

### P01 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_0cm\_Ch1013\_w/ Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835\_0406 Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.983 \text{ mho/m}$ ;  $\epsilon_r = 55.443$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1013/Area Scan (121x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.476 mW/g

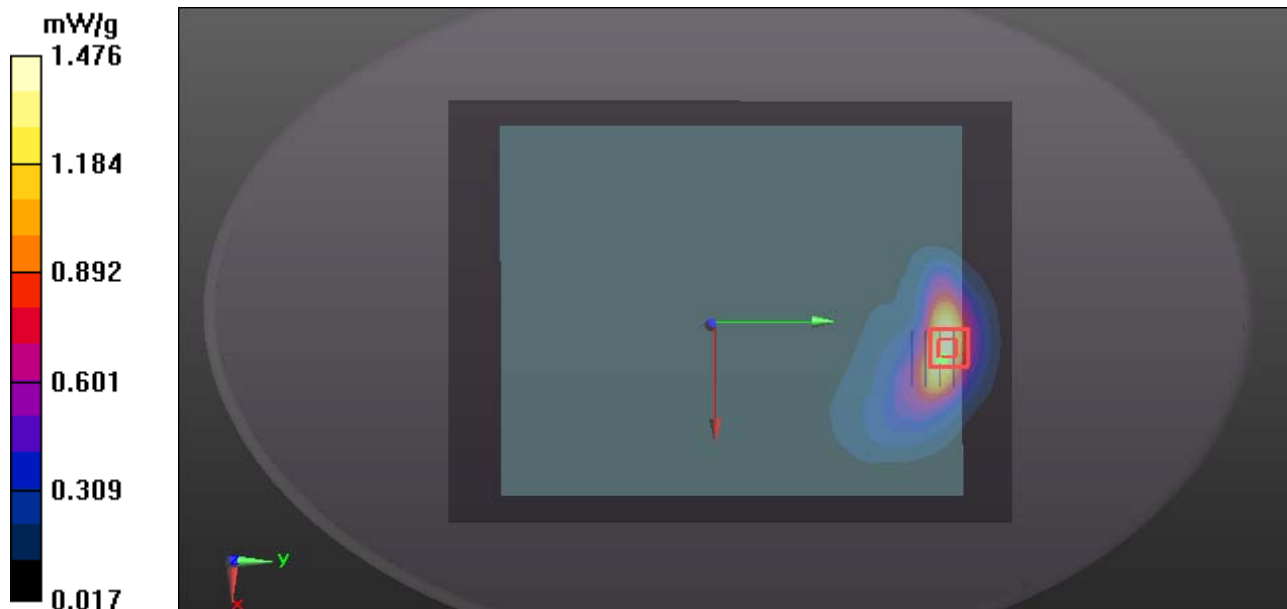
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.185 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.8860

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.661 mW/g**

Maximum value of SAR (measured) = 1.465 mW/g



### **P02 CDMA2000 BC0\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch1013 \_w/ Pw Reduction**

**DUT: 120309C18**

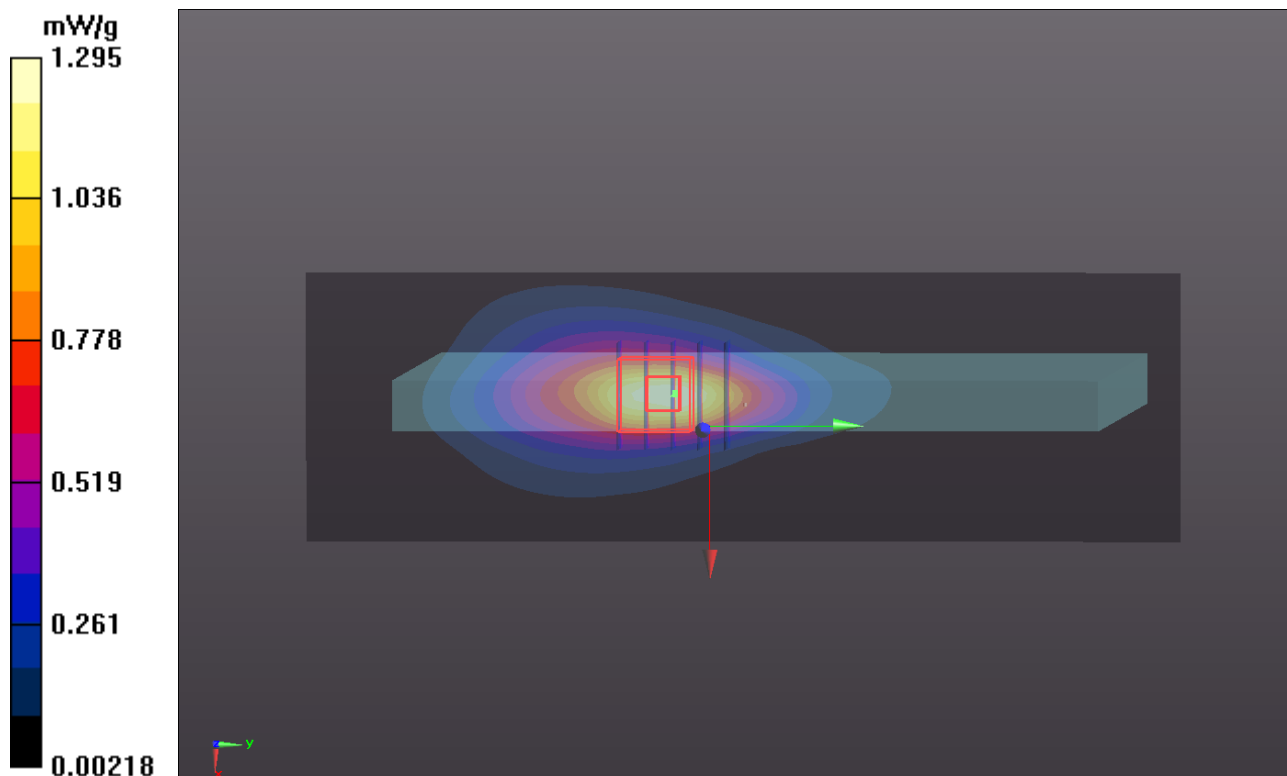
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: B835\_0406 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1013/Area Scan (41x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.295 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.210 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.7250  
**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.586 mW/g**  
Maximum value of SAR (measured) = 1.384 mW/g



### P33 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_0cm\_Ch384\_w/ Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: B835\_0406 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch384/Area Scan (101x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.617 mW/g

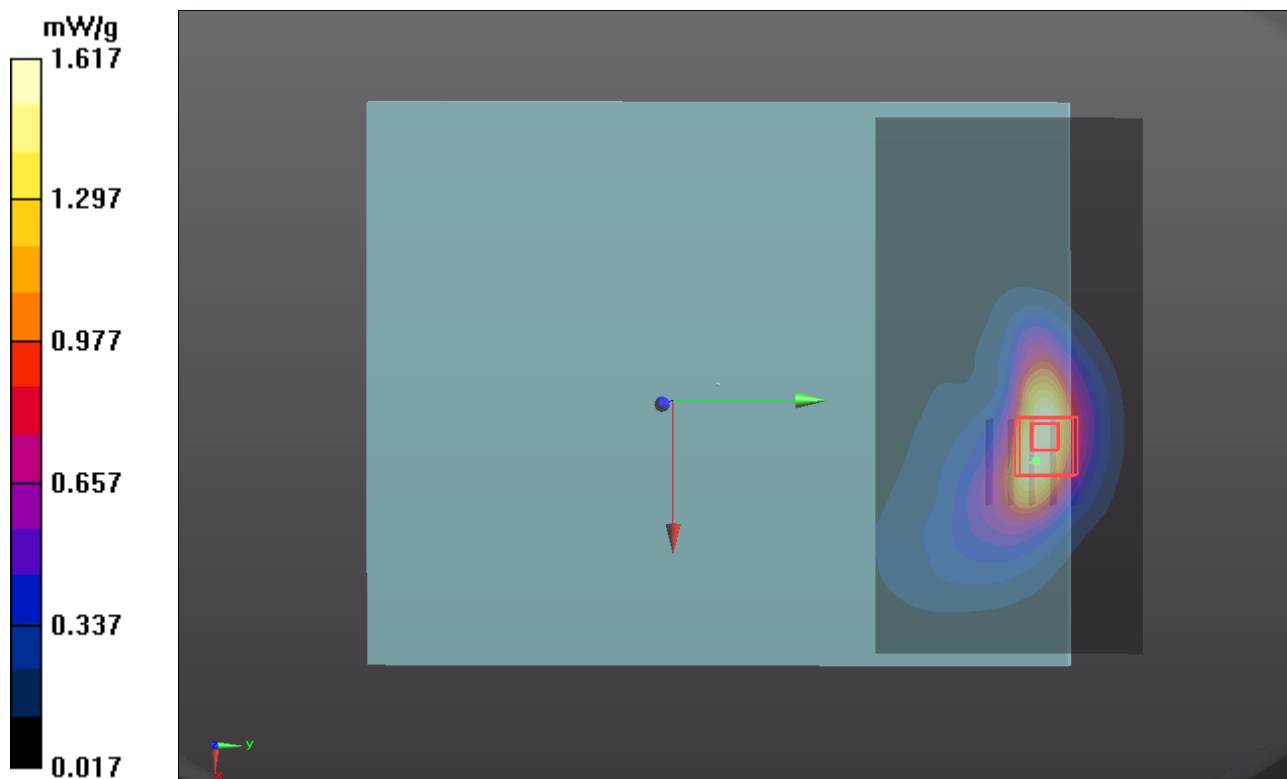
**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.394 V/m; Power Drift = -0.15 dB

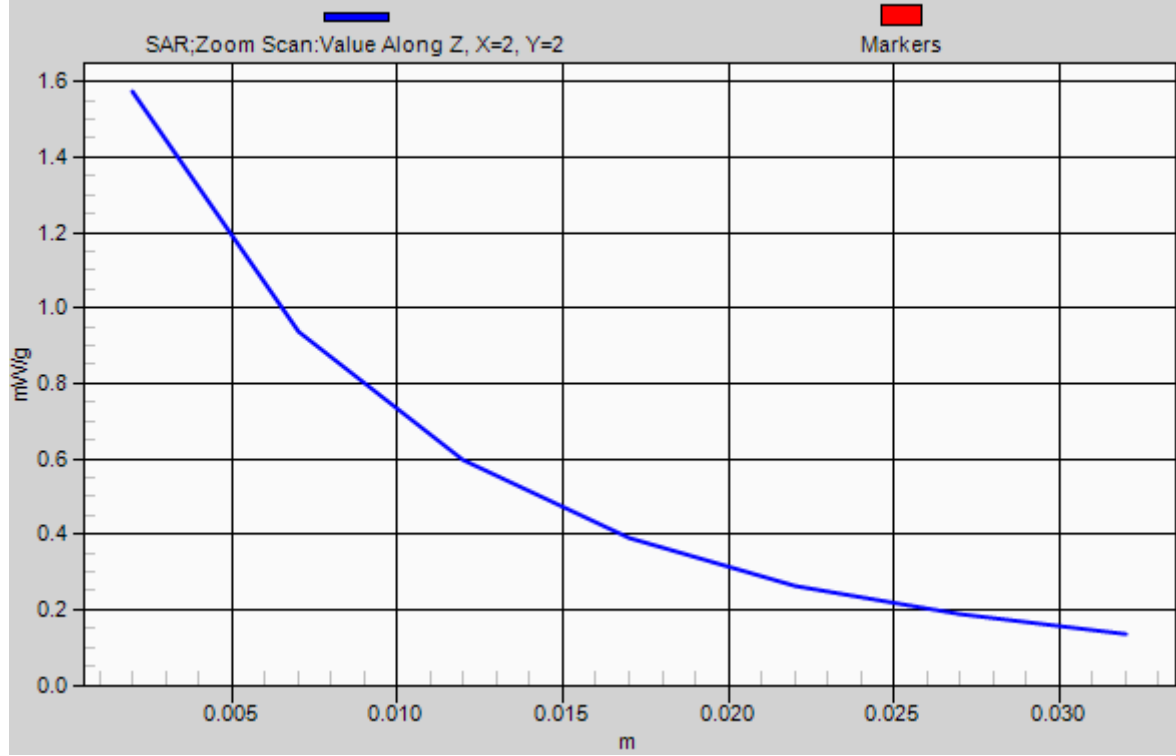
Peak SAR (extrapolated) = 2.0670

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.715 mW/g**

Maximum value of SAR (measured) = 1.573 mW/g



# 1g/10g Averaged SAR



### P34 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_0cm\_Ch777\_w/ Pw Reduction

**DUT: 120309C18**

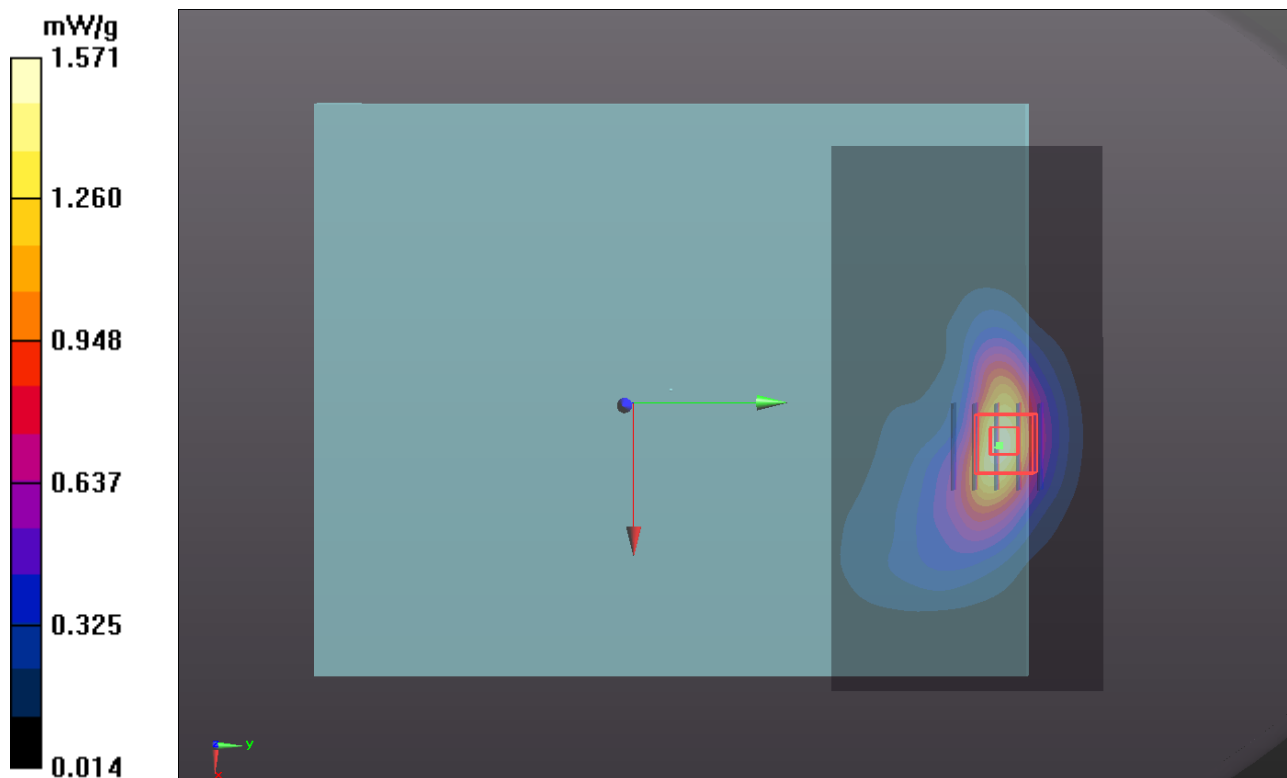
Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium: B835\_0406 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 1.014$  mho/m;  $\epsilon_r = 55.239$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch777/Area Scan (101x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.571 mW/g

**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.112 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.8950  
**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.654 mW/g**  
Maximum value of SAR (measured) = 1.521 mW/g



### P35 CDMA2000 BC0\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch384\_w/ Pw Reduction

**DUT: 120309C18**

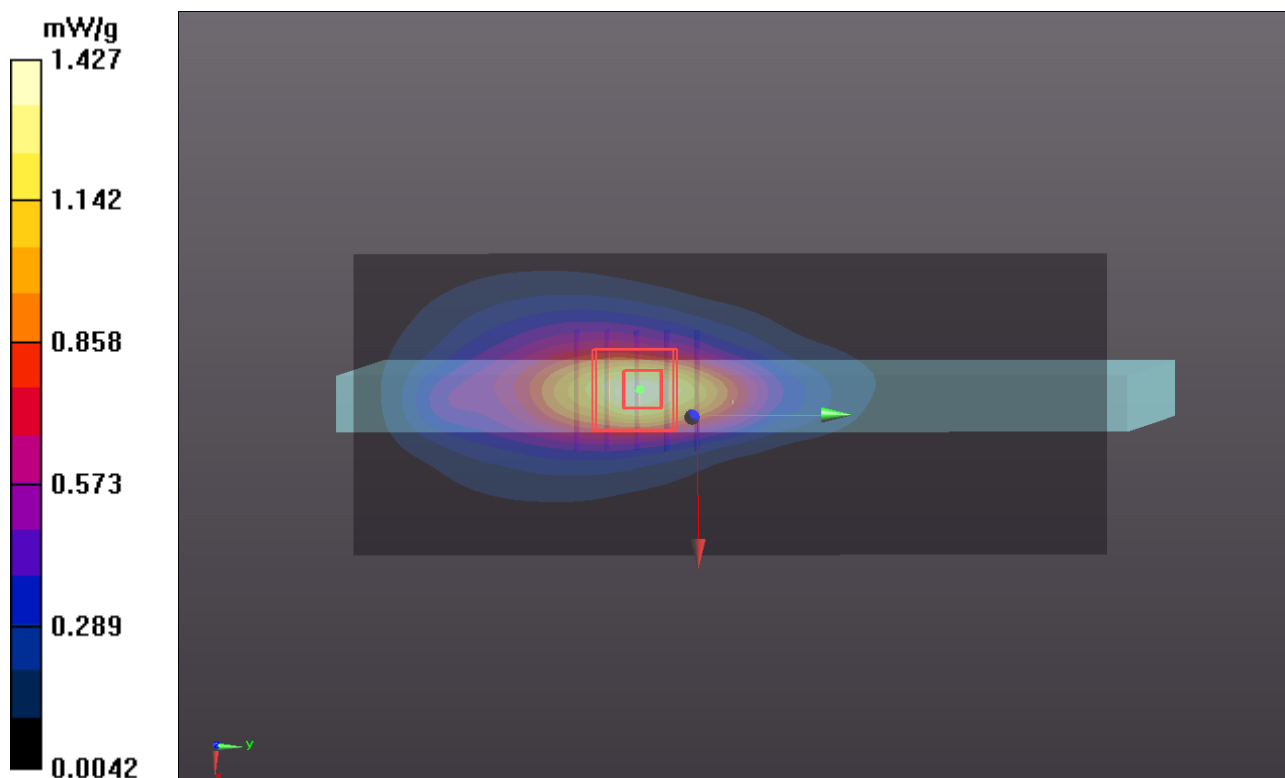
Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: B835\_0406 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 55.321$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch384/Area Scan (41x101x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.427 mW/g

**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.827 V/m; Power Drift = 0.0028 dB  
Peak SAR (extrapolated) = 1.8730  
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.632 mW/g**  
Maximum value of SAR (measured) = 1.508 mW/g



### P36 CDMA2000 BC0\_EVDO Rev.0\_Secondary Portrait\_0cm\_Ch777\_w/ Pw Reduction

**DUT: 120309C18**

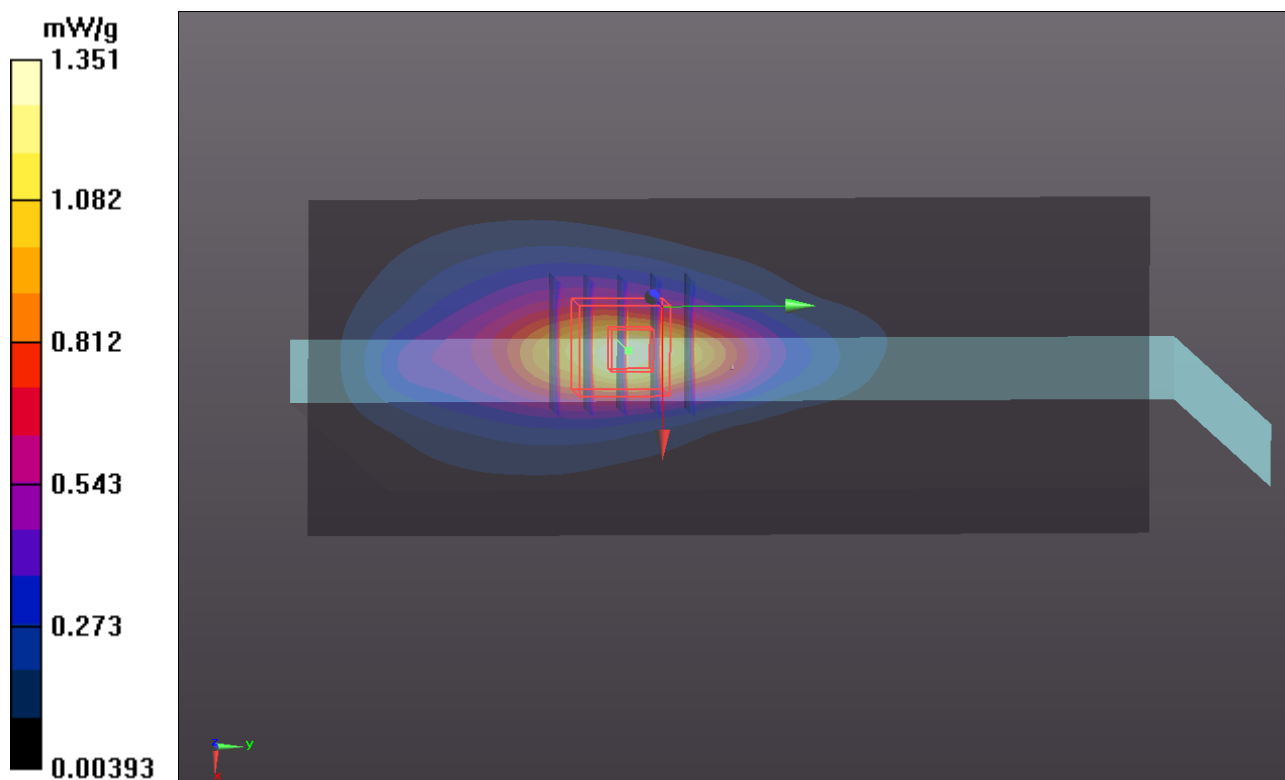
Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium: B835\_0406 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 1.014$  mho/m;  $\epsilon_r = 55.239$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch777/Area Scan (41x101x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.351 mW/g

**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 27.904 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 1.7760  
**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.595 mW/g**  
Maximum value of SAR (measured) = 1.432 mW/g



## P66 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_1.5cm\_Ch1013\_w/o Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B850\_0427 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.661$ ;  $\rho =$

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

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (121x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.581 mW/g

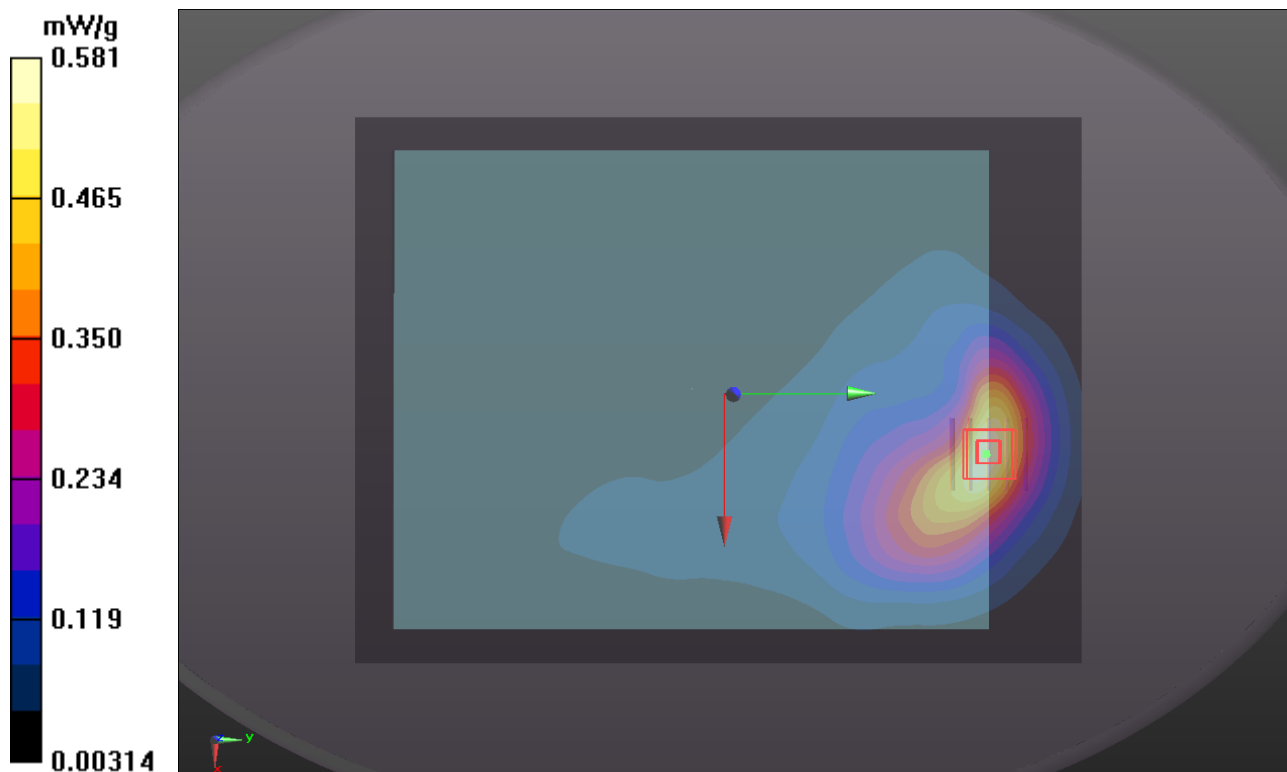
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.159 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.672 mW/g

**SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.325 mW/g**

Maximum value of SAR (measured) = 0.581 mW/g



### **P91 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_0cm\_Ch1013\_w/o Pw Reduction \_Top-Right Corner Angle 20**

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835\_0515 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.2 °C

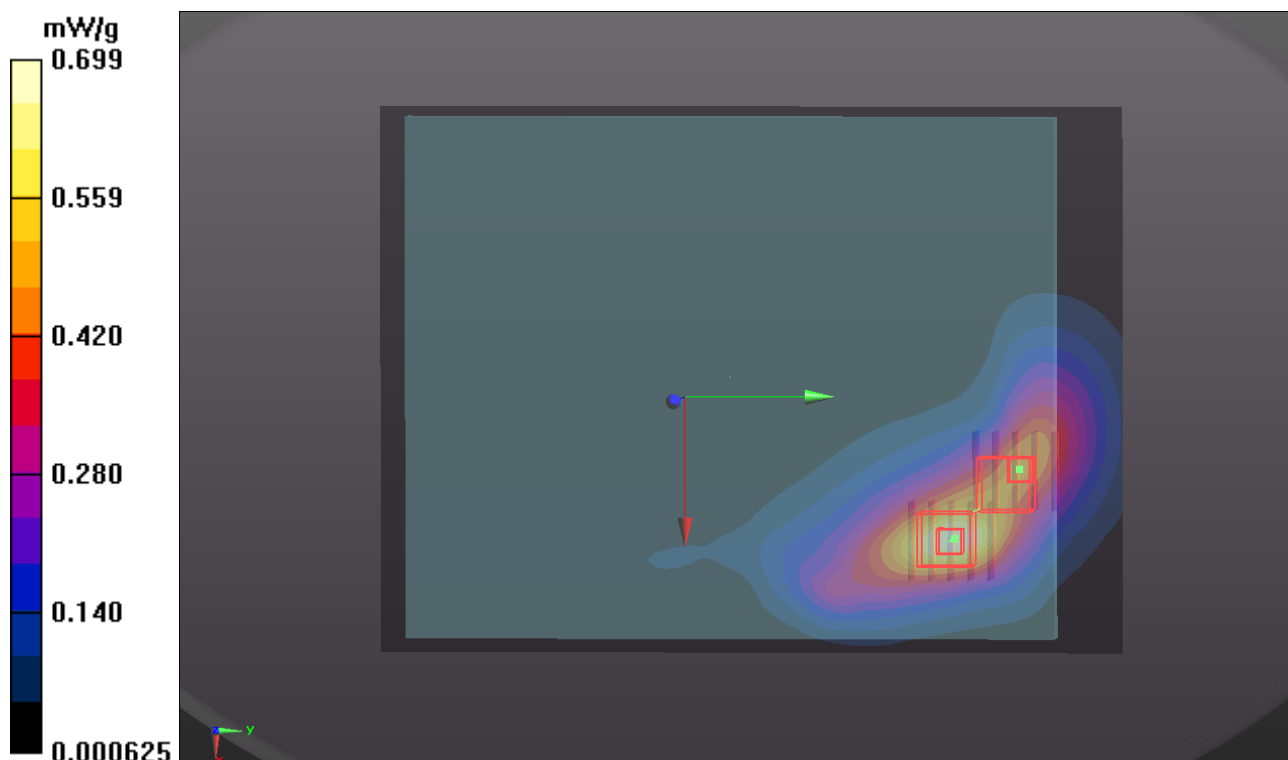
DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.68, 5.68, 5.68); Calibrated: 2011/06/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (111x151x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.699 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.874 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.804 mW/g  
**SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.390 mW/g**  
Maximum value of SAR (measured) = 0.656 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.874 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.616 mW/g  
**SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.290 mW/g**  
Maximum value of SAR (measured) = 0.511 mW/g



### P92 CDMA2000 BC0\_EVDO Rev.0\_Rear Face\_0cm\_Ch1013\_w/o Pw Reduction \_Top-Left Corner Angle 45

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835\_0515 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.717$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.2 °C

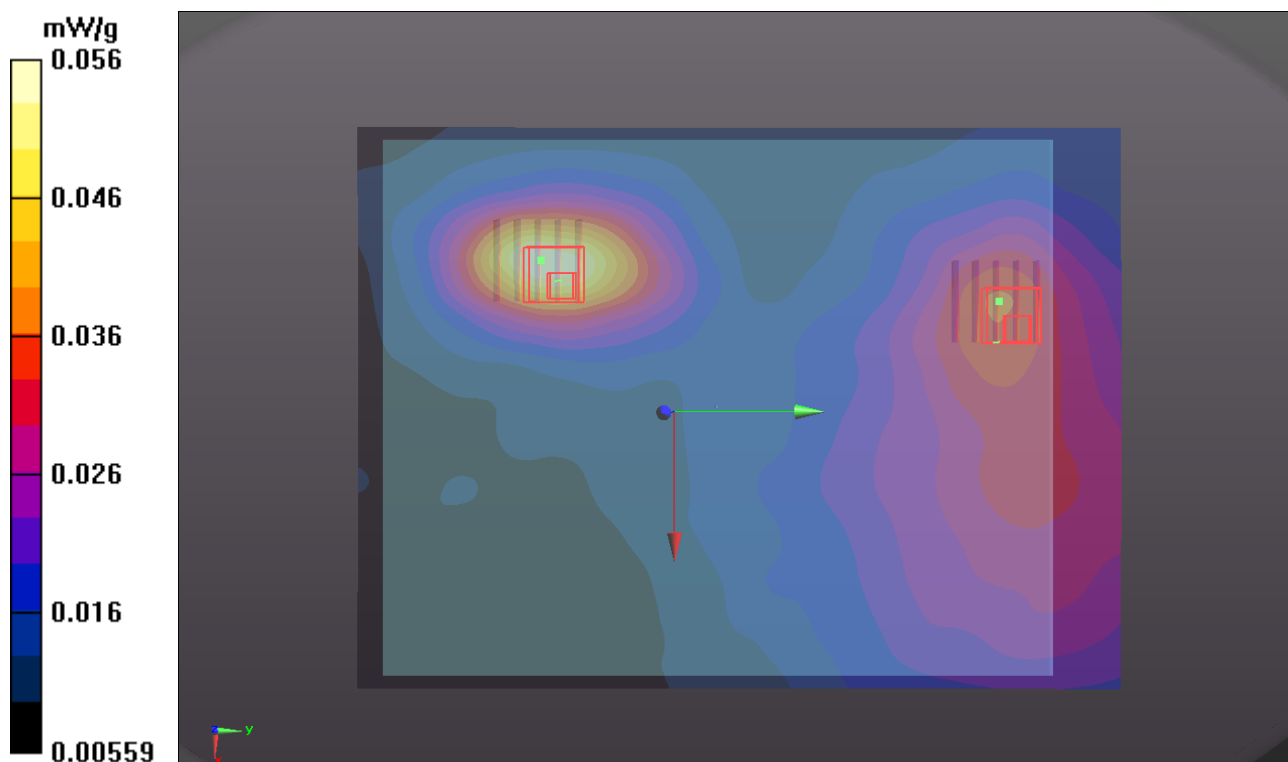
DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.68, 5.68, 5.68); Calibrated: 2011/06/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (111x151x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.0564 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.750 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.060 mW/g  
**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.034 mW/g**  
Maximum value of SAR (measured) = 0.0511 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.750 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.026 mW/g  
**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.016 mW/g**  
Maximum value of SAR (measured) = 0.0232 mW/g



### P67 CDMA2000 BC0\_EVDO Rev.0\_Secundary Portrait\_1.5cm\_Ch1013 \_w/o Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835\_0427 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.661$ ;  $\rho =$

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

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.711 mW/g

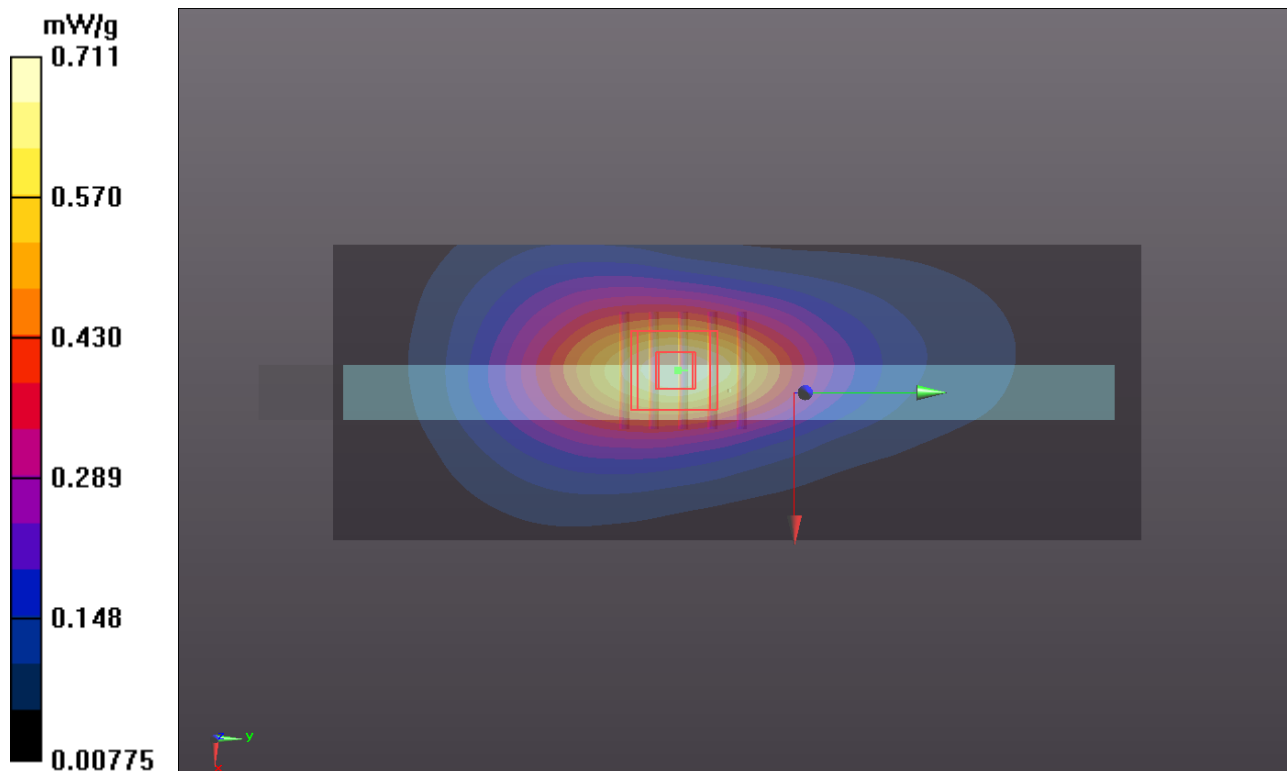
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.835 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.808 mW/g

**SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.389 mW/g**

Maximum value of SAR (measured) = 0.705 mW/g



### P68 CDMA2000 BC0\_EVDO Rev.0\_Secondary Portrait\_0cm\_Ch1013\_w/o Pw Reduction\_Top-Left Angle 55

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835\_0427 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.203 mW/g

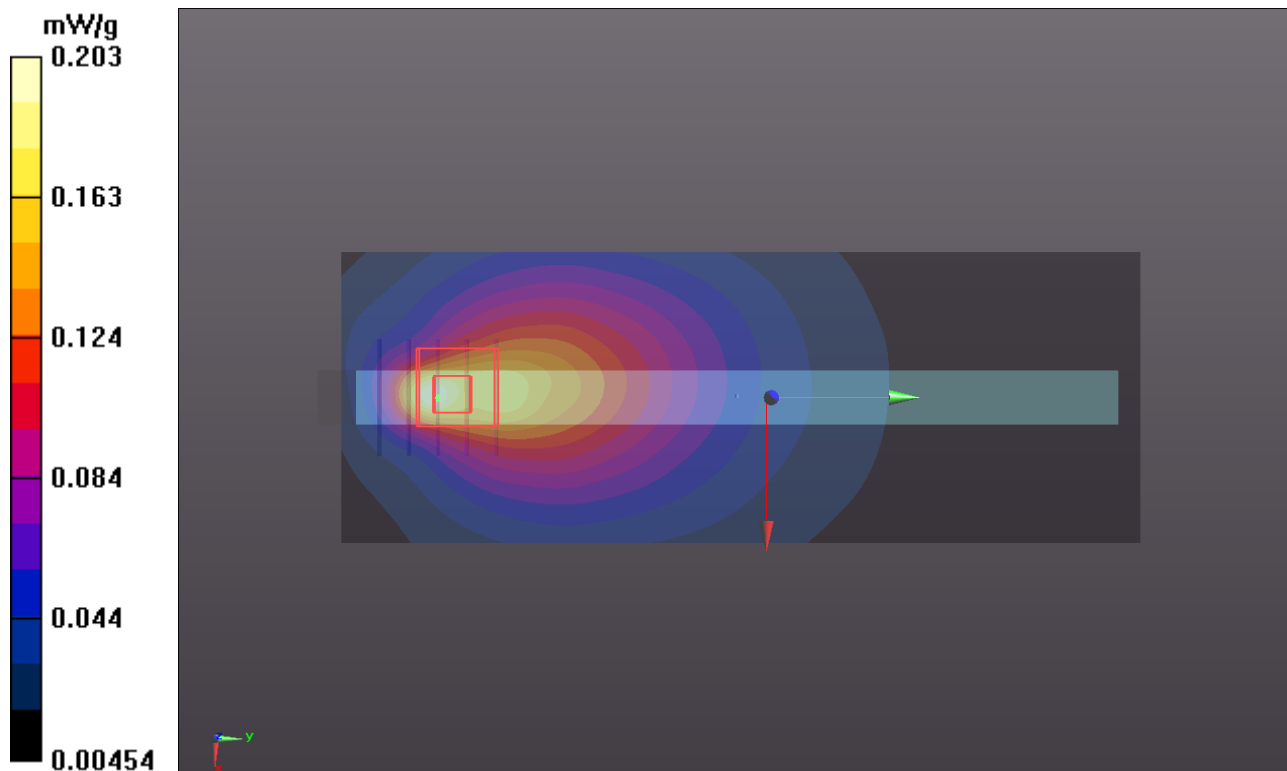
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.440 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.339 mW/g

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.256 mW/g



### P69 CDMA2000 BC0\_EVDO Rev.0\_Secondary Portrait\_0cm\_Ch1013\_w/o Pw Reduction\_Top-Right Angle 20

**DUT: 120309C18**

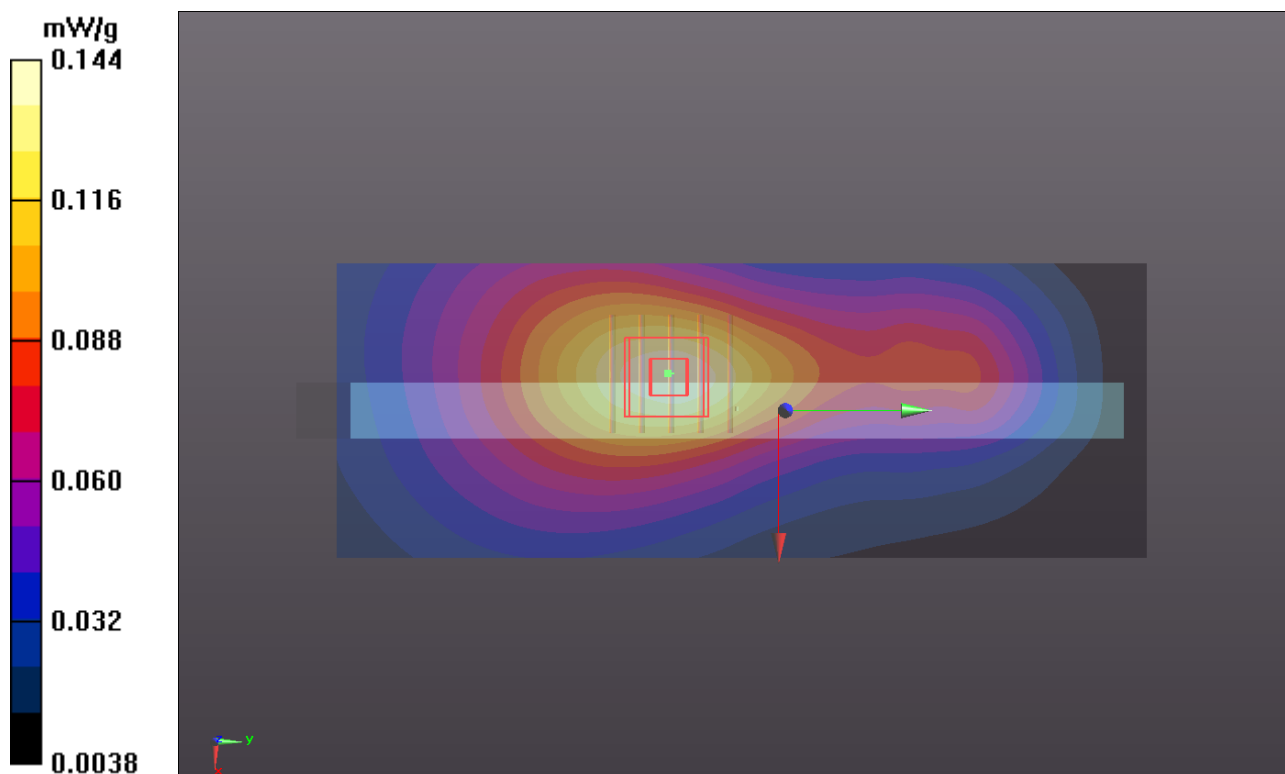
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: B835\_0427 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 55.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1013/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.144 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.820 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.159 mW/g  
**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.089 mW/g**  
Maximum value of SAR (measured) = 0.142 mW/g



### P05 CDMA2000 BC0\_EVDO Rev.0\_Secondary Landscape\_0cm\_Ch1013\_w/o Pw Reduction

**DUT: 120309C18**

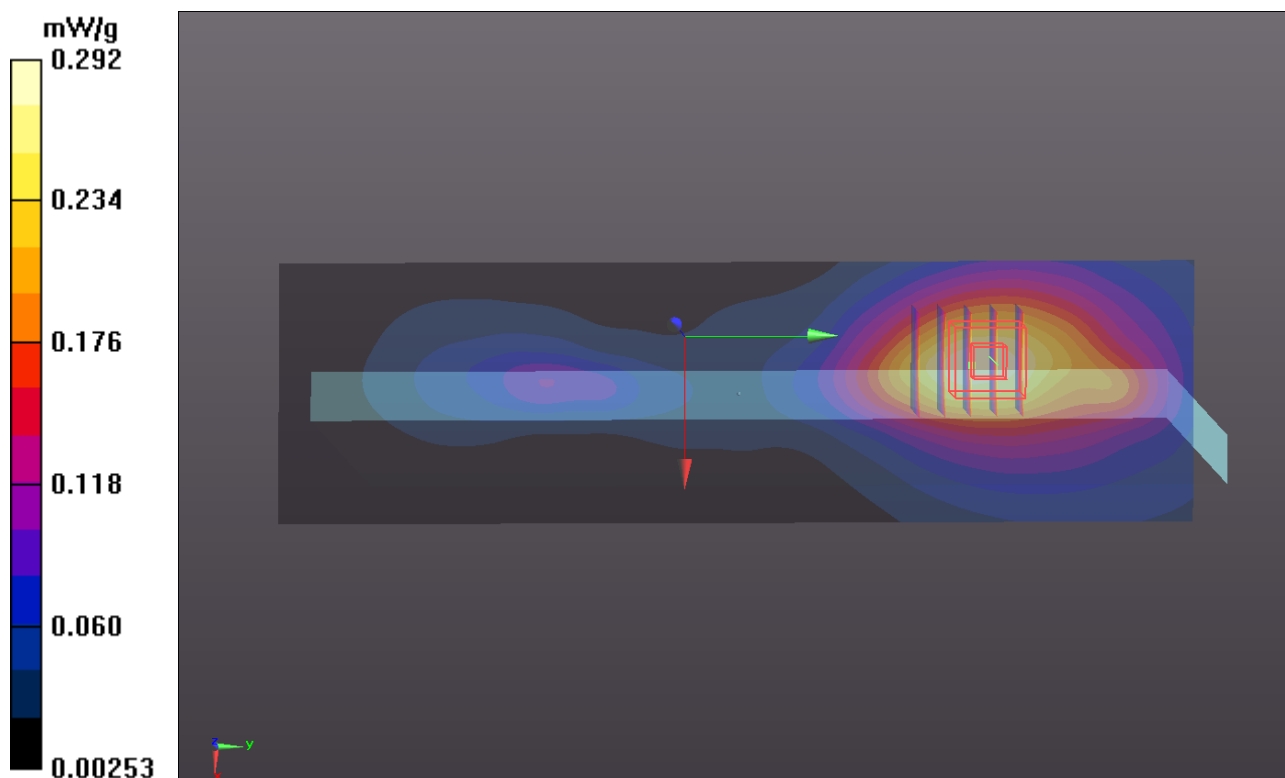
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: B835\_0406 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(8.94, 8.94, 8.94); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1013/Area Scan (41x141x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.292 mW/g

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.980 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.3400  
**SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.170 mW/g**  
Maximum value of SAR (measured) = 0.297 mW/g



## P80 CDMA2000 BC1\_EVDO Rev.0\_Rear Face \_0cm\_Ch1175\_w/ Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: B1900\_0430 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.565$  mho/m;  $\epsilon_r = 54.154$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (111x151x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.39 mW/g

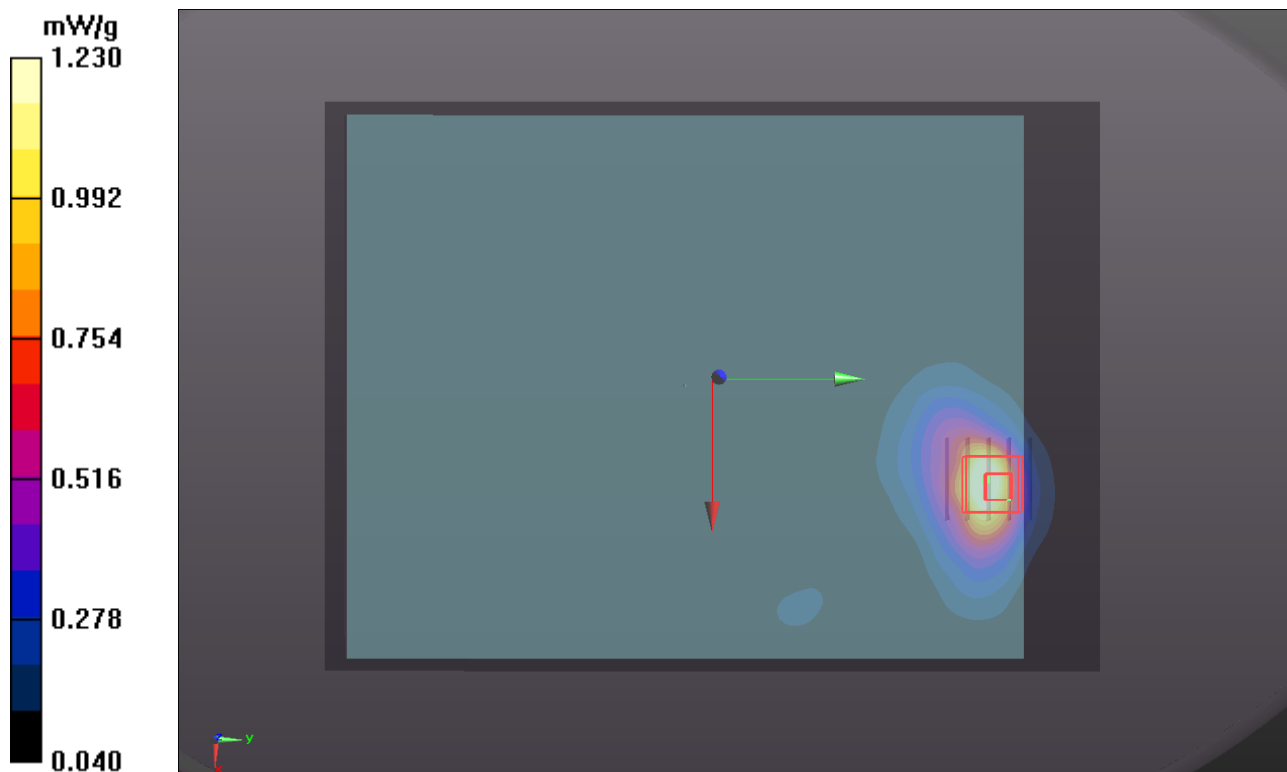
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.142 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.758 mW/g

**SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.504 mW/g**

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



### **P81 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch1175\_w/ Pw Reduction**

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: B1900\_0430 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.565$  mho/m;  $\epsilon_r = 54.154$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm

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

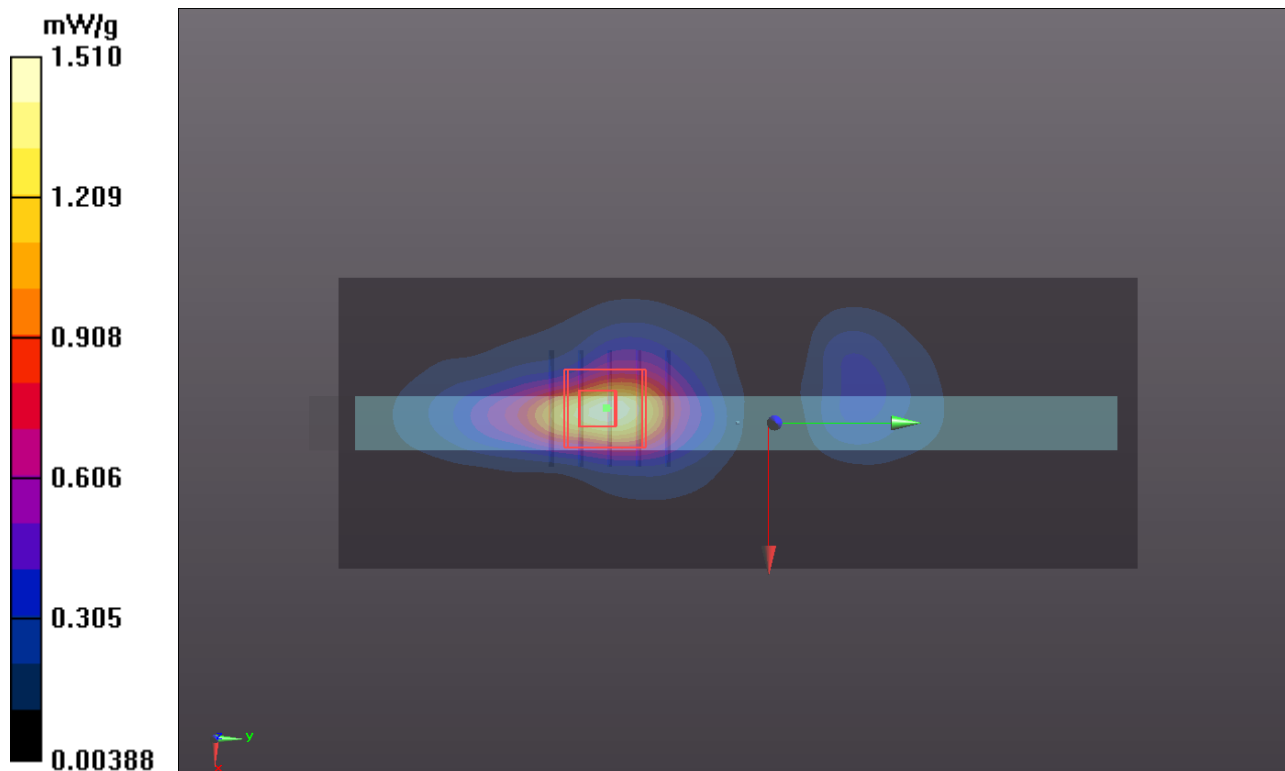
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

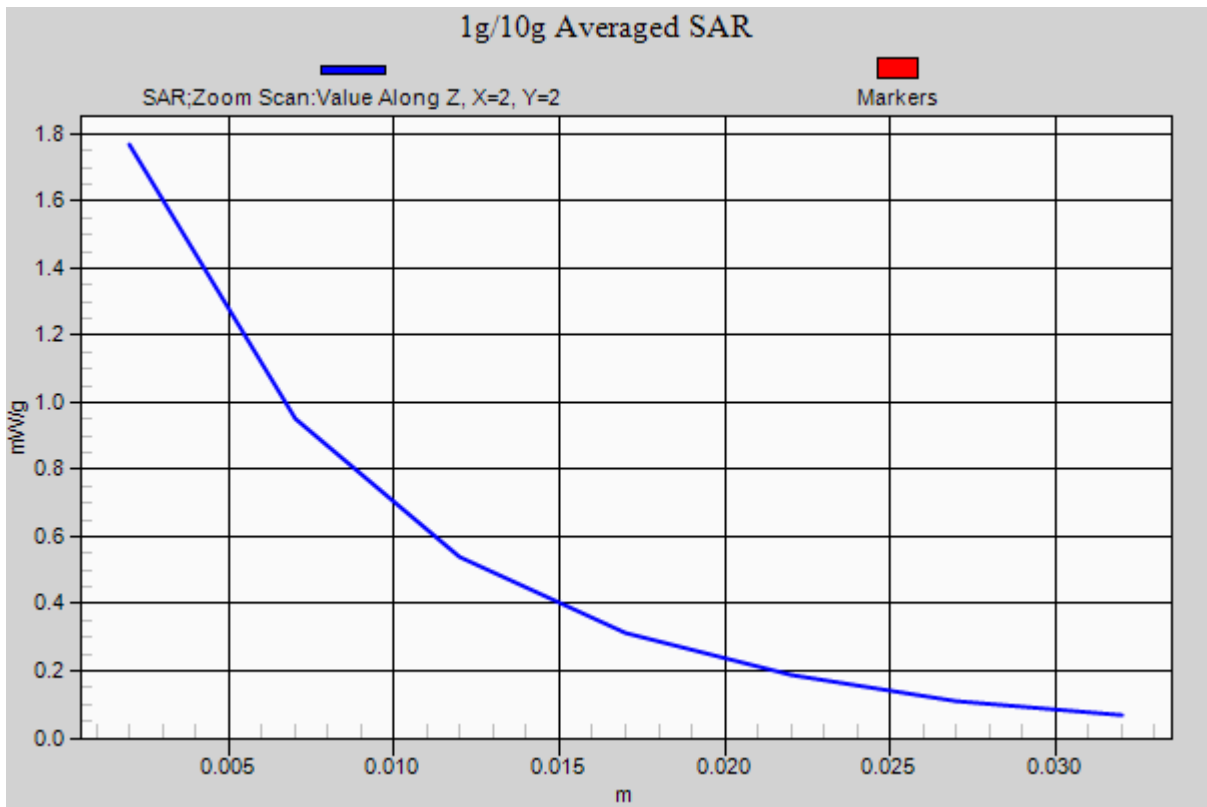
Reference Value = 9.268 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.311 mW/g

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.608 mW/g**

Maximum value of SAR (measured) = 1.77 mW/g





## P82 CDMA2000 BC1\_EVDO Rev.0\_Rear Face \_0cm\_Ch25\_w/ Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: B1900\_0430 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch25/Area Scan (111x41x1):** Measurement grid: dx=20mm, dy=20mm

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

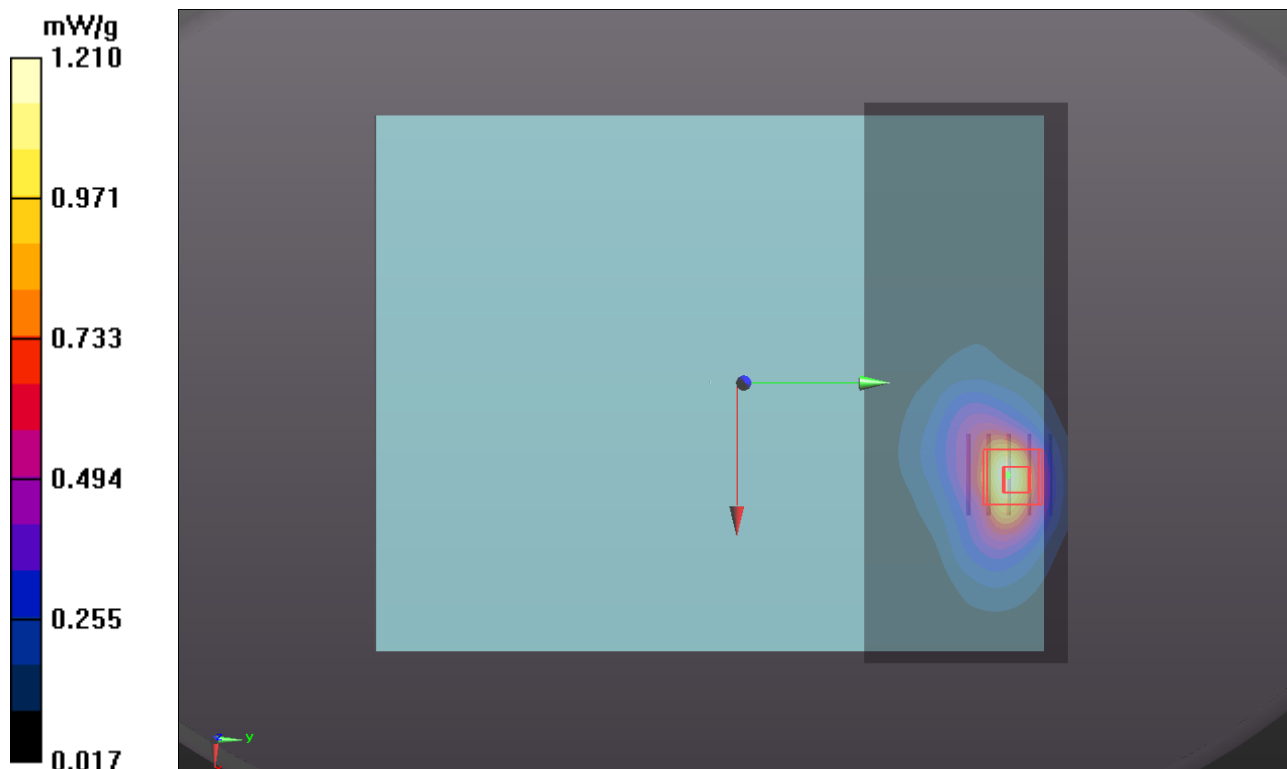
**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.605 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.524 mW/g

**SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.453 mW/g**

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



### P83 CDMA2000 BC1\_EVDO Rev.0\_Rear Face \_0cm\_Ch600\_w/ Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: B1900\_0430 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.533$  mho/m;  $\epsilon_r = 54.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch600/Area Scan (111x41x1):** Measurement grid: dx=20mm, dy=20mm

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

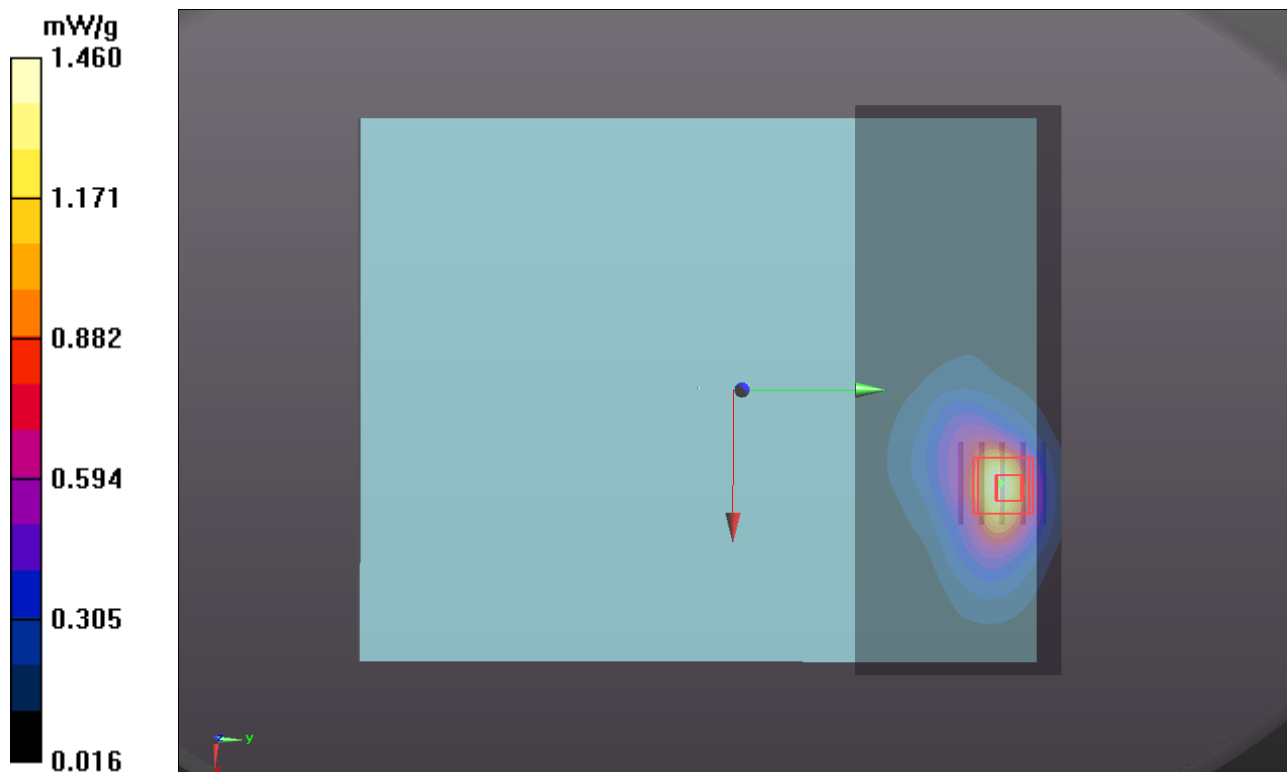
**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.979 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.851 mW/g

**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.537 mW/g**

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



### P84 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch25\_w/ Pw Reduction

**DUT: 120309C18**

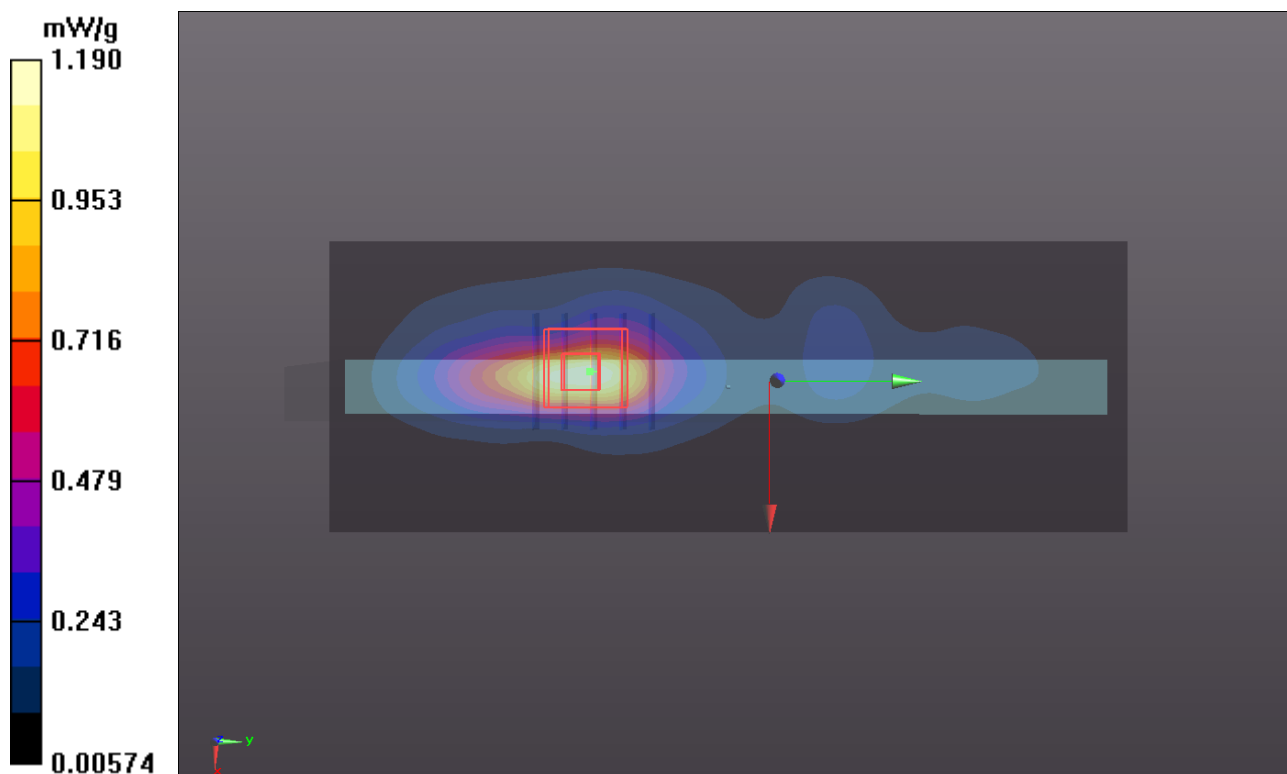
Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: B1900\_0430 Medium parameters used :  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.5 \text{ mho/m}$ ;  $\epsilon_r = 54.419$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $21.9 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $20.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch25/Area Scan (41x111x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$   
Maximum value of SAR (interpolated) =  $1.19 \text{ mW/g}$

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $9.595 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$   
Peak SAR (extrapolated) =  $1.866 \text{ mW/g}$   
**SAR(1 g) =  $1 \text{ mW/g}$ ; SAR(10 g) =  $0.502 \text{ mW/g}$**   
Maximum value of SAR (measured) =  $1.45 \text{ mW/g}$



### P85 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch600\_w/ Pw Reduction

**DUT: 120309C18**

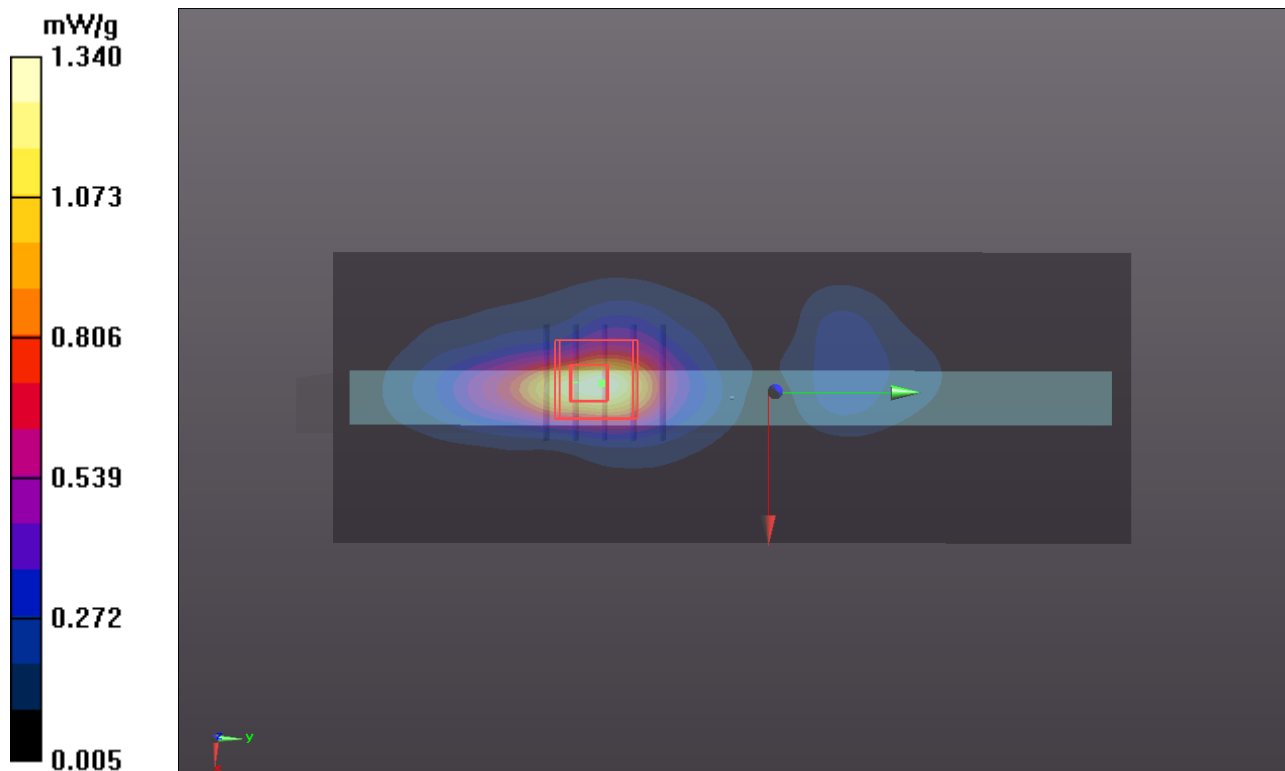
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: B1900\_0430 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.533$  mho/m;  $\epsilon_r = 54.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch600/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.34 mW/g

**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.818 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 2.070 mW/g  
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.542 mW/g**  
Maximum value of SAR (measured) = 1.59 mW/g



## P70 CDMA2000 BC1\_EVDO Rev.0\_Rear Face \_1.5cm\_Ch1175\_w/o Pw Reduction

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: B1900\_0427 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (121x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.664 mW/g

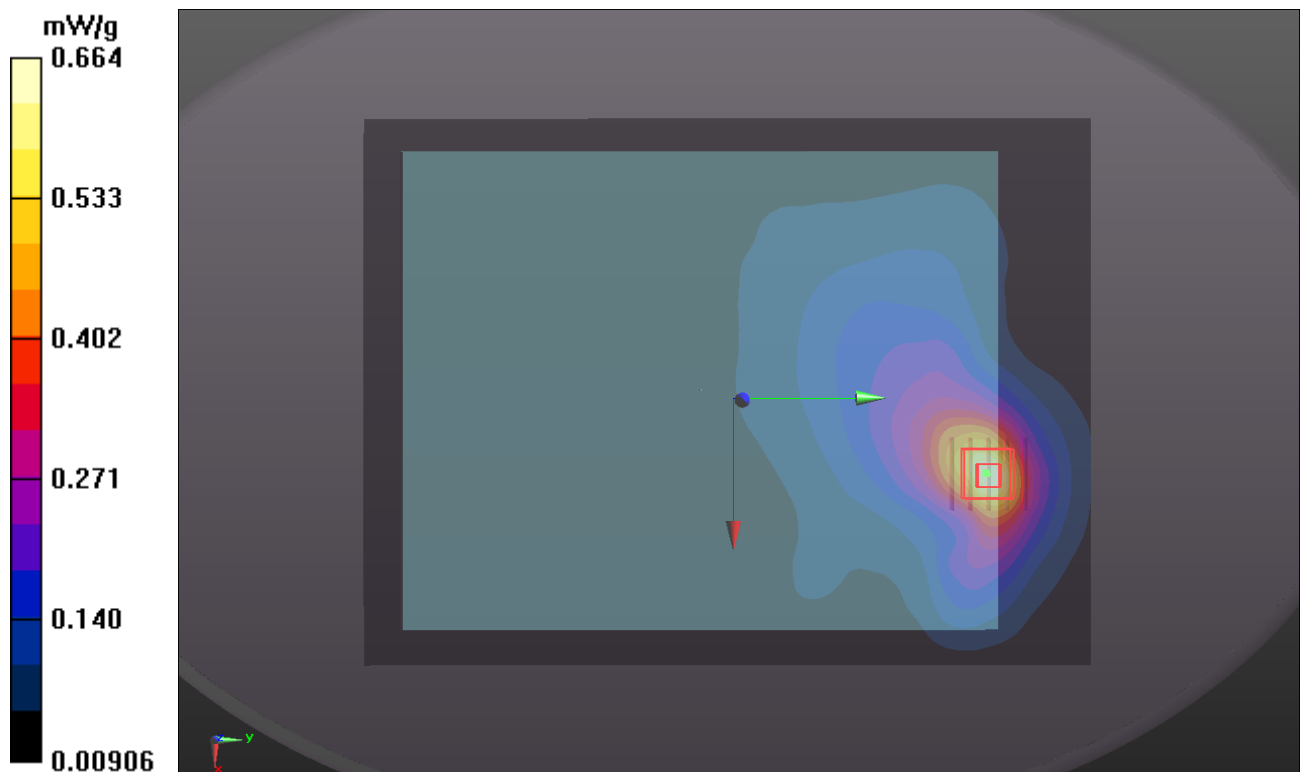
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.980 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.795 mW/g

**SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.299 mW/g**

Maximum value of SAR (measured) = 0.647 mW/g



### P93 CDMA2000 BC1\_EVDO Rev.0\_Rear Face\_0cm\_Ch1175\_w/o Pw Reduction\_Top-Left Angle 45

**DUT: 120309C18**

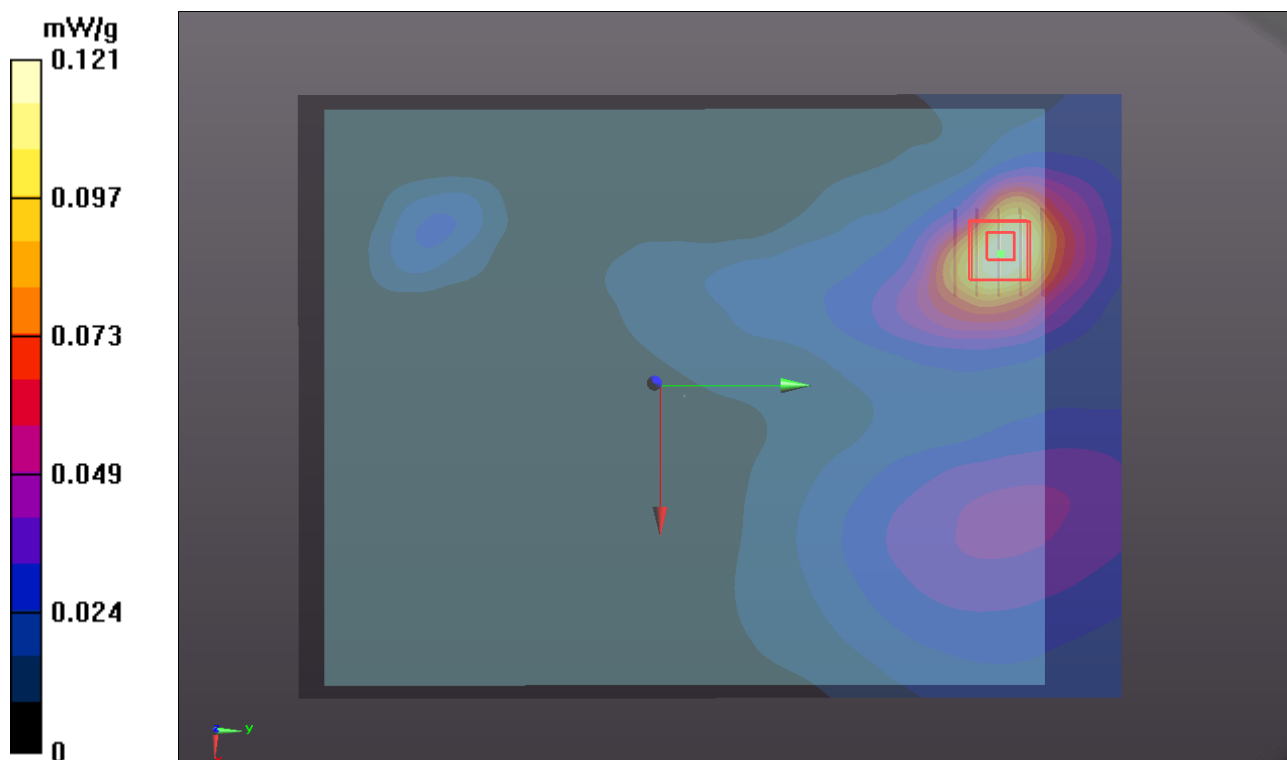
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0516 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.464$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 21 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.32, 4.32, 4.32); Calibrated: 2011/06/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (111x151x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.121 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.327 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 0.171 mW/g  
**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.069 mW/g**  
Maximum value of SAR (measured) = 0.129 mW/g



### P94 CDMA2000 BC1\_EVDO Rev.0\_Rear Face\_0cm\_Ch1175\_w/o Pw Reduction \_Top-Right Angle 20

**DUT: 120309C18**

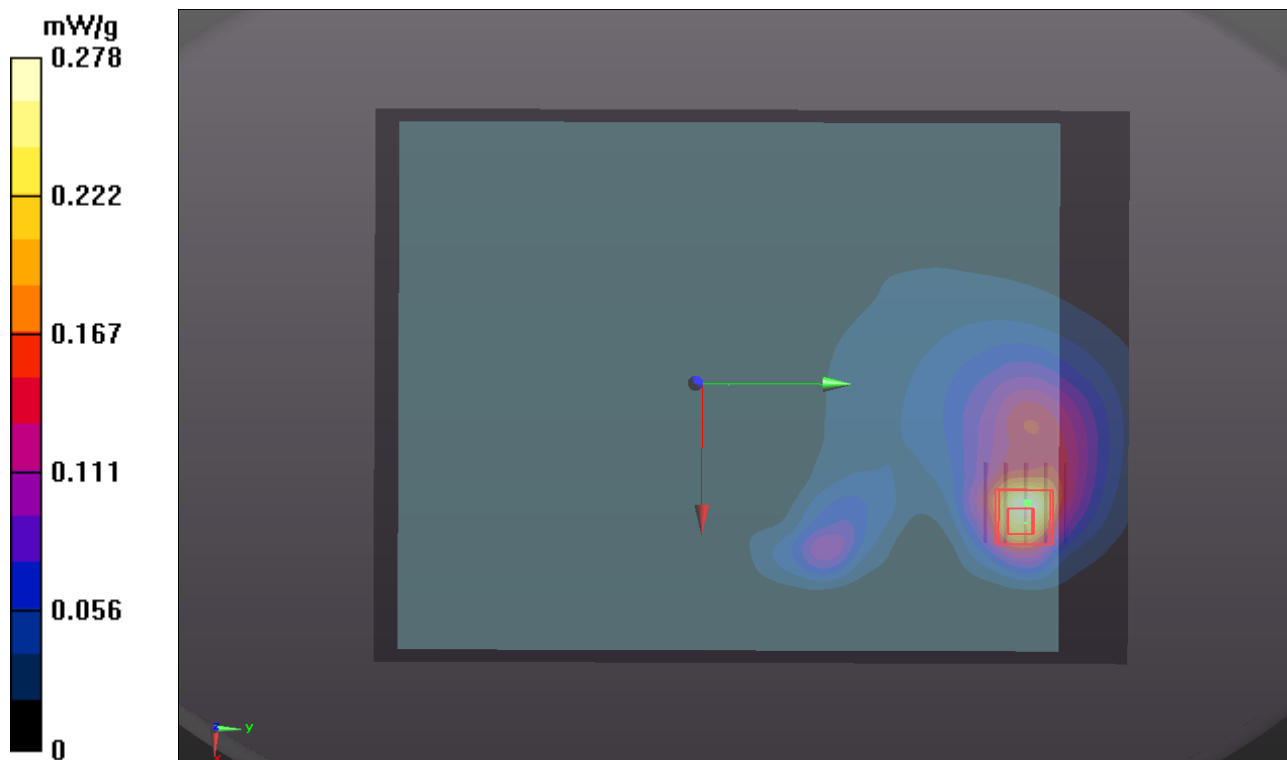
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0516 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.464$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 21 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.32, 4.32, 4.32); Calibrated: 2011/06/22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (111x151x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.278 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.112 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 0.374 mW/g  
**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.124 mW/g**  
Maximum value of SAR (measured) = 0.269 mW/g



### P71 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_1.5cm\_Ch1175\_w/o Pw Reduction

**DUT: 120309C18**

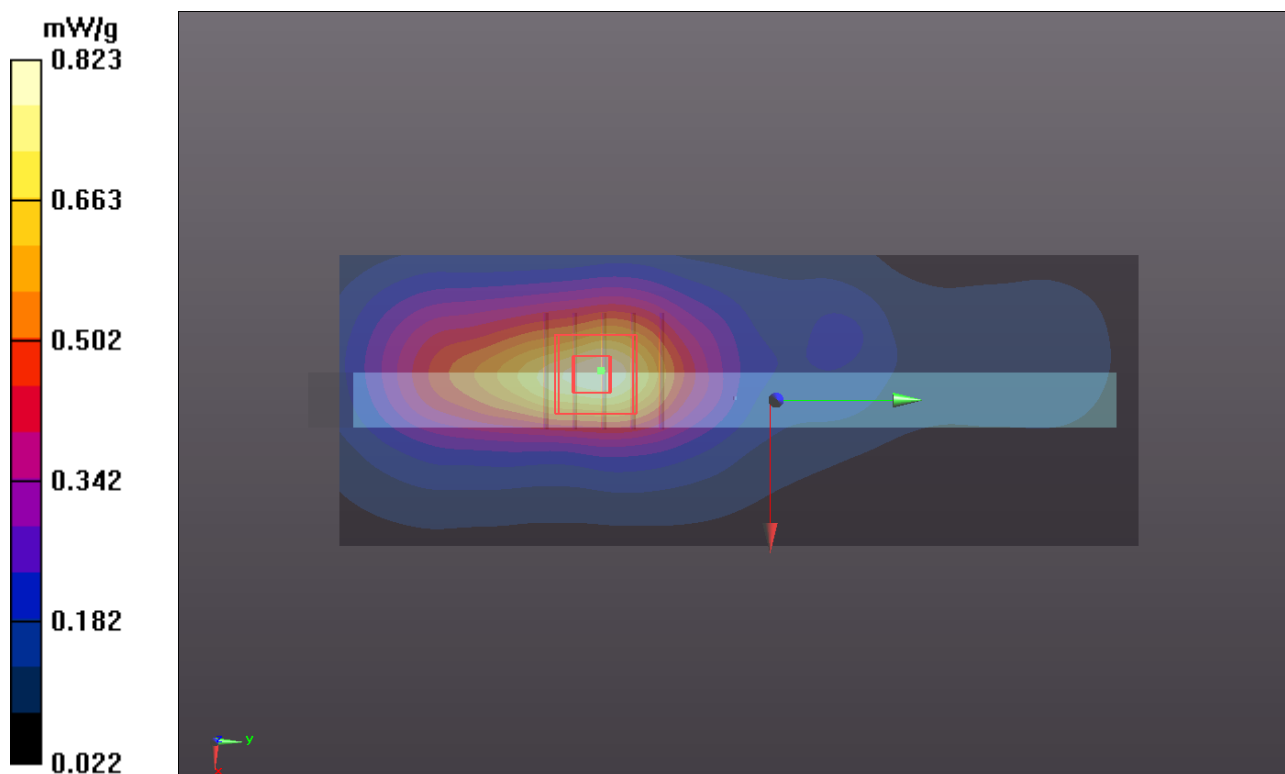
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0427 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.823 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 11.938 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 1.072 mW/g  
**SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.391 mW/g**  
Maximum value of SAR (measured) = 0.869 mW/g



### P72 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch1175\_w/o Pw Reduction\_Top-Left Angle 55

**DUT: 120309C18**

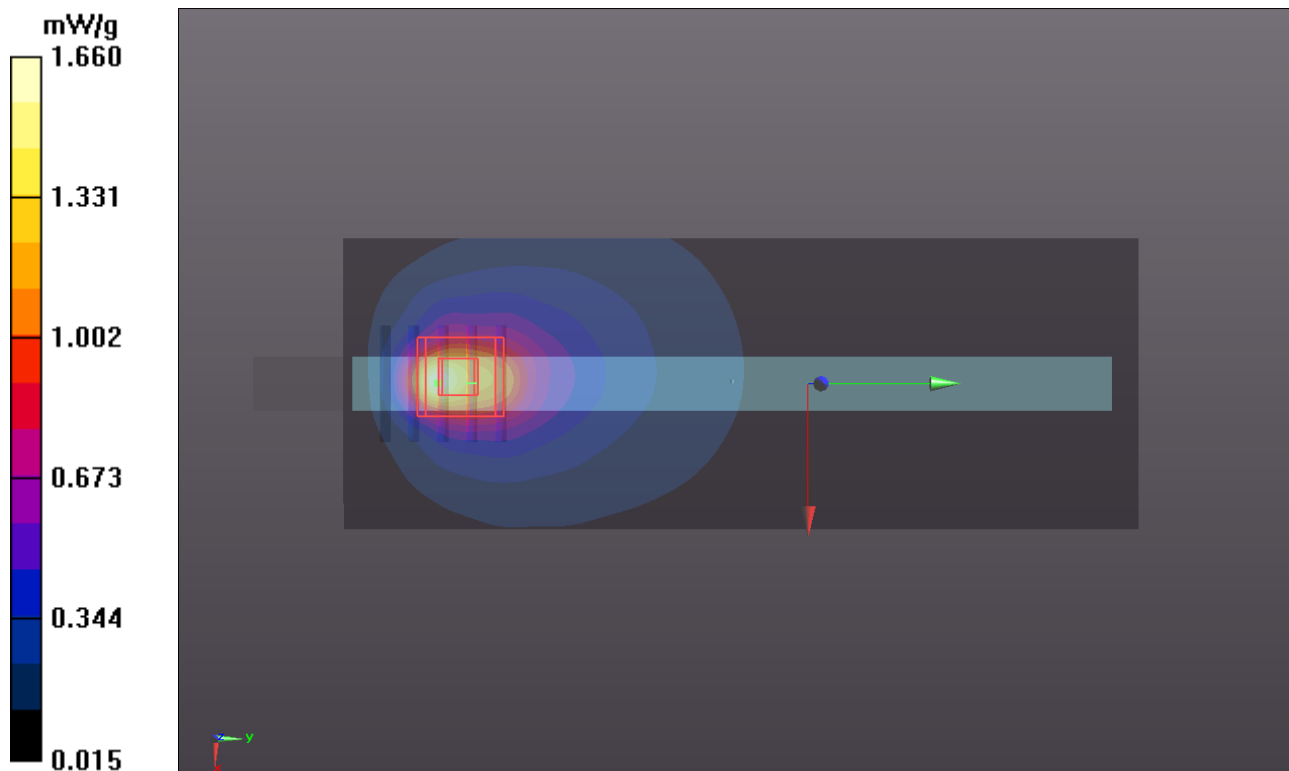
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0427 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.66 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.177 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 1.903 mW/g  
**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.588 mW/g**  
Maximum value of SAR (measured) = 1.45 mW/g



### P73 CDMA2000 BC1\_EVDO Rev.0\_Secundary Portrait\_0cm\_Ch1175 \_w/o Pw Reduction\_Top-Right Angle 20

**DUT: 120309C18**

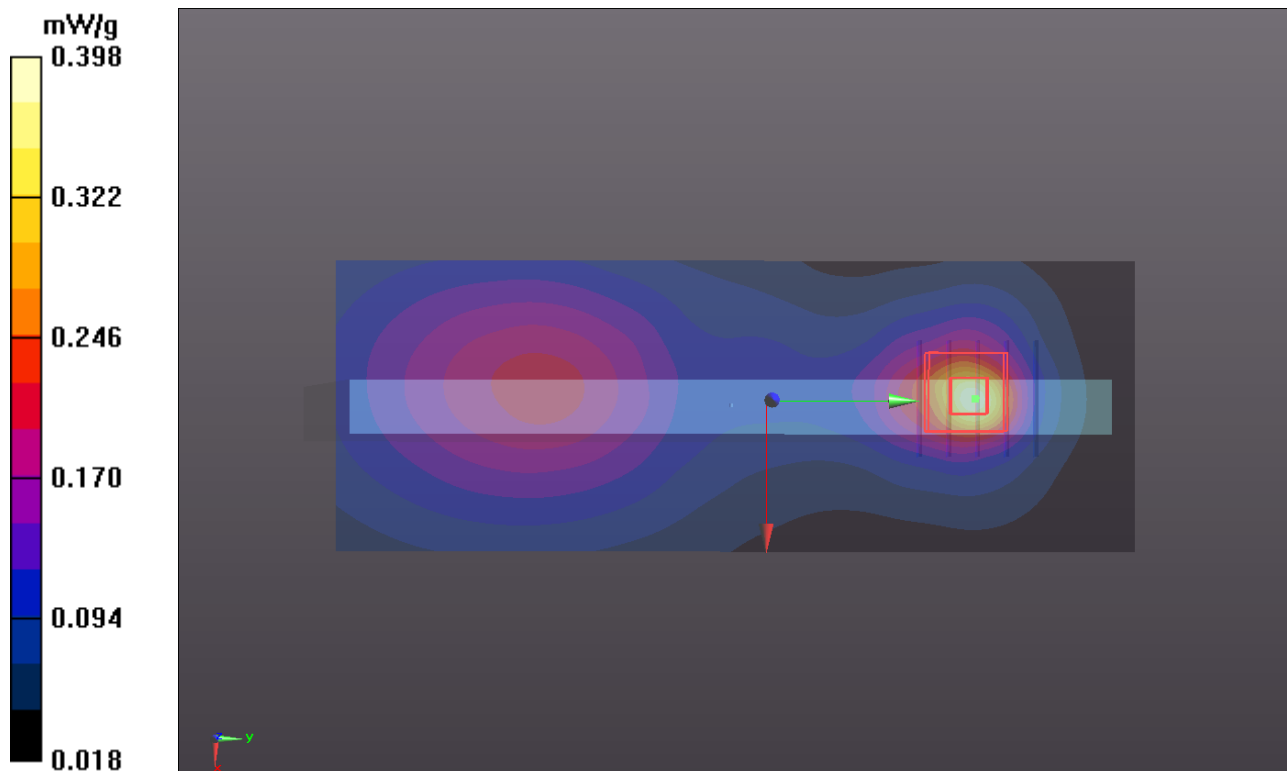
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0427 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 54.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch1175/Area Scan (41x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.398 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.847 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.484 mW/g  
**SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.151 mW/g**  
Maximum value of SAR (measured) = 0.385 mW/g



### P11 CDMA2000 BC1\_EVDO Rev.0\_Secundary Landscape\_0cm\_Ch1175\_w/o Pw Reduction

**DUT: 120309C18**

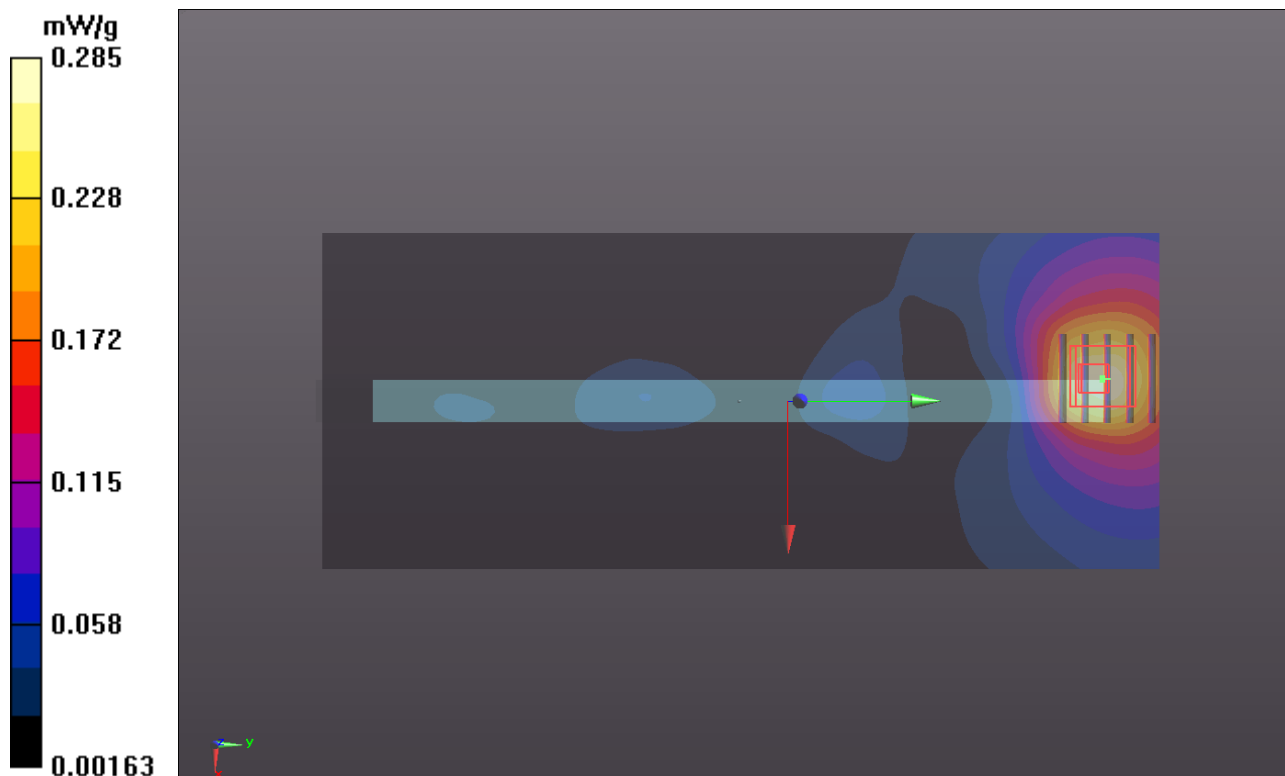
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_0407 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r = 52.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1175/Area Scan (61x151x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.285 mW/g

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.072 V/m; Power Drift = -0.032 dB  
Peak SAR (extrapolated) = 0.3650  
**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.137 mW/g**  
Maximum value of SAR (measured) = 0.292 mW/g



### P74 CDMA2000 BC1\_EVDO Rev.0\_Secondary Portrait\_0cm\_Ch25\_w/o Pw Reduction\_Top-Left Angle 55

**DUT: 120309C18**

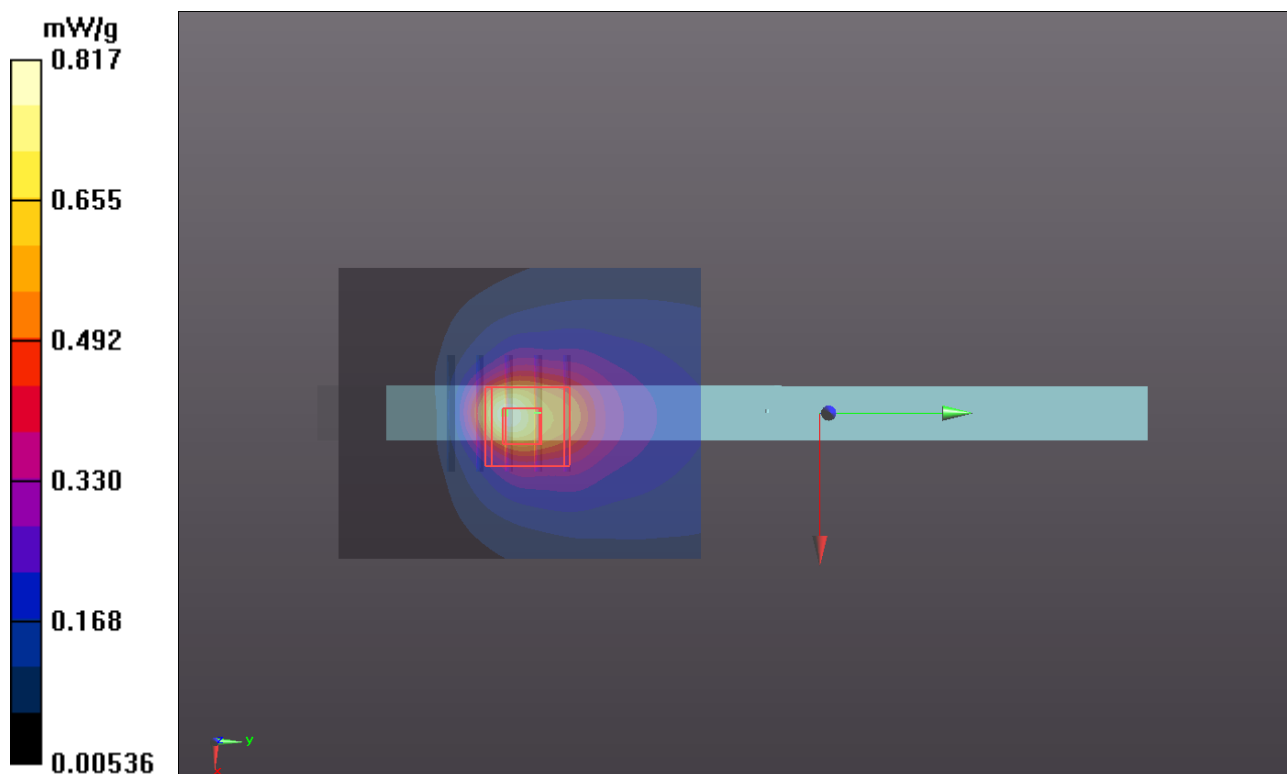
Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: B1900\_0427 Medium parameters used :  $f = 1851.25$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r = 54.986$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch25/Area Scan (41x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.817 mW/g

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.231 V/m; Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 0.959 mW/g  
**SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.308 mW/g**  
Maximum value of SAR (measured) = 0.698 mW/g



### P75 CDMA2000 BC1\_EVDO Rev.0\_Secondary Portrait\_0cm\_Ch600\_w/o Pw Reduction\_Top-Left Angle 55

**DUT: 120309C18**

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: B1900\_0427 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.538$  mho/m;  $\epsilon_r = 54.881$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(6.97, 6.97, 6.97); Calibrated: 2011/08/05;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch600/Area Scan (41x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.04 mW/g

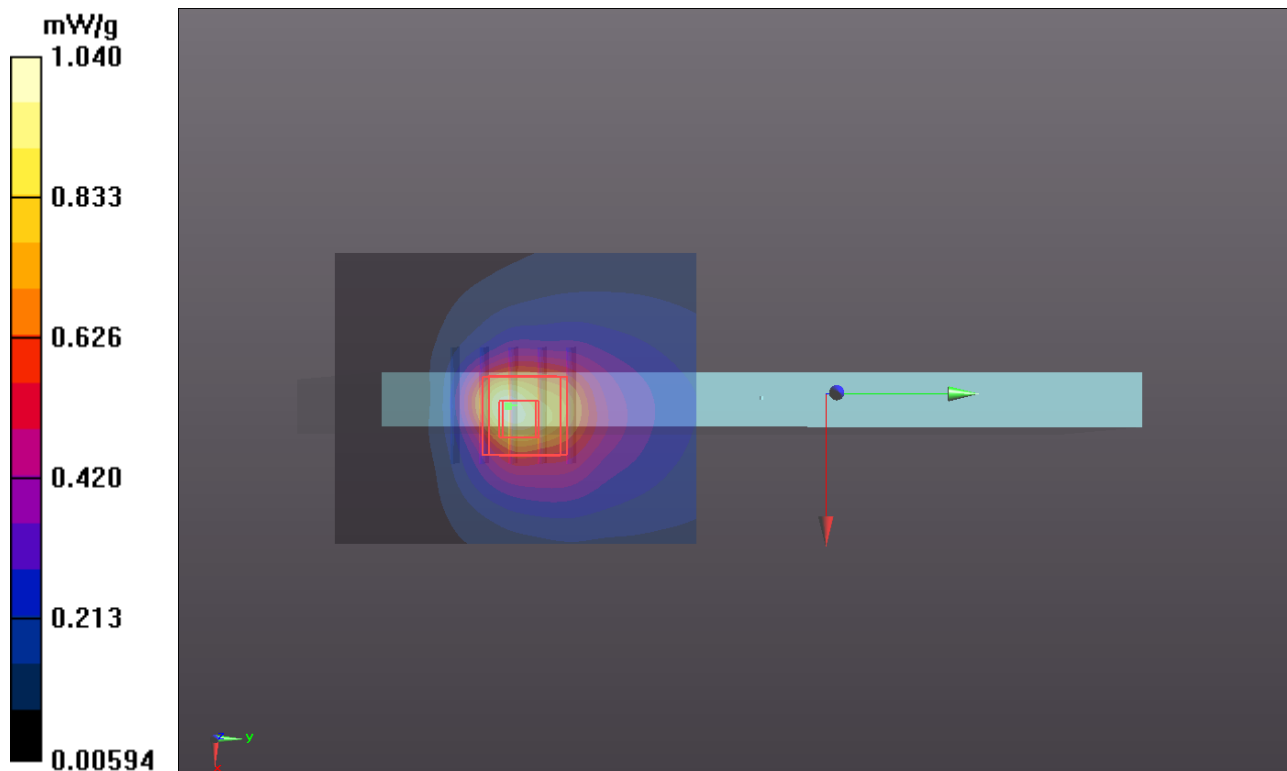
**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.678 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.390 mW/g

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.439 mW/g**

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



### P12 LTE 13\_QPSK\_10M\_Rear Face\_0cm\_Ch23230\_25RB\_Offset 12

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (131x151x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.349 \text{ mW/g}$

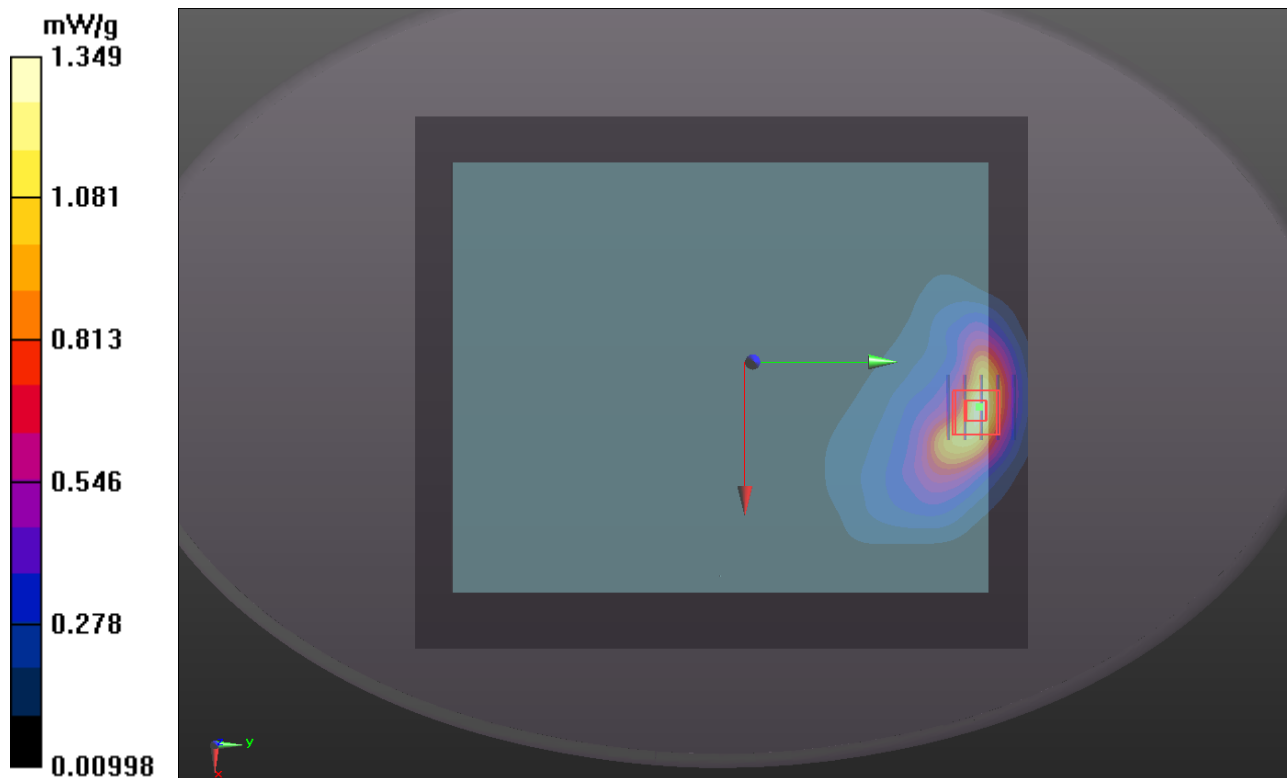
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $4.369 \text{ V/m}$ ; Power Drift =  $0.13 \text{ dB}$

Peak SAR (extrapolated) =  $1.8550$

**SAR(1 g) =  $1.13 \text{ mW/g}$ ; SAR(10 g) =  $0.681 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.484 \text{ mW/g}$



### P13 LTE 13\_QPSK\_10M\_Secondary Portrait\_0cm\_Ch23230\_25RB\_Offset 12

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x121x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.248 mW/g

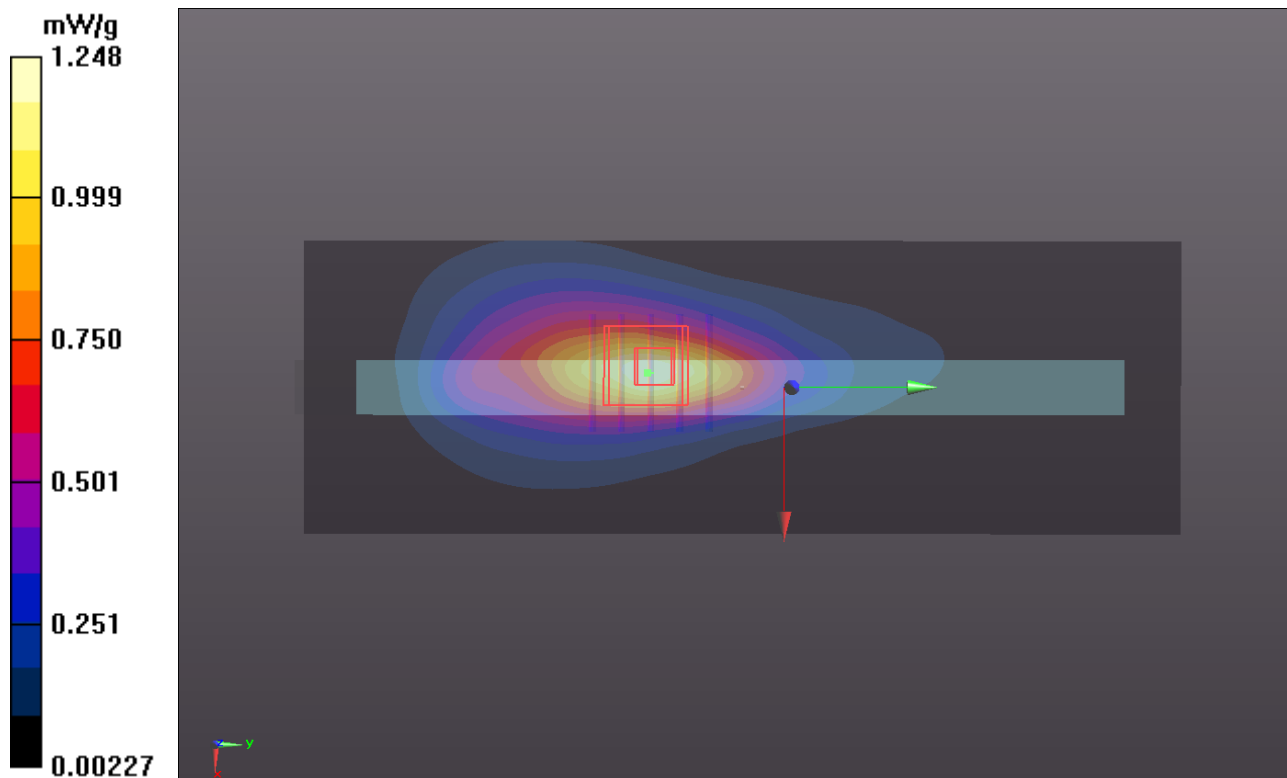
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.737 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.7370

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.617 mW/g**

Maximum value of SAR (measured) = 1.372 mW/g



### P14 LTE 13\_QPSK\_10M\_Secondary Landscape\_0cm\_Ch23230\_25RB\_Offset 12

#### DUT: 120309C18

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x141x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $0.172 \text{ mW/g}$

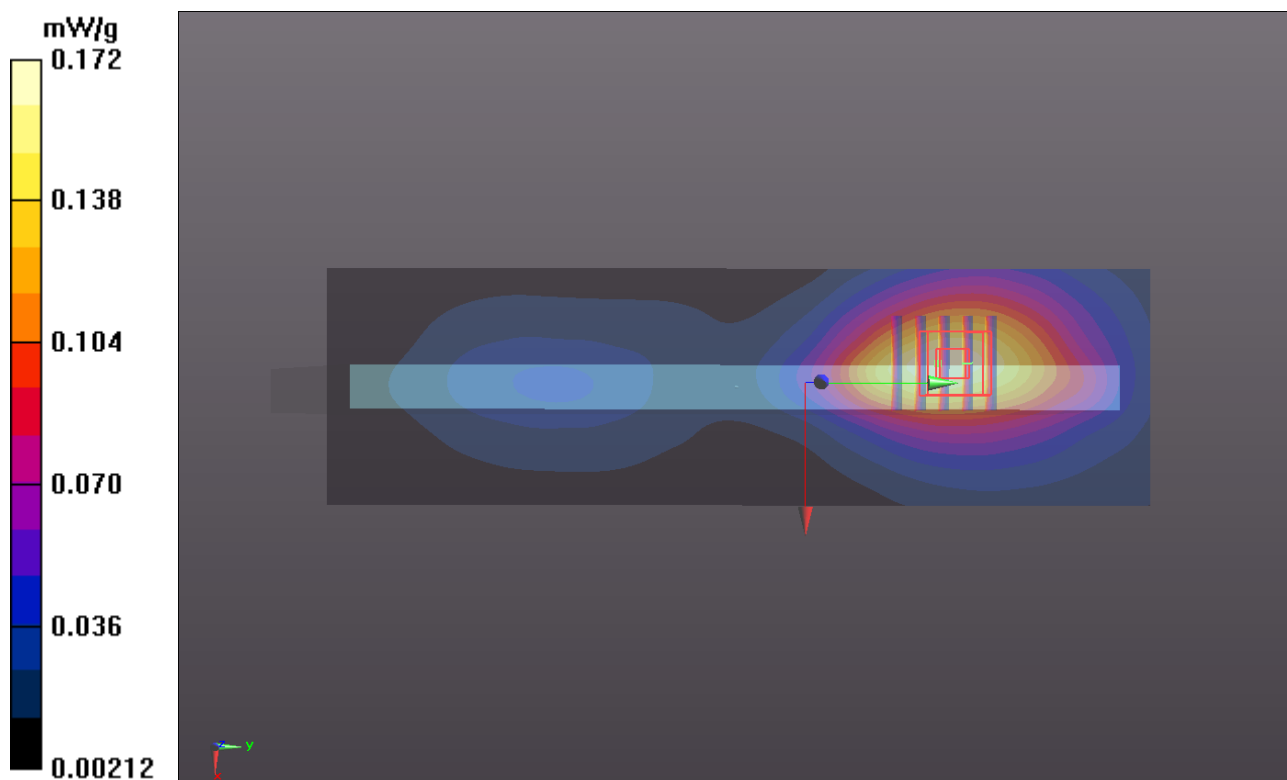
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $4.753 \text{ V/m}$ ; Power Drift =  $-0.131 \text{ dB}$

Peak SAR (extrapolated) =  $0.1990$

**SAR(1 g) =  $0.143 \text{ mW/g}$ ; SAR(10 g) =  $0.101 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.174 \text{ mW/g}$



### P15 LTE 13\_QPSK\_10M\_Rear Face\_0cm\_Ch23230\_1RB\_Offset 0

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.993$  mho/m;  $\epsilon_r = 54.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (121x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 1.446 mW/g

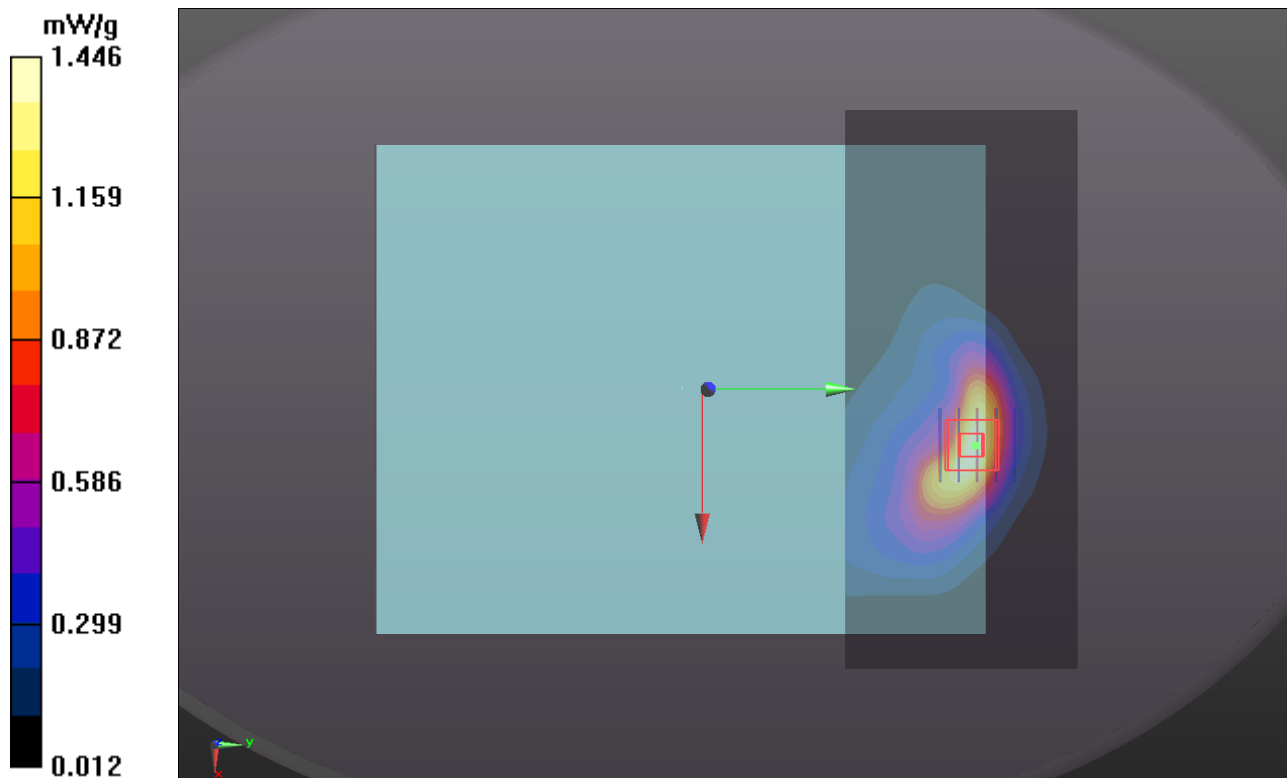
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.478 V/m; Power Drift = 0.185 dB

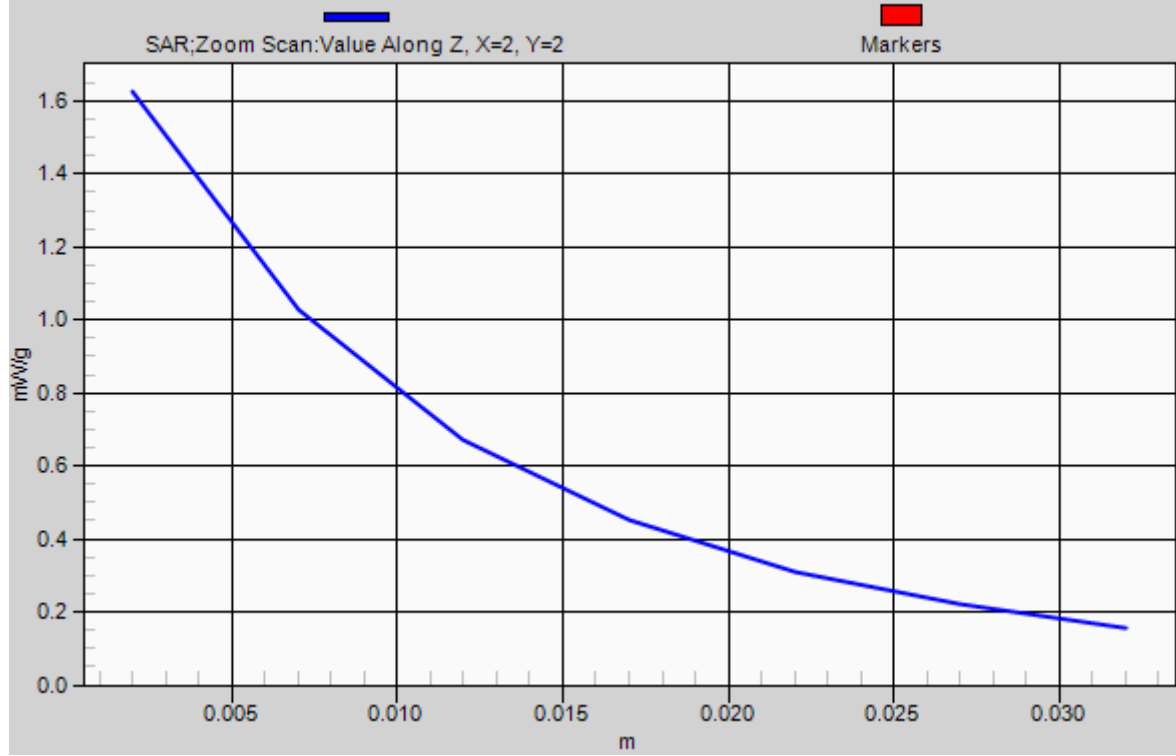
Peak SAR (extrapolated) = 2.0200

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.756 mW/g**

Maximum value of SAR (measured) = 1.625 mW/g



# 1g/10g Averaged SAR



### P16 LTE 13\_QPSK\_10M\_Secondary Portrait\_0cm\_Ch23230\_1RB\_Offset 0

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x61x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.524 \text{ mW/g}$

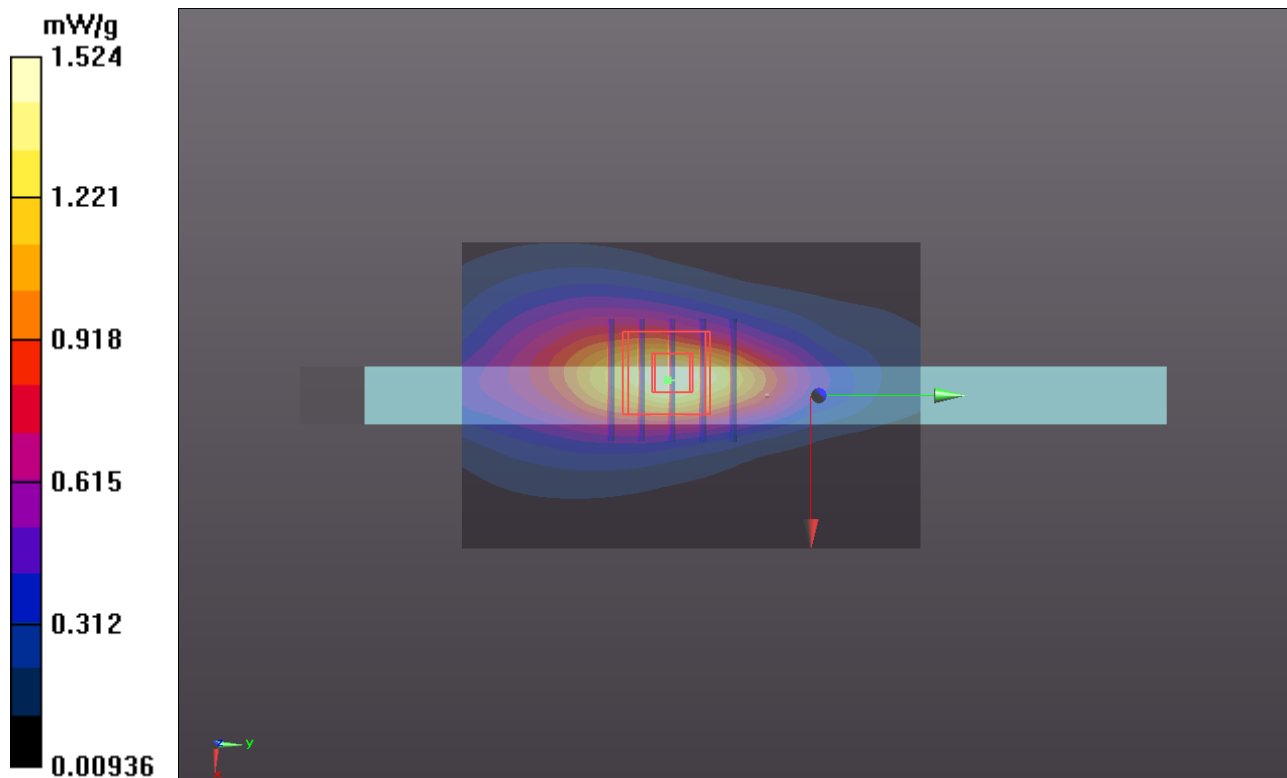
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $29.610 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $2.0490$

**SAR(1 g) =  $1.23 \text{ mW/g}$ ; SAR(10 g) =  $0.734 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.644 \text{ mW/g}$



### P17 LTE 13\_QPSK\_10M\_Secondary Landscape\_0cm\_Ch23230\_1RB\_Offset 0

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x141x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $0.192 \text{ mW/g}$

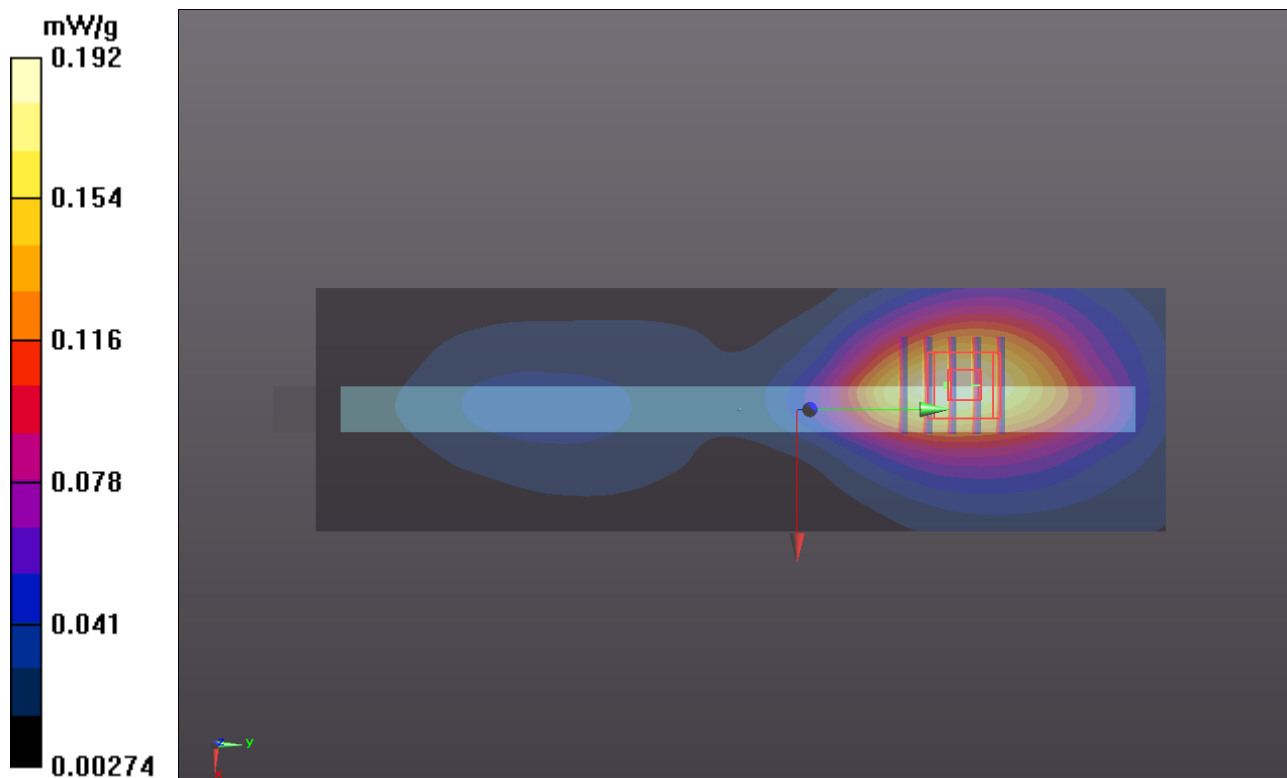
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $4.758 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $0.2300$

**SAR(1 g) =  $0.161 \text{ mW/g}$ ; SAR(10 g) =  $0.113 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.200 \text{ mW/g}$



### P18 LTE 13\_QPSK\_10M\_Rear Face\_0cm\_Ch23230\_1RB\_Offset 49

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (121x51x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.459 \text{ mW/g}$

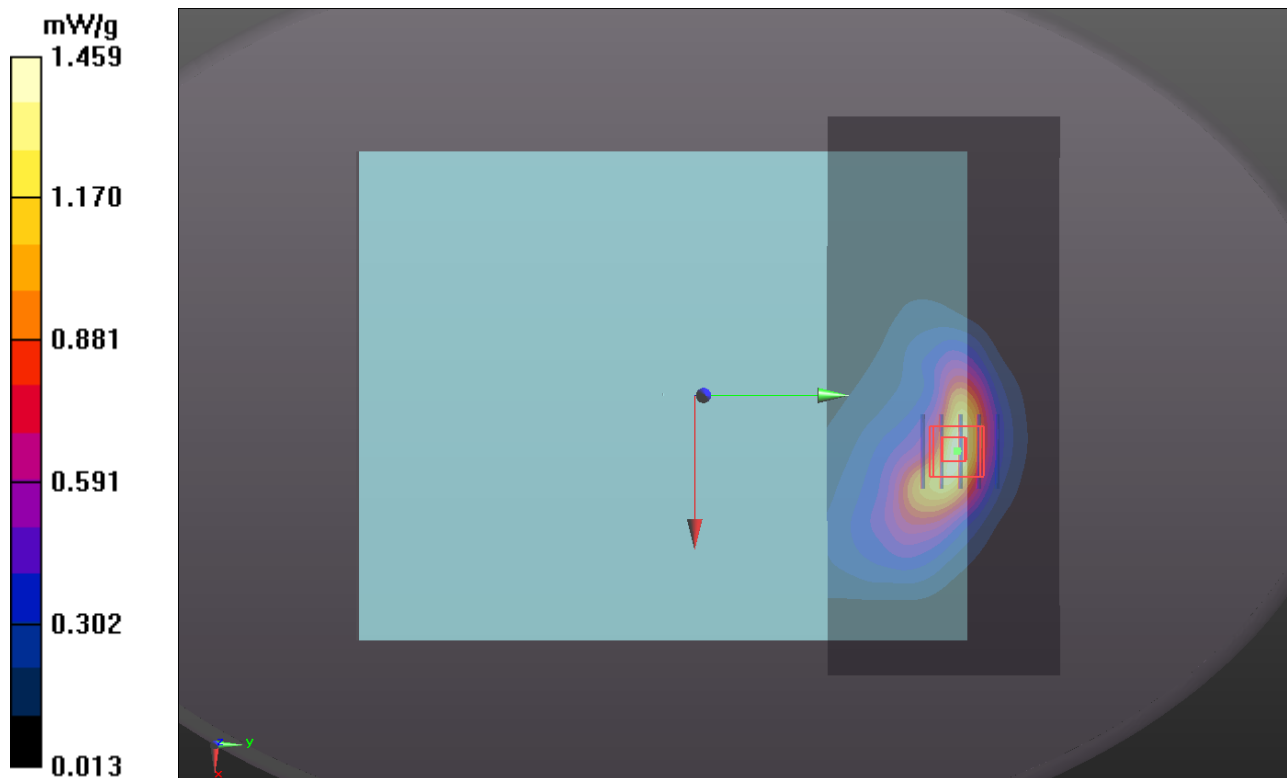
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $4.340 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $1.9540$

**SAR(1 g) =  $1.2 \text{ mW/g}$ ; SAR(10 g) =  $0.720 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.583 \text{ mW/g}$



### P19 LTE 13\_QPSK\_10M\_Secondary Portrait\_0cm\_Ch23230\_1RB\_Offset 49

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x61x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.493 mW/g

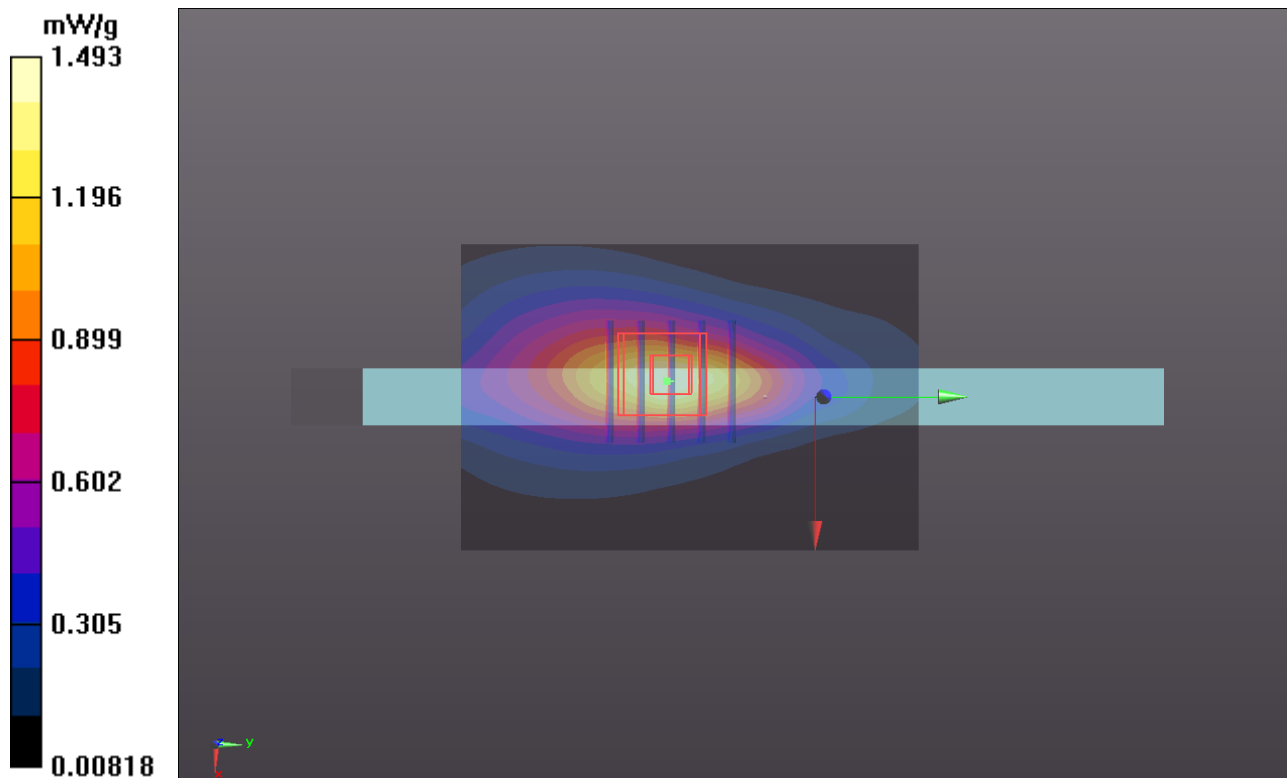
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.762 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.0030

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.709 mW/g**

Maximum value of SAR (measured) = 1.592 mW/g



## P20 LTE 13\_QPSK\_10M\_Secondary Landscape\_0cm\_Ch23230\_1RB\_Offset 49

### DUT: 120309C18

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (41x141x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $0.168 \text{ mW/g}$

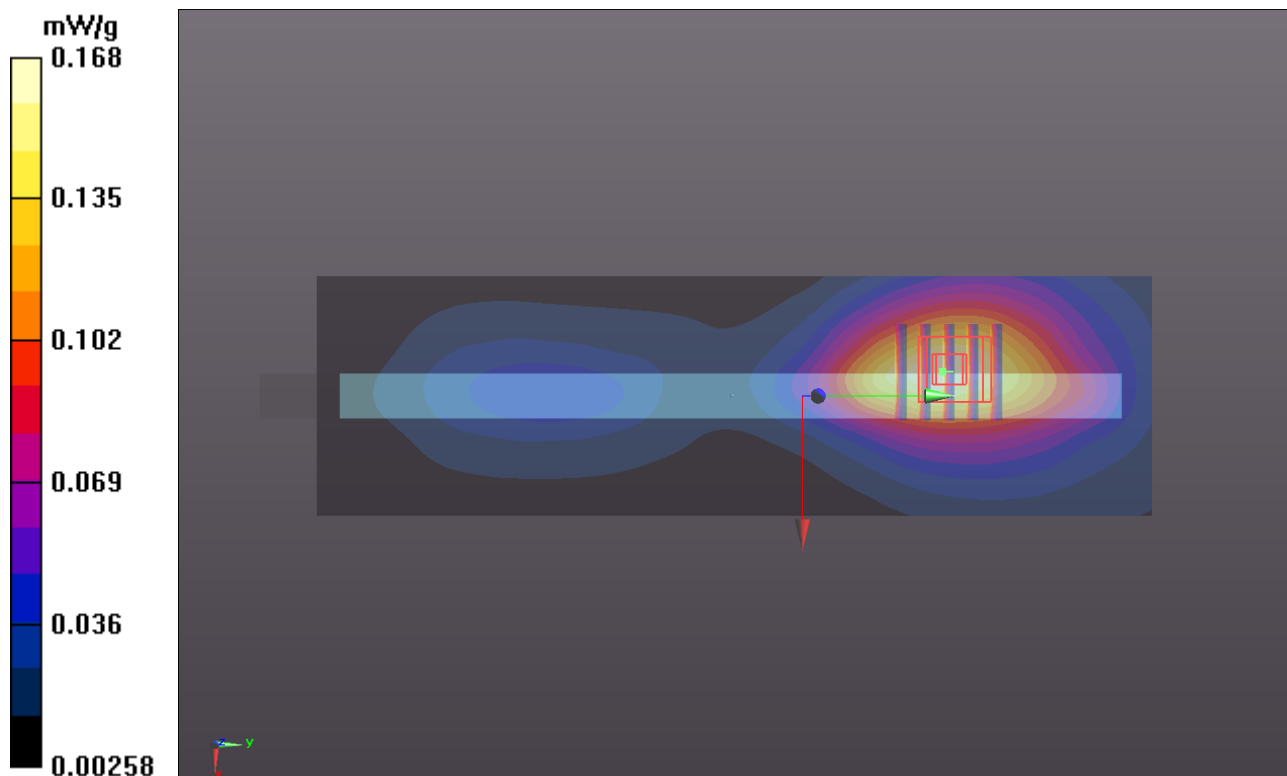
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $4.781 \text{ V/m}$ ; Power Drift =  $-0.034 \text{ dB}$

Peak SAR (extrapolated) =  $0.1940$

**SAR(1 g) =  $0.139 \text{ mW/g}$ ; SAR(10 g) =  $0.098 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.171 \text{ mW/g}$



## P21 LTE 13\_16QAM\_10M\_Rear Face\_0cm\_Ch23230\_25RB\_Offset 12

### DUT: 120309C18

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (11x81x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.203 \text{ mW/g}$

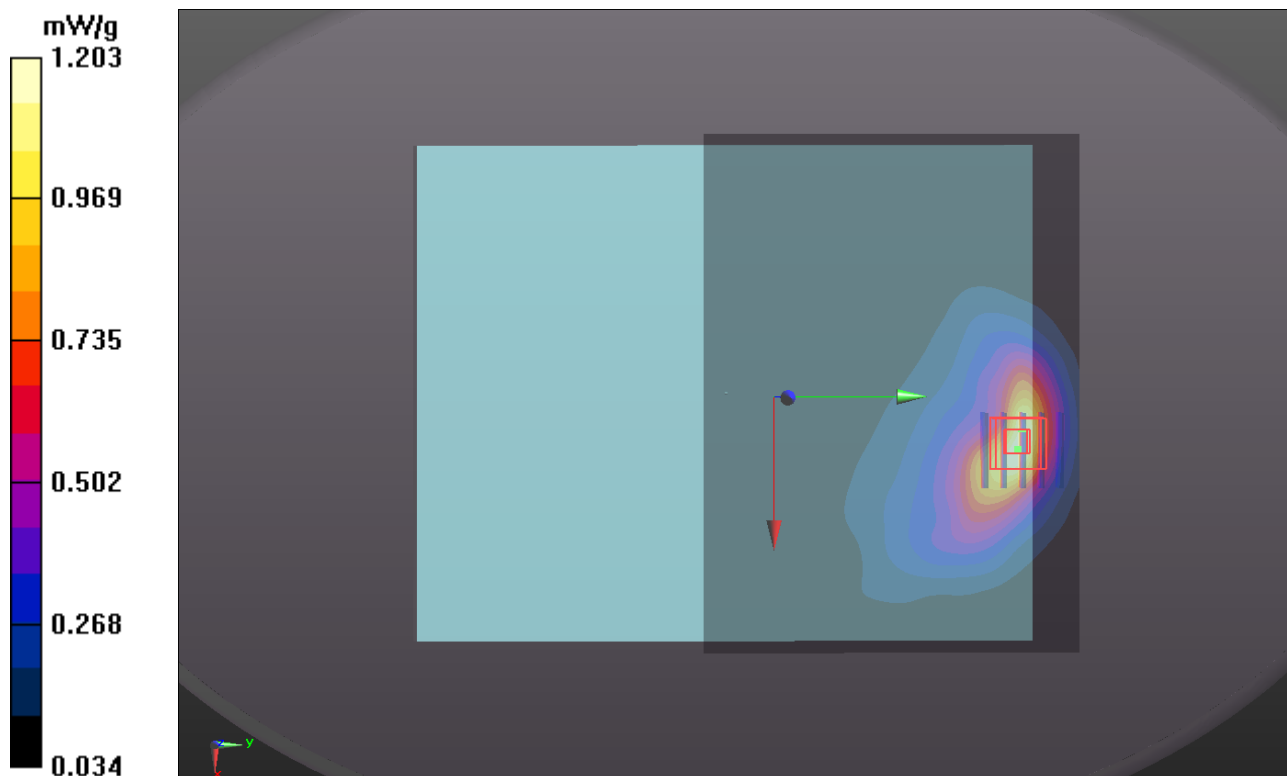
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $6.462 \text{ V/m}$ ; Power Drift =  $-0.167 \text{ dB}$

Peak SAR (extrapolated) =  $1.7040$

**SAR(1 g) =  $1.04 \text{ mW/g}$ ; SAR(10 g) =  $0.636 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.370 \text{ mW/g}$



## P22 LTE 13\_16QAM\_10M\_Rear Face\_0cm\_Ch23230\_1RB\_Offset 0

### DUT: 120309C18

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.993$  mho/m;  $\epsilon_r = 54.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (11x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.284 mW/g

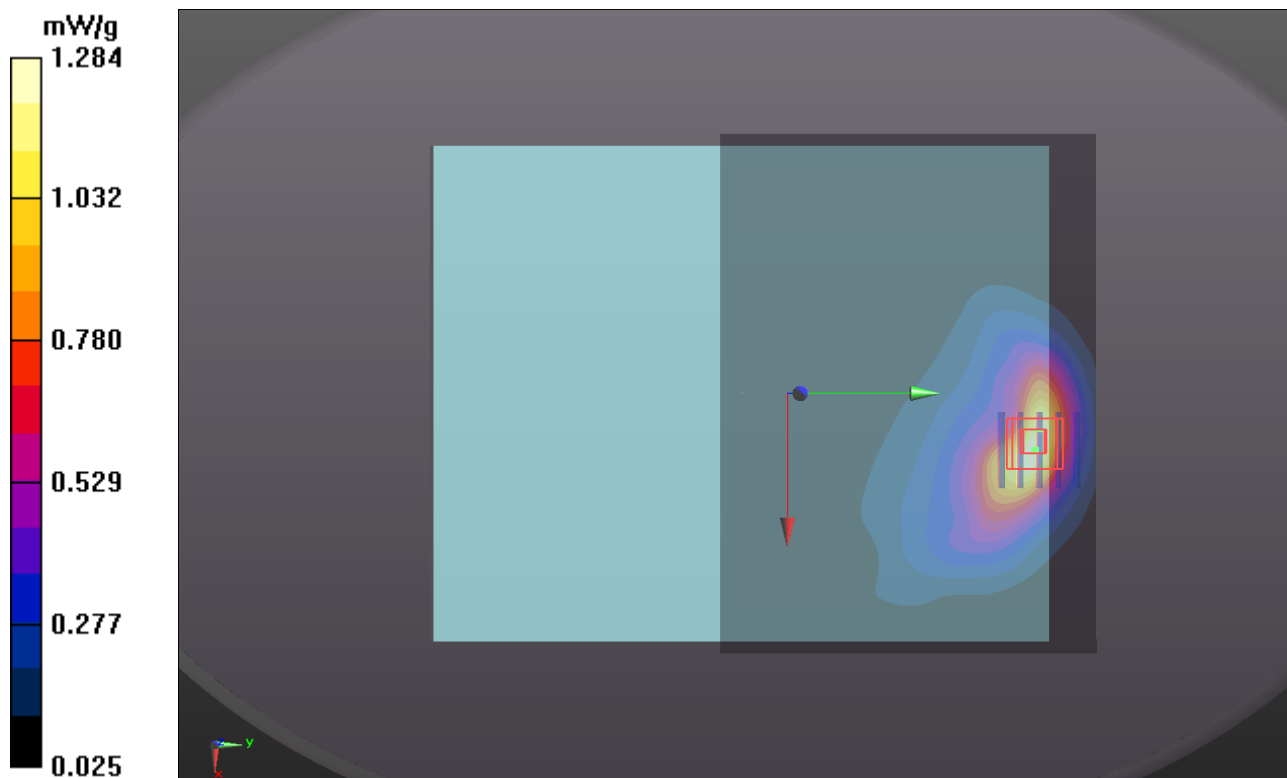
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.955 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 1.7840

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.675 mW/g**

Maximum value of SAR (measured) = 1.444 mW/g



### P23 LTE 13\_16QAM\_10M\_Rear Face\_0cm\_Ch23230\_1RB\_Offset 49

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ mho/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.0 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3800; ConvF(9.34, 9.34, 9.34); Calibrated: 2011/08/05
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2011/06/24
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch23230/Area Scan (11x81x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.223 \text{ mW/g}$

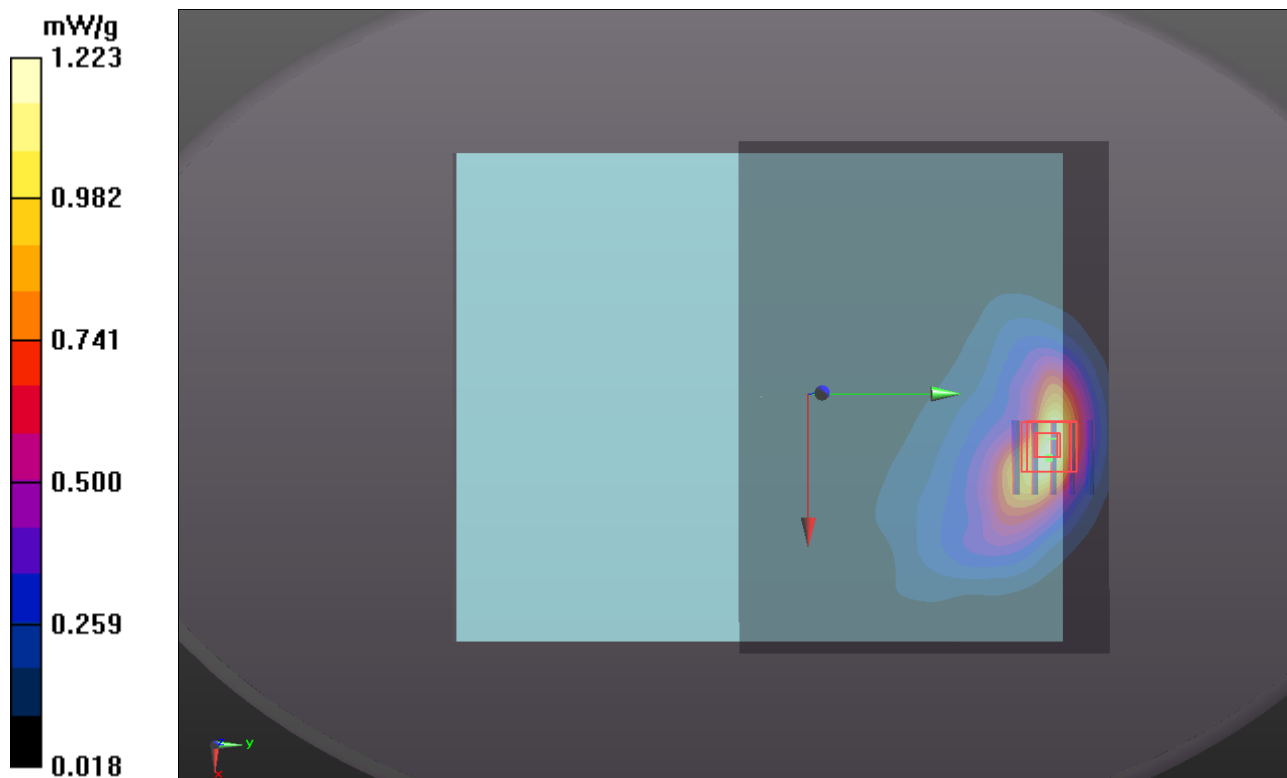
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $5.083 \text{ V/m}$ ; Power Drift =  $-0.148 \text{ dB}$

Peak SAR (extrapolated) =  $1.7300$

**SAR(1 g) =  $1.05 \text{ mW/g}$ ; SAR(10 g) =  $0.640 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.398 \text{ mW/g}$



### P95 LTE 13\_16QAM\_10M\_Secondary Portrait\_0cm\_Ch23230\_25RB\_Offset 12

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0608 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 54.858$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch23230/Area Scan (41x121x1):** Measurement grid: dx=20mm, dy=20mm

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

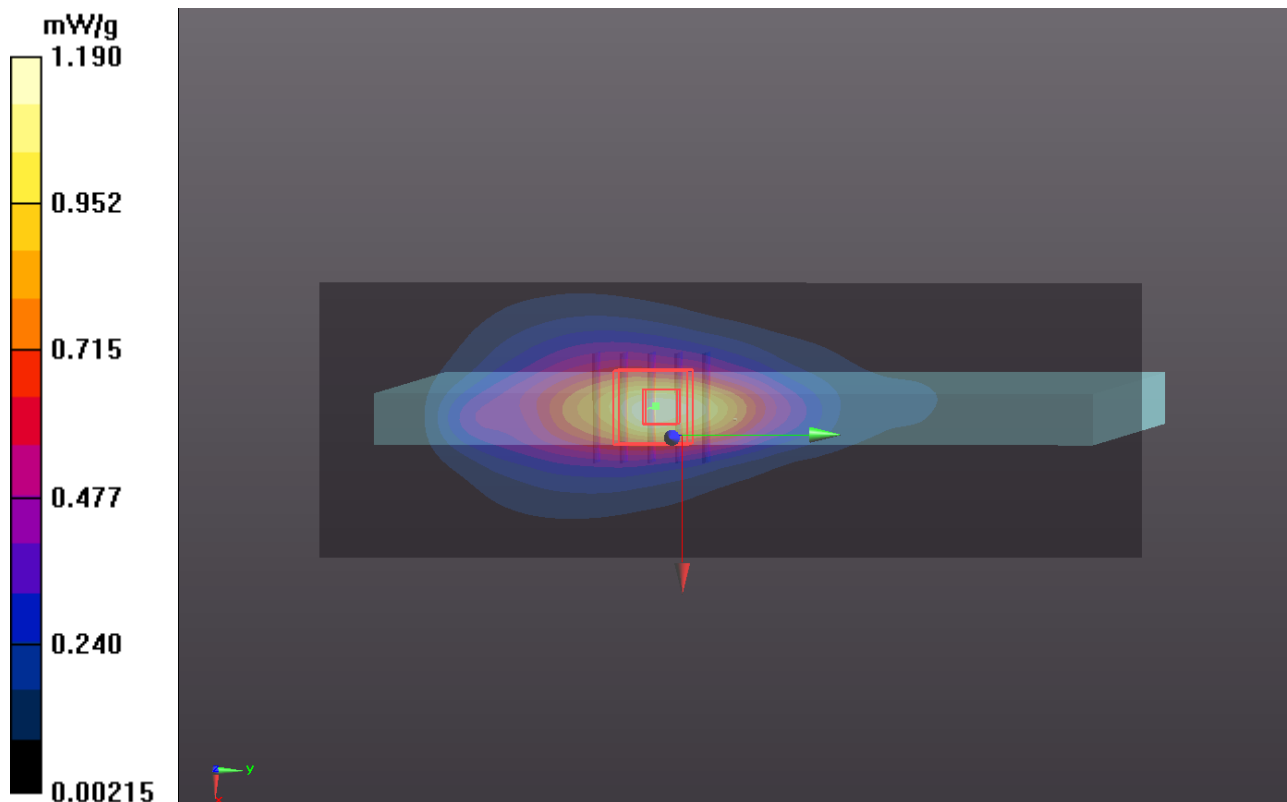
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.919 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.528 mW/g

**SAR(1 g) = 0.920 mW/g; SAR(10 g) = 0.550 mW/g**

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



### P96 LTE 13\_16QAM\_10M\_Secondary Portrait\_0cm\_Ch23230\_1RB\_Offset 0

#### DUT: 120309C18

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0608 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 54.858$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $21.9 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $20.8 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch23230/Area Scan (41x71x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

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

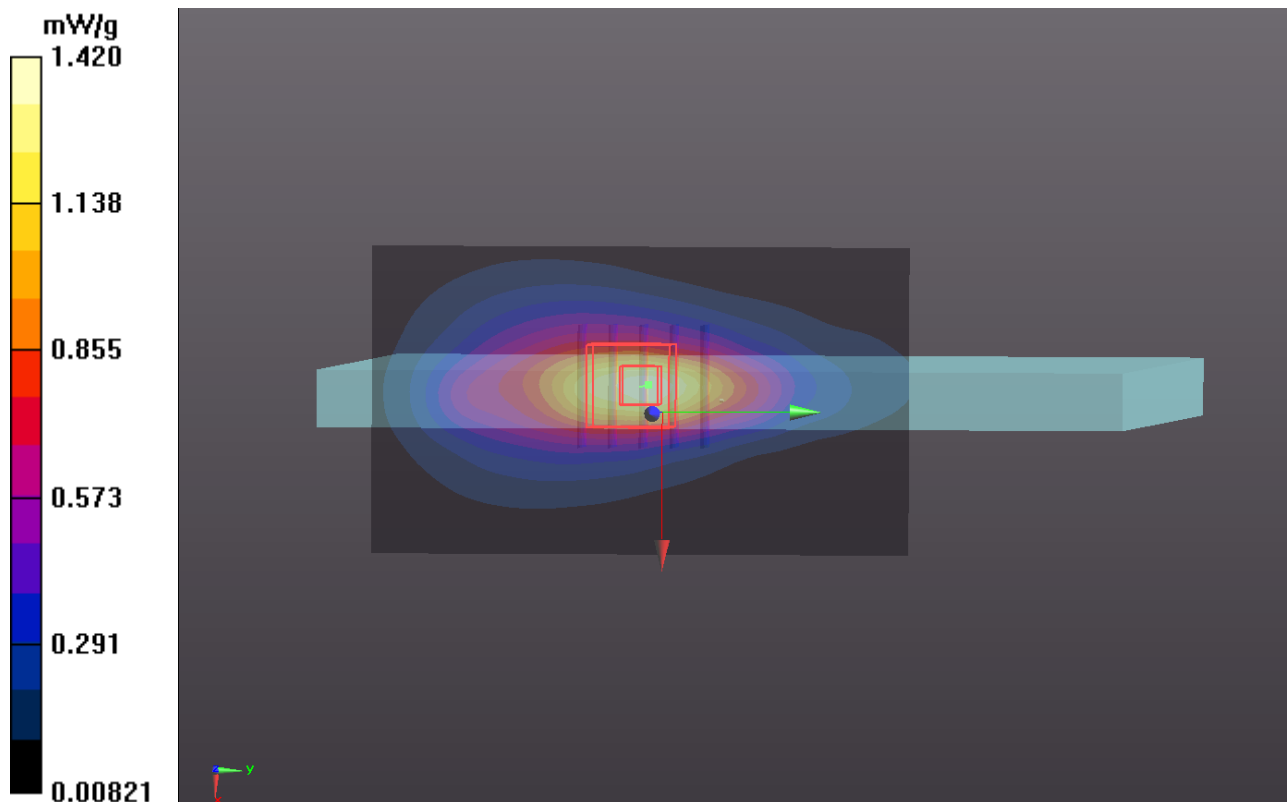
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $31.523 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $1.794 \text{ mW/g}$

**SAR(1 g) =  $1.09 \text{ mW/g}$ ; SAR(10 g) =  $0.653 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.47 \text{ mW/g}$



### P97 LTE 13\_16QAM\_10M\_Secondary Portrait\_0cm\_Ch23230\_1RB\_Offset 49

**DUT: 120309C18**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0608 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 54.858$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $21.9 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $20.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Ch23230/Area Scan (41x71x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) =  $1.38 \text{ mW/g}$

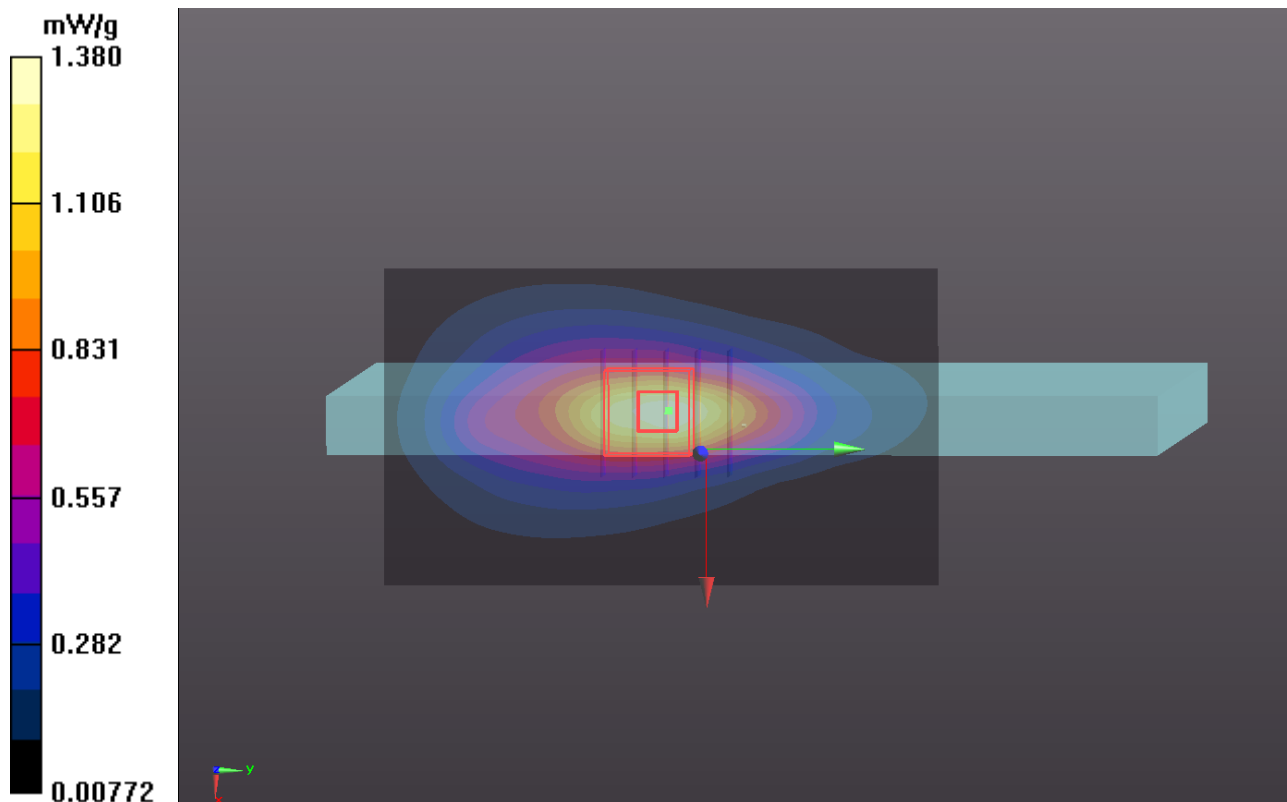
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $30.769 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $1.737 \text{ mW/g}$

**SAR(1 g) =  $1.05 \text{ mW/g}$ ; SAR(10 g) =  $0.631 \text{ mW/g}$**

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



### P98 LTE 13\_16QAM\_10M\_Secondary Landscape\_0cm\_Ch23230\_25RB\_Offset 12

#### DUT: 120321C12

Communication System: LTE band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0613 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 55.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.5 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23230/Area Scan (41x151x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.123 mW/g

**Ch23230/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.75 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.068 mW/g**

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

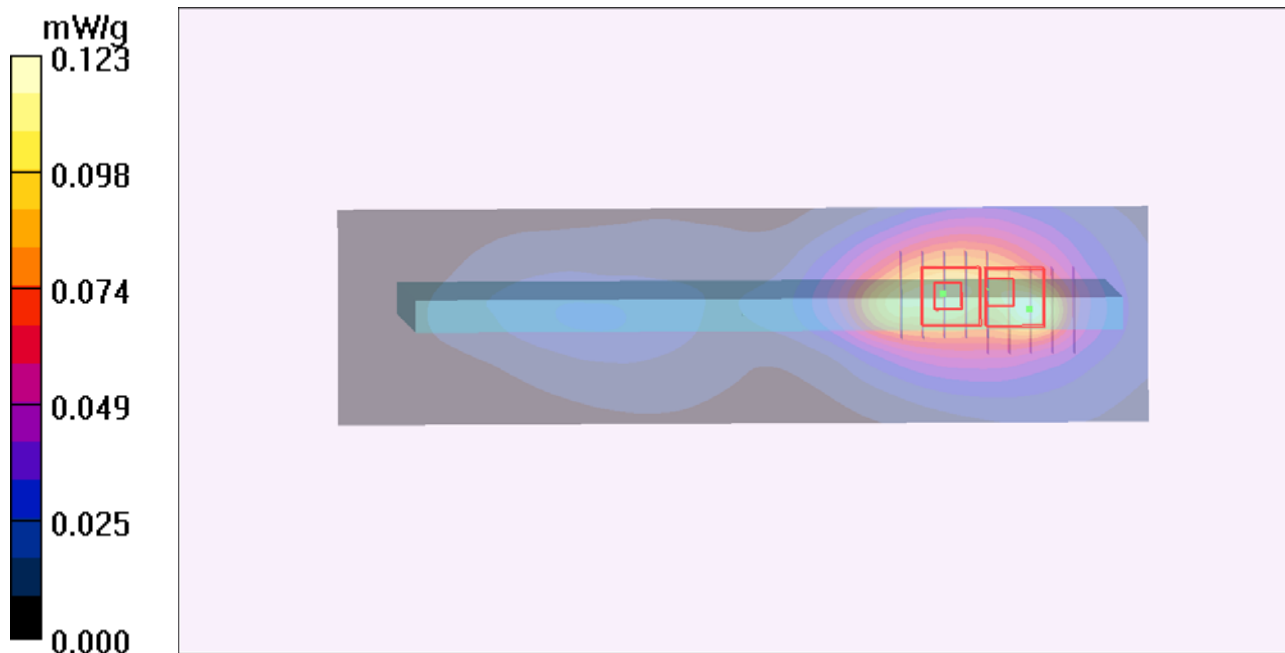
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.75 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.129 W/kg

**SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.055 mW/g**

Maximum value of SAR (measured) = 0.102 mW/g



### P99 LTE 13\_16QAM\_10M\_Secondary Landscape\_0cm\_Ch23230\_1RB\_Offset 0

#### DUT: 120321C12

Communication System: LTE band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0613 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 55.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.5 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23230/Area Scan (41x151x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.132 mW/g

**Ch23230/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.77 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.128 mW/g

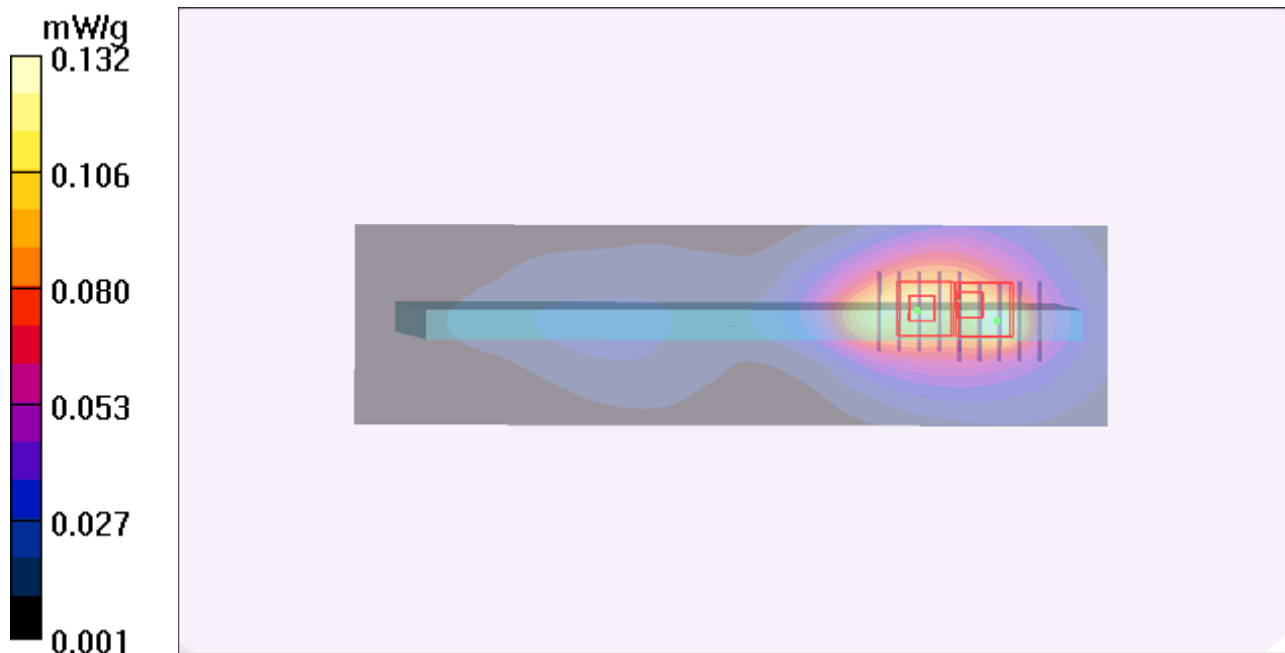
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.77 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.110 mW/g



### P100 LTE 13\_16QAM\_10M\_Secondary Landscape\_0cm\_Ch23230\_1RB\_Offset 49

#### DUT: 120321C12

Communication System: LTE band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_0613 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.999$  mho/m;  $\epsilon_r = 55.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.5 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23230/Area Scan (41x151x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.121 mW/g

**Ch23230/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.88 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.066 mW/g**

Maximum value of SAR (measured) = 0.115 mW/g

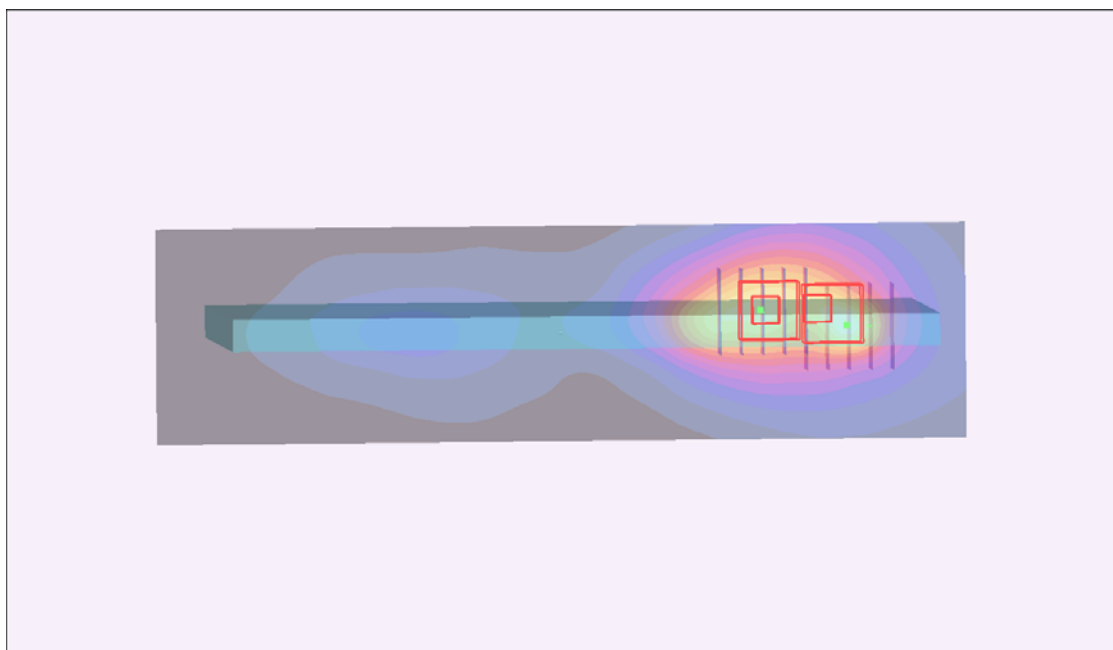
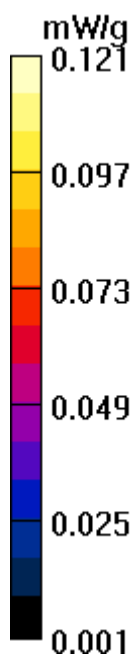
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.88 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.131 W/kg

**SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.102 mW/g



### P43 802.11b\_Rear Face\_0cm\_Ch1

**DUT: 111221C04**

Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450\_0305 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.928$  mho/m;  $\epsilon_r = 51.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1/Area Scan (131x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.533 mW/g

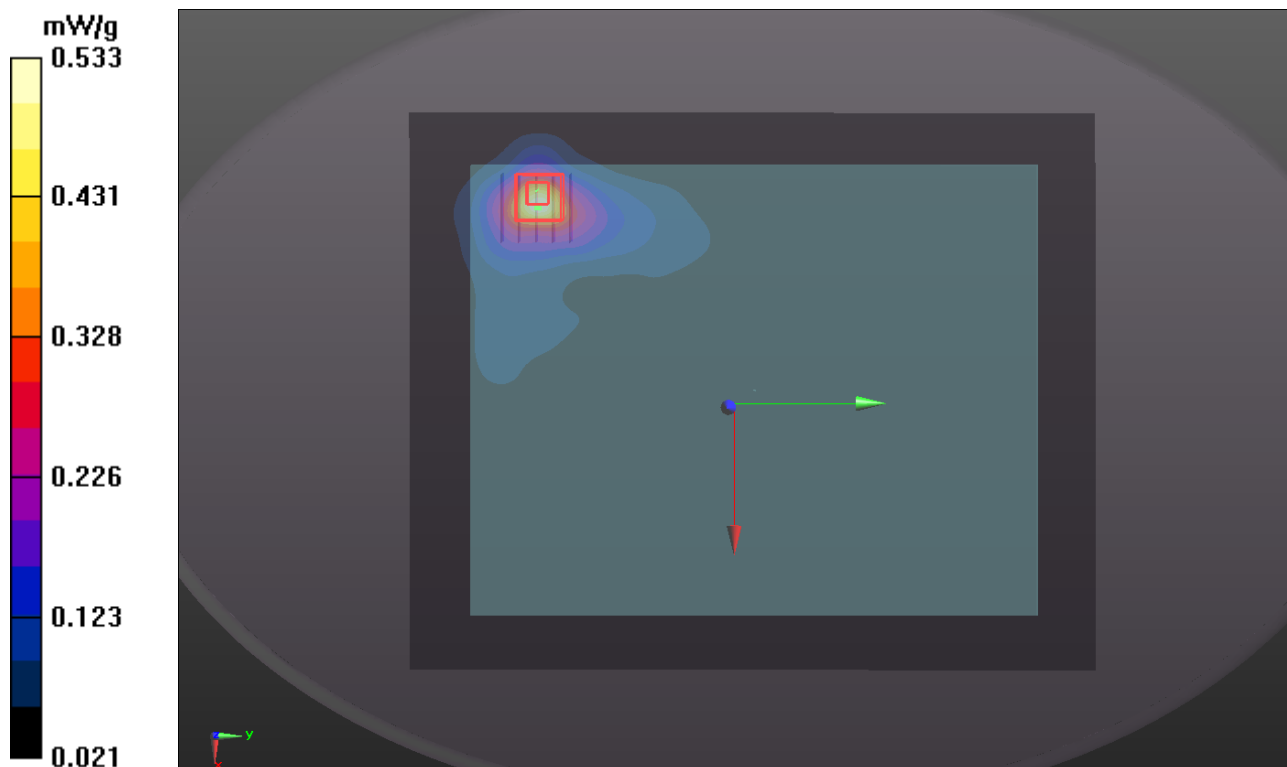
**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.389 V/m; Power Drift = -0.19 dB

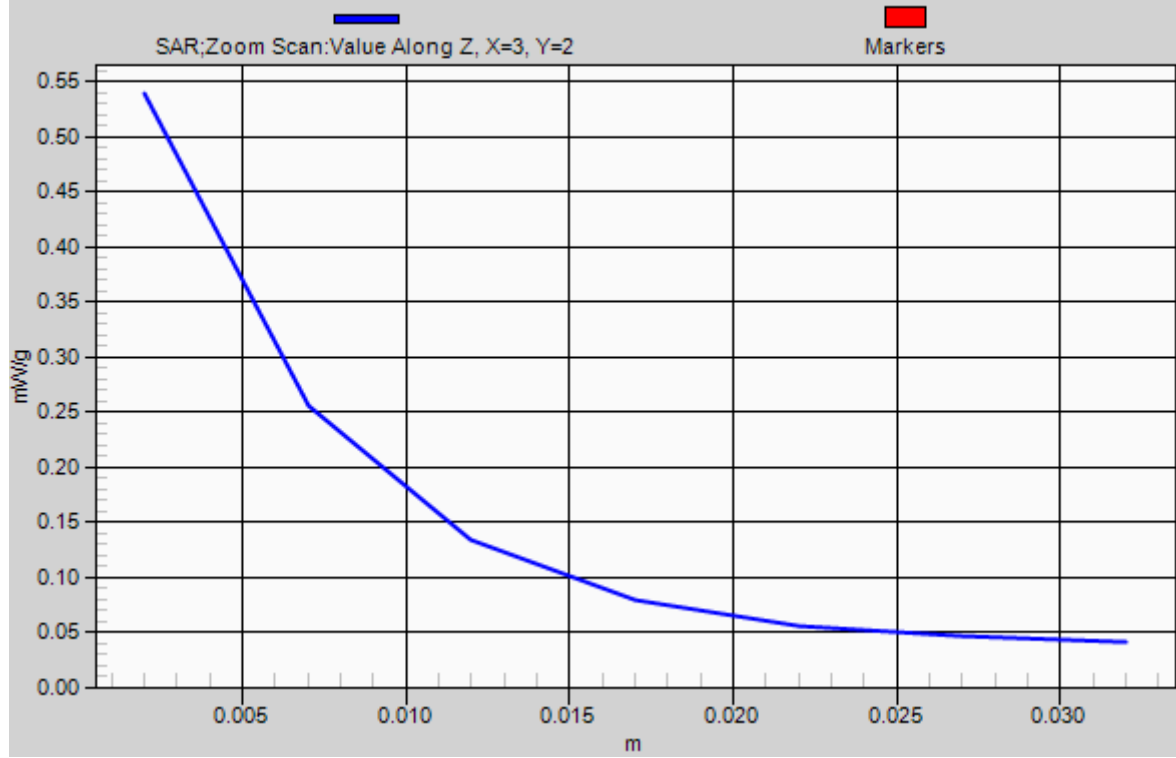
Peak SAR (extrapolated) = 0.7550

**SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.192 mW/g**

Maximum value of SAR (measured) = 0.539 mW/g



# 1g/10g Averaged SAR



### P44 802.11b\_Primary Portrait\_0cm\_Ch1

**DUT: 111221C04**

Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450\_0305 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.928$  mho/m;  $\epsilon_r = 51.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1/Area Scan (61x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.093 mW/g

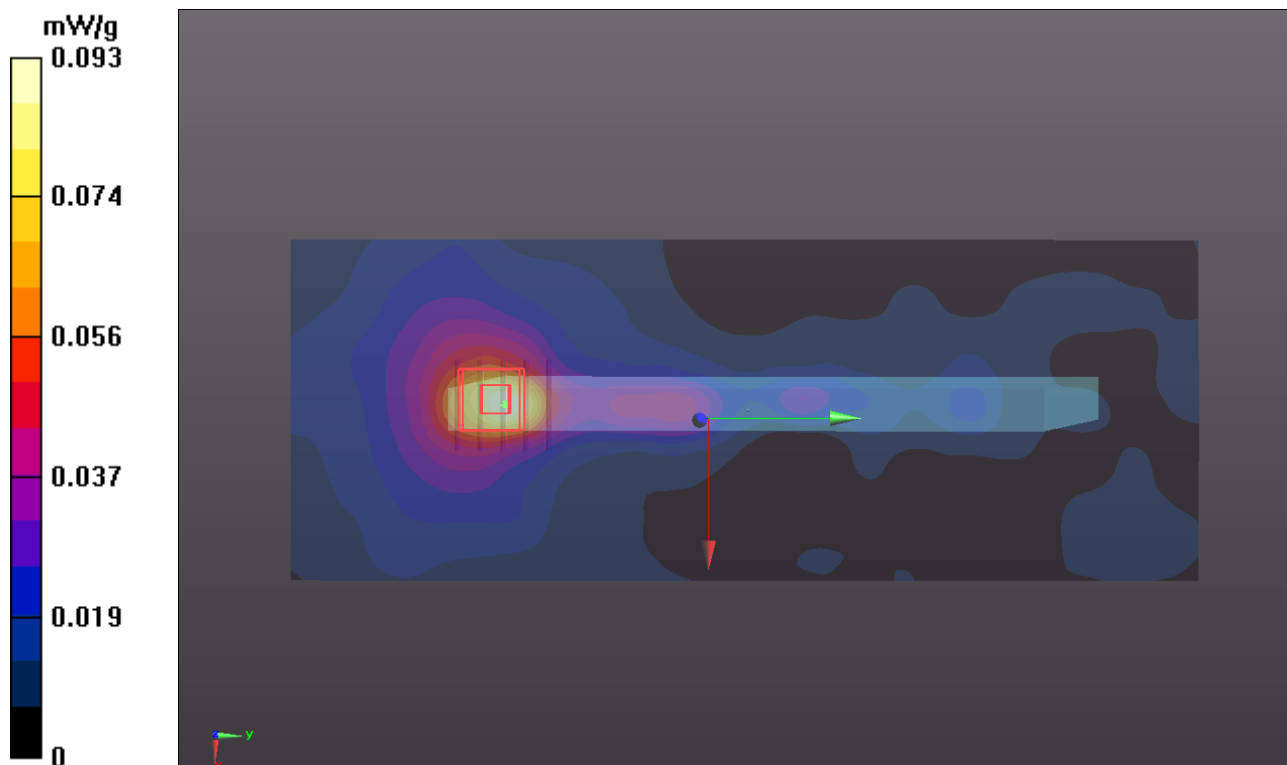
**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.837 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.1400

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.034 mW/g**

Maximum value of SAR (measured) = 0.100 mW/g



### P45 802.11a\_Primary Landscape\_0cm\_Ch1

**DUT: 111221C04**

Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450\_0305 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.928$  mho/m;  $\epsilon_r = 51.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch1/Area Scan (61x171x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.258 mW/g

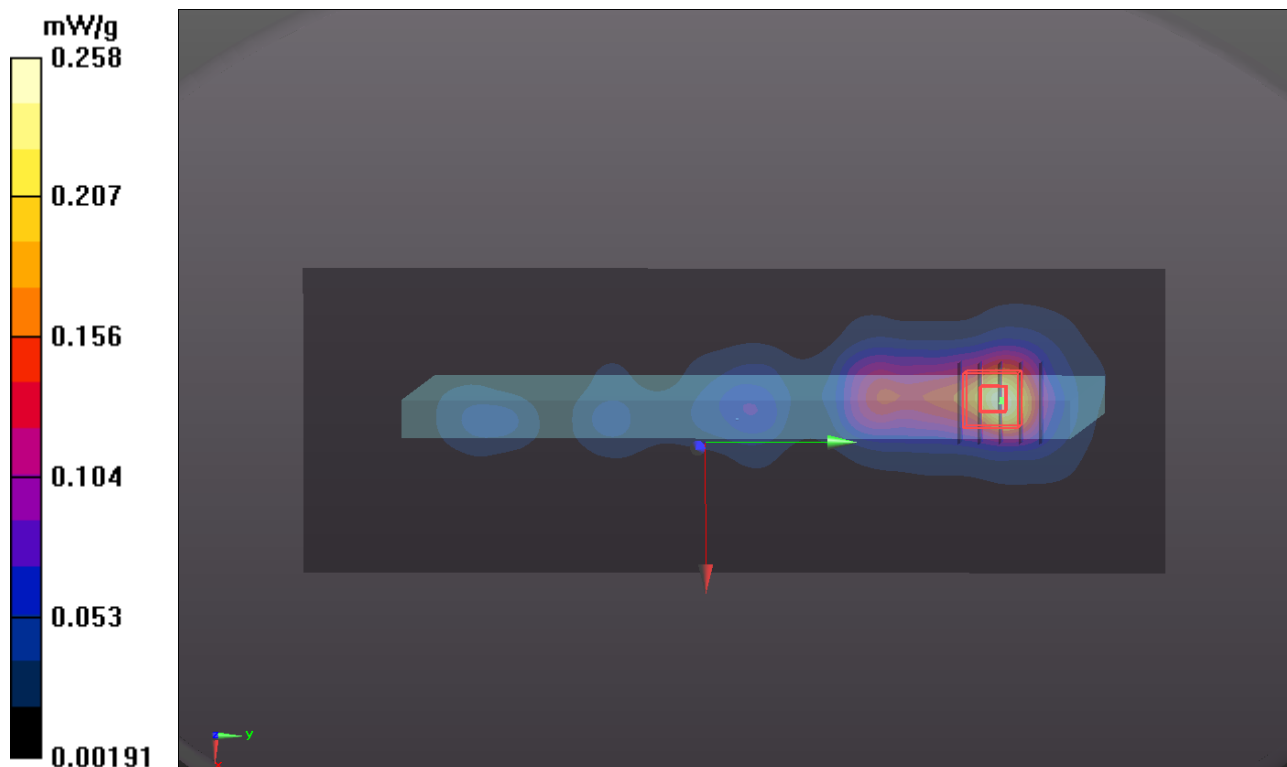
**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.768 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.5140

**SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.118 mW/g**

Maximum value of SAR (measured) = 0.370 mW/g



### P46 802.11a\_Rear Face\_0cm\_Ch36

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: B5G\_0303 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.211$  mho/m;  $\epsilon_r = 49.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch36/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.377 mW/g

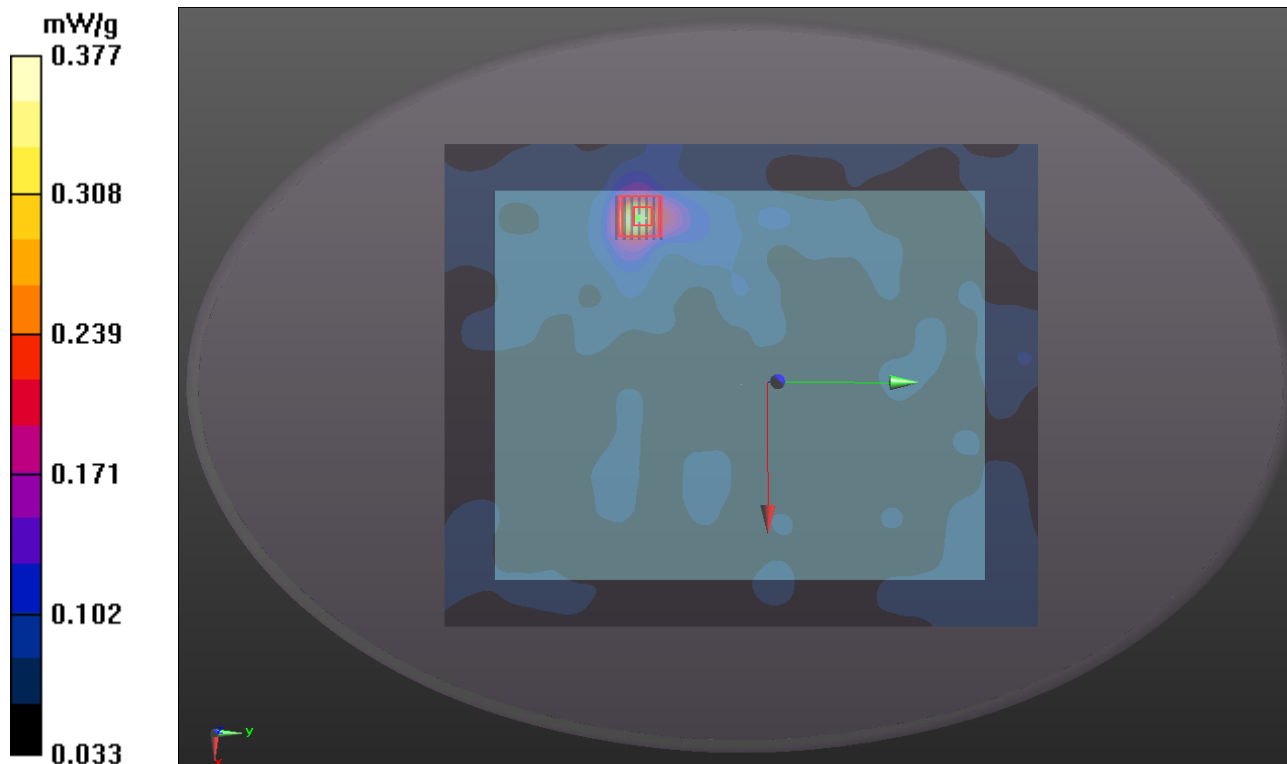
**Ch36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.155 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.8230

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.454 mW/g



### P47 802.11a\_Primary Portrait\_0cm\_Ch36

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: B5G\_0303 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.211$  mho/m;  $\epsilon_r = 49.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch36/Area Scan (121x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.029 mW/g

**Ch36/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.223 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.1150

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00999 mW/g**

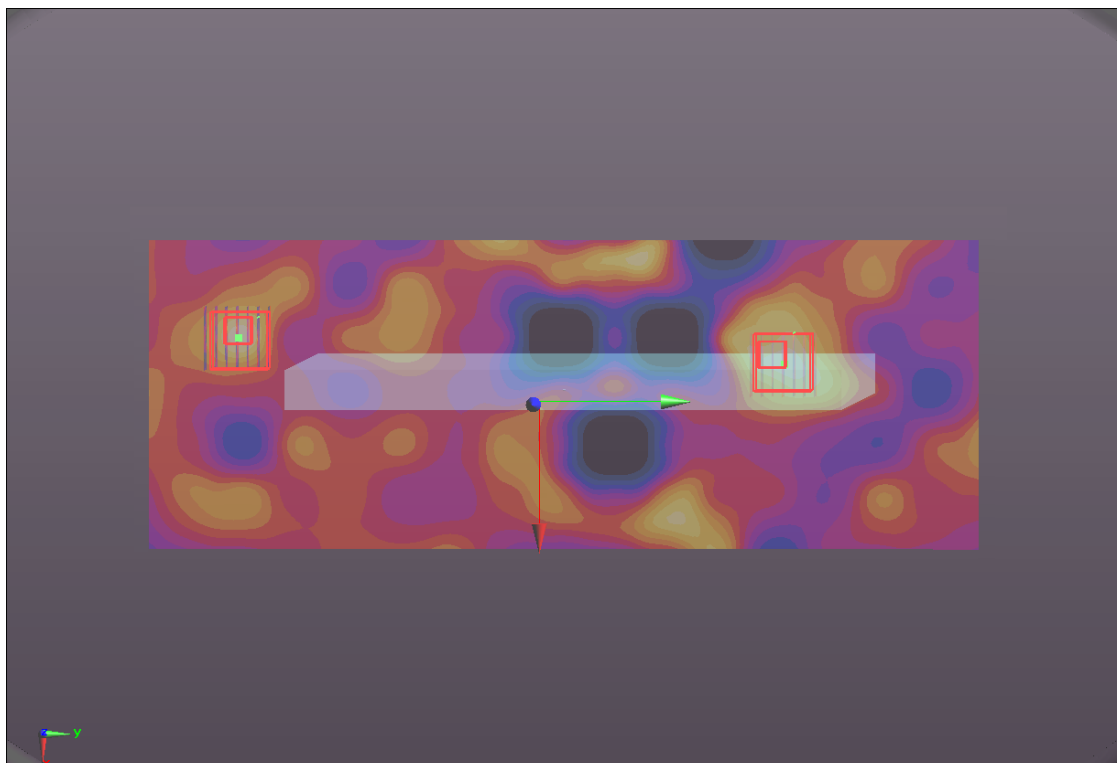
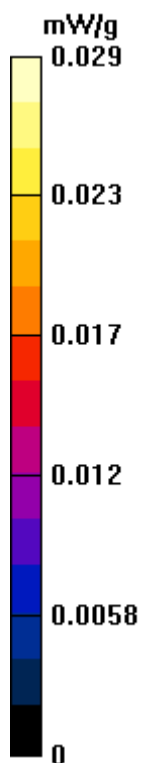
Maximum value of SAR (measured) = 0.023 mW/g

**Ch36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.223 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.0620

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00812 mW/g**



### P48 802.11a\_Primary Landscape\_0cm\_Ch36

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: B5G\_0303 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.211$  mho/m;  $\epsilon_r = 49.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch36/Area Scan (121x341x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.235 mW/g

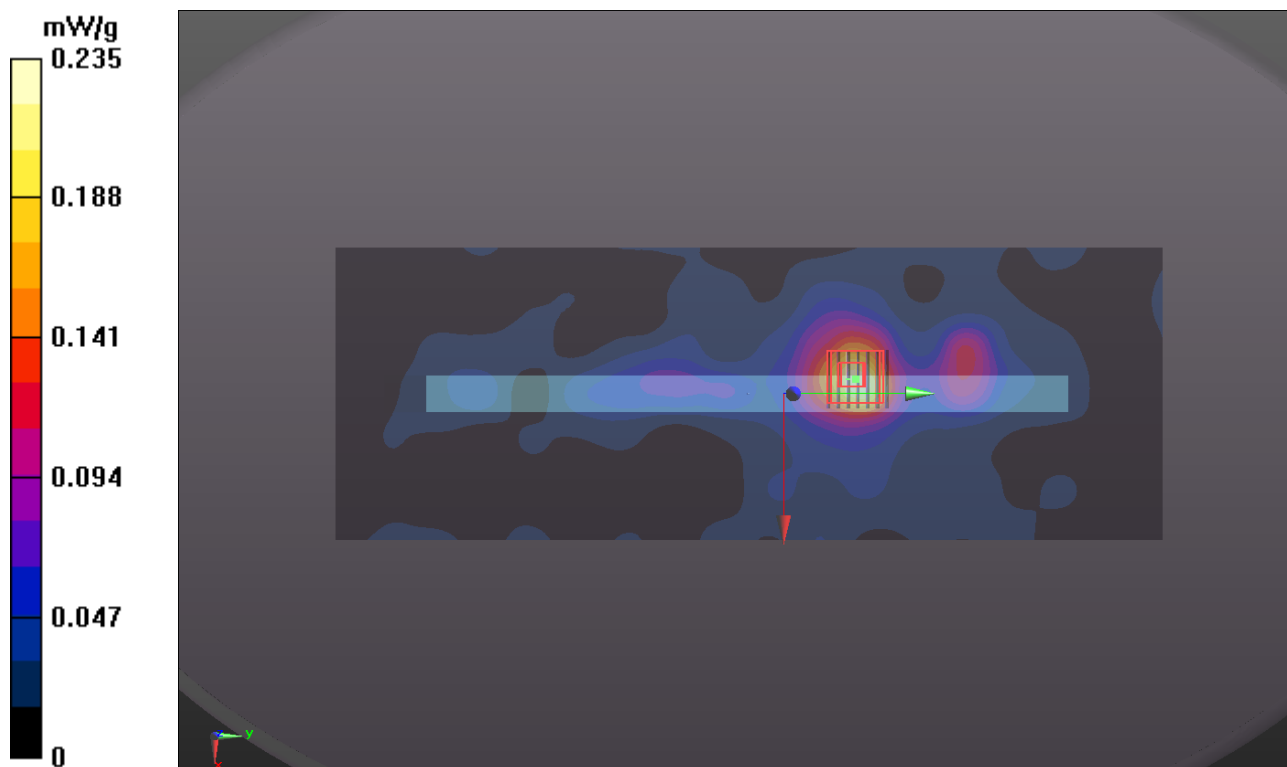
**Ch36/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.926 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.6260

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.346 mW/g



### P49 802.11n\_HT20\_Rear Face\_0cm\_Ch40

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.227$  mho/m;  $\epsilon_r = 49.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch40/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.458 mW/g

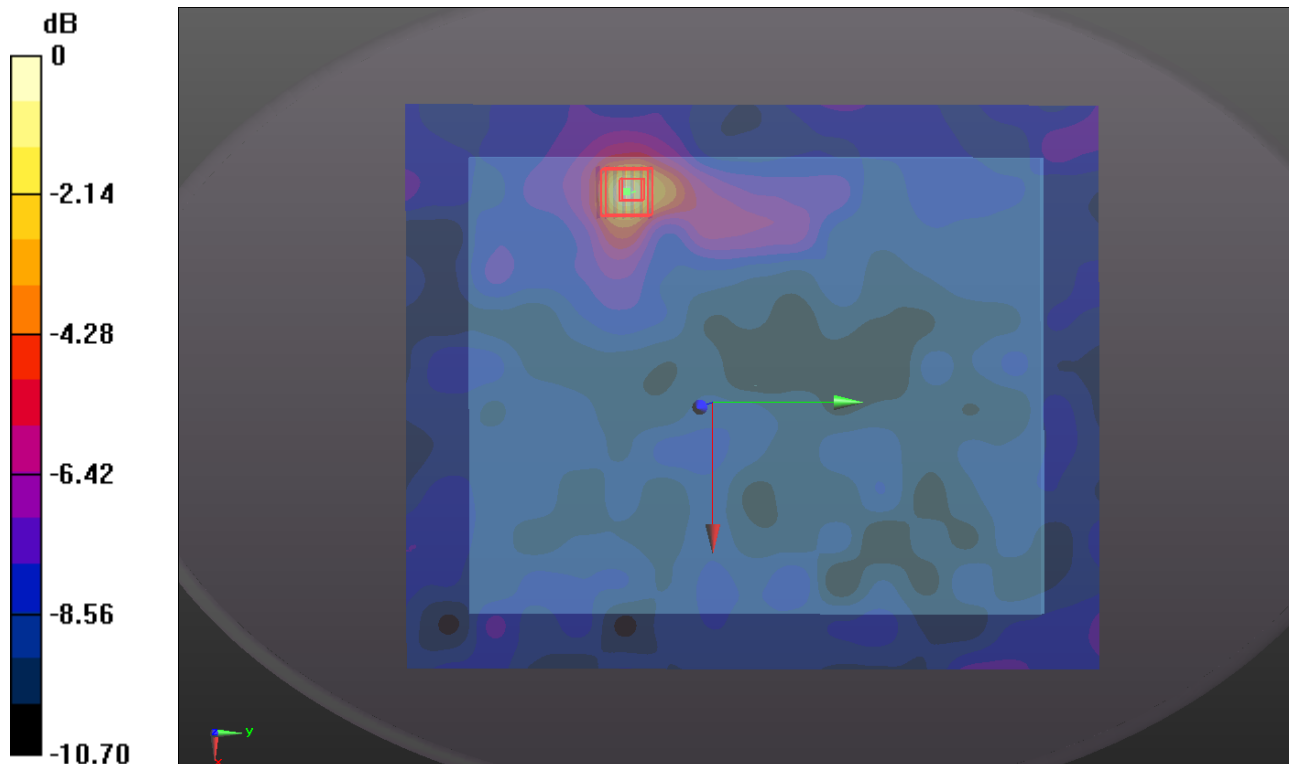
**Ch40/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.593 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.9360

**SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 0.513 mW/g



### P50 802.11n\_HT40\_Rear Face\_0cm\_Ch38

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5190$  MHz;  $\sigma = 5.215$  mho/m;  $\epsilon_r = 49.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch38/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.591 mW/g

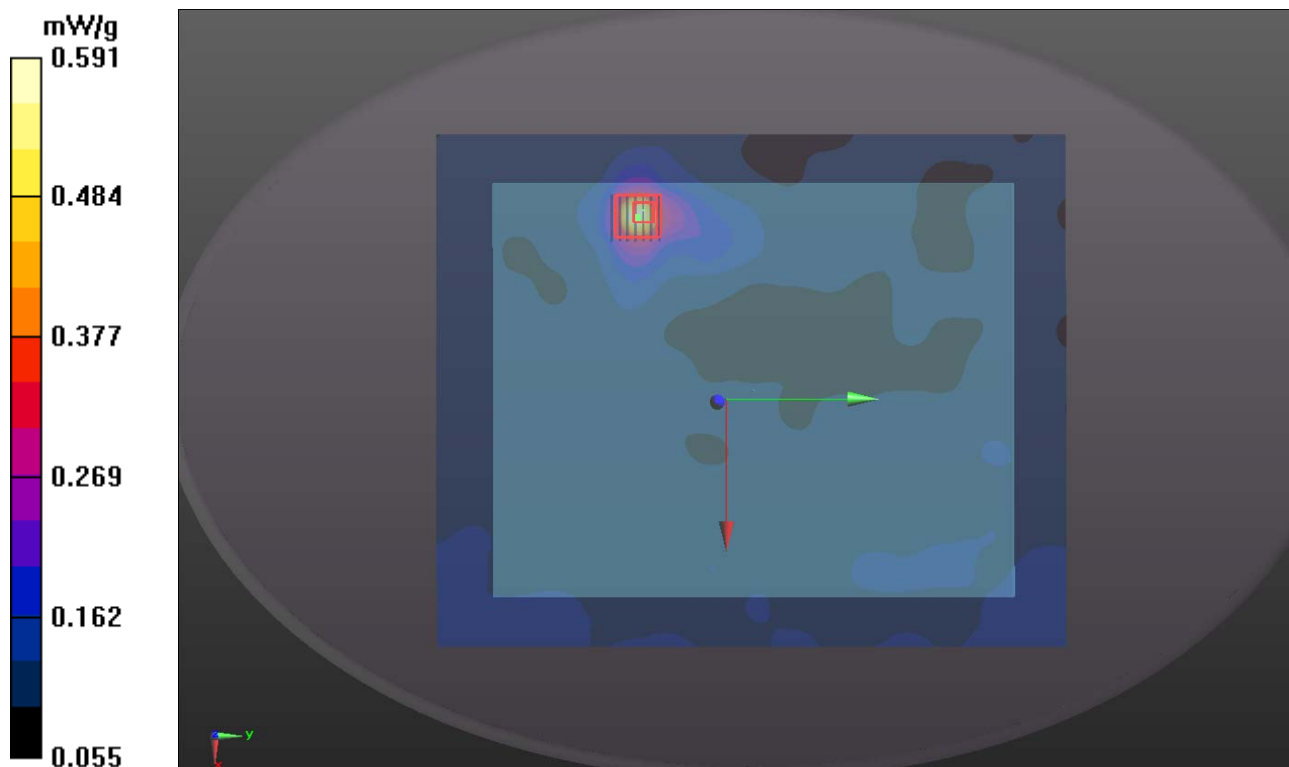
**Ch38/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.027 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.1550

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.199 mW/g**

Maximum value of SAR (measured) = 0.686 mW/g



### P51 802.11a\_Rear Face\_0cm\_Ch56

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium: B5G\_0303 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.371$  mho/m;  $\epsilon_r = 49.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch56/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

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

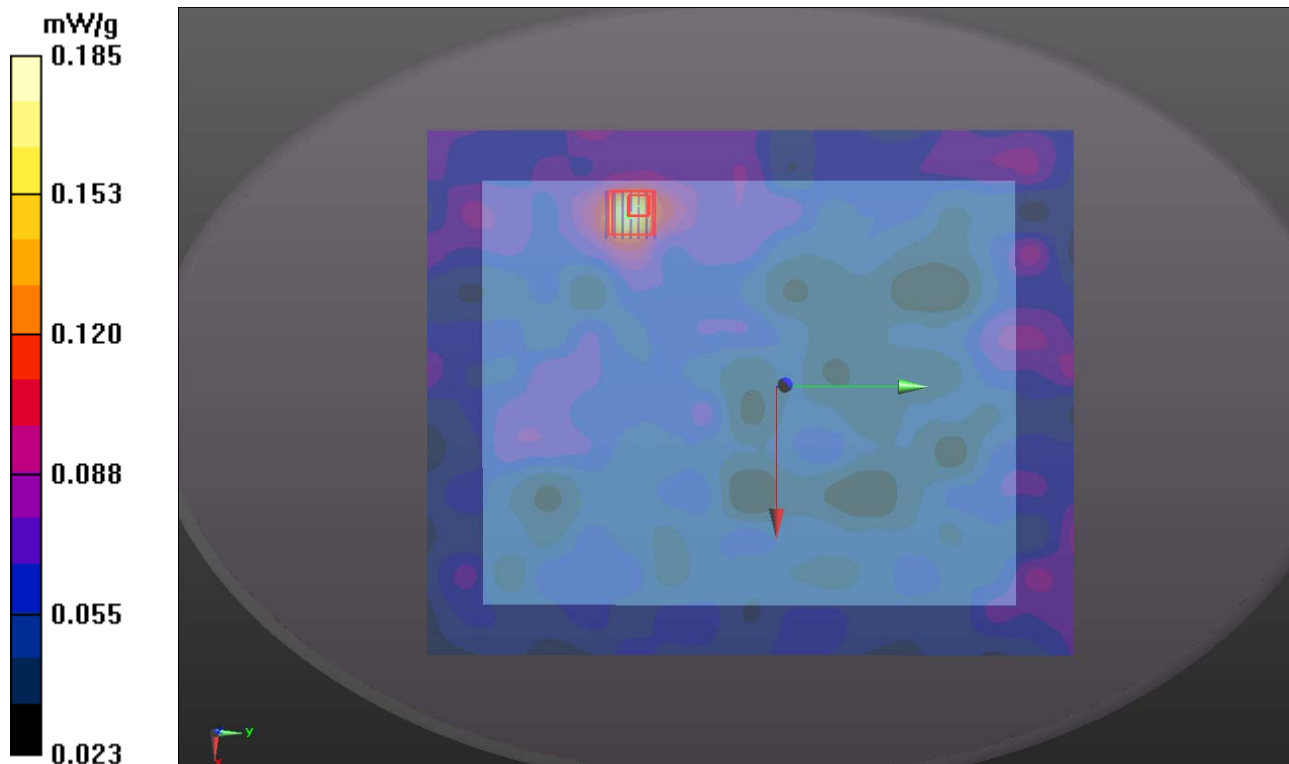
**Ch56/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.859 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.3240

**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.085 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g



## P52 802.11a\_Primary Portrait\_0cm\_Ch56

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.361$  mho/m;  $\epsilon_r = 49.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch56/Area Scan (141x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.036 mW/g

**Ch56/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.566 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.1020

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.034 mW/g

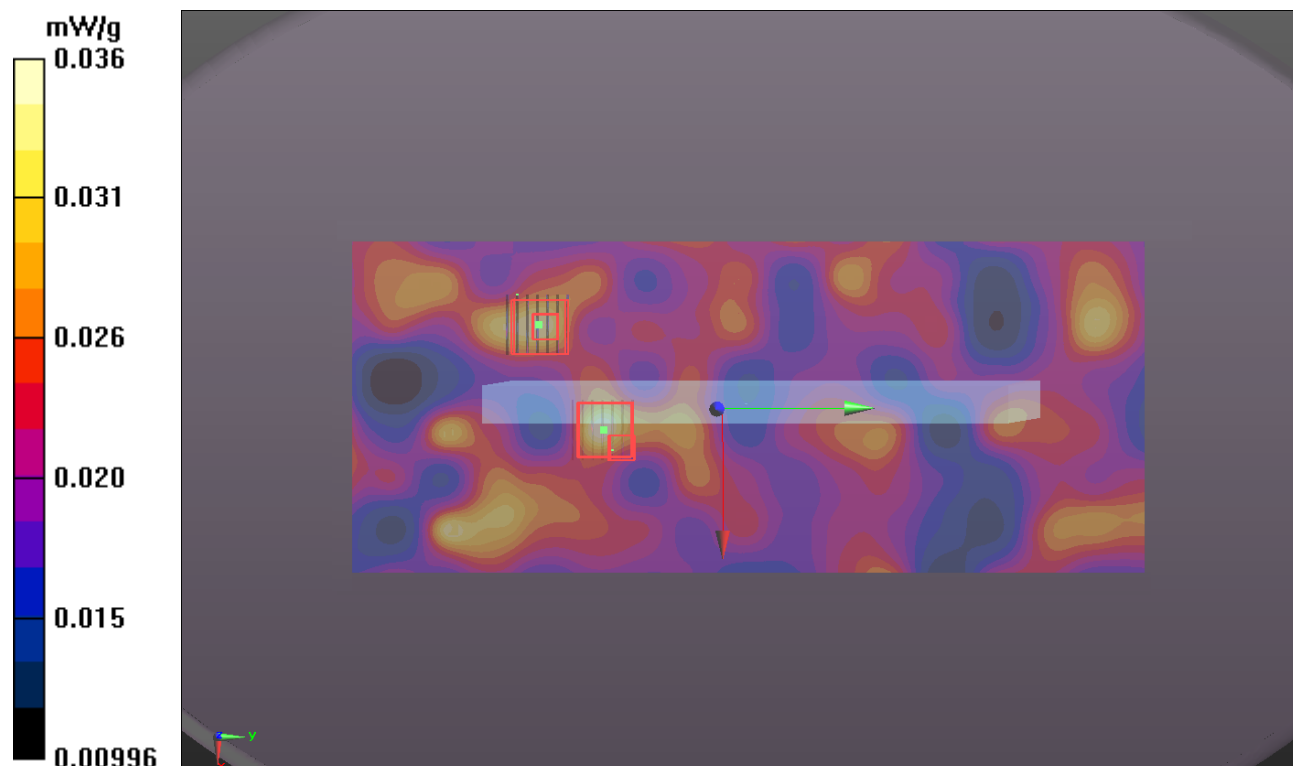
**Ch56/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.566 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.1090

**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00974 mW/g**

Maximum value of SAR (measured) = 0.027 mW/g



### P53 802.11a\_Primary Landscape\_0cm\_Ch56

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.361$  mho/m;  $\epsilon_r = 49.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch56/Area Scan (141x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.296 mW/g

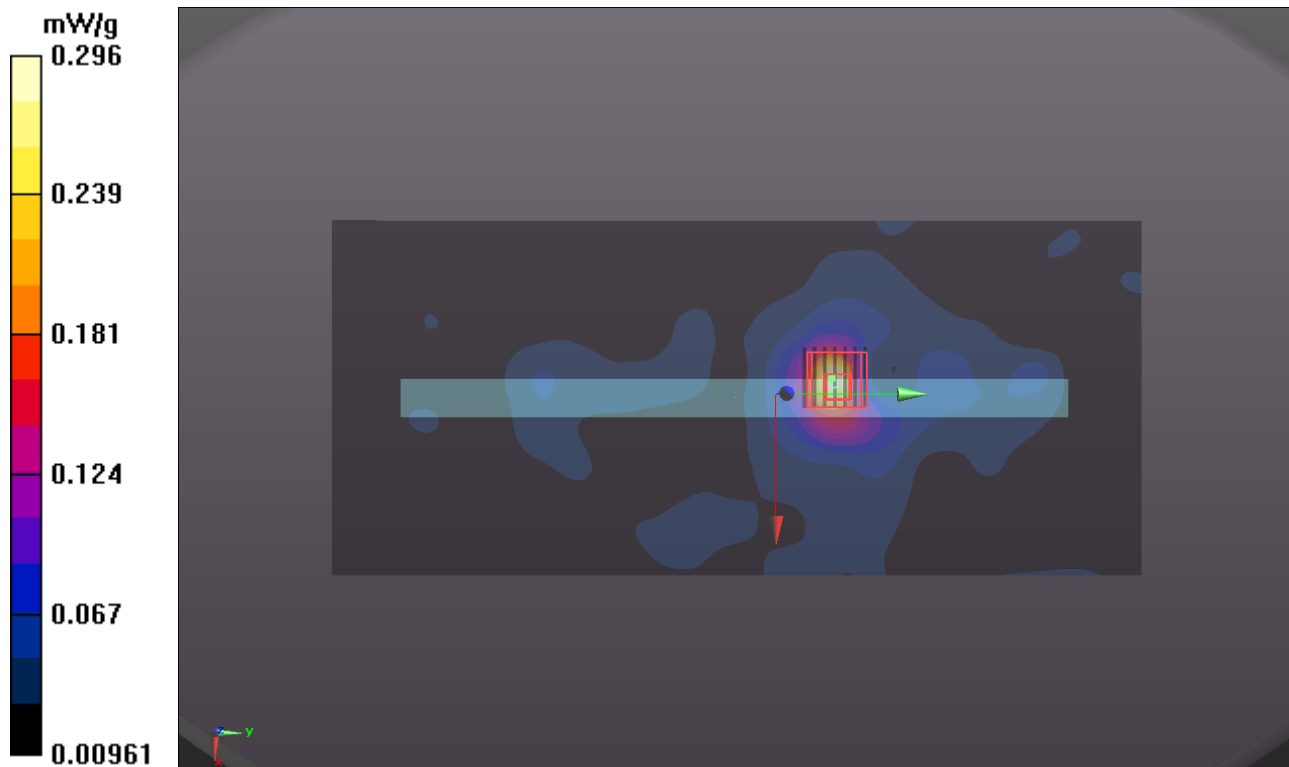
**Ch56/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.145 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 0.5340

**SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.066 mW/g**

Maximum value of SAR (measured) = 0.314 mW/g



### P54 802.11n\_HT20\_Primary Landscape\_0cm\_Ch56

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5280 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5280$  MHz;  $\sigma = 5.361$  mho/m;  $\epsilon_r = 49.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch56/Area Scan (121x341x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.347 mW/g

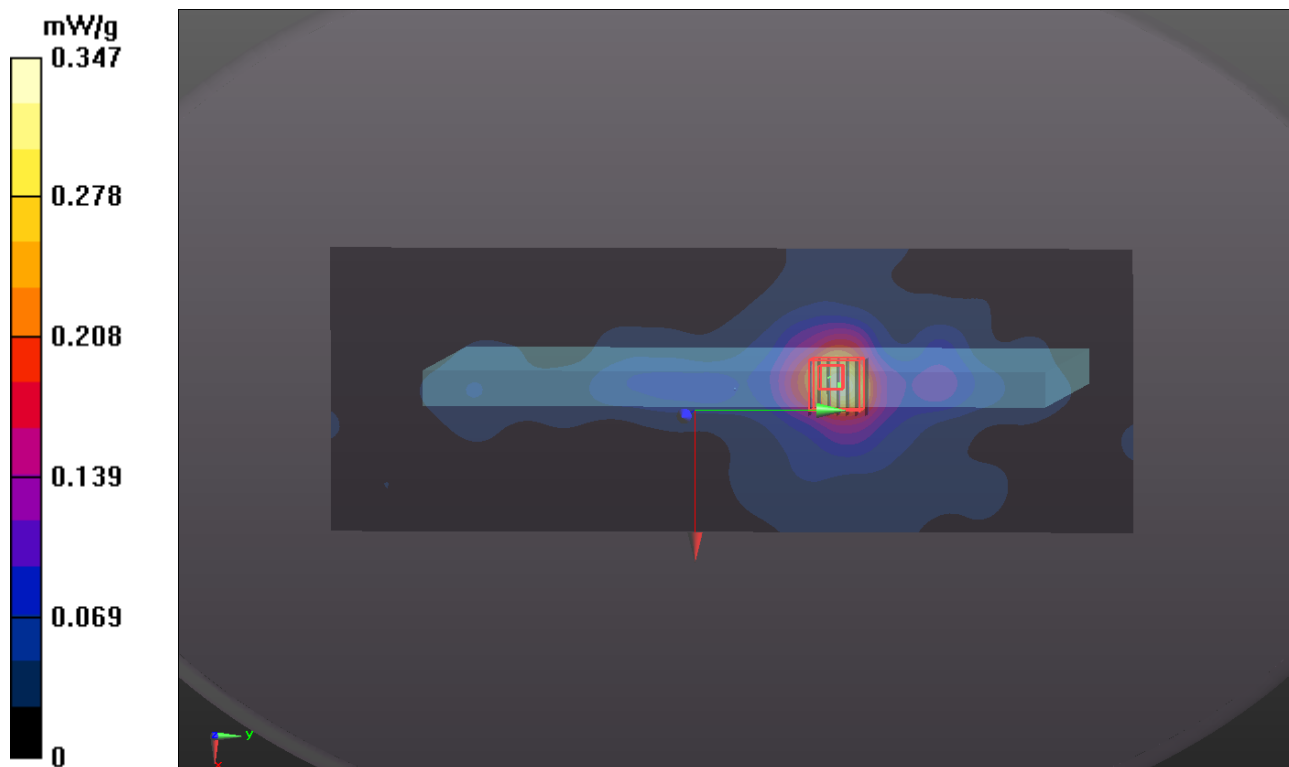
**Ch56/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.779 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.7690

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.454 mW/g



## P55 802.11n\_HT40\_Primary Landscape\_0cm\_Ch62

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5310 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 5.393$  mho/m;  $\epsilon_r = 49.231$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.11, 4.11, 4.11); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch62/Area Scan (121x341x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.324 mW/g

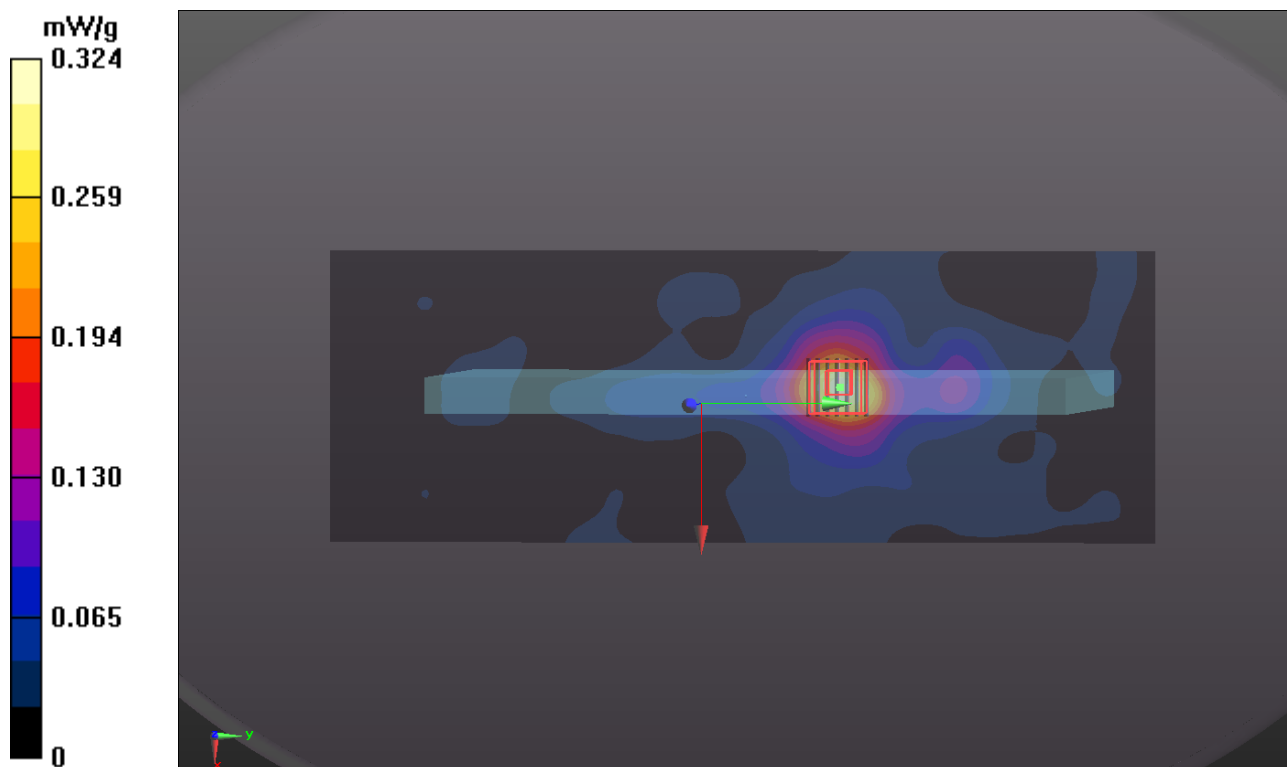
**Ch62/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.254 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.7390

**SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.093 mW/g**

Maximum value of SAR (measured) = 0.430 mW/g



### P56 802.11a\_Rear Face\_0cm\_Ch112

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 5.773$  mho/m;  $\epsilon_r = 48.754$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.57, 3.57, 3.57); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch112/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.392 mW/g

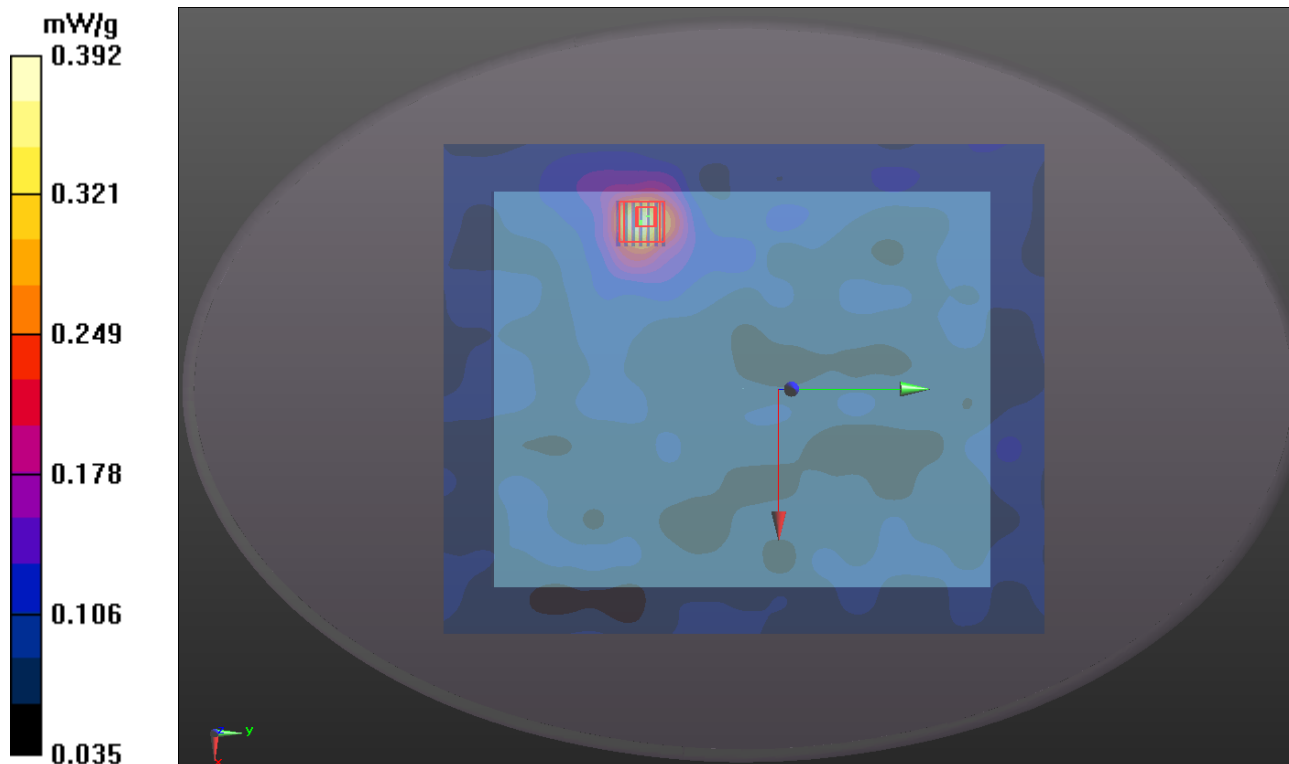
**Ch112/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.776 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.1530

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.178 mW/g**

Maximum value of SAR (measured) = 0.609 mW/g



## P57 802.11a\_Primary Portrait\_0cm\_Ch112

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 5.773$  mho/m;  $\epsilon_r = 48.754$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.57, 3.57, 3.57); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch112/Area Scan (121x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.059 mW/g

**Ch112/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.812 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.2540

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.019 mW/g**

Maximum value of SAR (measured) = 0.086 mW/g

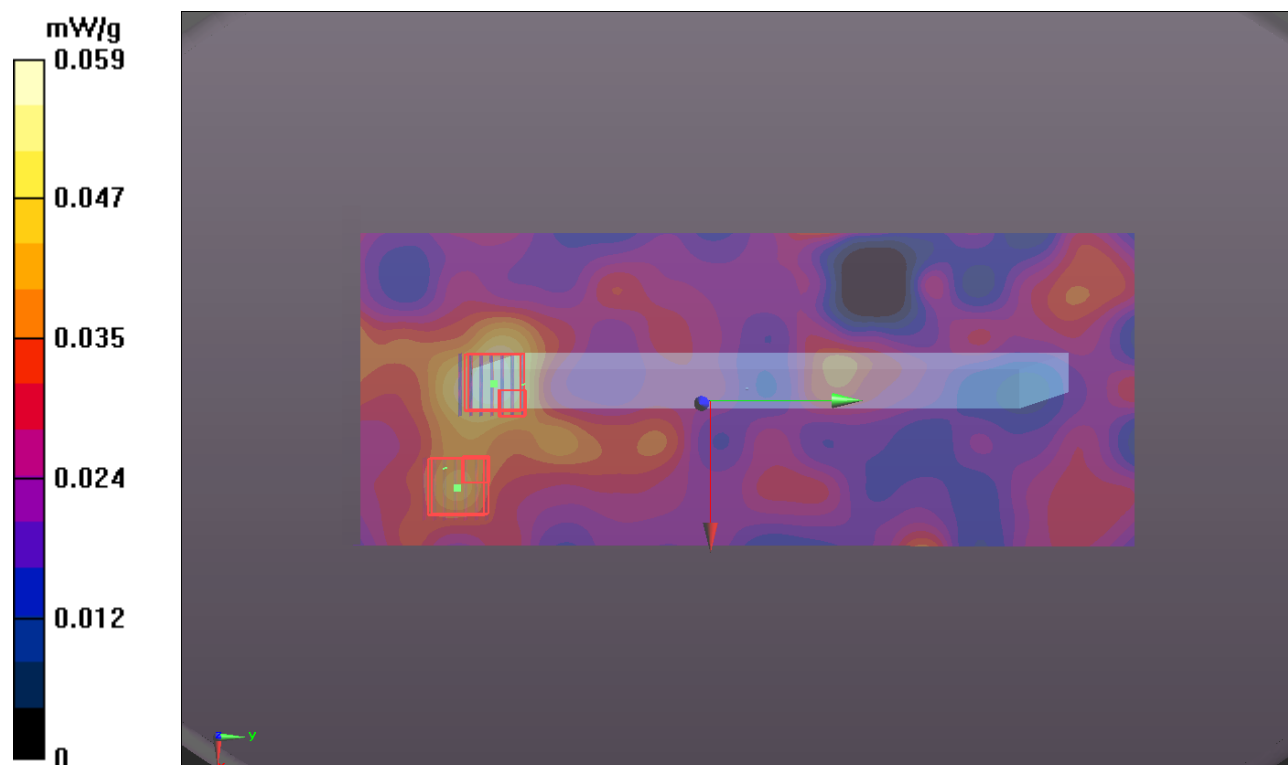
**Ch112/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.812 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.0800

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.046 mW/g



## P58 802.11a\_Primary Landscape\_0cm\_Ch112

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 5.773$  mho/m;  $\epsilon_r = 48.754$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.57, 3.57, 3.57); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch112/Area Scan (121x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.351 mW/g

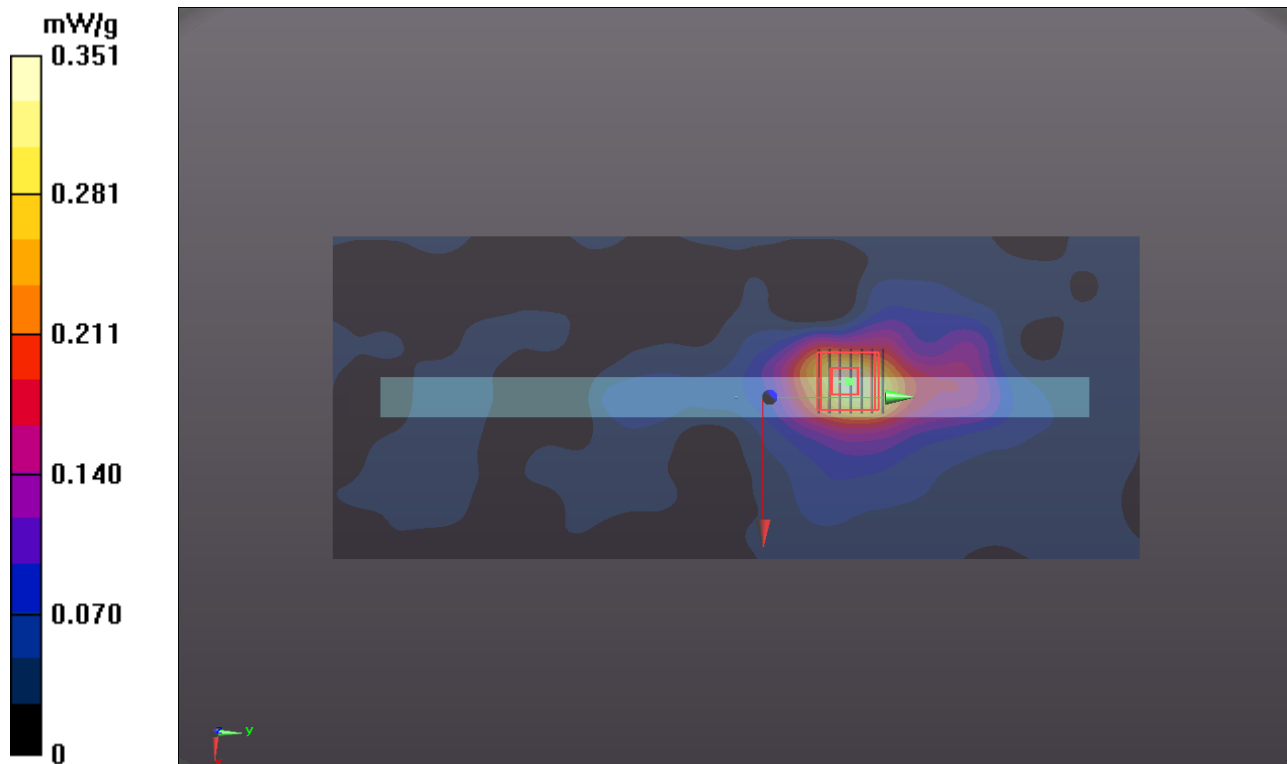
**Ch112/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.029 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.7050

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.408 mW/g



### P59 802.11n\_HT20\_Rear Face\_0cm\_Ch112

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 5.773$  mho/m;  $\epsilon_r = 48.754$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.57, 3.57, 3.57); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch112/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.715 mW/g

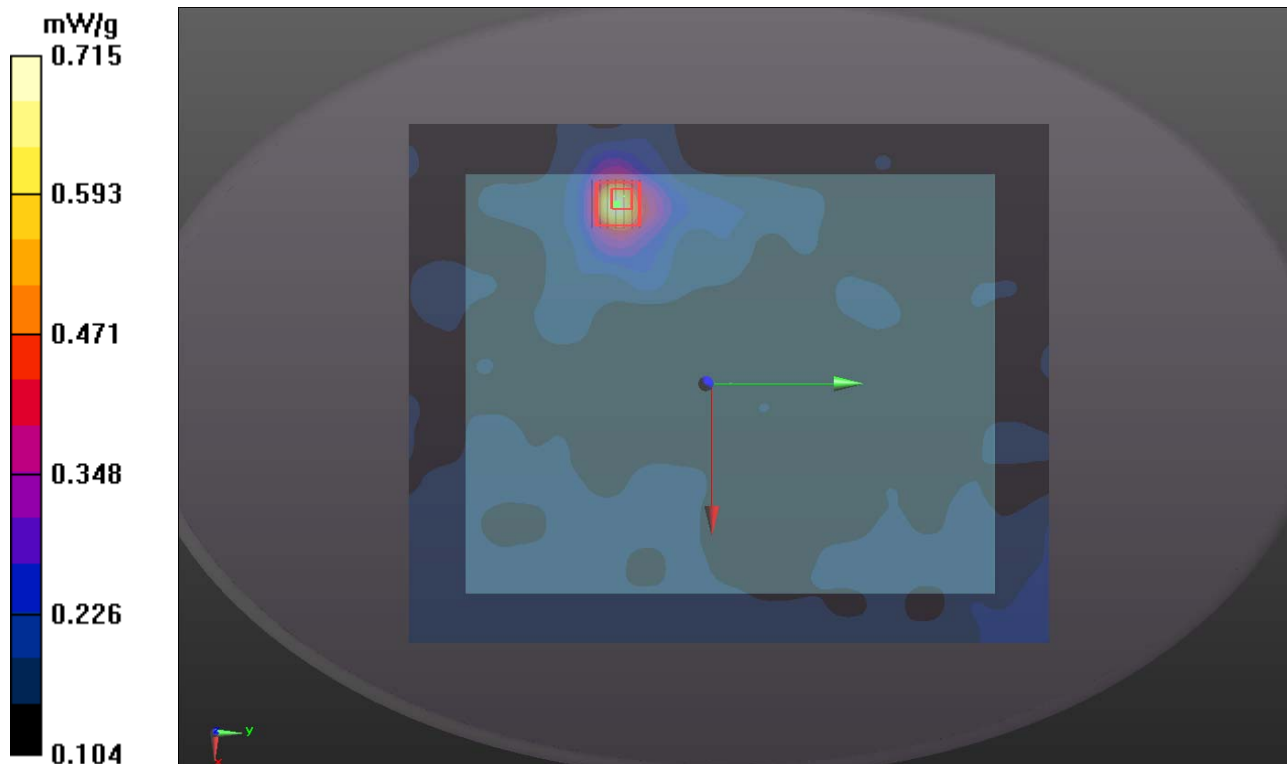
**Ch112/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.756 V/m; Power Drift = -0.15 dB

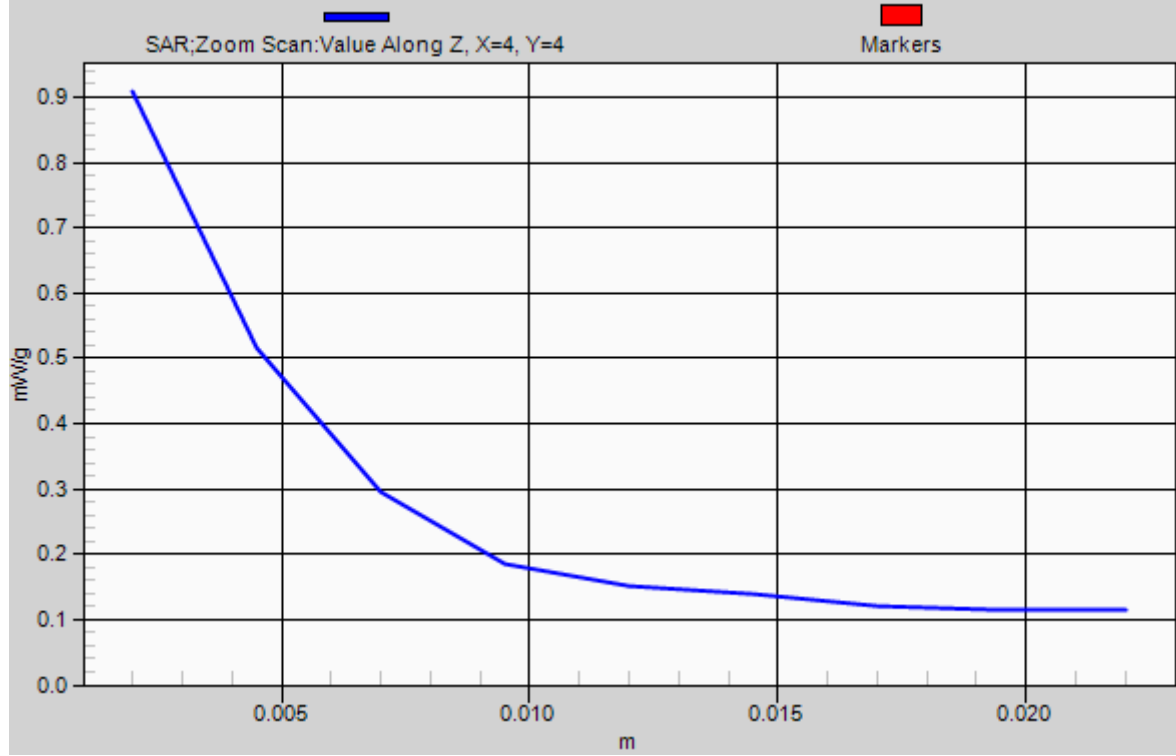
Peak SAR (extrapolated) = 1.6300

**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.262 mW/g**

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



# 1g/10g Averaged SAR



### P60 802.11n\_HT40\_Rear Face\_0cm\_Ch102

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5510 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5510$  MHz;  $\sigma = 5.714$  mho/m;  $\epsilon_r = 48.965$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.73, 3.73, 3.73); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch102/Area Scan (261x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.607 mW/g

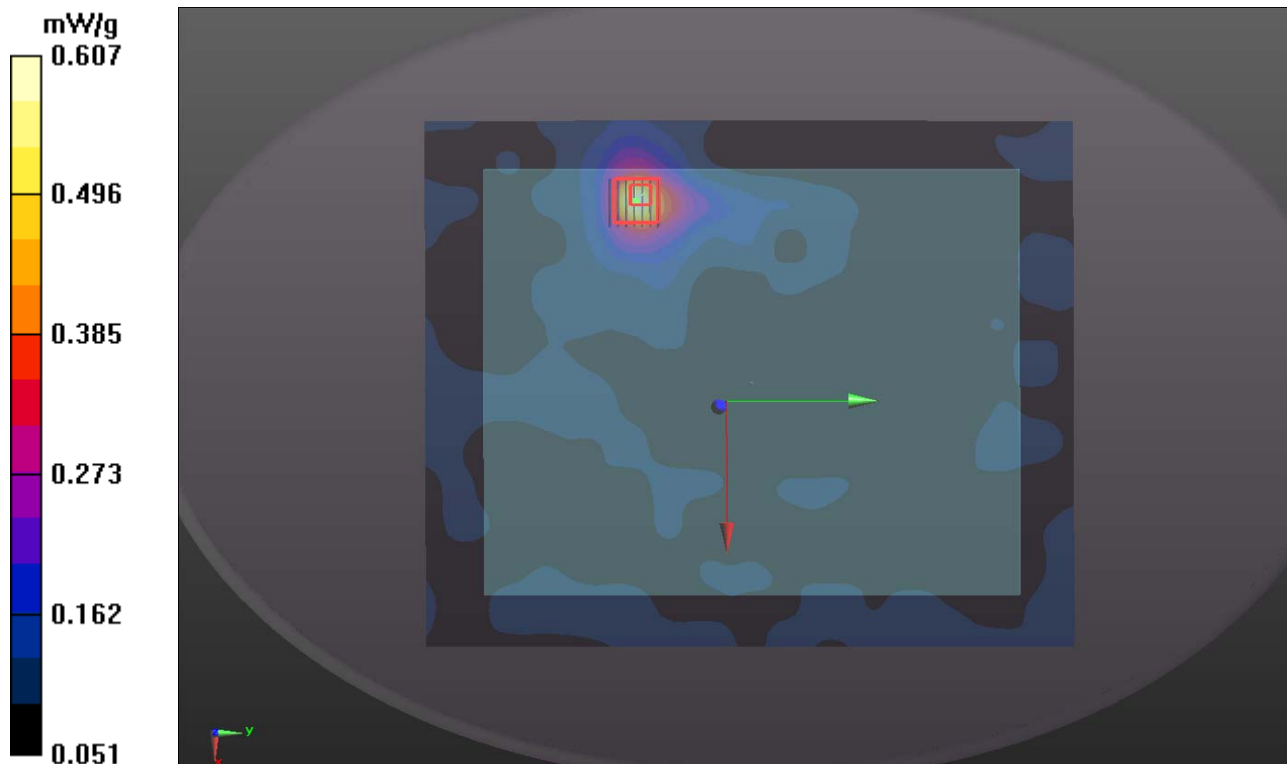
**Ch102/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.919 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.5220

**SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.217 mW/g**

Maximum value of SAR (measured) = 0.872 mW/g



### P61 802.11a\_Rear Face\_0cm\_Ch149

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.158$  mho/m;  $\epsilon_r = 48.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch149/Area Scan (261x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.283 mW/g

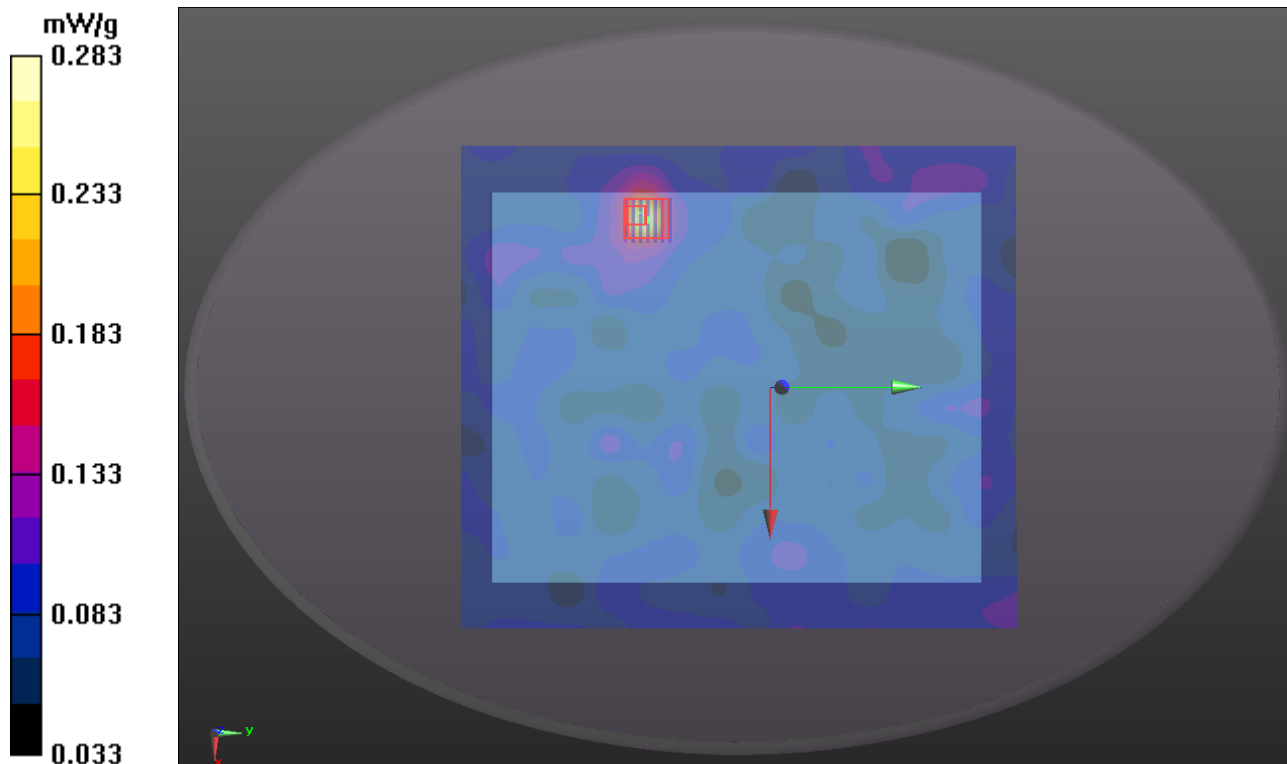
**Ch149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.397 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.6420

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.314 mW/g



## P62 802.11a\_Primary Portrait \_0cm\_Ch149

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.158$  mho/m;  $\epsilon_r = 48.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch149/Area Scan (141x321x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.047 mW/g

**Ch149/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.621 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.1330

**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.038 mW/g

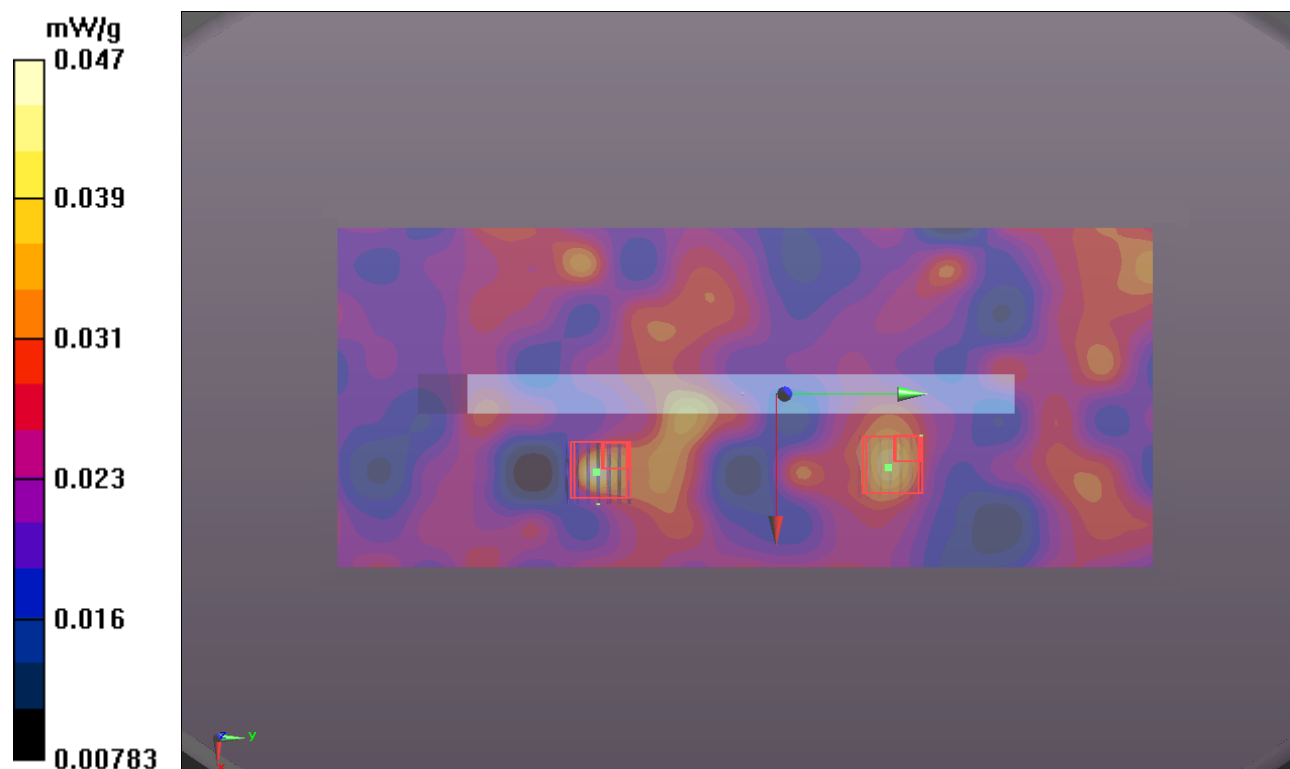
**Ch149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.621 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.1100

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.035 mW/g



### P63 802.11a\_Primary Landscape\_0cm\_Ch149

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.158$  mho/m;  $\epsilon_r = 48.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch149/Area Scan (141x321x1):** Measurement grid: dx=10mm, dy=10mm

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

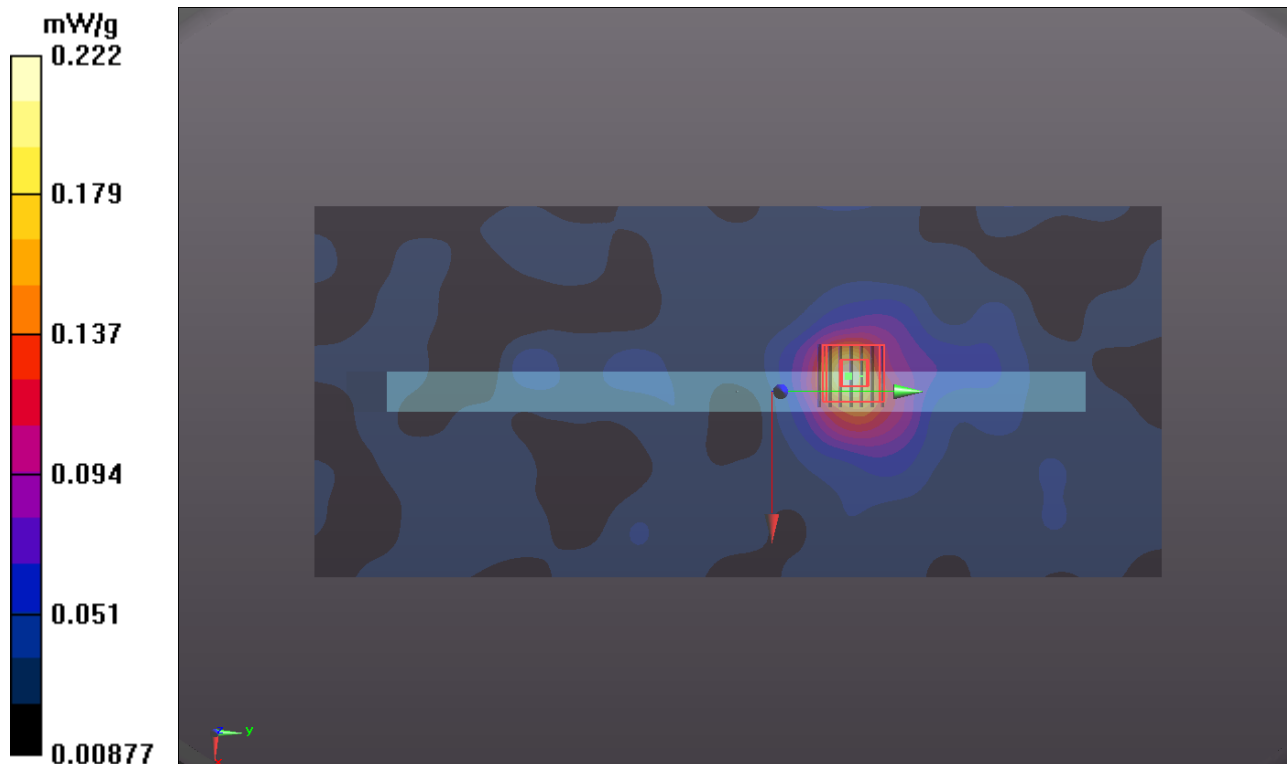
**Ch149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.406 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.5650

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g



### P64 802.11n\_HT20\_Rear Face\_0cm\_Ch149

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.158$  mho/m;  $\epsilon_r = 48.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch149/Area Scan (261x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.362 mW/g

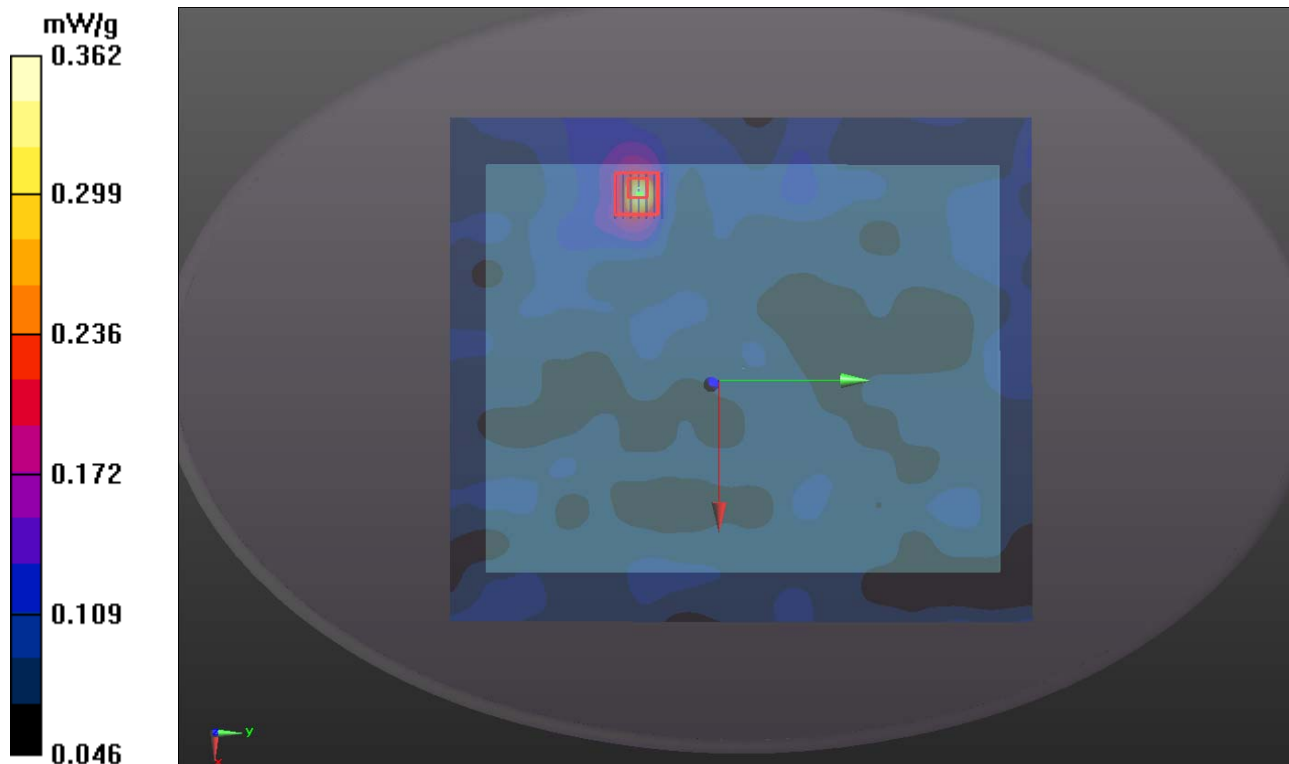
**Ch149/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.639 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.8020

**SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.147 mW/g**

Maximum value of SAR (measured) = 0.440 mW/g



### P65 802.11n\_HT40\_Rear Face\_0cm\_Ch151

**DUT: 111221C04**

Communication System: WLAN\_5G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G\_0305 Medium parameters used:  $f = 5755$  MHz;  $\sigma = 6.177$  mho/m;  $\epsilon_r = 48.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch151/Area Scan (261x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.311 mW/g

**Ch151/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.902 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.9040

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.141 mW/g**

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

