

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: $f = 825$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 55.443$; $\rho = 1000$ kg/m³

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

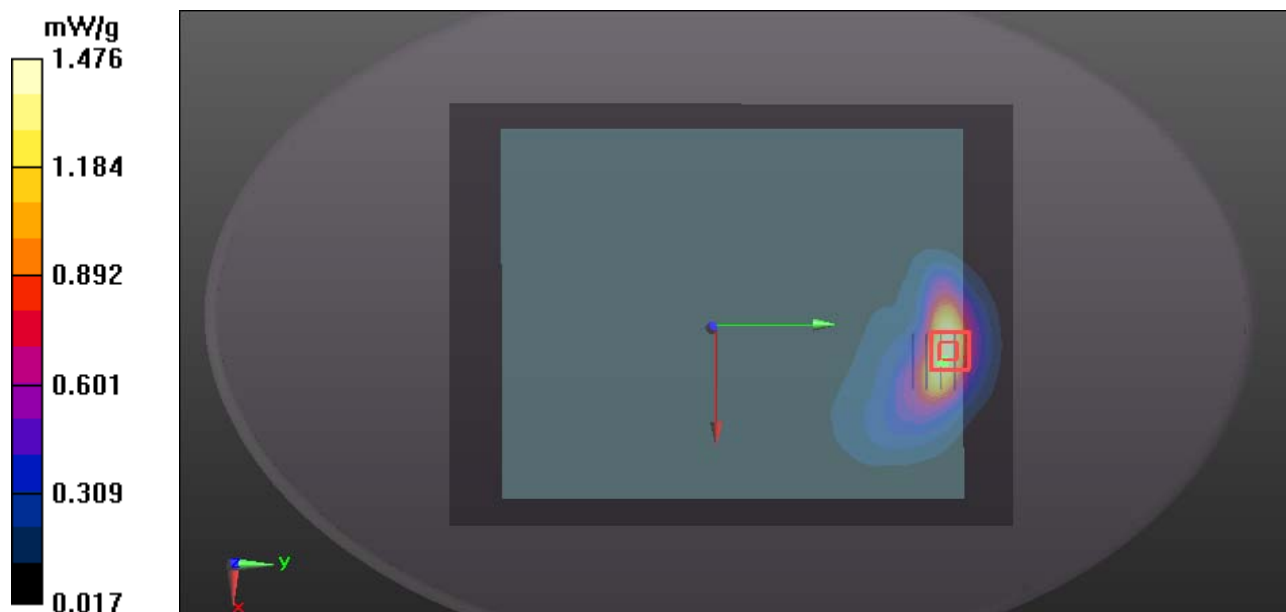
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



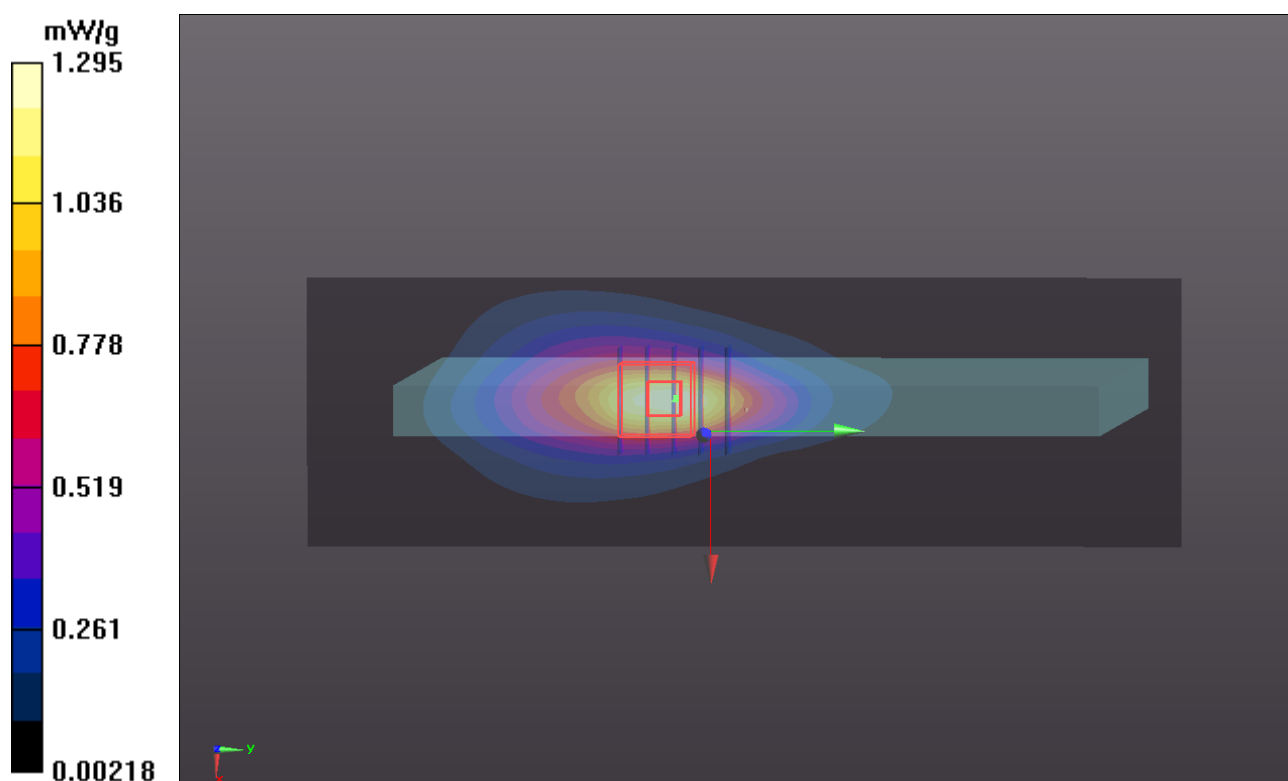
**P02 CDMA2000 BC0_EVDO Rev.0_Secondary Portrait_0cm_Ch1013
_w/ Pw Reduction****DUT: 120309C18**

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^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 (41x131x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 1.295 mW/g **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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/m³

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

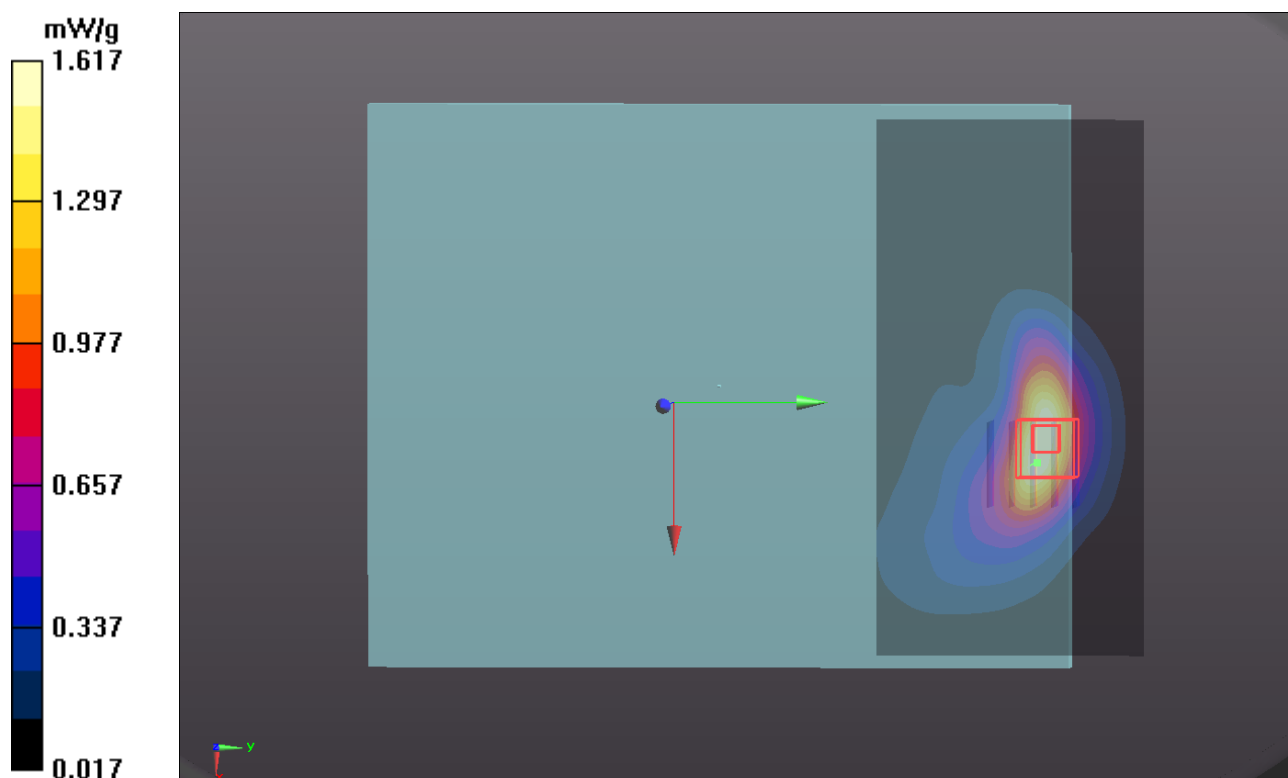
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

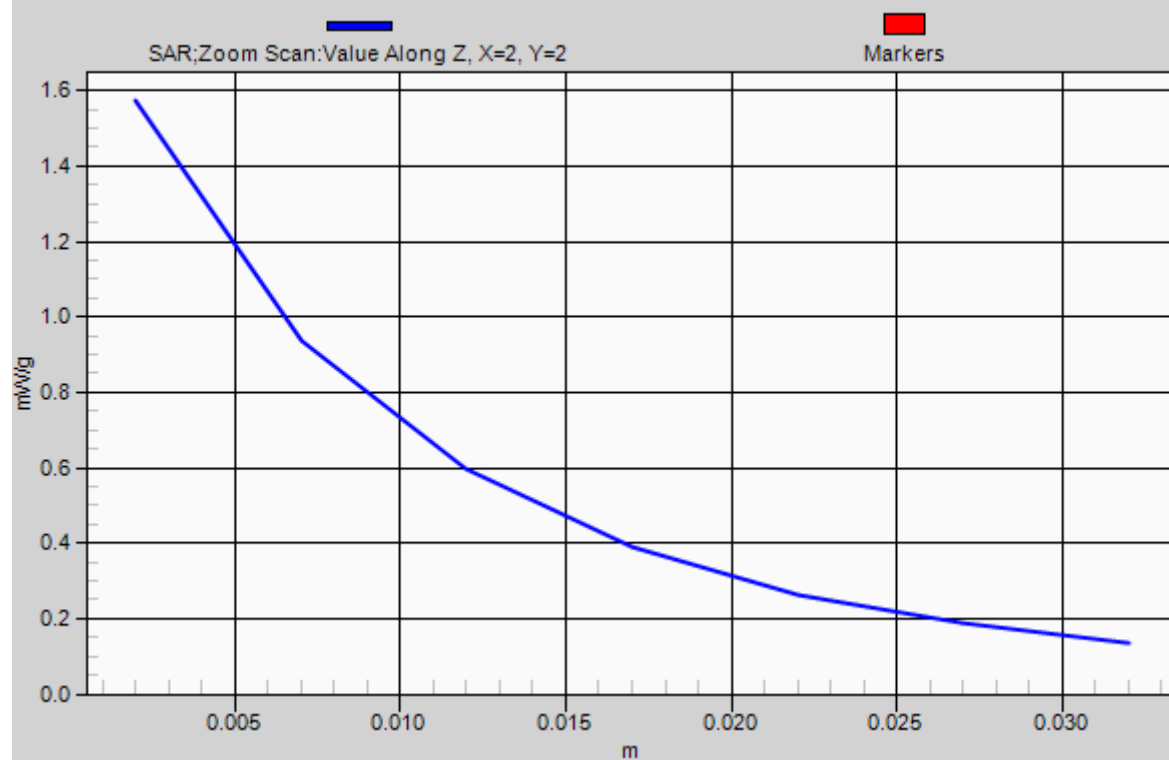
Peak SAR (extrapolated) = 2.0670

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/m³

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

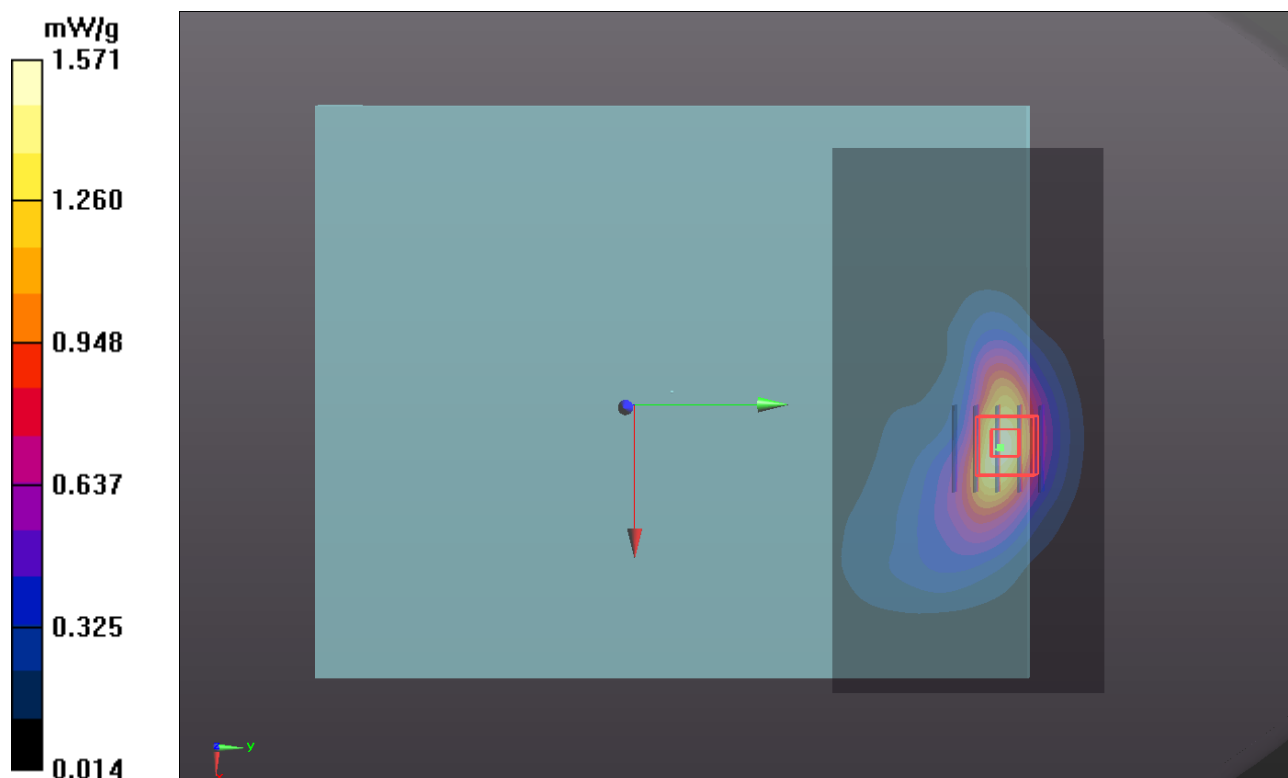
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



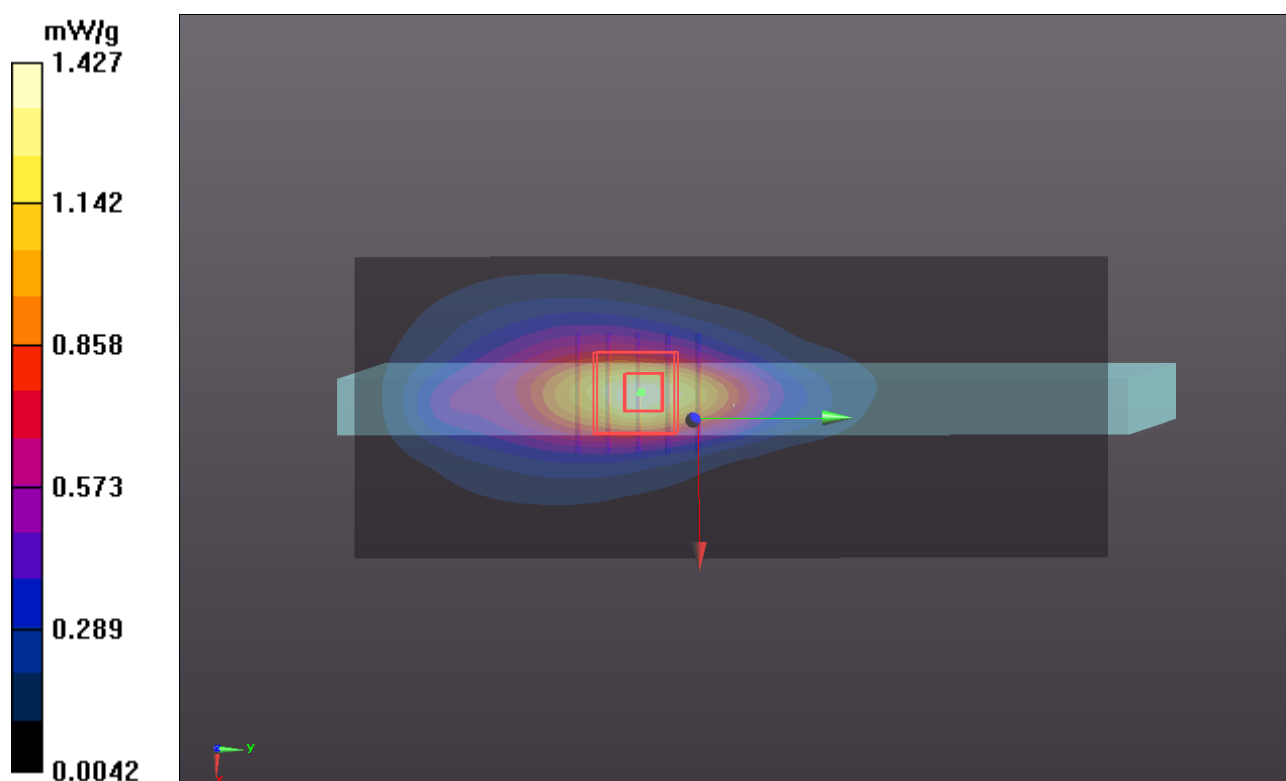
P35 CDMA2000 BC0_EVDO Rev.0_Secondary Portrait_0cm_Ch384_w/ Pw Reduction**DUT: 120309C18**

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^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)

Ch384/Area Scan (41x101x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 1.427 mW/g **Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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**

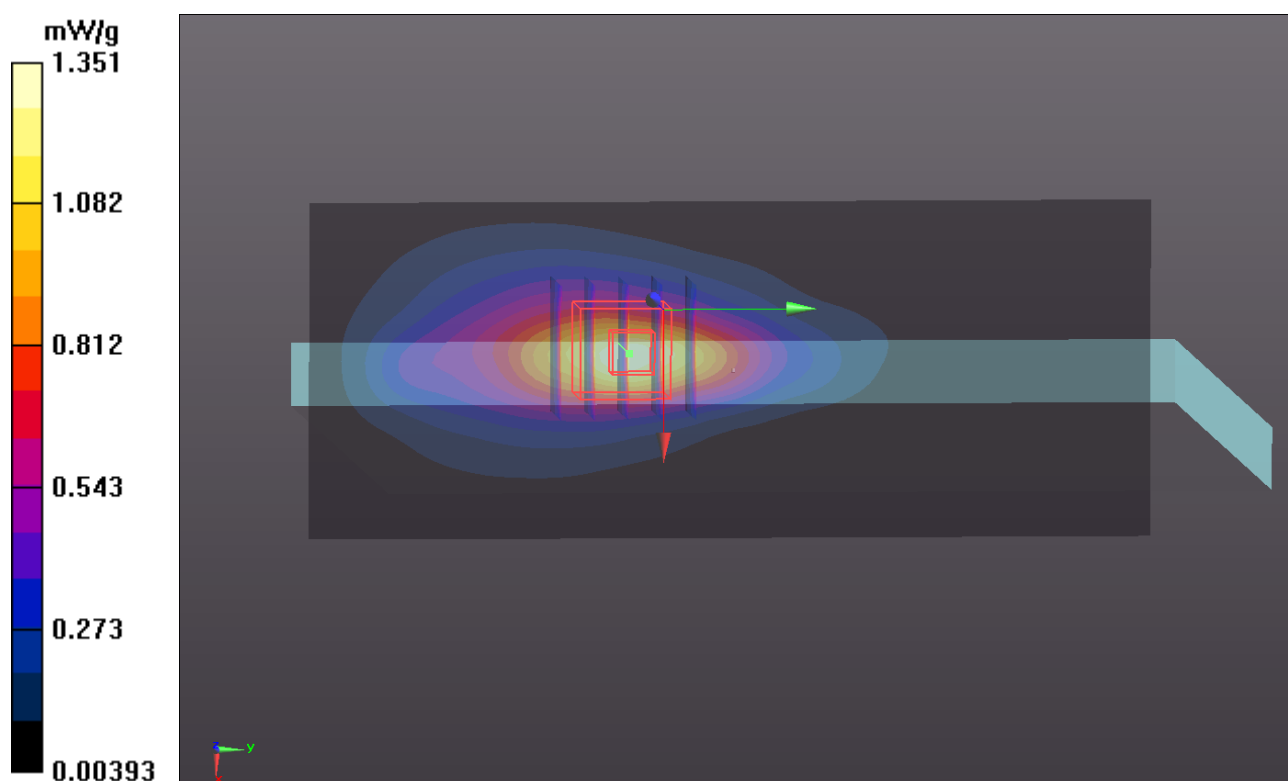
Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium: B835_0406 Medium parameters used: $f = 848.31$ MHz; $\sigma = 1.014$ mho/m; $\epsilon_r = 55.239$; $\rho = 1000$ kg/m³
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

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/m³

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

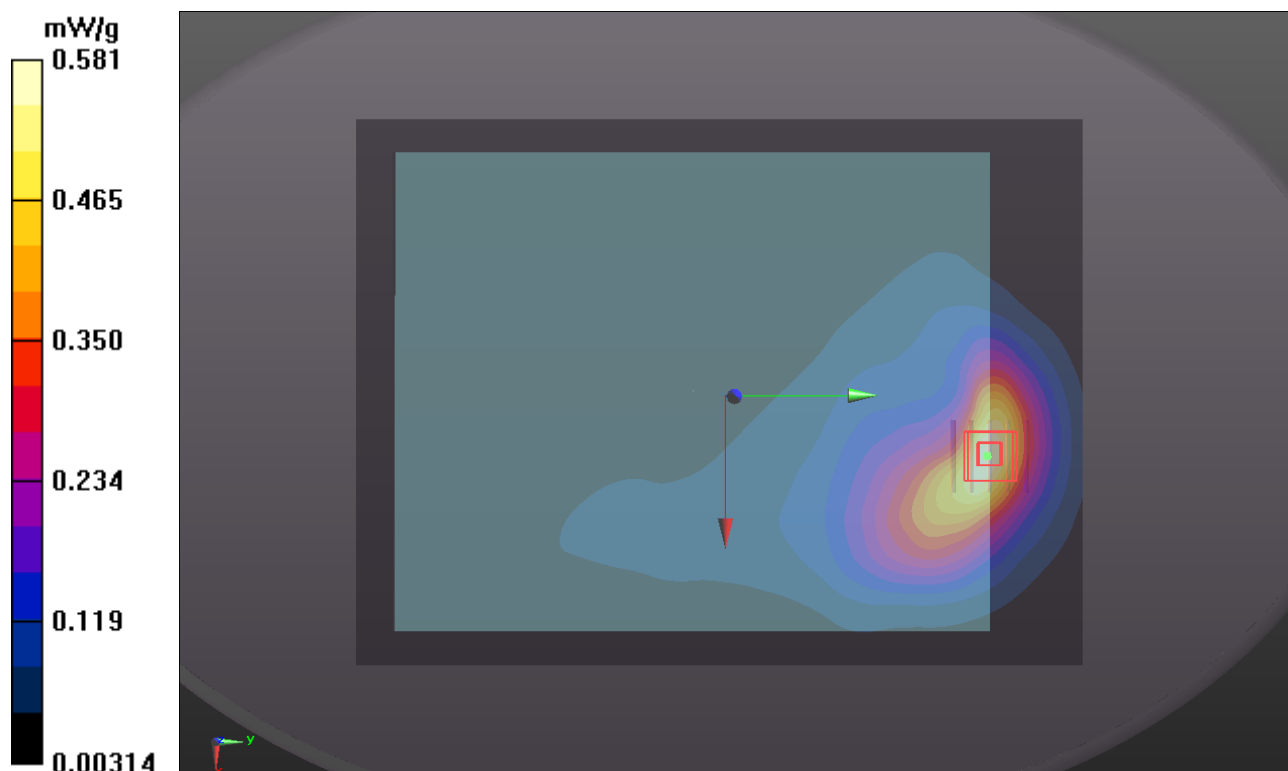
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

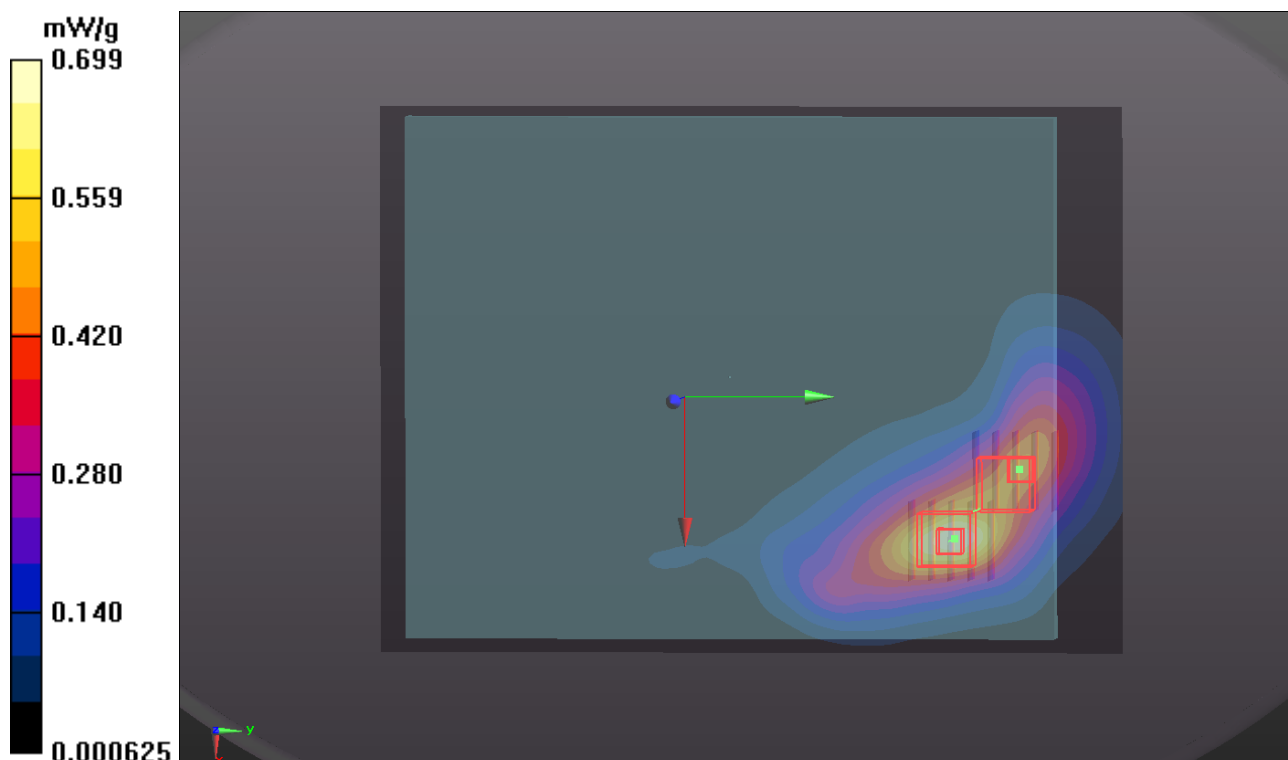
Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

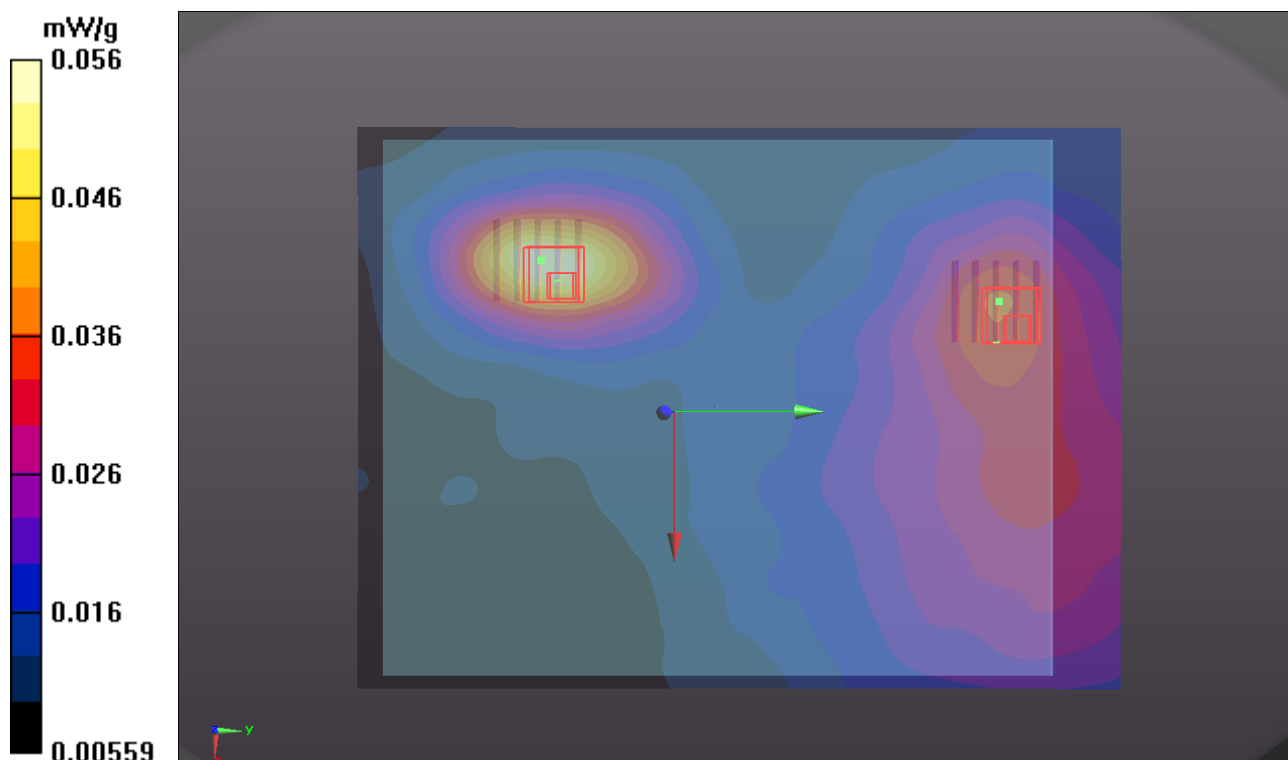
Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



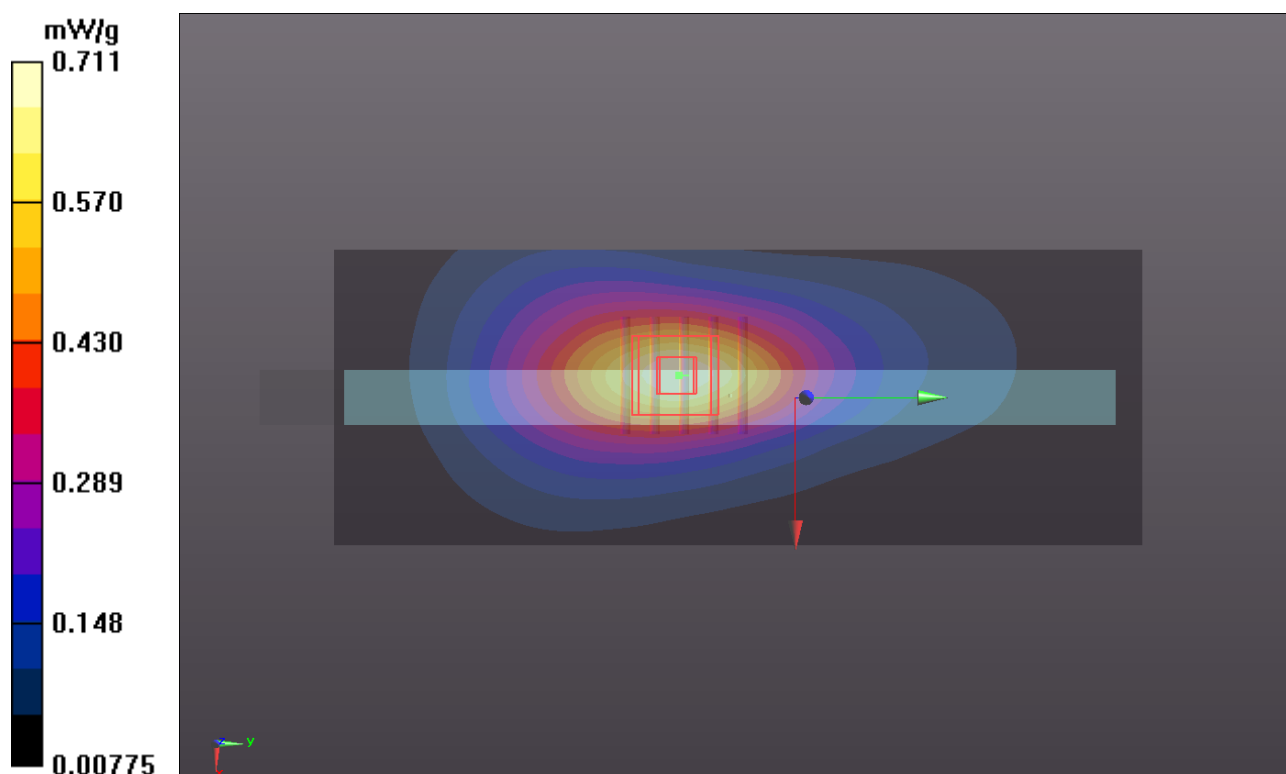
**P67 CDMA2000 BC0_EVDO Rev.0_Secundary Portrait_1.5cm_Ch1013
_w/o Pw Reduction****DUT: 120309C18**

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^3 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.711 mW/g **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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 

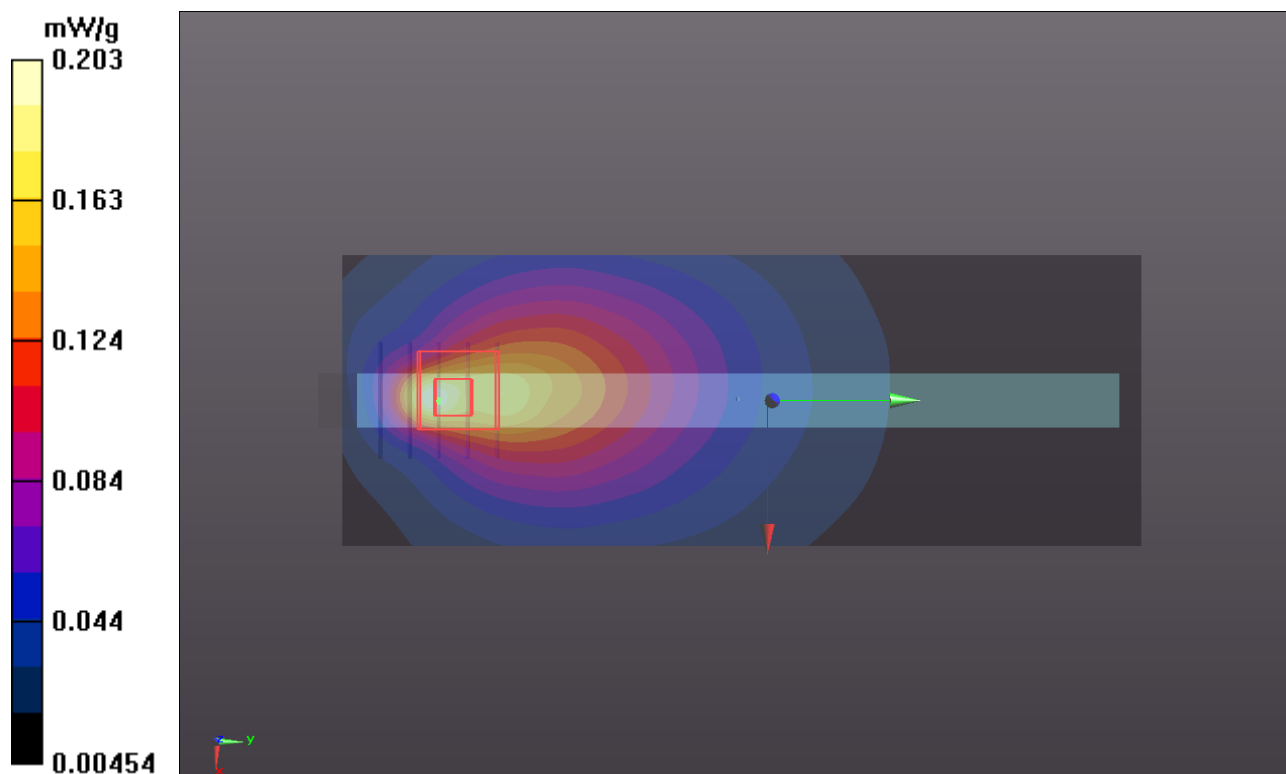
**P68 CDMA2000 BC0_EVDO Rev.0_Secondary Portrait_0cm_Ch1013
_w/o Pw Reduction_Top-Left Angle 55****DUT: 120309C18**

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^3 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.203 mW/g **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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 

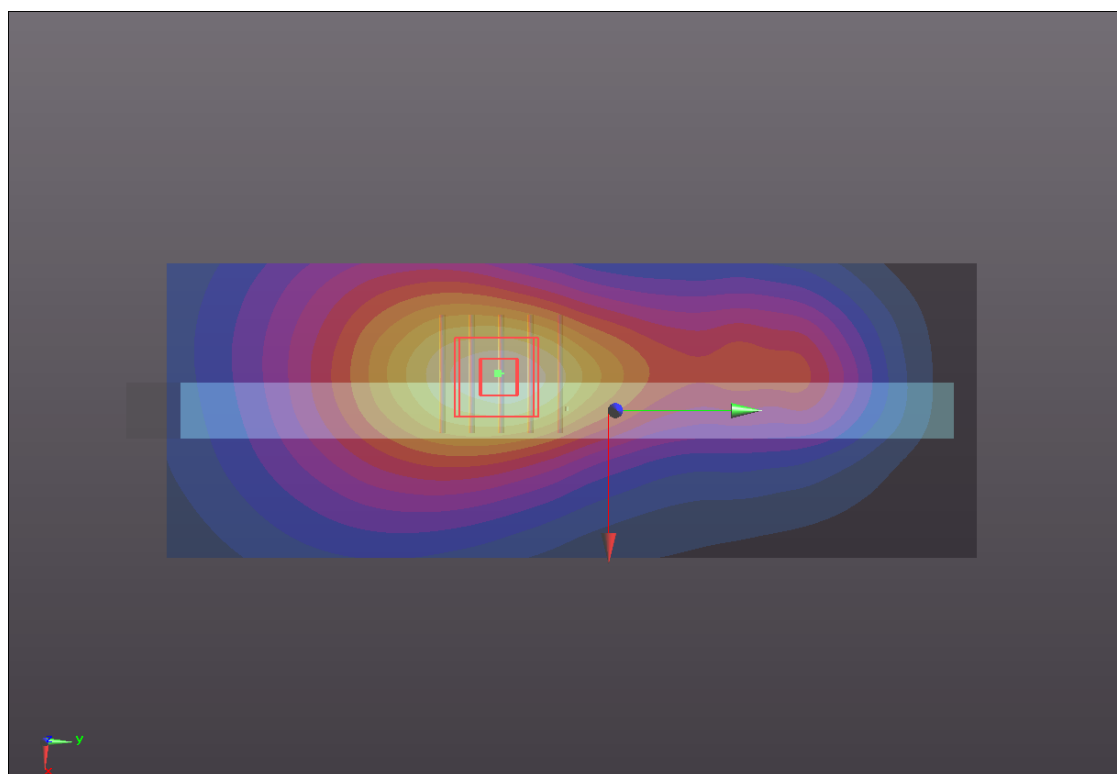
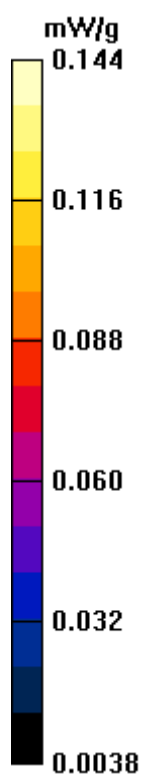
**P69 CDMA2000 BC0_EVDO Rev.0_Secondary Portrait_0cm_Ch1013
_w/o Pw Reduction_Top-Right Angle 20****DUT: 120309C18**

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^3 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.144 mW/g **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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 

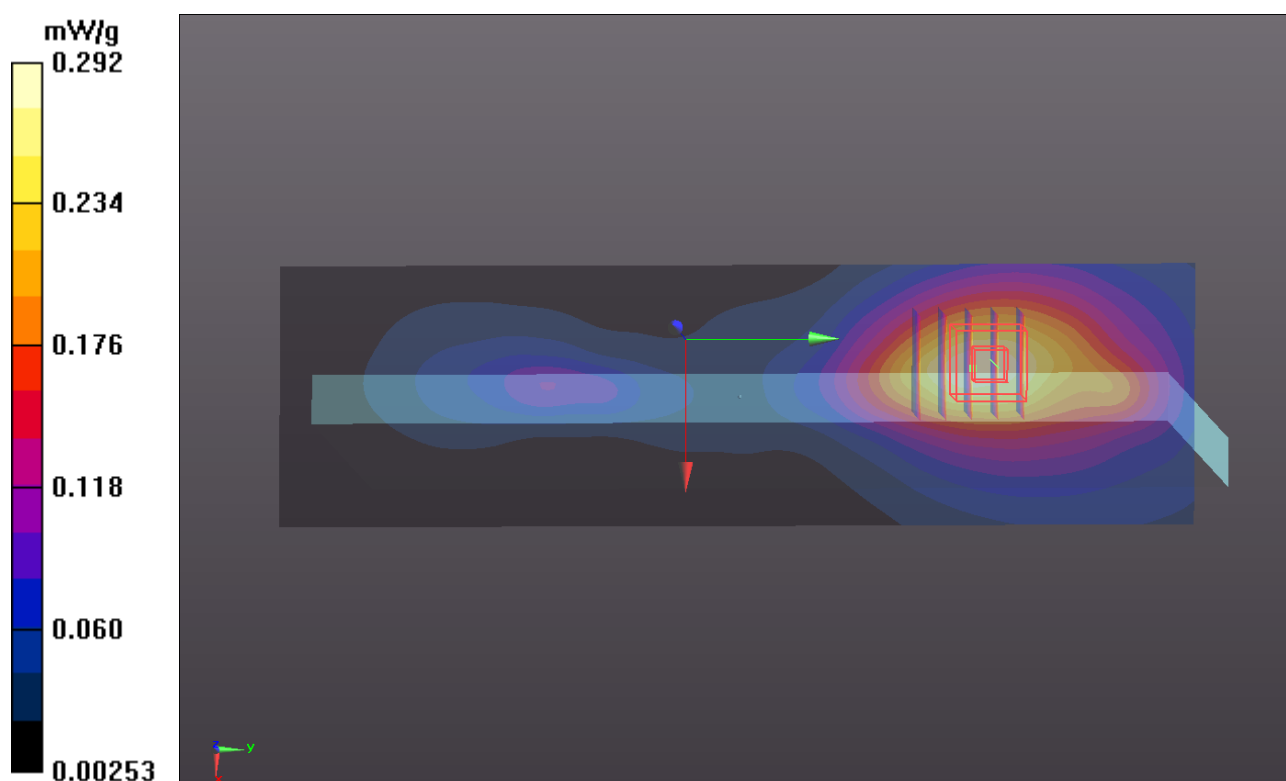
**P05 CDMA2000 BC0_EVDO Rev.0_Secondary Landscape_0cm_Ch1013
_w/o Pw Reduction****DUT: 120309C18**

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^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 (41x141x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.292 mW/g **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ 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/m³

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

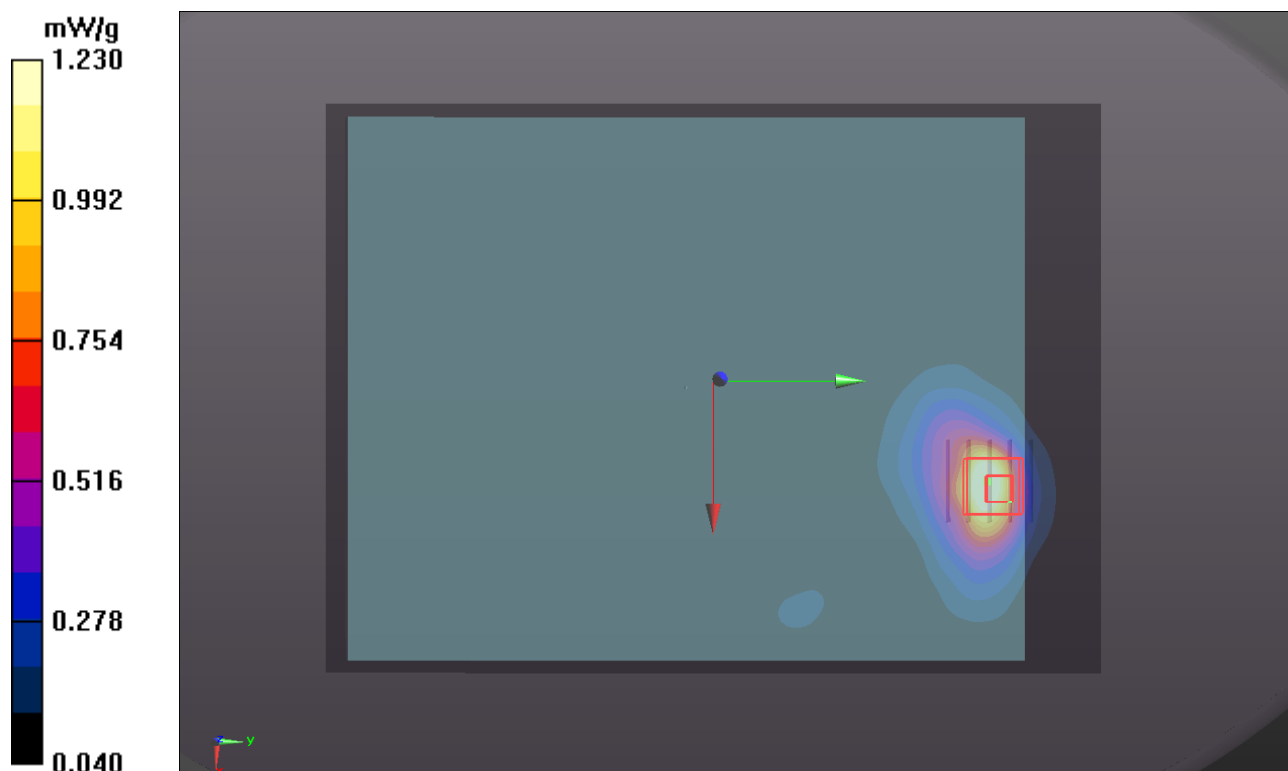
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secondary 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/m³

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

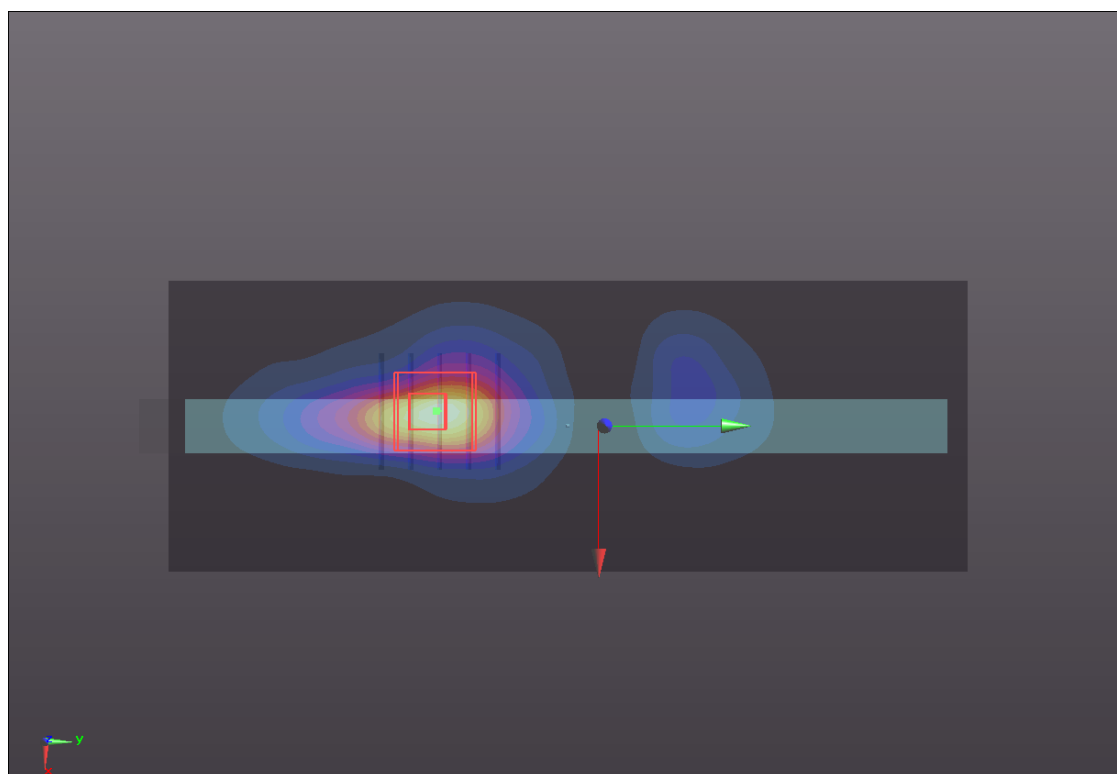
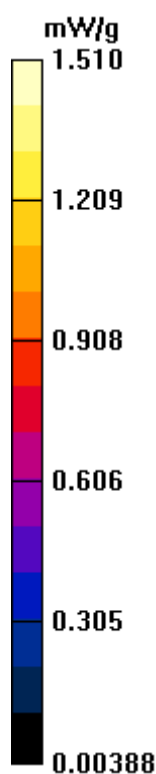
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

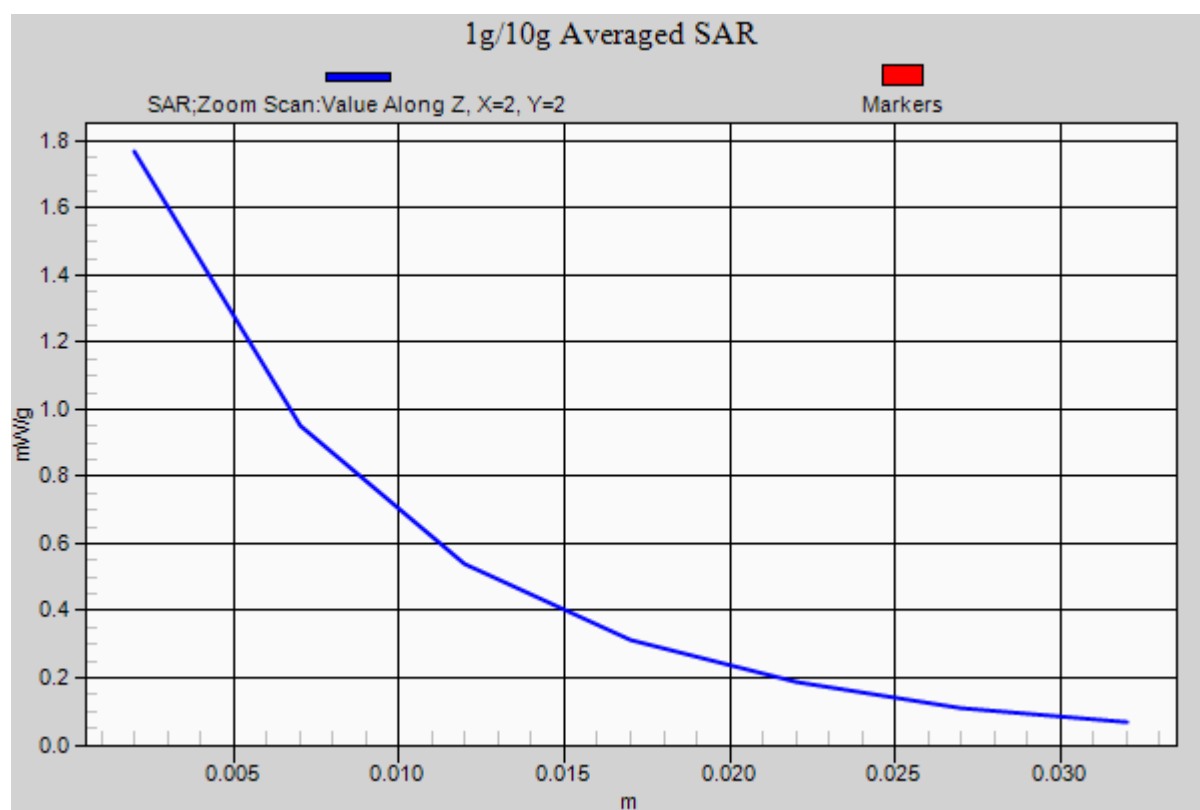
Reference Value = 9.268 V/m; Power Drift = -0.12 dB

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/m³

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

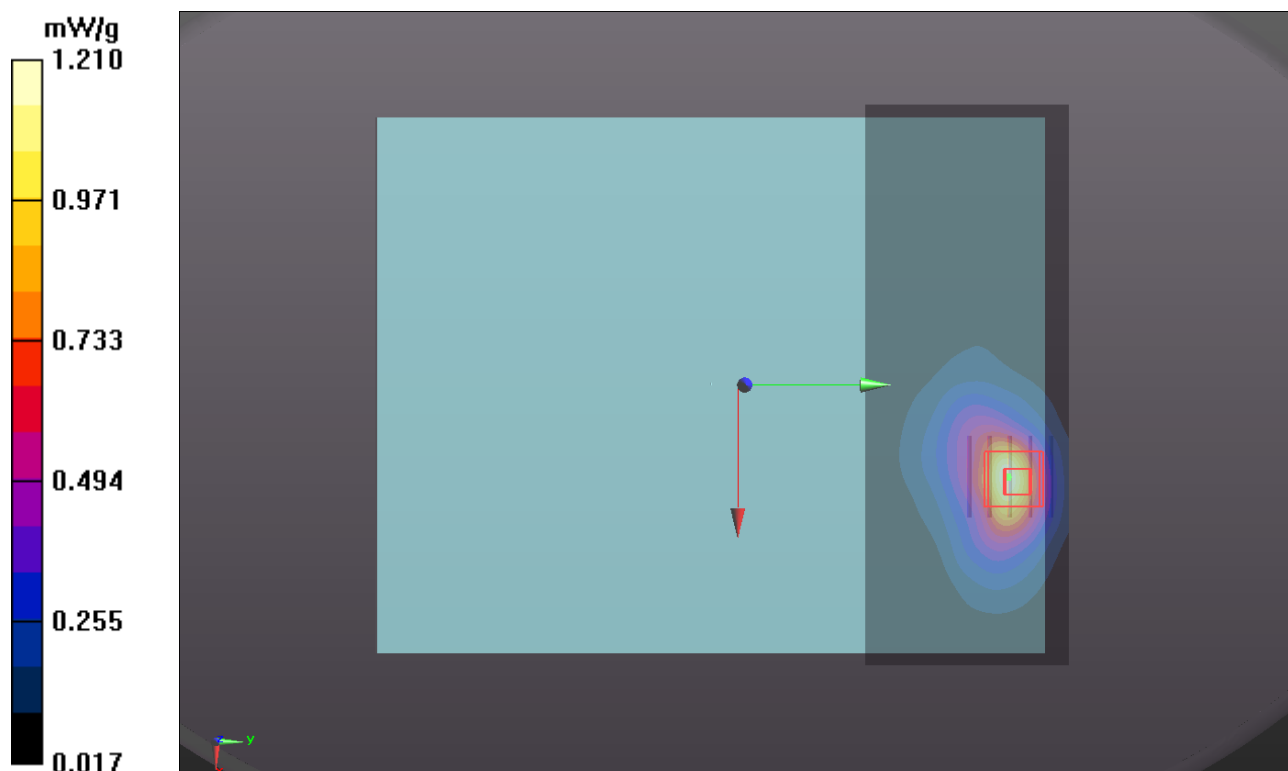
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

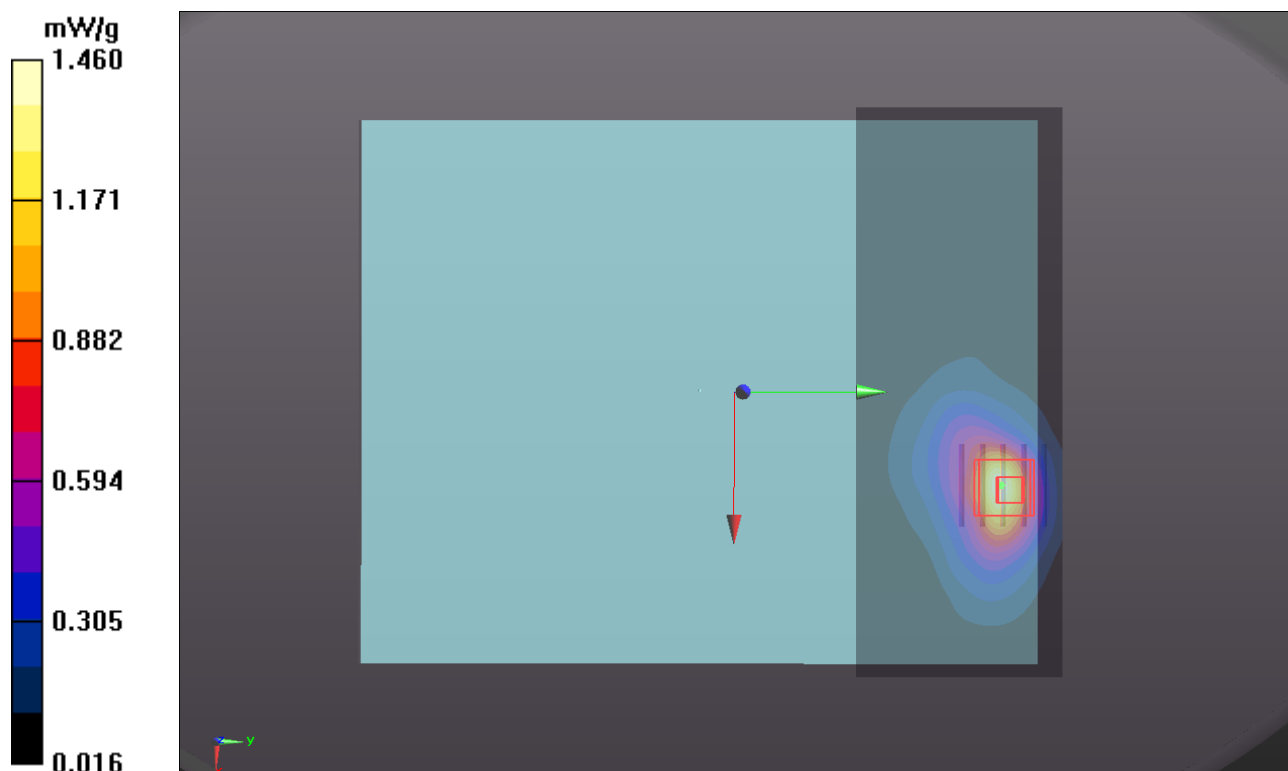
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 : $f = 1851.25$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 54.419$; $\rho = 1000$ kg/m³

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)

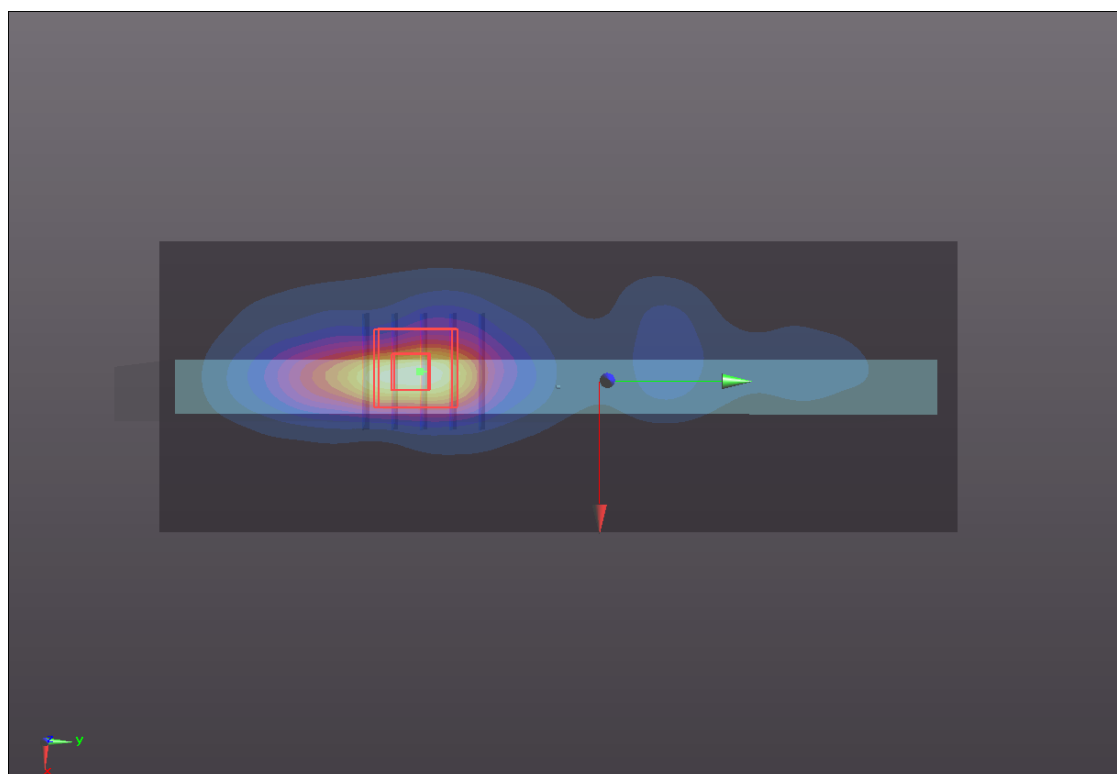
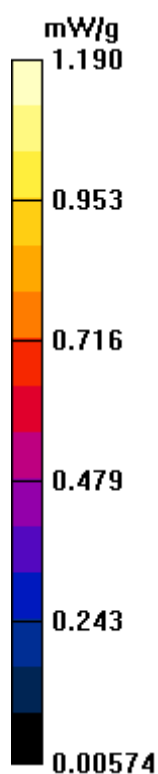
Ch25/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.19 mW/g**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.595 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.866 mW/g

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.502 mW/g

Maximum value of SAR (measured) = 1.45 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/m³

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

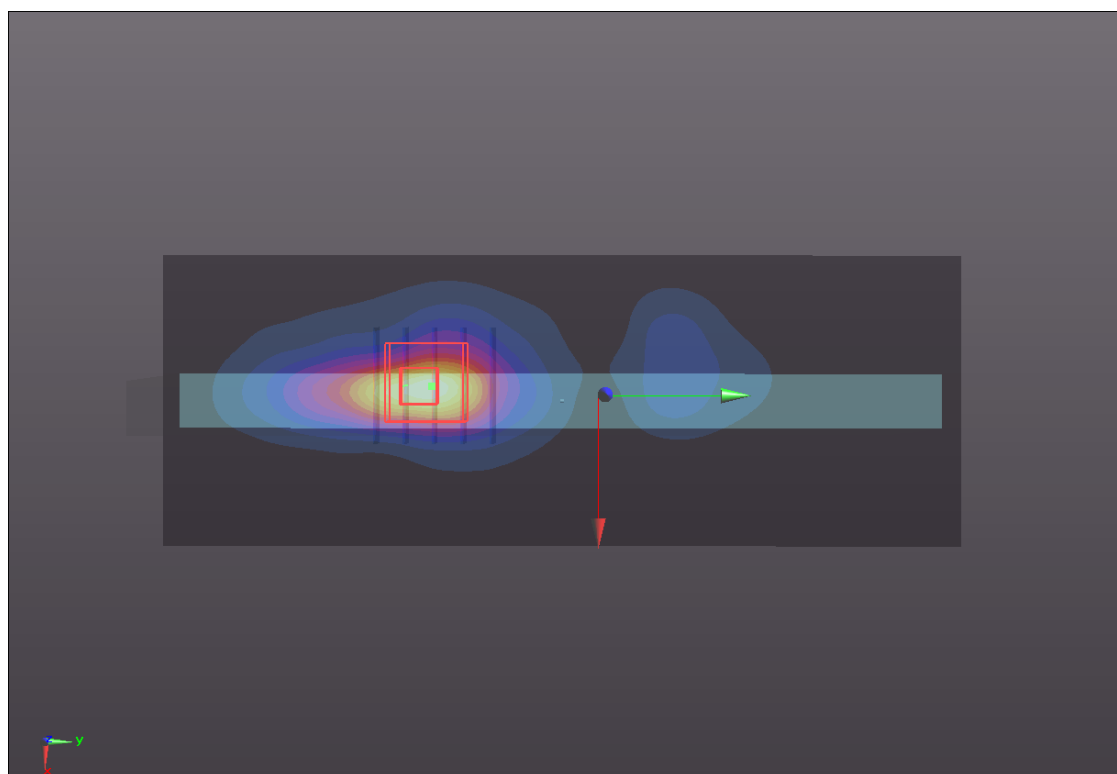
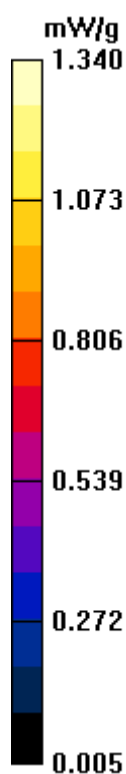
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

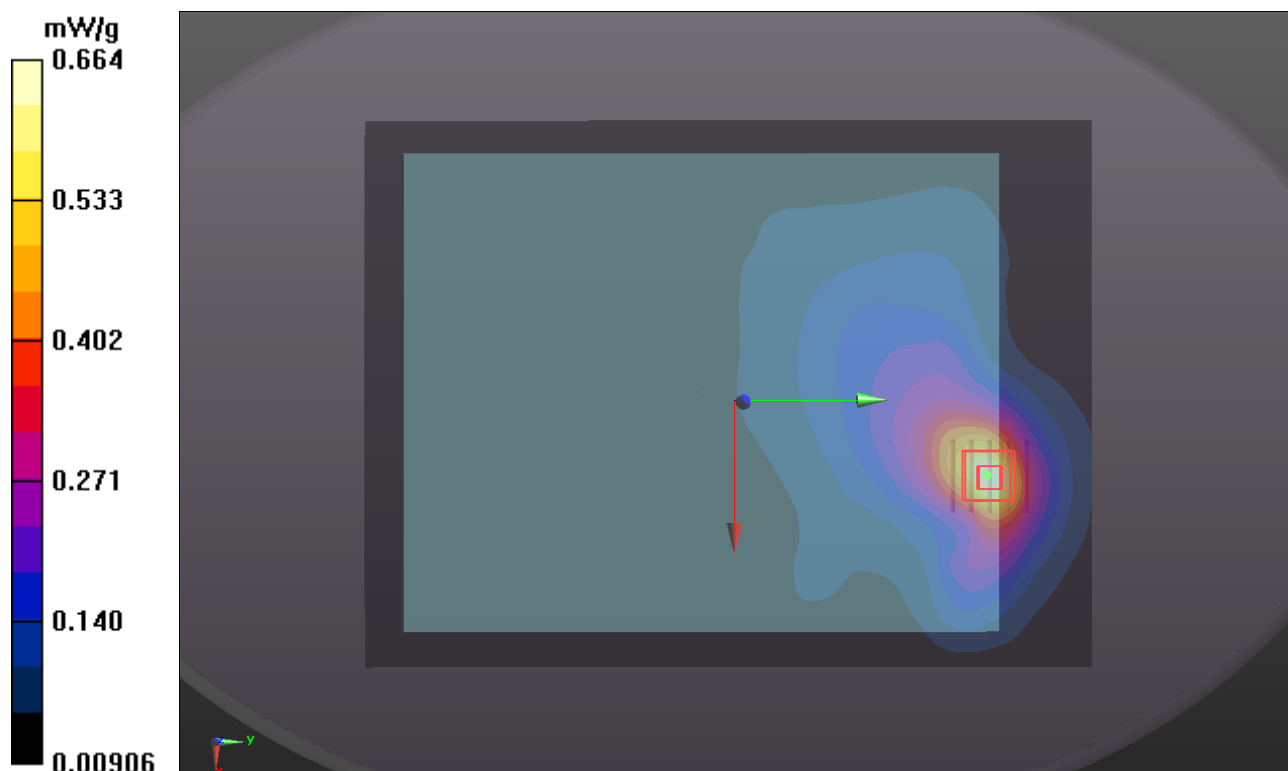
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

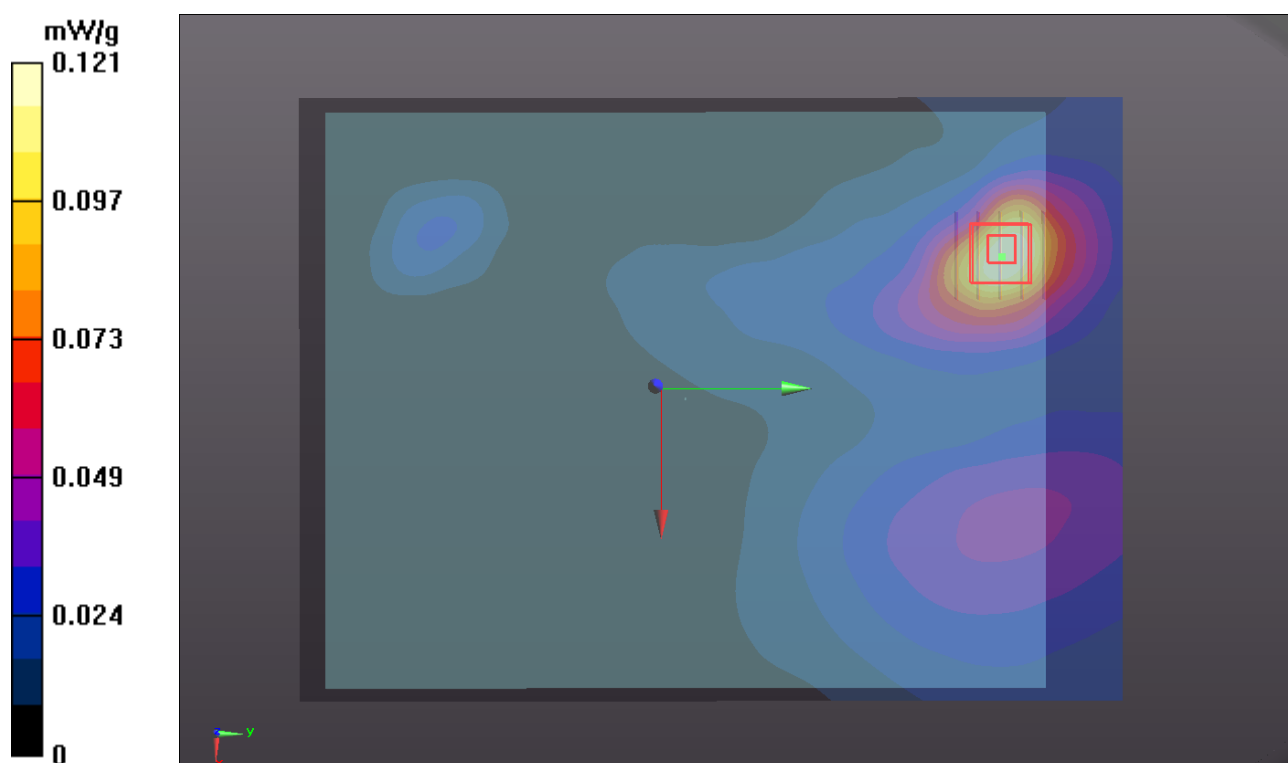
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

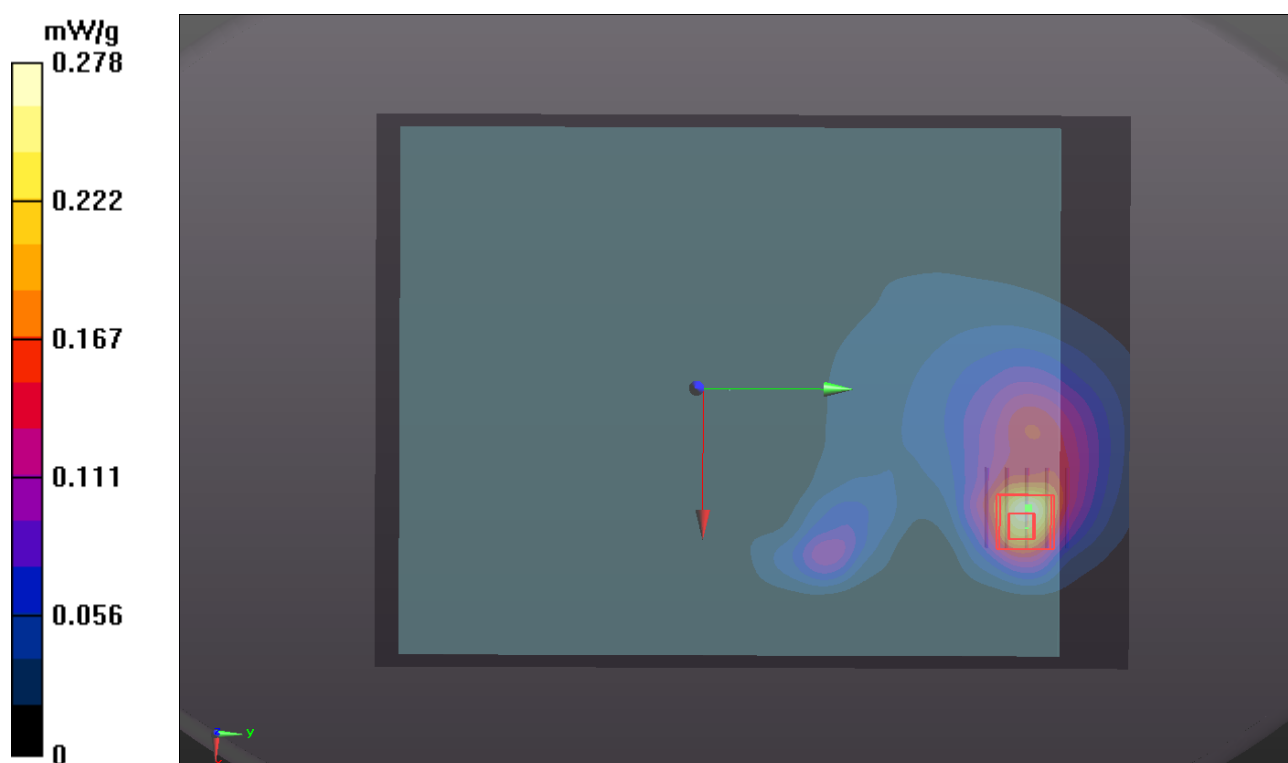
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secondary 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/m³

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

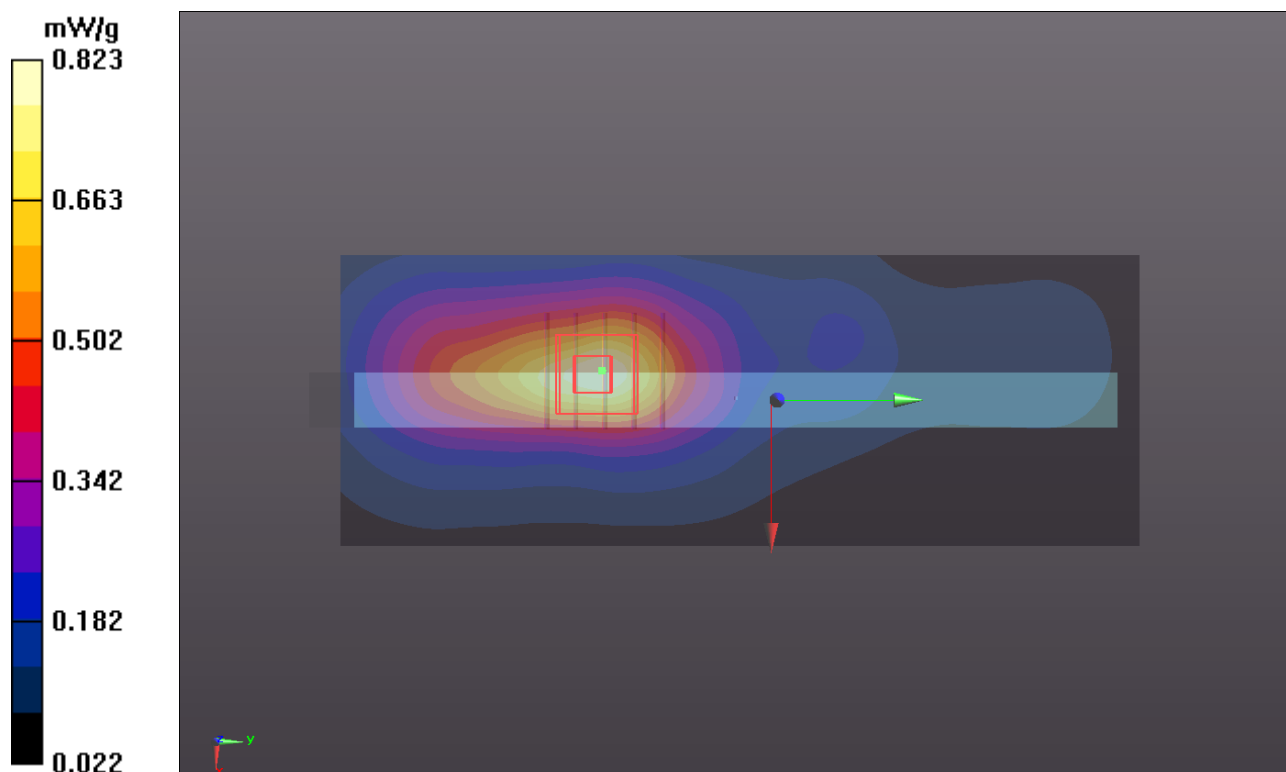
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secondary 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/m³

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

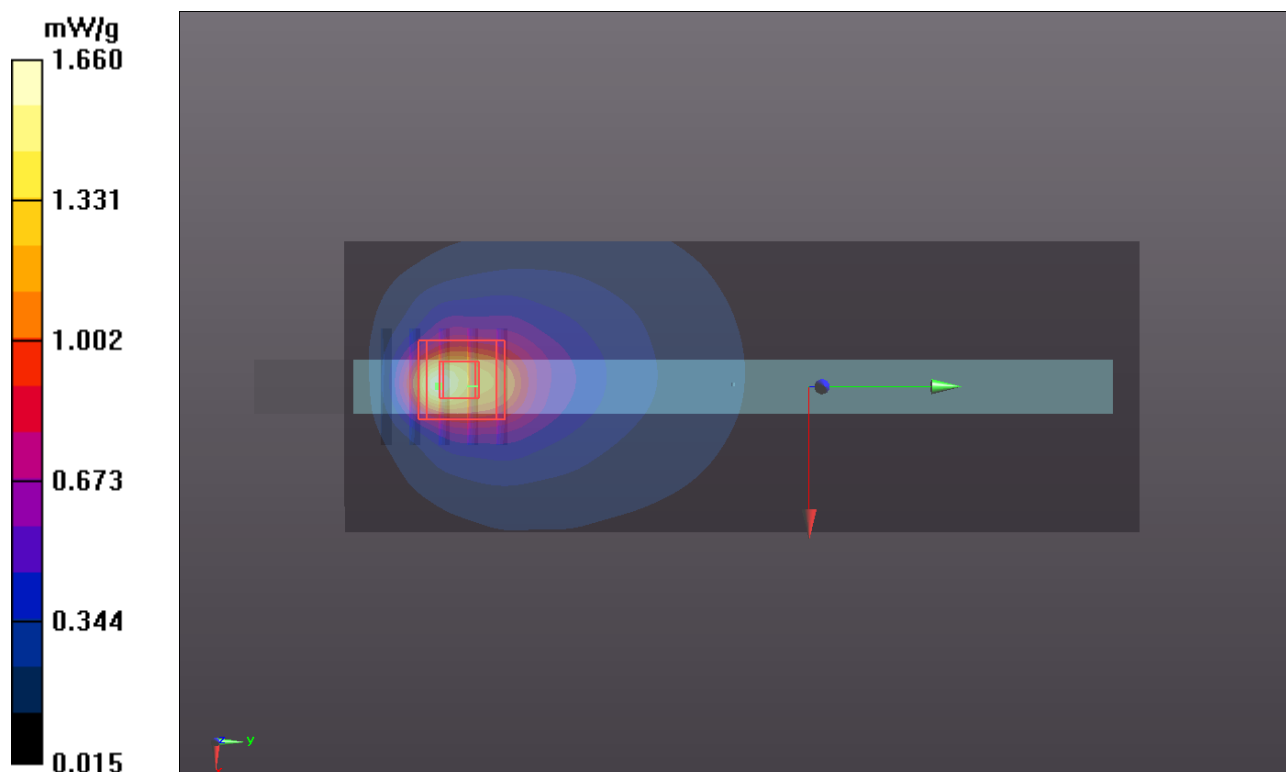
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secondary 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/m³

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

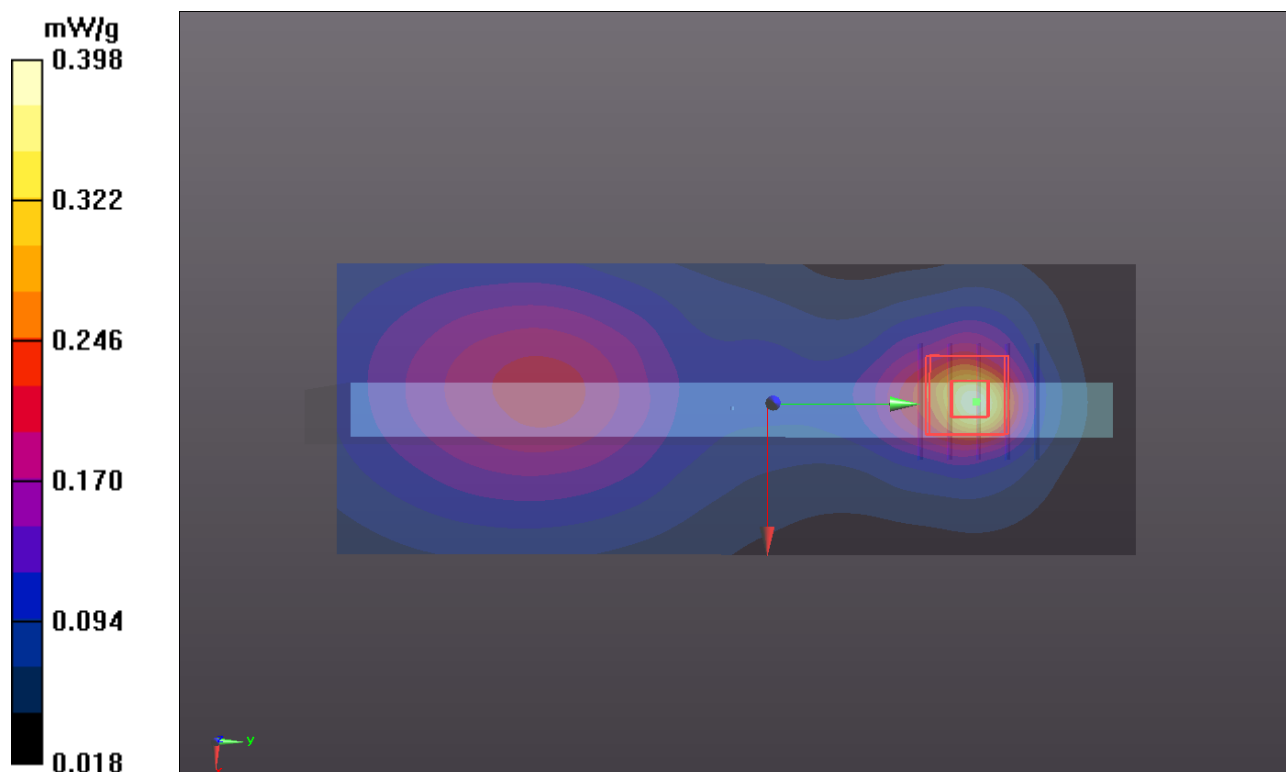
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secondary 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/m³

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

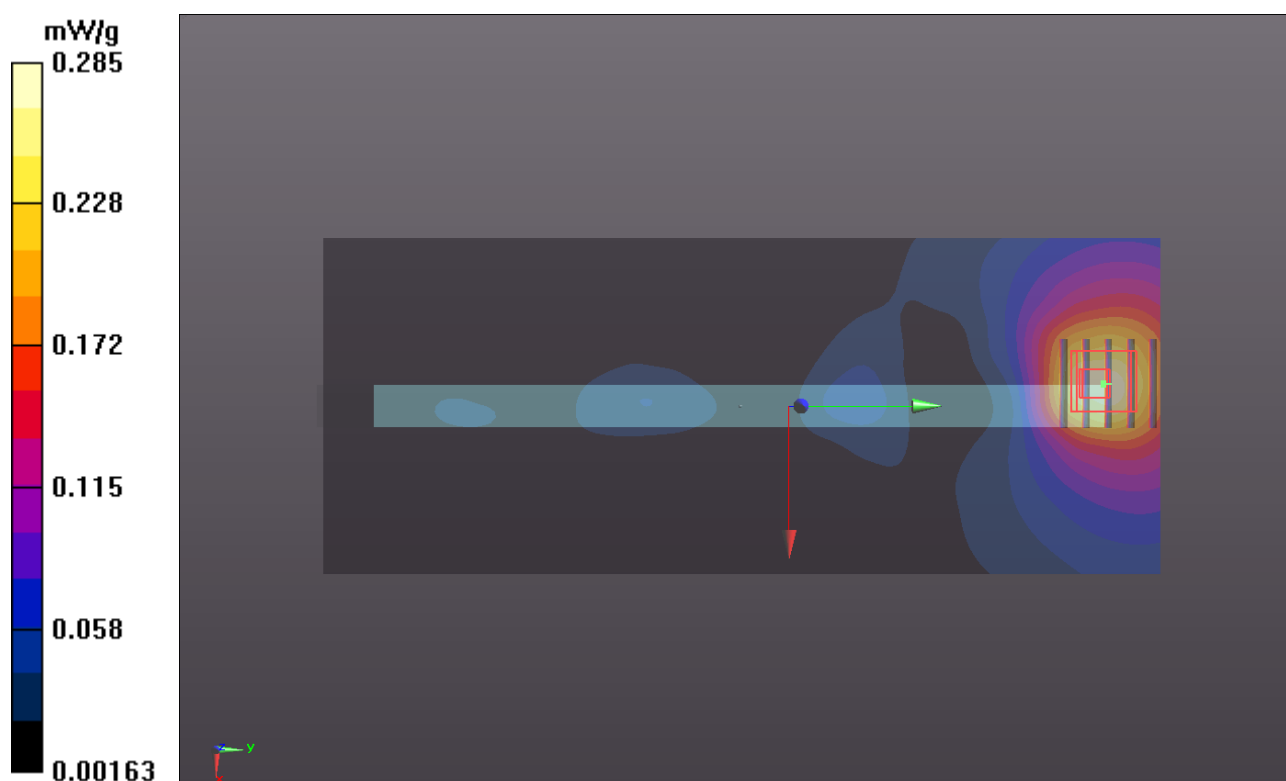
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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_Secundary 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/m³

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

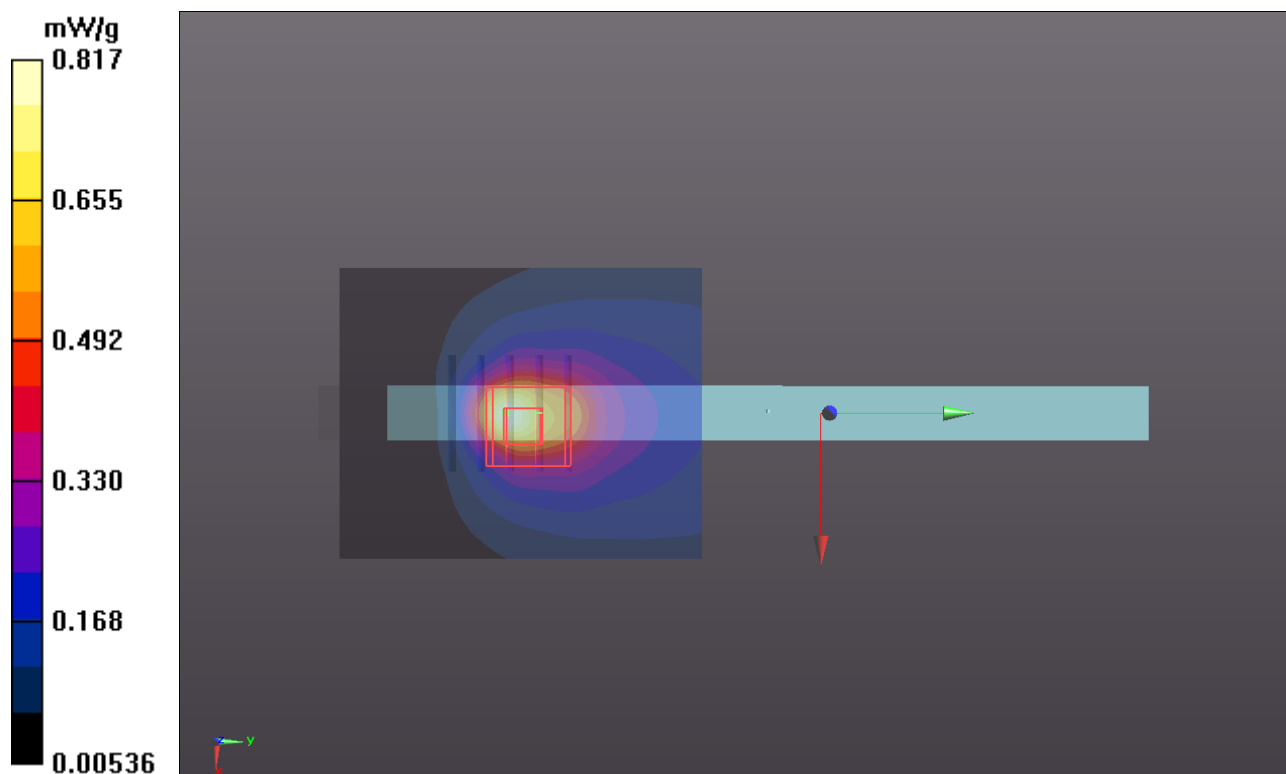
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

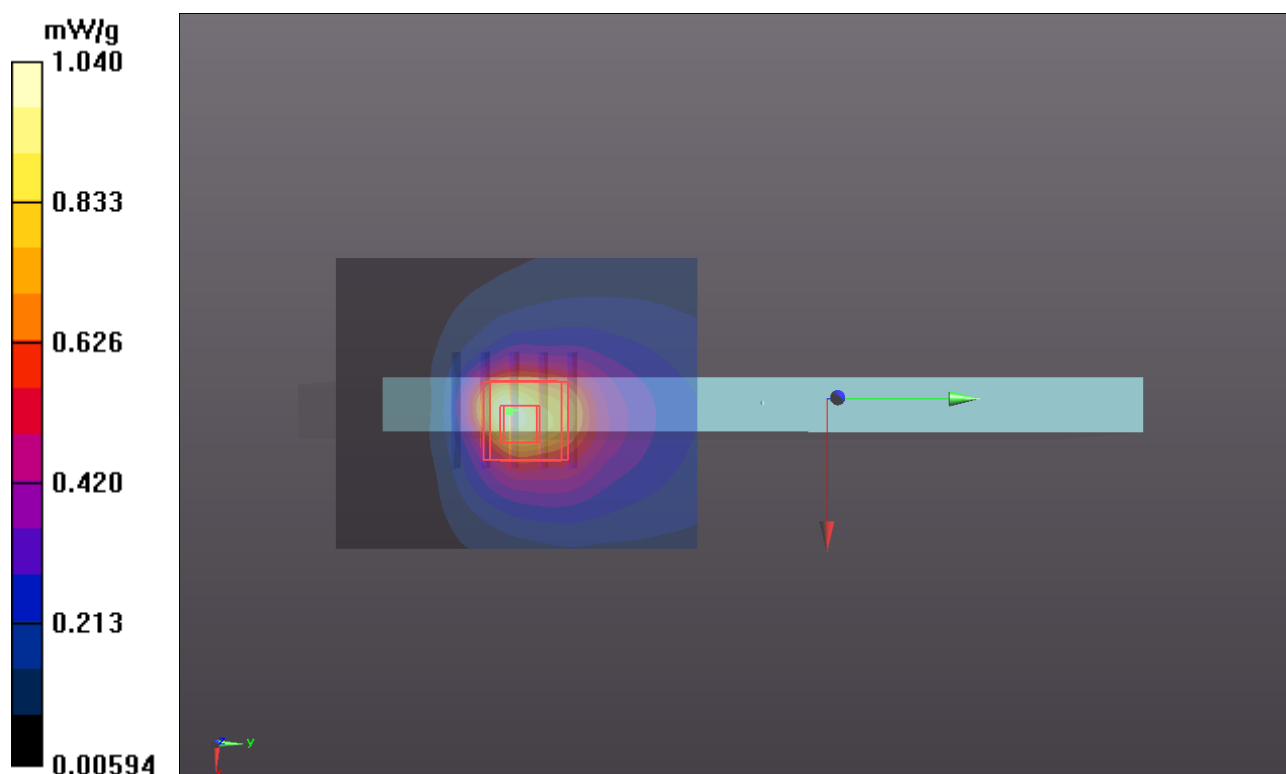
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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 (131x151x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.349 mW/g

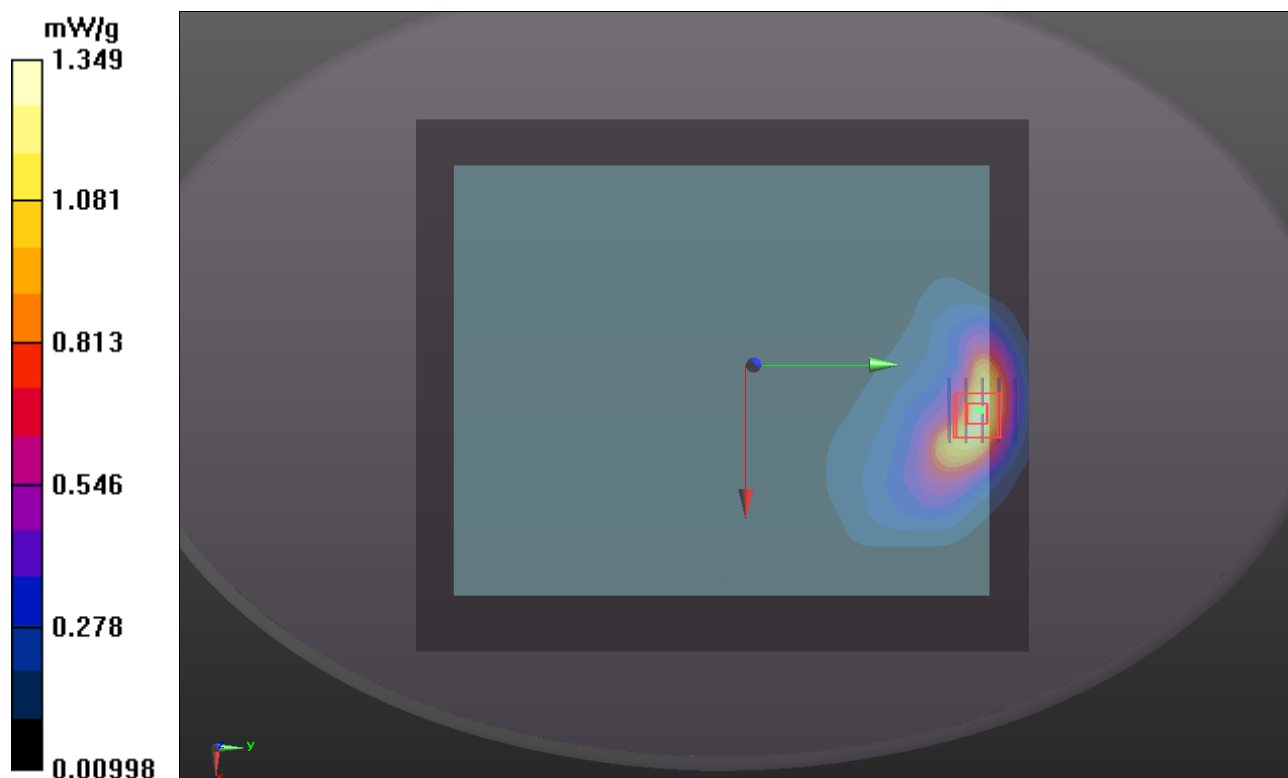
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.369 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.8550

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.681 mW/g

Maximum value of SAR (measured) = 1.484 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 : $22.0 \text{ }^\circ\text{C}$; 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 (41x121x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

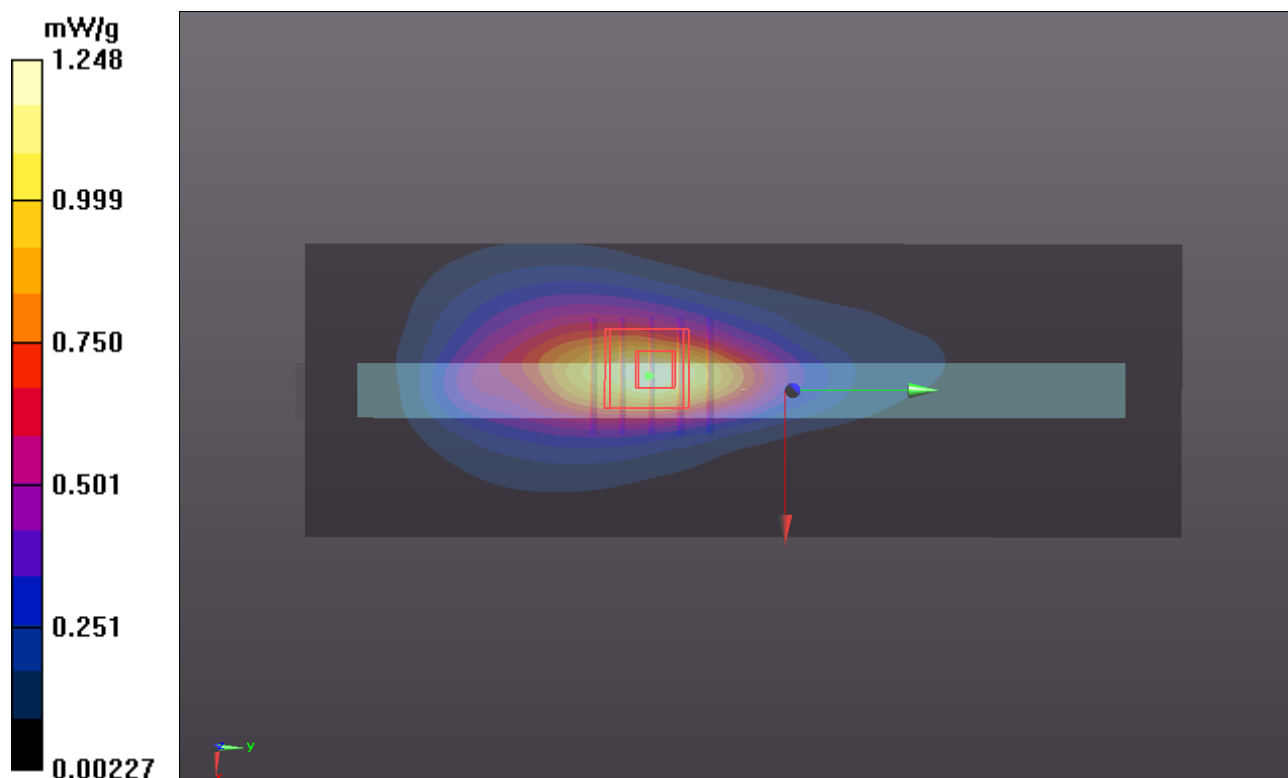
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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 (41x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.172 mW/g

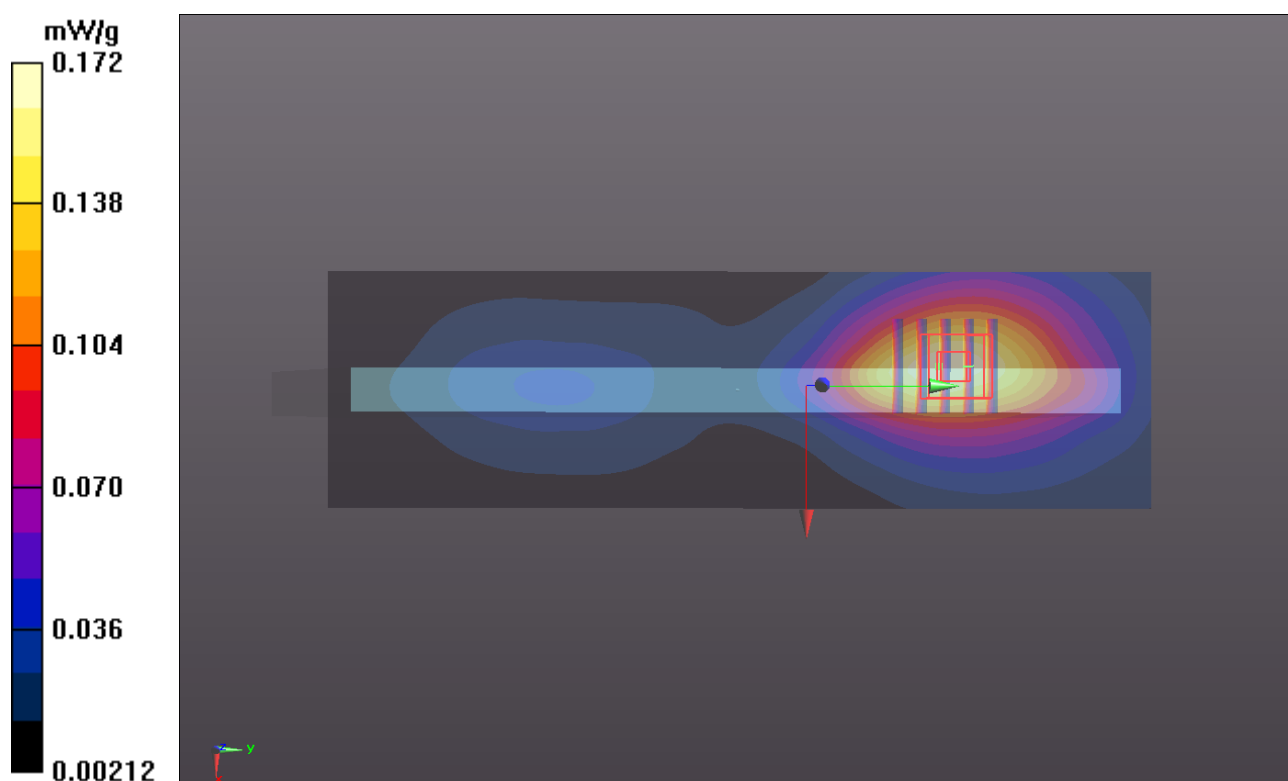
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.753 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.1990

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.174 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/m³

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

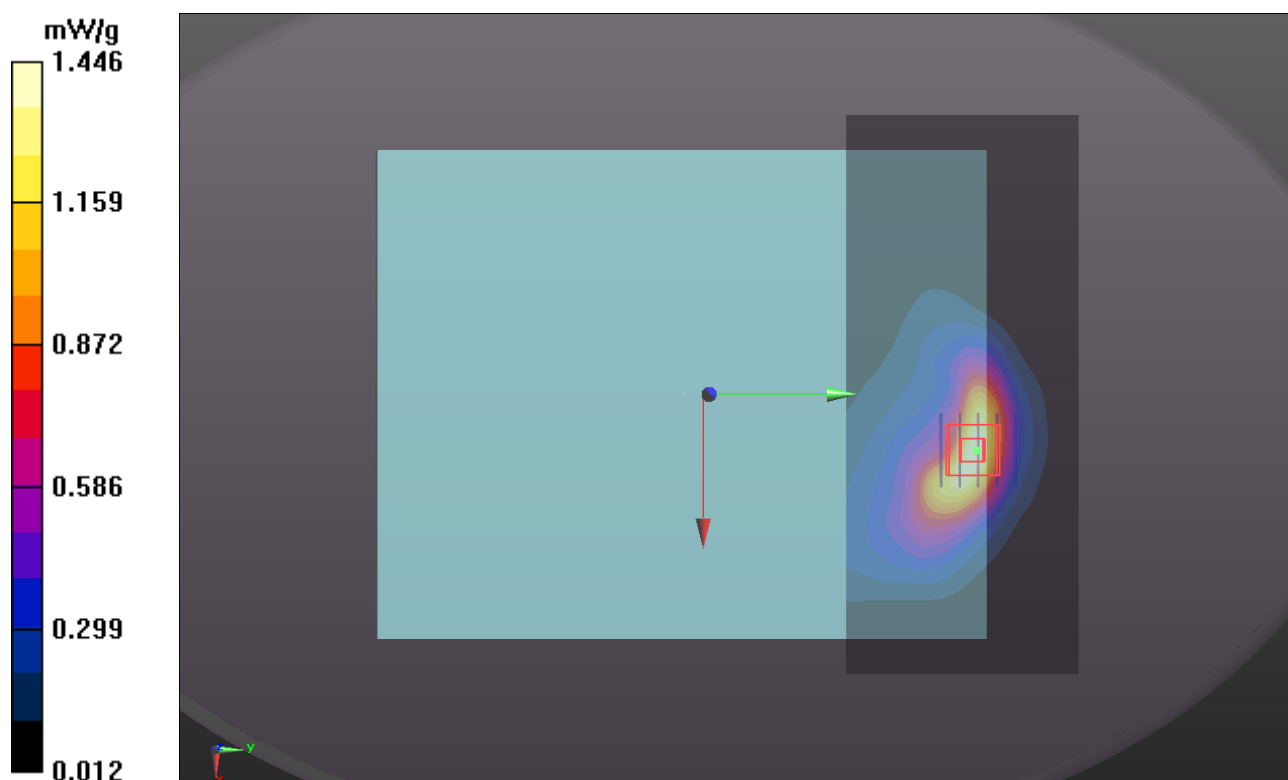
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

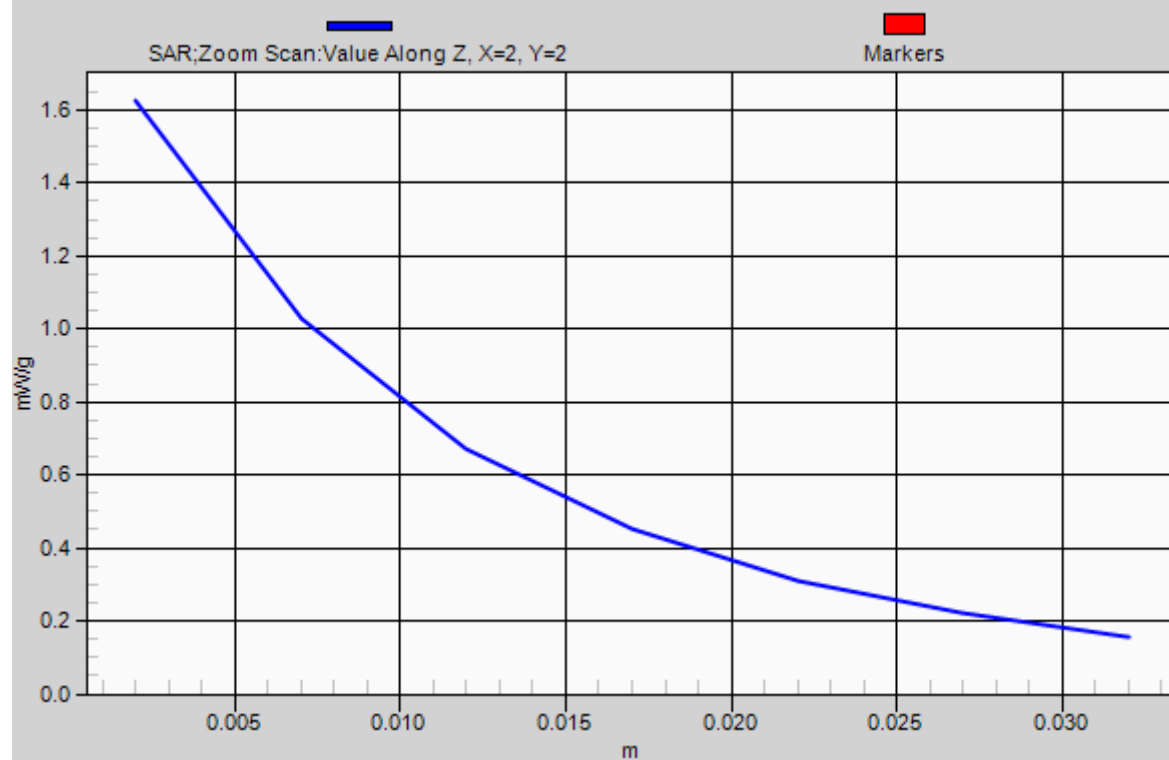
Peak SAR (extrapolated) = 2.0200

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 mW/g

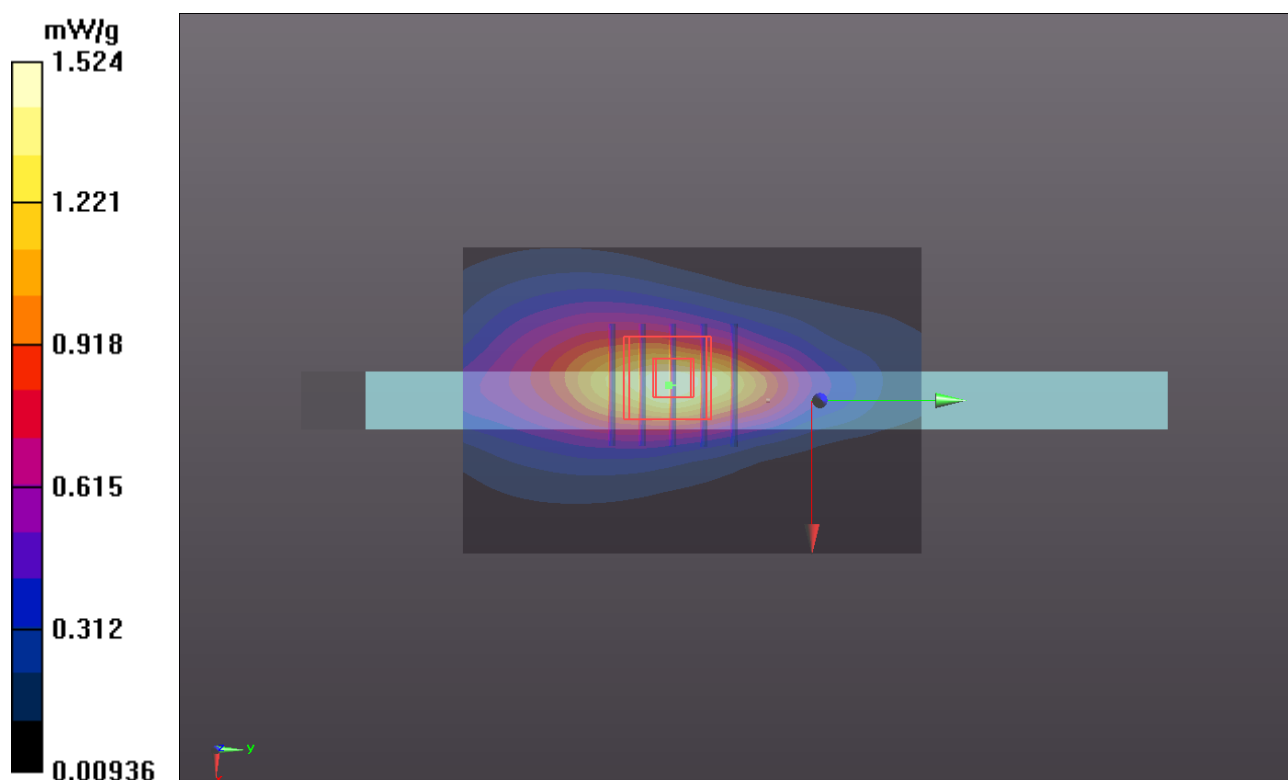
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.610 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.0490

SAR(1 g) = 1.23 mW/g ; SAR(10 g) = 0.734 mW/g

Maximum value of SAR (measured) = 1.644 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 mW/g

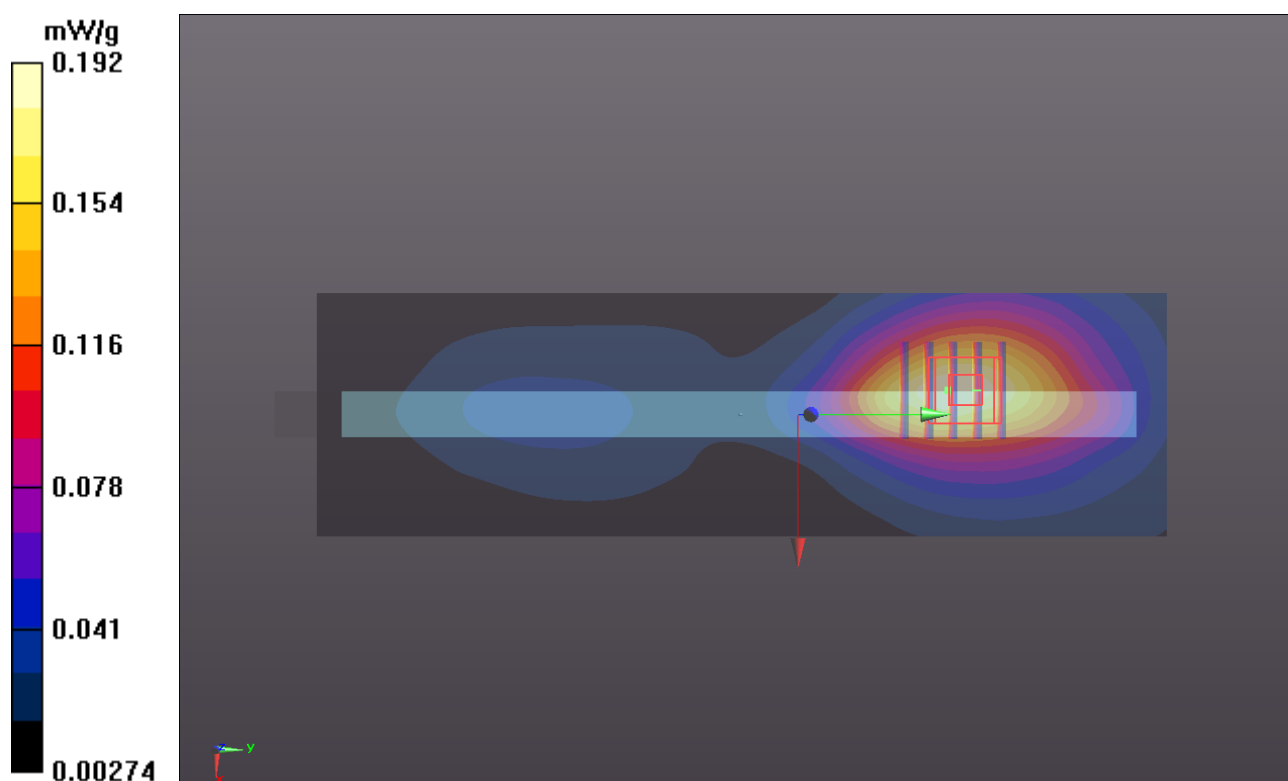
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.758 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.2300

SAR(1 g) = 0.161 mW/g ; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.200 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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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) = 1.459 mW/g

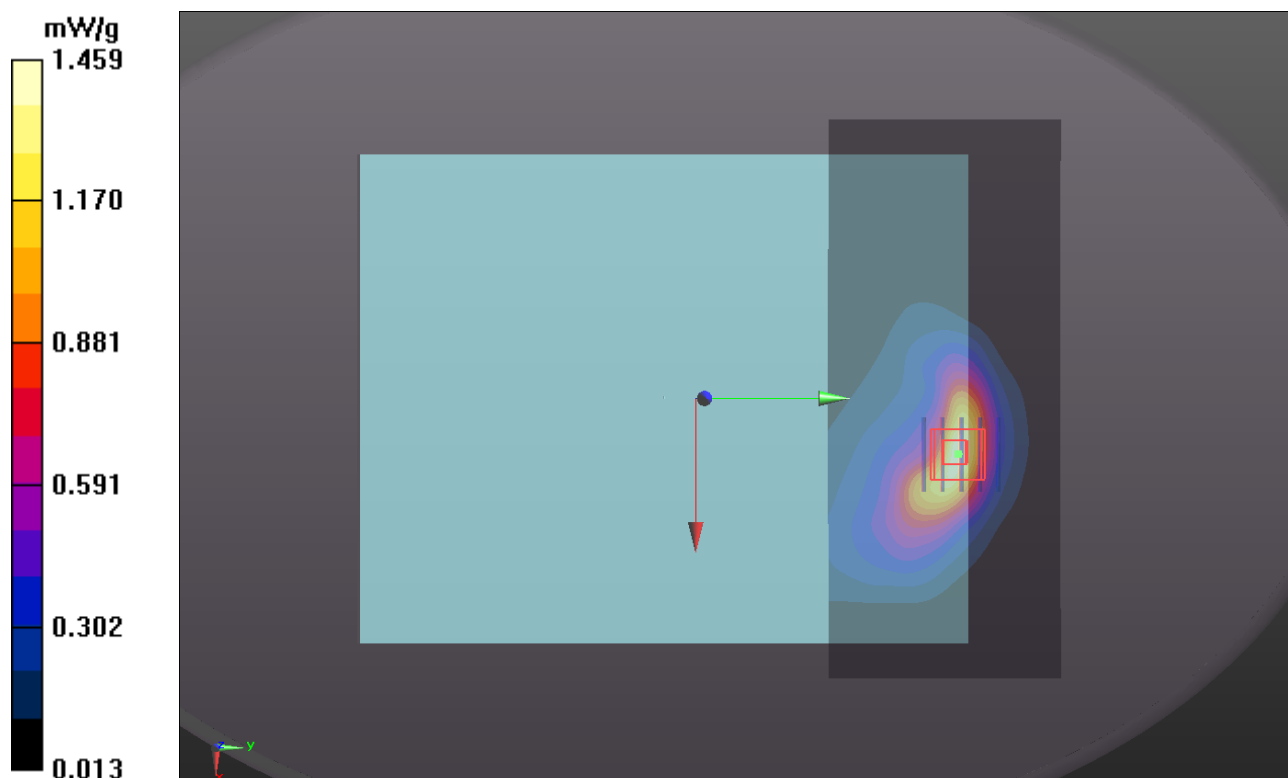
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.340 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.9540

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.720 mW/g

Maximum value of SAR (measured) = 1.583 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: $dx=20\text{mm}$, $dy=20\text{mm}$

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

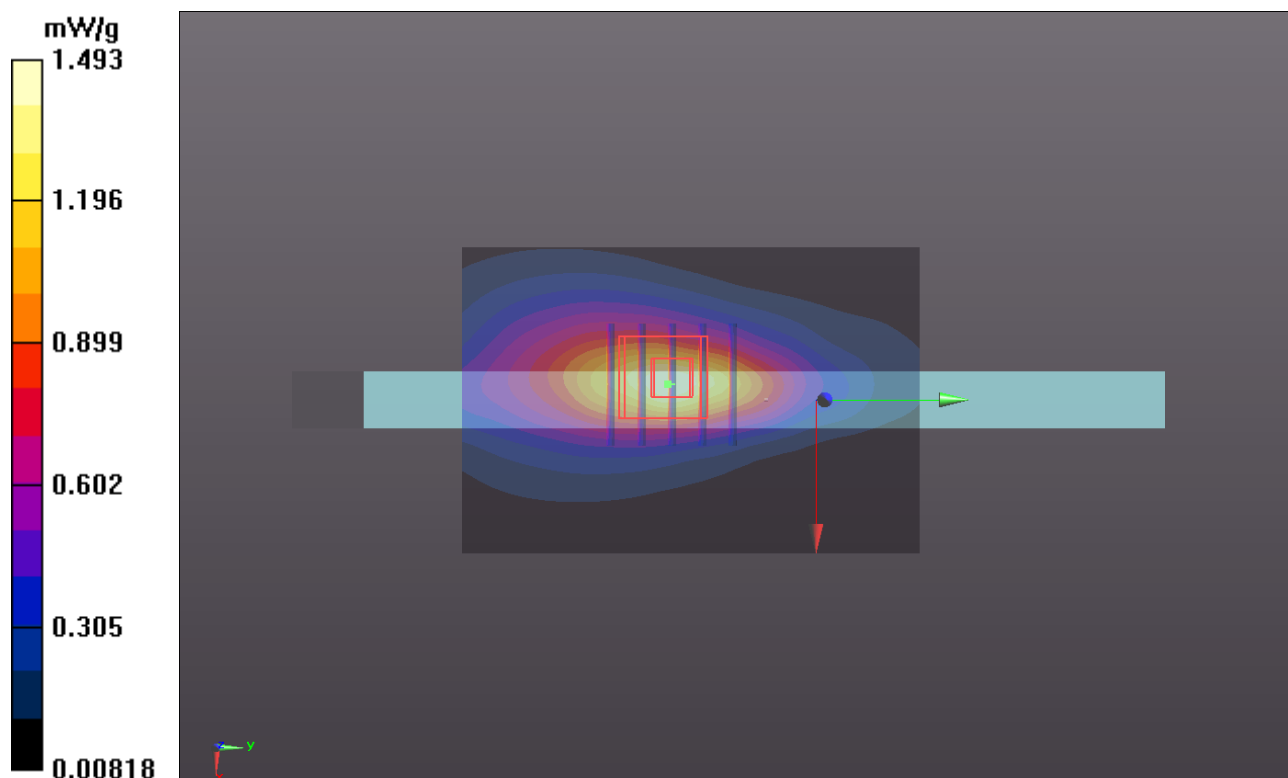
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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 (41x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.168 mW/g

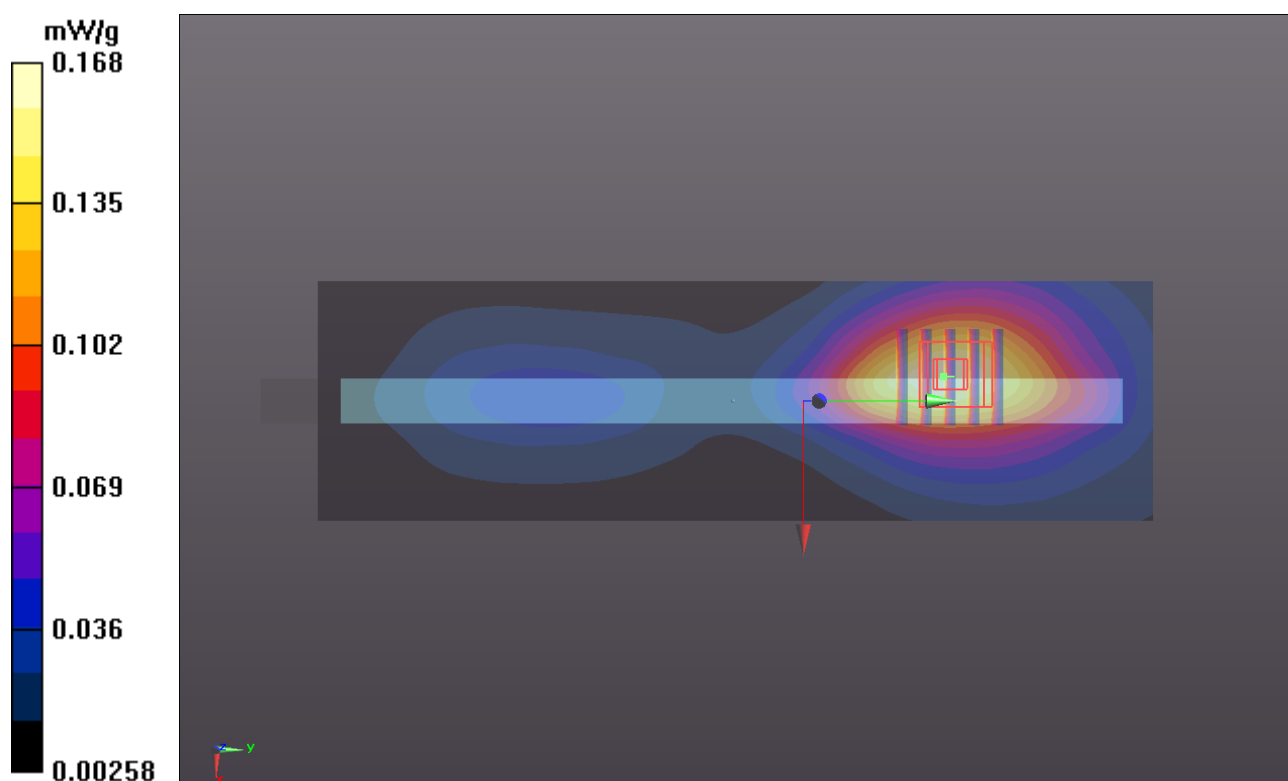
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.781 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.1940

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.171 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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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 (111x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.203 mW/g

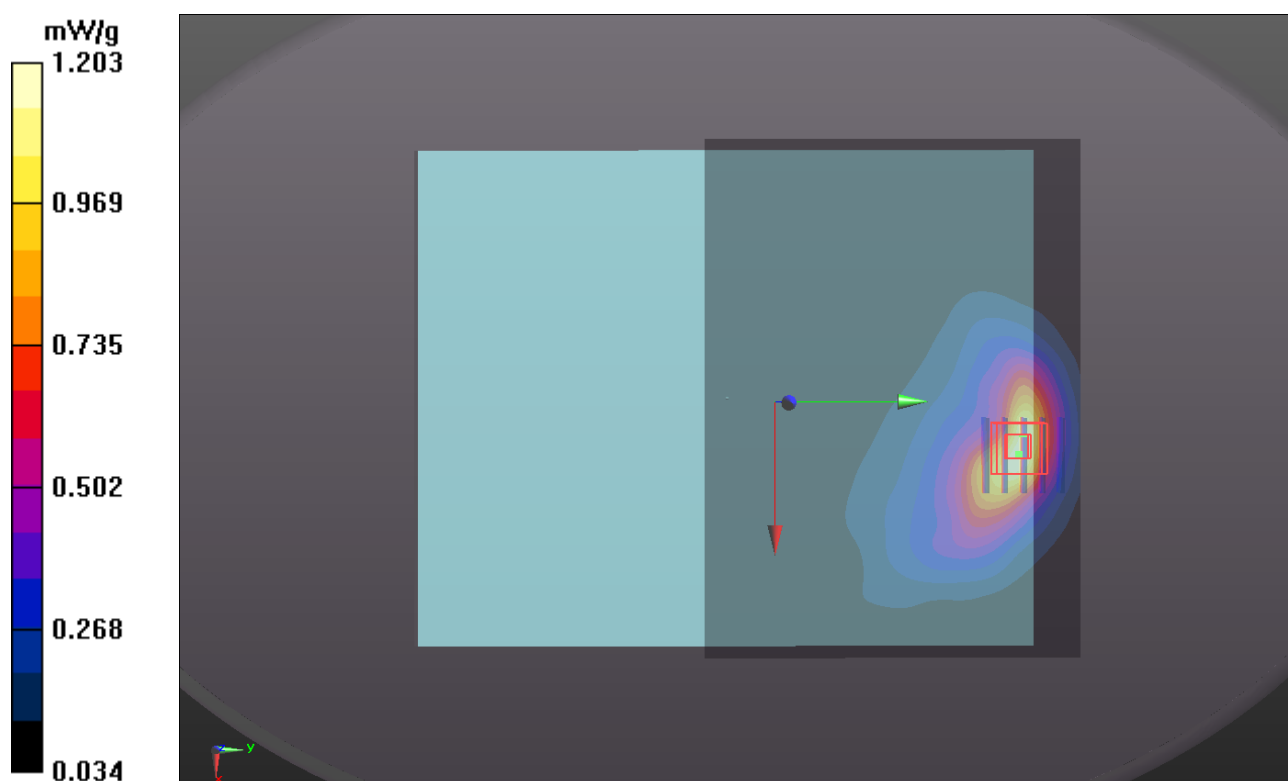
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.462 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 1.7040

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 1.370 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/m³

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 (111x81x1): Measurement grid: dx=20mm, dy=20mm

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

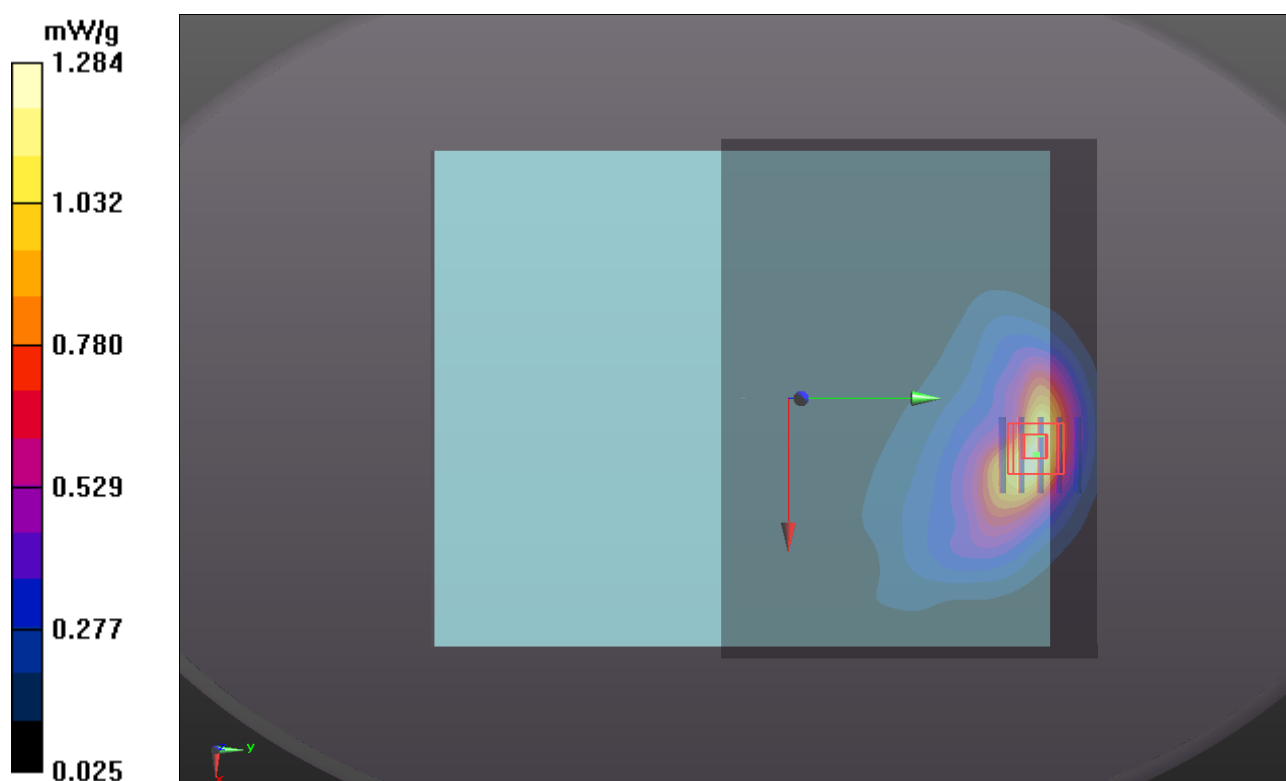
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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: $f = 782$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.945$; $\rho = 1000$ kg/m³

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 (111x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.223 mW/g

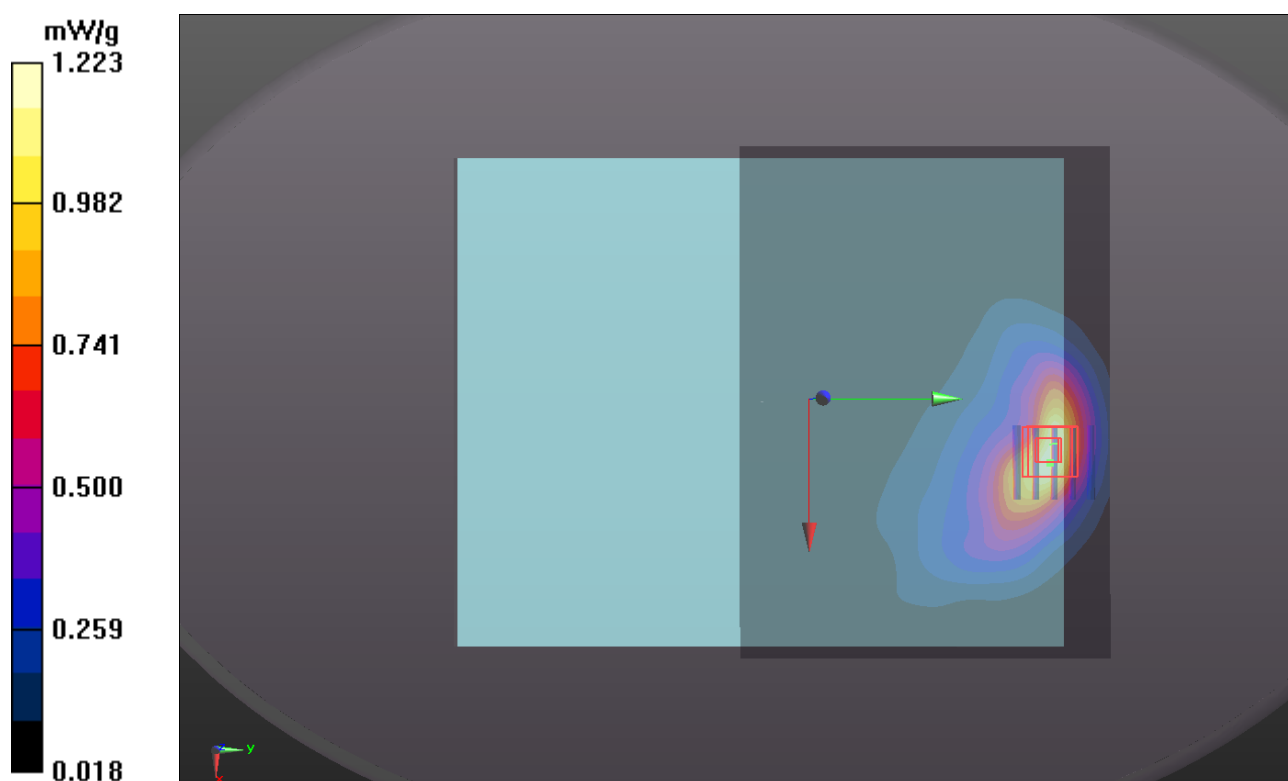
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.083 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 1.7300

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.640 mW/g

Maximum value of SAR (measured) = 1.398 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: $f = 782$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.858$; $\rho = 1000$ kg/m³

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

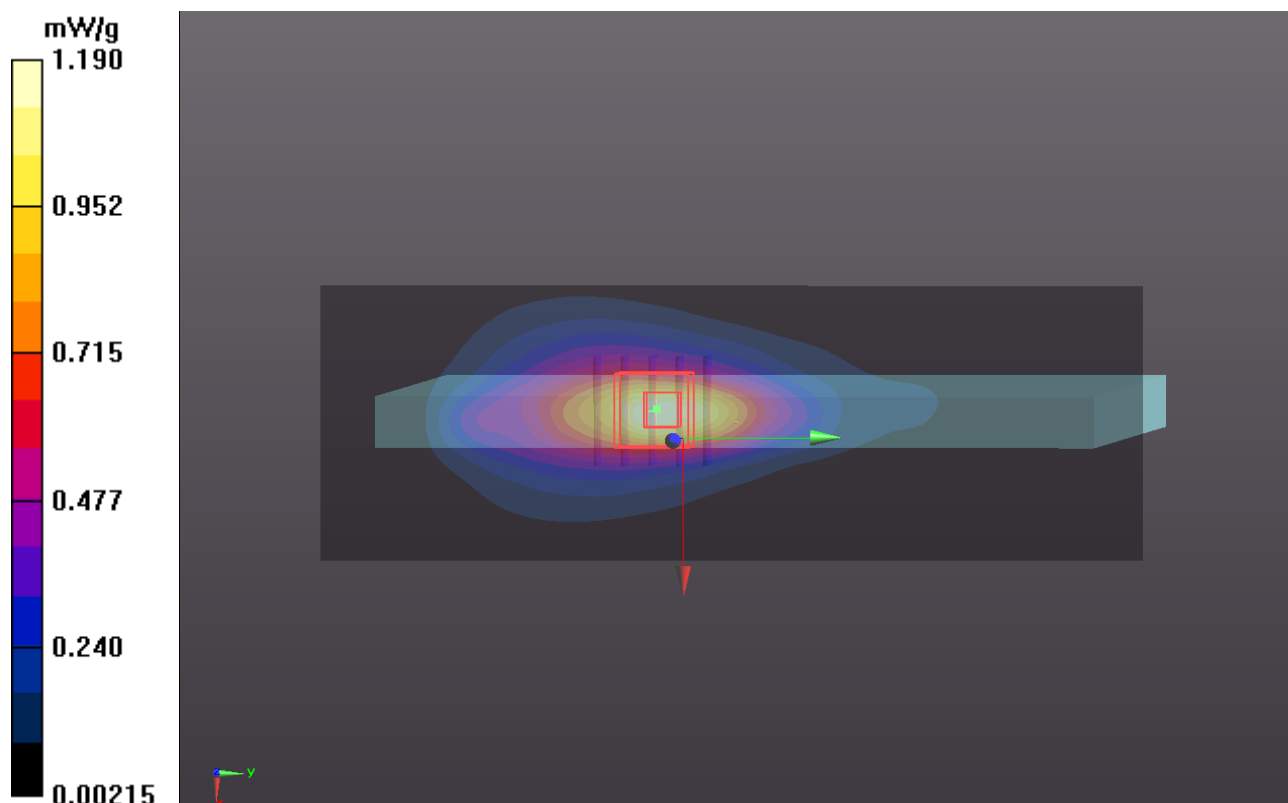
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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°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 (41x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

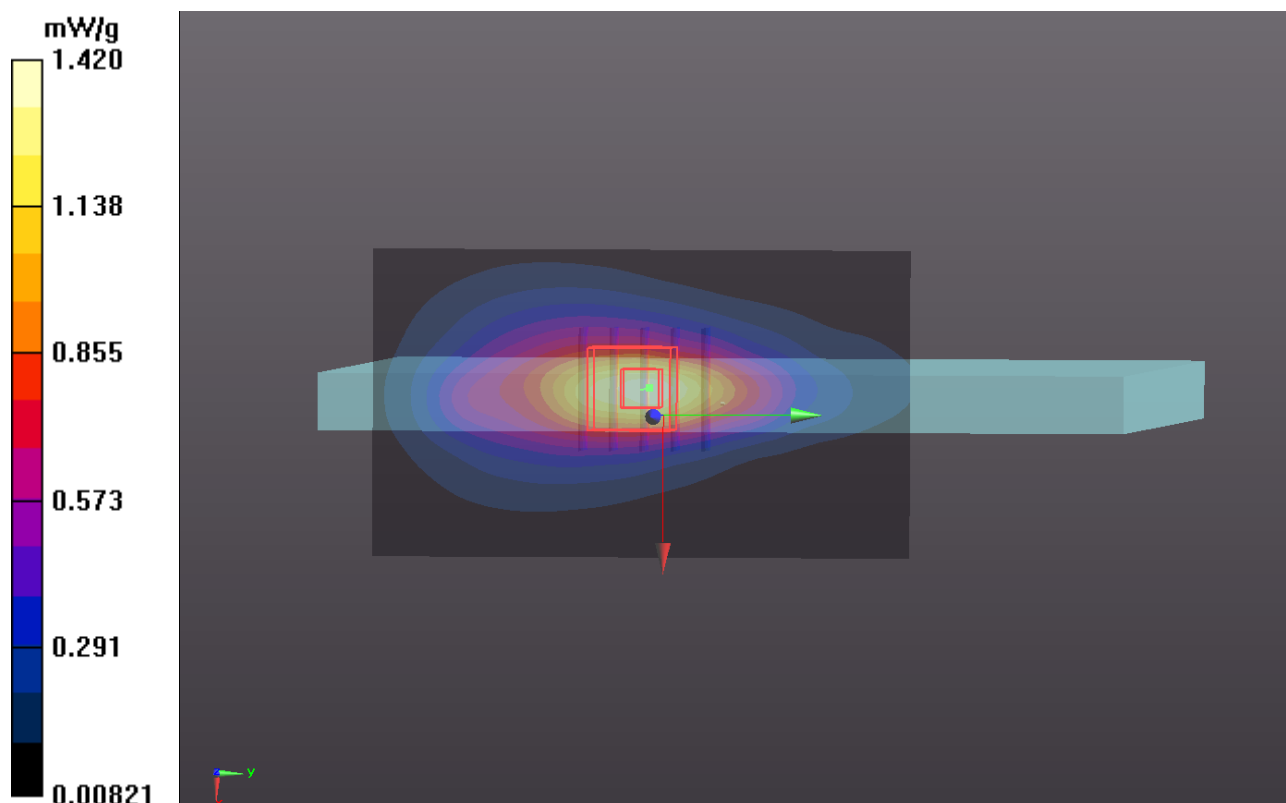
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.523 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.794 mW/g

SAR(1 g) = 1.09 mW/g ; SAR(10 g) = 0.653 mW/g

Maximum value of SAR (measured) = 1.47 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: $f = 782$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.858$; $\rho = 1000$ kg/m³

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 (41x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.38 mW/g

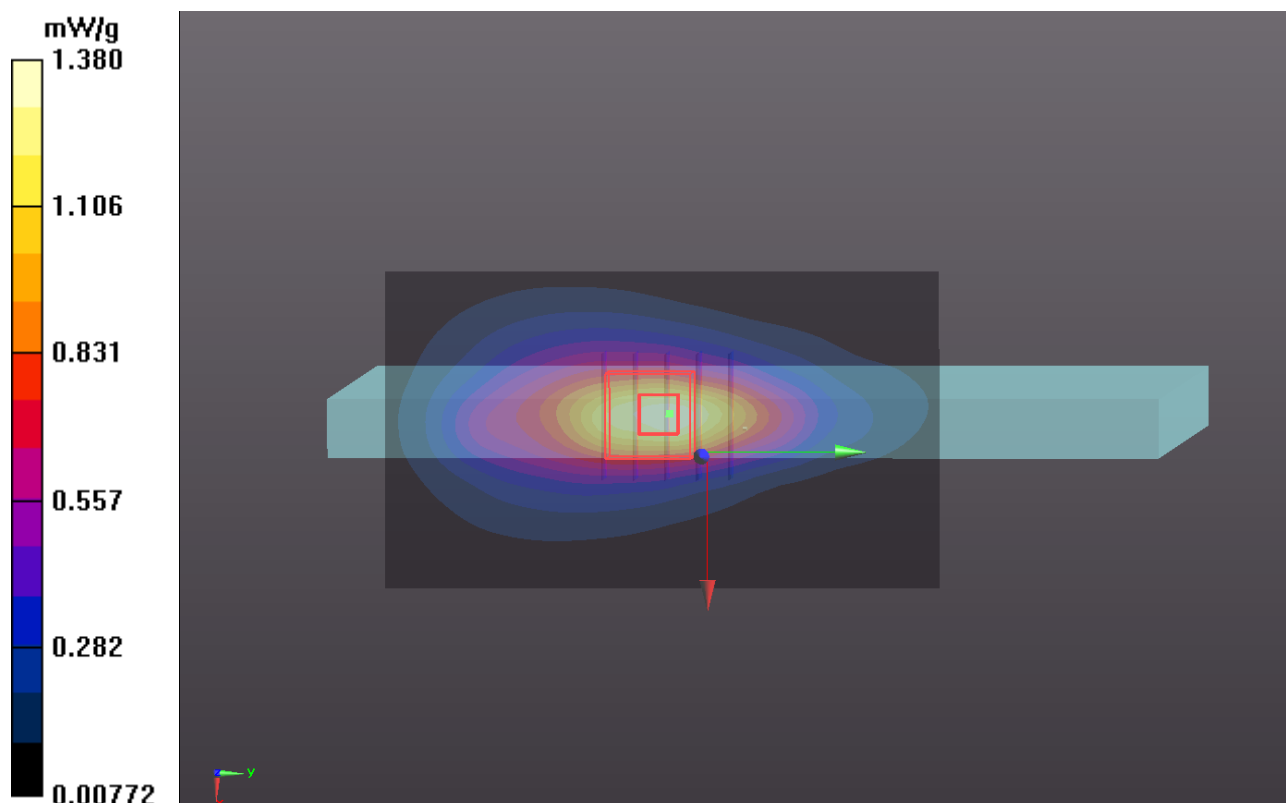
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.769 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.737 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.631 mW/g

Maximum value of SAR (measured) = 1.42 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/m³

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

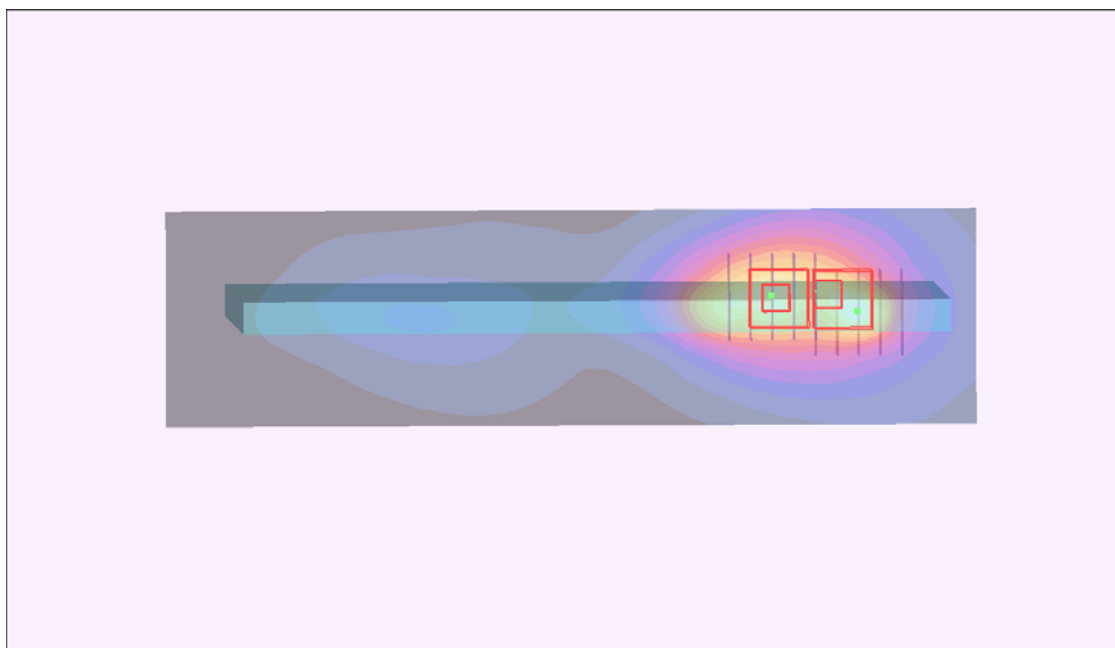
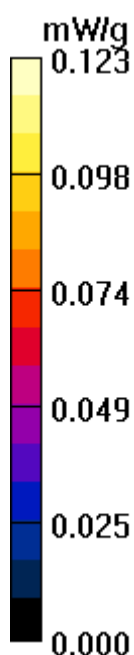
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

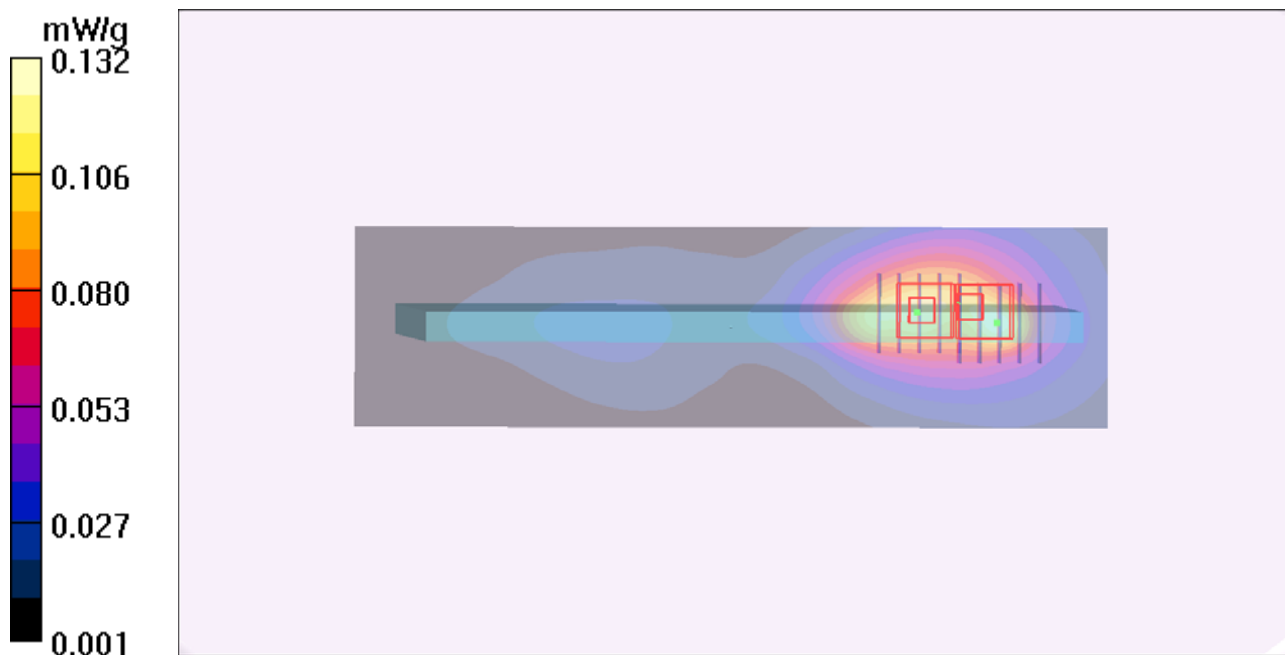
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

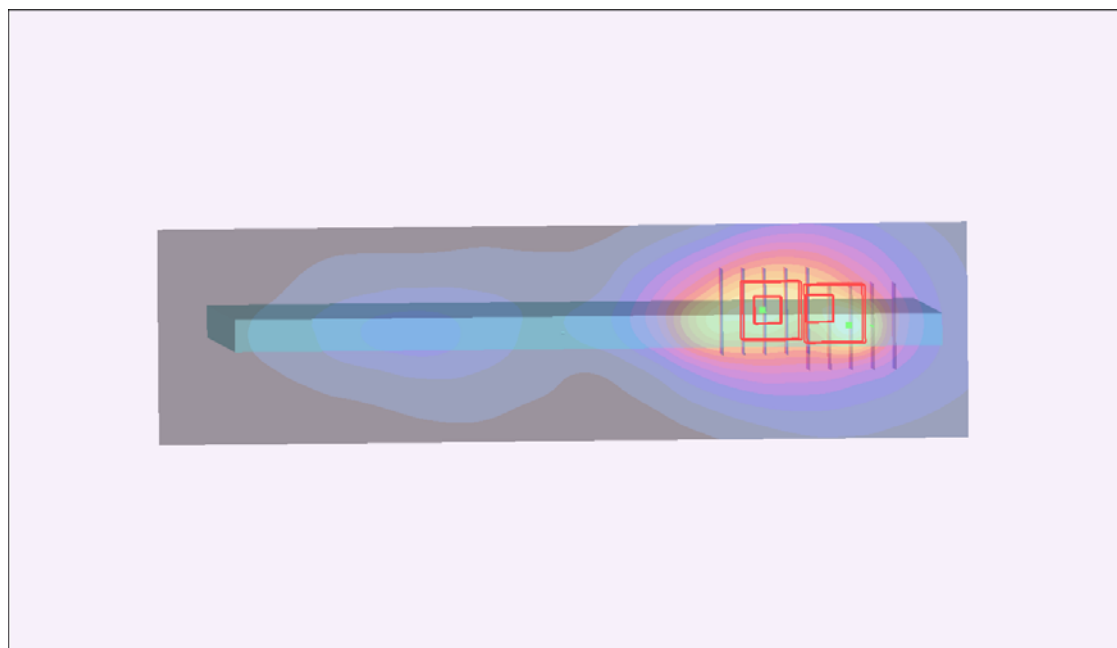
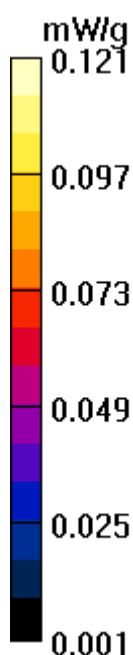
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

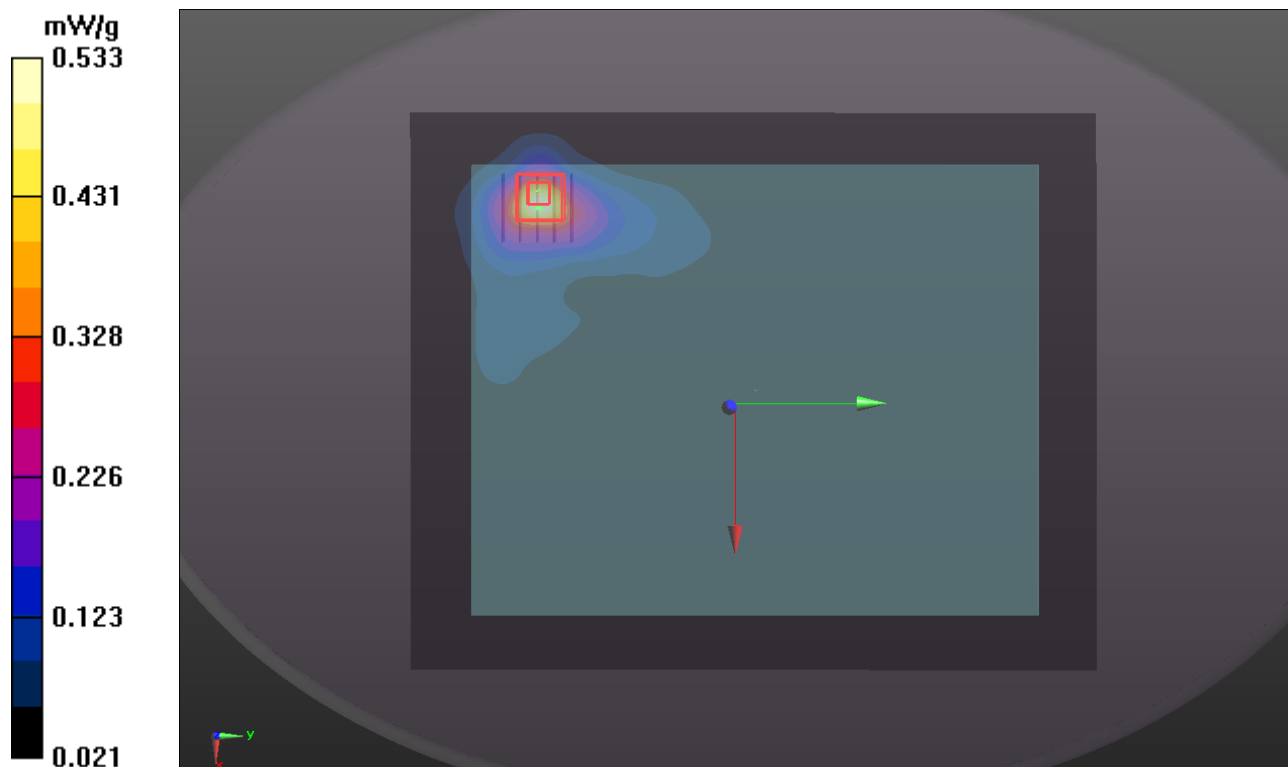
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

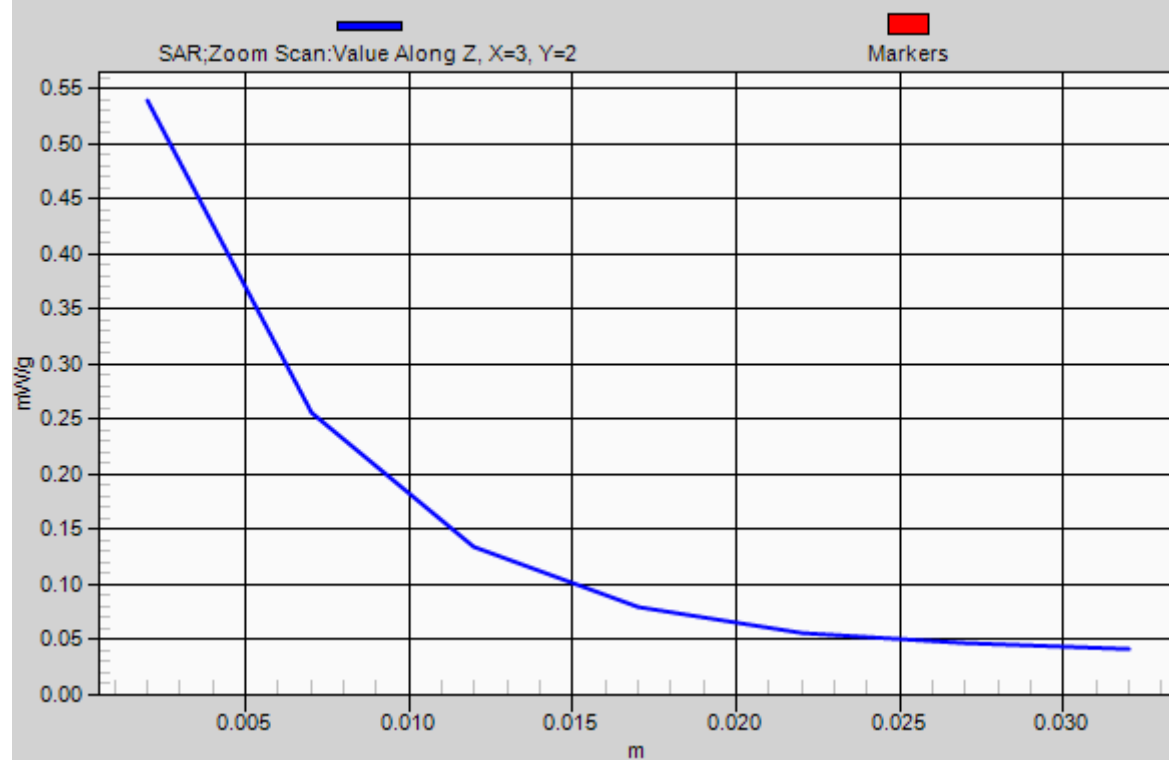
Peak SAR (extrapolated) = 0.7550

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/m³

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

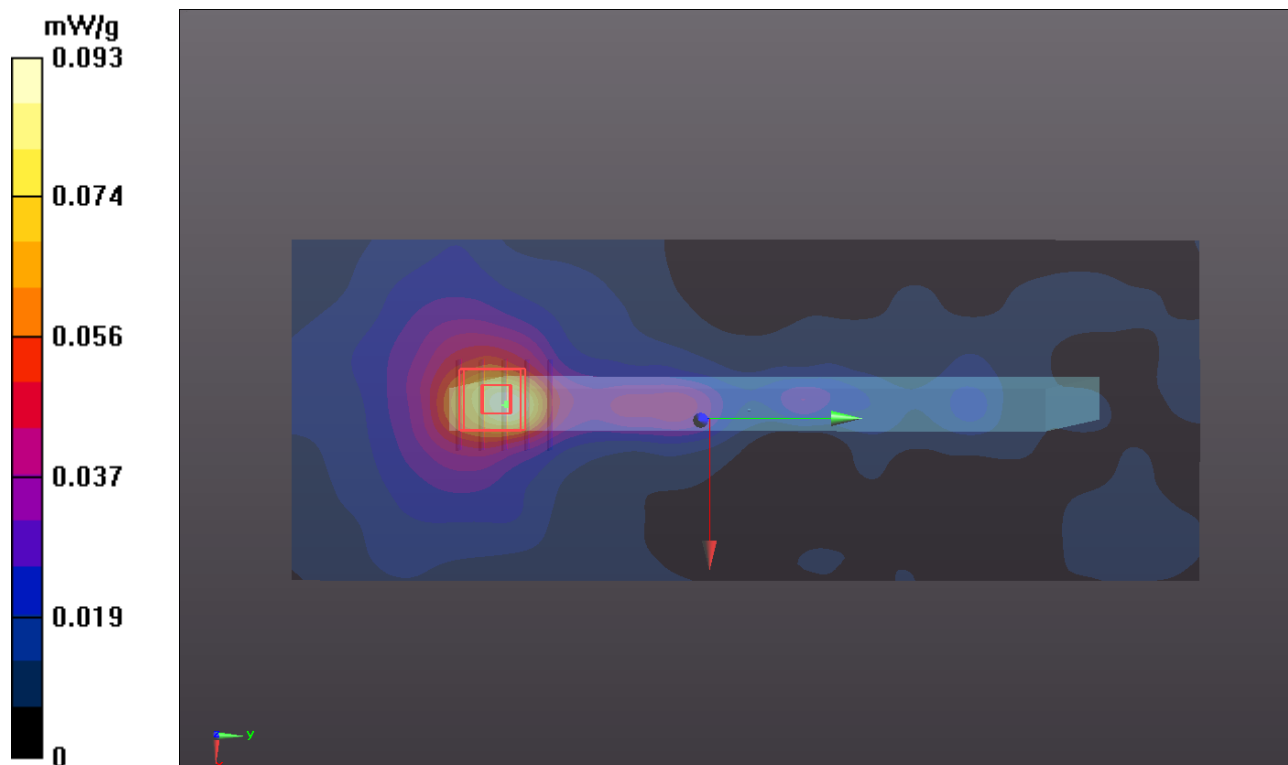
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

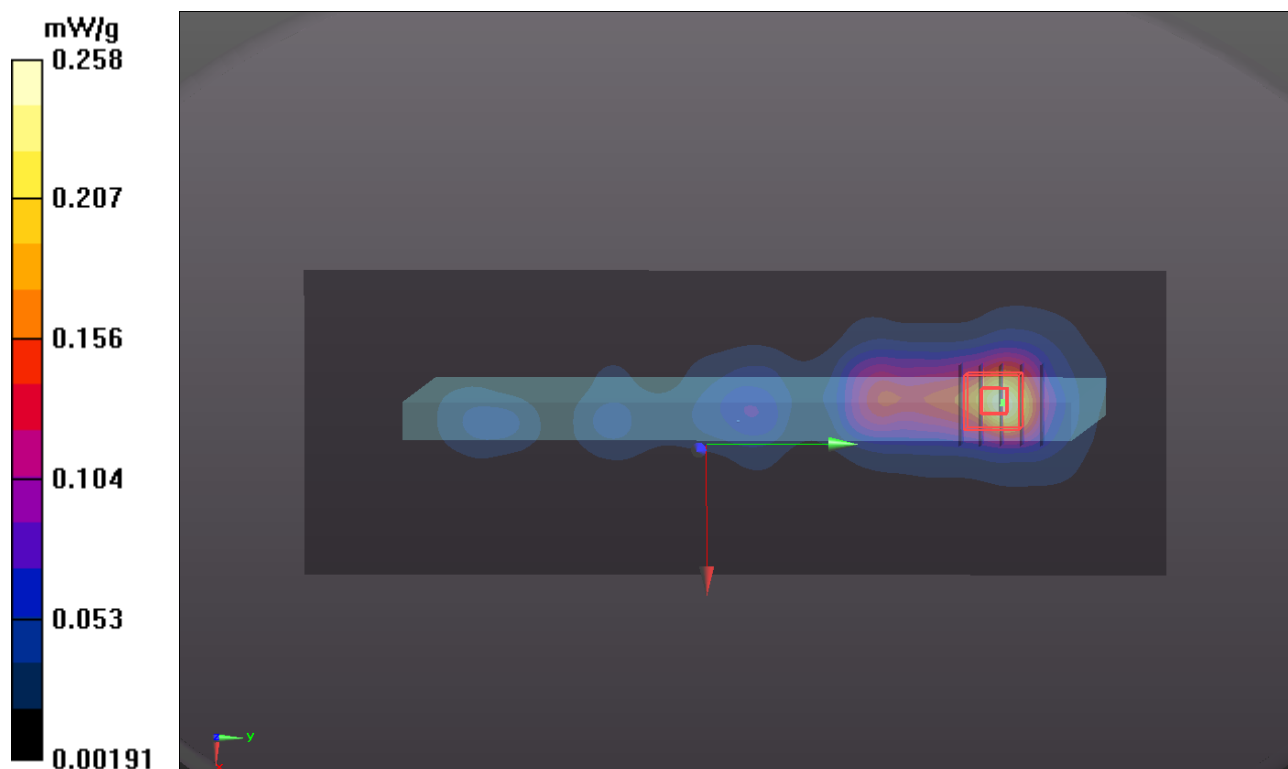
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m³

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

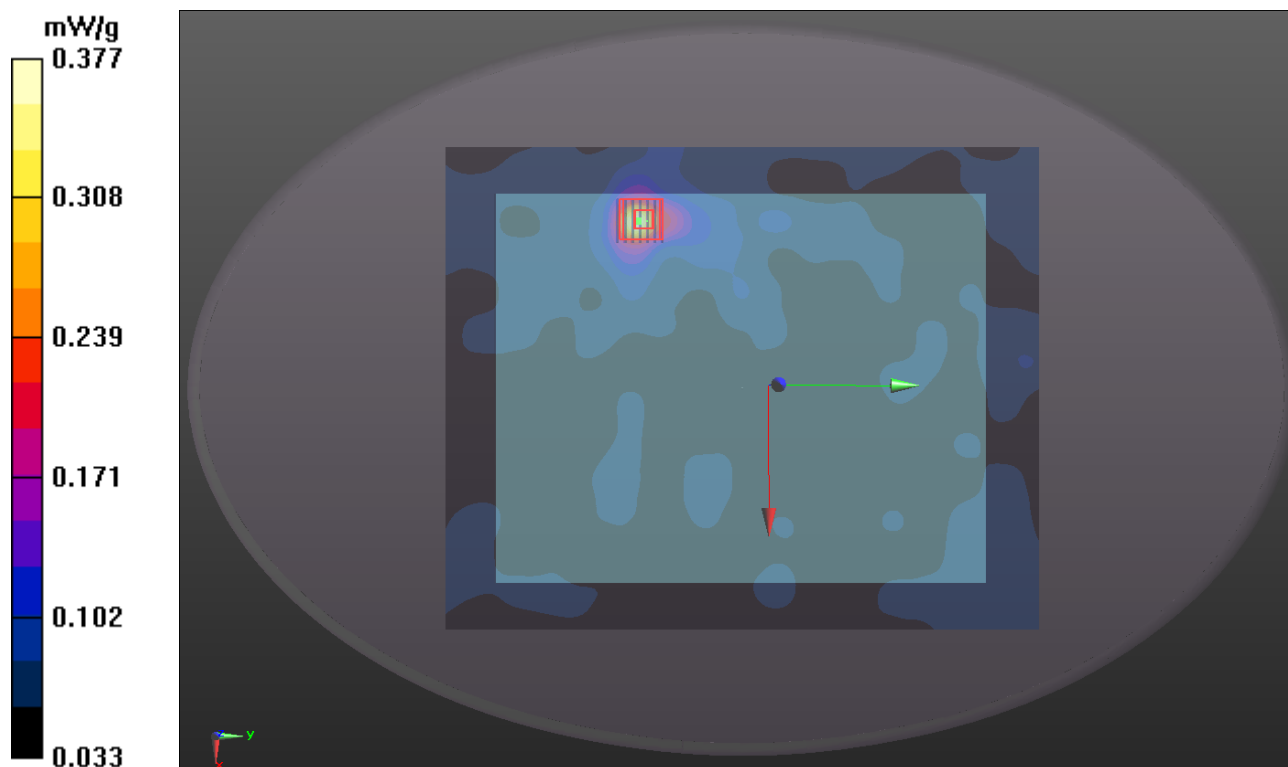
Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

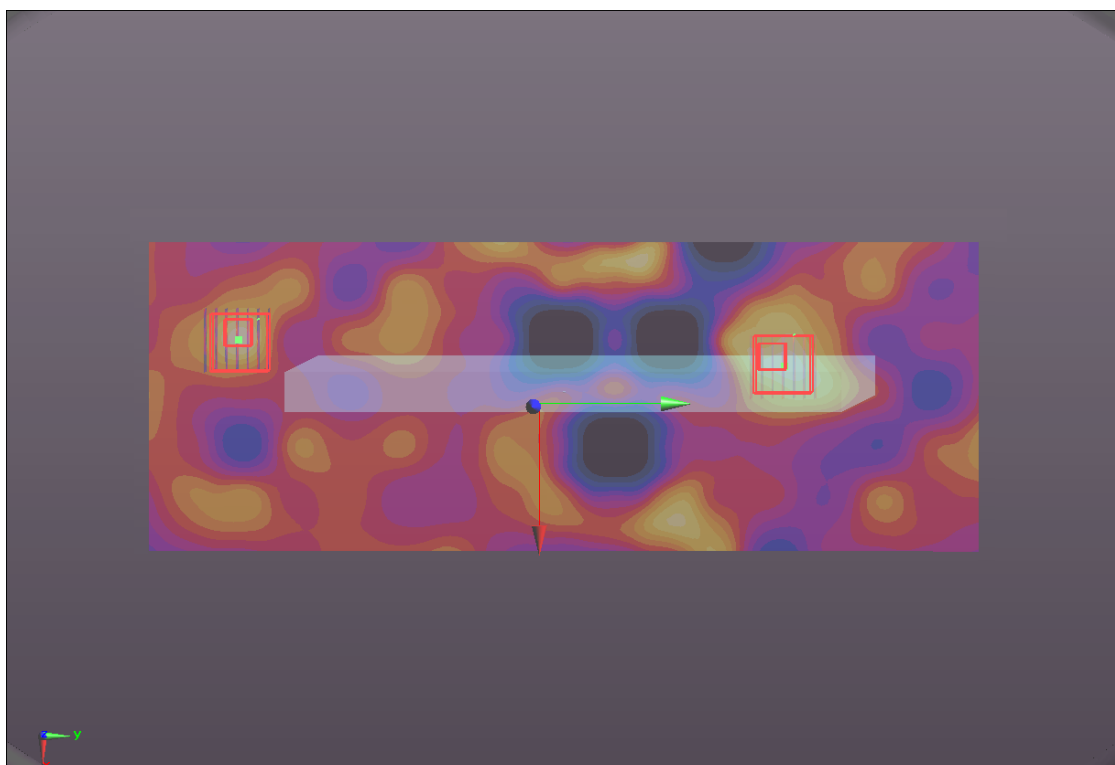
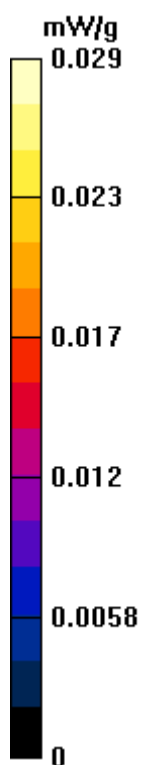
Maximum value of SAR (measured) = 0.023 mW/g

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/m³

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

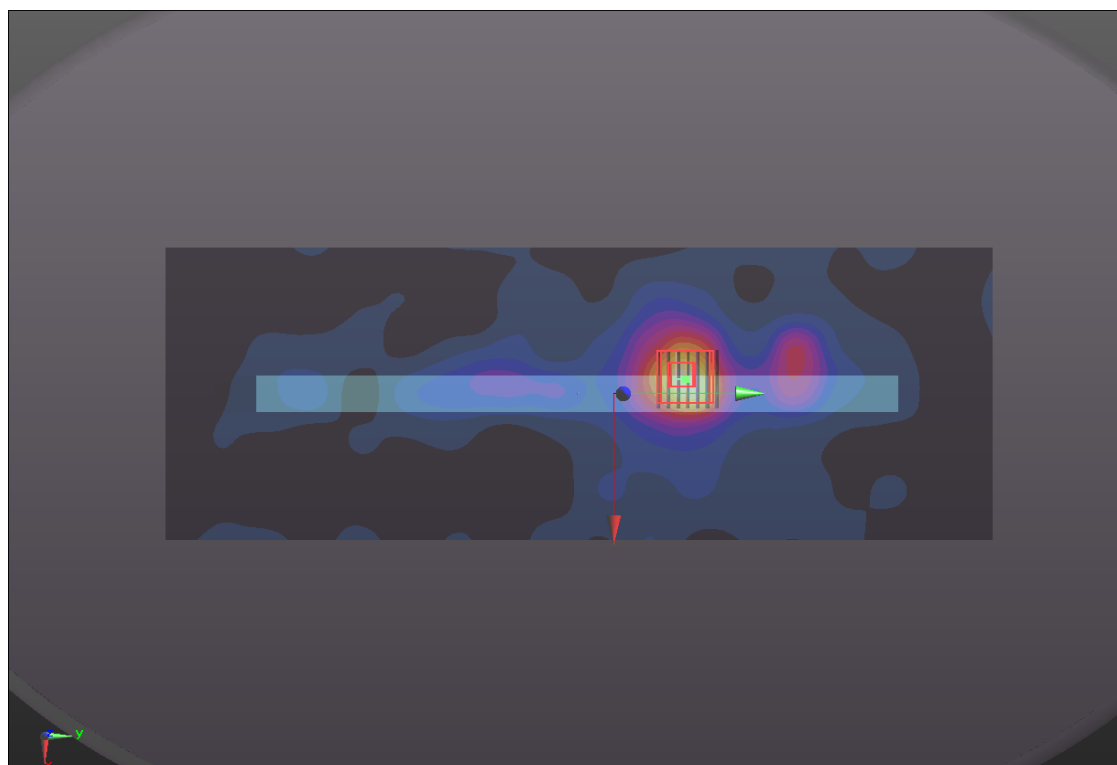
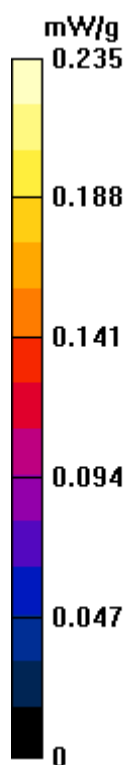
Ch36/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

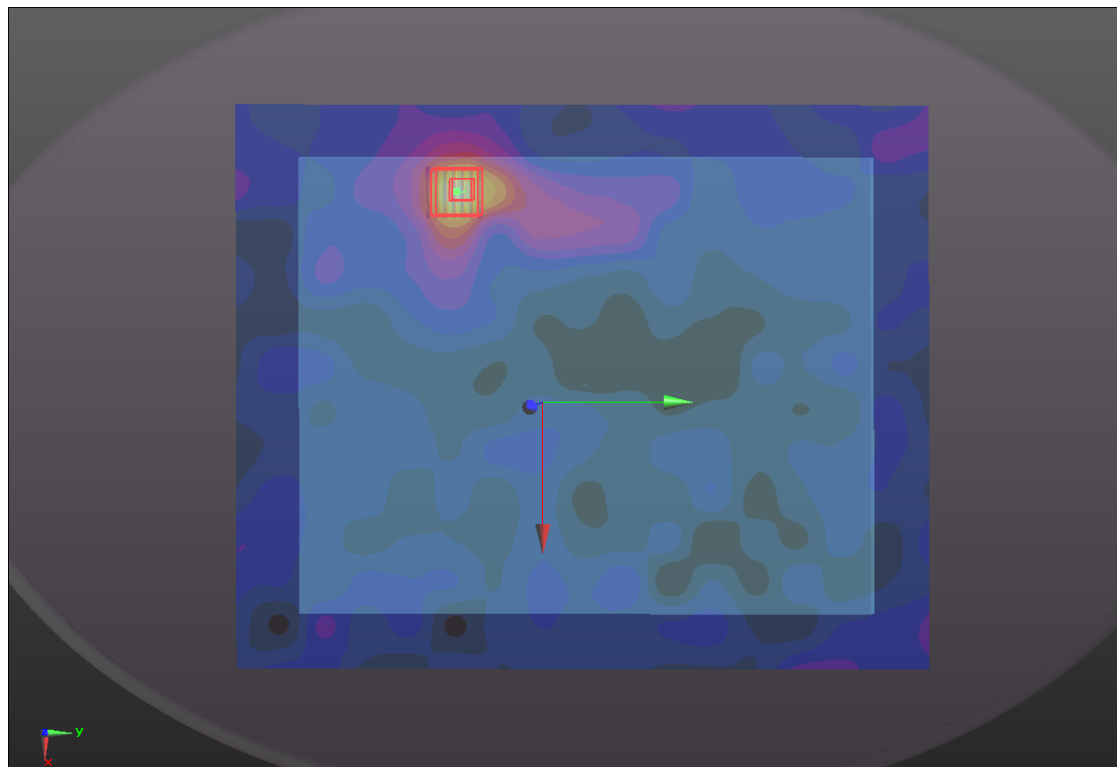
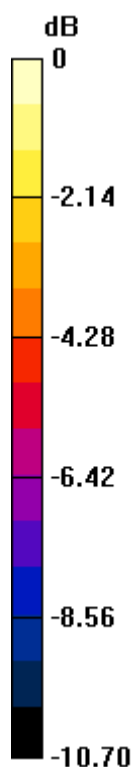
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

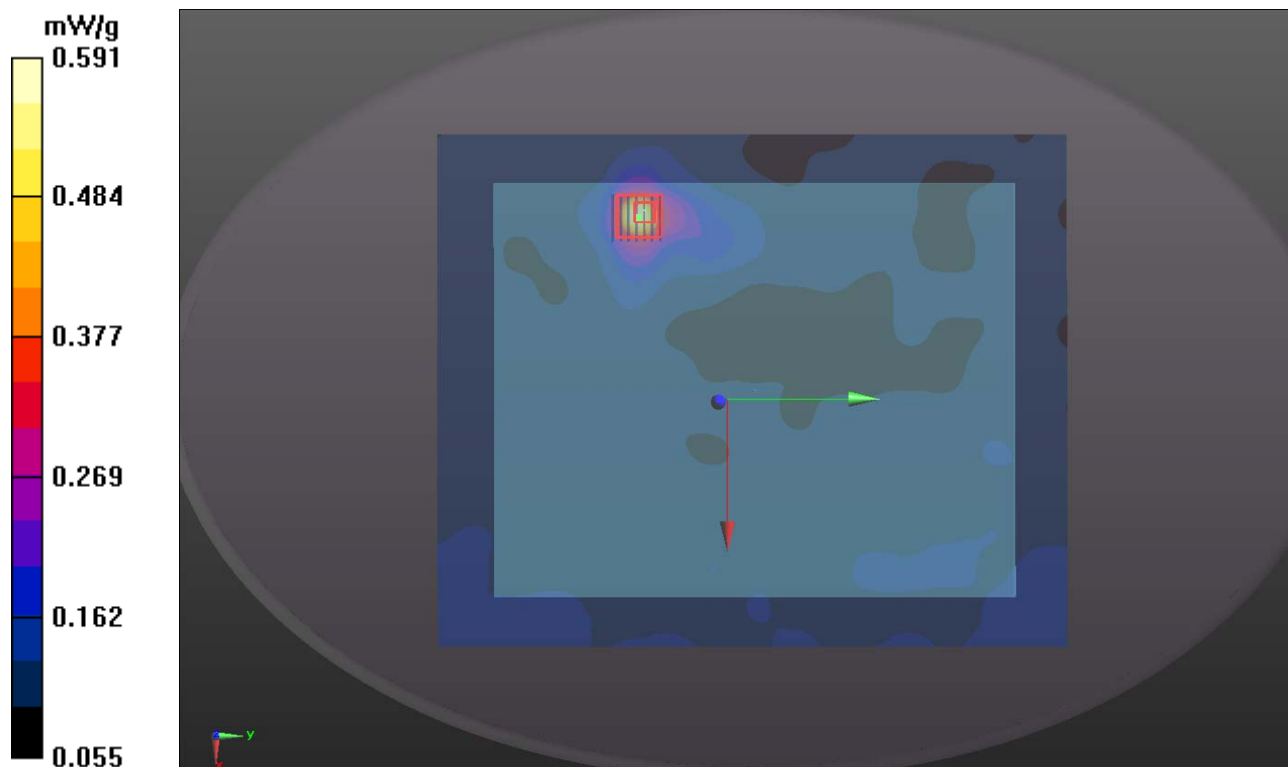
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

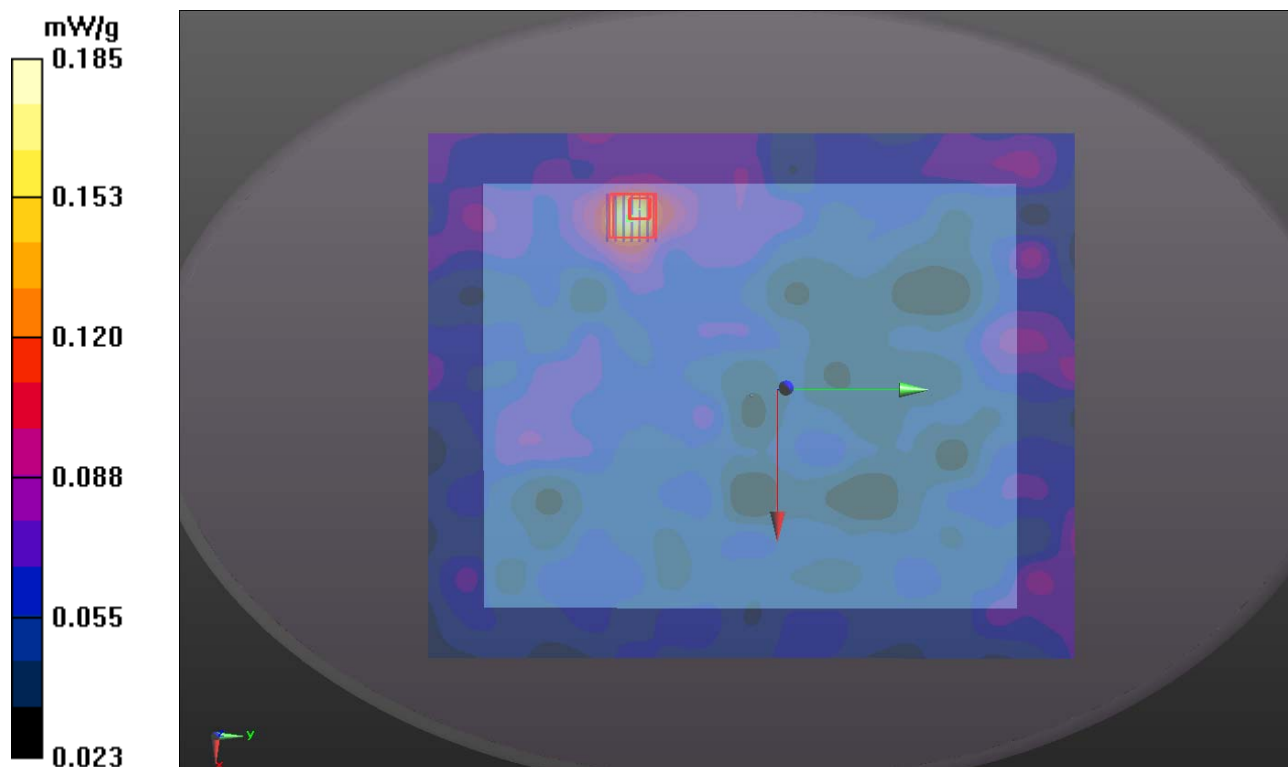
Ch56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

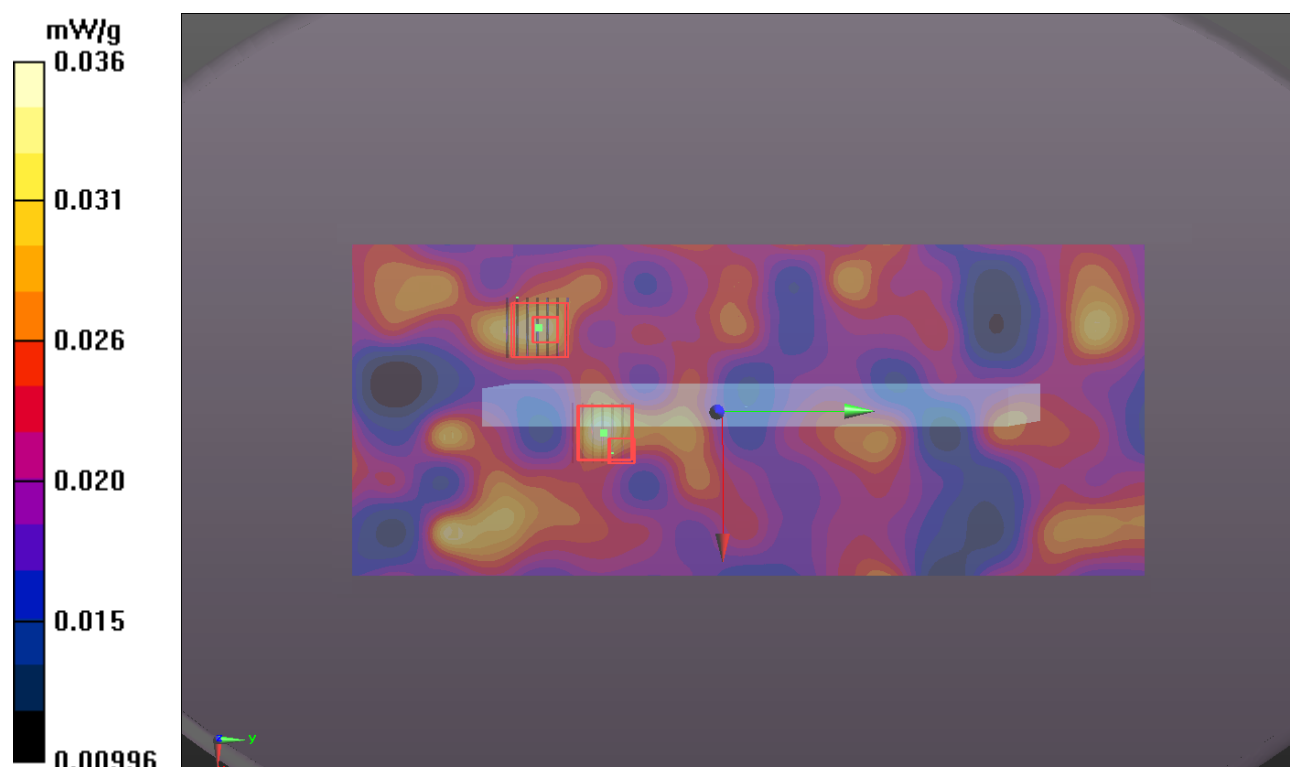
Ch56/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

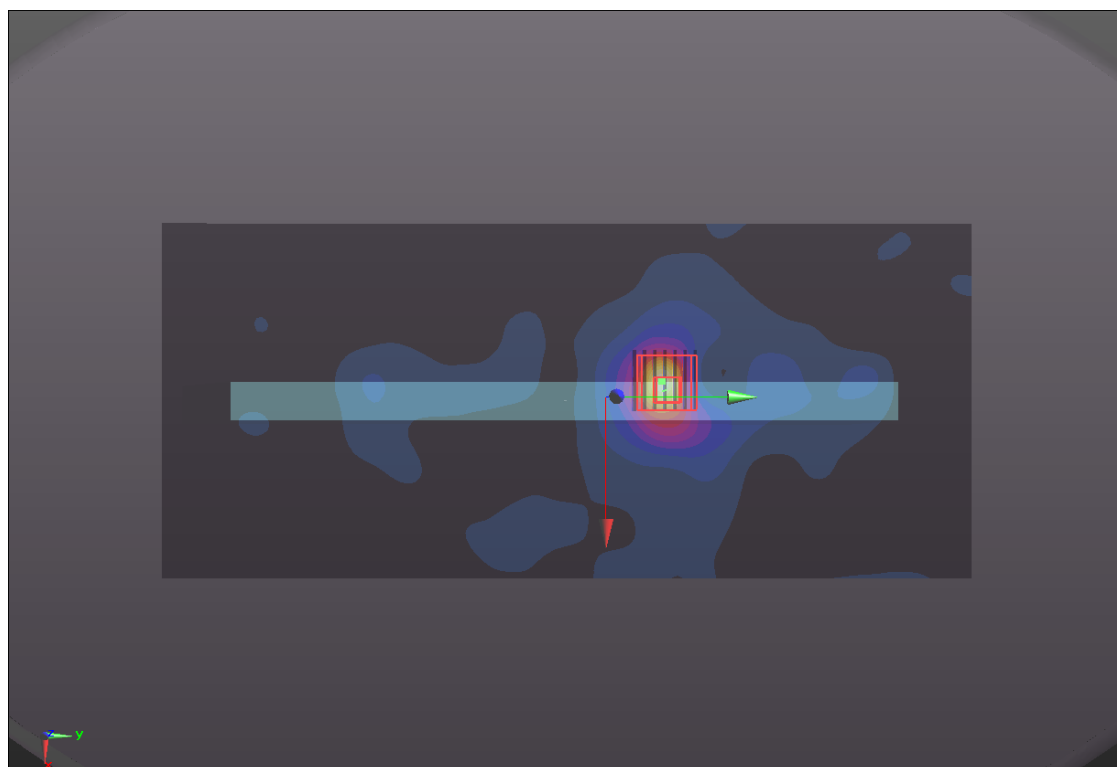
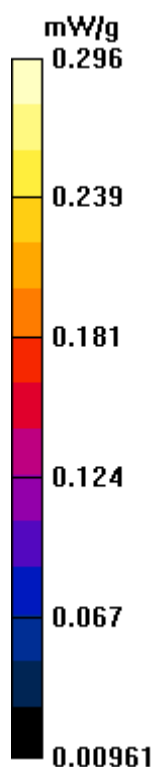
Ch56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

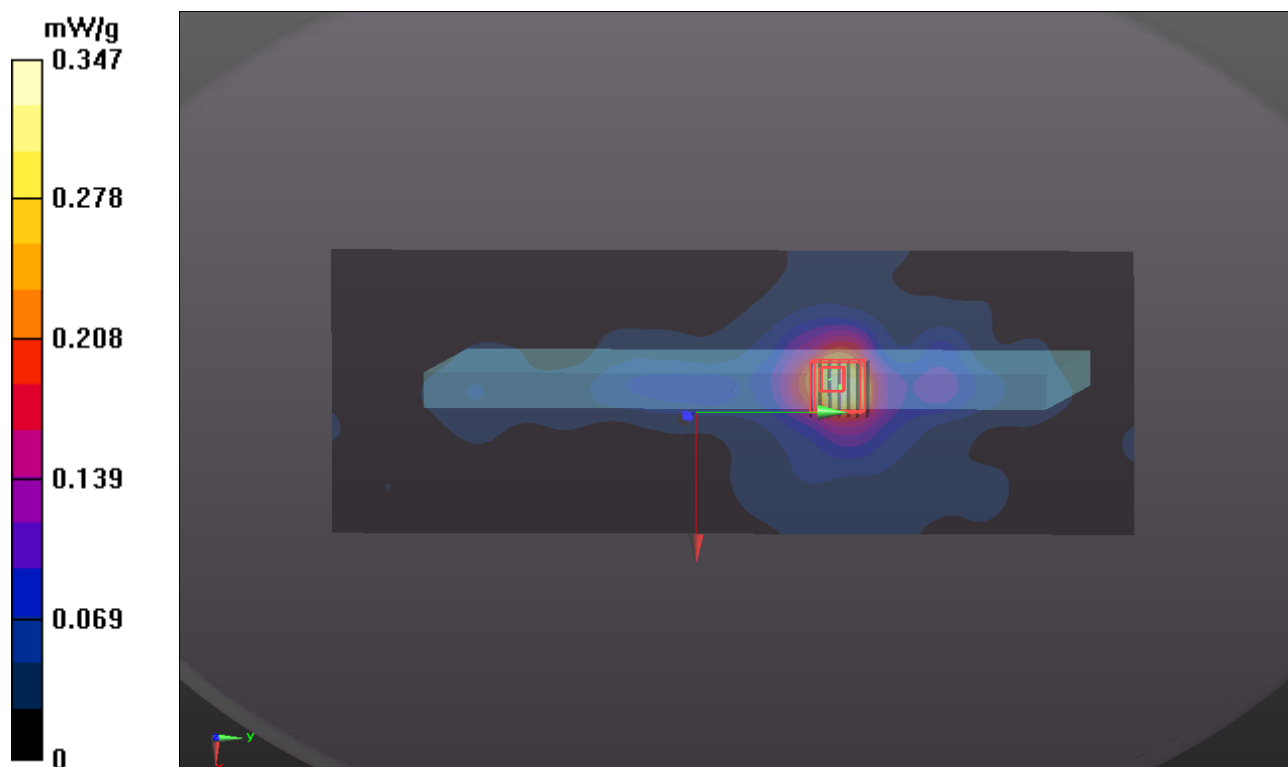
Ch56/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

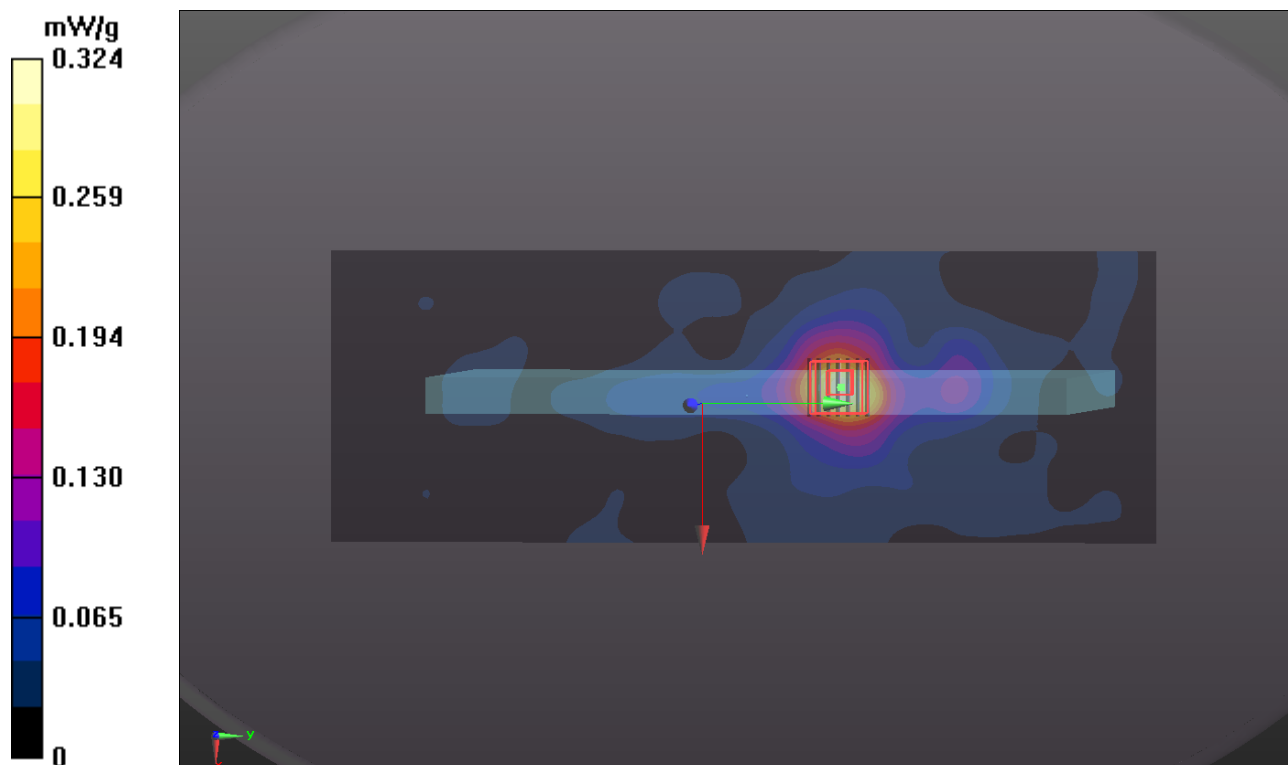
Ch62/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

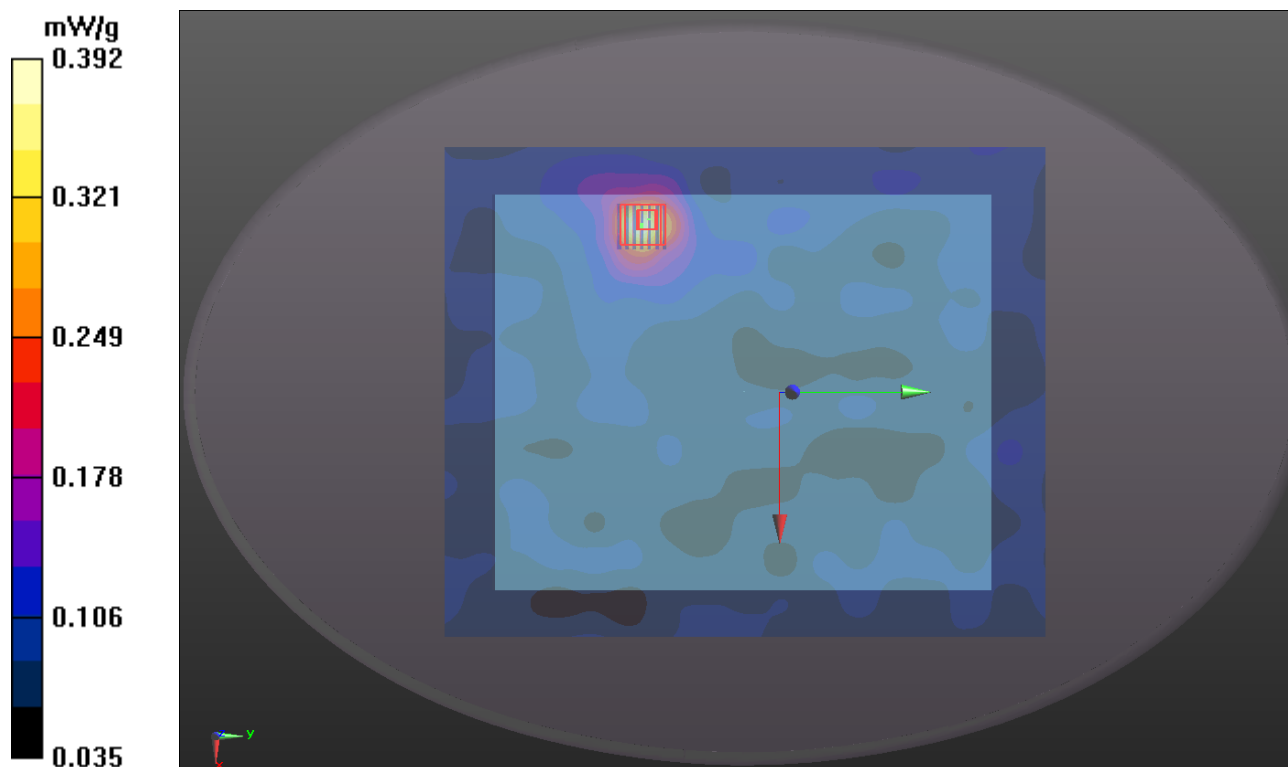
Ch112/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

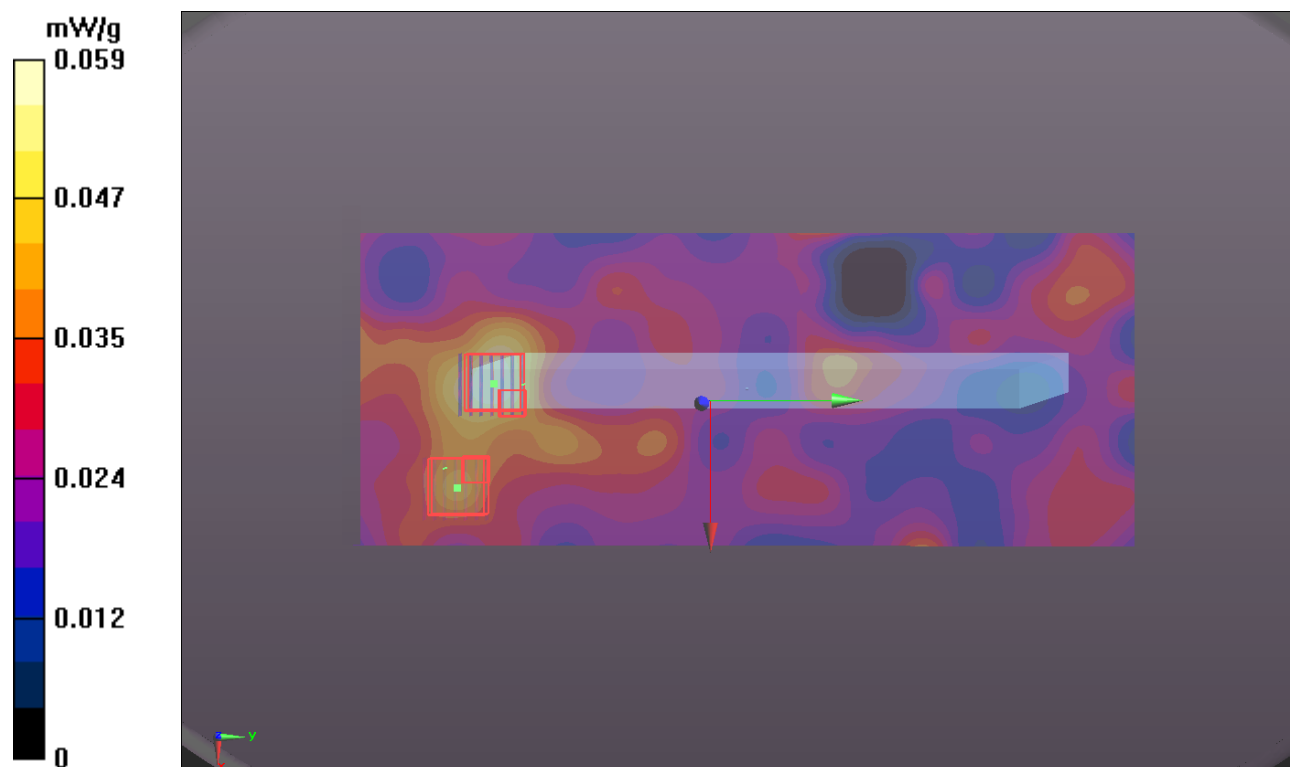
Ch112/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

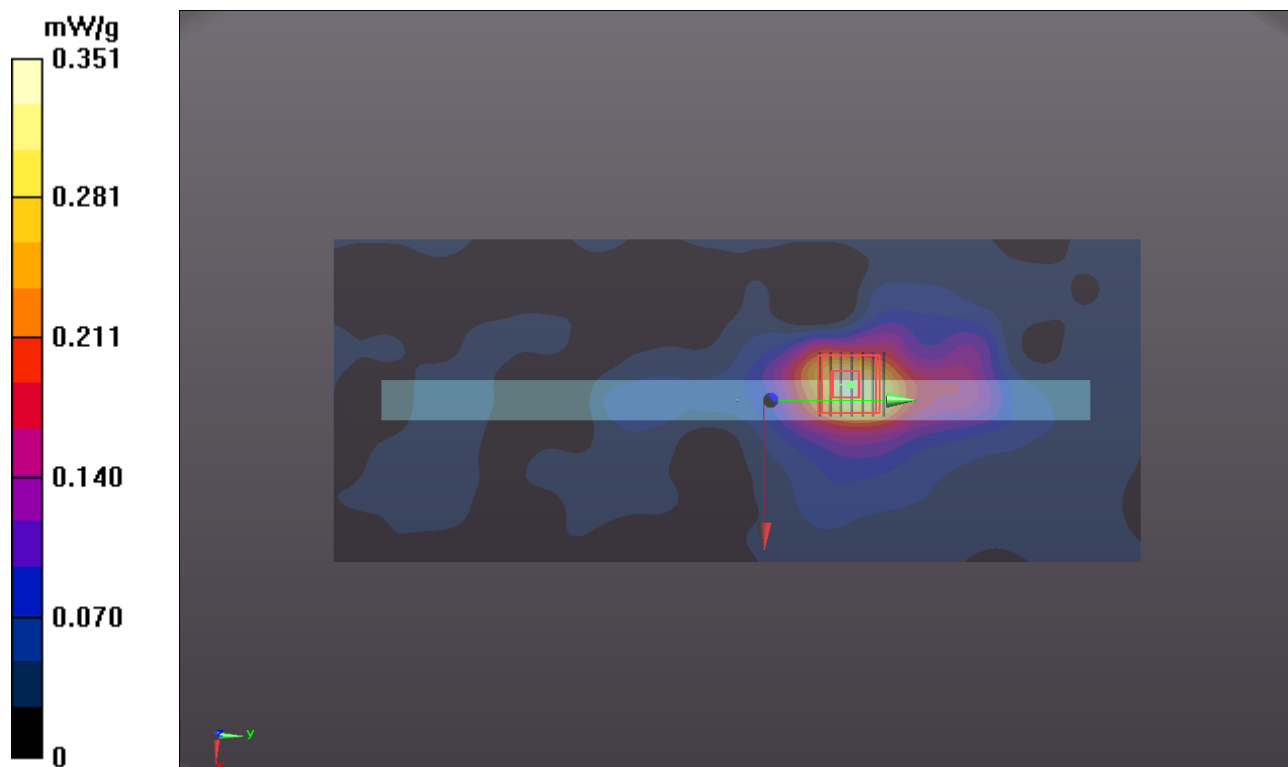
Ch112/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

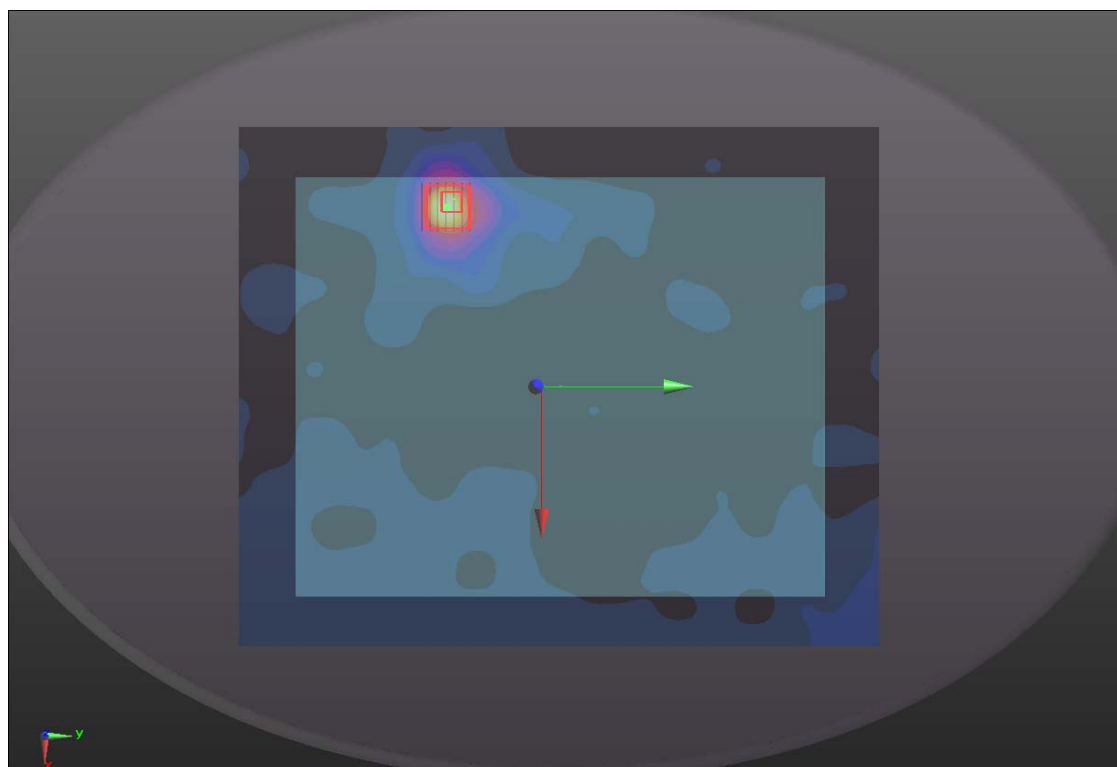
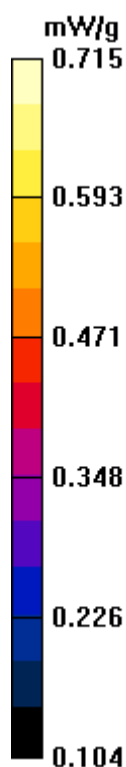
Ch112/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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

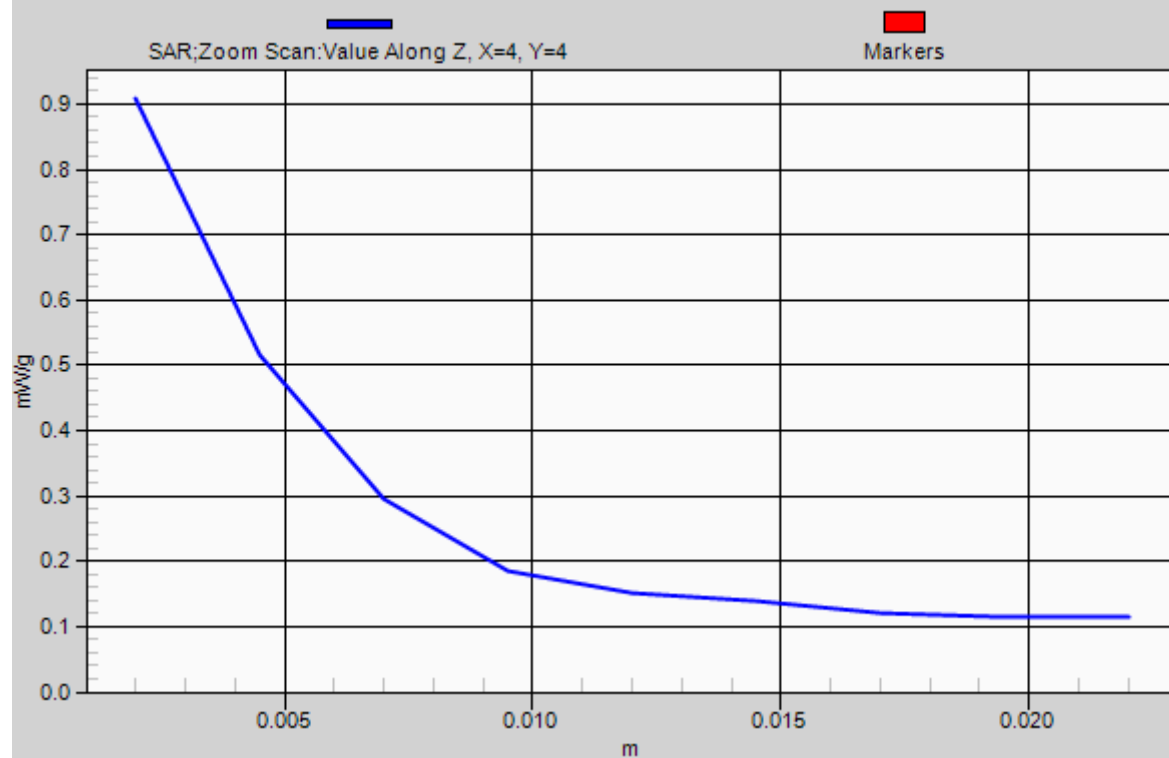
Peak SAR (extrapolated) = 1.6300

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/m³

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

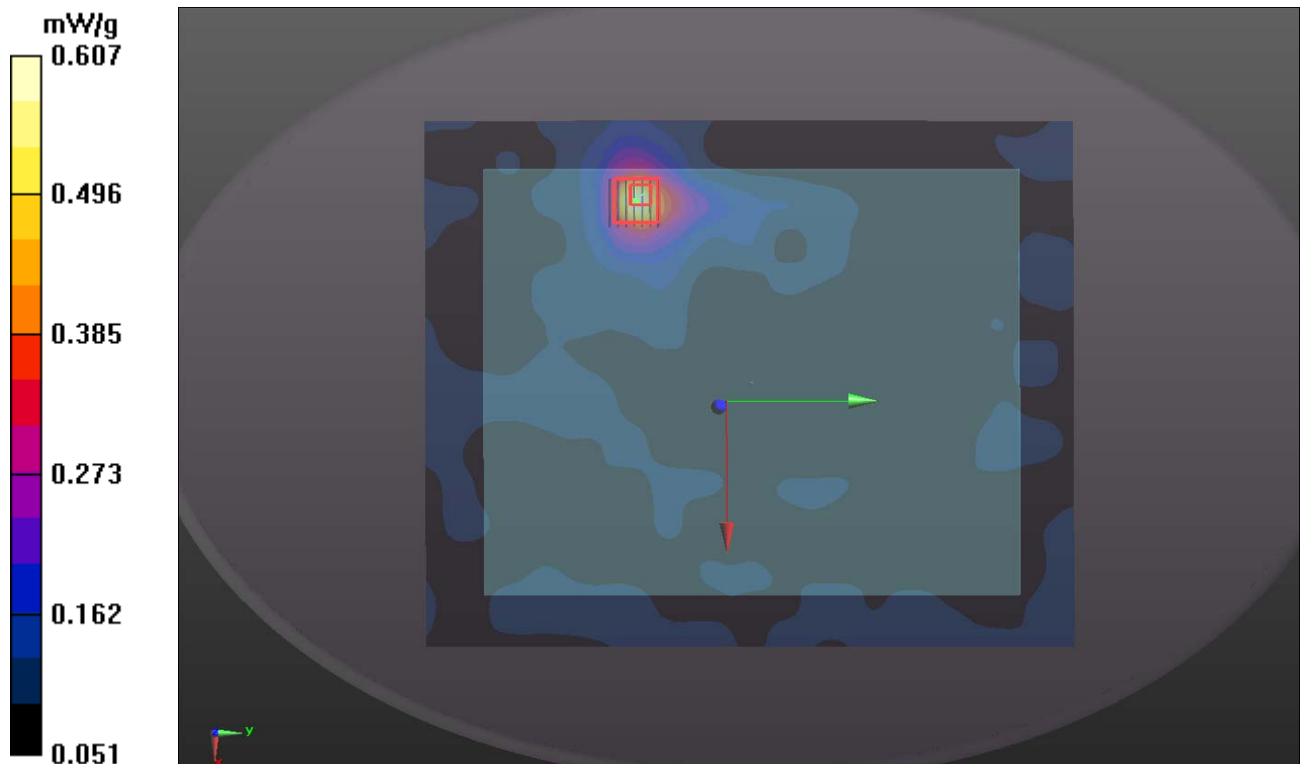
Ch102/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

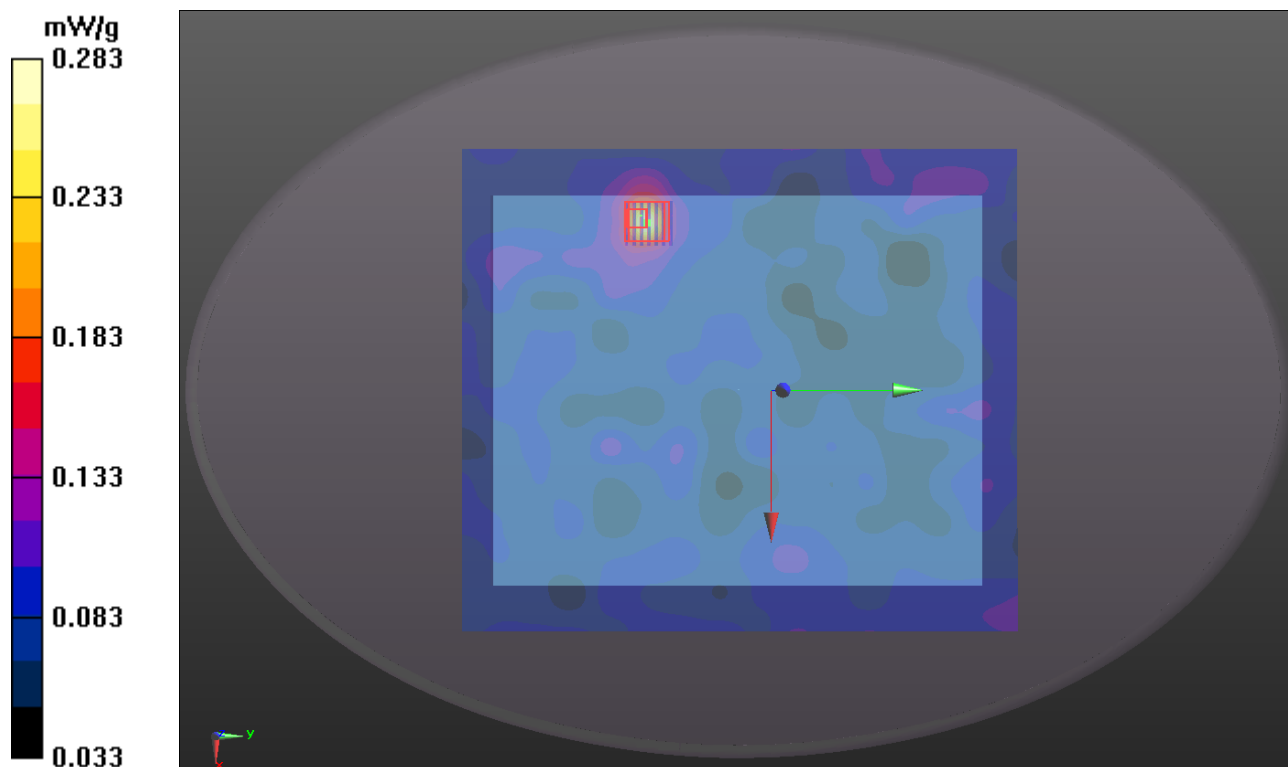
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

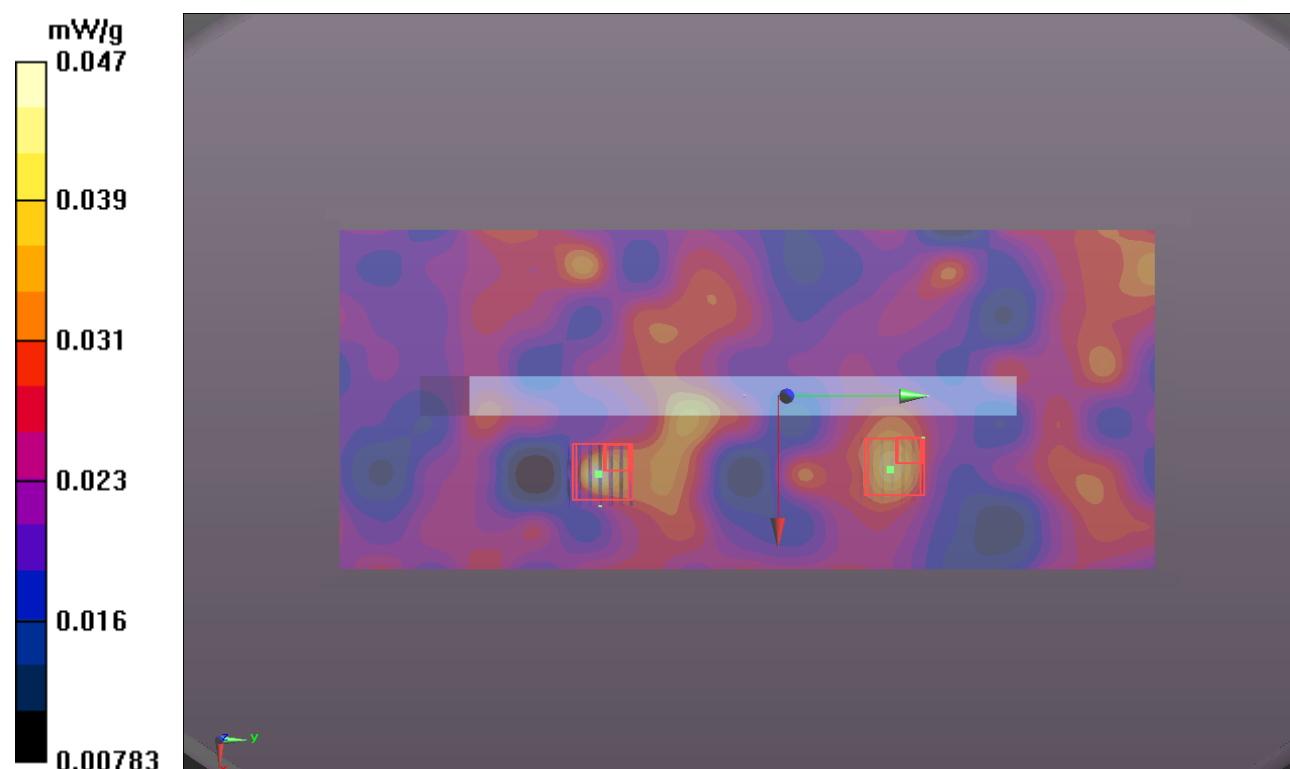
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

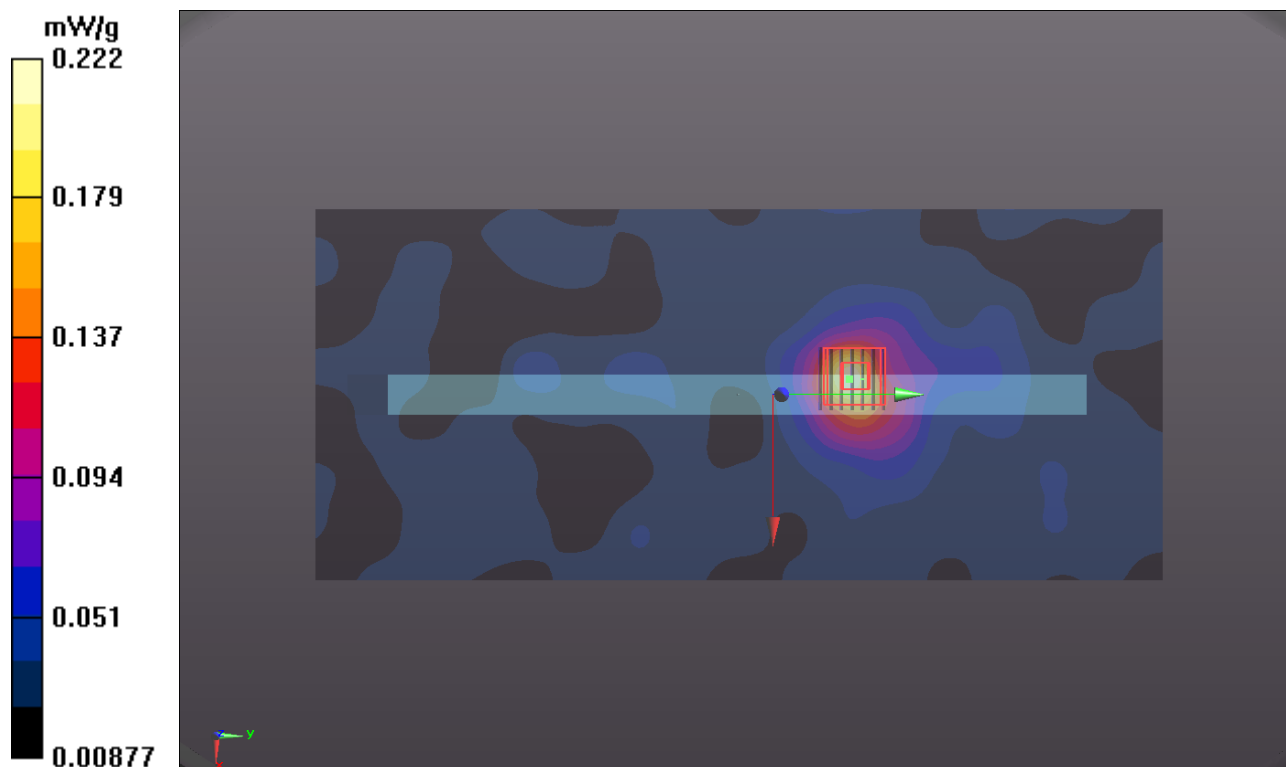
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

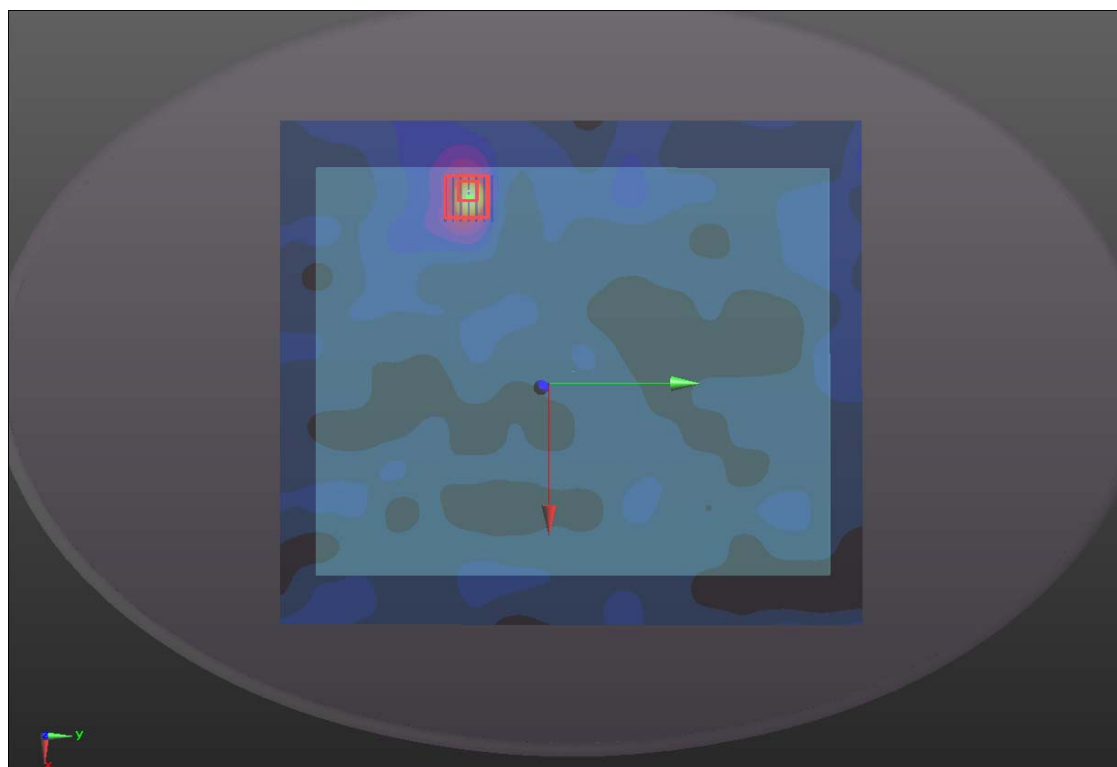
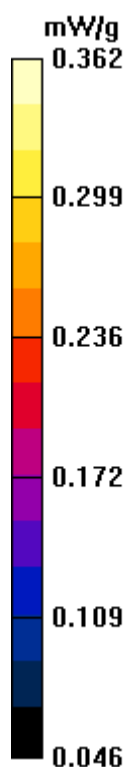
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

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/m³

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

