/kg



0 dB = 0.0976 W/kg = -10.11 dBW/kg

### #46\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch100;Ant B

**DUT: 322001**

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (71x171x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.316 W/kg

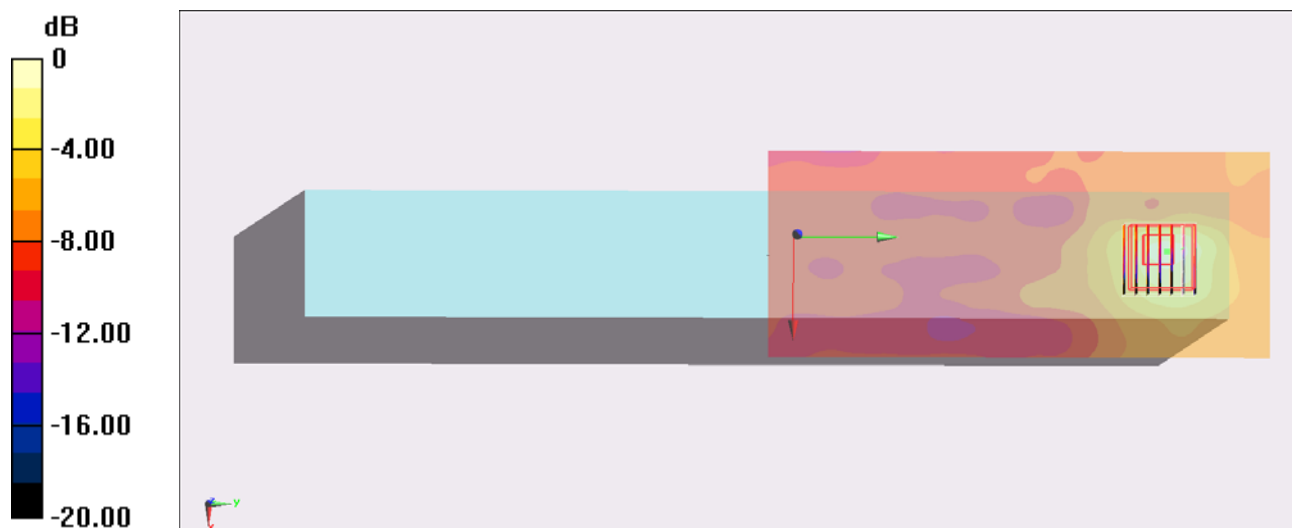
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.838 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.63 dBW/kg

### #47\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch100;Ant B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.31 W/kg

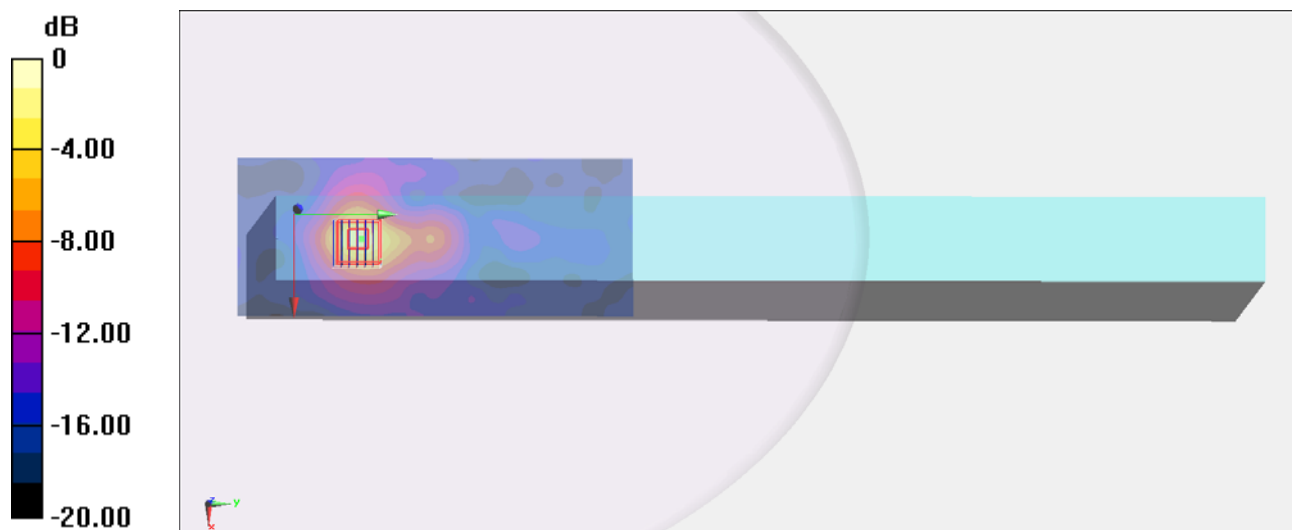
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.559 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.23 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 1.89 W/kg



0 dB = 1.89 W/kg = 2.76 dBW/kg

### #48\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch116;Ant B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.628$  S/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 - SN3697; ConvF(3.75, 3.75, 3.75); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch116/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.58 W/kg

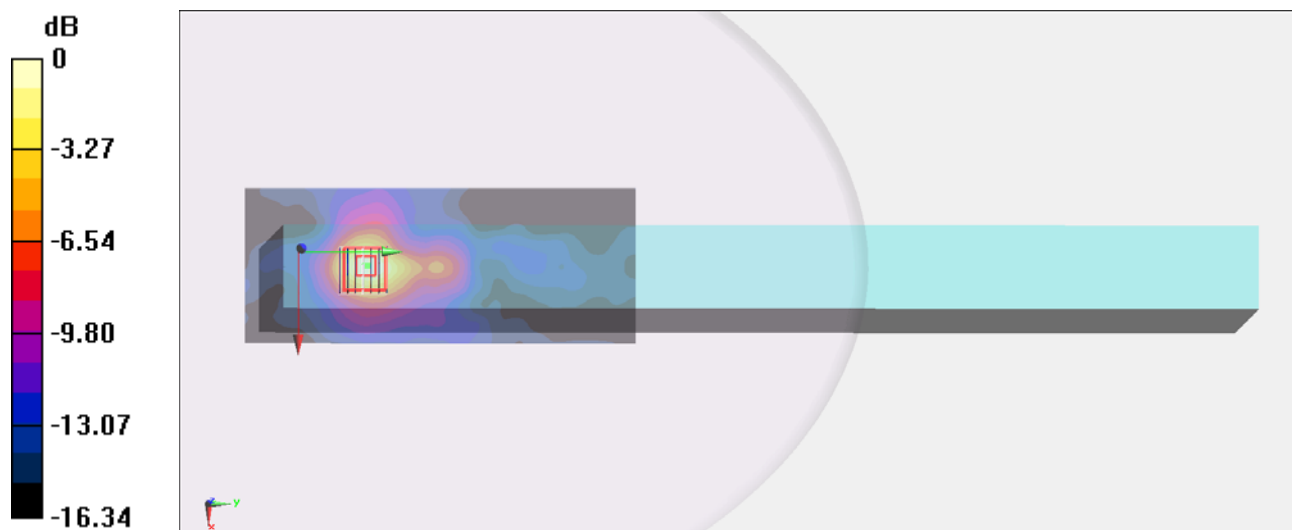
**Configuration/Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.948 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.62 W/kg

**SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

### #49\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch140;Ant B

#### DUT: 322001

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 46.689$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(3.75, 3.75, 3.75); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch140/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.44 W/kg

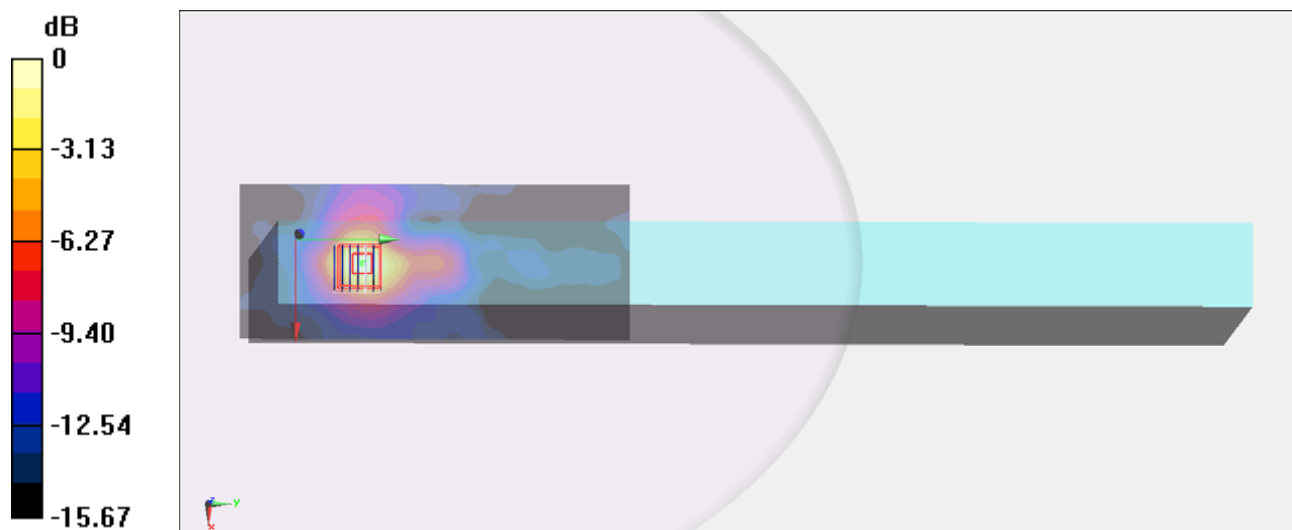
**Configuration/Ch140/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.666 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.243 W/kg**

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

## #59\_WLAN5G\_802.11a\_Bottom Face\_0cm\_Ch165;Ant B

**DUT: 322001**

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (171x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.137 W/kg

**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.902 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.194 W/kg

**SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.069 W/kg**

Maximum value of SAR (measured) = 0.136 W/kg

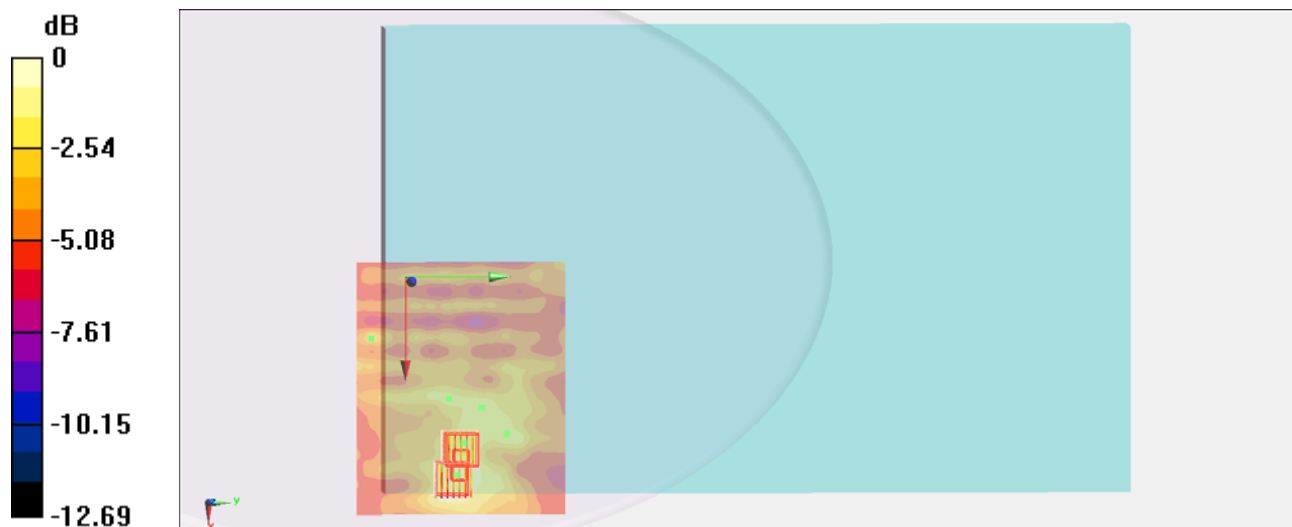
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.902 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.319 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg = -8.12 dBW/kg

## #60\_WLAN5G\_802.11a\_Edge 2\_0cm\_Ch165;Ant B

### DUT: 322001

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (71x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.351 W/kg

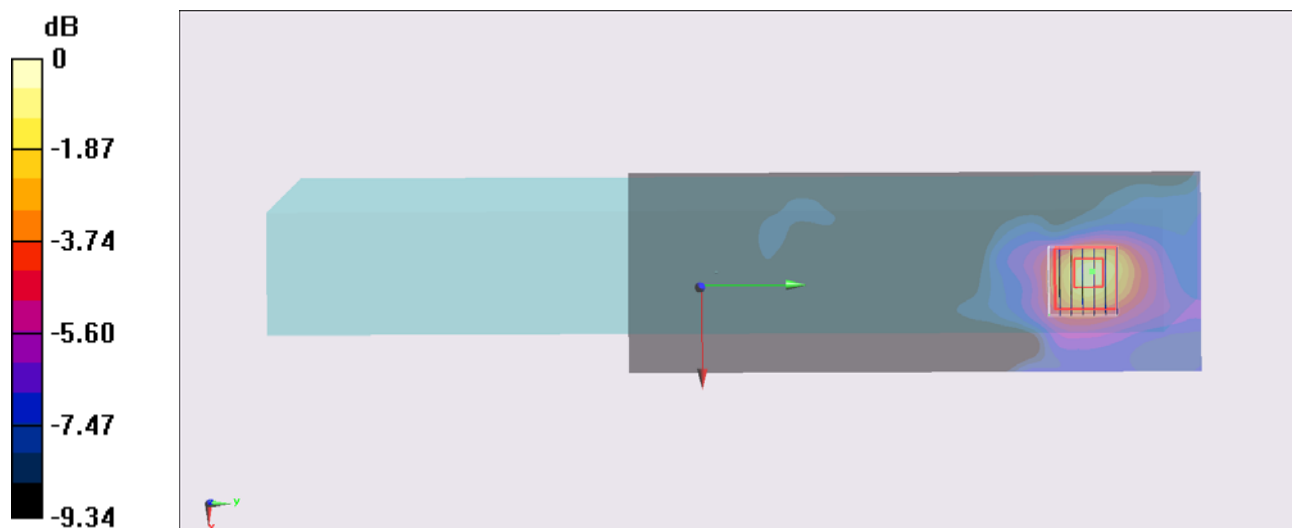
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.522 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.719 W/kg

**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg



## #61\_WLAN5G\_802.11a\_Edge 3\_0cm\_Ch165;Ant B

### DUT: 322001

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (81x201x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) =  $1.09$  W/kg

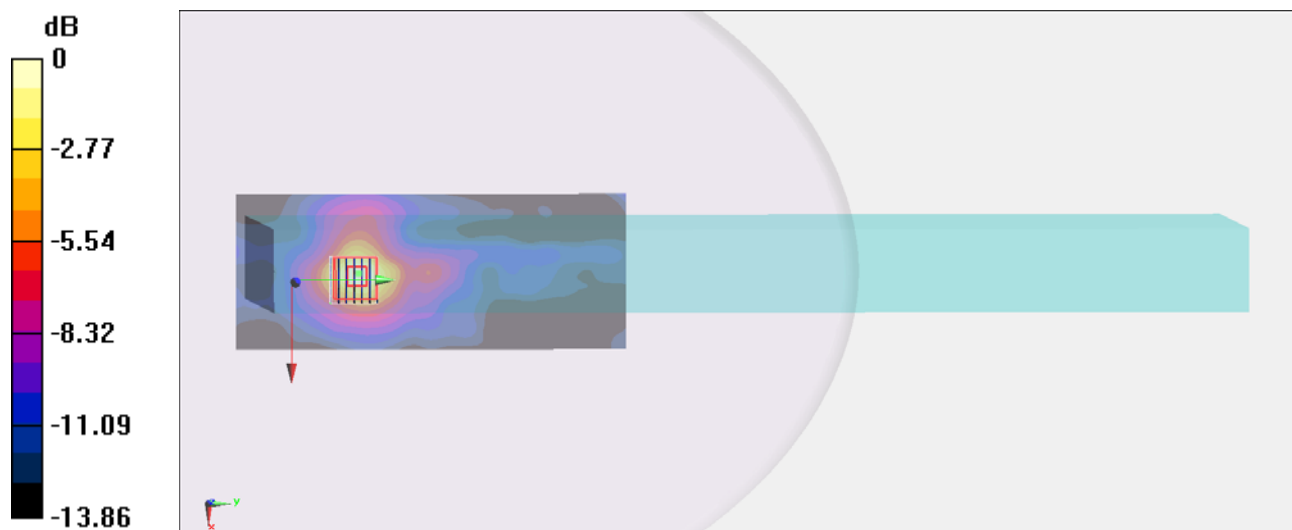
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value =  $14.814$  V/m; Power Drift =  $-0.11$  dB

Peak SAR (extrapolated) =  $1.82$  W/kg

**SAR(1 g) =  $0.485$  W/kg; SAR(10 g) =  $0.206$  W/kg**

Maximum value of SAR (measured) =  $1.03$  W/kg



0 dB =  $1.03$  W/kg =  $0.13$  dBW/kg

**#26\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch44;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_5G\_130304 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.281$  S/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch44/Area Scan (341x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.153 W/kg

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

Reference Value = 3.114 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.365 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.052 W/kg**

Maximum value of SAR (measured) = 0.104 W/kg

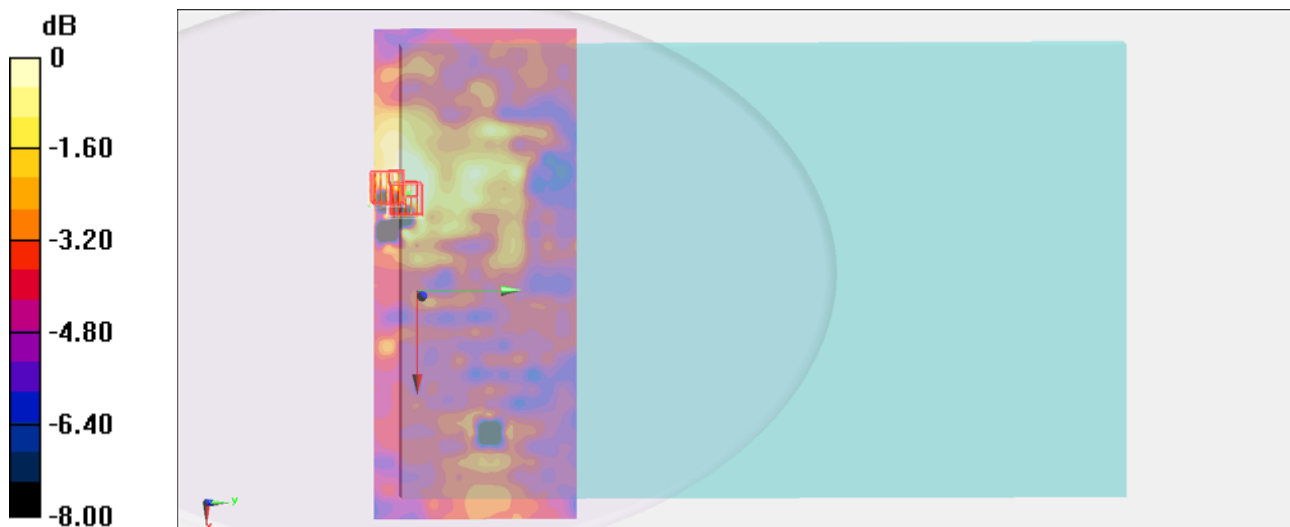
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.114 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.121 W/kg

**SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.0910 W/kg



0 dB = 0.0910 W/kg = -10.41 dBW/kg

**#27\_WLAN5G\_802.11n-HT20\_Edge 2\_0cm\_Ch44;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_5G\_130304 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.281$  S/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch44/Area Scan (71x341x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 0.530 W/kg

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

Reference Value = 10.449 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.786 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.486 W/kg

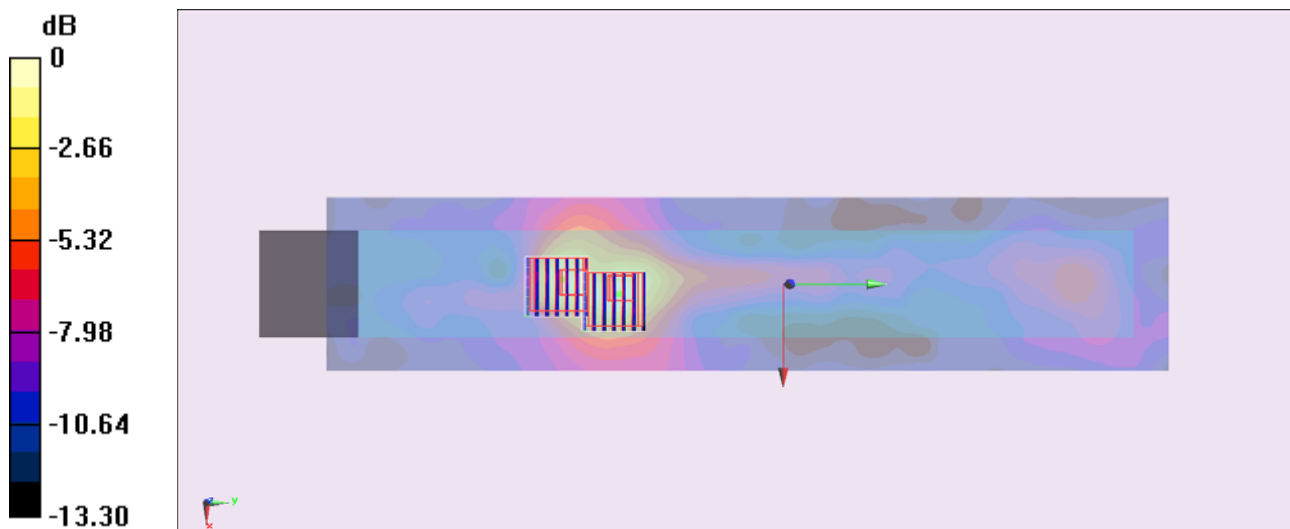
**Configuration/Ch44/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.449 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

## #28\_WLAN5G\_802.11n-HT20\_Edge 3\_0cm\_Ch44;Ant A+B

**DUT: 322001**

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

Medium: MSL\_5G\_130304 Medium parameters used :  $f = 5220$  MHz;  $\sigma = 5.281$  S/m;  $\epsilon_r = 47.487$ ;  $\rho =$

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

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch44/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.826 W/kg

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

Reference Value = 11.469 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.133 W/kg**

Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg = -1.06 dBW/kg

**#37\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch64;Ant A+B**

**DUT: 322001**

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

Medium: MSL\_5G\_130307 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.434$  mho/m;  $\epsilon_r = 47.231$ ;  $\rho =$

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

Ambient Temperature : 22.3°C; Liquid Temperature : 21.3°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 (341x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.128 mW/g

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

Reference Value = 5.340 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.253 mW/g

**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.131 mW/g

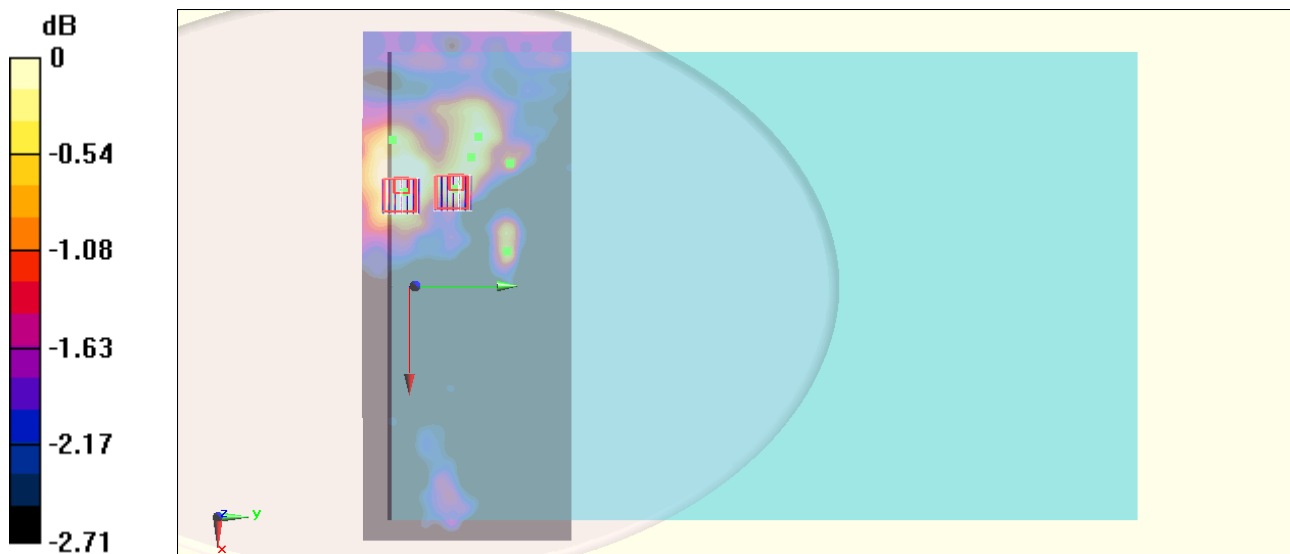
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.340 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.153 mW/g

**SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.072 mW/g**

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



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

### #38\_WLAN5G\_802.11n-HT20\_Edge 2\_0cm\_Ch64;Ant A+B

**DUT: 322001**

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

Medium: MSL\_5G\_130307 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.434$  mho/m;  $\epsilon_r = 47.231$ ;  $\rho =$

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

Ambient Temperature : 22.3°C; Liquid Temperature : 21.3°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 (71x341x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.703 mW/g

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

Reference Value = 4.883 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.031 mW/g

**SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 0.659 mW/g

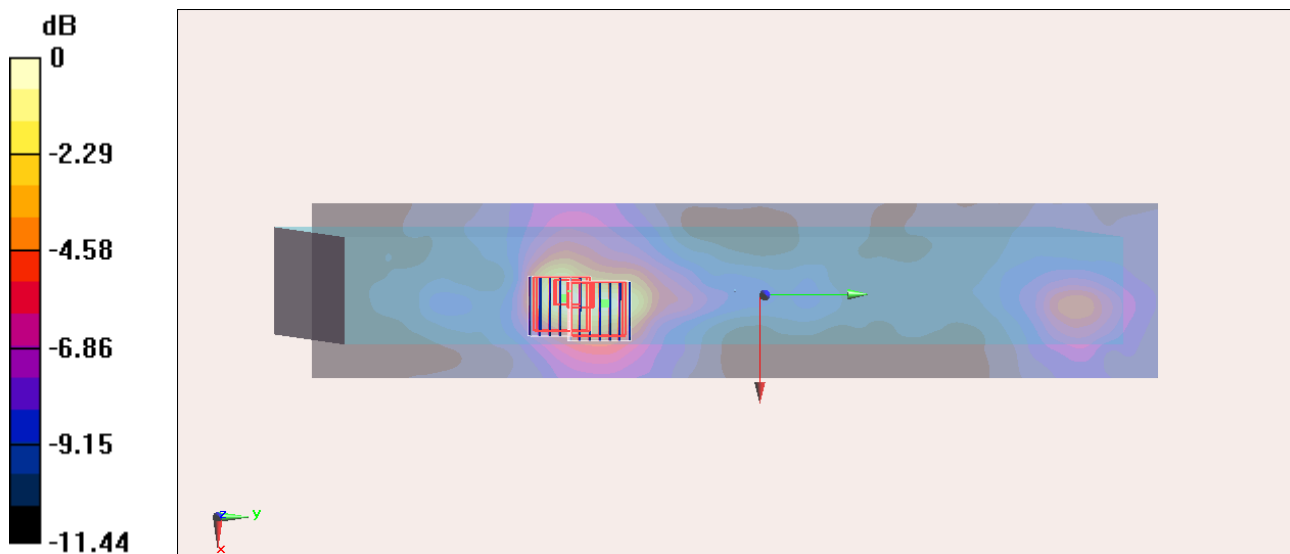
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.883 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.259 mW/g

**SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.163 mW/g**

Maximum value of SAR (measured) = 0.679 mW/g



0 dB = 0.679 mW/g = -3.36 dB mW/g

### #39\_WLAN5G\_802.11n-HT20\_Edge 3\_0cm\_Ch64;Ant A+B

**DUT: 322001**

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

Medium: MSL\_5G\_130307 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.434$  mho/m;  $\epsilon_r = 47.231$ ;  $\rho =$

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

Ambient Temperature : 22.3°C; Liquid Temperature : 21.3°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 (81x201x1):** Measurement grid: dx=10mm, dy=10mm

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

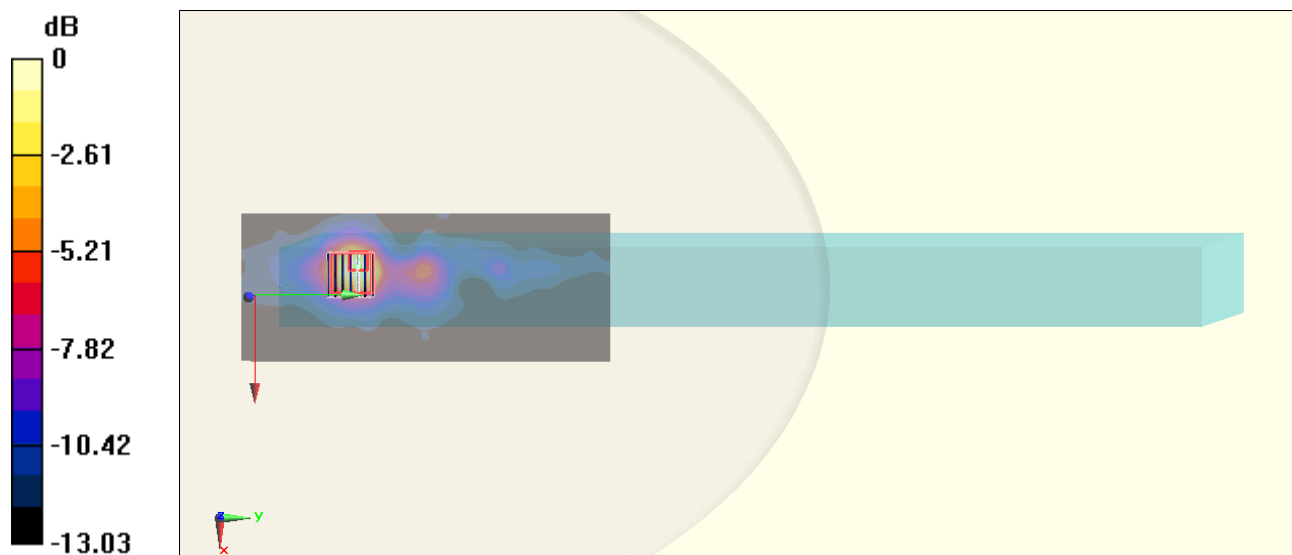
**Configuration/Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.608 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.680 mW/g

**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.186 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07 mW/g = 0.59 dB mW/g

### #50\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch100;Ant A+B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (341x141x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.203 W/kg

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

Reference Value = 6.529 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 0.374 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.204 W/kg

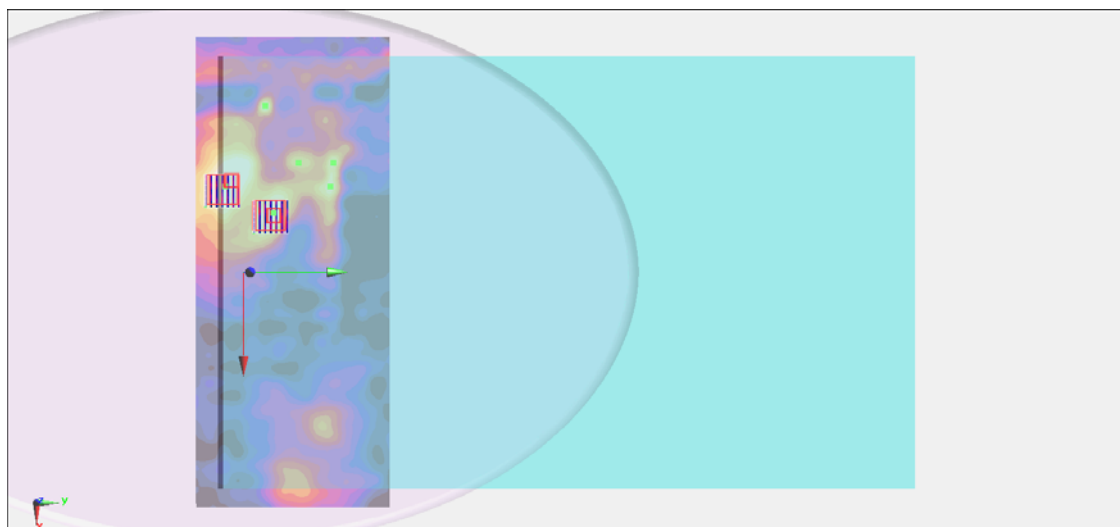
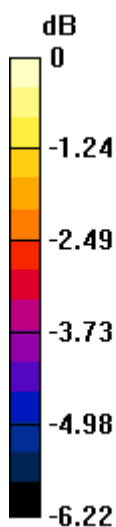
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.529 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg



### #51\_WLAN5G\_802.11n-HT20\_Edge 2\_0cm\_Ch100;Ant A+B

**DUT: 322001**

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (71x341x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.625 W/kg

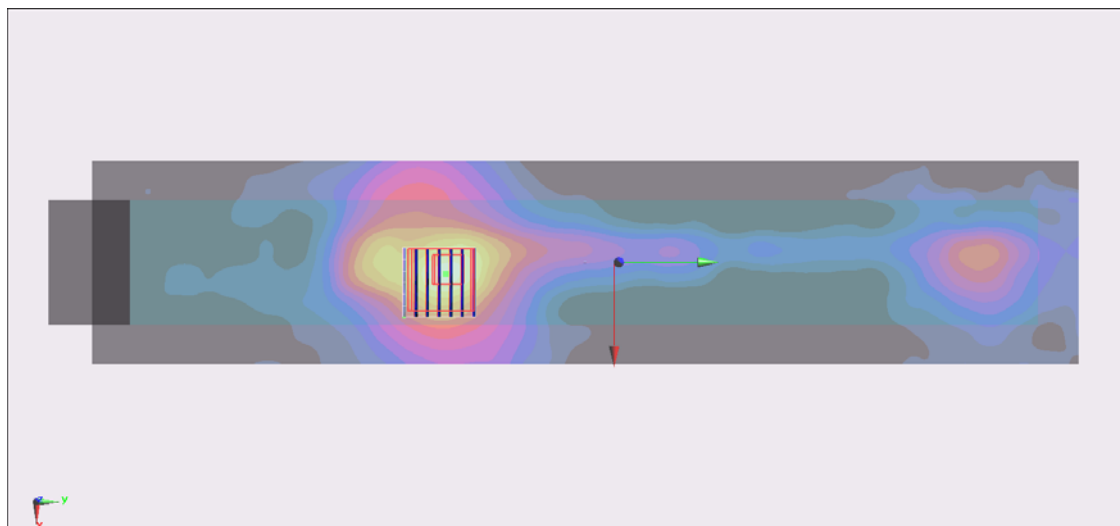
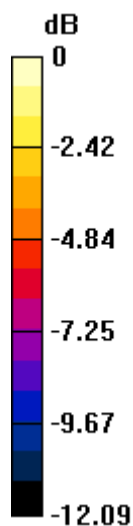
**Configuration/Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.876 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dBW/kg

### #52\_WLAN5G\_802.11n-HT20\_Edge 3\_0cm\_Ch100;Ant A+B

#### DUT: 322001

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

Medium: MSL\_5G\_130305 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.516$  S/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 - SN3697; ConvF(3.91, 3.91, 3.91); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch100/Area Scan (81x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.810 W/kg

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

Reference Value = 11.614 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.843 W/kg



0 dB = 0.843 W/kg = -0.74 dBW/kg

### #64\_WLAN5G\_802.11n-HT20\_Bottom Face\_0cm\_Ch165;Ant A+B

#### DUT: 322001

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (341x141x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) =  $0.238$  W/kg

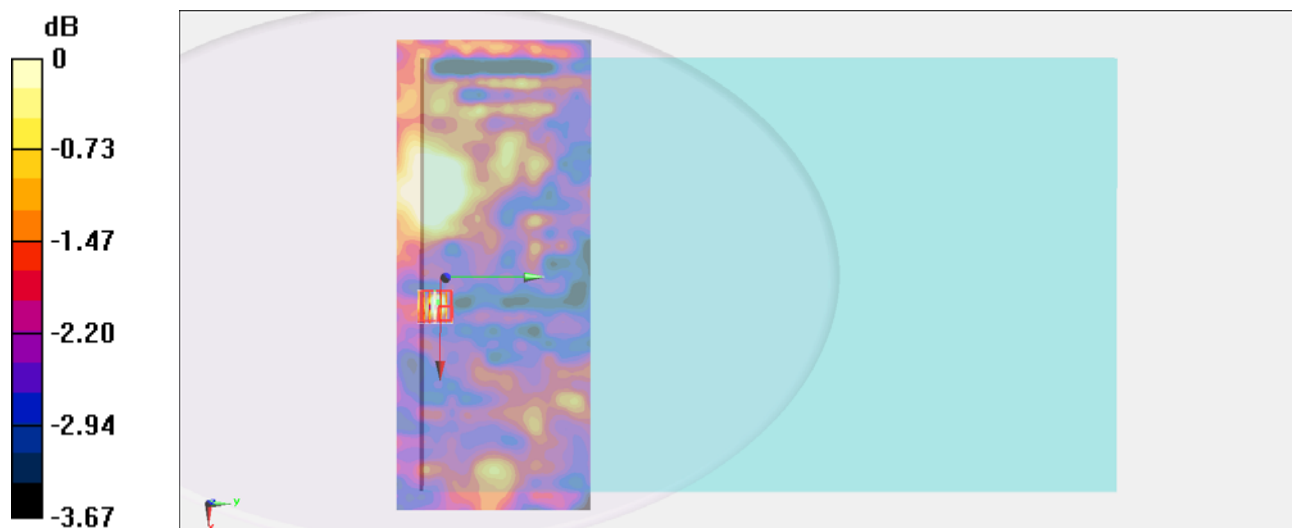
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value =  $2.820$  V/m; Power Drift =  $0.135$  dB

Peak SAR (extrapolated) =  $0.0890$  W/kg

**SAR(1 g) =  $0.076$  W/kg; SAR(10 g) =  $0.068$  W/kg**

Maximum value of SAR (measured) =  $0.0890$  W/kg



0 dB =  $0.0890$  W/kg =  $-10.51$  dBW/kg

### #65\_WLAN5G\_802.11n-HT20\_Edge 2\_0cm\_Ch165;Ant A+B

**DUT: 322001**

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825$  MHz;  $\sigma = 6.193$  S/m;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (71x341x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.438 W/kg

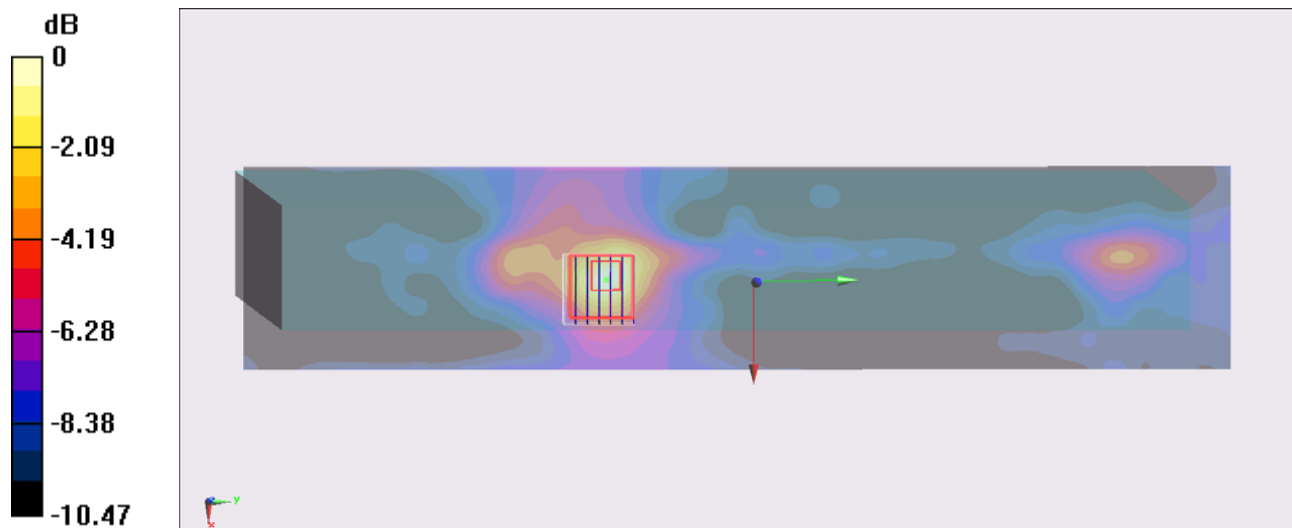
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.445 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

**#66\_WLAN5G\_802.11n-HT20\_Edge 3\_0cm\_Ch165;Ant A+B**

**DUT: 322001**

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_130306 Medium parameters used :  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.193 \text{ S/m}$ ;  $\epsilon_r = 46.405$ ;  $\rho =$

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Configuration/Ch165/Area Scan (81x201x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $0.590 \text{ W/kg}$

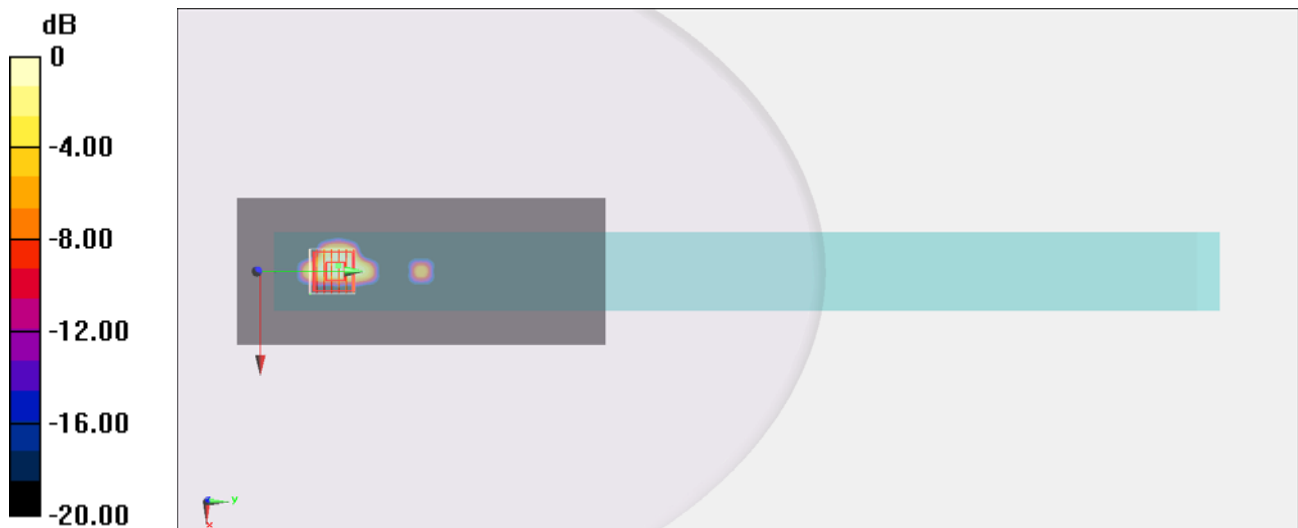
**Configuration/Ch165/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  
 $dz=1.4\text{mm}$

Reference Value =  $7.859 \text{ V/m}$ ; Power Drift =  $0.18 \text{ dB}$

Peak SAR (extrapolated) =  $0.802 \text{ W/kg}$

**SAR(1 g) =  $0.245 \text{ W/kg}$ ; SAR(10 g) =  $0.135 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.463 \text{ W/kg}$



0 dB =  $0.463 \text{ W/kg} = -3.34 \text{ dBW/kg}$