



Appendix A. SAR Plots of System Verification

The plots for system verification are shown as follows.

System Check_B750_120904**DUT: Dipole 750 MHz; Type: D750V3; SN: 1013**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 750$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 55.252$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.82 W/kg

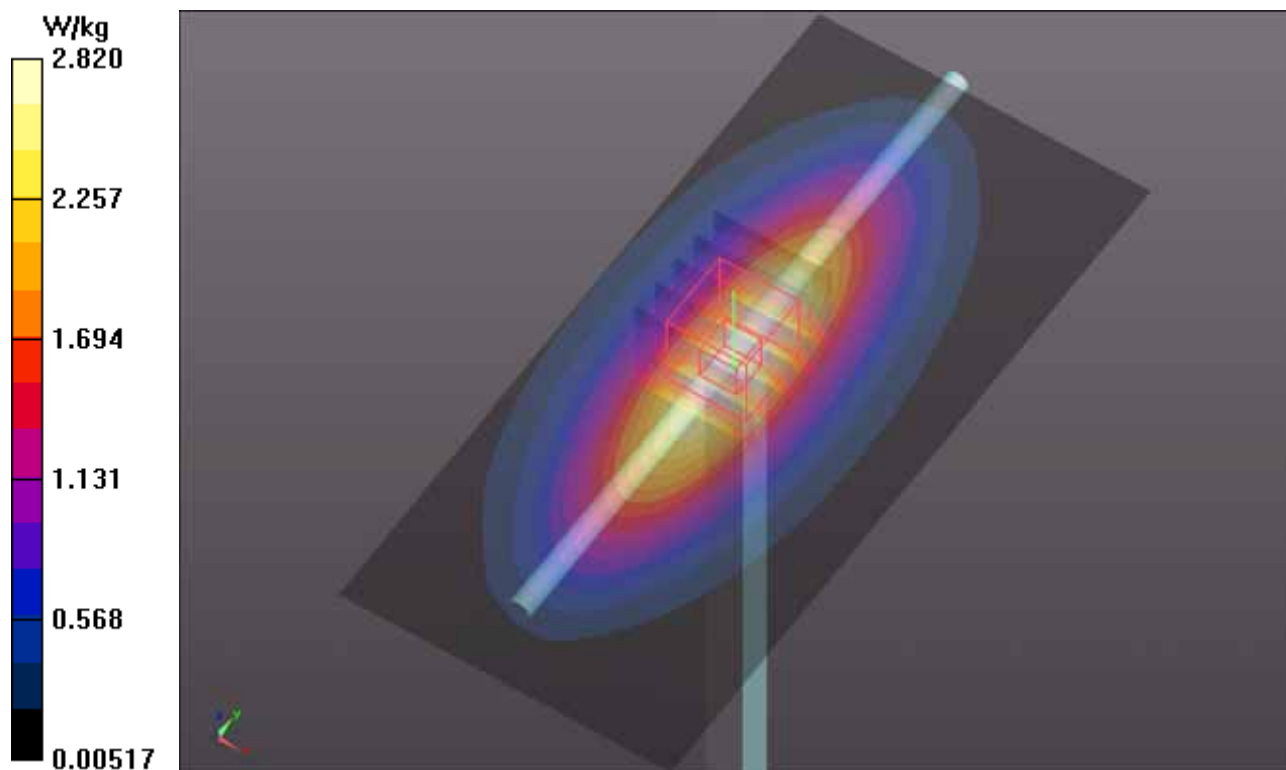
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.328 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.333 mW/g

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (measured) = 2.89 W/kg



System Check_B835_120828**DUT: Dipole 835 MHz; Type: D835V2; SN: 4d021**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: B835_0828 Medium parameters used: $f = 835$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 3.00 mW/g

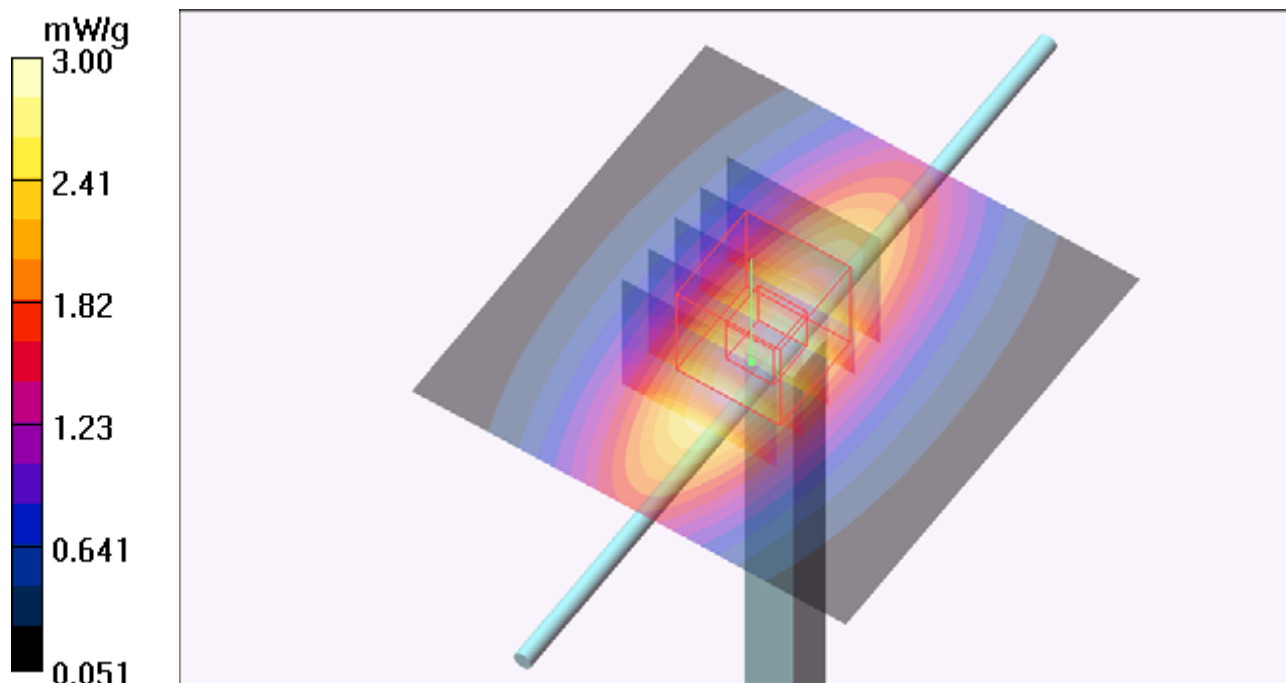
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.3 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.55 mW/g

Maximum value of SAR (measured) = 2.96 mW/g



System Check_B1750_120831**DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1023**

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.468$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 13.7 W/kg

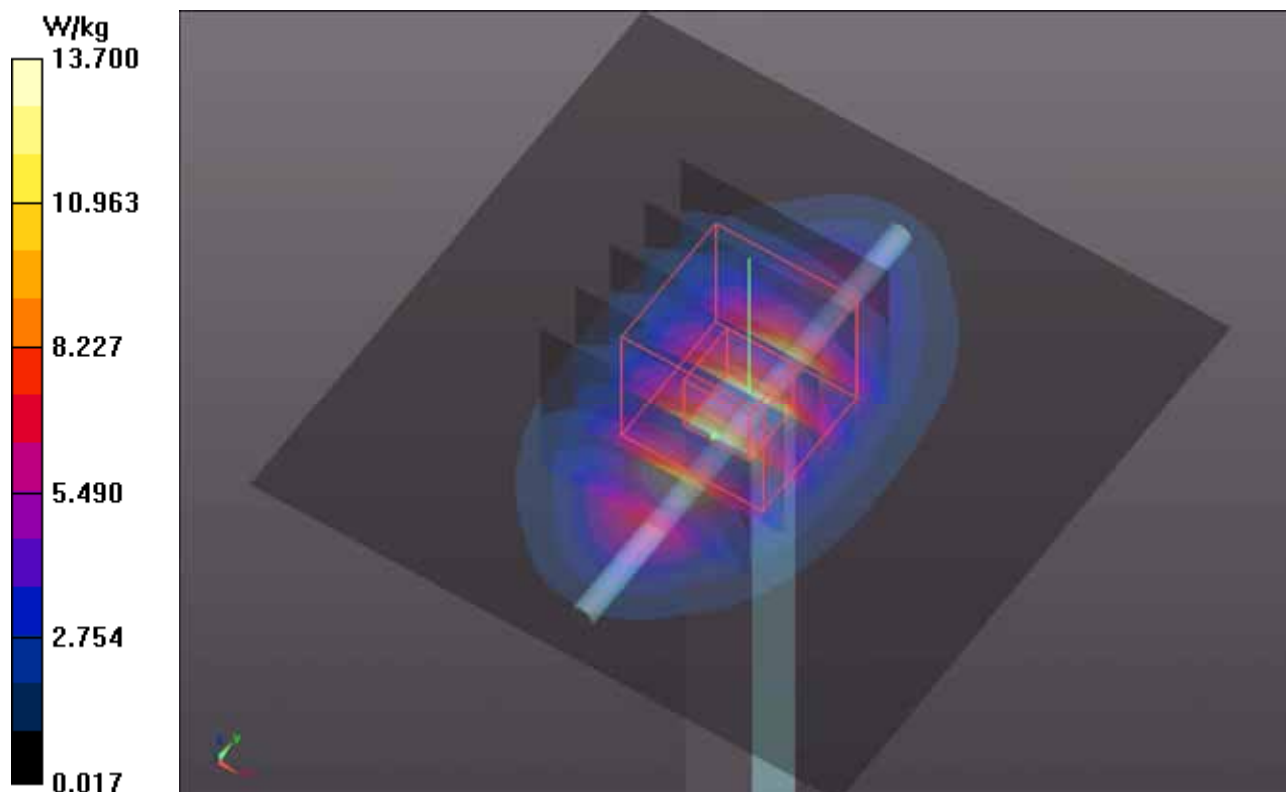
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.338 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.446 mW/g

SAR(1 g) = 9.48 mW/g; SAR(10 g) = 5.1 mW/g

Maximum value of SAR (measured) = 13.3 W/kg



System Check_B1750_120903**DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1023**

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.471$ mho/m; $\epsilon_r = 53.784$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 13.3 W/kg

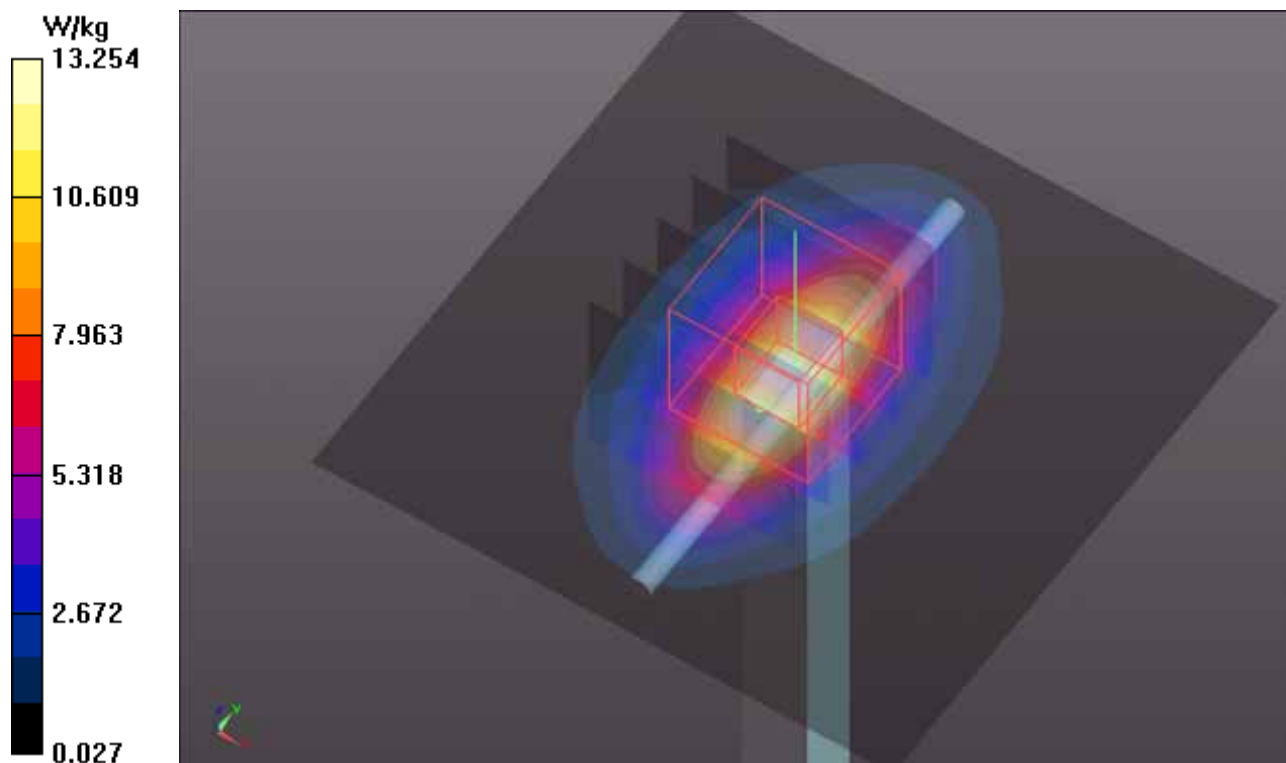
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.798 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.306 mW/g

SAR(1 g) = 9.23 mW/g; SAR(10 g) = 4.93 mW/g

Maximum value of SAR (measured) = 13.1 W/kg



System Check_B1900_120829**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: B1900_0829 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 14.7 mW/g

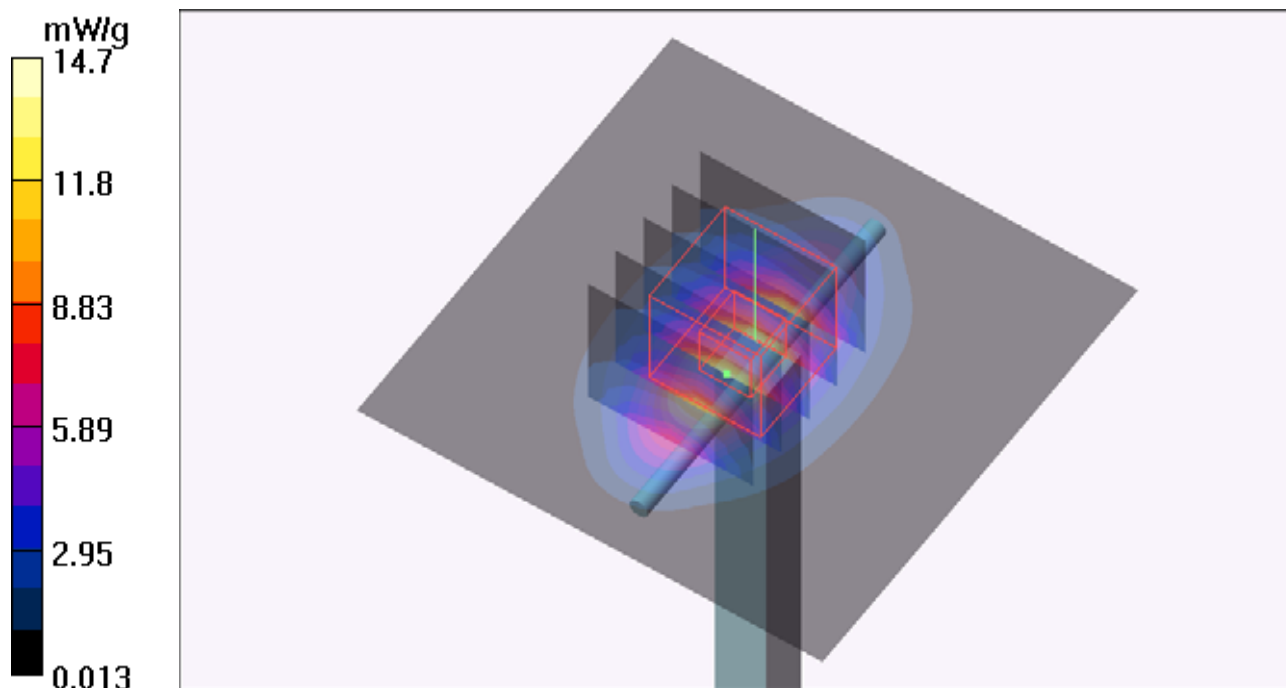
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.9 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 9.71 mW/g; SAR(10 g) = 5.04 mW/g

Maximum value of SAR (measured) = 13.7 mW/g



System Check_B1900_120905**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: B1900_0905 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.998$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 14.6 W/kg

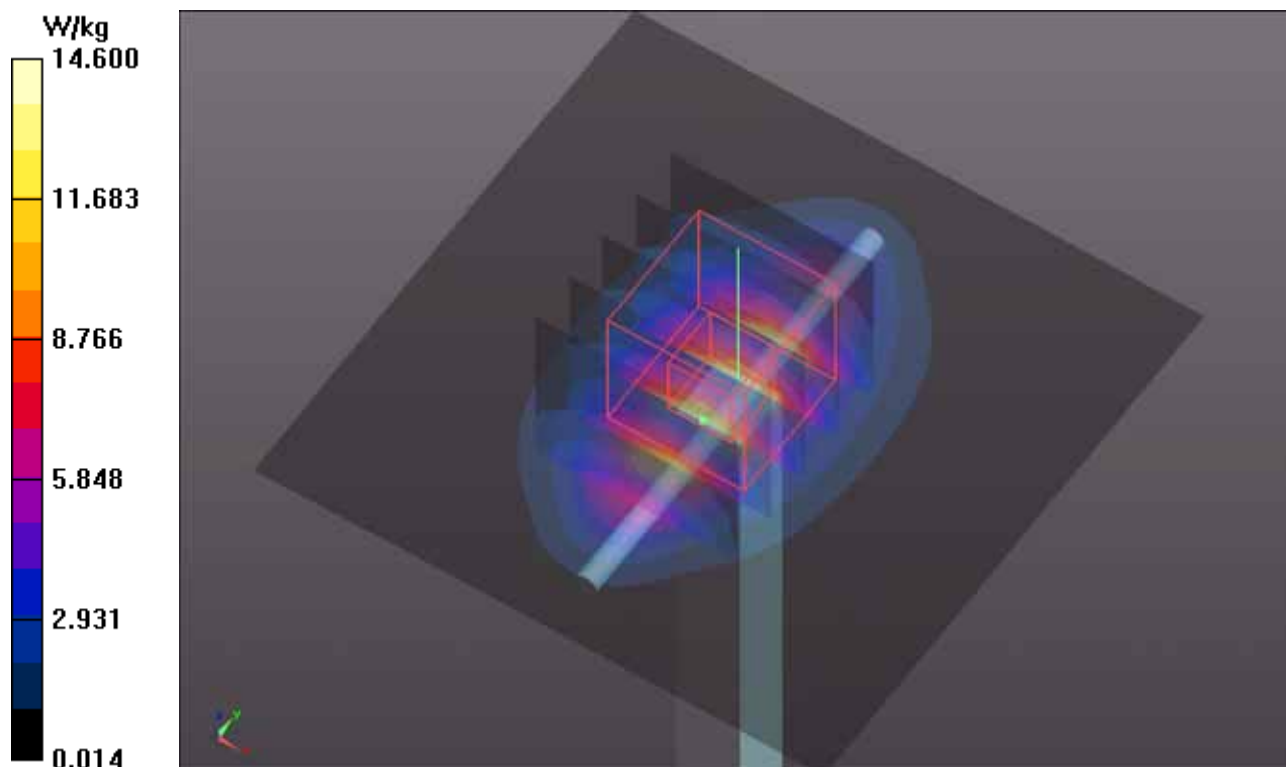
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.537 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 17.955 mW/g

SAR(1 g) = 9.95 mW/g; SAR(10 g) = 5.16 mW/g

Maximum value of SAR (measured) = 14.1 W/kg



System Check_B2450_120920**DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.999$ mho/m; $\epsilon_r = 52.351$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 21.1 W/kg

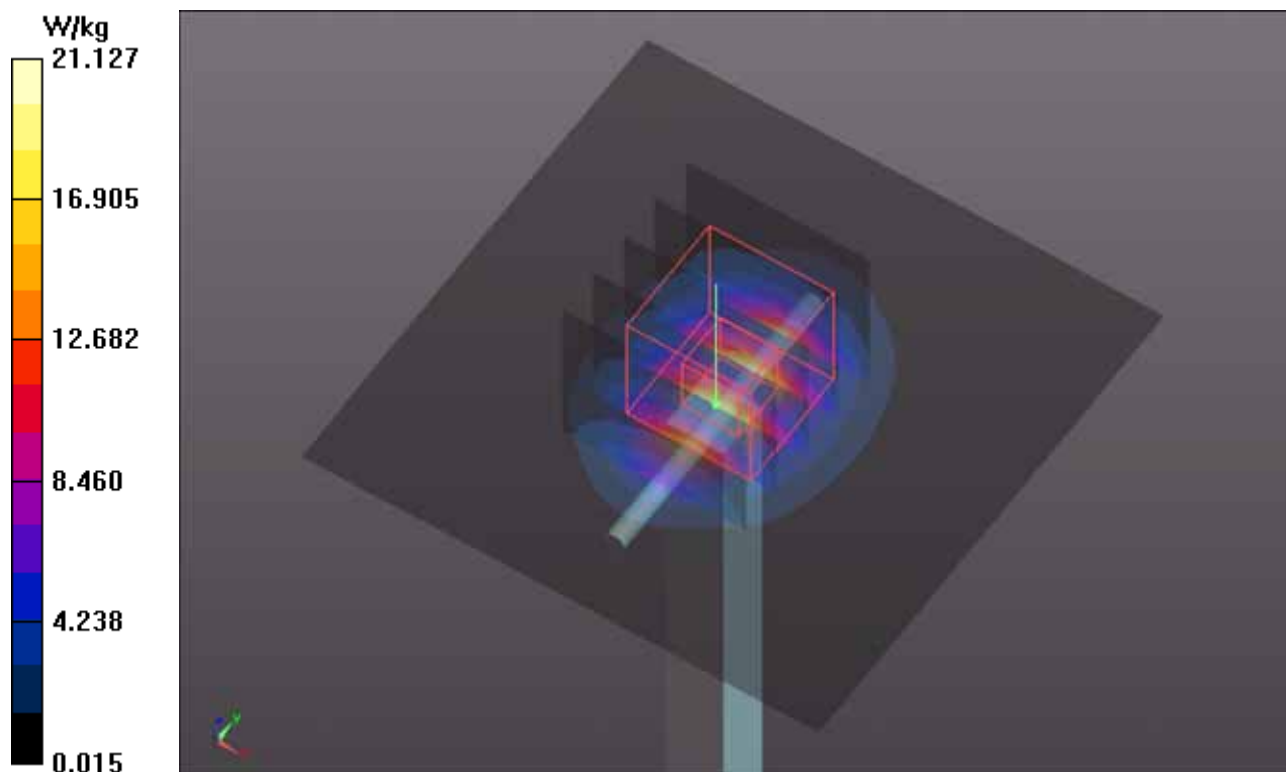
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 105.0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 27.999 mW/g

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.15 mW/g

Maximum value of SAR (measured) = 20.1 W/kg



System Check_B5200_120918**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0918 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.244$ mho/m; $\epsilon_r = 49.381$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 14.1 W/kg

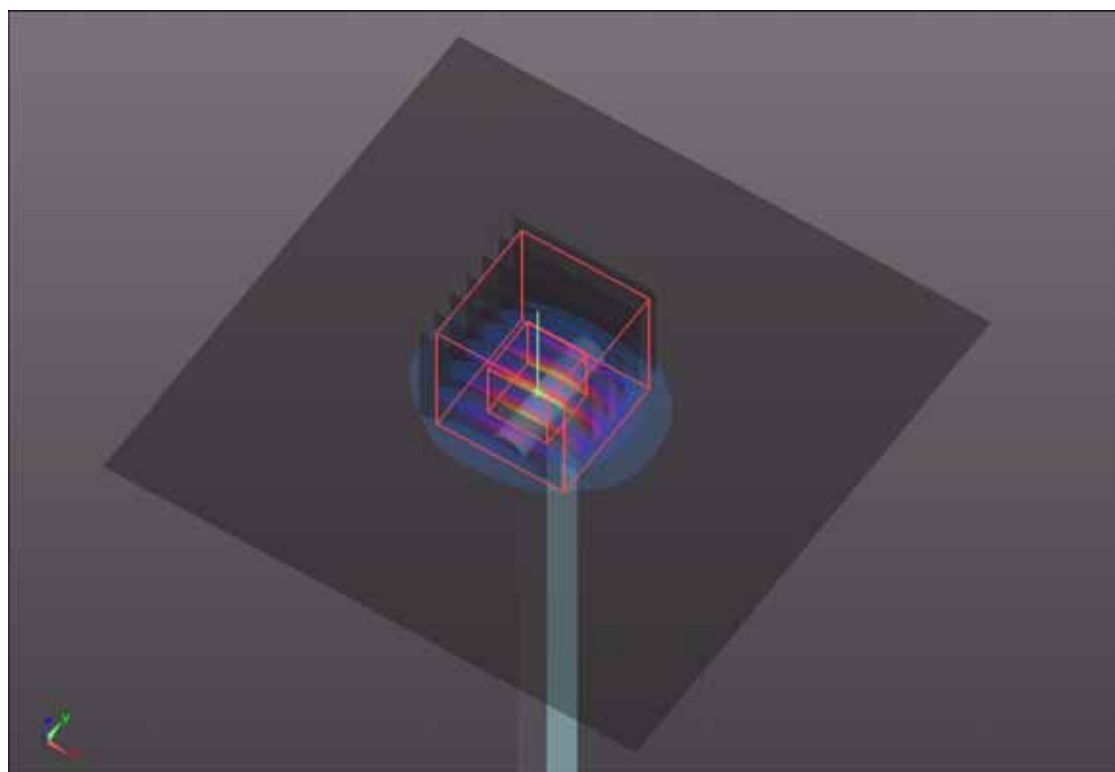
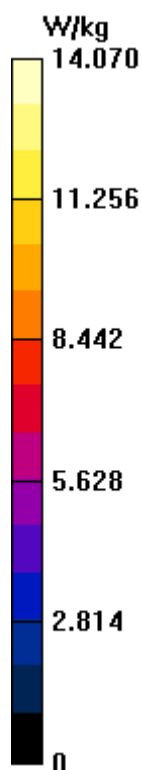
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 58.141 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 25.698 mW/g

SAR(1 g) = 6.88 mW/g; SAR(10 g) = 1.95 mW/g

Maximum value of SAR (measured) = 14.6 W/kg



System Check_B5200_120919**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.185$ mho/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 14.4 W/kg

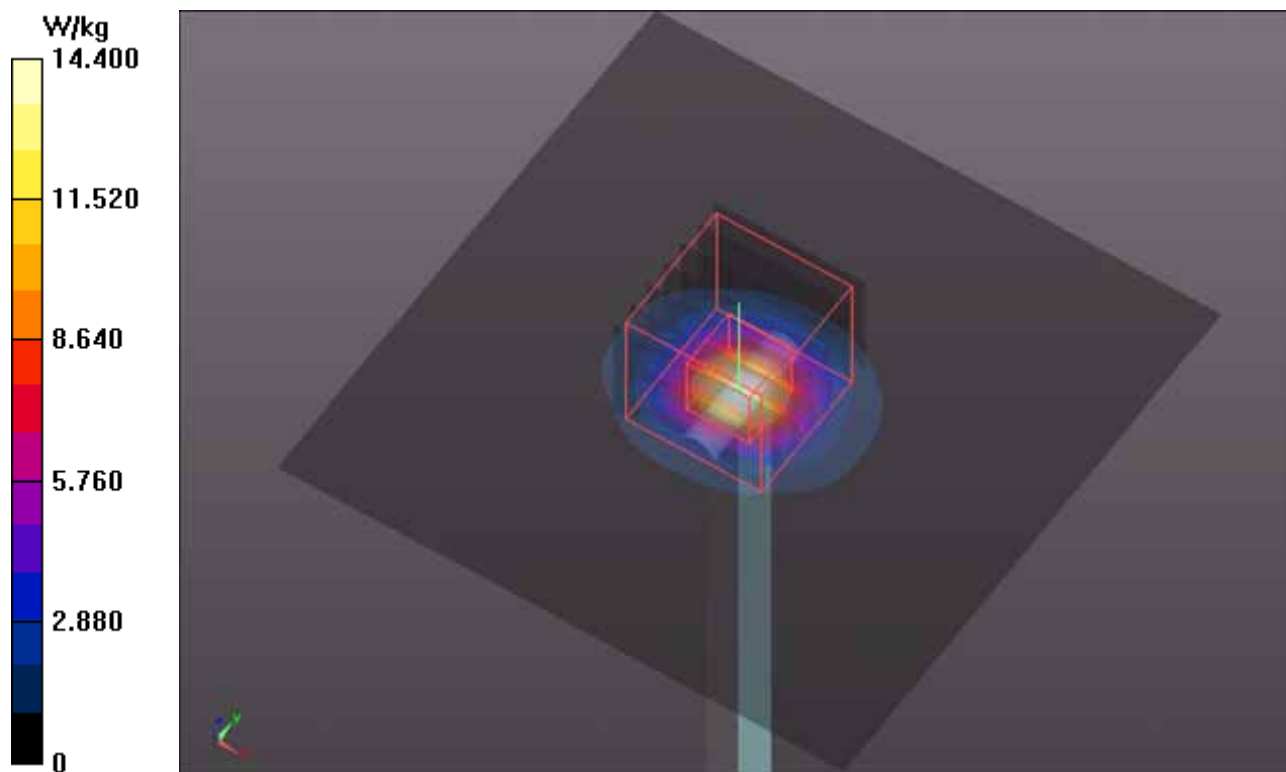
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 59.270 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 26.738 mW/g

SAR(1 g) = 7.1 mW/g; SAR(10 g) = 2 mW/g

Maximum value of SAR (measured) = 15.0 W/kg



System Check_B5200_120920**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.27$ mho/m; $\epsilon_r = 49.057$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 14.1 W/kg

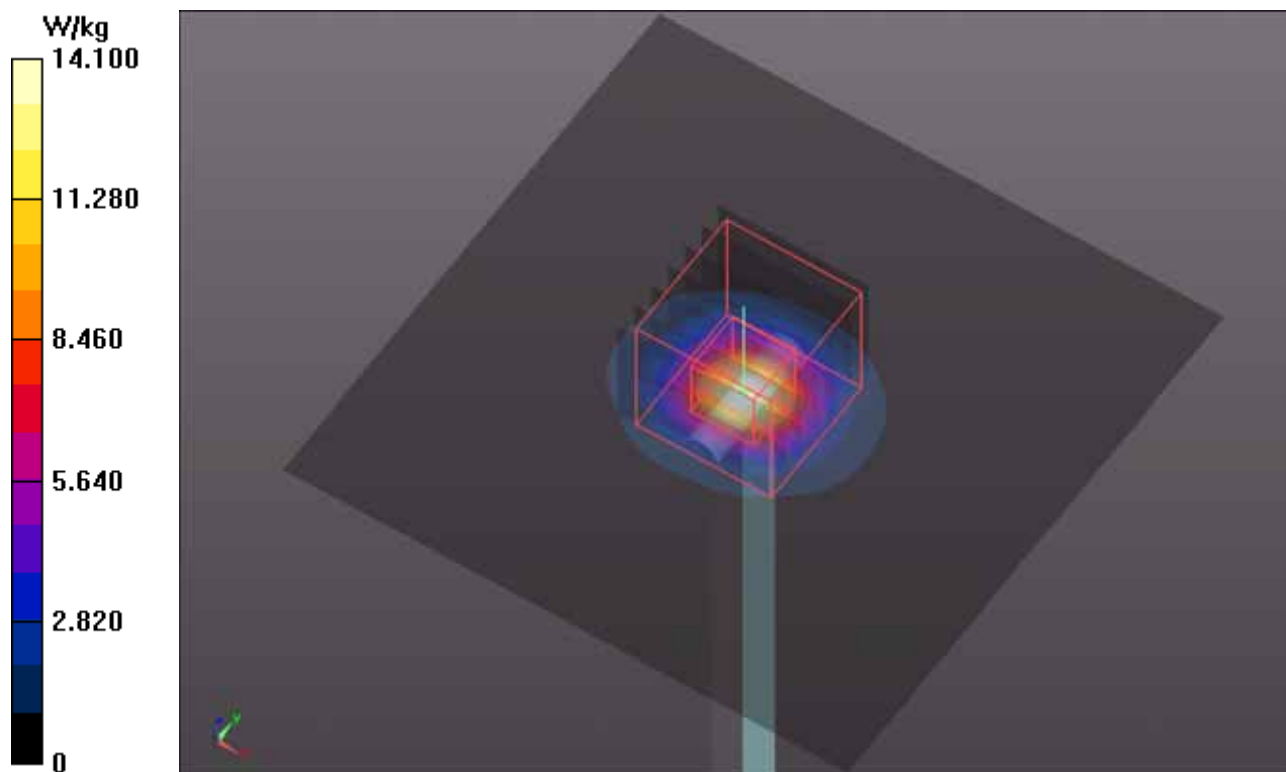
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 58.141 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 25.827 mW/g

SAR(1 g) = 6.92 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (measured) = 14.6 W/kg



System Check_B5500_120919**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.686$ mho/m; $\epsilon_r = 50.476$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.35, 4.35, 4.35); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 16.5 W/kg

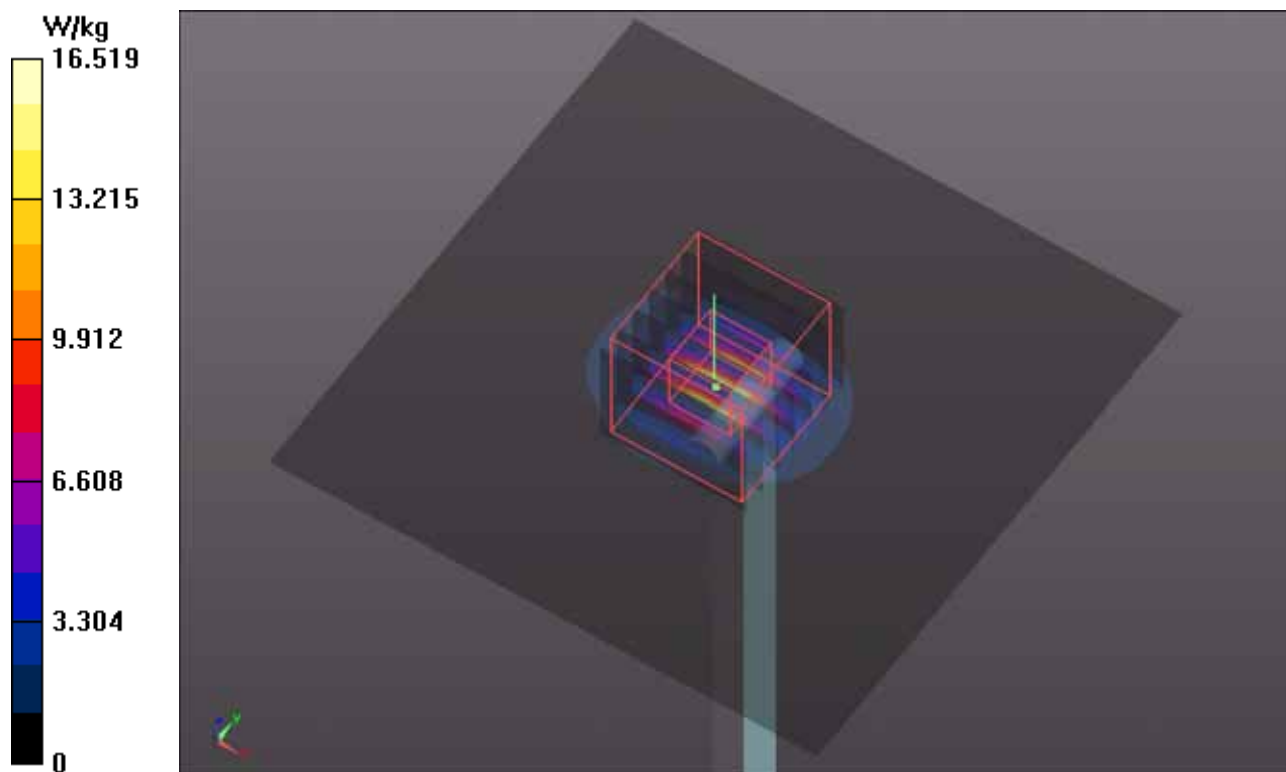
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 60.257 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 30.452 mW/g

SAR(1 g) = 7.81 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 16.0 W/kg



System Check_B5500_120920**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.714$ mho/m; $\epsilon_r = 48.566$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.35, 4.35, 4.35); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 16.6 W/kg

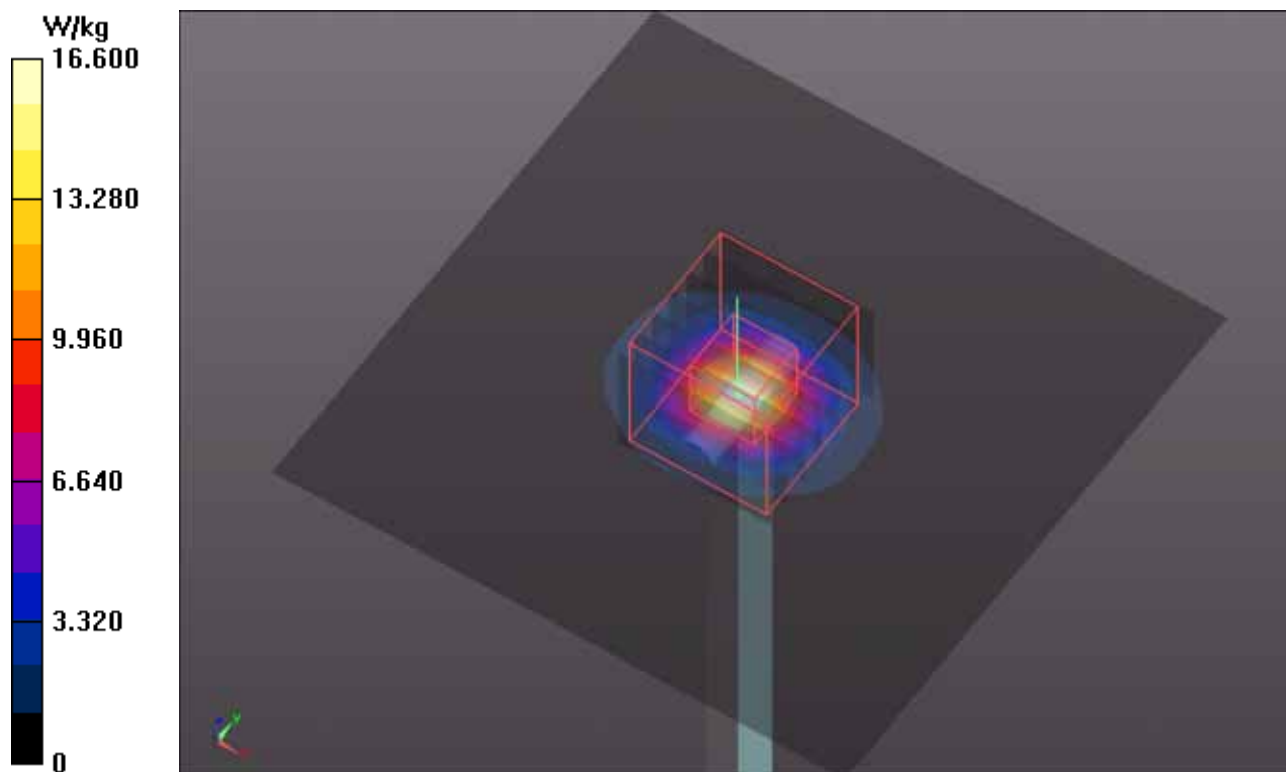
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 60.257 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 30.600 mW/g

SAR(1 g) = 7.85 mW/g; SAR(10 g) = 2.12 mW/g

Maximum value of SAR (measured) = 16.0 W/kg



System Check_B5800_120915**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: B5G_0915 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.127$ mho/m; $\epsilon_r = 47.81$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.1 W/kg

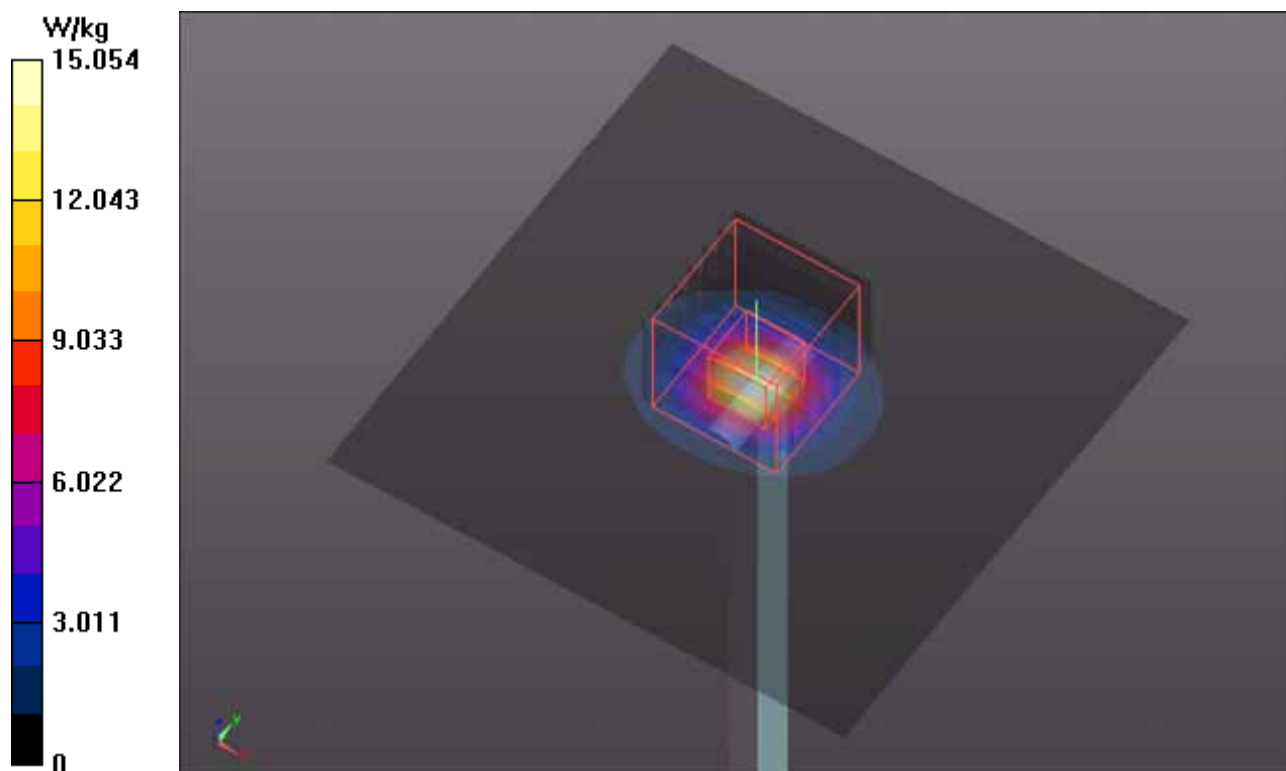
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 54.038 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 29.763 mW/g

SAR(1 g) = 6.92 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (measured) = 14.9 W/kg



System Check_B5800_120919**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.153$ mho/m; $\epsilon_r = 49.738$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 14.7 W/kg

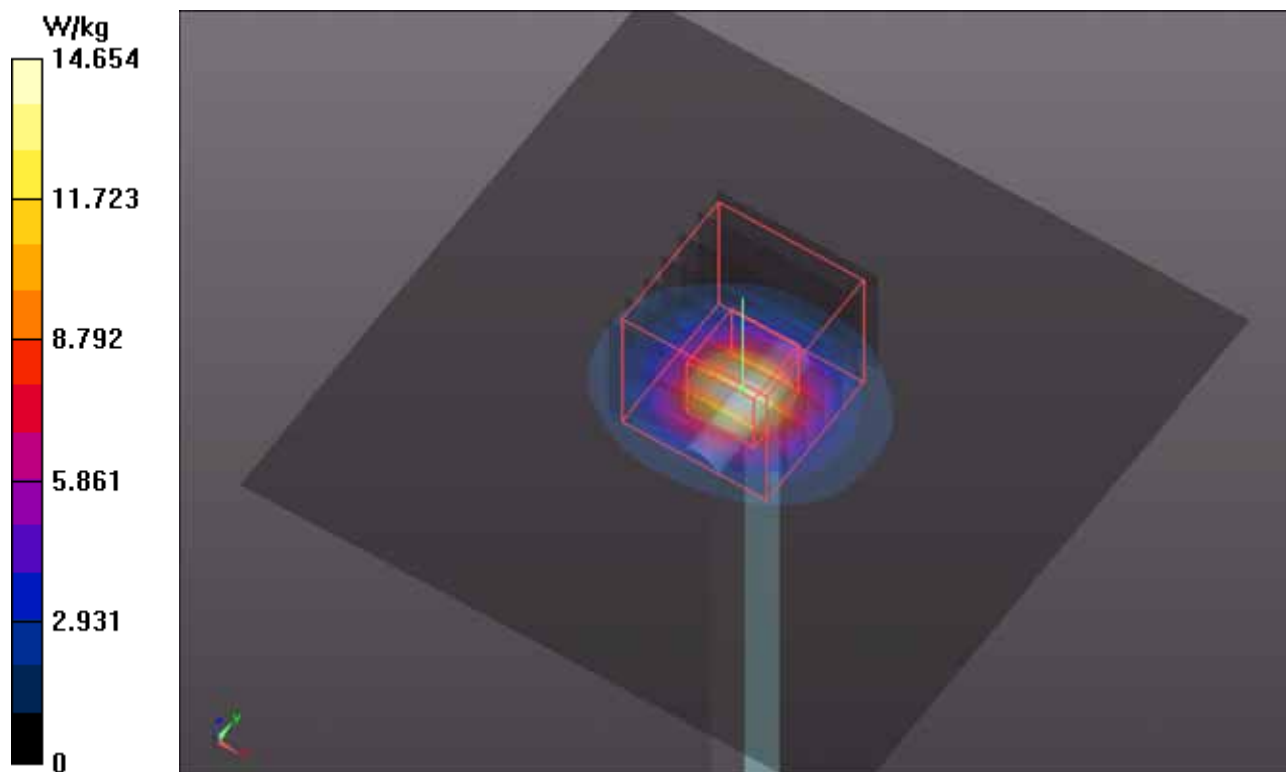
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.378 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 30.754 mW/g

SAR(1 g) = 6.93 mW/g; SAR(10 g) = 1.93 mW/g

Maximum value of SAR (measured) = 15.4 W/kg



System Check_B5800_120920**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1018**

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.127$ mho/m; $\epsilon_r = 47.81$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 16.7 W/kg

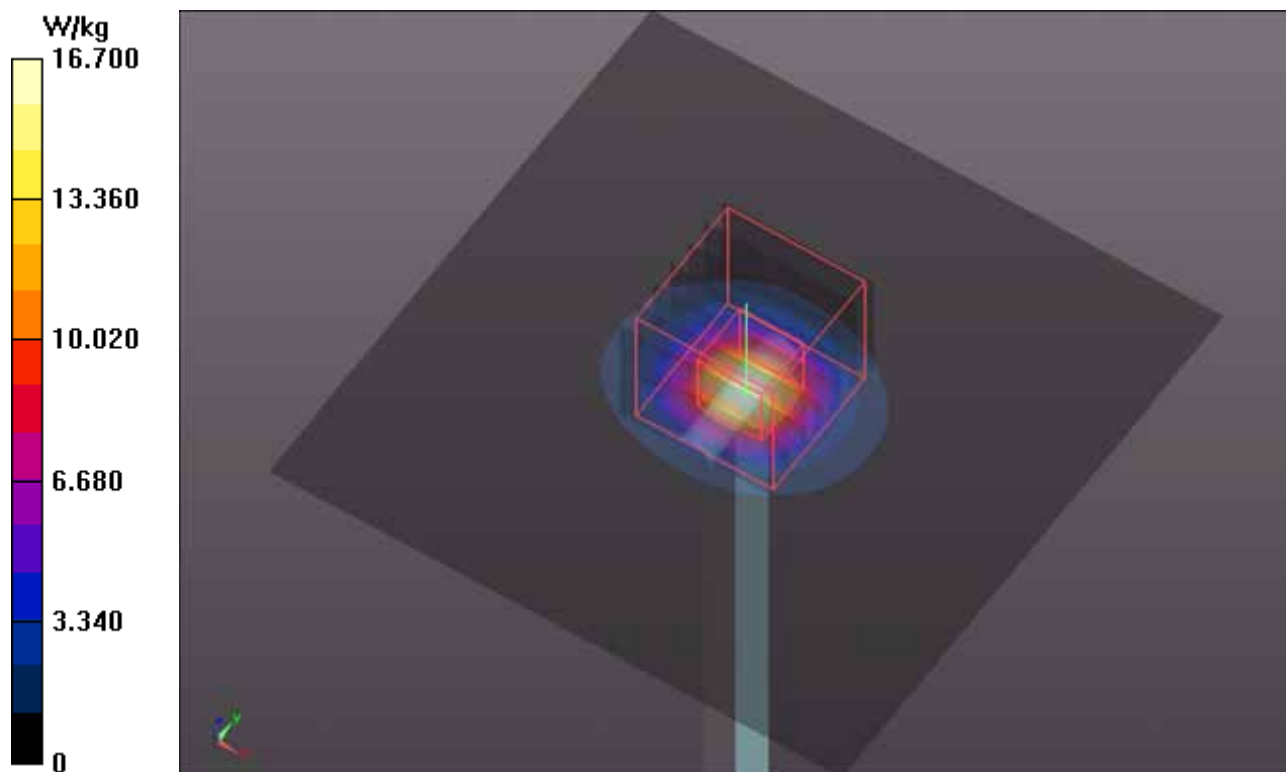
Pin=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 57.558 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 33.746 mW/g

SAR(1 g) = 7.71 mW/g; SAR(10 g) = 2.14 mW/g

Maximum value of SAR (measured) = 16.5 W/kg





Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P01 WCDMA V_RMC12.2K_Rear Face_0cm_Ch4132**DUT: 120823C20**

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

Medium: B835_0828 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Area Scan (111x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.973 mW/g

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

Reference Value = 2.22 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.513 mW/g

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

Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.22 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 1.14 W/kg

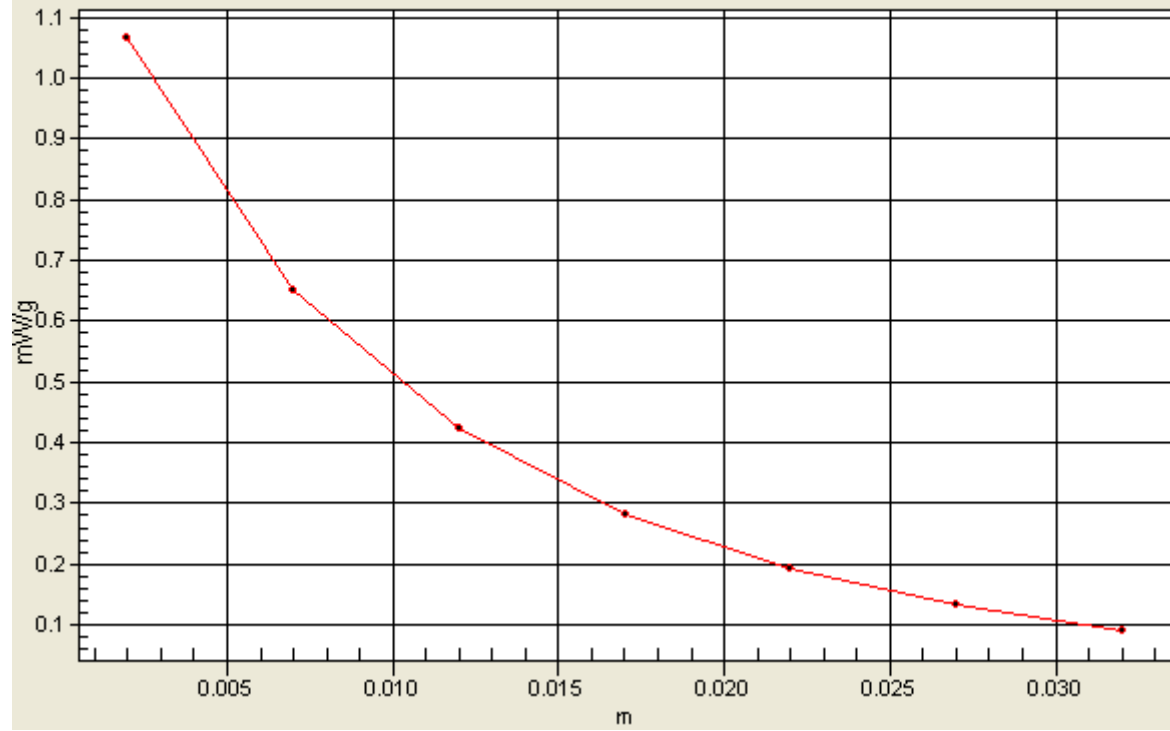
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 0.905 mW/g



1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=3, Y=2



P02 WCDMA V_RMC12.2K_Primary Portrait_0cm_Ch4132**DUT: 120823C20**

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

Medium: B835_0828 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Area Scan (31x101x1): Measurement grid: dx=20mm, dy=20mm

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

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

Reference Value = 24.0 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.903 mW/g

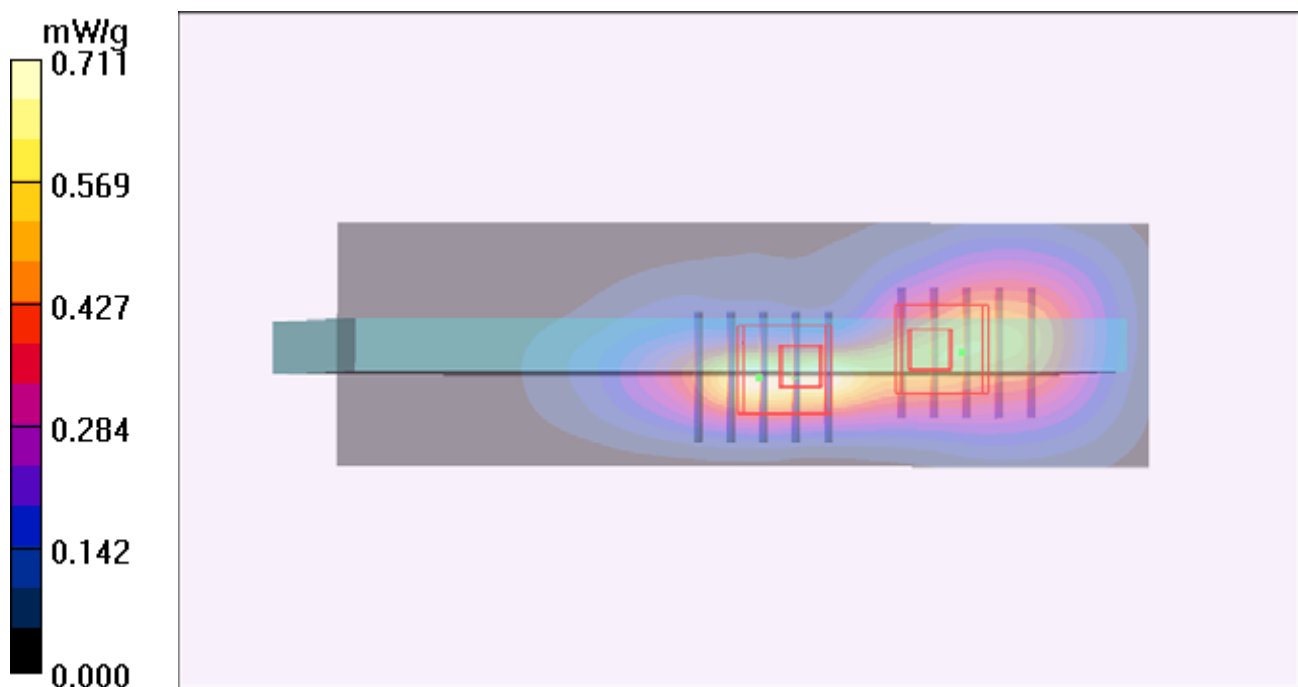
Ch4132/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.0 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.357 mW/g

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



P03 WCDMA V_RMC12.2K_Primary Landscape_0cm_Ch4132**DUT: 120823C20**

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

Medium: B835_0828 Medium parameters used : $f = 826.4$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4132/Area Scan (31x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.182 mW/g

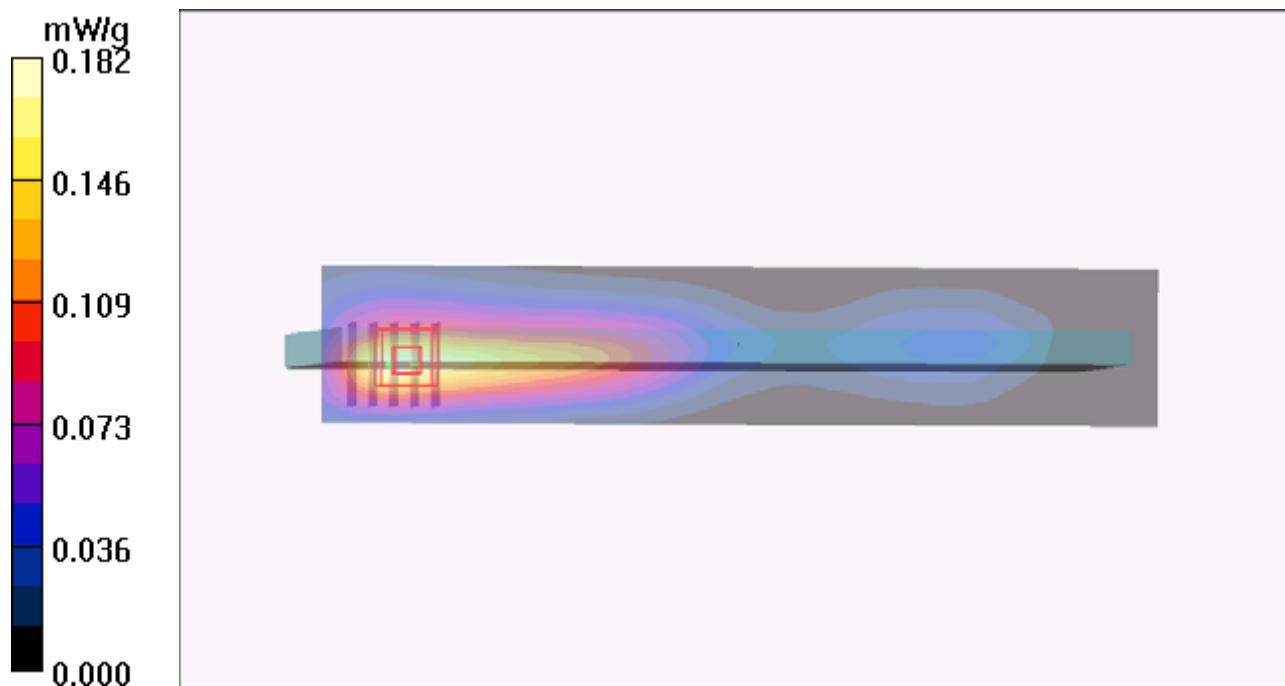
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.69 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.199 mW/g



P15 WCDMA V_RMC12.2K_Rear Face_0cm_Ch4182**DUT: 120823C20**

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

Medium: B835_0828 Medium parameters used : $f = 836.4$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (111x71x1): Measurement grid: dx=20mm, dy=20mm

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

Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.23 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 0.792 mW/g

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

Reference Value = 3.23 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 0.706 mW/g



P14 WCDMA V_RMC12.2K_Rear Face_0cm_Ch4233**DUT: 120823C20**

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

Medium: B835_0828 Medium parameters used: $f = 847$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4233/Area Scan (111x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.790 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.956 W/kg

SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.353 mW/g

Maximum value of SAR (measured) = 0.762 mW/g

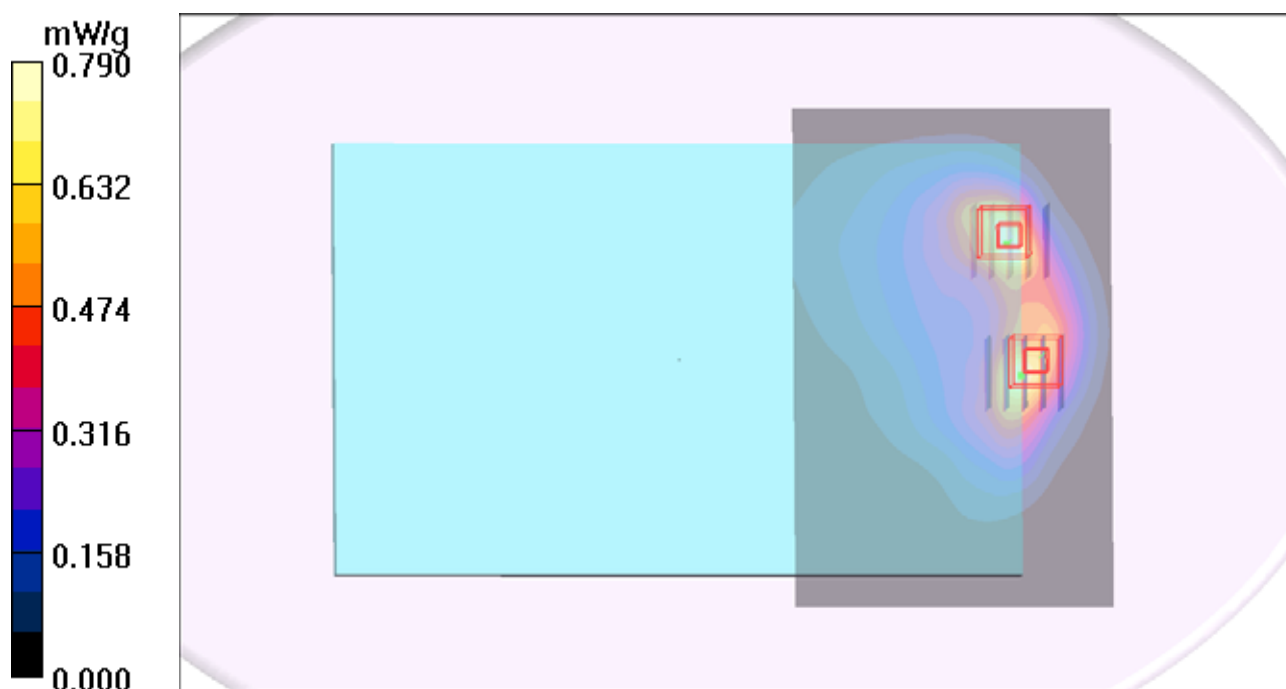
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.721 mW/g



P04 WCDMA II_RMC12.2k_Rear Face _0cm_Ch9538_Sensor On**DUT: 120823C20**

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

Medium: B1900_0905 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.559$ mho/m; $\epsilon_r = 52.999$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (111x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.615 W/kg

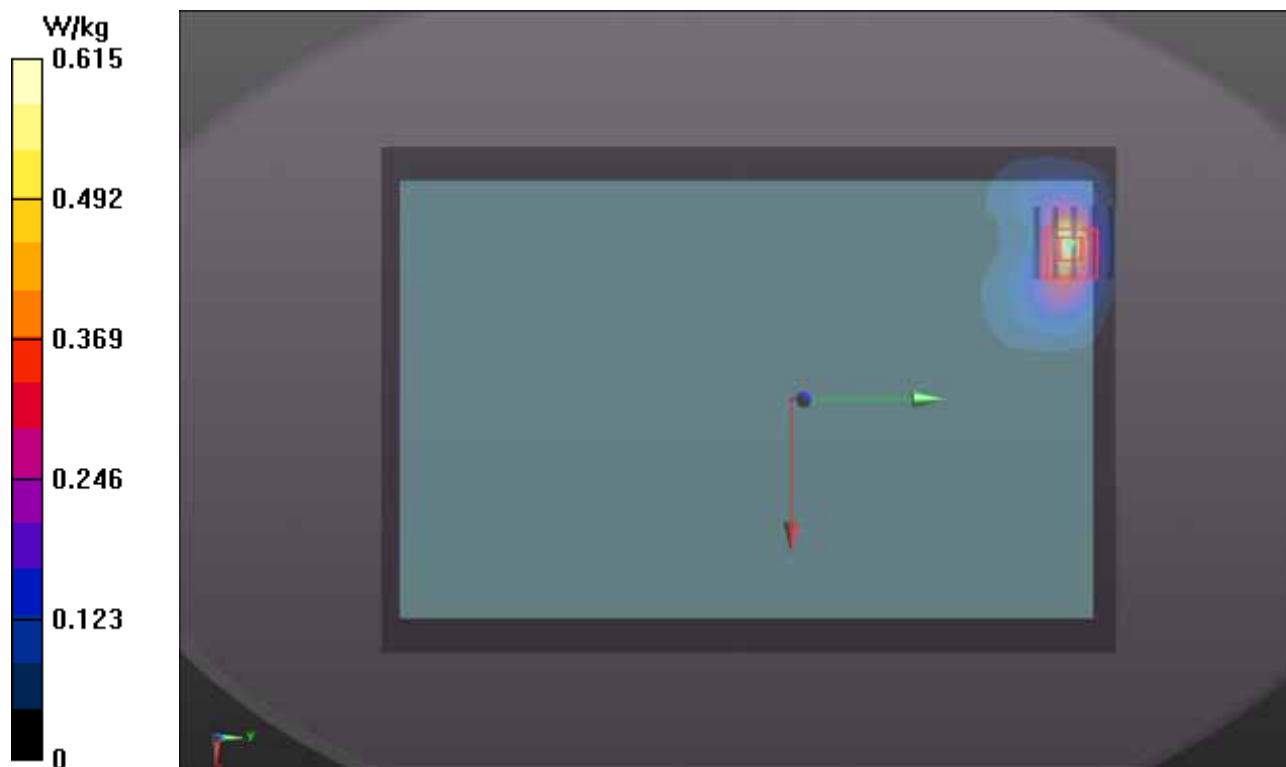
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.666 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.785 mW/g

SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.626 W/kg



P05 WCDMA II_RMC12.2k_Primary Portrait_0cm_Ch9538_Sensor On**DUT: 120823C20**

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

Medium: B1900_0905 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.559$ mho/m; $\epsilon_r = 52.999$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch9538/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.512 W/kg

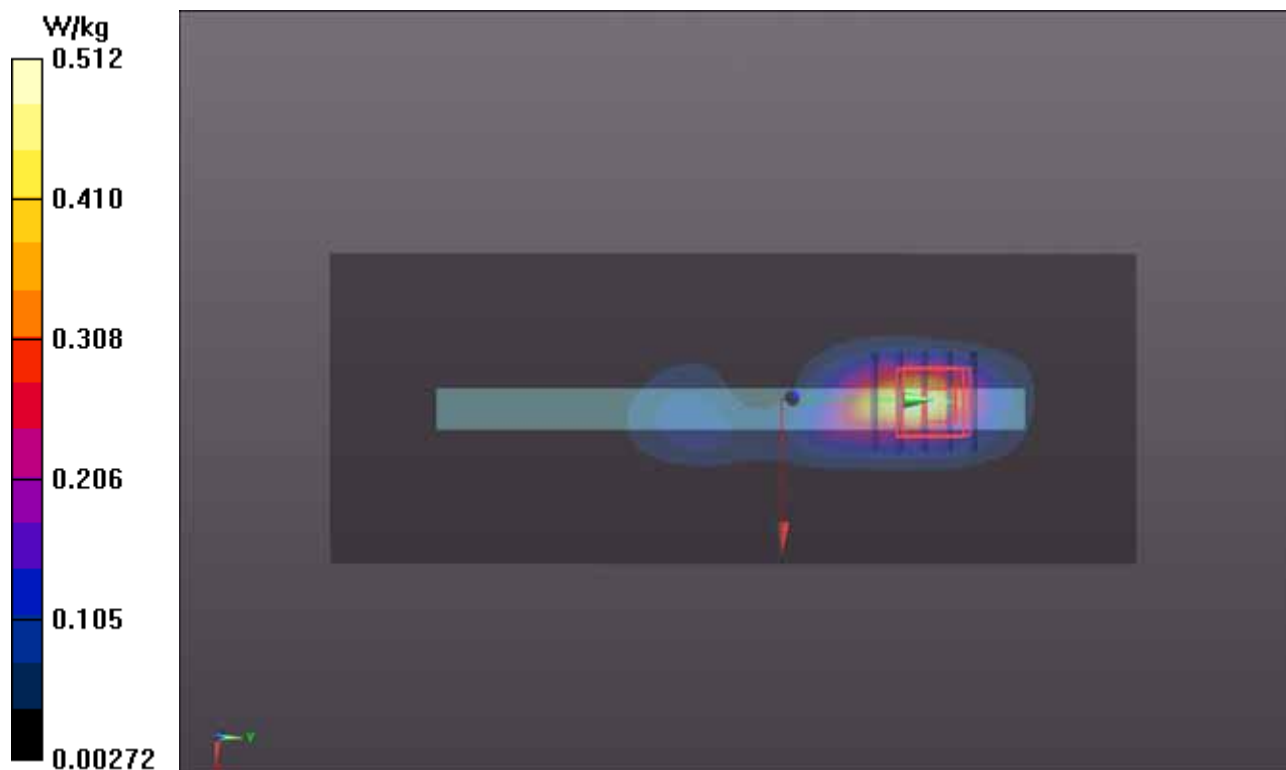
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.917 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.022 mW/g

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 0.811 W/kg



P06 WCDMA II_RMC12.2K_Rear Face_1.6cm_Ch9538_Sensor Off**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.671 mW/g

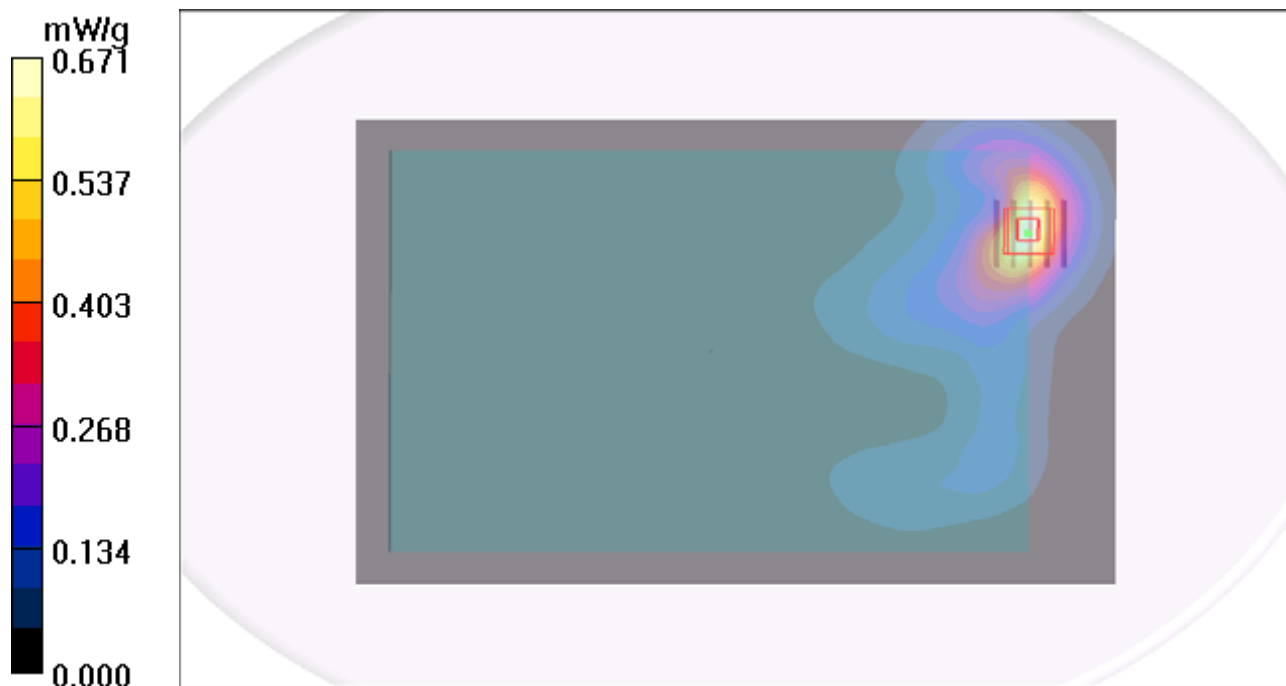
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.54 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.691 mW/g



P07 WCDMA II_RMC12.2K_Rear Face_0cm_Ch9538_Sensor Off_Angle Left 20**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (111x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.270 mW/g

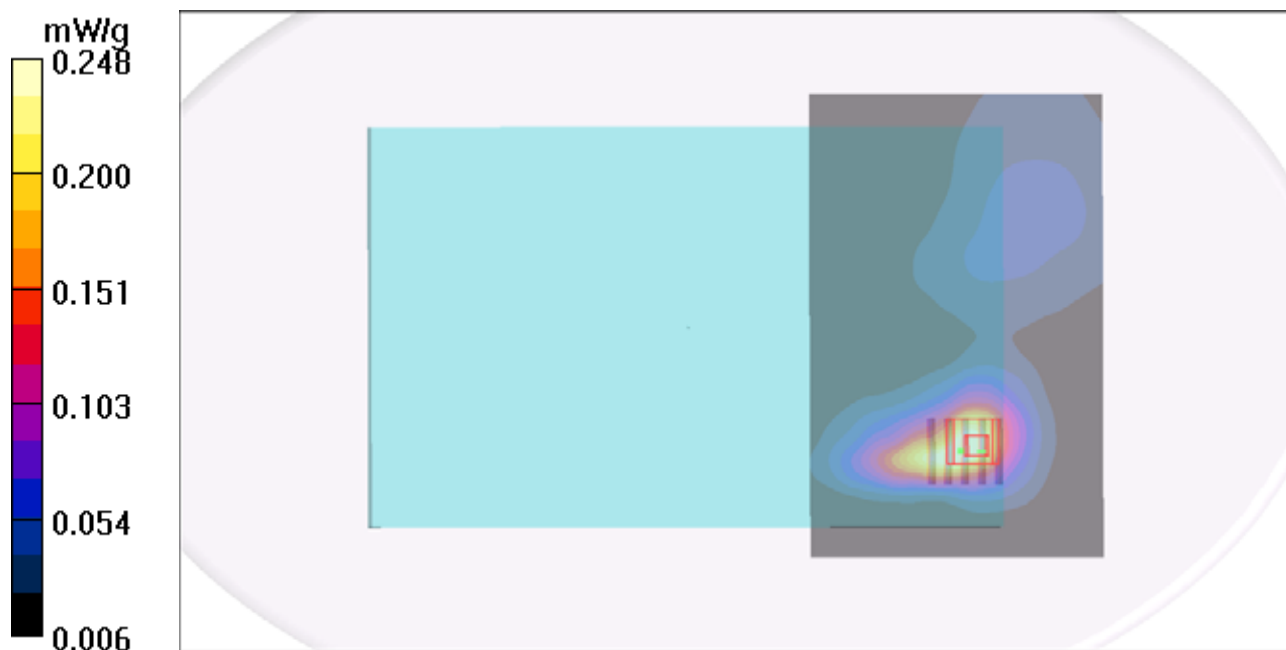
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.41 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.248 mW/g



P09 WCDMA II_RMC12.2K_Primary Portrait_0.9cm_Ch9538_Sensor Off**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m^3

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (31x101x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

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

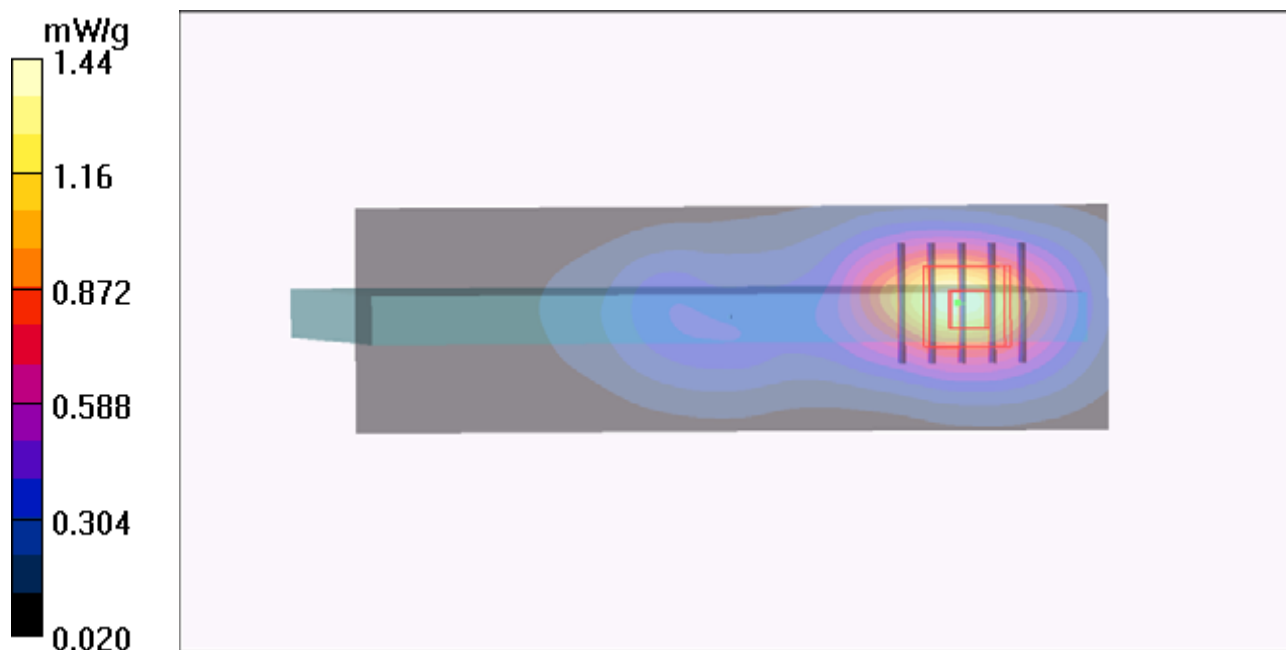
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.5 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 1.93 W/kg

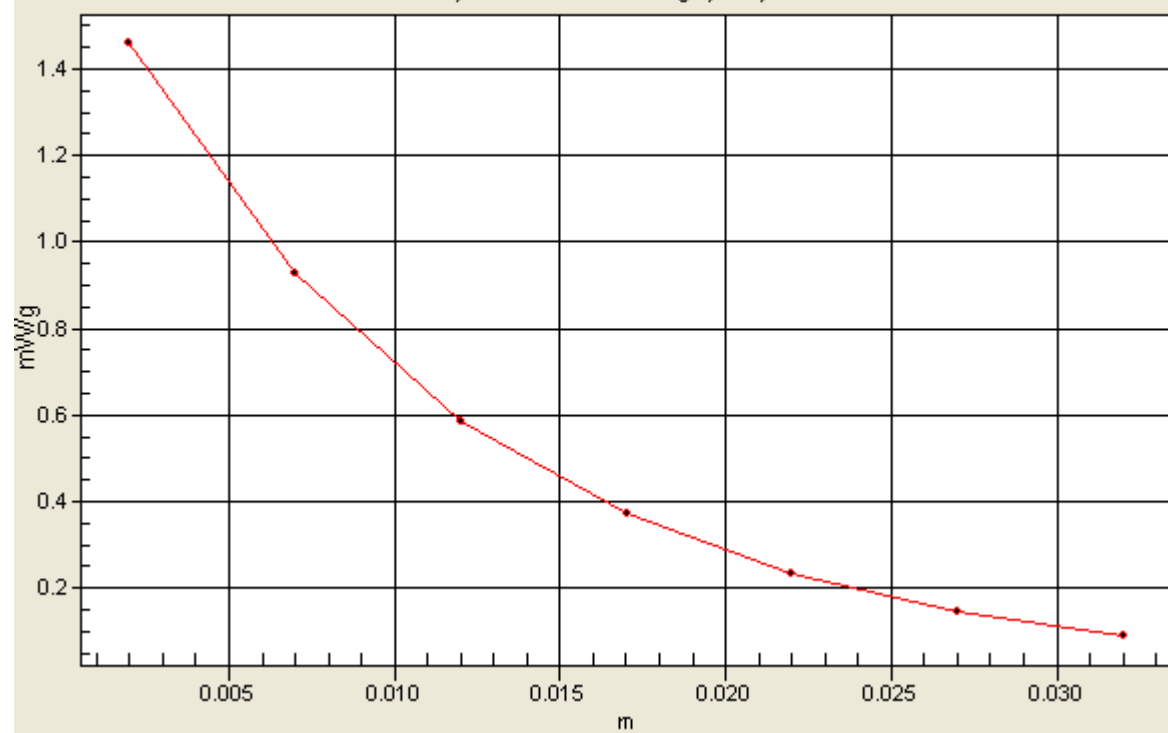
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.680 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=2, Y=2



P10 WCDMA II_RMC12.2K_Primary Portrait_0cm_Ch9400_Sensor Off_Left 14**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (31x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.262 mW/g

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

Reference Value = 10.6 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.313 W/kg

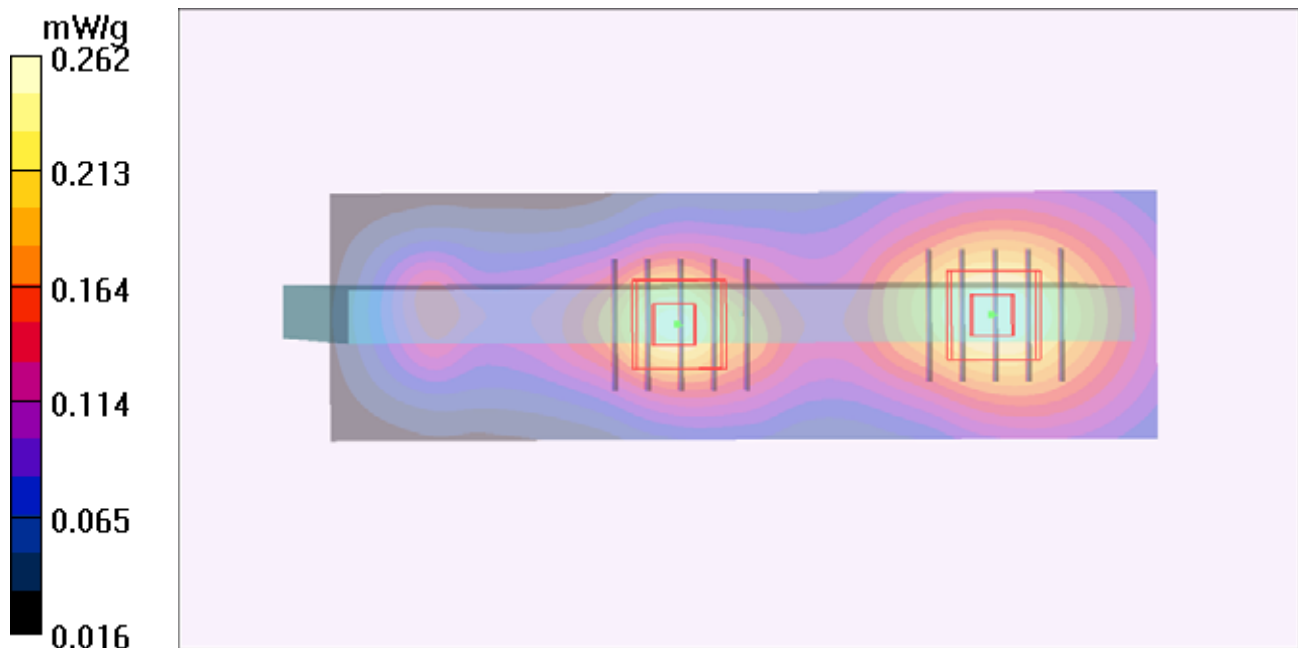
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.263 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.124 mW/g

P12 WCDMA II_RMC12.2K_Primary Landscape_0cm_Ch9538_Sensor Off**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m^3

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9538/Area Scan (31x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.504 mW/g

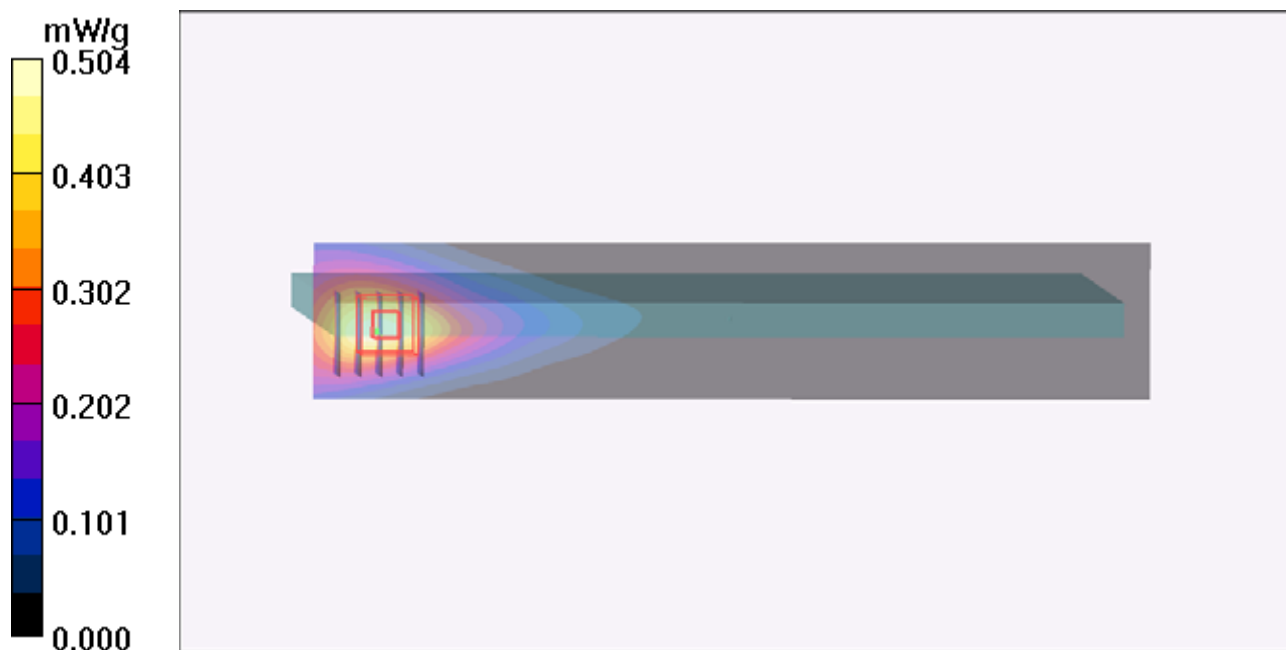
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.49 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.356 mW/g

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



P16 WCDMA II_RMC12.2K_Primary Portrait_0.9cm_Ch9262_Sensor Off**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9262/Area Scan (31x101x1): Measurement grid: dx=20mm, dy=20mm

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

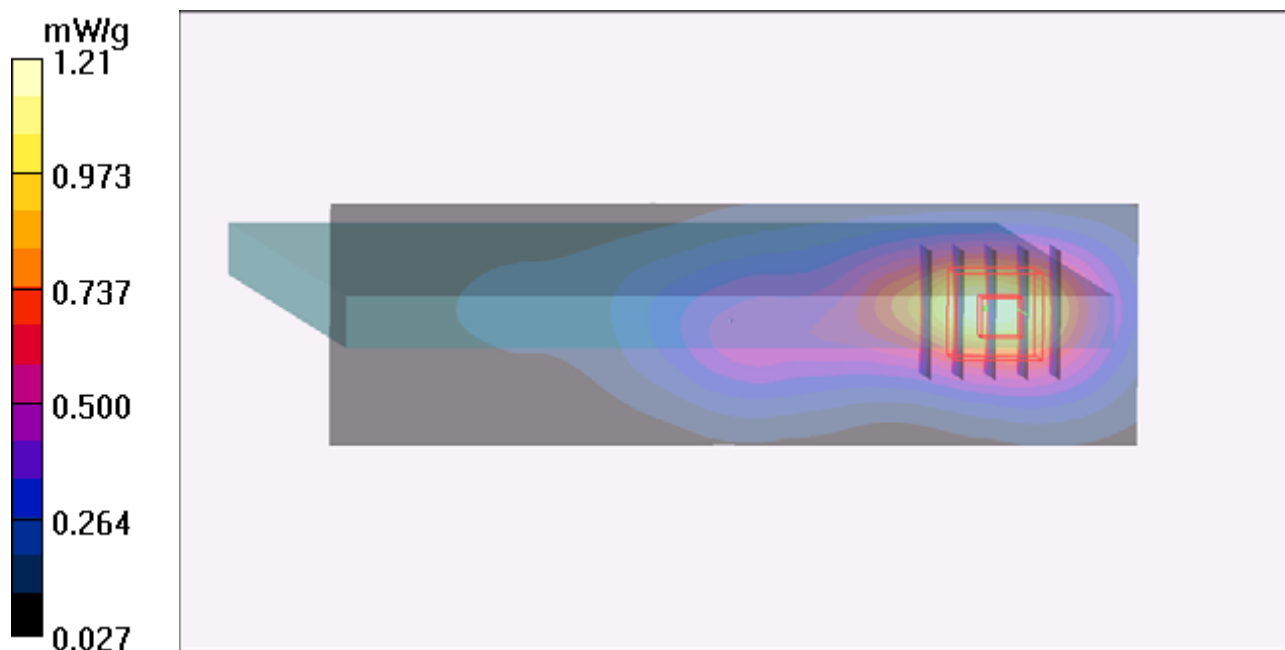
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.588 mW/g

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



P17 WCDMA II_RMC12.2K_Primary Portrait_0.9cm_Ch9400_Sensor Off**DUT: 120823C20**

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

Medium: B1900_0829 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1039
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch9400/Area Scan (31x101x1): Measurement grid: dx=20mm, dy=20mm

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

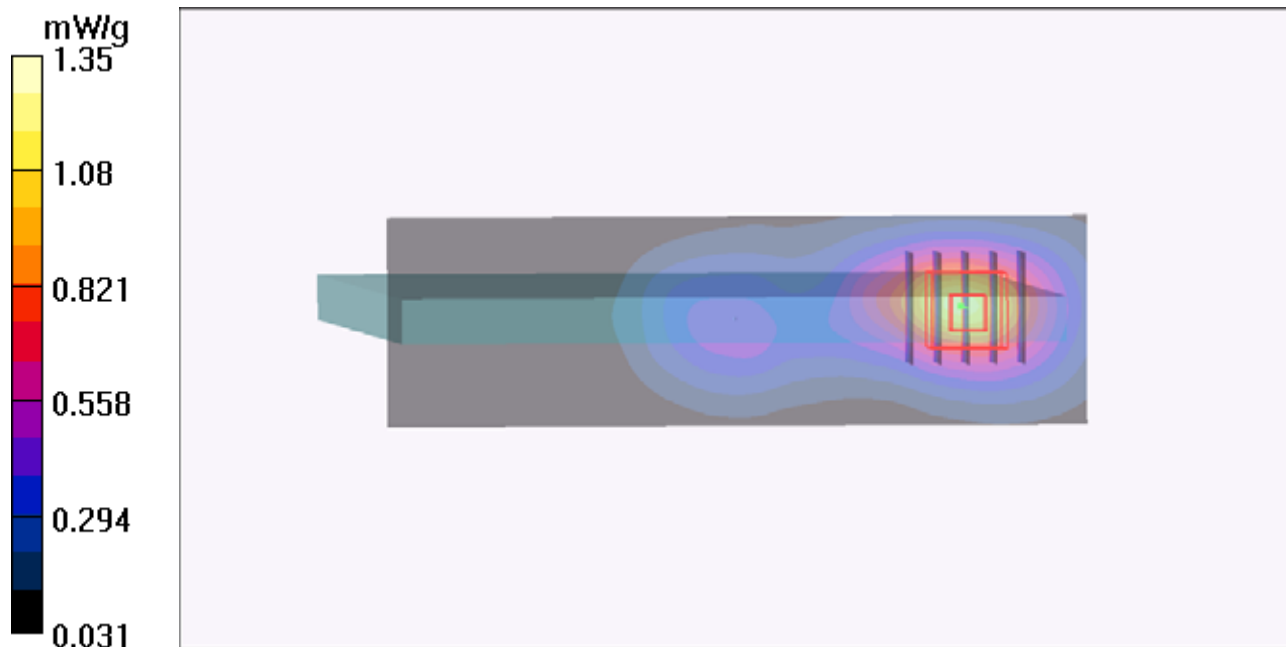
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.590 mW/g

Maximum value of SAR (measured) = 1.35 mW/g



P201 LTE XVII_QPSK_10M_Rear Face _0cm_Ch23800_ 25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (111x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.689 W/kg

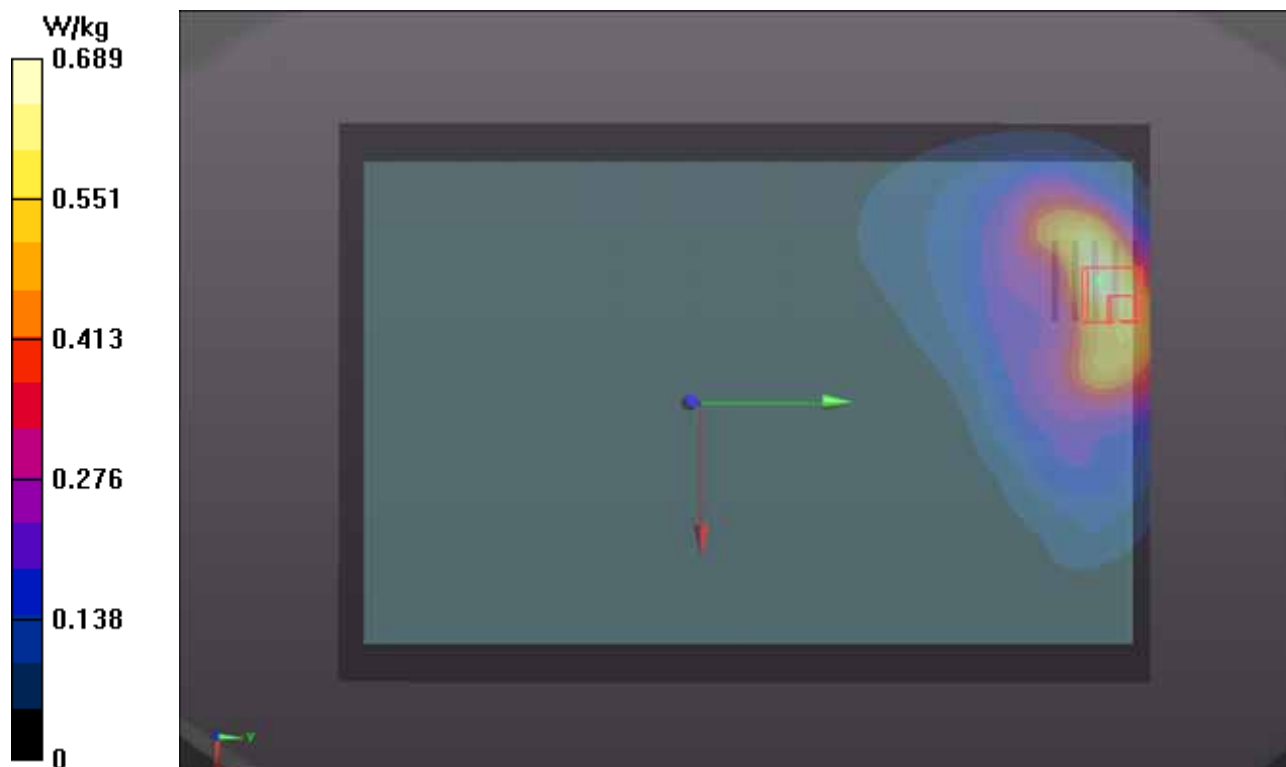
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.470 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.983 mW/g

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.350 mW/g

Maximum value of SAR (measured) = 0.786 W/kg



P202 LTE XVII_QPSK_10M_Primary Portrait_0cm_Ch23800_25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.839 W/kg

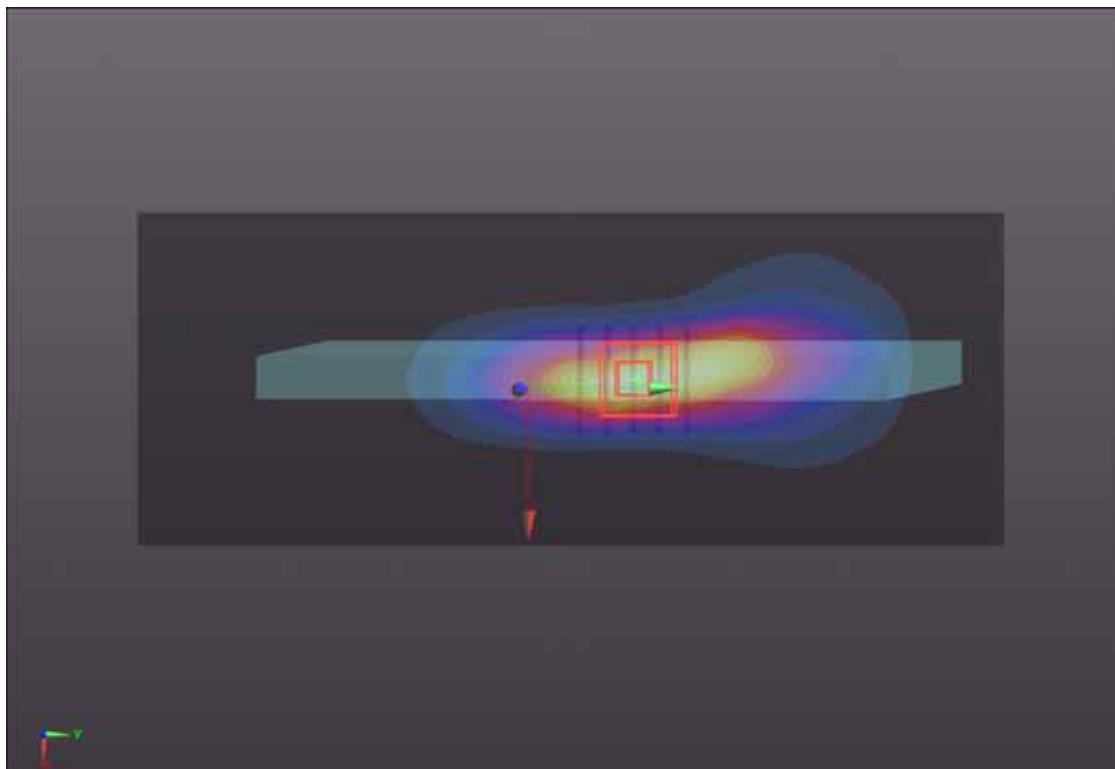
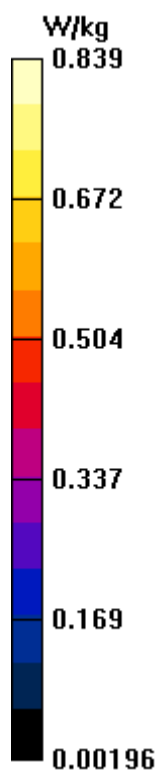
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.352 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.702 mW/g

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (measured) = 1.32 W/kg



P203 LTE XVII_QPSK_10M_Primary Landscape_0cm_Ch23800_25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0746 W/kg

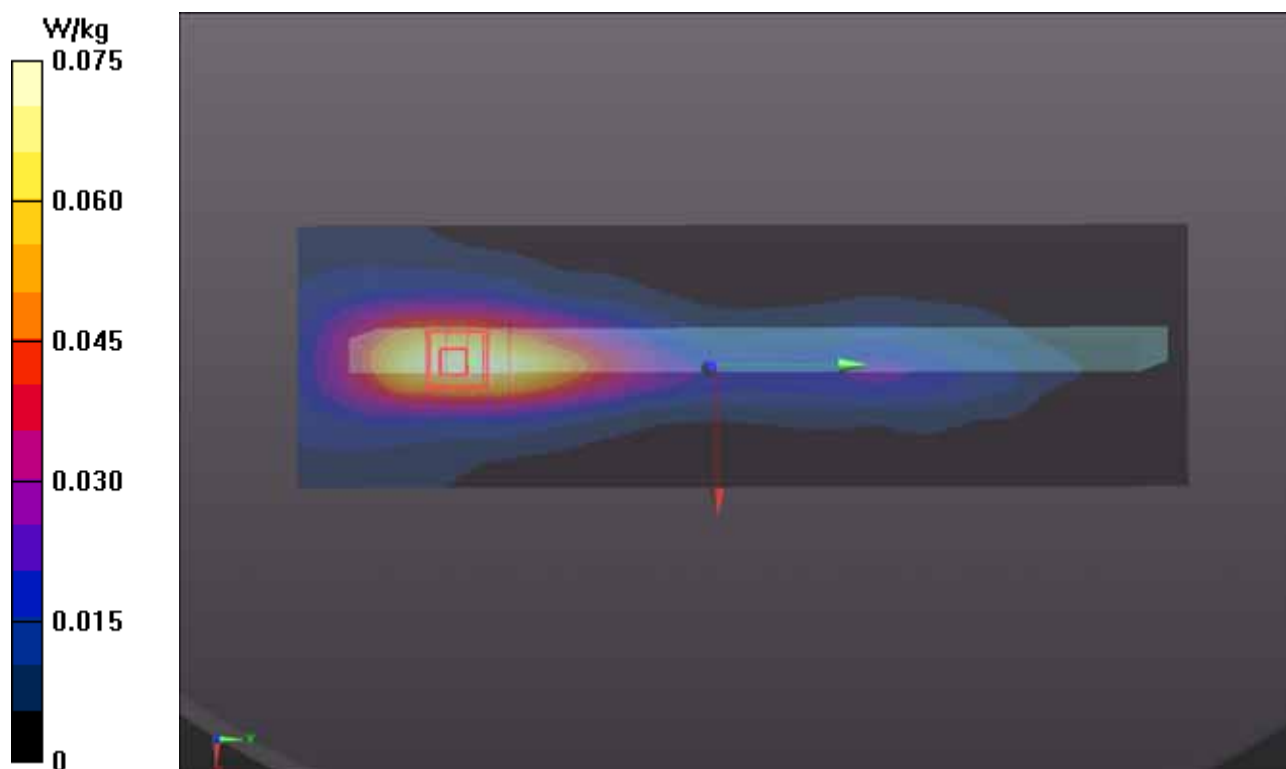
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.484 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.119 mW/g

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.0974 W/kg



P204 LTE XVII_QPSK_10M_Rear Face _0cm_Ch23800_1RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (111x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.846 W/kg

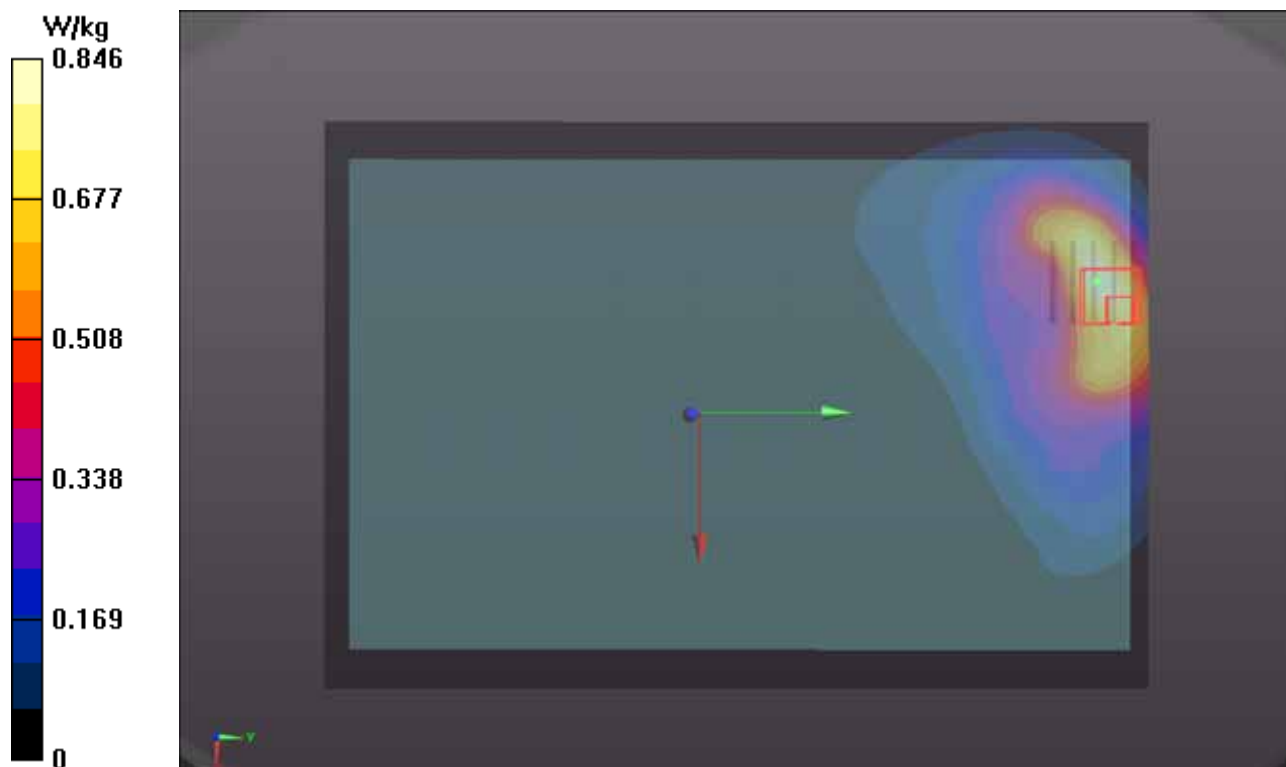
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.113 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.228 mW/g

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.440 mW/g

Maximum value of SAR (measured) = 0.992 W/kg



P205 LTE XVII_QPSK_10M_Primary Portrait_0cm_Ch23800_1RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

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

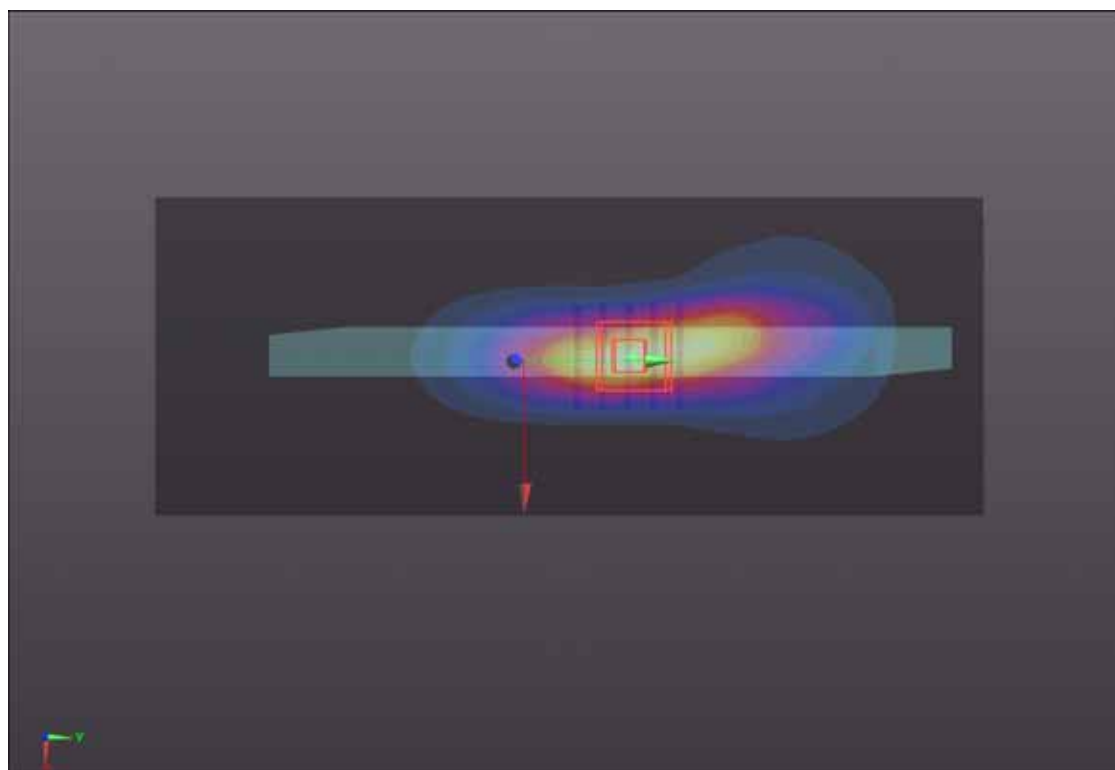
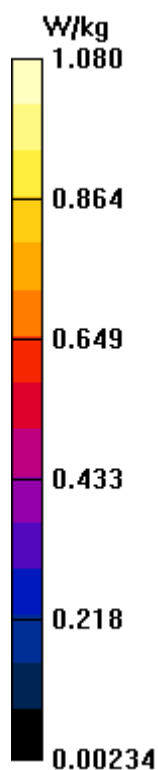
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

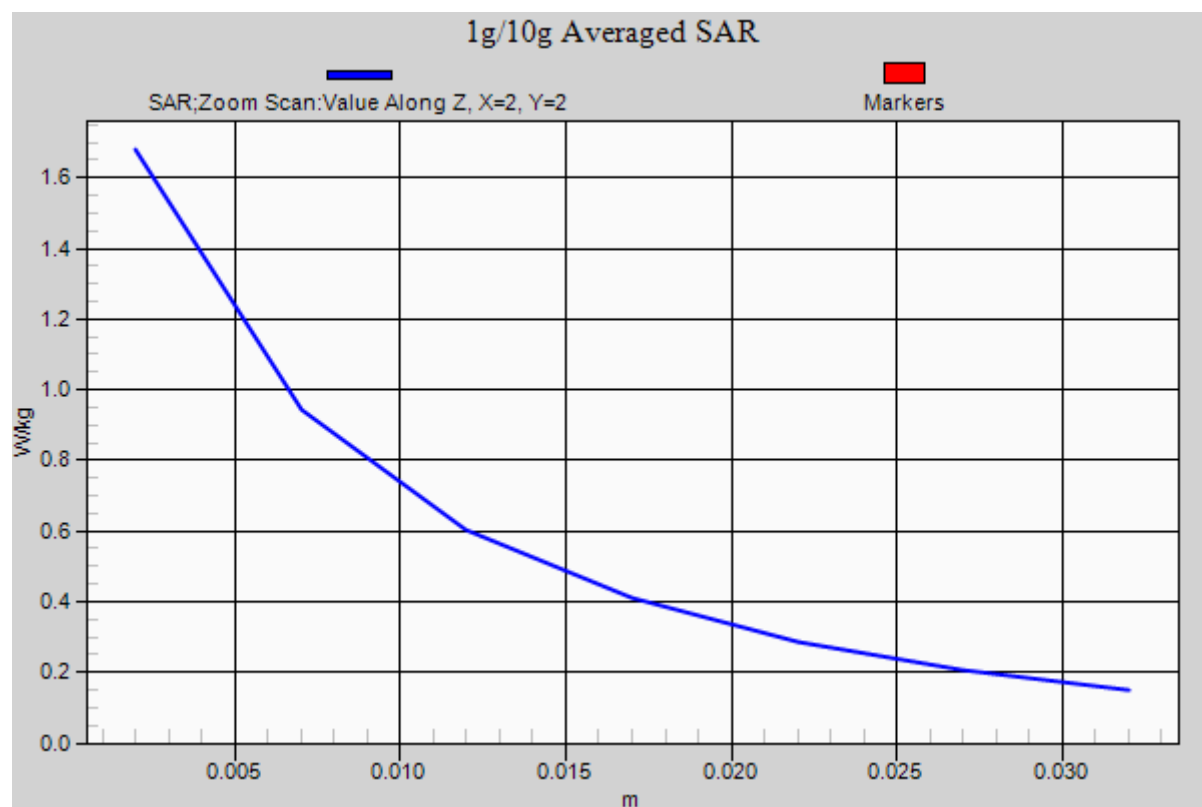
Reference Value = 38.461 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.153 mW/g

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.631 mW/g

Maximum value of SAR (measured) = 1.68 W/kg





P206 LTE XVII_QPSK_10M_Primary Landscape_0cm_Ch23800_1RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.120 W/kg

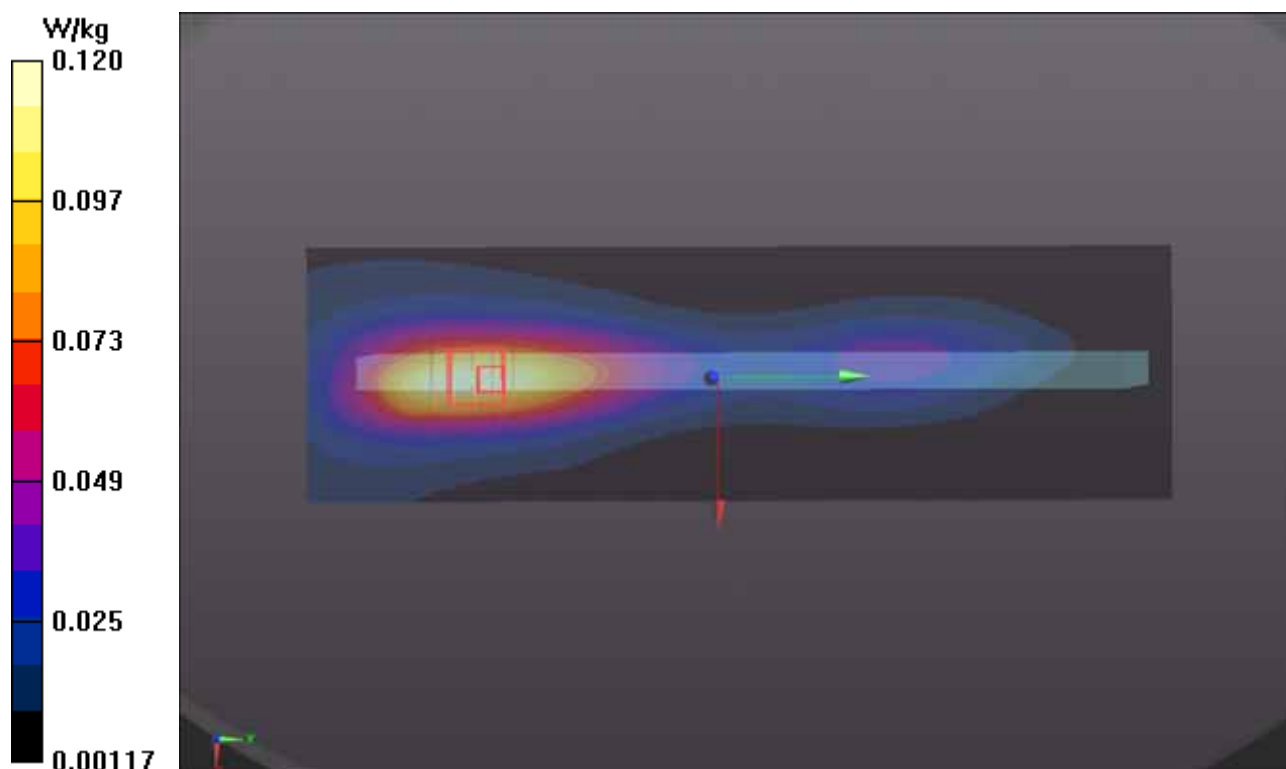
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.672 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.187 mW/g

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.153 W/kg



P207 LTE XVII_QPSK_10M_Rear Face _0cm_Ch23800_ 1RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (111x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.839 W/kg

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.676 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.194 mW/g

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.456 mW/g

Maximum value of SAR (measured) = 0.957 W/kg

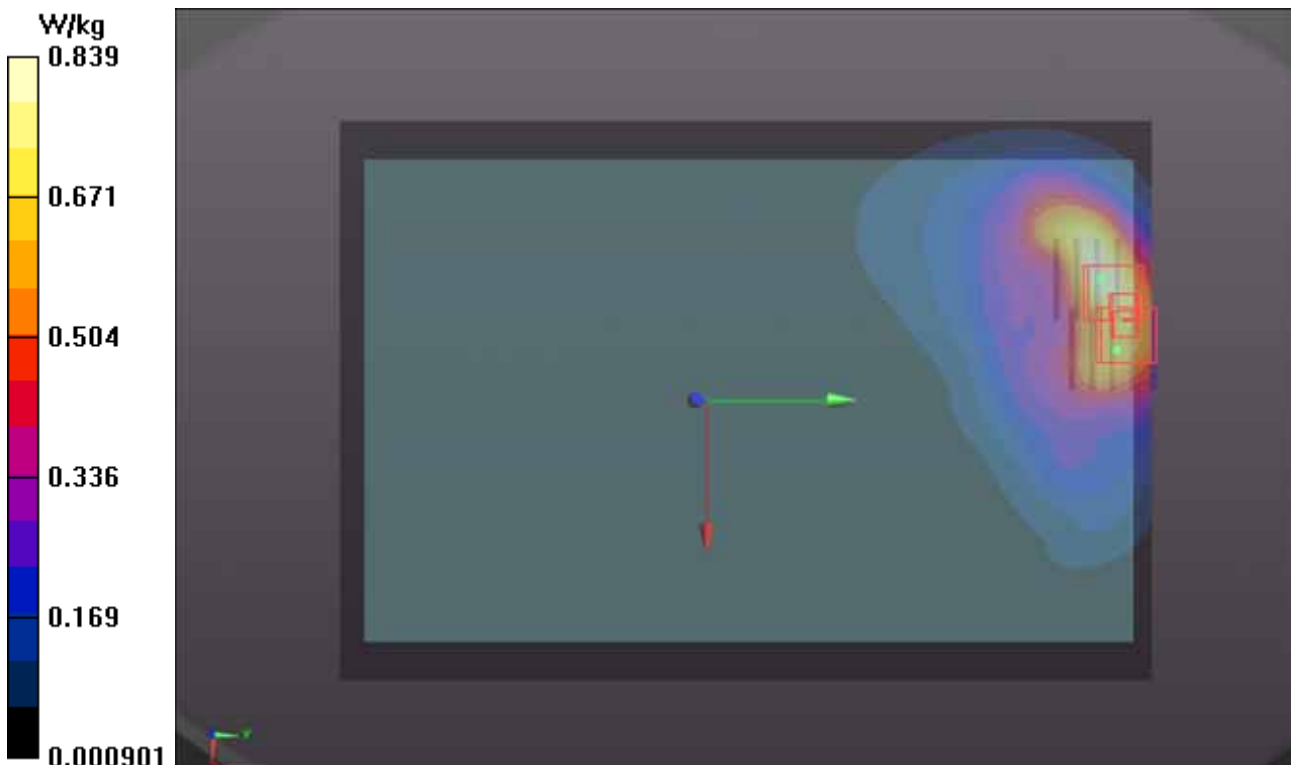
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.676 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.200 mW/g

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.432 mW/g

Maximum value of SAR (measured) = 0.969 W/kg



P208 LTE XVII_QPSK_10M_Primary Portrait_0cm_Ch23800_1RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.05 W/kg

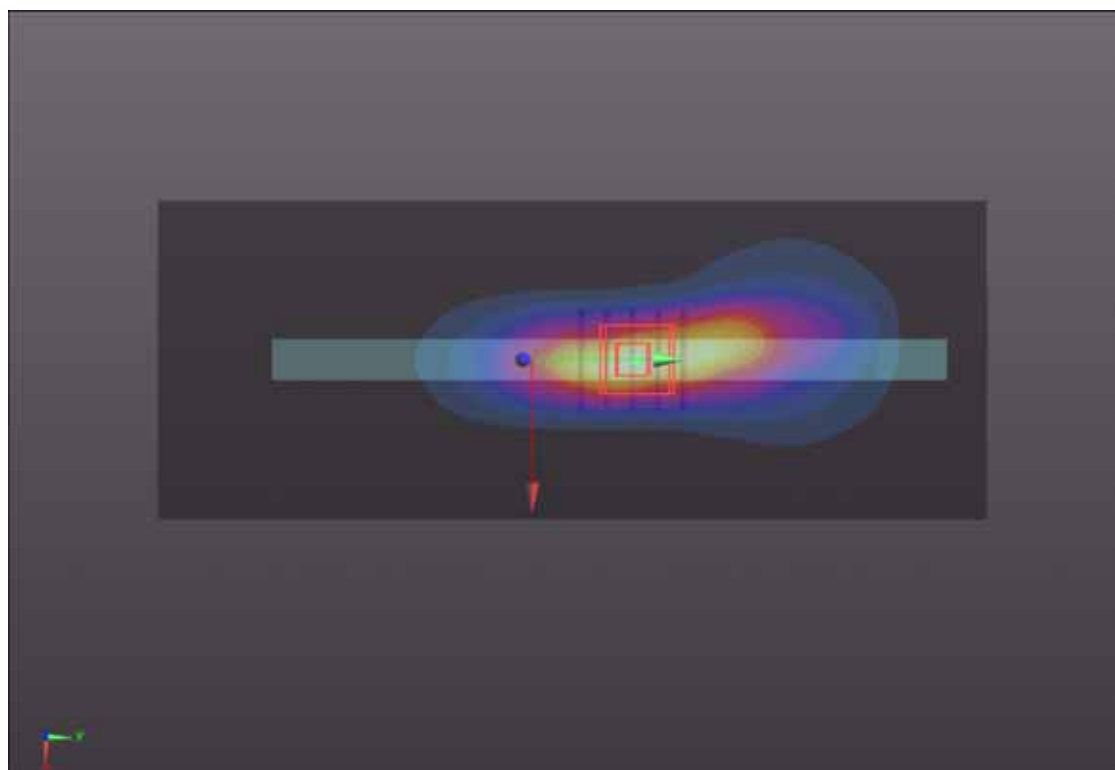
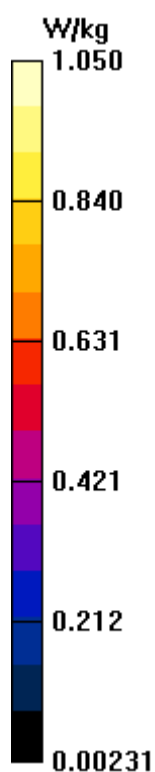
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.544 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.136 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.620 mW/g

Maximum value of SAR (measured) = 1.66 W/kg



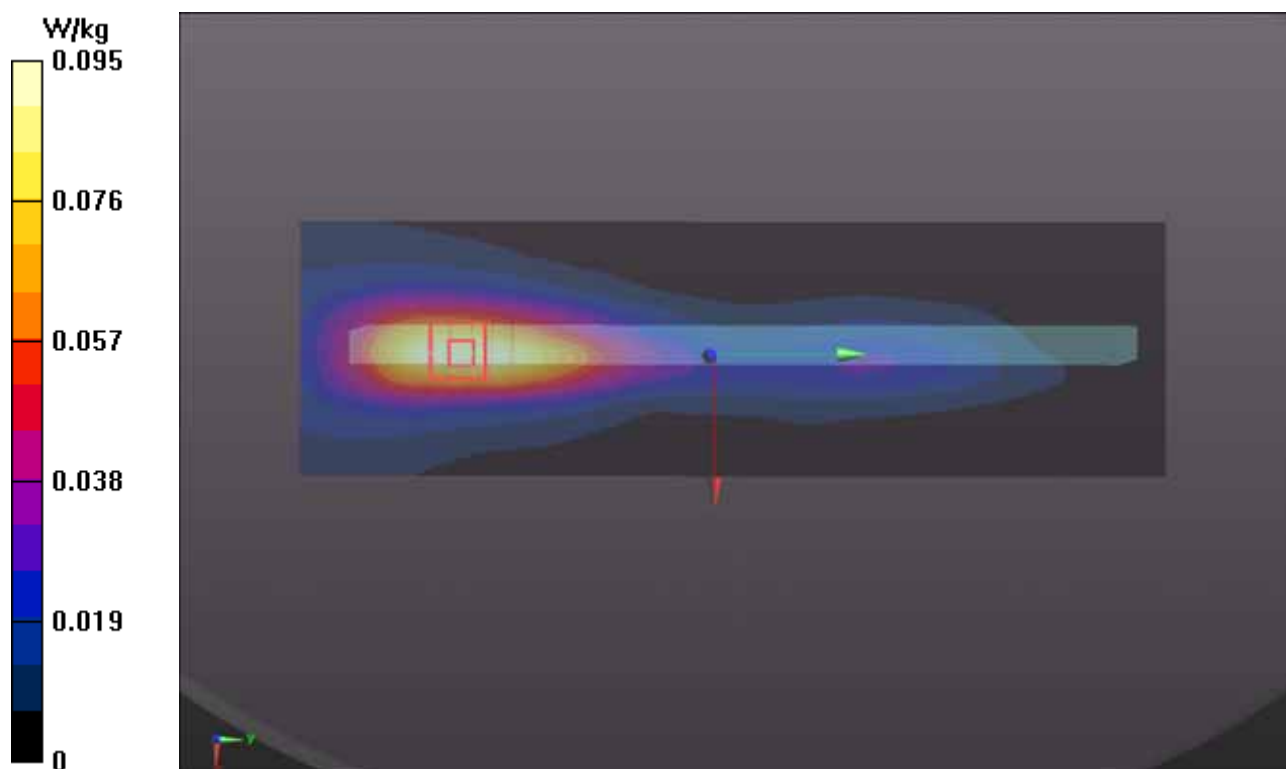
P209 LTE XVII_QPSK_10M_Primary Landscape_0cm_Ch23800_1RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.934 \text{ mho/m}$; $\epsilon_r = 55.571$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $21.5 \text{ }^\circ\text{C}$; Liquid Temperature : $20.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x171x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.0951 W/kg **Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 4.964 V/m ; Power Drift = 0.13 dB Peak SAR (extrapolated) = 0.153 mW/g **SAR(1 g) = 0.089 mW/g ; SAR(10 g) = 0.057 mW/g** Maximum value of SAR (measured) = 0.124 W/kg 

P246 LTE XVII_QPSK_10M_Primary Portrait_0cm_Ch23780_25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 709$ MHz; $\sigma = 0.932$ mho/m; $\epsilon_r = 55.589$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23780/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.818 W/kg

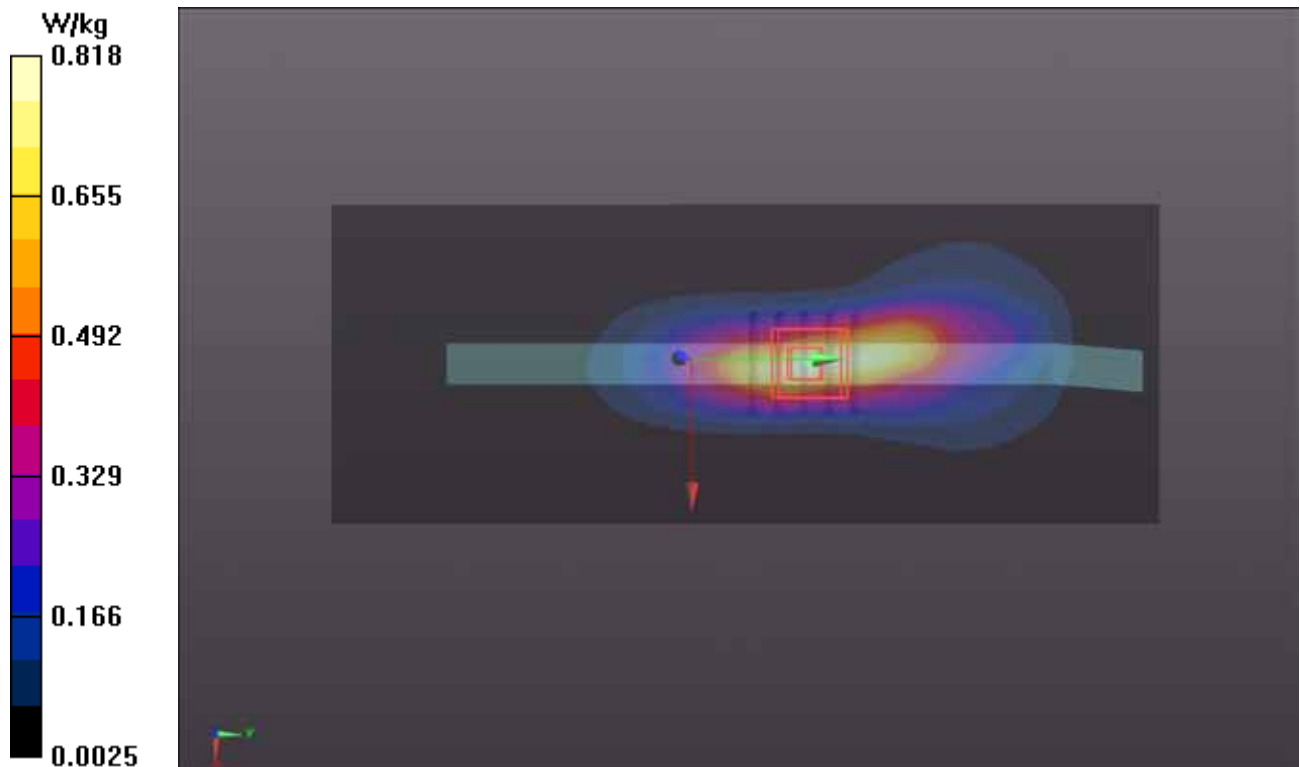
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.245 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.684 mW/g

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.489 mW/g

Maximum value of SAR (measured) = 1.31 W/kg



P247 LTE XVII_QPSK_10M_Primary Portrait_0cm_Ch23790_25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 710$ MHz; $\sigma = 0.933$ mho/m; $\epsilon_r = 55.579$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23790/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.846 W/kg

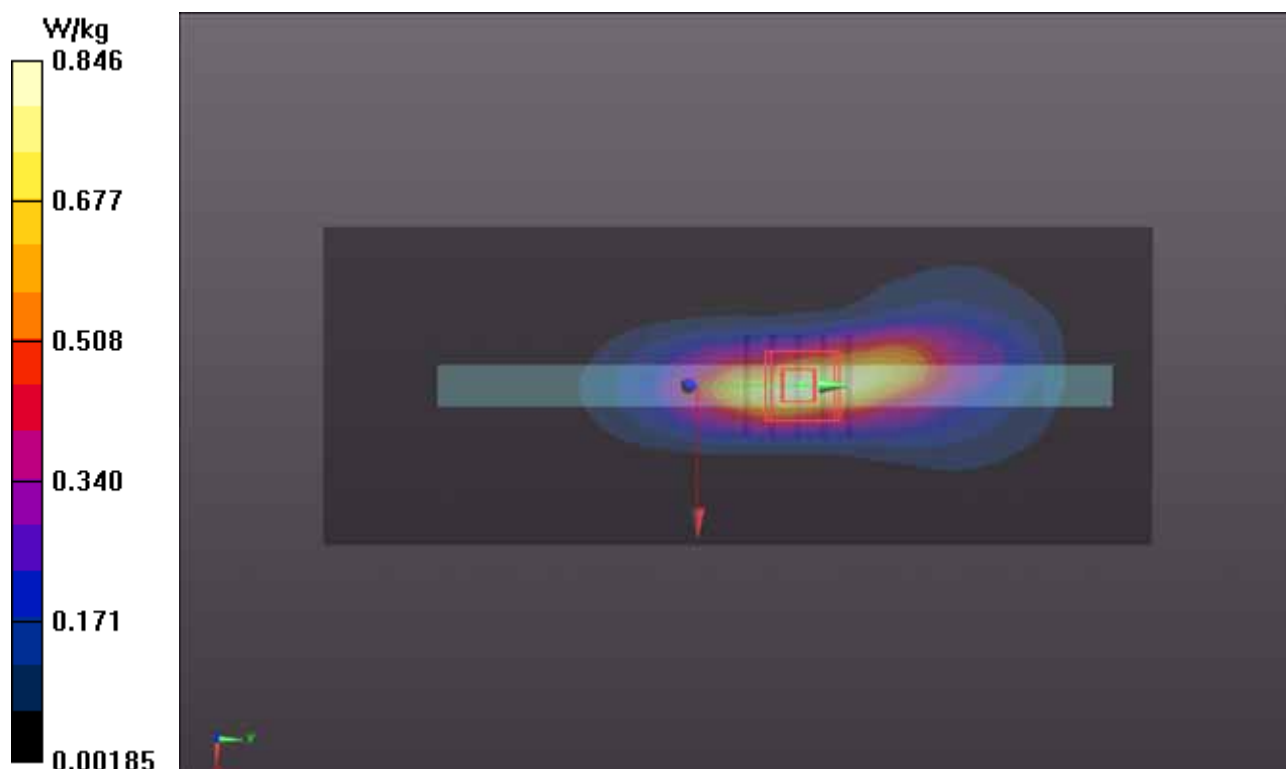
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.413 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.714 mW/g

SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.494 mW/g

Maximum value of SAR (measured) = 1.32 W/kg



P210 LTE XVII_16QAM_10M_Primary Portrait_0cm_Ch23800_25RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.721 W/kg

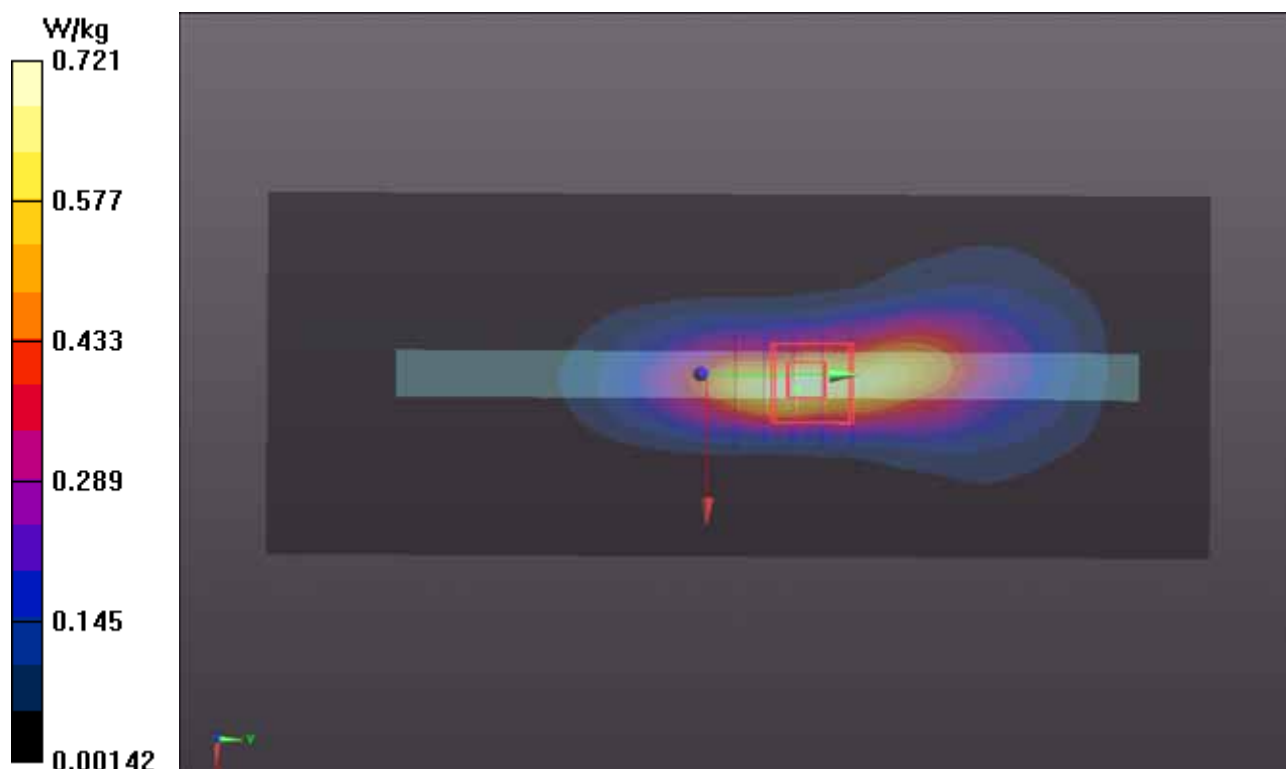
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.524 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.511 mW/g

SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 1.02 W/kg



P211 LTE XVII_16QAM_10M_Primary Portrait_0cm_Ch23800_1RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711$ MHz; $\sigma = 0.934$ mho/m; $\epsilon_r = 55.571$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °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 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.912 W/kg

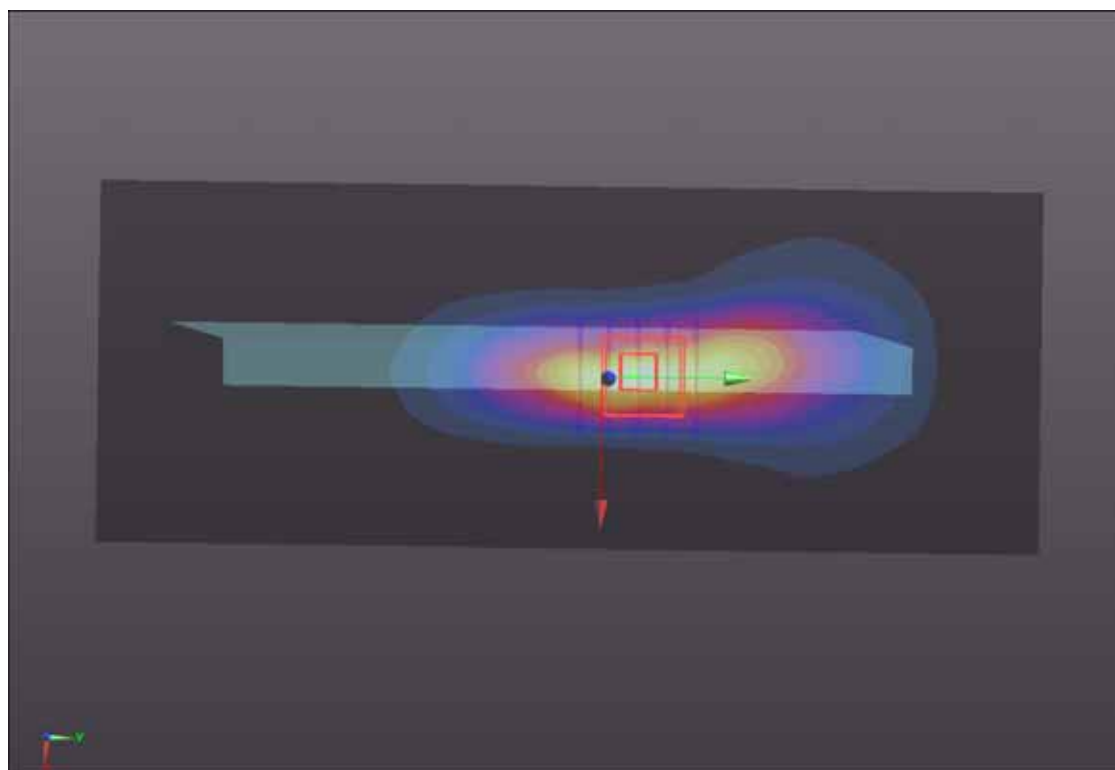
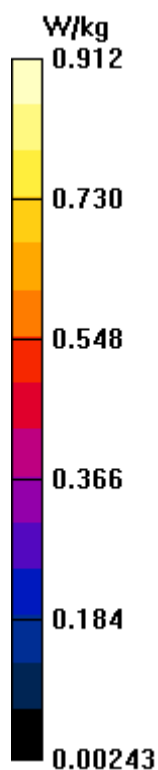
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.785 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.839 mW/g

SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.547 mW/g

Maximum value of SAR (measured) = 1.42 W/kg



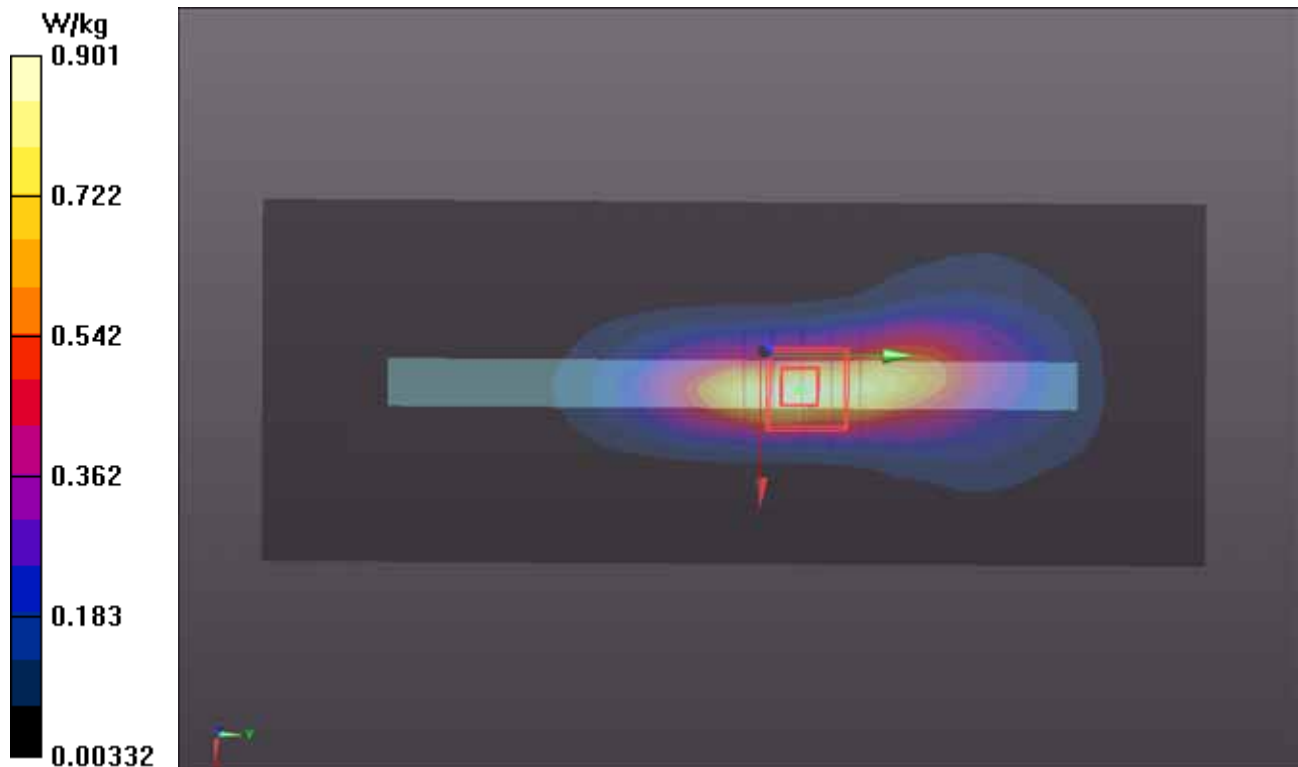
P212 LTE XVII_16QAM_10M_Primary Portrait_0cm_Ch23800_1RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750_0904 Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.934 \text{ mho/m}$; $\epsilon_r = 55.571$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $21.5 \text{ }^\circ\text{C}$; Liquid Temperature : $20.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23800/Area Scan (51x131x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.901 W/kg **Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 35.154 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 1.753 mW/g **SAR(1 g) = 0.967 mW/g ; SAR(10 g) = 0.524 mW/g** Maximum value of SAR (measured) = 1.38 W/kg 

P213 LTE IV_QPSK_10M_Rear Face_0cm_Ch20175_Sensor On_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.427 W/kg

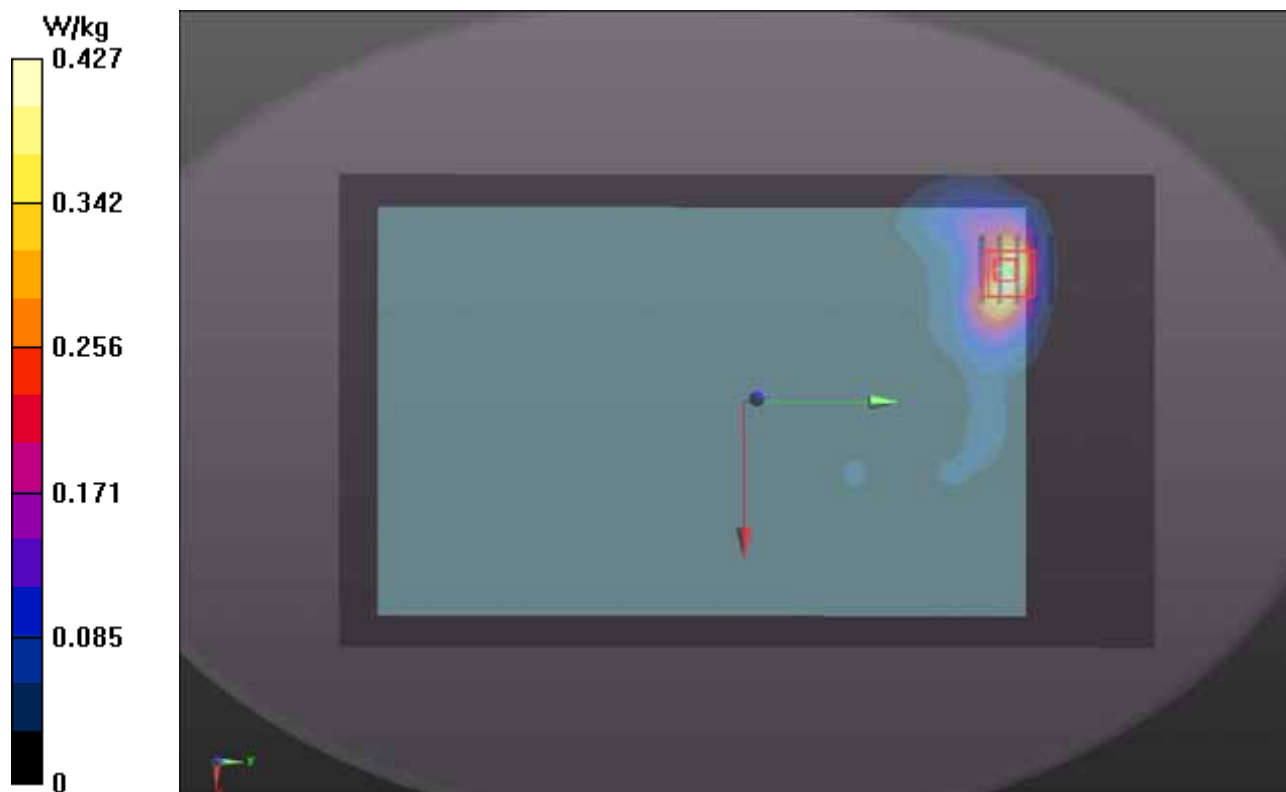
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.678 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.927 mW/g

SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 0.626 W/kg



P214 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor On_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.586 W/kg

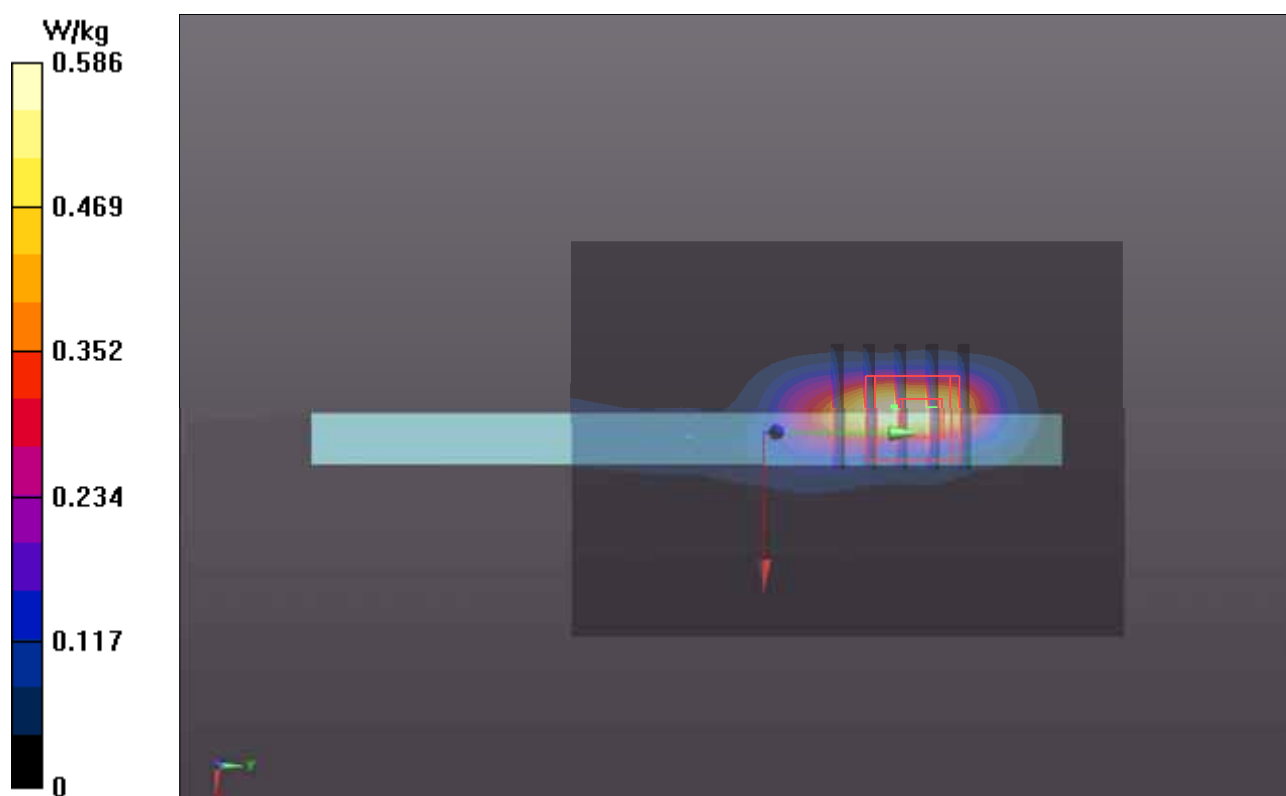
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.597 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.043 mW/g

SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.720 W/kg



P215 LTE IV_QPSK_10M_Rear Face_0cm_Ch20175_Sensor On_1 RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.411 W/kg

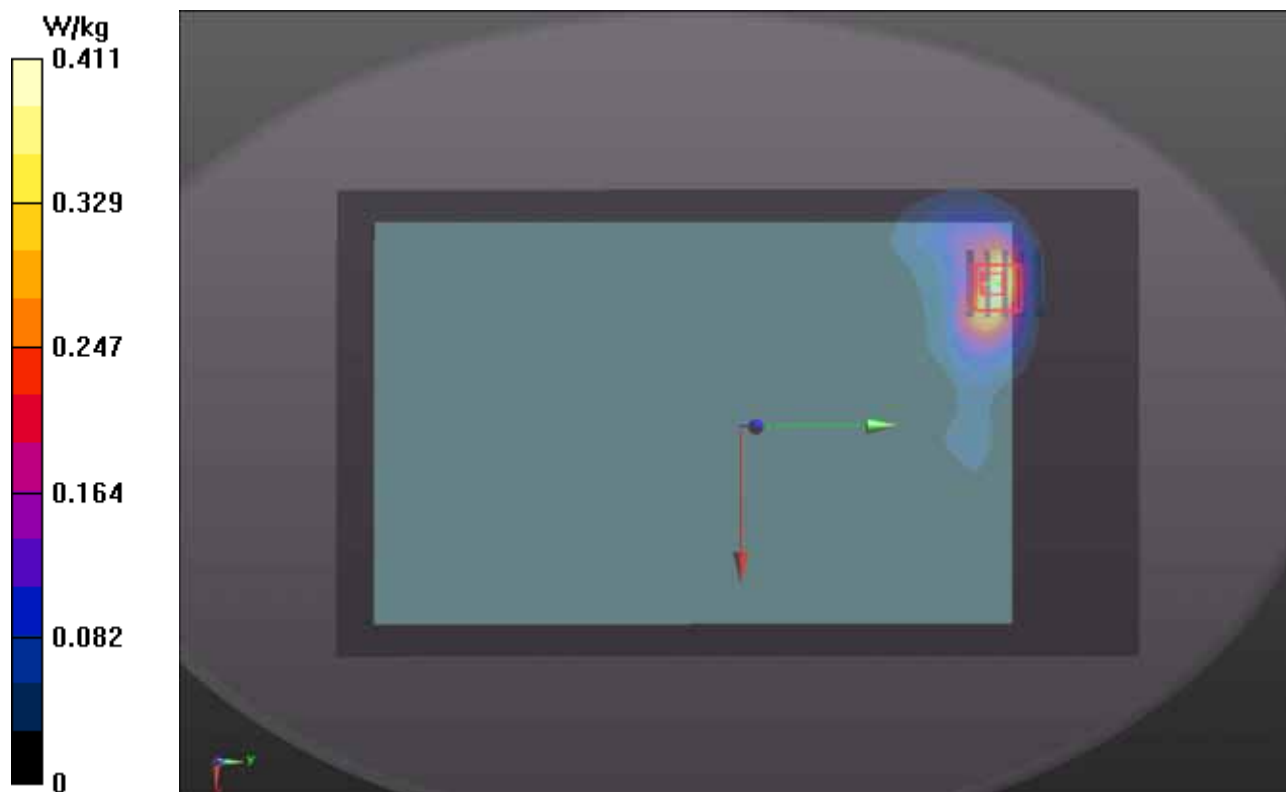
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.504 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.877 mW/g

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.592 W/kg



P216 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor On_1 RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.621 W/kg

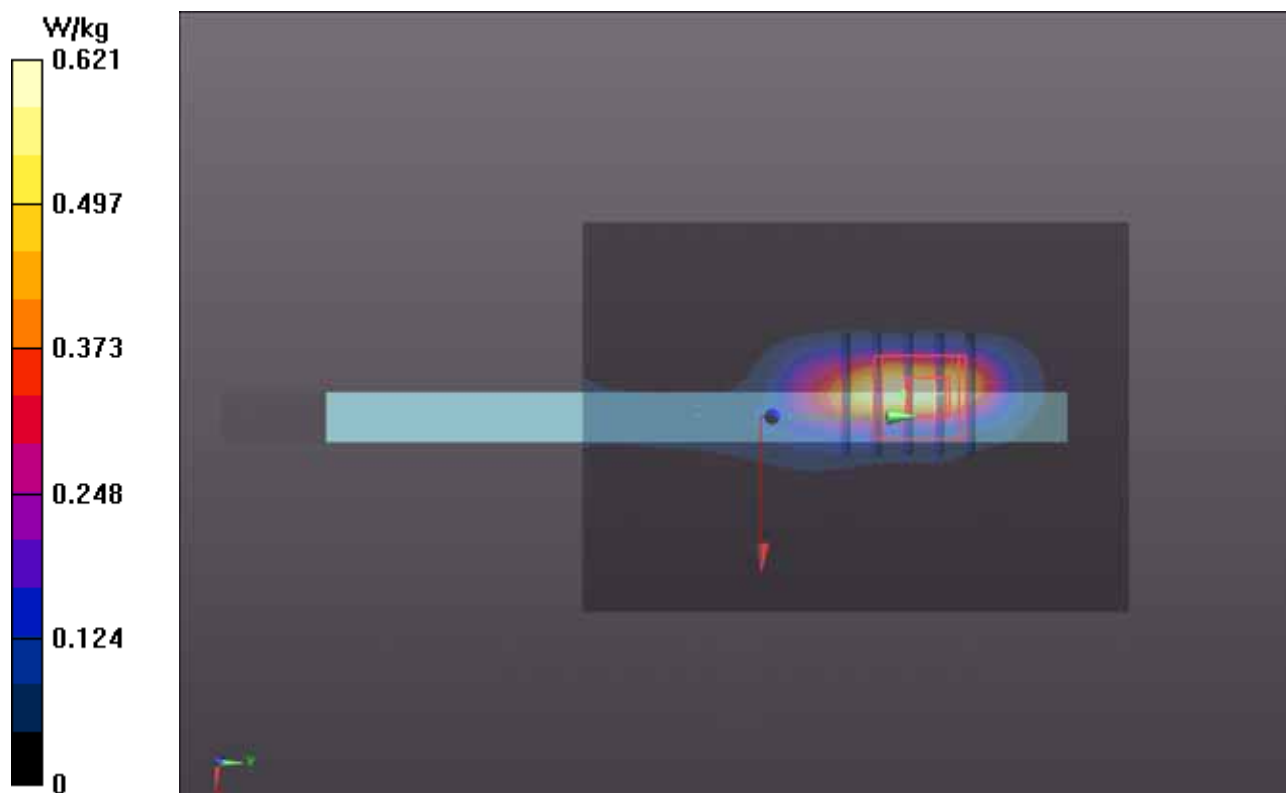
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.738 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.082 mW/g

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.852 W/kg



P217 LTE IV_QPSK_10M_Rear Face_0cm_Ch20175_Sensor On_1 RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x191x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.395 W/kg

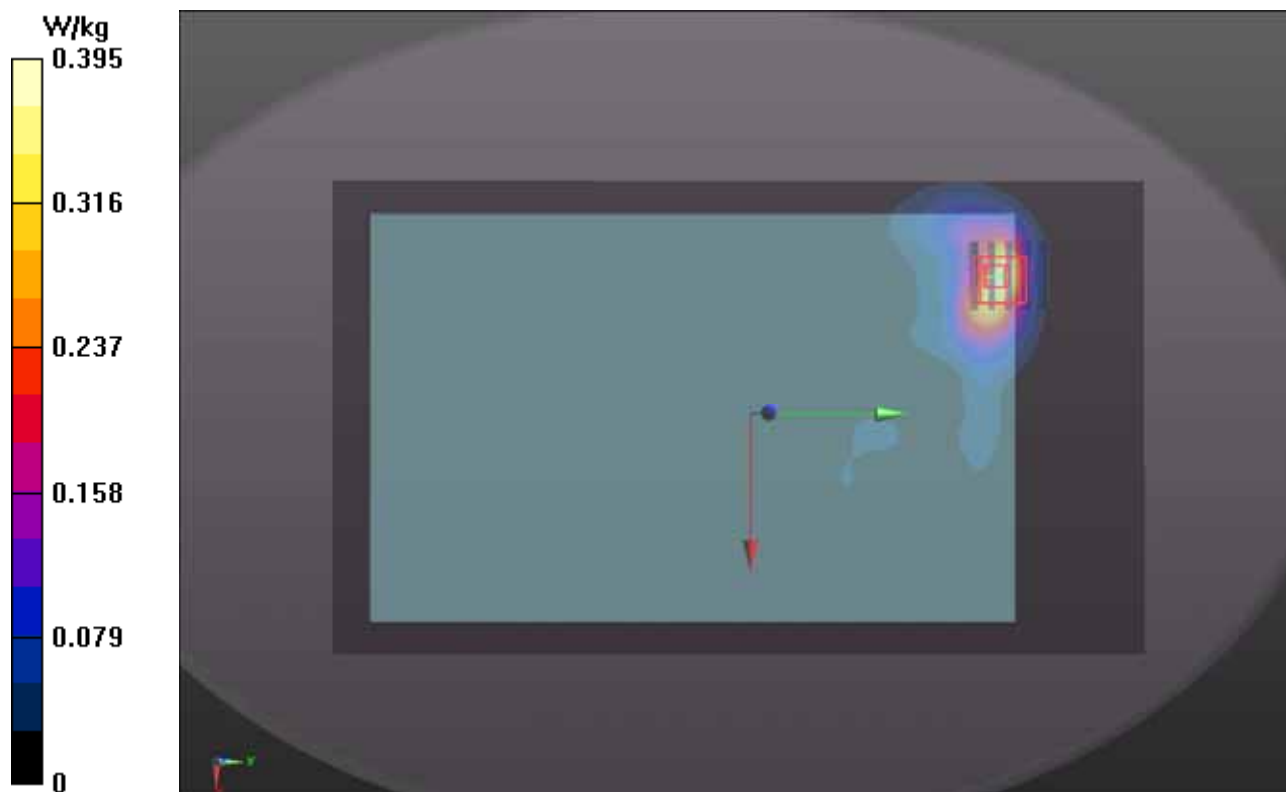
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.801 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.875 mW/g

SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.595 W/kg



P218 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor On_1 RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.568 W/kg

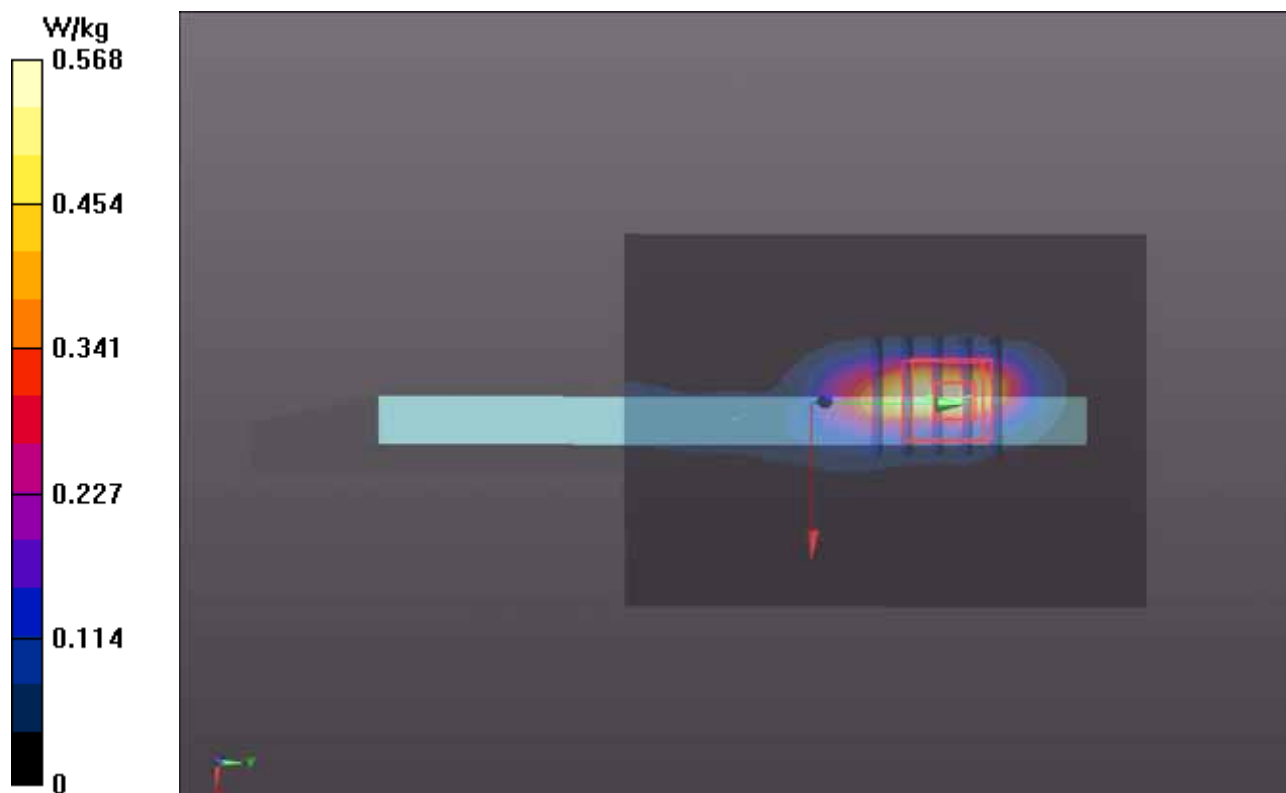
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.542 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.995 mW/g

SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.785 W/kg



P219 LTE IV_16QAM_10M_Primary Portrait_0cm_Ch20175_Sensor On_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.643 W/kg

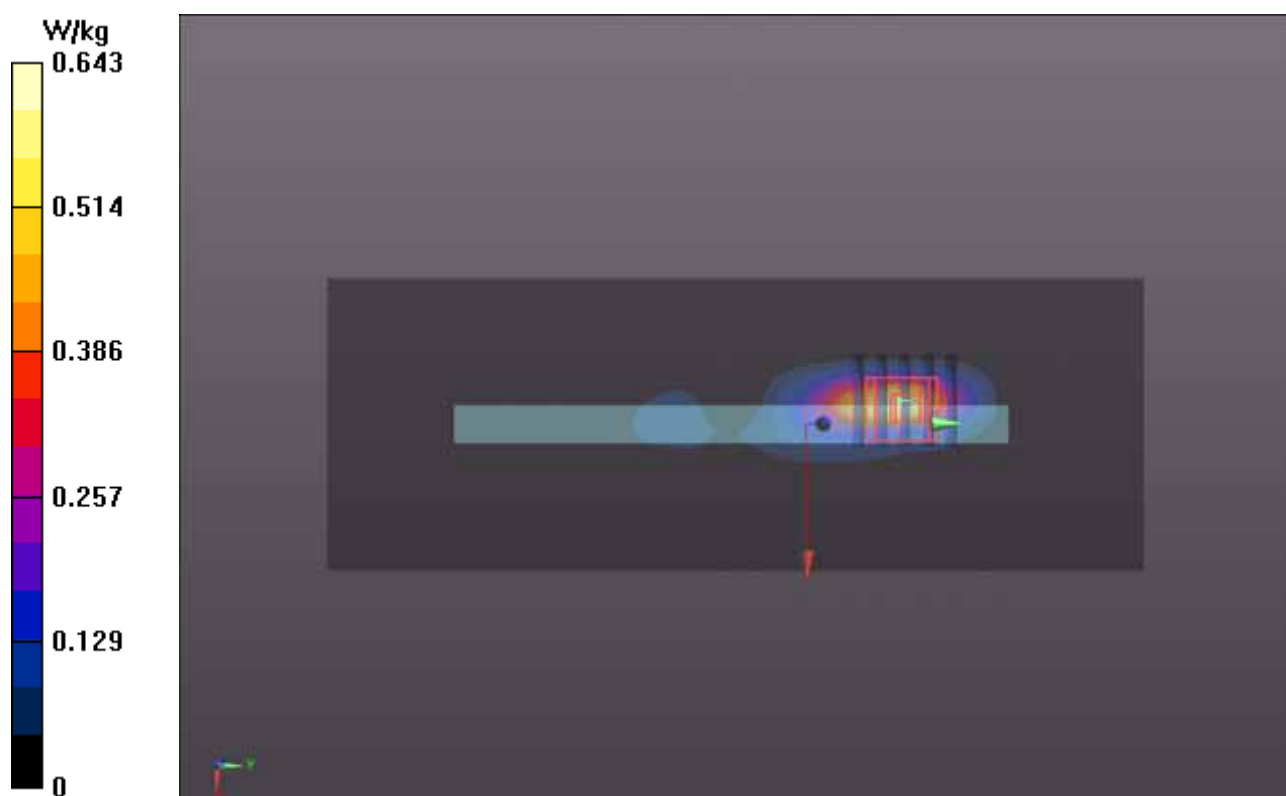
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.641 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.027 mW/g

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 0.715 W/kg



P220 LTE IV_16QAM_10M_Primary Portrait_0cm_Ch20175_Sensor On_1 RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.636 W/kg

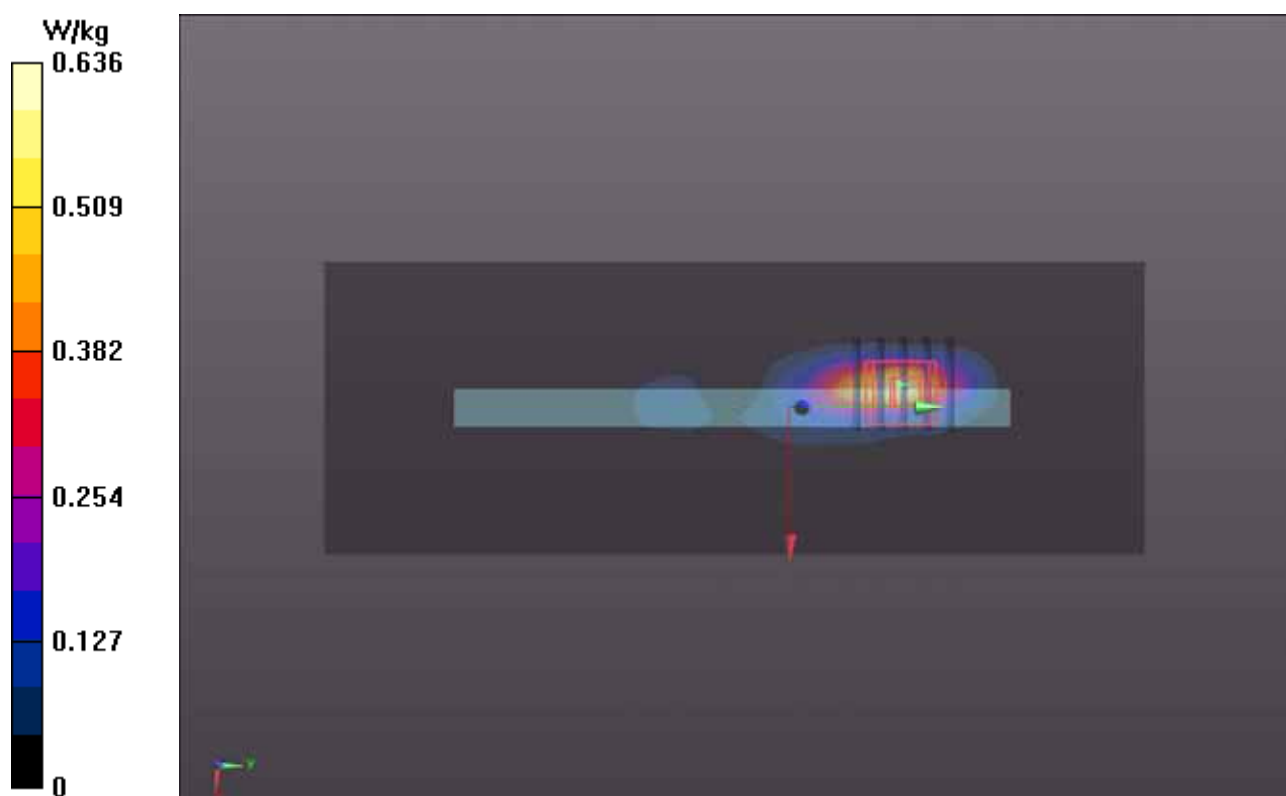
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.547 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.002 mW/g

SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.700 W/kg



P221 LTE IV_16QAM_10M_Primary Portrait_0cm_Ch20175_Sensor On_1 RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0831 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.606 W/kg

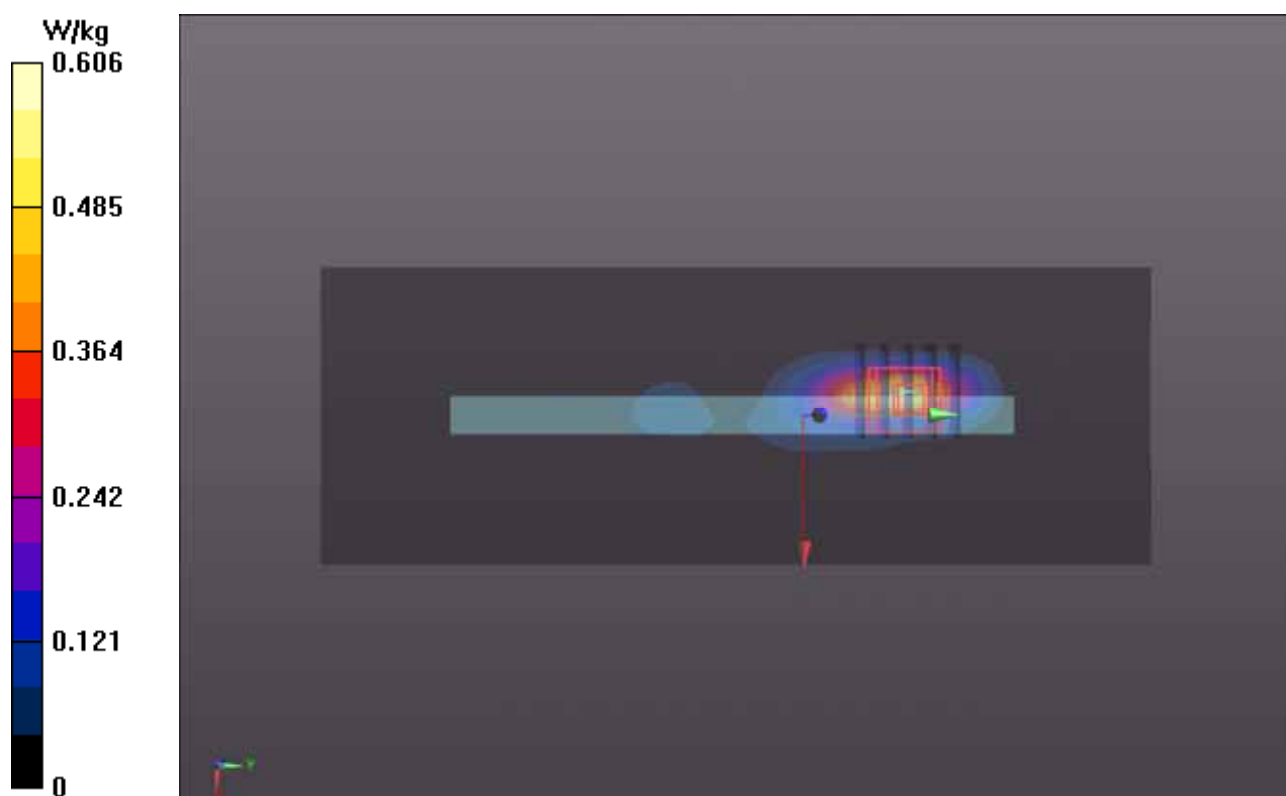
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.505 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 0.933 mW/g

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.655 W/kg



P222 LTE IV_QPSK_10M_Rear Face_1.6cm_Ch20175_Sensor Off_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.384 W/kg

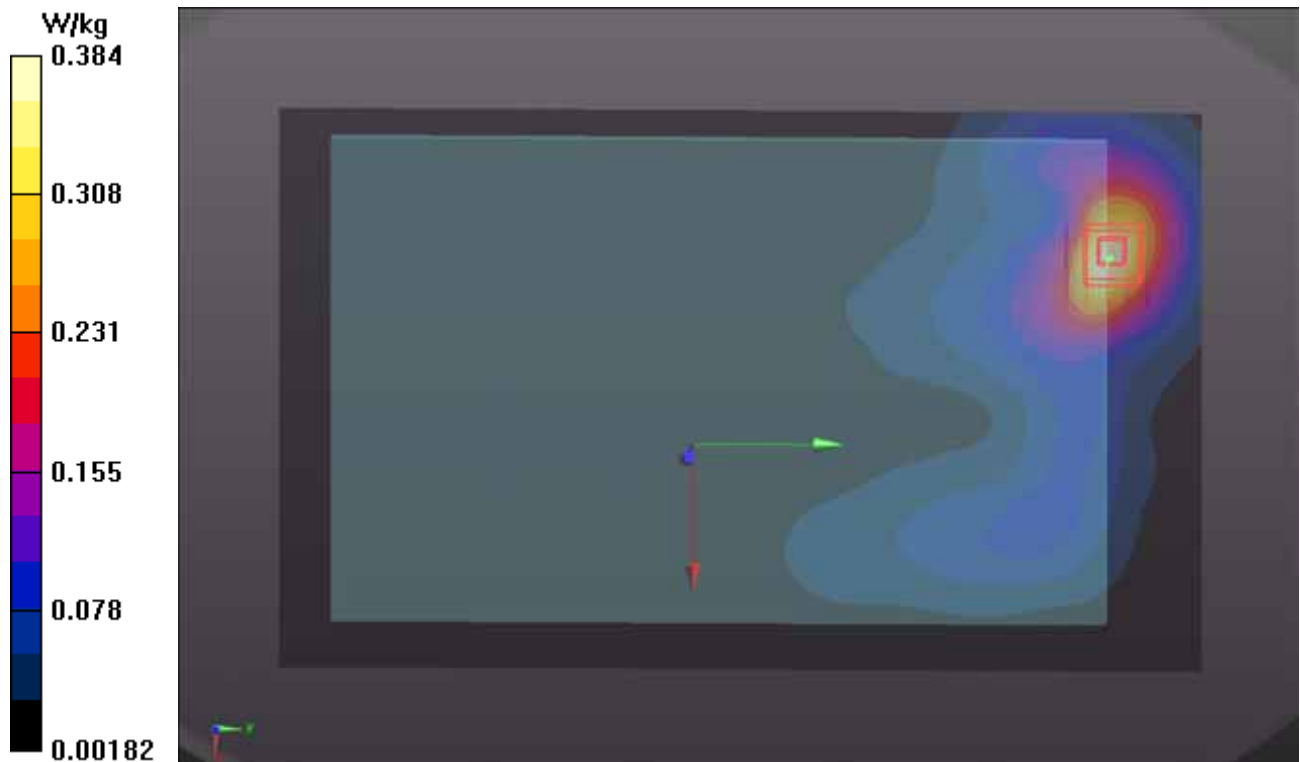
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.478 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.461 mW/g

SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.200 mW/g

Maximum value of SAR (measured) = 0.388 W/kg



P223 LTE IV_QPSK_10M_Rear Face _0cm_Ch20175_Sensor Off_25 RB_Offset 12_Angel Left 20**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x171x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.235 W/kg

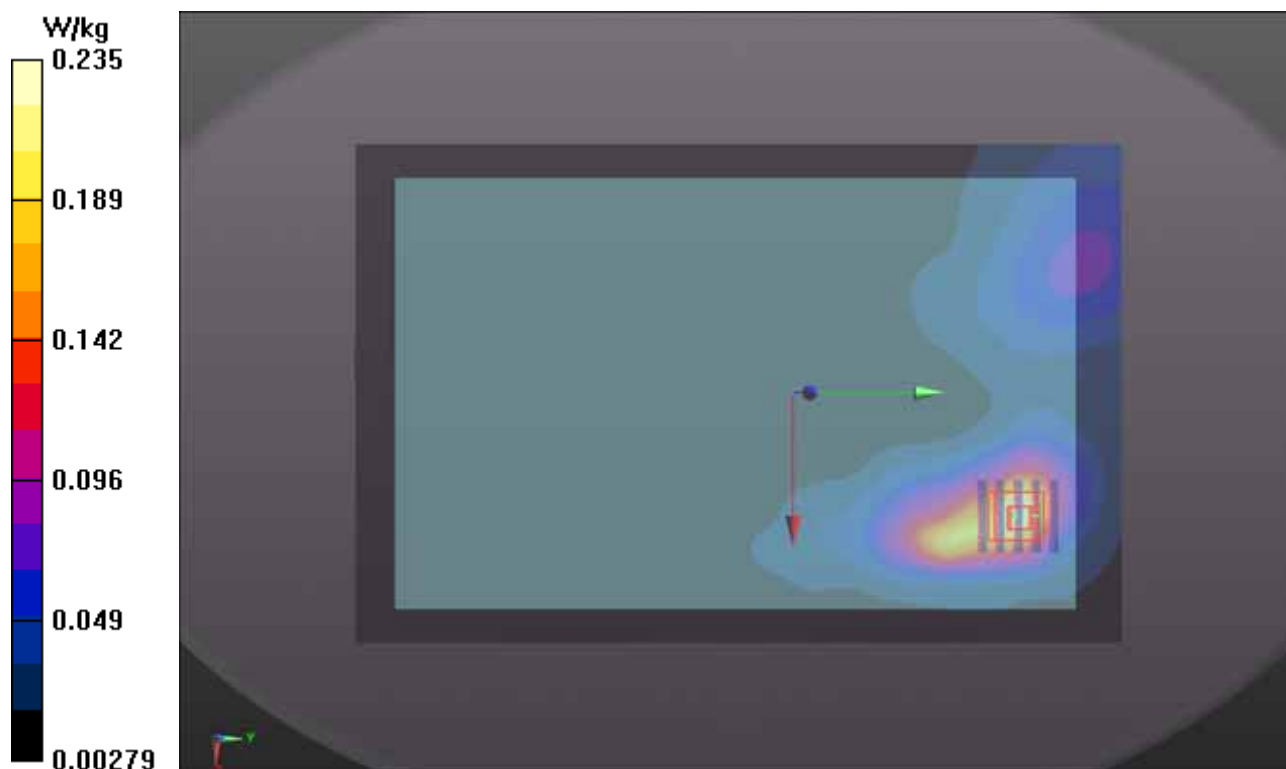
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.419 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.266 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.222 W/kg



P225 LTE IV_QPSK_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.952 W/kg

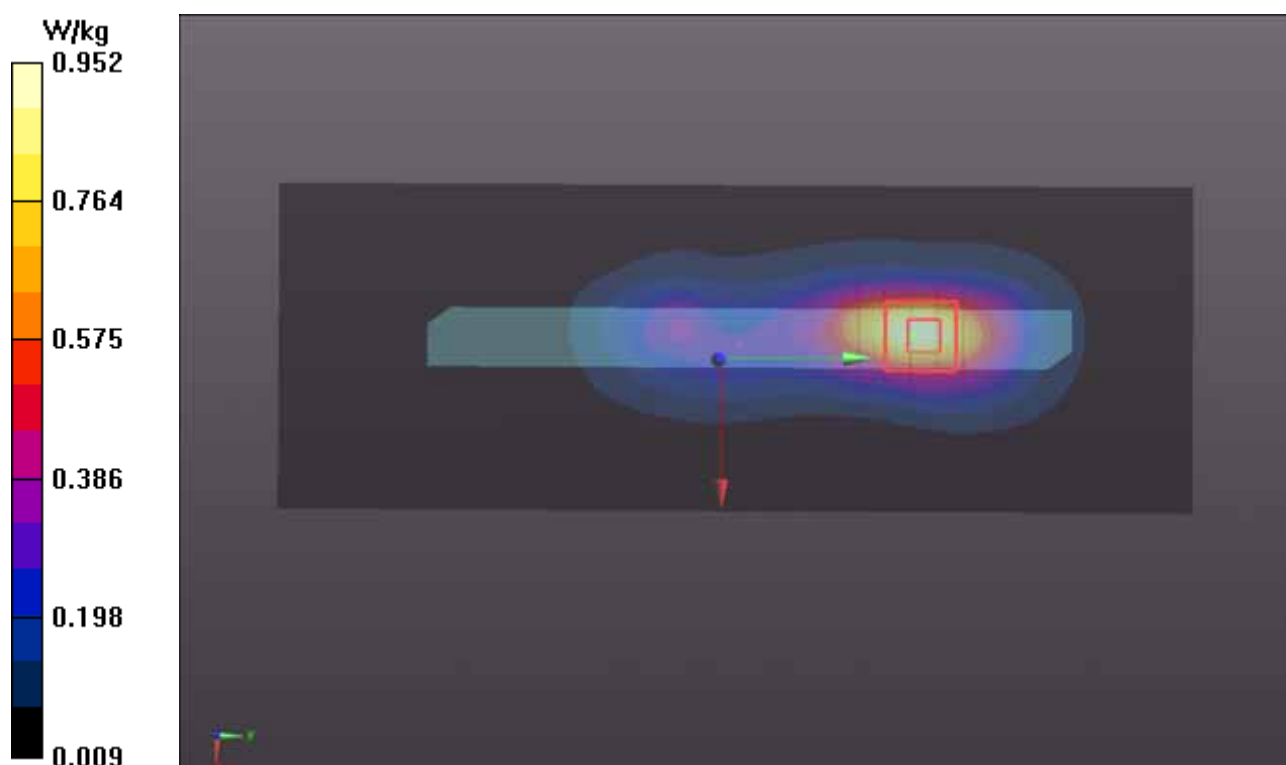
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.931 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.238 mW/g

SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.461 mW/g

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



**P226 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor Off_25
RB_Offset 12_Angel Left 14****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.173 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.035 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.196 mW/g

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.165 W/kg

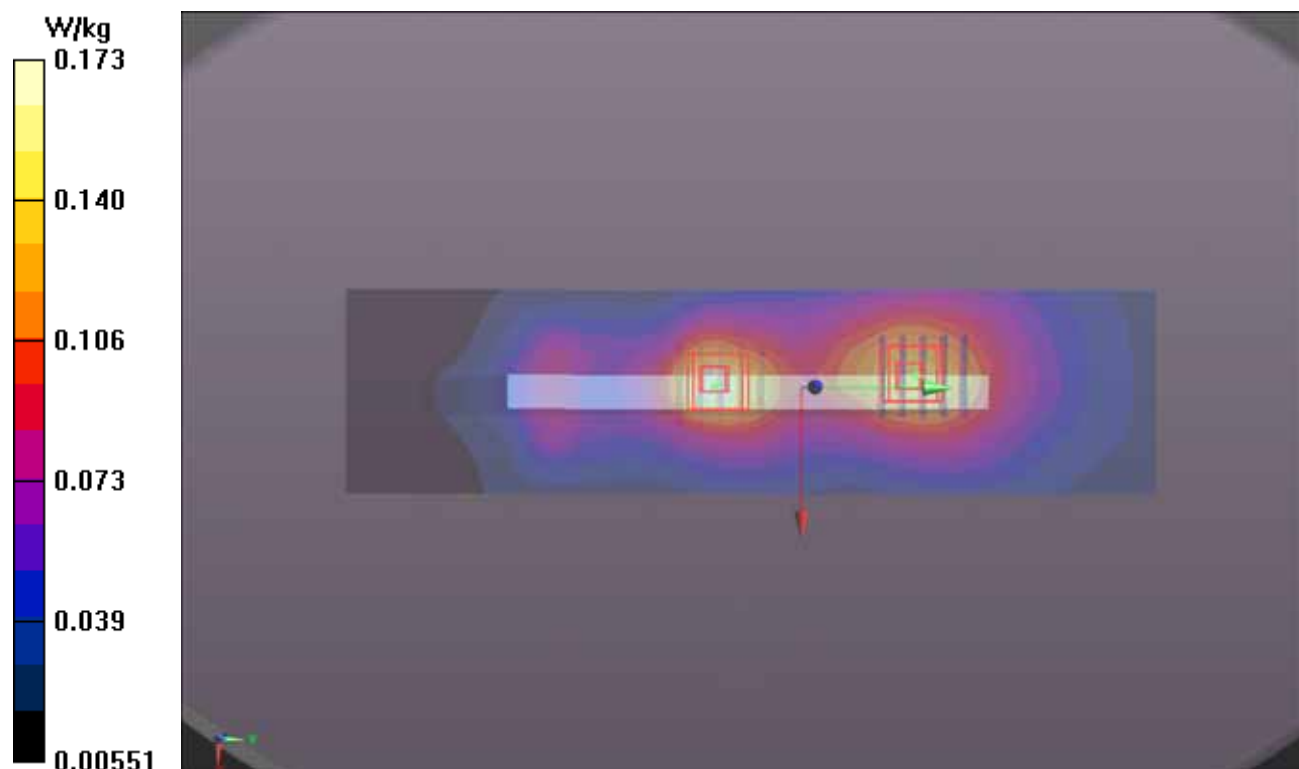
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.035 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.170 mW/g

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.146 W/kg



P228 LTE IV_QPSK_10M_Primary Landscape_0cm_Ch20175_Sensor Off_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (31x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.416 W/kg

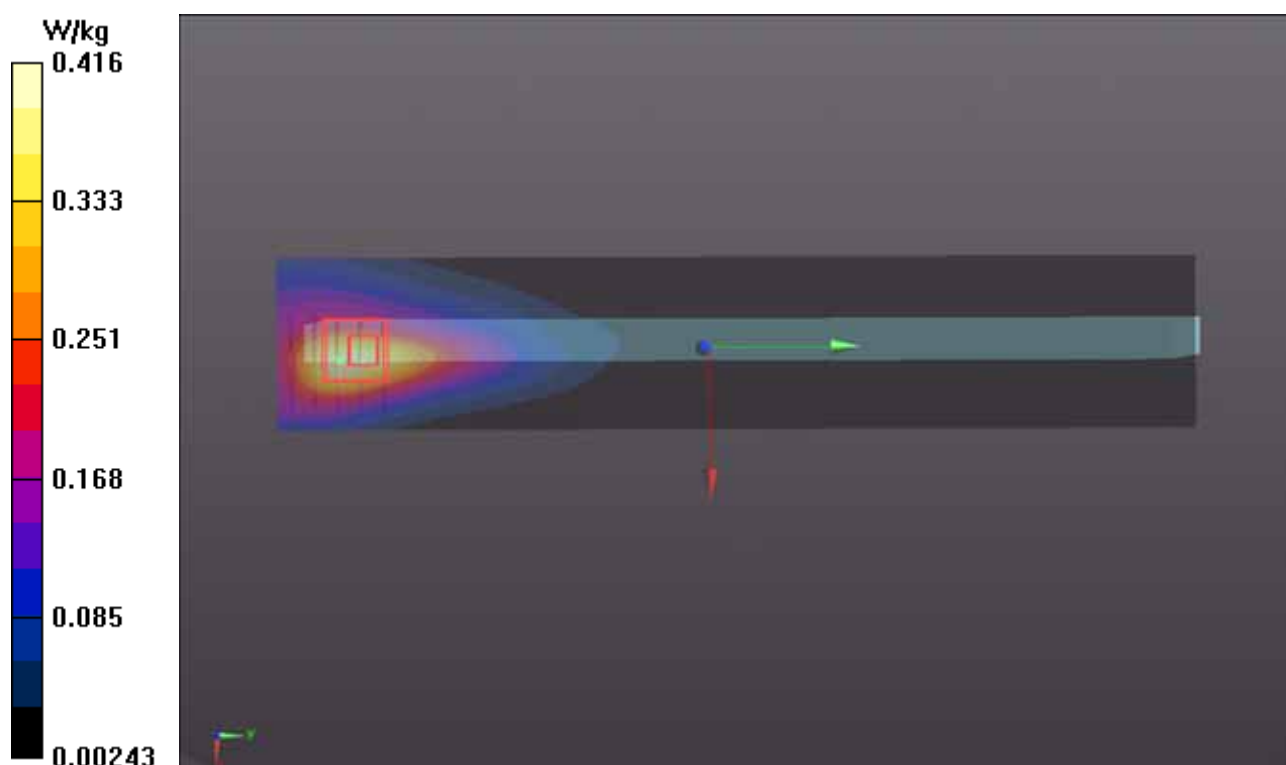
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.296 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.926 mW/g

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.661 W/kg



P229 LTE IV_QPSK_10M_Rear Face_1.6cm_Ch20175_Sensor Off_1 RB_Offset 0**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.475 W/kg

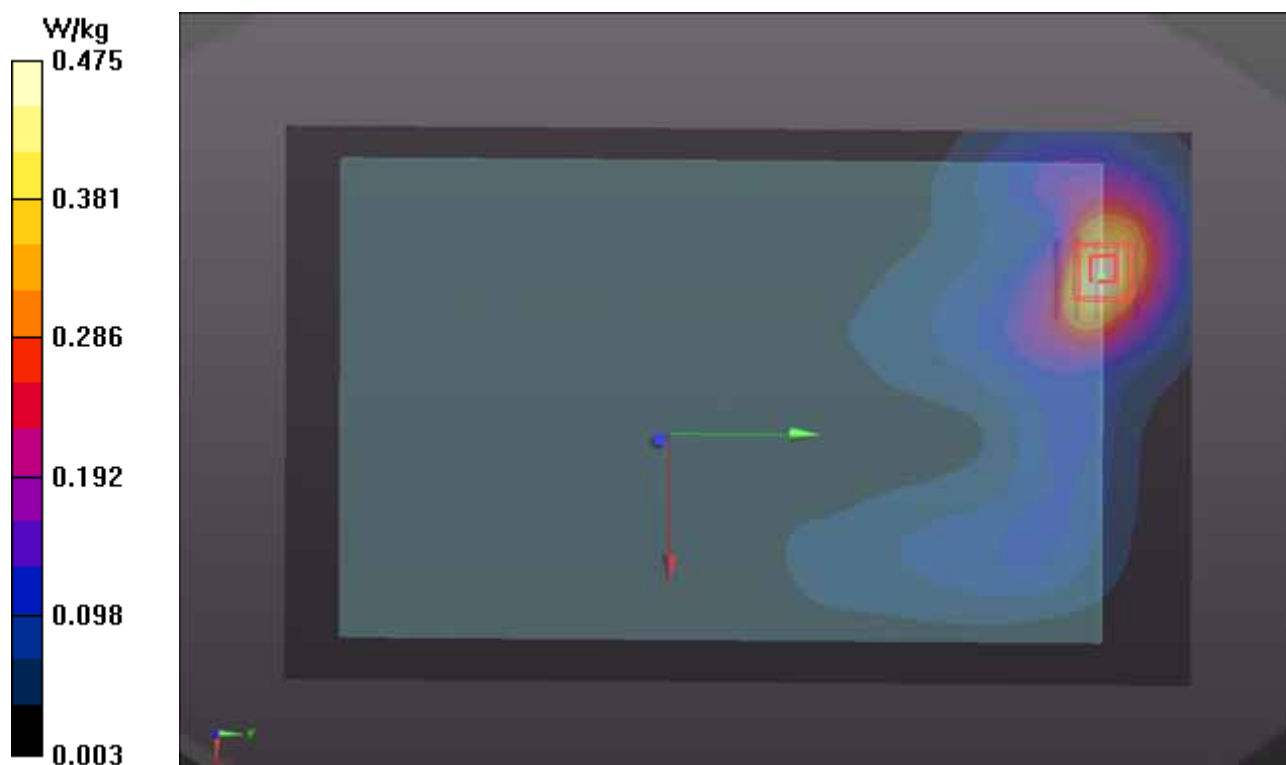
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.704 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.571 mW/g

SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.482 W/kg



P230 LTE IV_QPSK_10M_Rear Face _0cm_Ch20175_Sensor Off_1 RB_Offset 0_Angel Left 20**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.289 W/kg

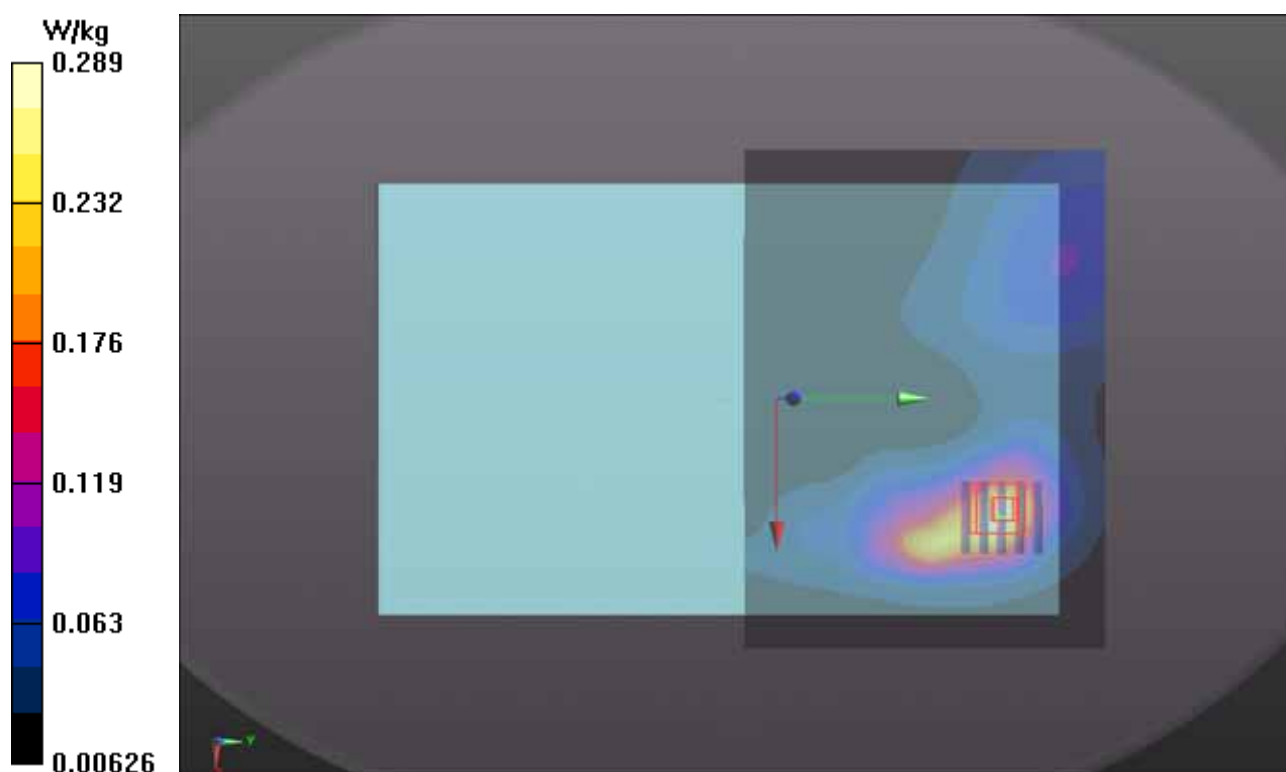
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.405 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 0.259 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.218 W/kg



**P232 LTE IV_QPSK_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_1
RB_Offset 0****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.18 W/kg

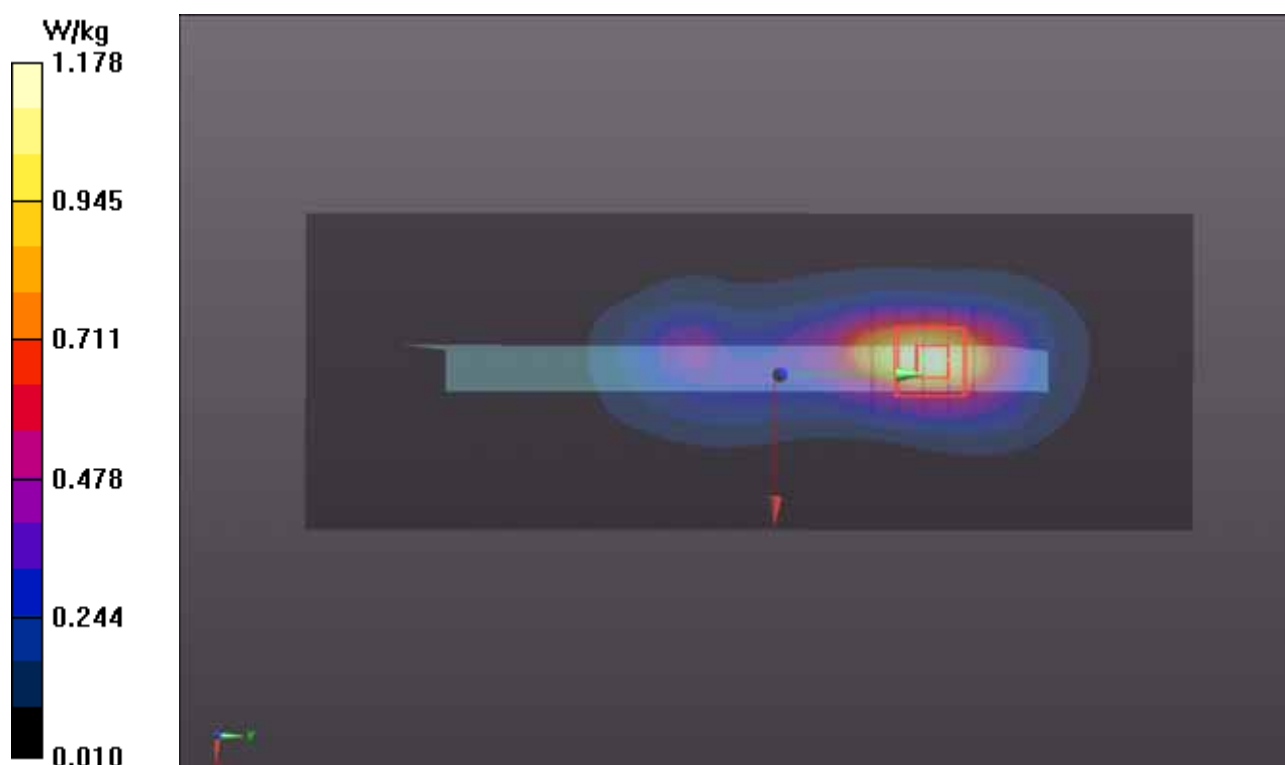
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.564 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.512 mW/g

SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.570 mW/g

Maximum value of SAR (measured) = 1.26 W/kg



**P233 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor Off_1
RB_Offset 0_Angel Left 14****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.208 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.973 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.239 mW/g

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.206 W/kg

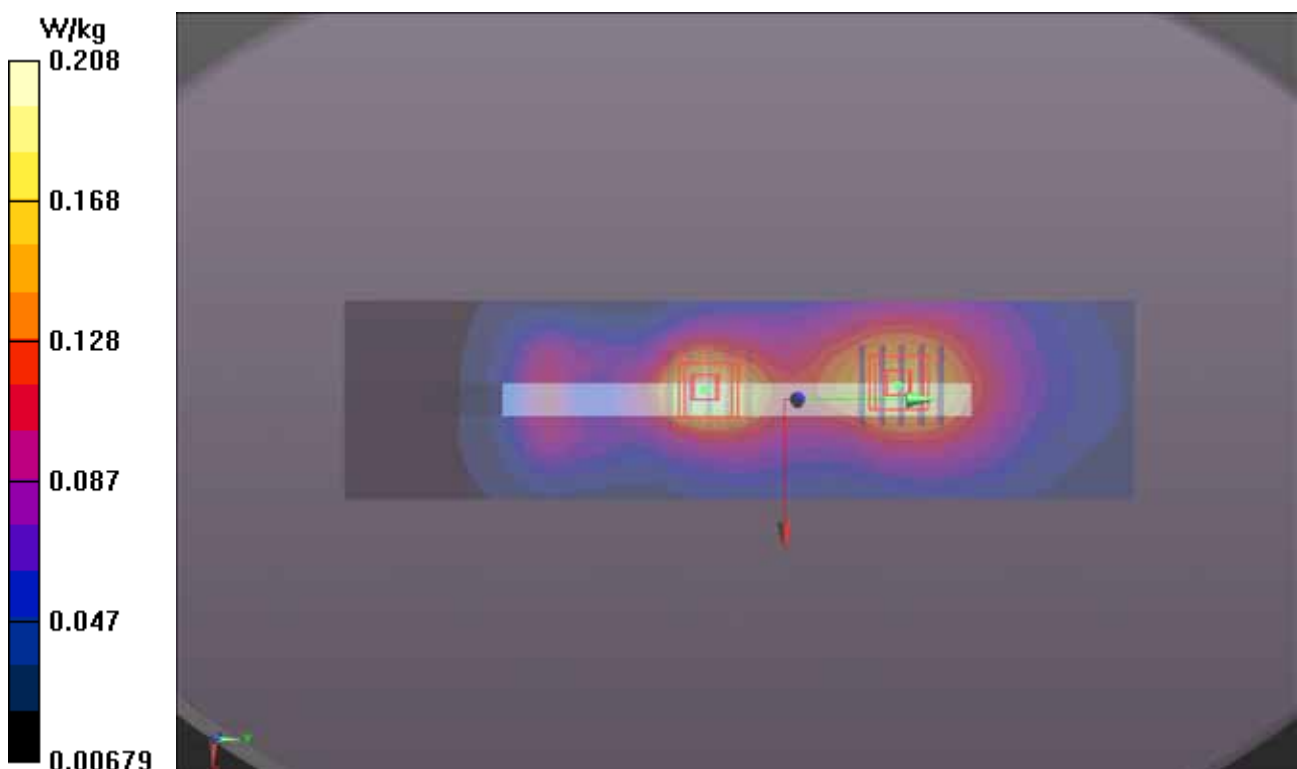
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.973 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.208 mW/g

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.178 W/kg



**P235 LTE IV_QPSK_10M_Primary Landscape_0cm_Ch20175_Sensor Off_1
RB_Offset 0****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (31x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.517 W/kg

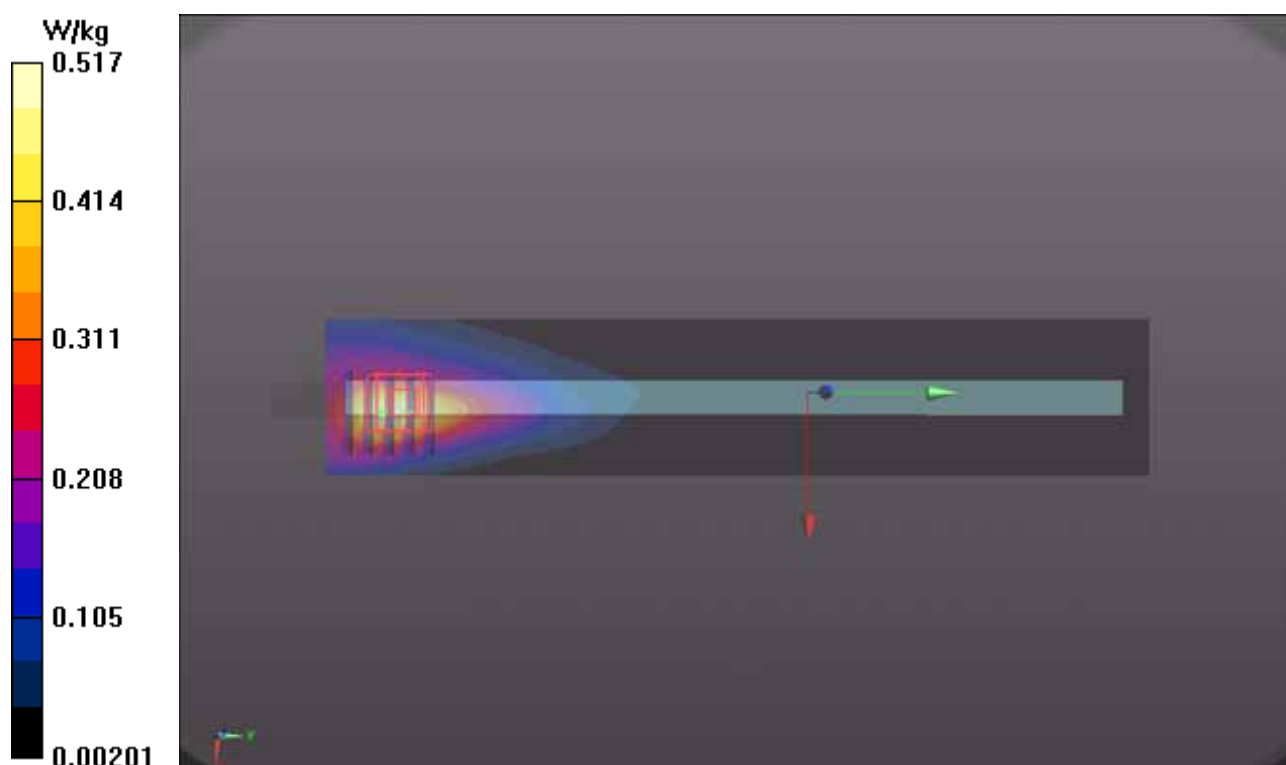
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.105 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.140 mW/g

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.302 mW/g

Maximum value of SAR (measured) = 0.816 W/kg



P236 LTE IV_QPSK_10M_Rear Face_1.6cm_Ch20175_Sensor Off_1 RB_Offset 49**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.481 W/kg

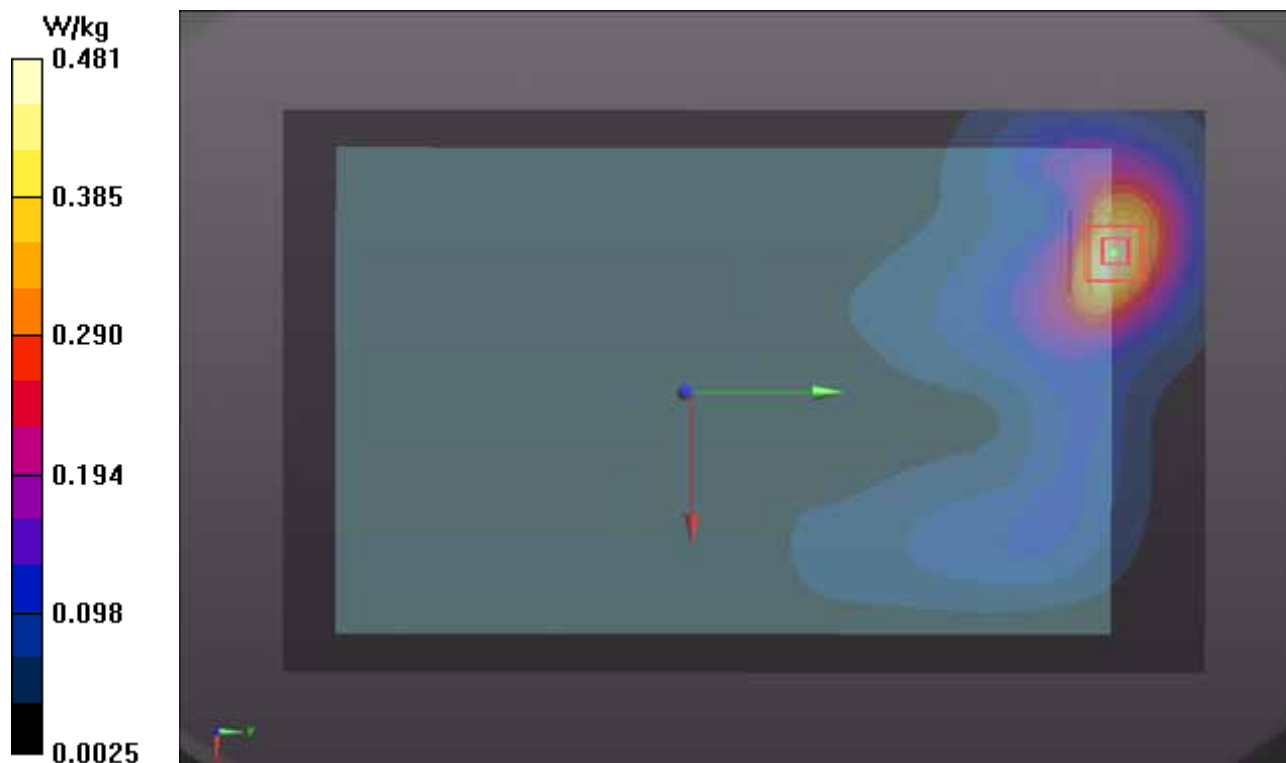
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.750 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.579 mW/g

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 0.494 W/kg



P237 LTE IV_QPSK_10M_Rear Face _0cm_Ch20175_Sensor Off_1 RB_Offset 49_Angel Left 20**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (111x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.267 W/kg

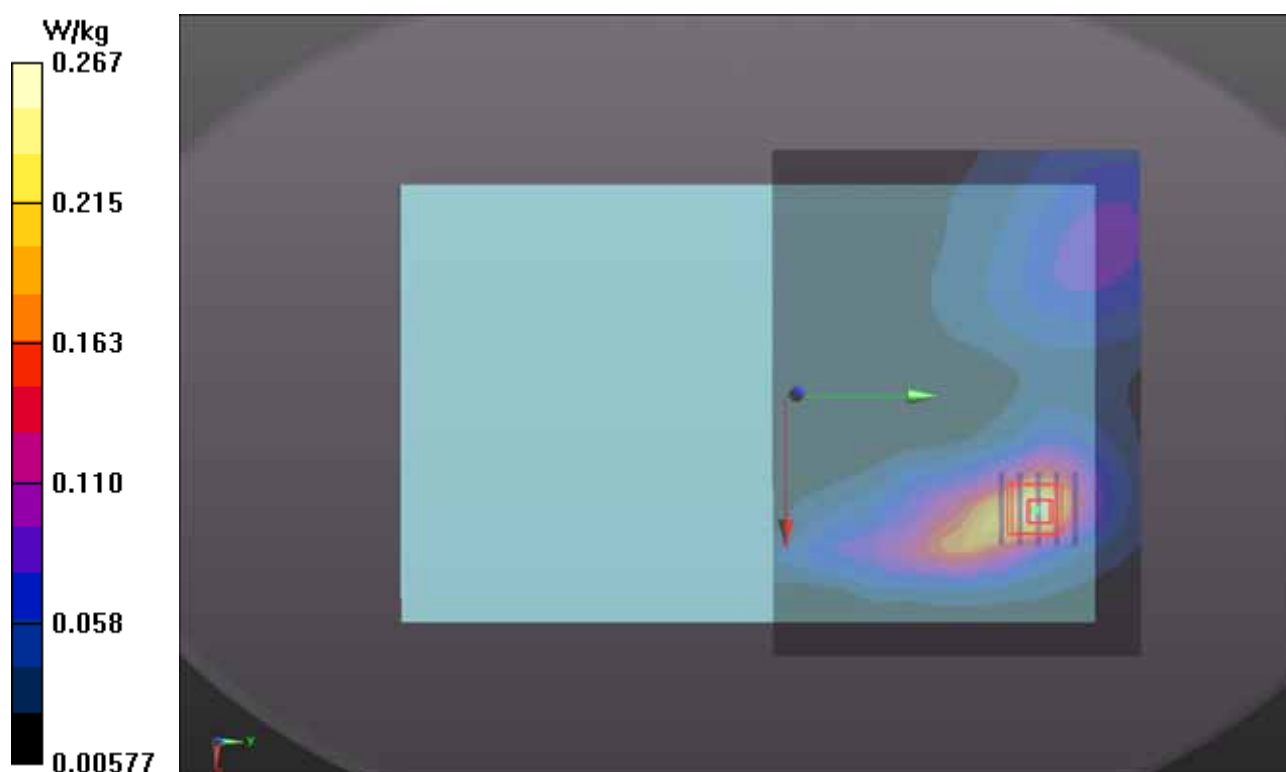
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.400 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.259 mW/g

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.220 W/kg



**P239 LTE IV_QPSK_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_1
RB_Offset 49****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (51x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.18 W/kg

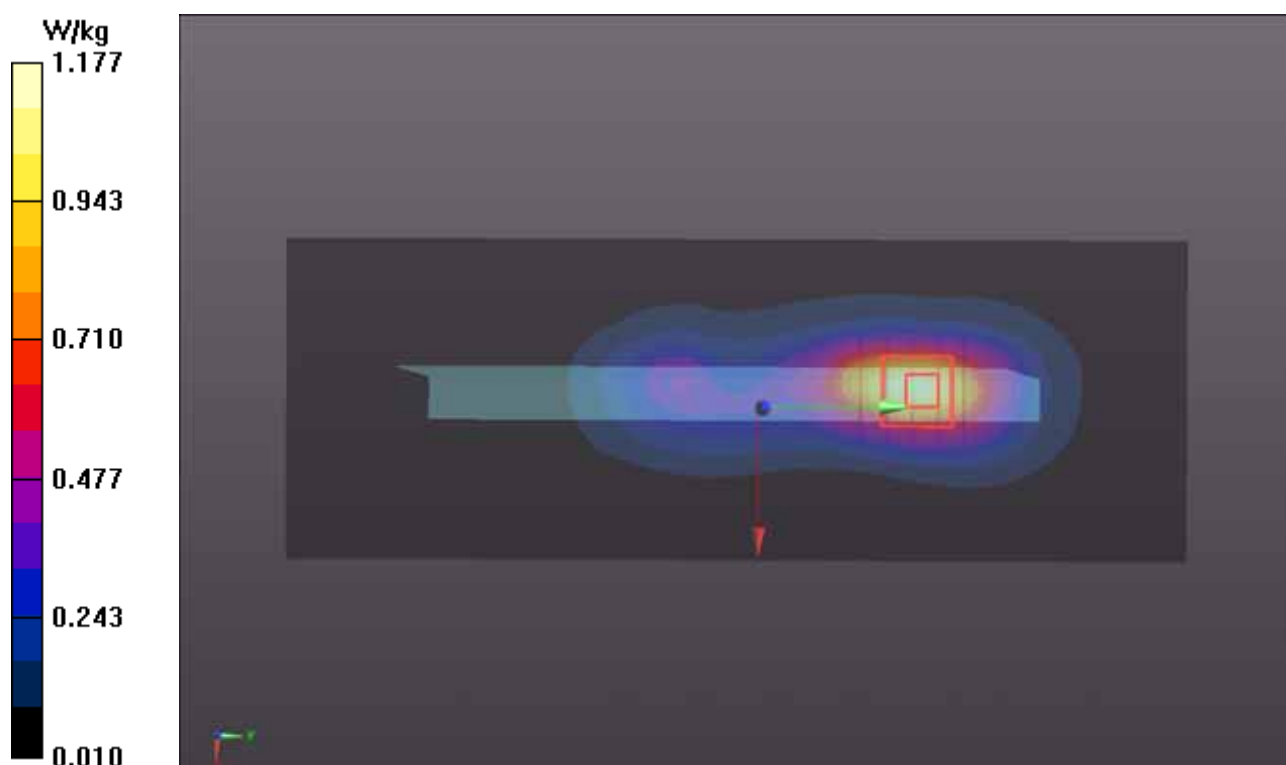
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

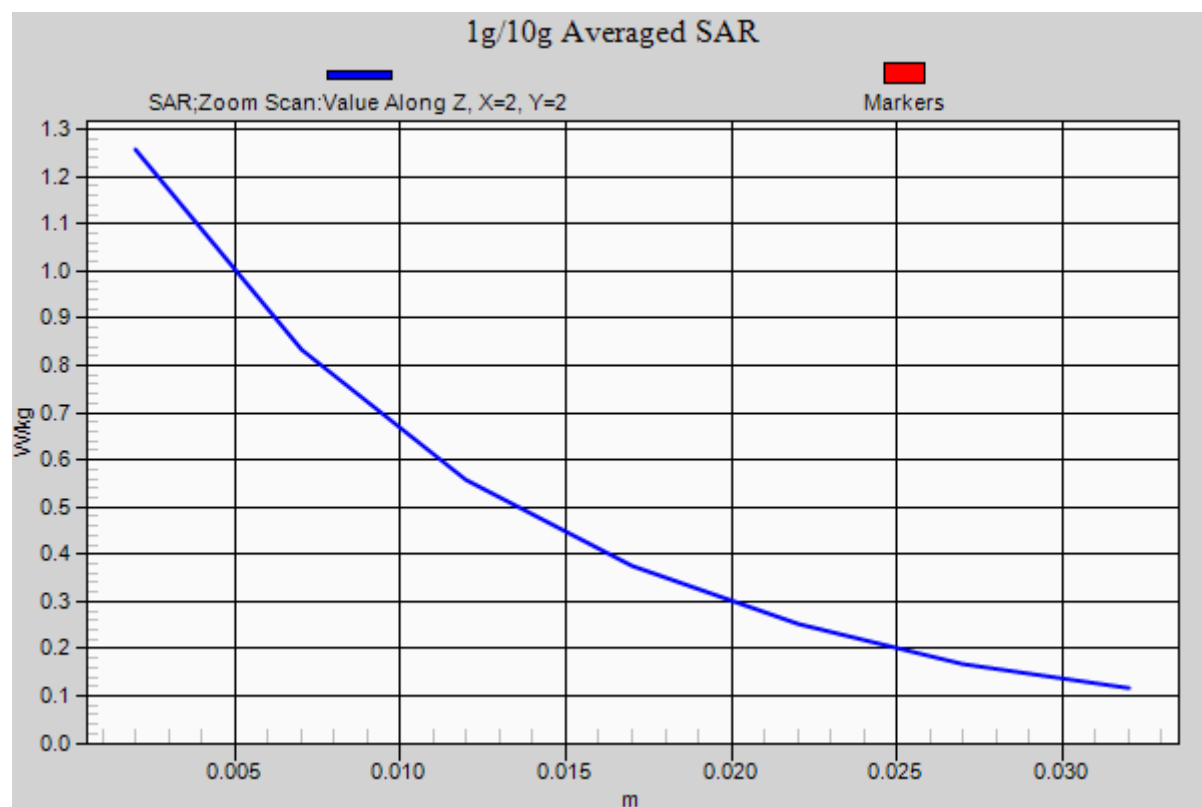
Reference Value = 16.357 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.526 mW/g

SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 1.26 W/kg





**P240 LTE IV_QPSK_10M_Primary Portrait_0cm_Ch20175_Sensor Off_1
RB_Offset 49_Angel Left 14****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.222 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.311 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.259 mW/g

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.221 W/kg

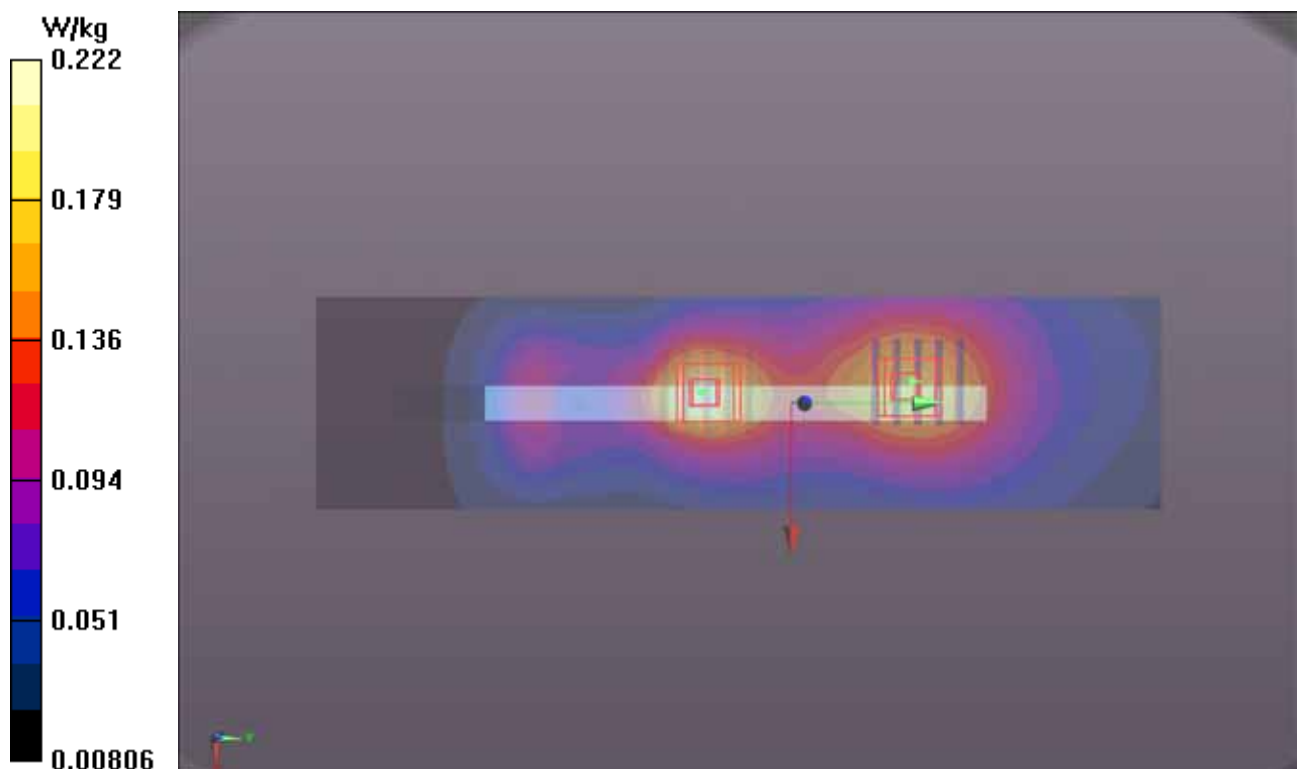
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.311 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.221 mW/g

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.188 W/kg



**P242 LTE IV_QPSK_10M_Primary Landscape_0cm_Ch20175_Sensor Off_1
RB_Offset 49****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (31x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.529 W/kg

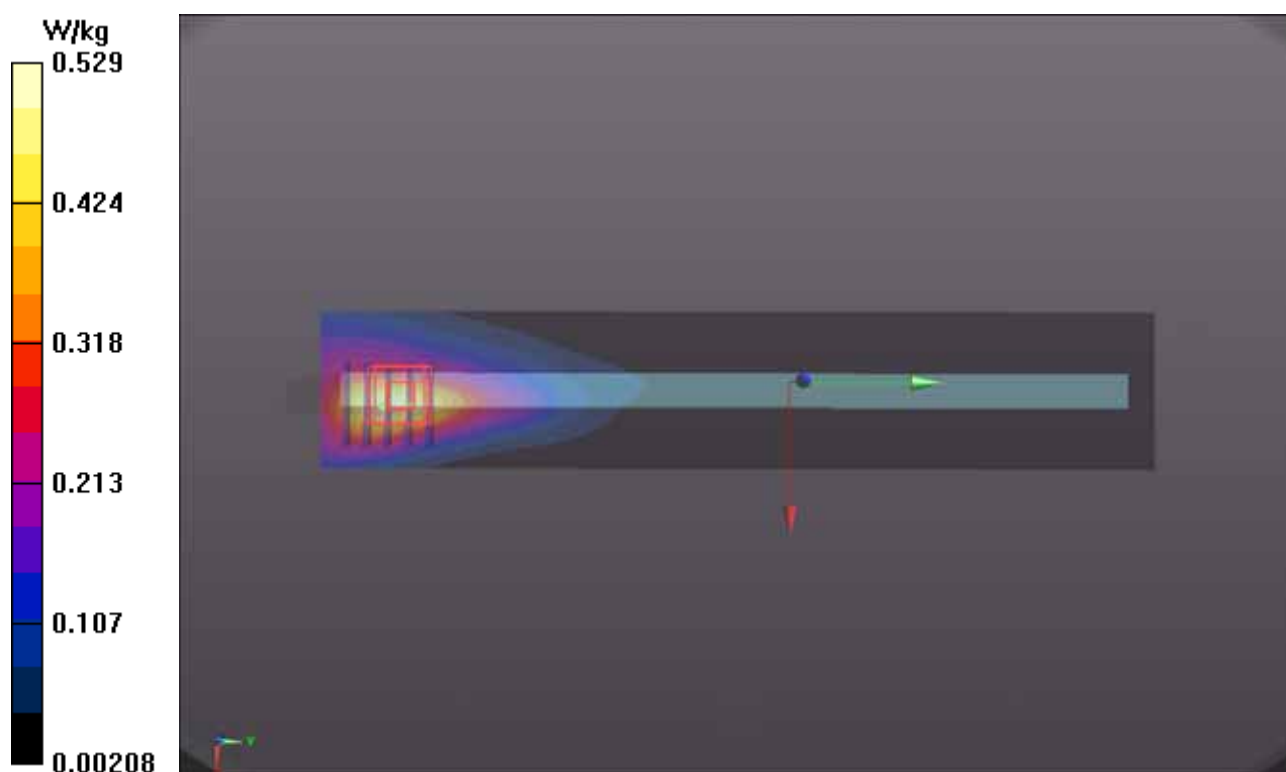
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.132 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.174 mW/g

SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.310 mW/g

Maximum value of SAR (measured) = 0.826 W/kg



P243 LTE IV_16QAM_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_25 RB_Offset 12**DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.804 W/kg

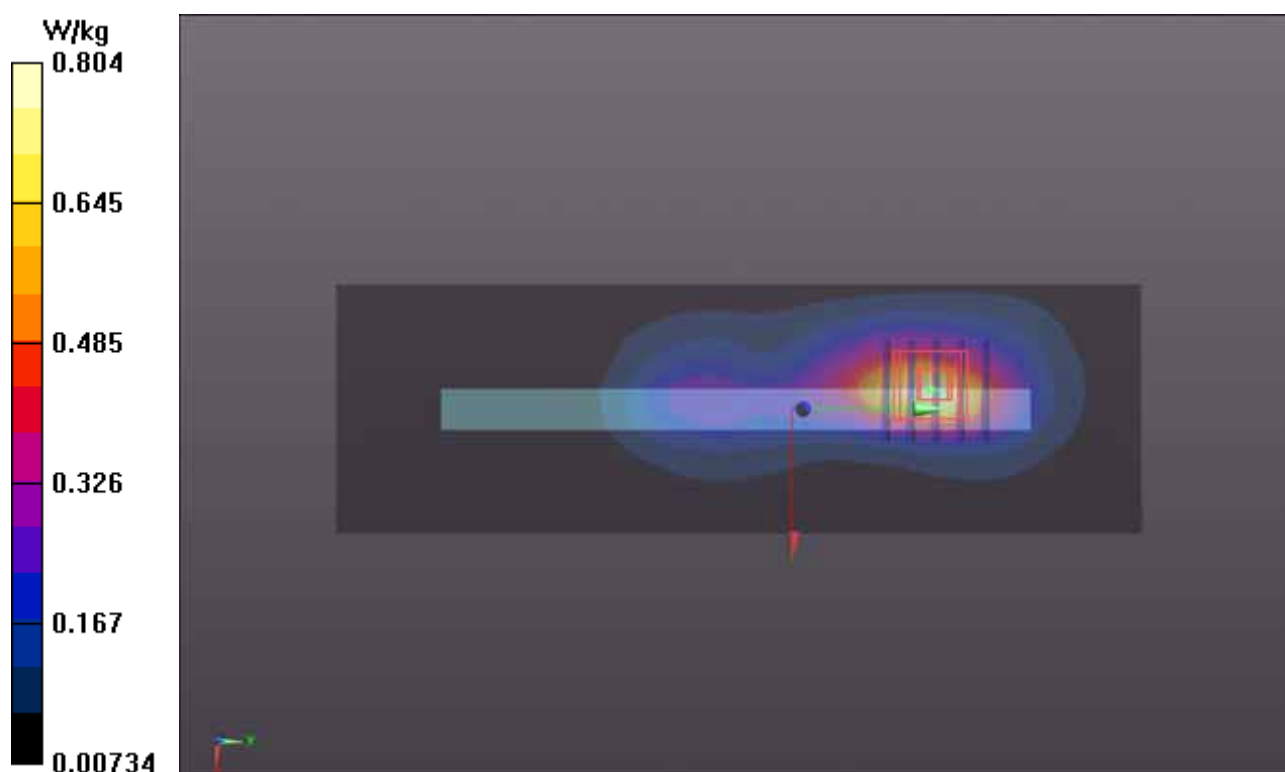
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.574 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.989 mW/g

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.373 mW/g

Maximum value of SAR (measured) = 0.823 W/kg



**P244 LTE IV_16QAM_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_1
RB_Offset 0****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x131x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.916 W/kg

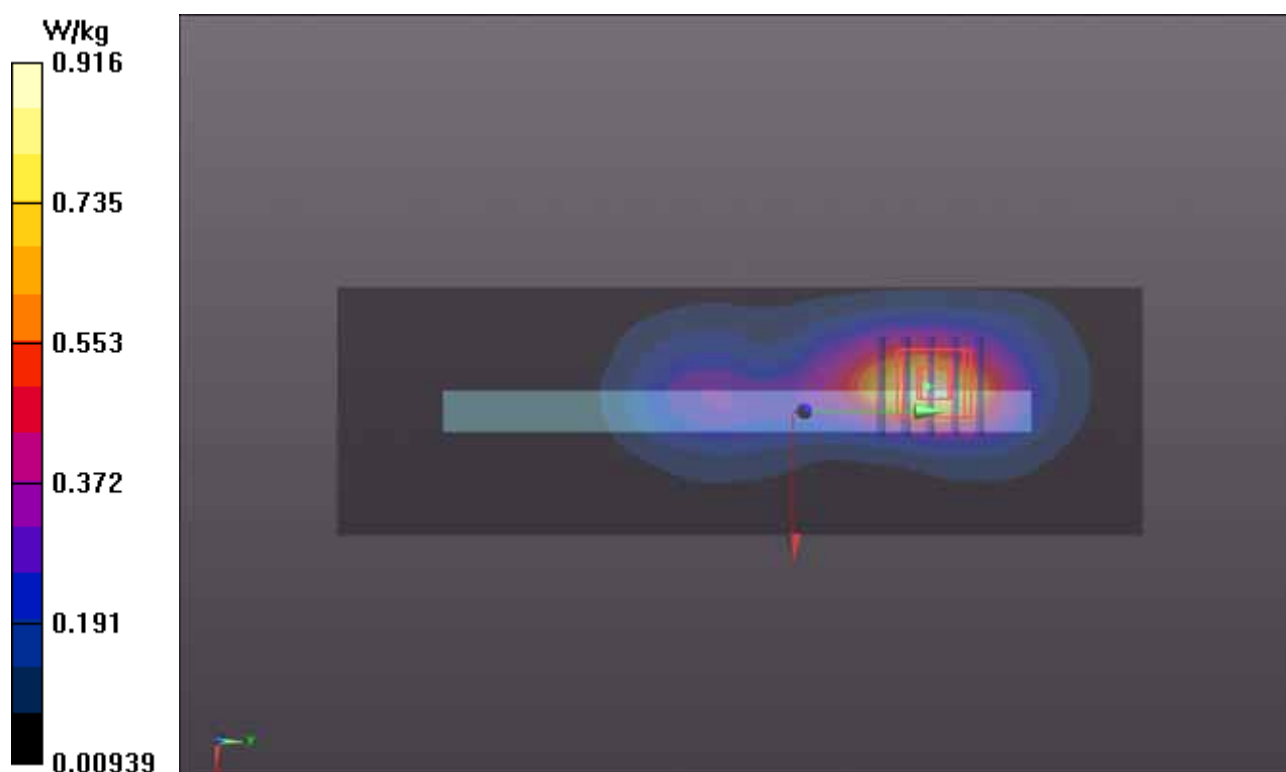
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.910 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.169 mW/g

SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.447 mW/g

Maximum value of SAR (measured) = 0.975 W/kg



**P245 LTE IV_16QAM_10M_Primary Portrait_0.9cm_Ch20175_Sensor Off_1
RB_Offset 49****DUT: 120823C20**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750_0903 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 53.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20175/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.909 W/kg

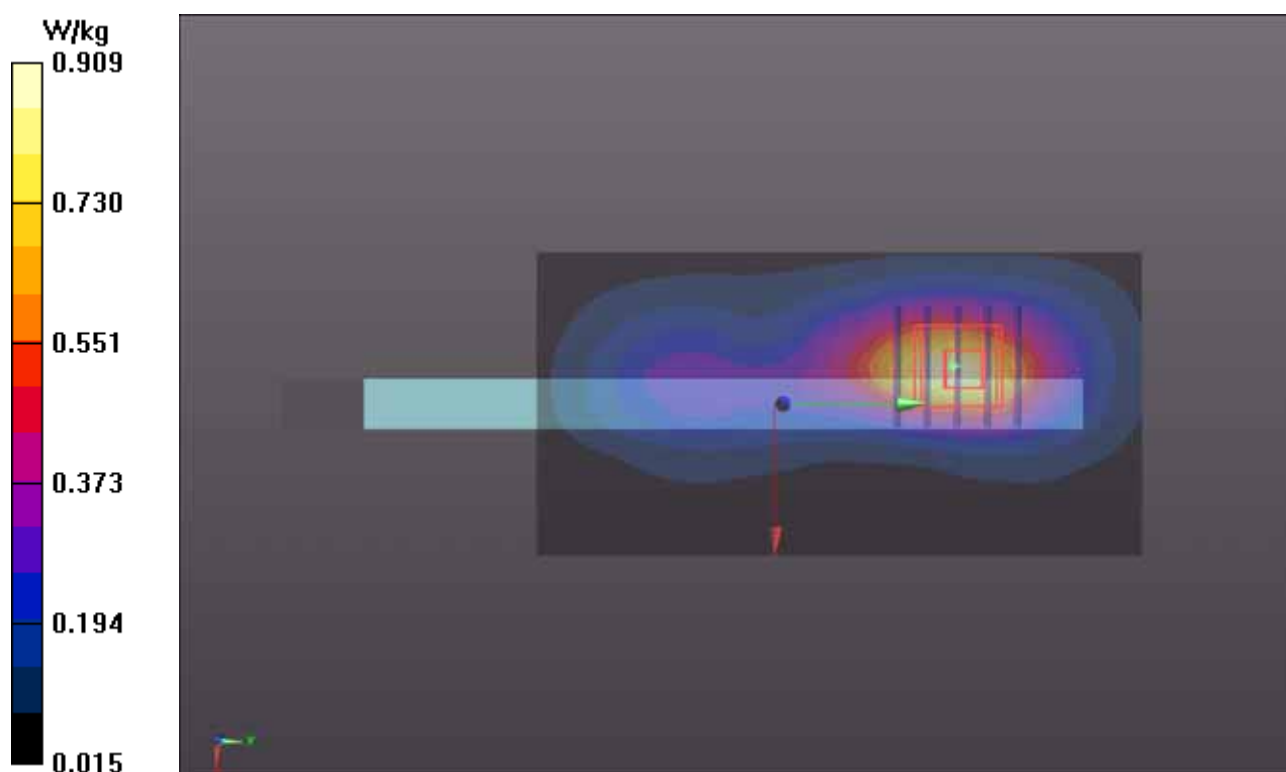
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.295 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.163 mW/g

SAR(1 g) = 0.755 mW/g; SAR(10 g) = 0.445 mW/g

Maximum value of SAR (measured) = 0.971 W/kg



P101 802.11b_Rear Face_0cm_Ch1_Ant 0**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.872 W/kg

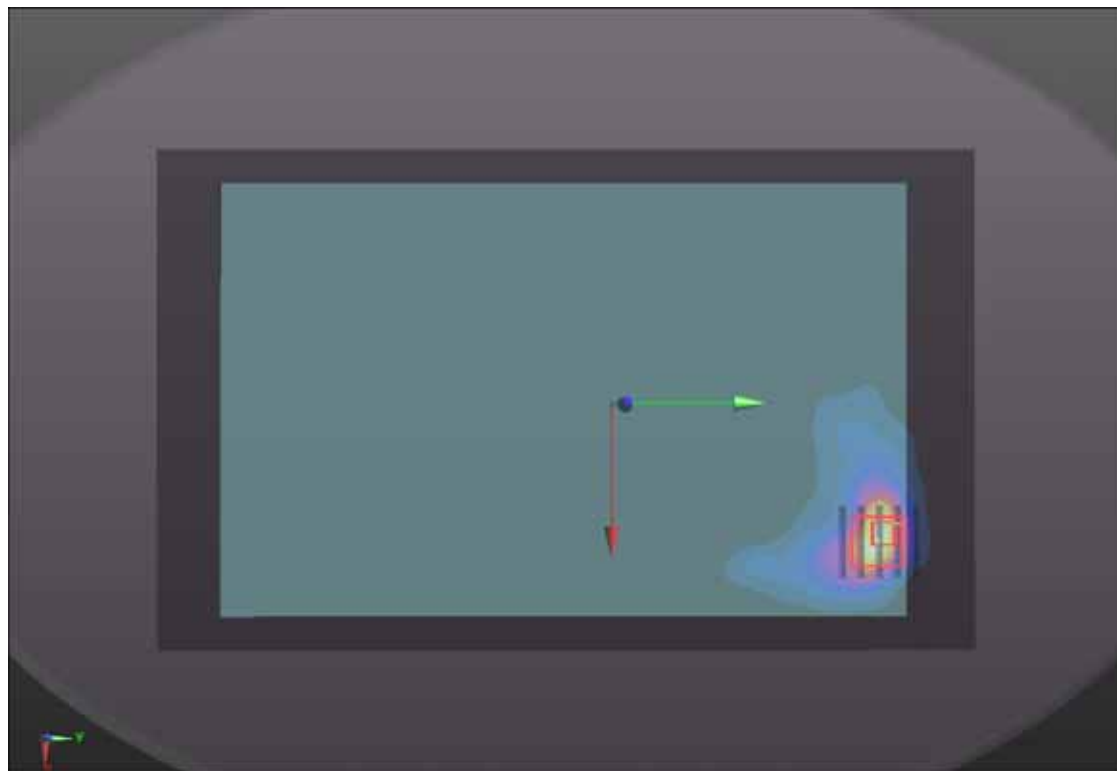
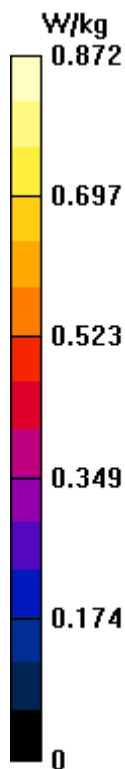
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

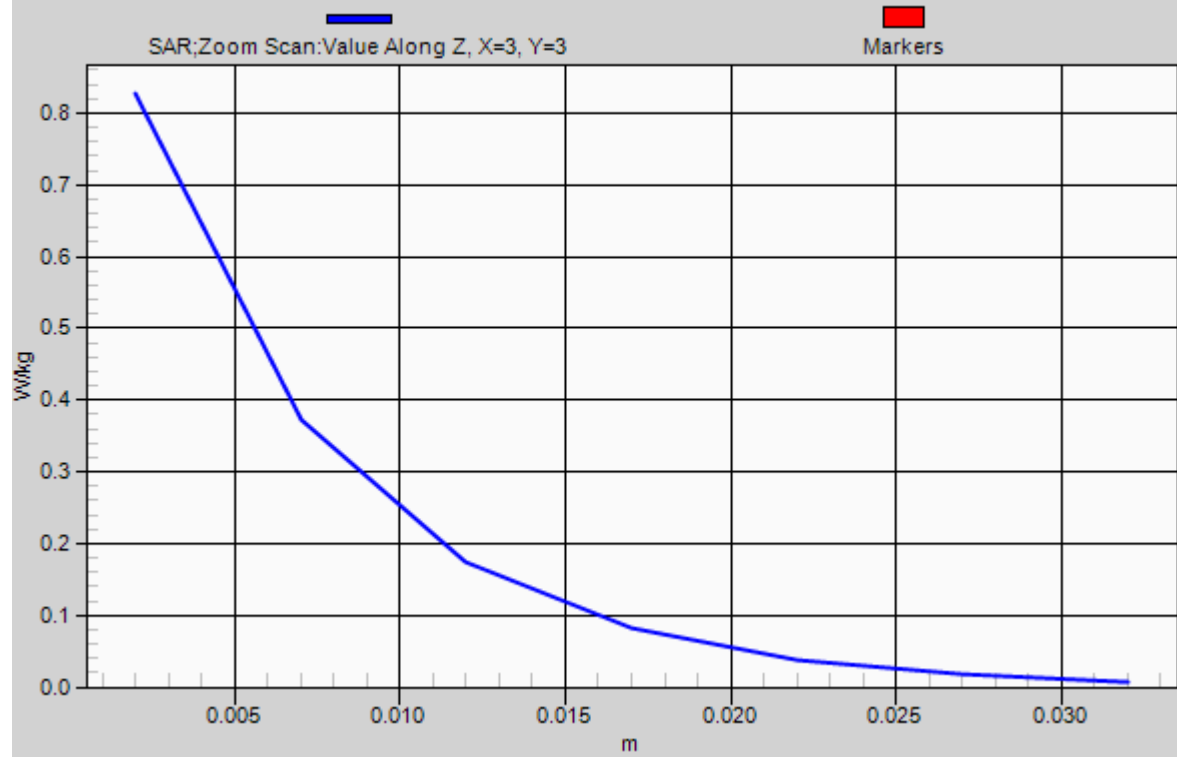
Peak SAR (extrapolated) = 1.381 mW/g

SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 0.827 W/kg



1g/10g Averaged SAR



P102 802.11b_Primary Portrait_0cm_Ch1_Ant 0**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (61x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.631 W/kg

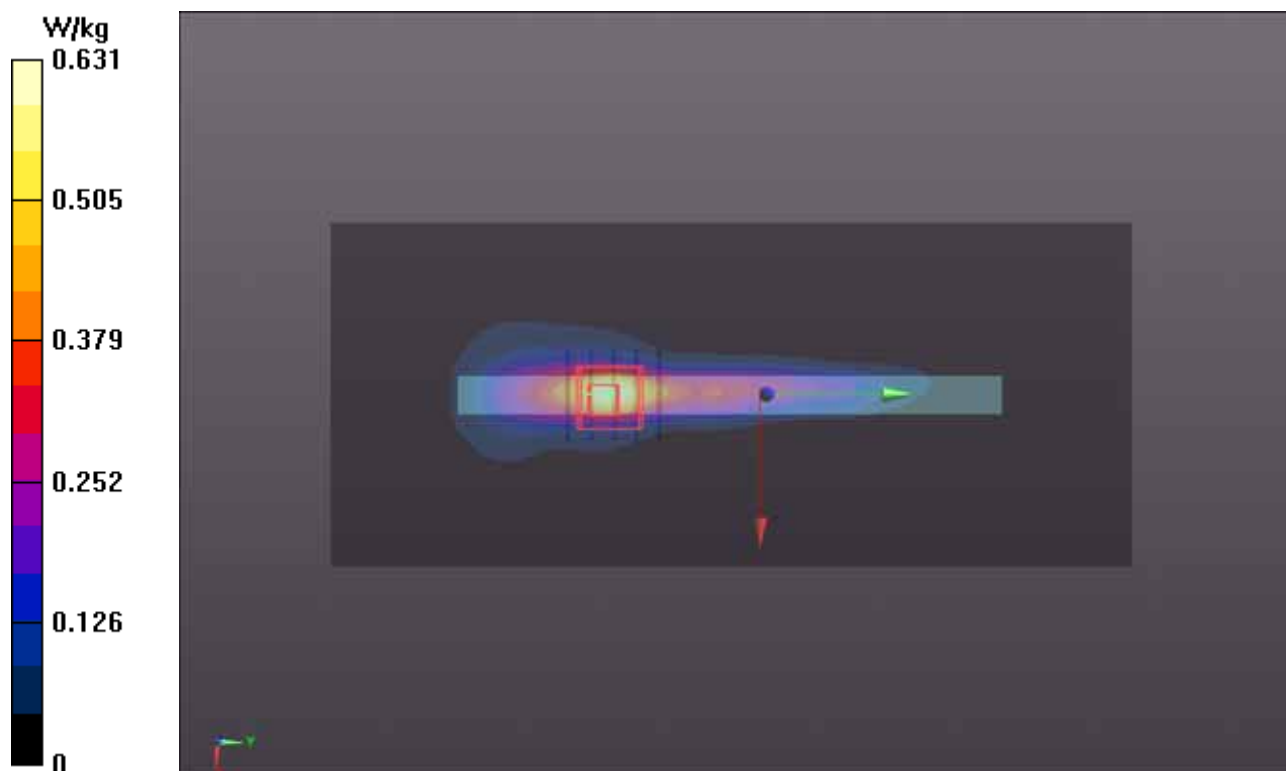
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.474 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.987 mW/g

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.691 W/kg



P103 802.11b_Secundary Landscape_0cm_Ch1_Ant 0**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (41x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.318 W/kg

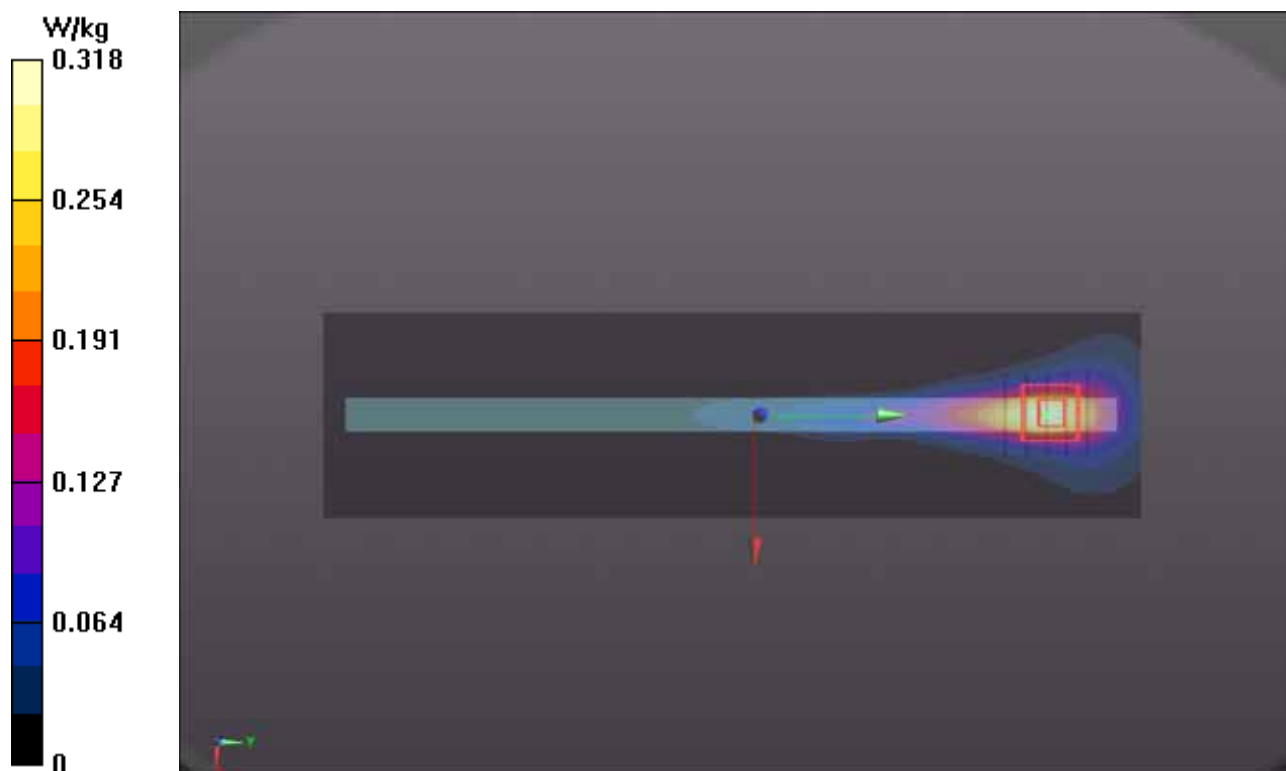
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.384 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.411 mW/g

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.299 W/kg



P104 802.11b_Rear Face_0cm_Ch1_Ant 1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.679 W/kg

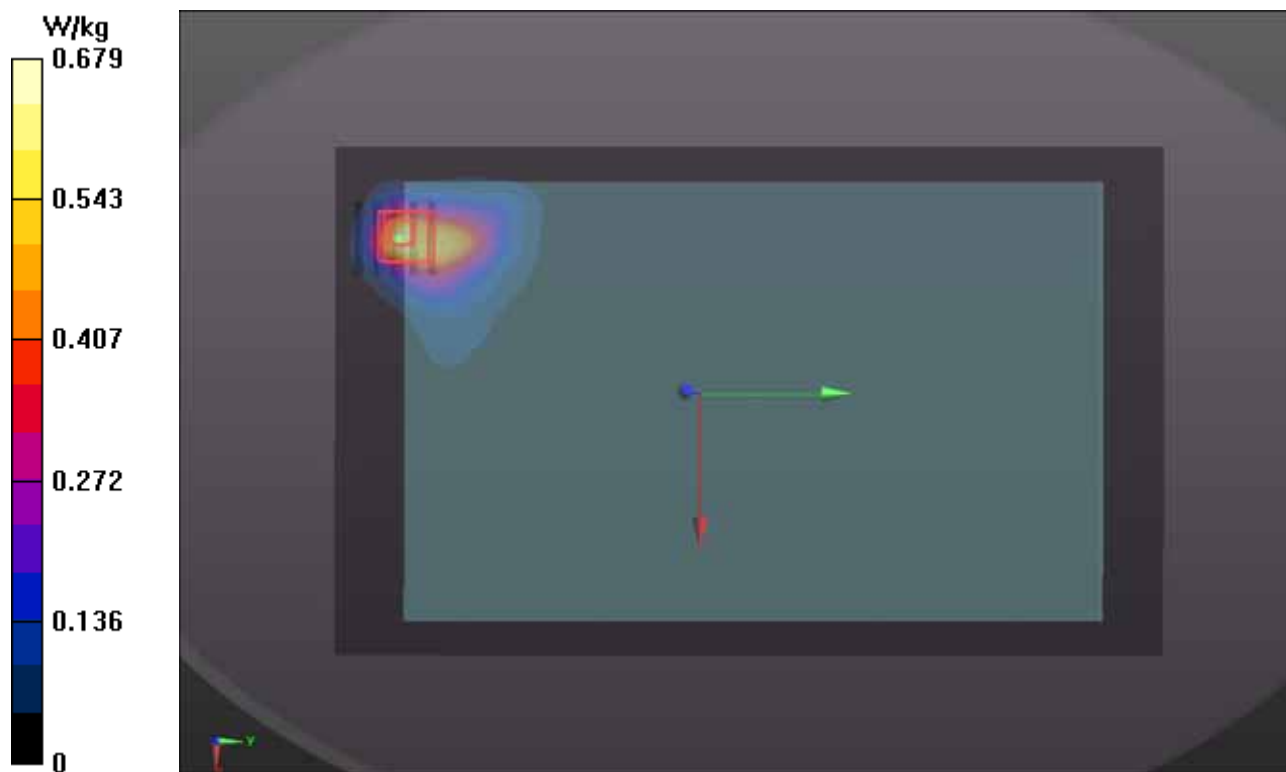
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.154 mW/g

SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.748 W/kg



P105 802.11b_Secondary Portrait_0cm_Ch1_Ant 1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (41x121x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.513 W/kg

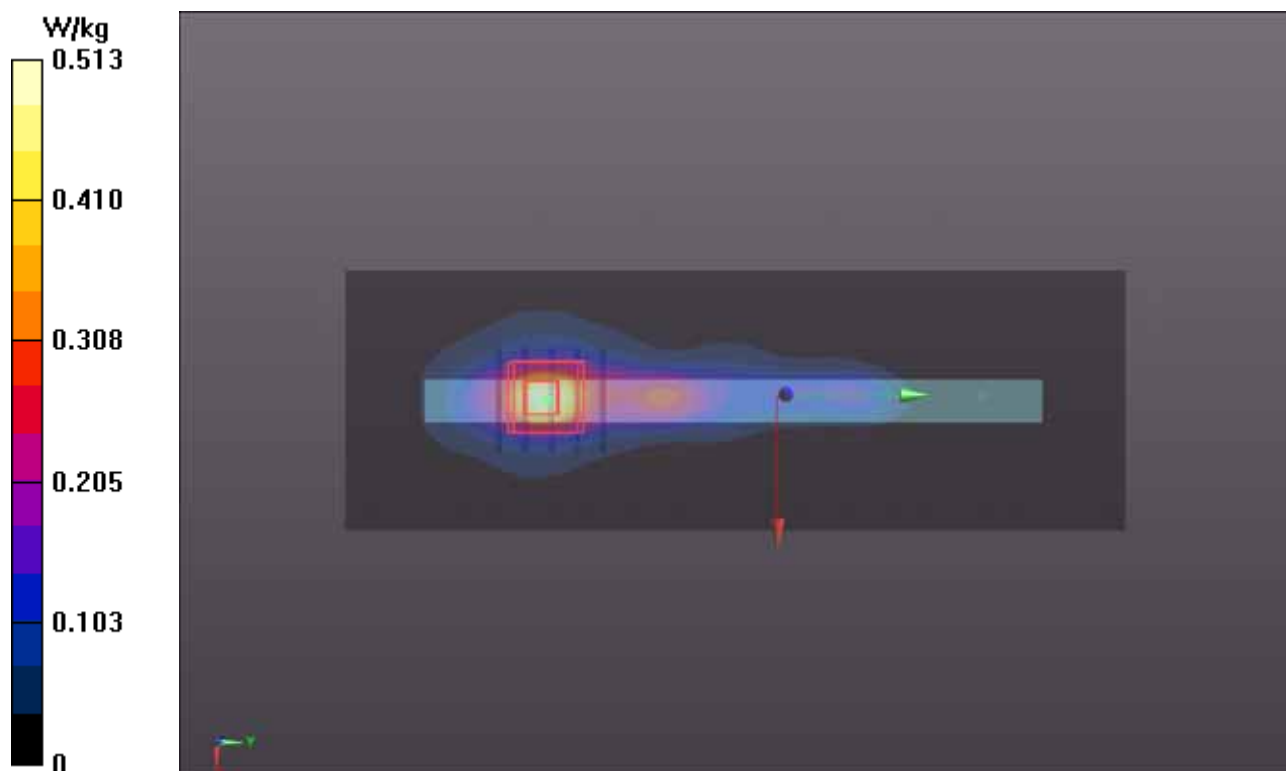
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.304 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.701 mW/g

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.510 W/kg



P106 802.11b_Primary Landscape_0cm_Ch1_Ant 1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.946$ mho/m; $\epsilon_r = 52.449$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch1/Area Scan (41x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.583 W/kg

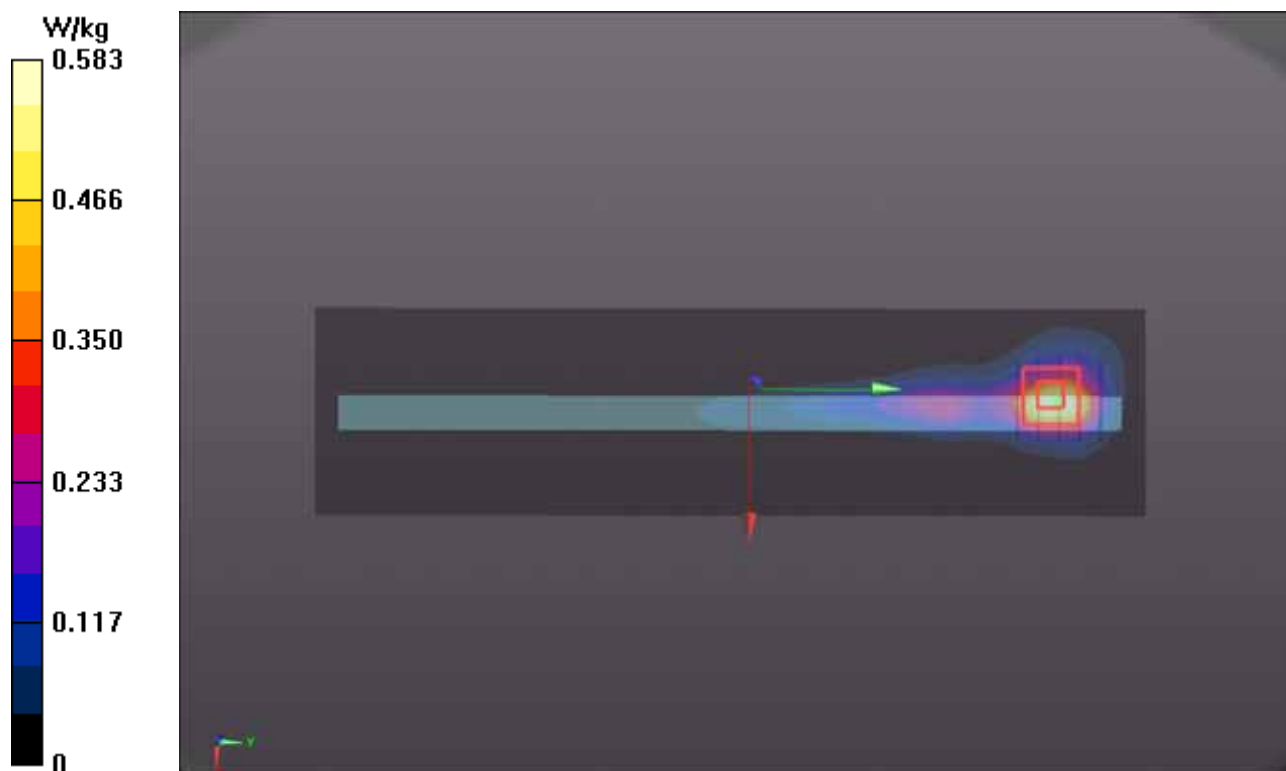
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.953 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.015 mW/g

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.707 W/kg



P107 802.11n_HT20_Rear Face_0cm_Ch6_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (111x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.393 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.343 W/kg

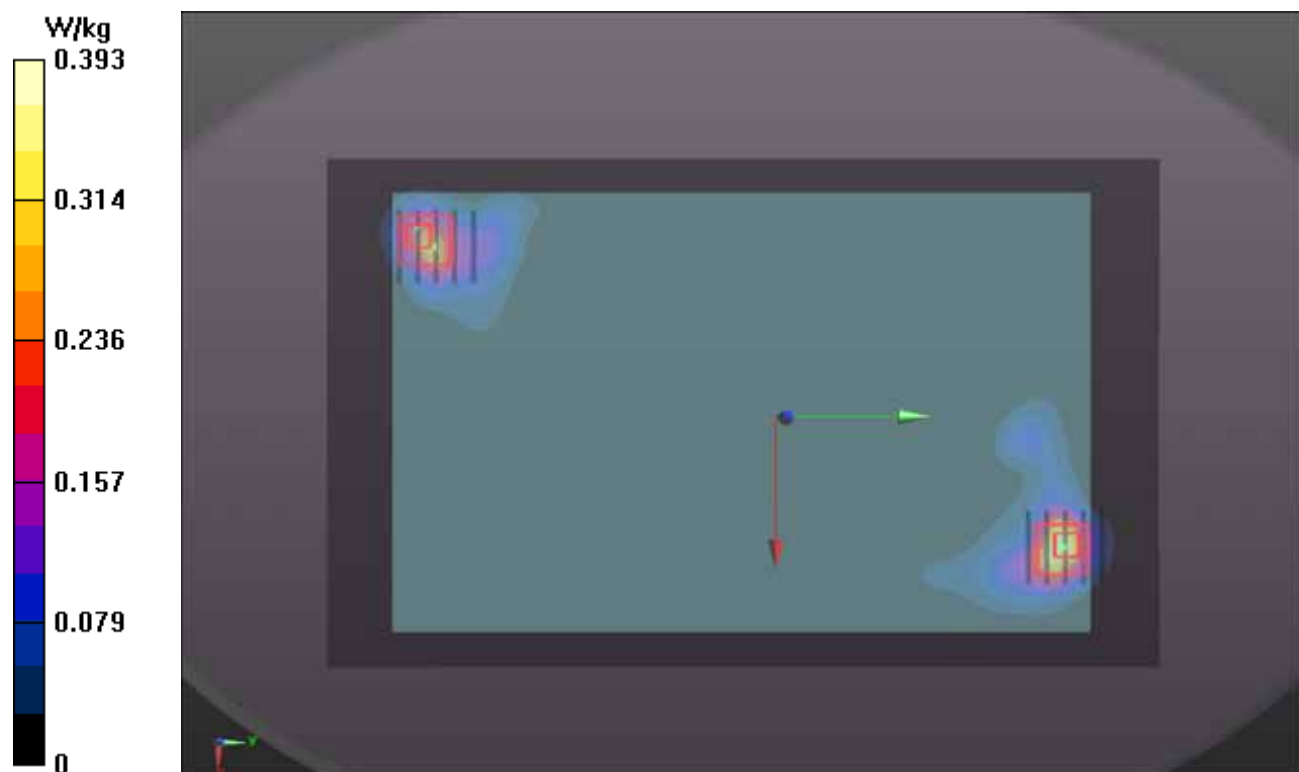
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.461 mW/g

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.307 W/kg



P108 802.11n_HT20_Secondary Portrait_0cm_Ch6_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (41x121x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.153 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.033 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.180 mW/g

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.149 W/kg

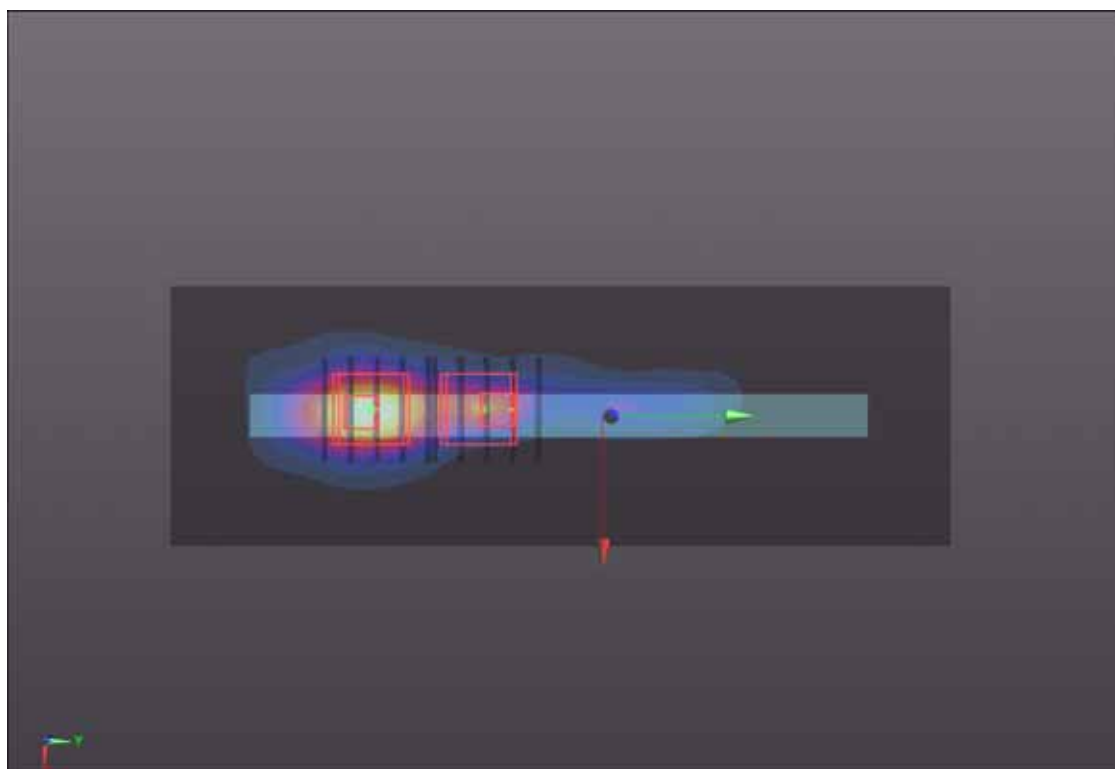
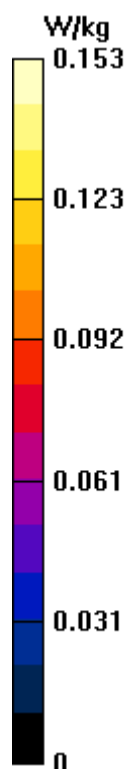
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.033 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.176 mW/g

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.125 W/kg



P109 802.11n_HT20_Primary Portrait_0cm_Ch6_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (61x141x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.231 W/kg

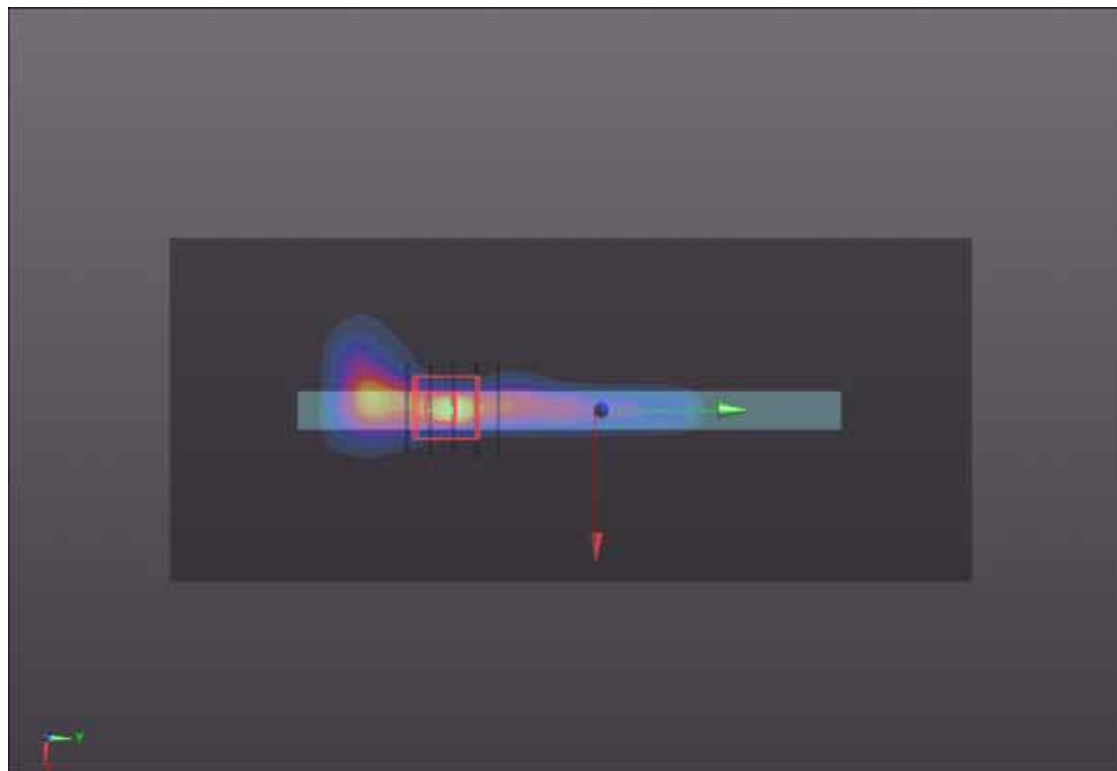
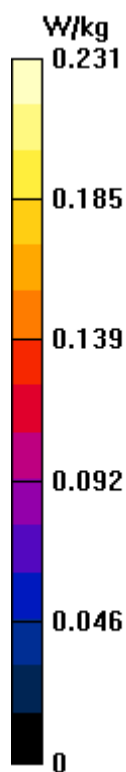
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.149 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.354 mW/g

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.258 W/kg



P110 802.11n_HT20_Secondary Landscape_0cm_Ch6_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (41x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0884 W/kg

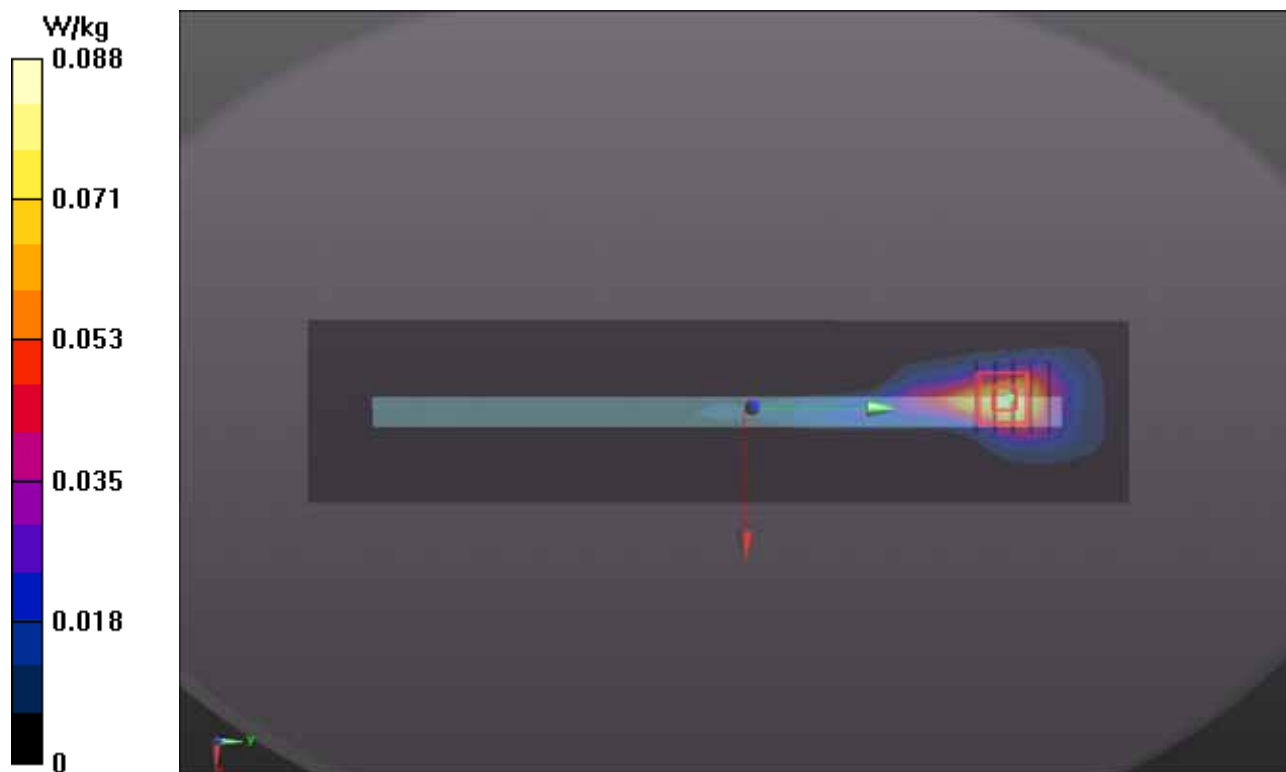
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.332 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.133 mW/g

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.0971 W/kg



P111 802.11n_HT20_Primary Landscape_0cm_Ch6_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0920 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 52.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (41x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.190 W/kg

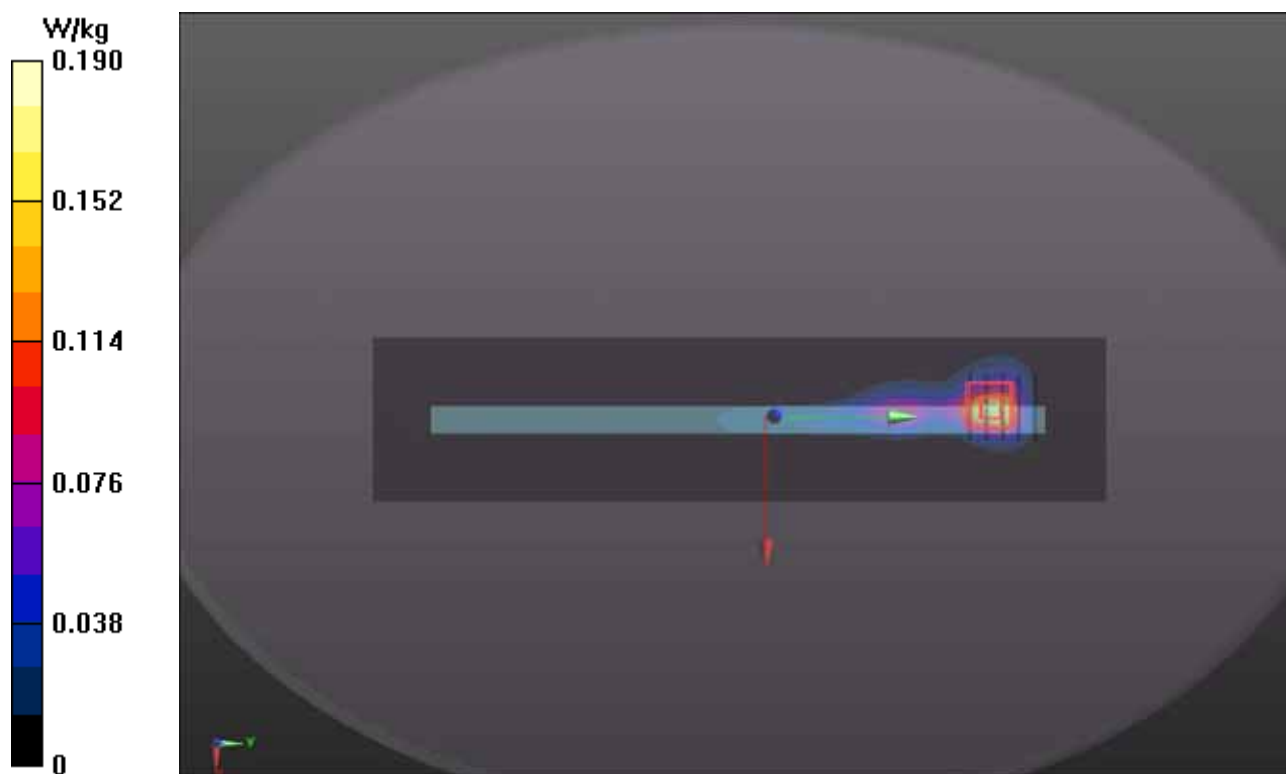
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.462 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.246 mW/g

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.195 W/kg



P112 802.11n_HT20_Rear Face_0cm_Ch40_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.185$ mho/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.116 W/kg

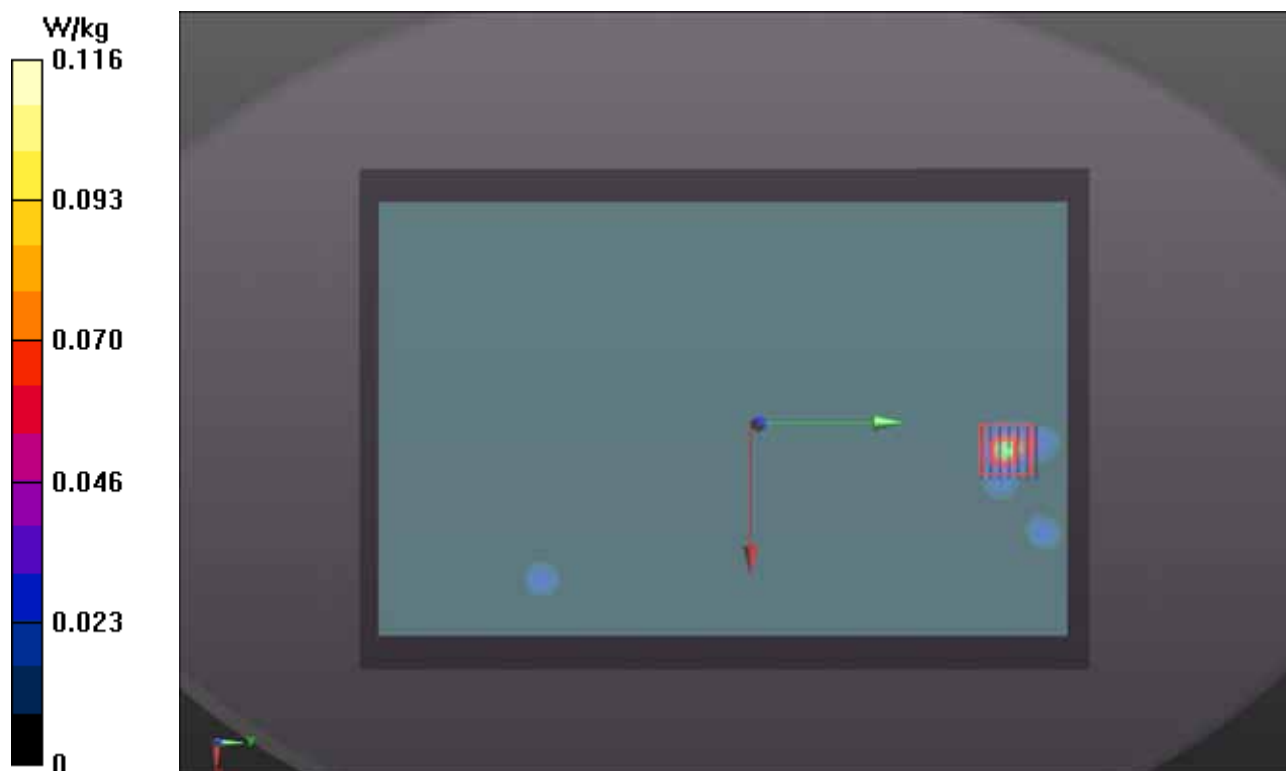
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.434 mW/g

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.00643 mW/g

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



P113 802.11n_HT20_Primary Portrait_0cm_Ch40_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0918 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.244$ mho/m; $\epsilon_r = 49.381$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.186 W/kg

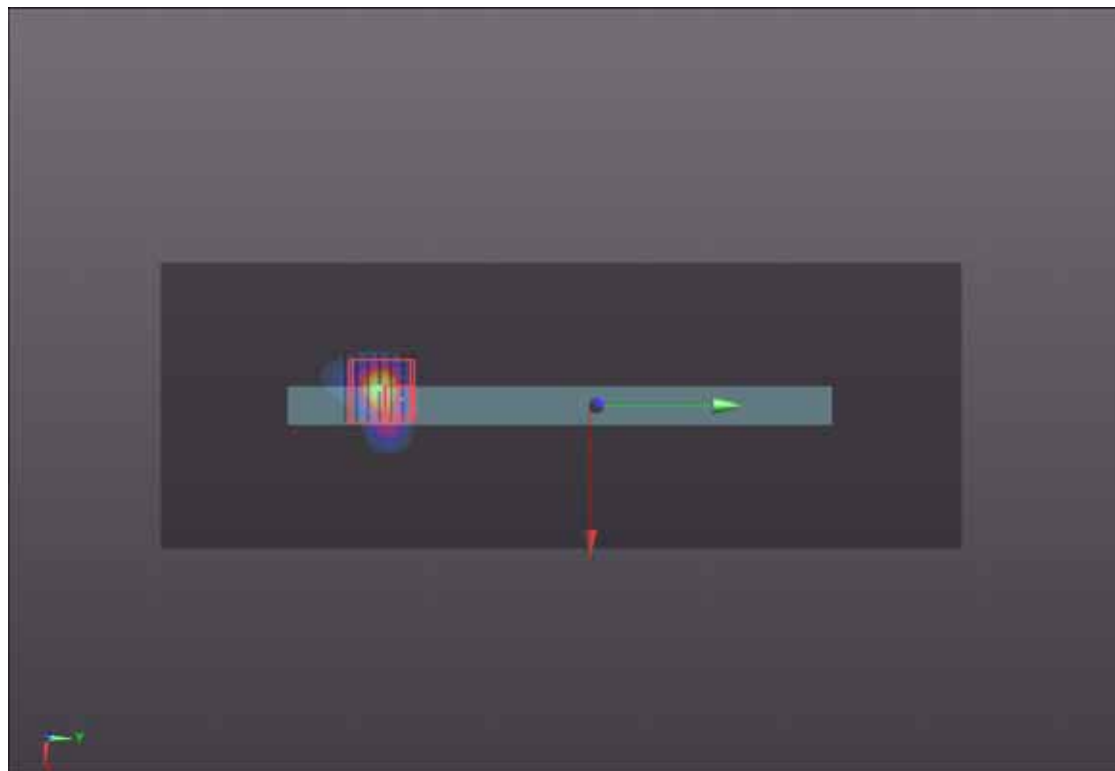
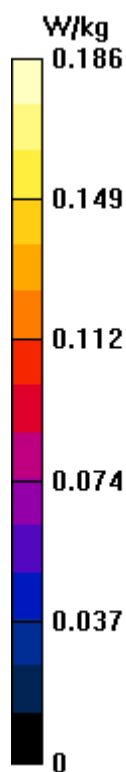
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.254 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.042 mW/g

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.322 W/kg



P114 802.11n_HT20_Secondary Landscape_0cm_Ch40_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0918 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.244$ mho/m; $\epsilon_r = 49.381$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (61x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0808 W/kg

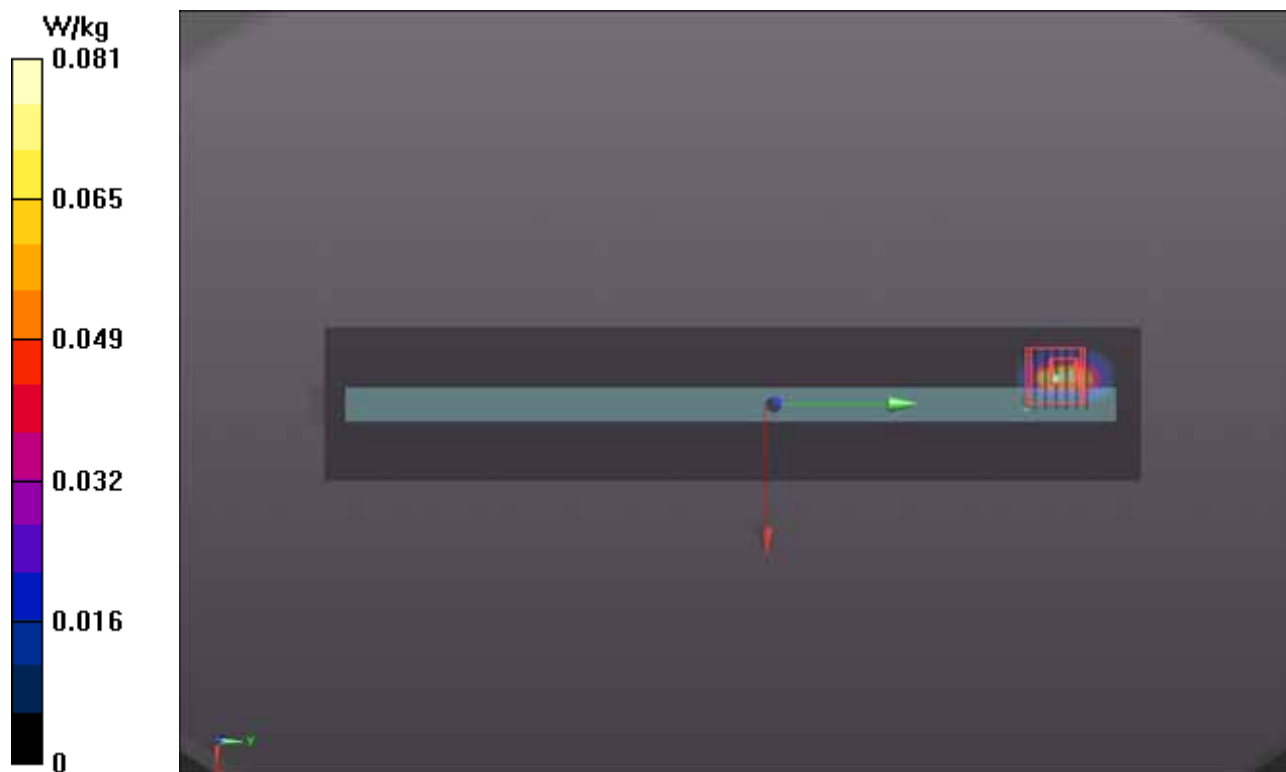
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.251 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.326 mW/g

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00537 mW/g

Maximum value of SAR (measured) = 0.128 W/kg



P115 802.11n_HT20_Rear Face_0cm_Ch60_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.342$ mho/m; $\epsilon_r = 50.805$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch60/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0678 W/kg

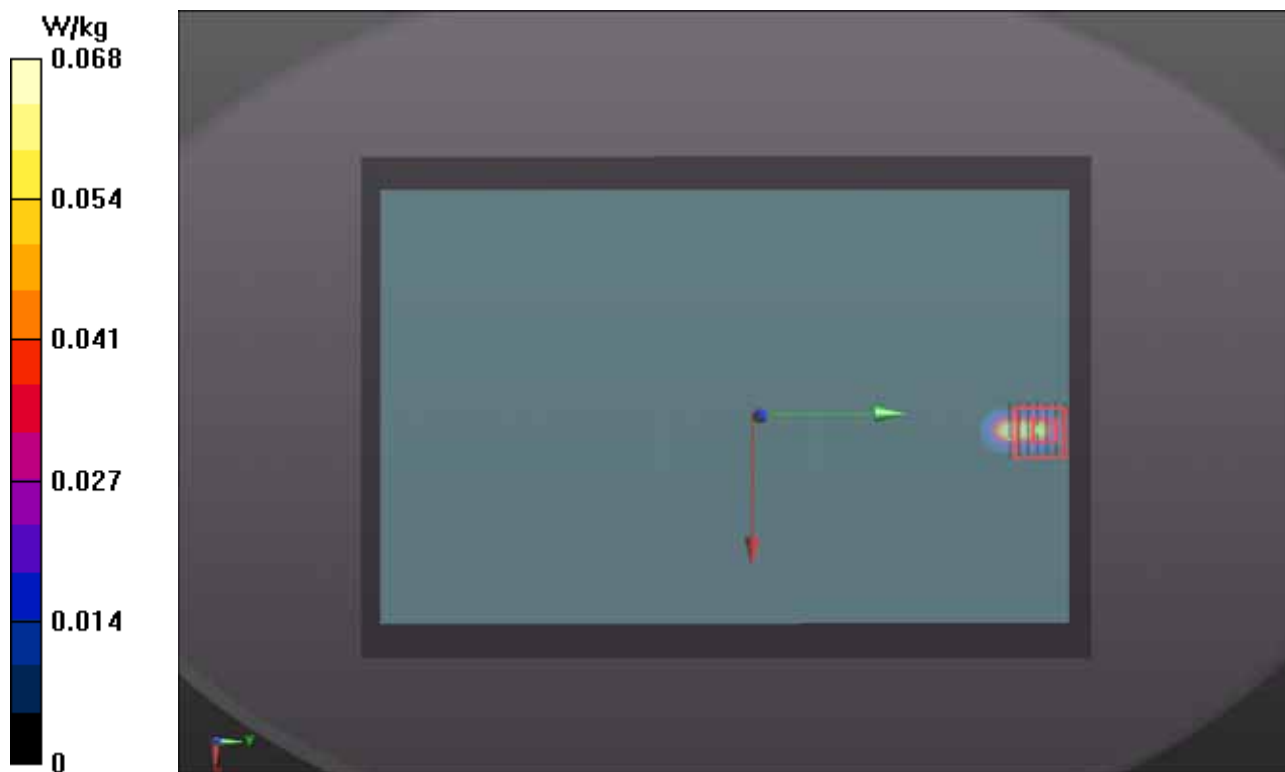
Ch60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.130 mW/g

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00201 mW/g

Maximum value of SAR (measured) = 0.0998 W/kg



P116 802.11n_HT20_Primary Portrait_0cm_Ch60_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: B5G_0918 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.382$ mho/m; $\epsilon_r = 49.216$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch60/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

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

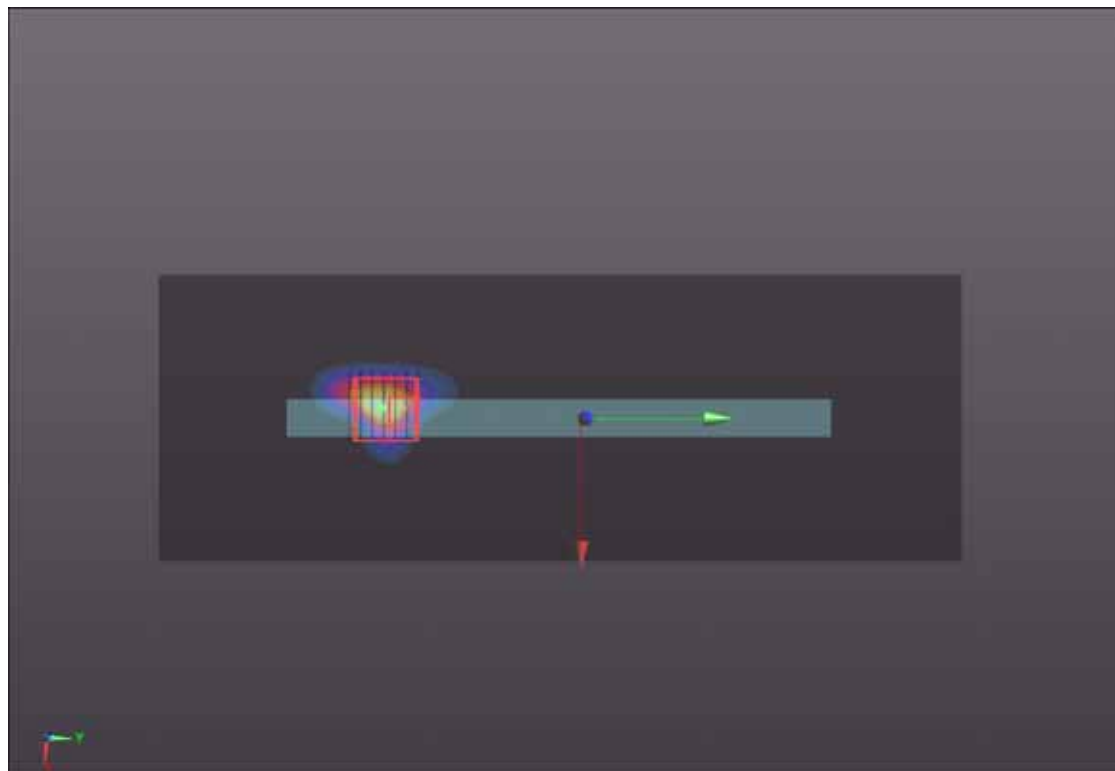
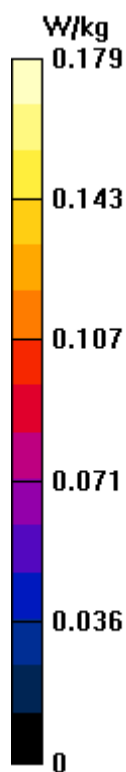
Ch60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.835 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.000 mW/g

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.363 W/kg



P117 802.11n_HT20_Secondary Landscape_0cm_Ch60_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: B5G_0918 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.382$ mho/m; $\epsilon_r = 49.216$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch60/Area Scan (61x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0631 W/kg

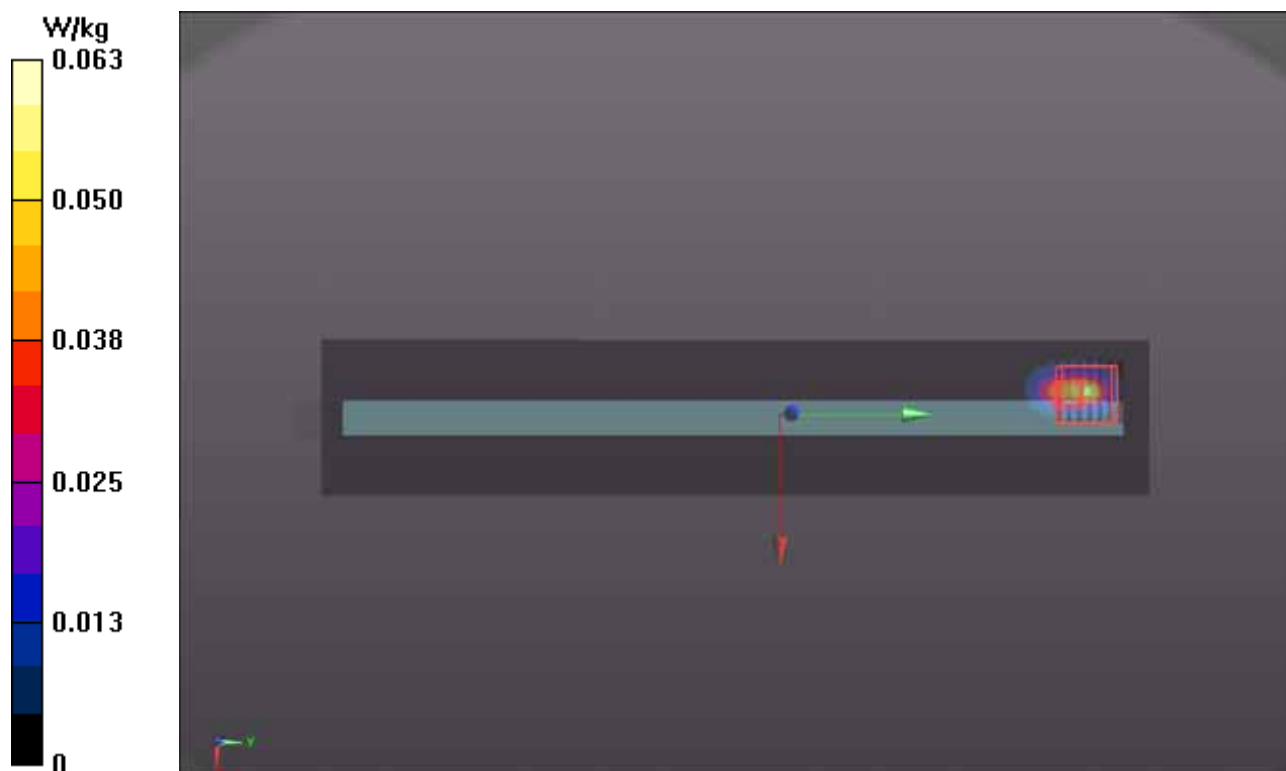
Ch60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.240 mW/g

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.0032 mW/g

Maximum value of SAR (measured) = 0.0923 W/kg



P119 802.11a_Rear Face_0cm_Ch136_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 50.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch136/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.309 W/kg

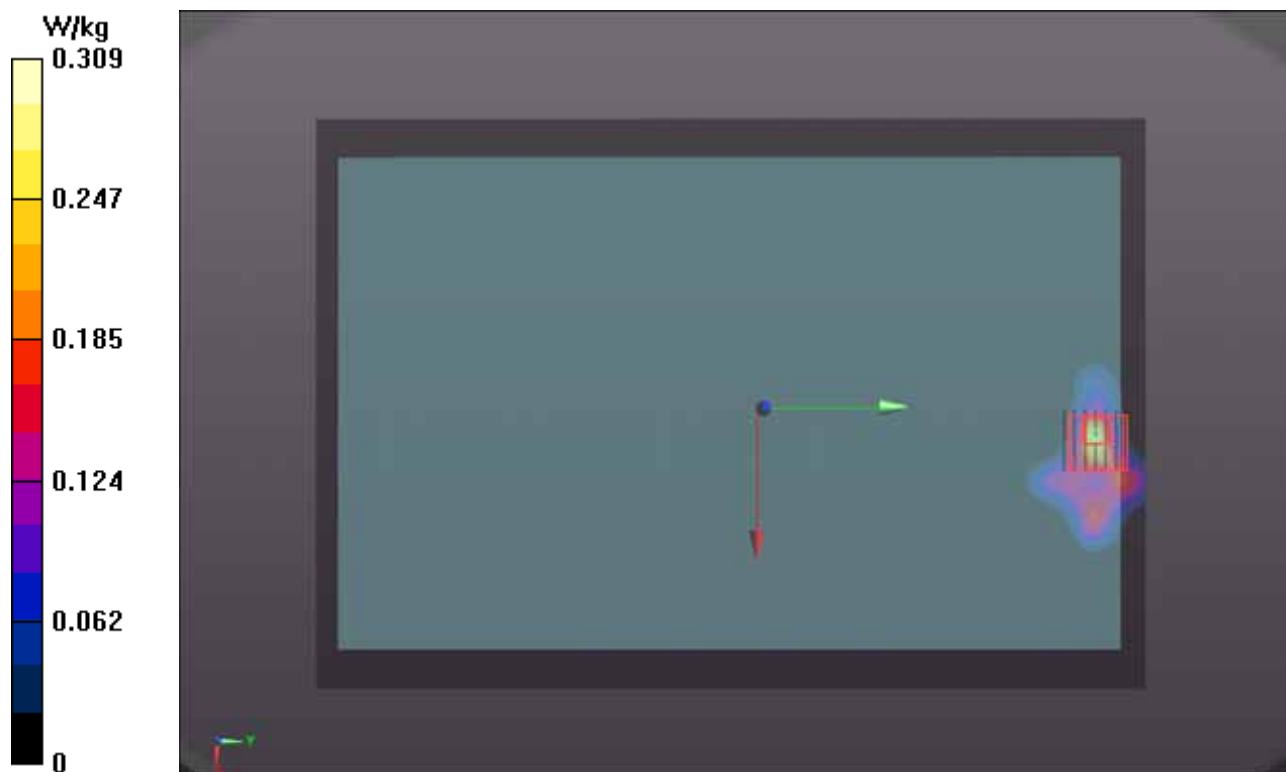
Ch136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.982 mW/g

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.288 W/kg



P120 802.11a_Primary Portrait_0cm_Ch136_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 50.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch136/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.813 W/kg

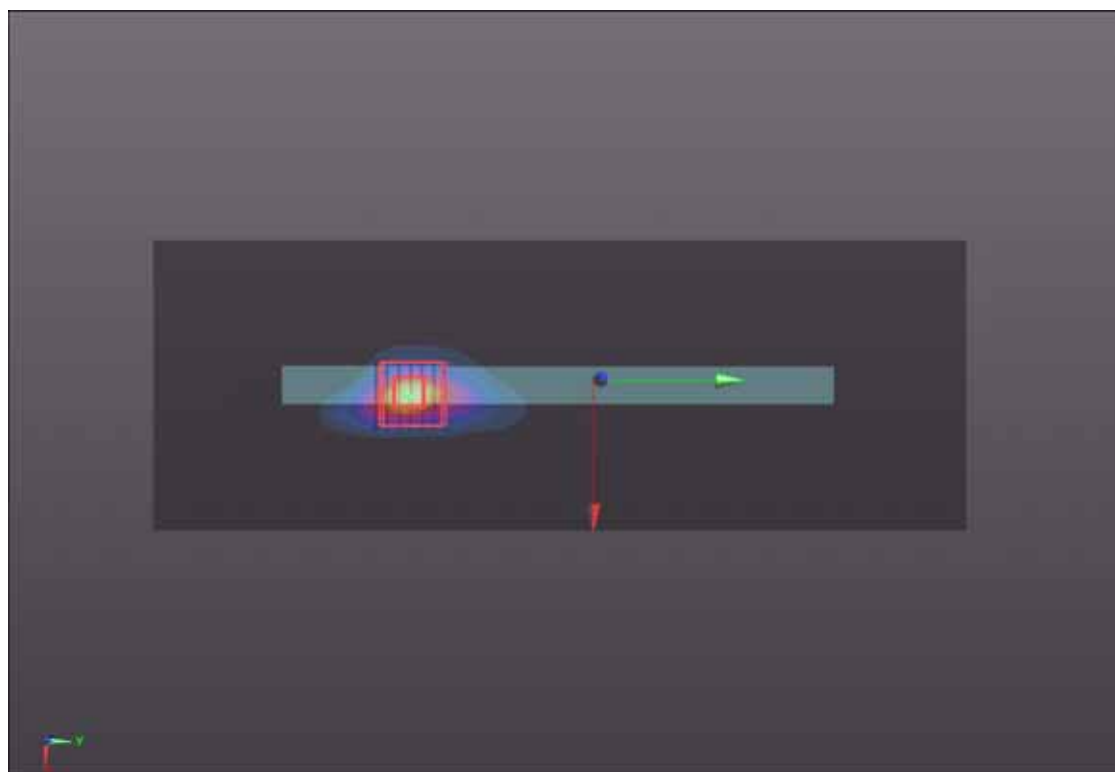
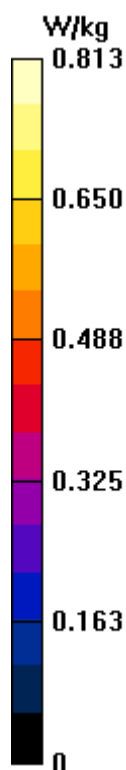
Ch136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.861 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.276 mW/g

SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.206 mW/g

Maximum value of SAR (measured) = 1.68 W/kg



P121 802.11a_Secondary Landscape_0cm_Ch136_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 50.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch136/Area Scan (61x321x1): Measurement grid: dx=10mm, dy=10mm

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

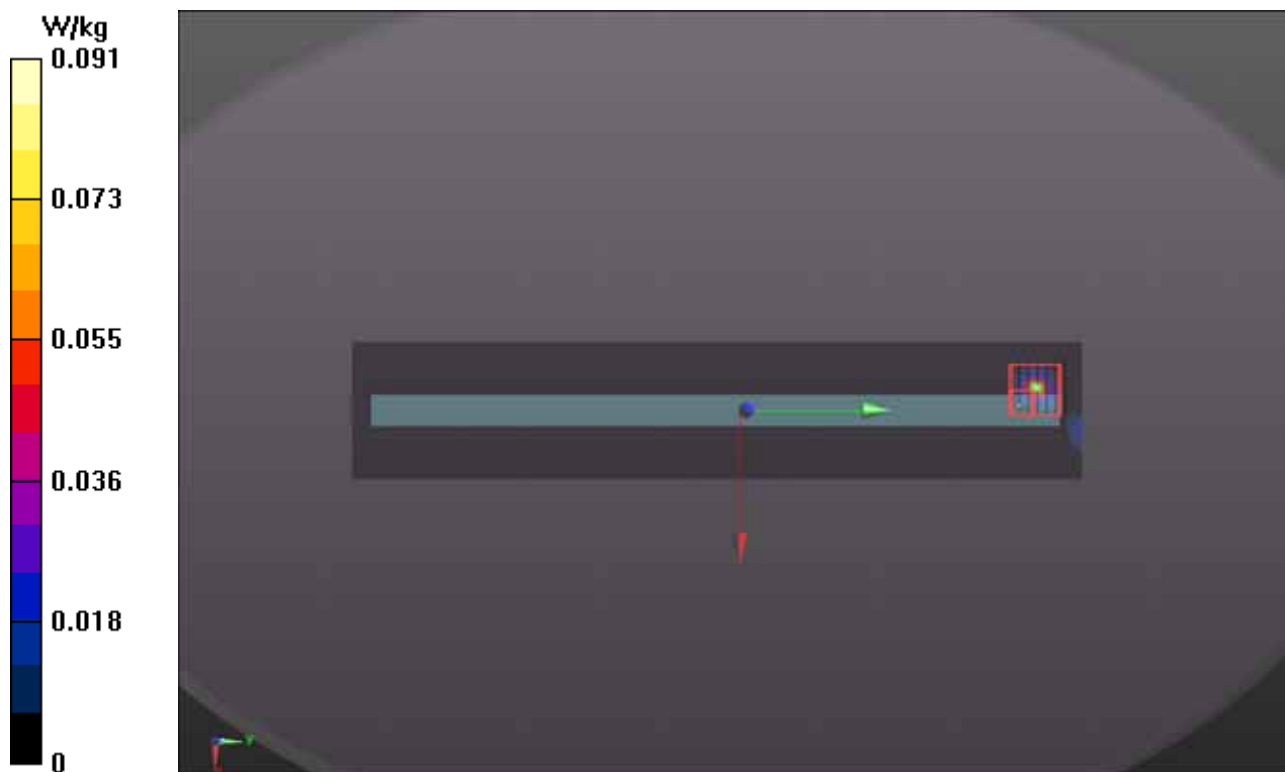
Ch136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.356 mW/g

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.212 W/kg



P122 802.11a_Rear Face_0cm_Ch149_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0915 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.026$ mho/m; $\epsilon_r = 48.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (21x341x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.504 W/kg

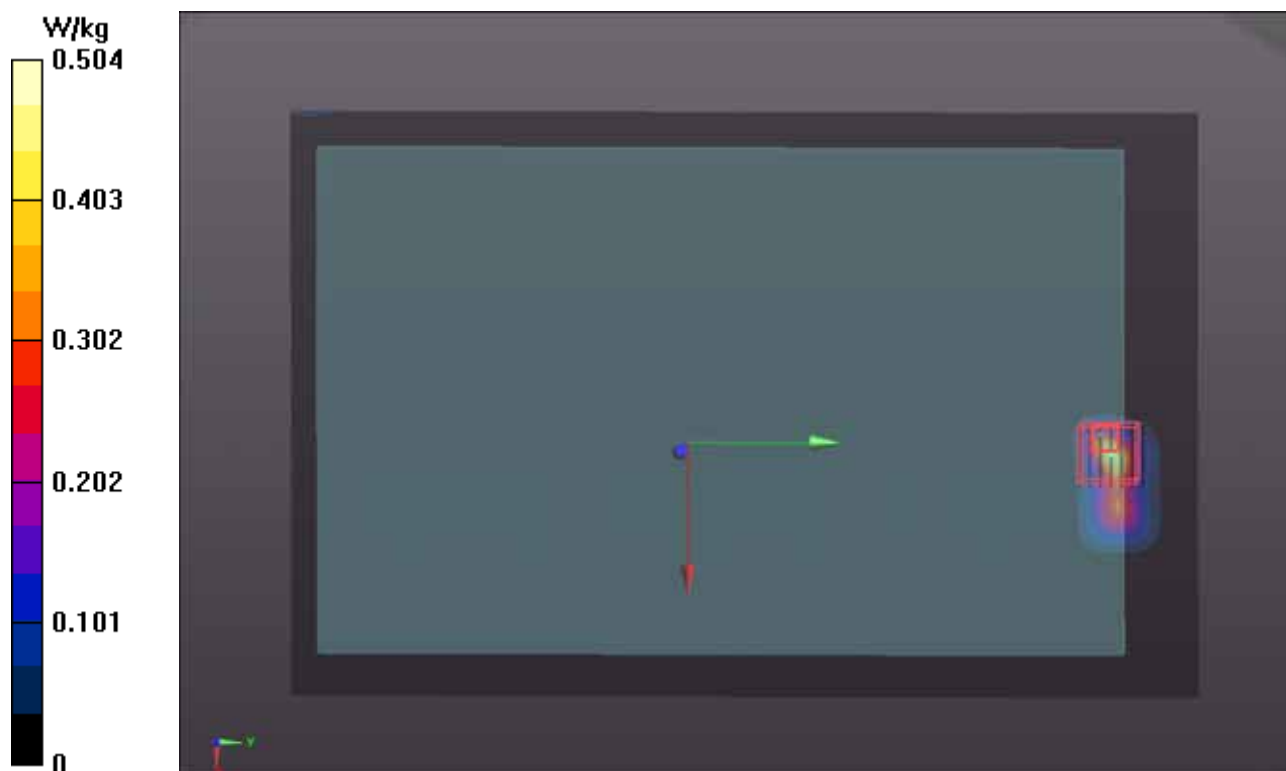
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.596 mW/g

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.264 W/kg



P123 802.11a_Primary Portrait_0cm_Ch149_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0915 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.026$ mho/m; $\epsilon_r = 48.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (61x221x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.733 W/kg

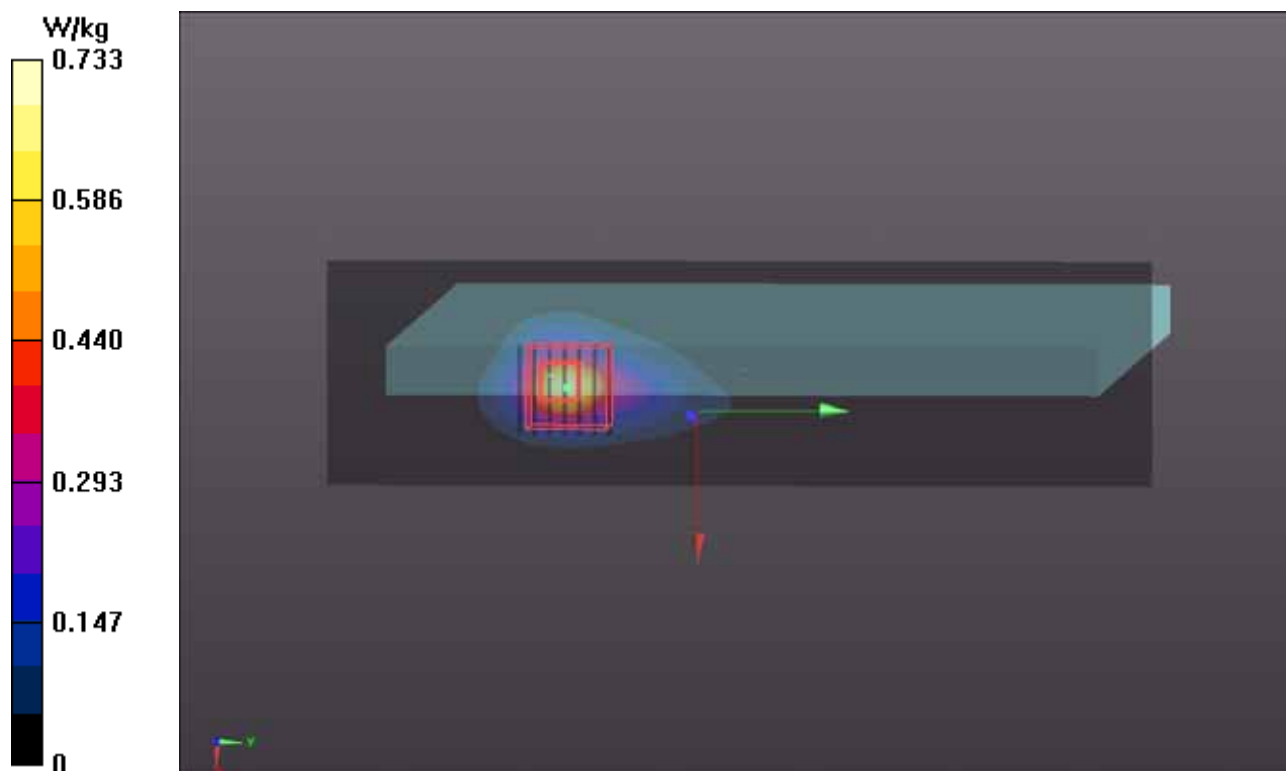
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.154 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.853 mW/g

SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 1.34 W/kg



P124 802.11a_Secondary Landscape_0cm_Ch149_Ant 0**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0915 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.026$ mho/m; $\epsilon_r = 48.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (81x241x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.238 W/kg

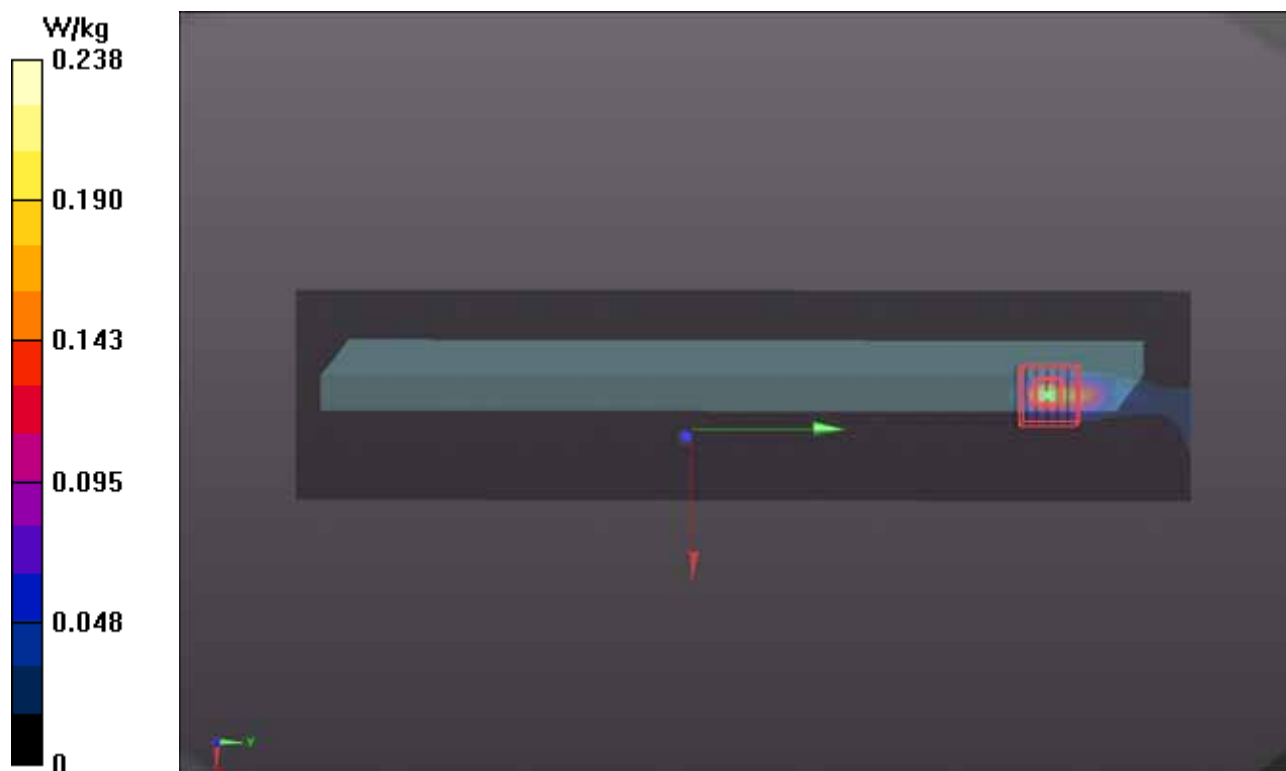
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.432 mW/g

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.236 W/kg



P147 802.11n_HT20_Rear Face_0cm_Ch40_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.185$ mho/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.23 W/kg

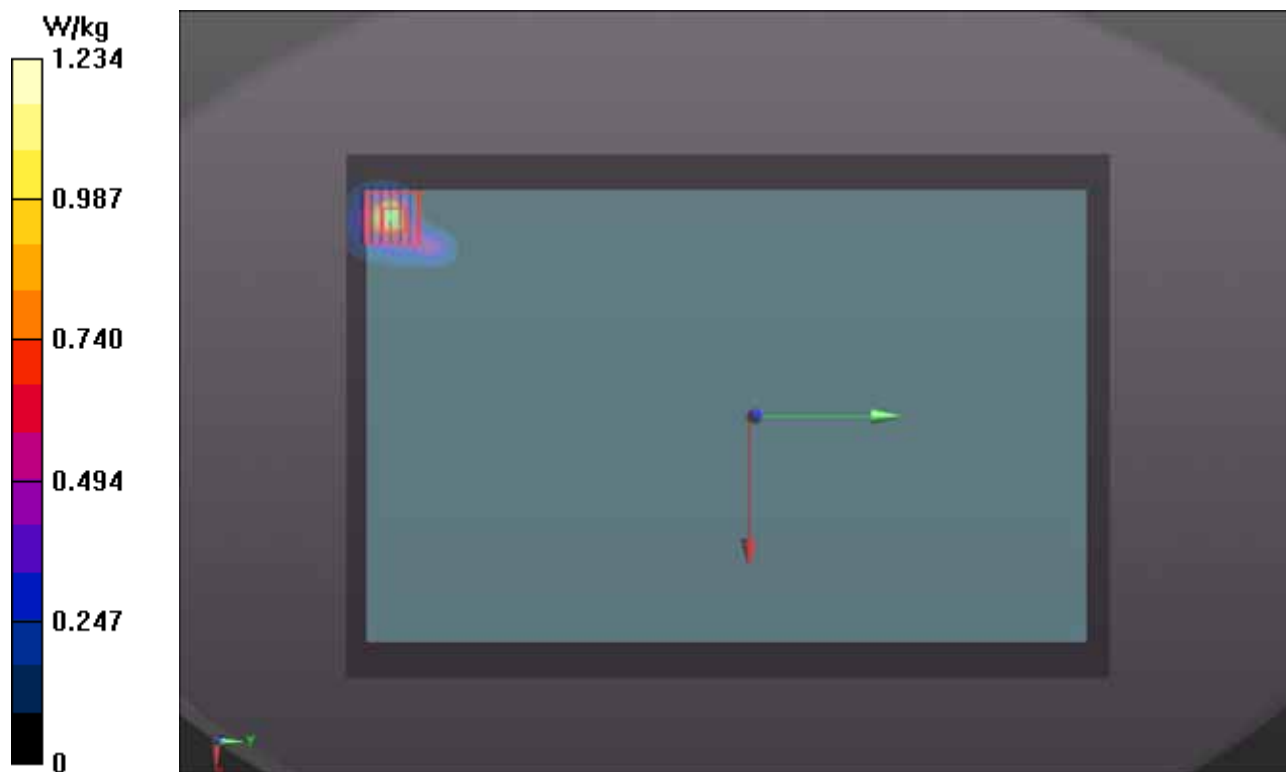
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.330 mW/g

SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 1.65 W/kg



P148 802.11n_HT20_Secondary Portrait_0cm_Ch40_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.185$ mho/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.782 W/kg

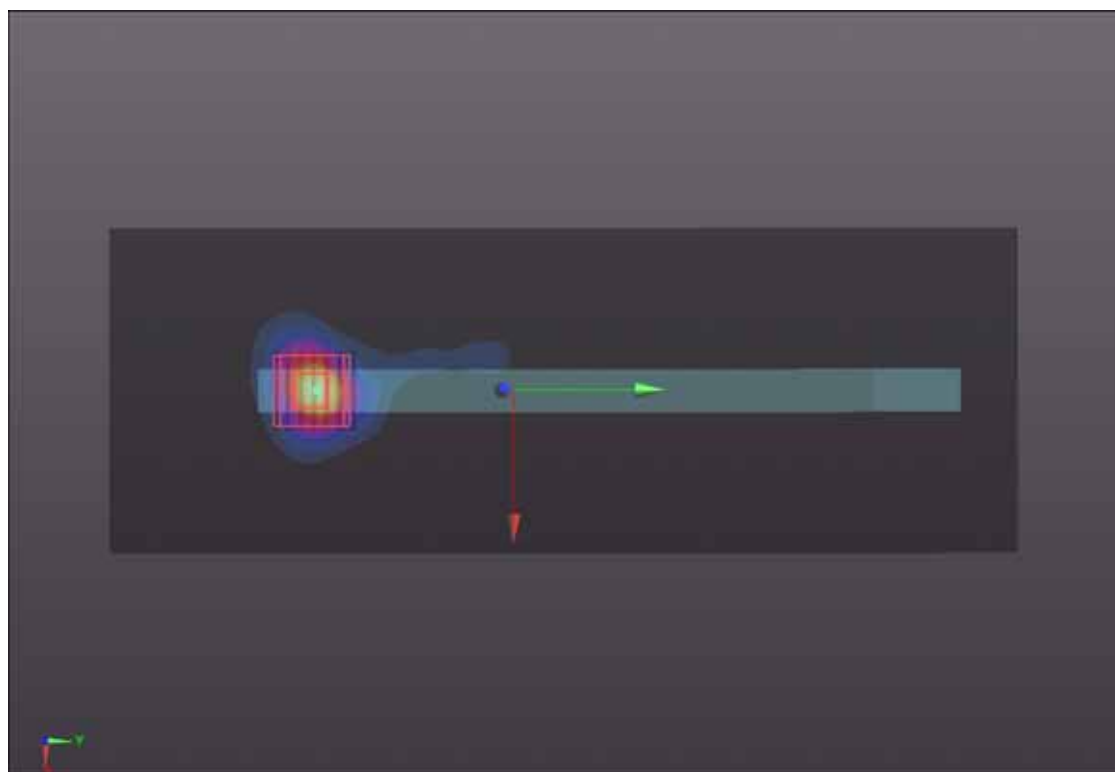
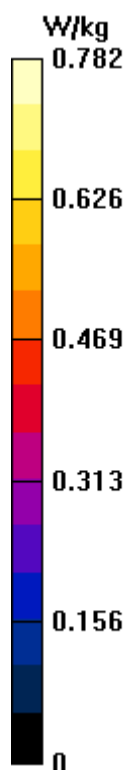
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.478 mW/g

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.798 W/kg



P149 802.11n_HT20_Primary Landscape_0cm_Ch40_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.185$ mho/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch40/Area Scan (101x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.338 W/kg

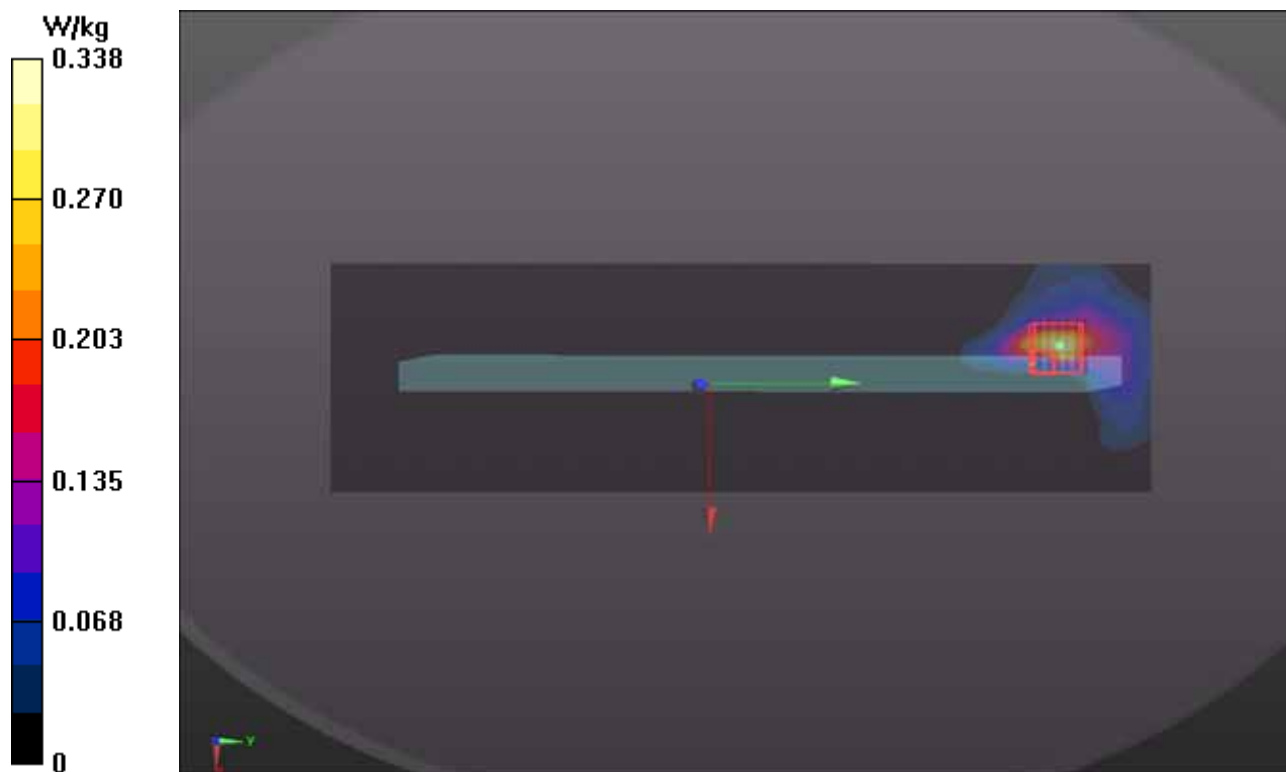
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.975 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.526 W/kg



P150 802.11a_Rear Face_0cm_Ch64_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.431$ mho/m; $\epsilon_r = 48.777$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.521 W/kg

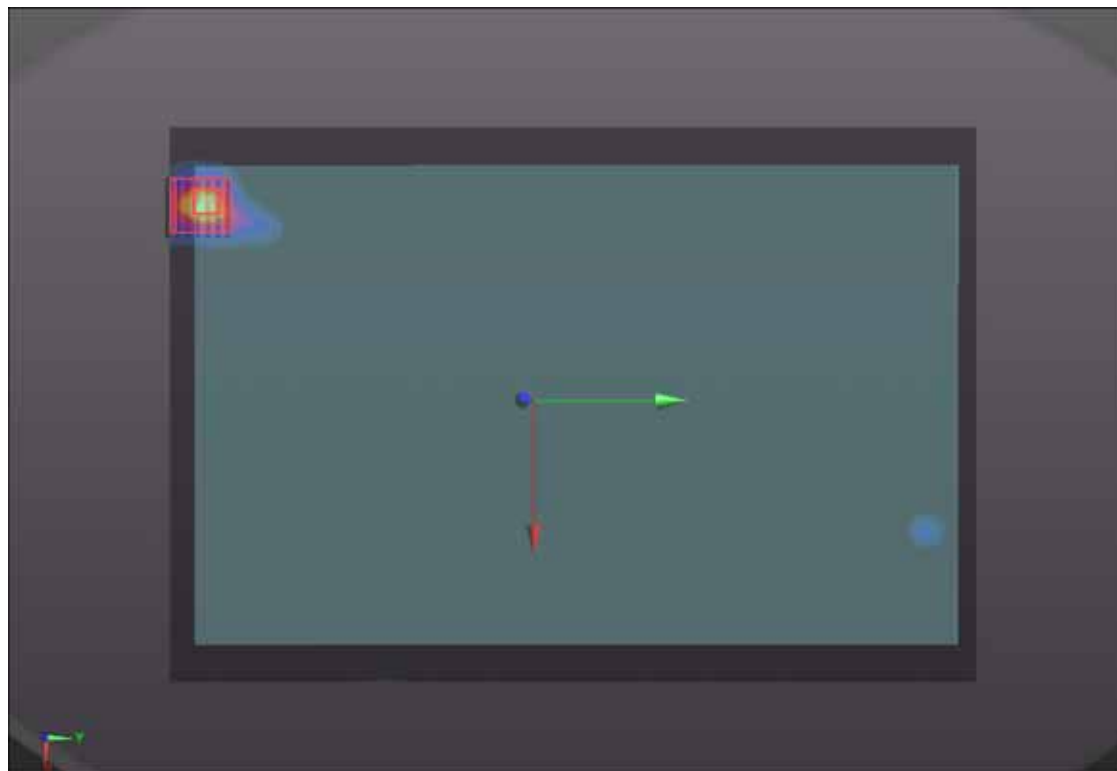
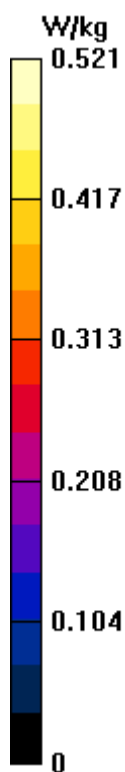
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.385 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.601 mW/g

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.820 W/kg



P151 802.11a_Secondary Portrait_0cm_Ch64_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.449 W/kg

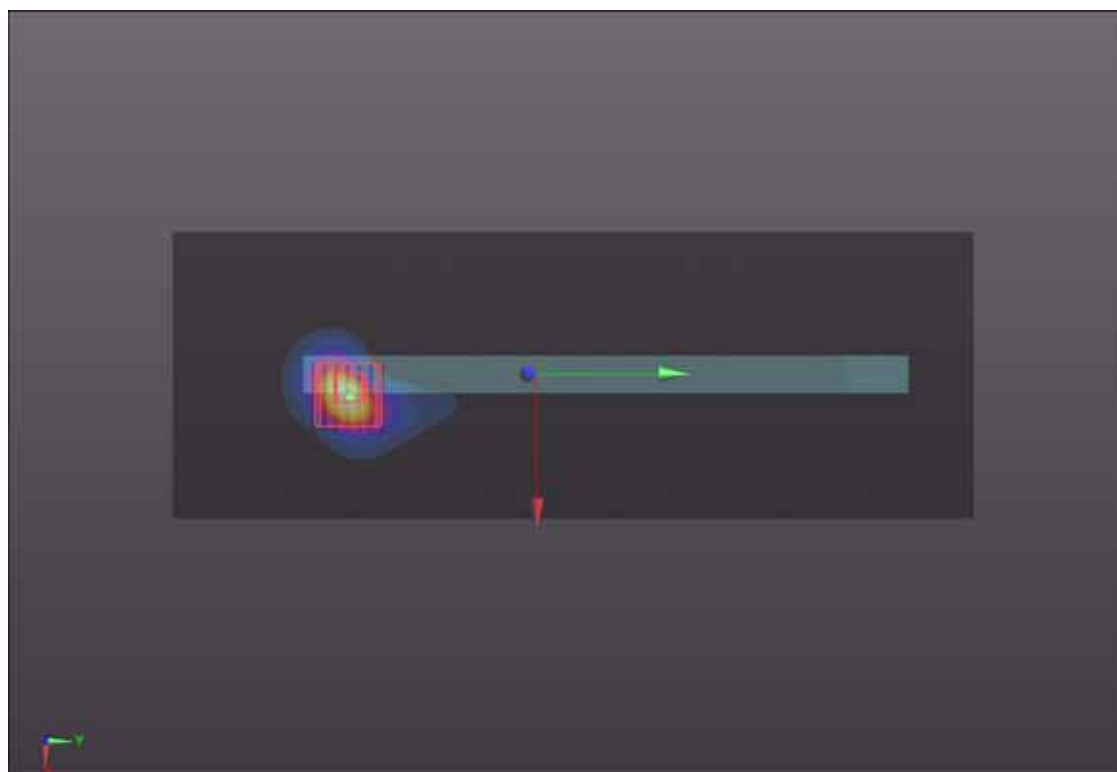
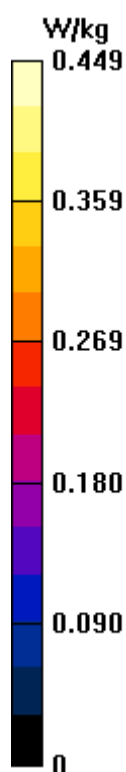
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.154 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.446 mW/g

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.807 W/kg



P152 802.11a_Primary Landscape_0cm_Ch64_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (101x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.173 W/kg

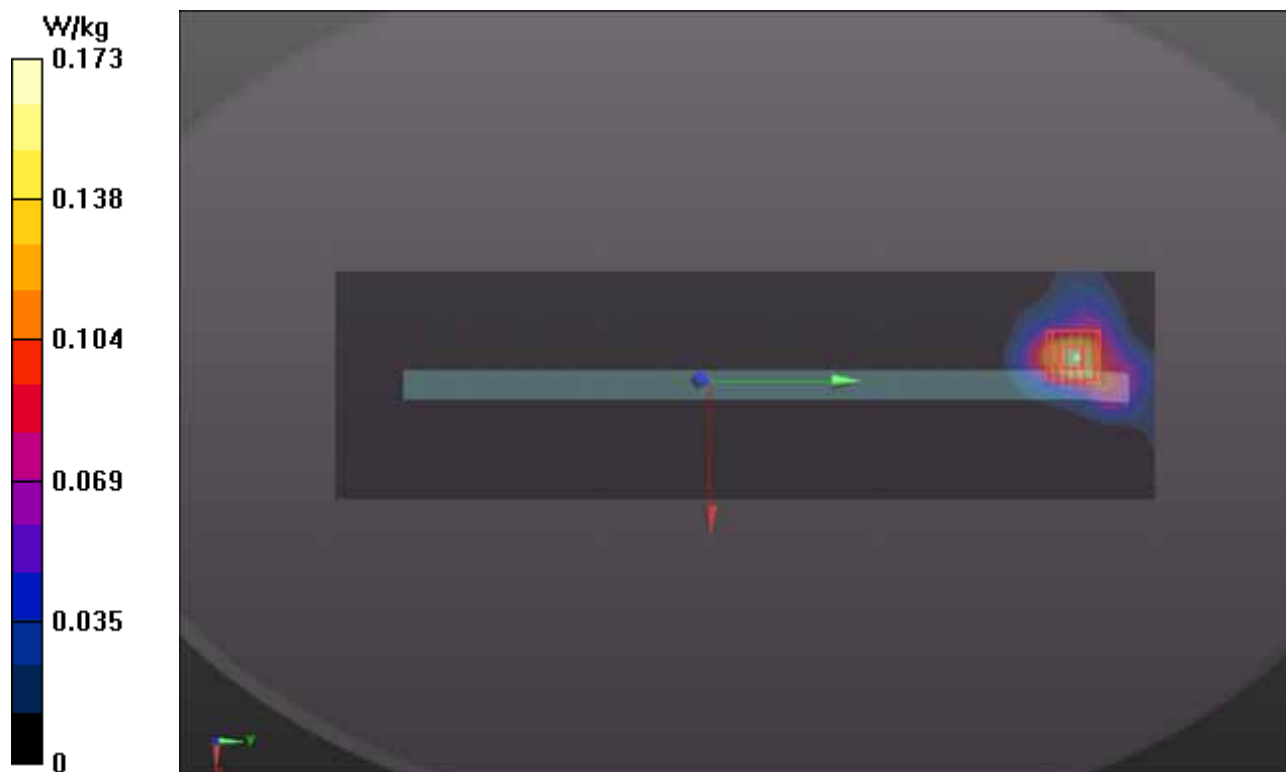
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.275 mW/g

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.163 W/kg



P153 802.11n_HT20_Rear Face_0cm_Ch116_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.826$ mho/m; $\epsilon_r = 48.251$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (221x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.398 W/kg

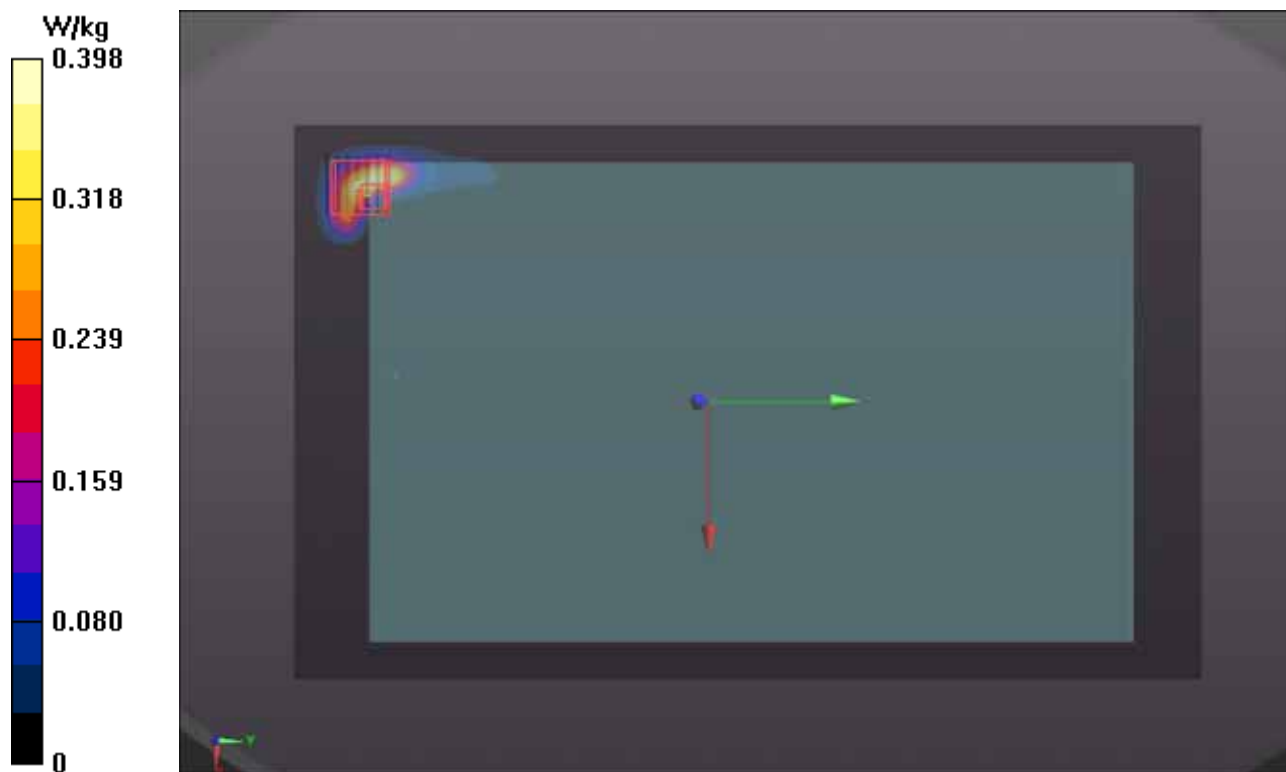
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.776 mW/g

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR (measured) = 0.984 W/kg



P154 802.11n_HT20_Secondary Portrait_0cm_Ch116_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.817$ mho/m; $\epsilon_r = 50.262$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

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

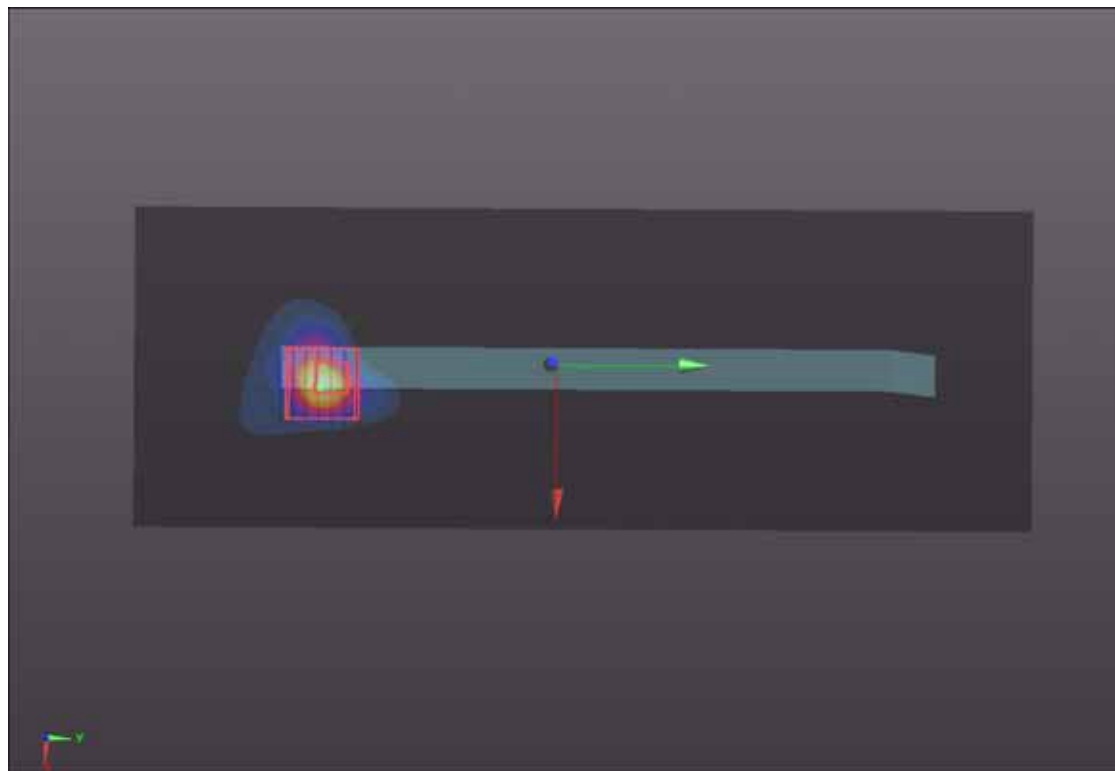
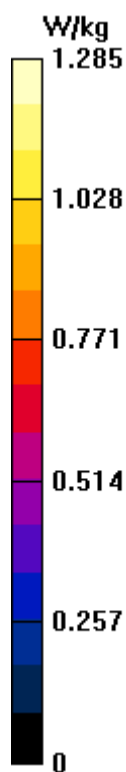
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.269 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.659 mW/g

SAR(1 g) = 0.920 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 2.00 W/kg



P155 802.11n_HT20_Primary Landscape_0cm_Ch116_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.826$ mho/m; $\epsilon_r = 48.251$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.453 W/kg

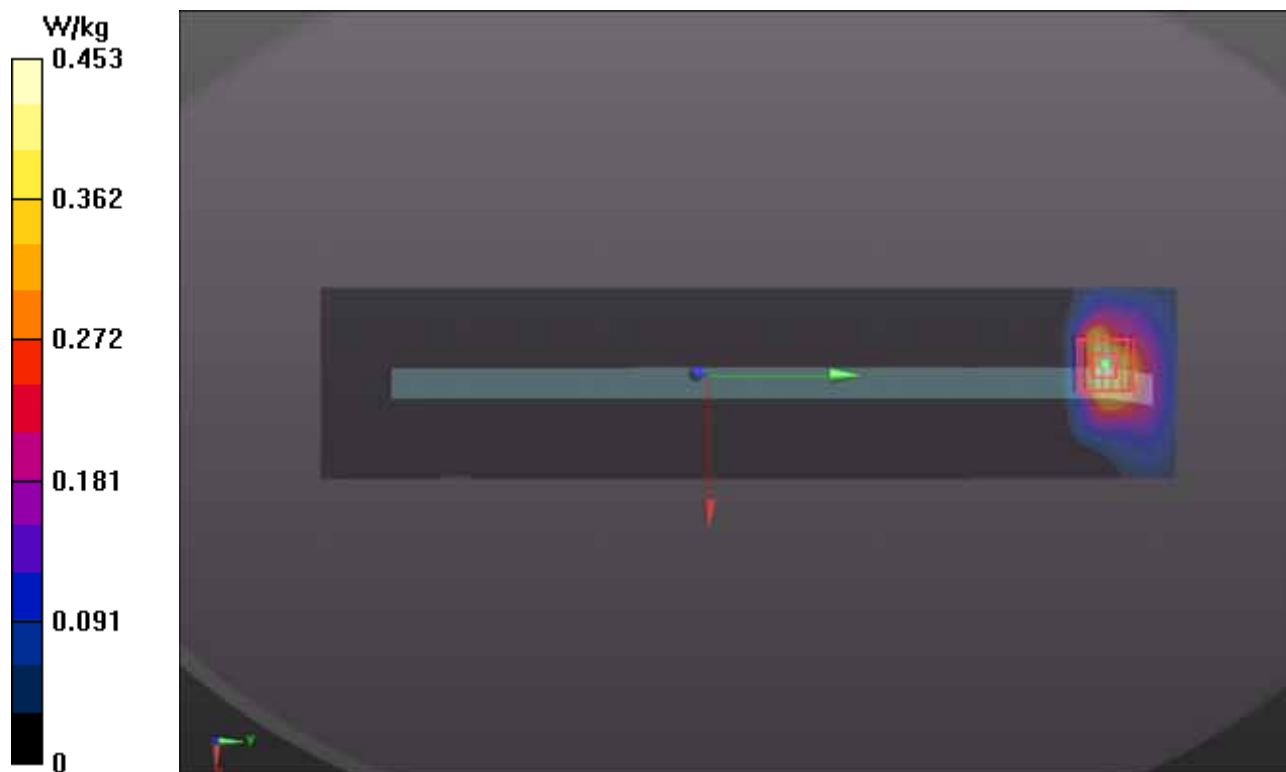
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.854 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.792 mW/g

SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.464 W/kg



P159 802.11n_HT20_Secondary Portrait_0cm_Ch100_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.686$ mho/m; $\epsilon_r = 50.476$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.35, 4.35, 4.35); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch100/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

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

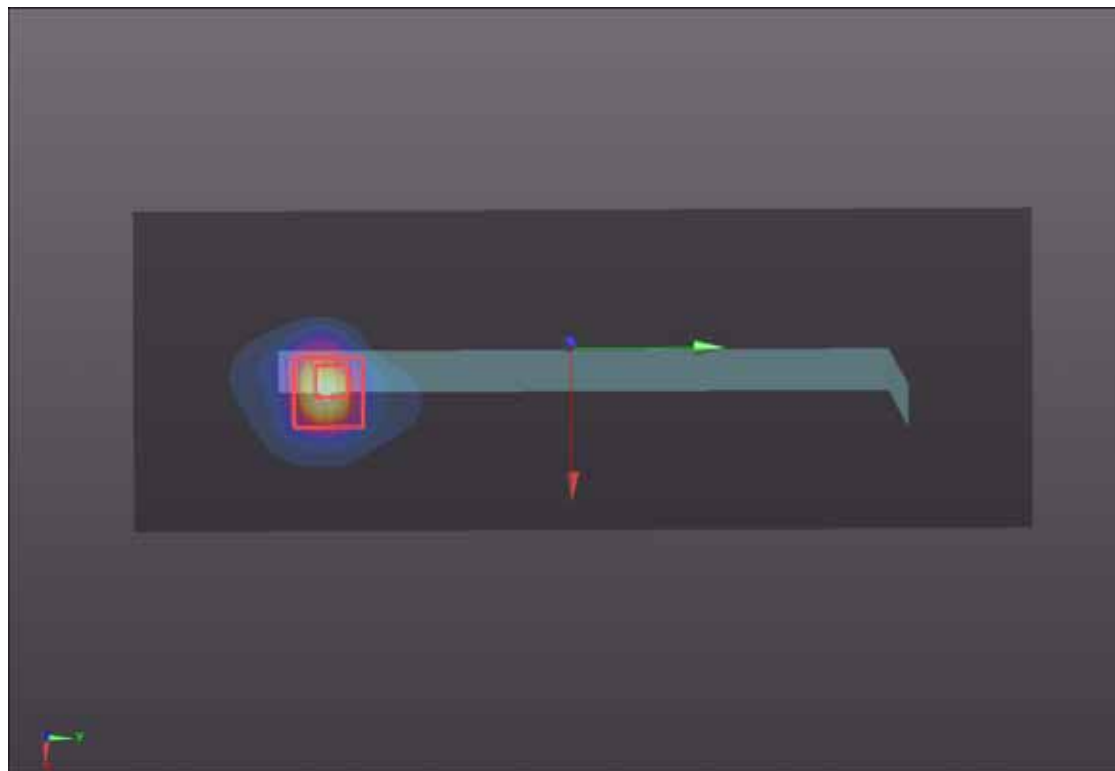
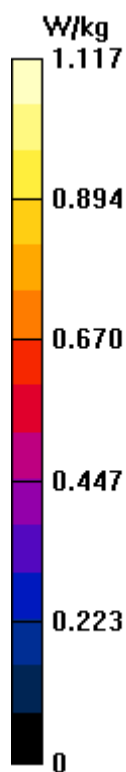
Ch100/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

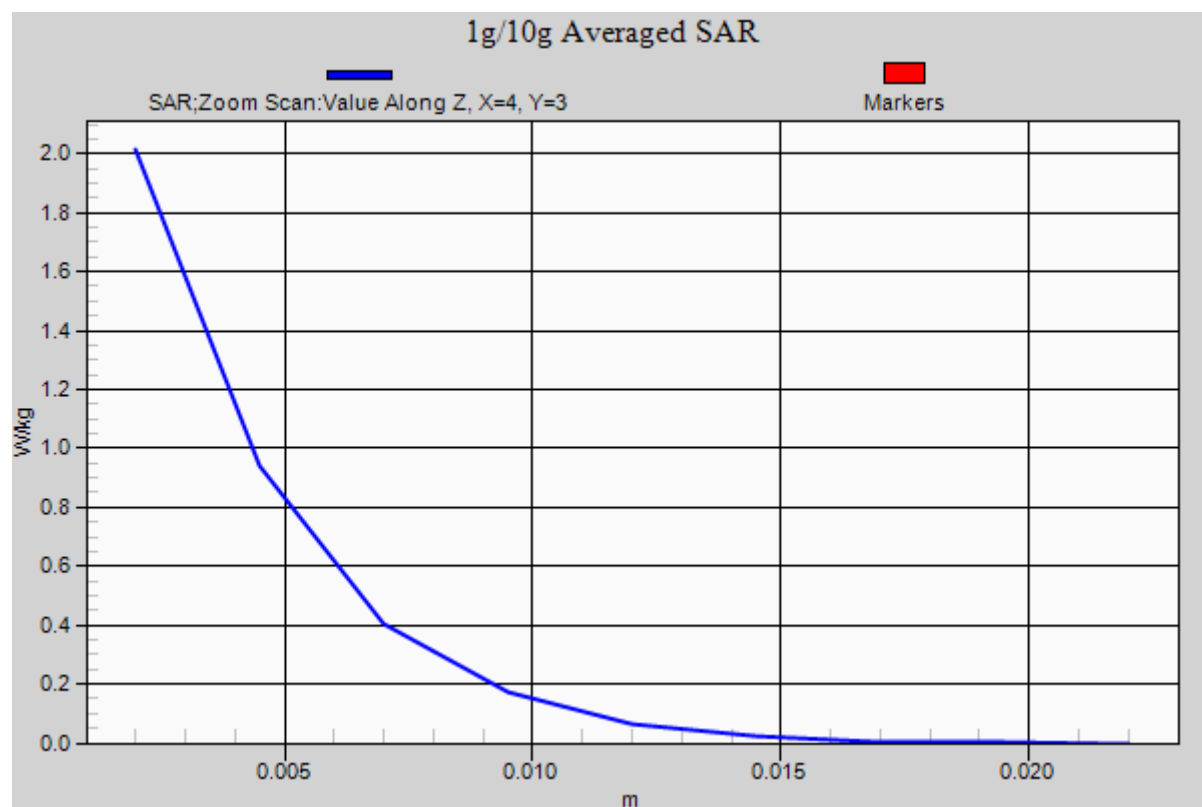
Reference Value = 2.665 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.984 mW/g

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.252 mW/g

Maximum value of SAR (measured) = 2.01 W/kg





P160 802.11n_HT20_Secondary Portrait_0cm_Ch136_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5680$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 50.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch136/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.05 W/kg

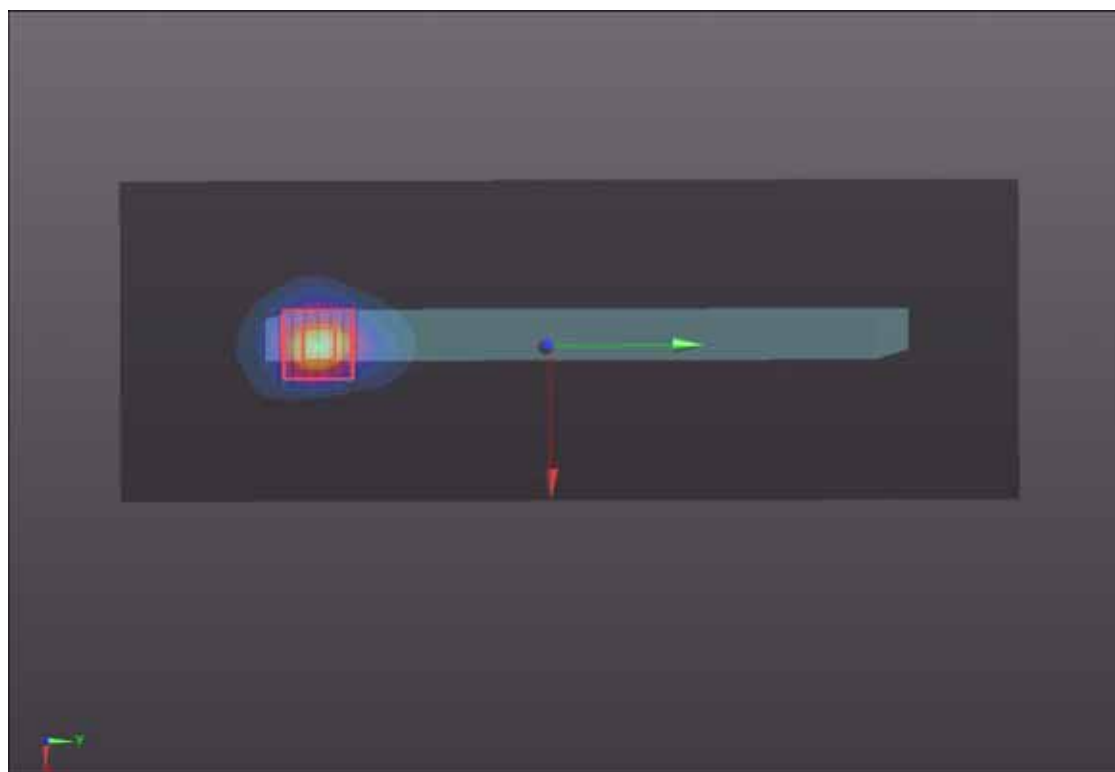
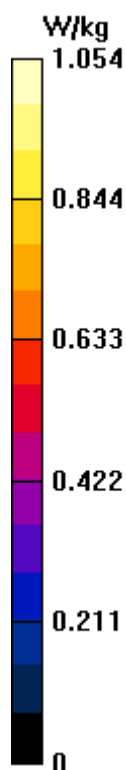
Ch136/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.967 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.919 mW/g

SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.188 mW/g

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



P156 802.11a_Rear Face_0cm_Ch149_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.026$ mho/m; $\epsilon_r = 48.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (221x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.840 W/kg

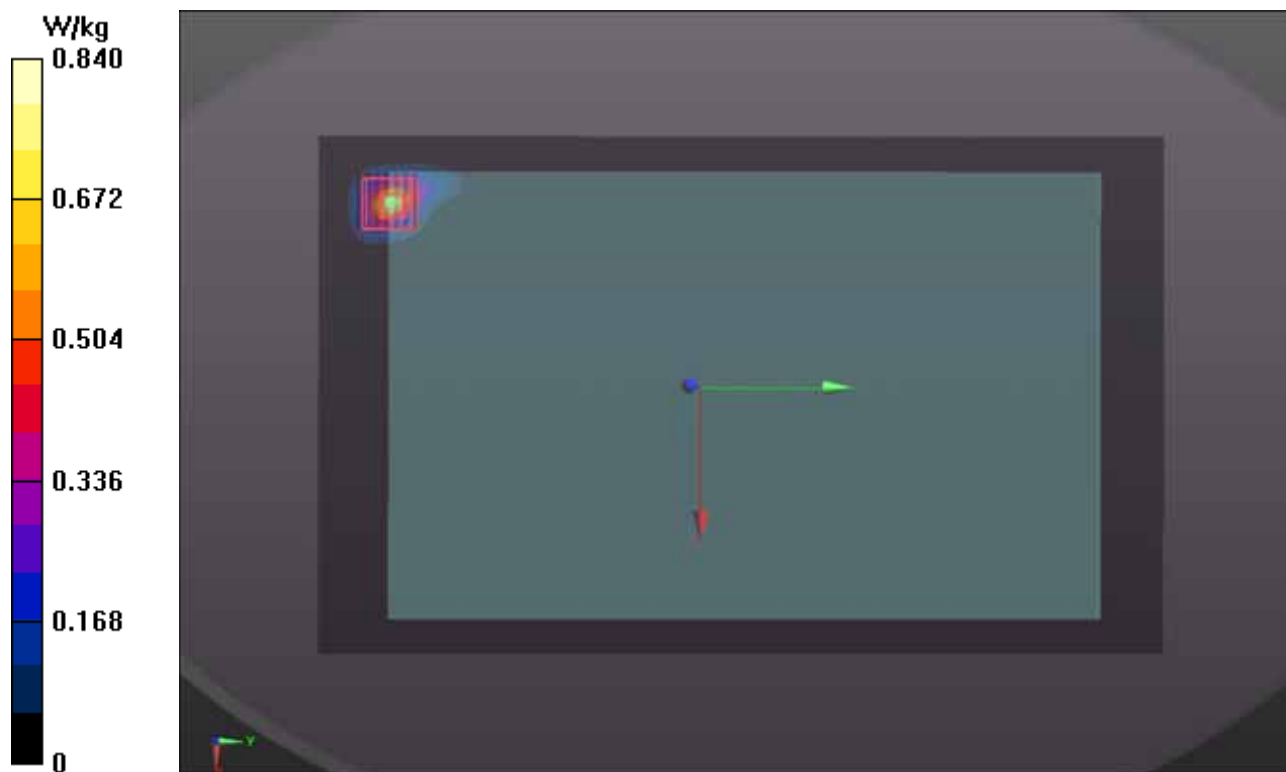
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.866 mW/g

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.898 W/kg



P157 802.11a_Secondary Portrait_0cm_Ch149_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.07$ mho/m; $\epsilon_r = 49.891$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.996 W/kg

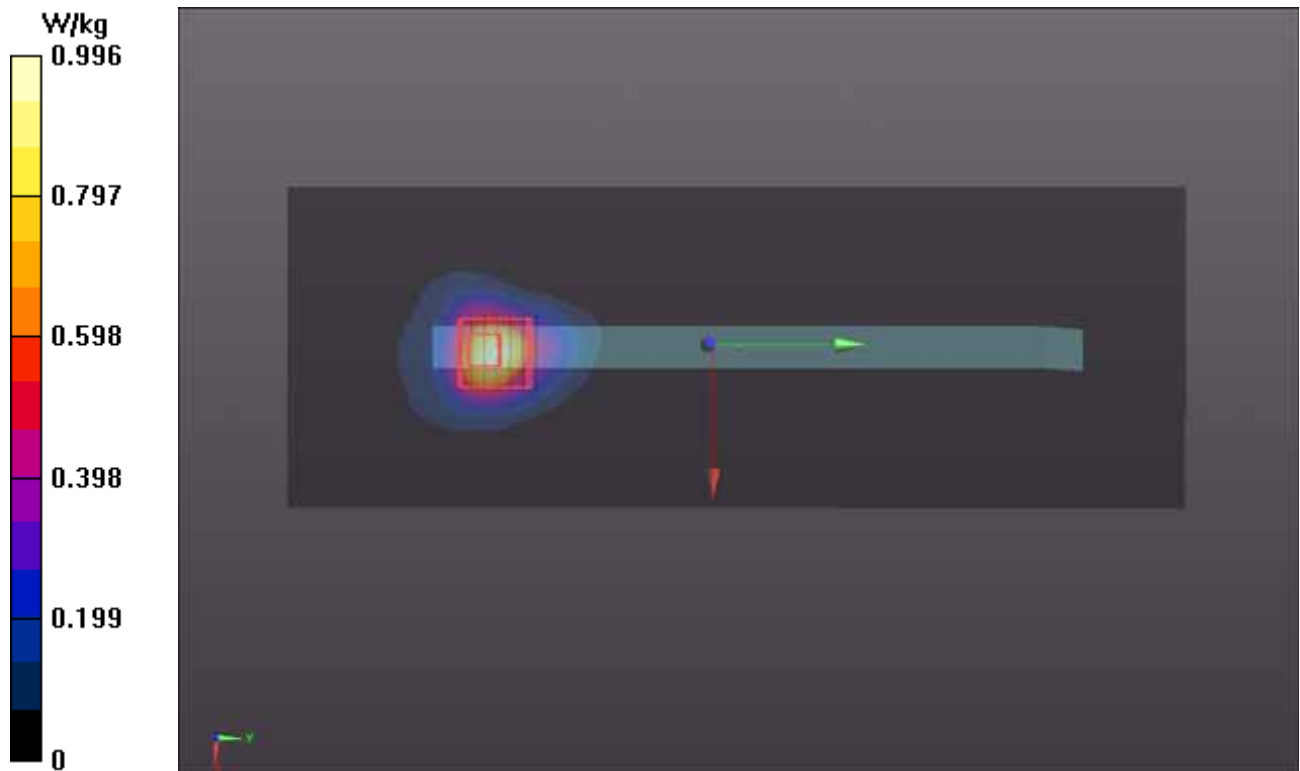
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.089 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.002 mW/g

SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 1.95 W/kg



P158 802.11a_Primary Landscape_0cm_Ch149_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.026$ mho/m; $\epsilon_r = 48.167$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch149/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.321 W/kg

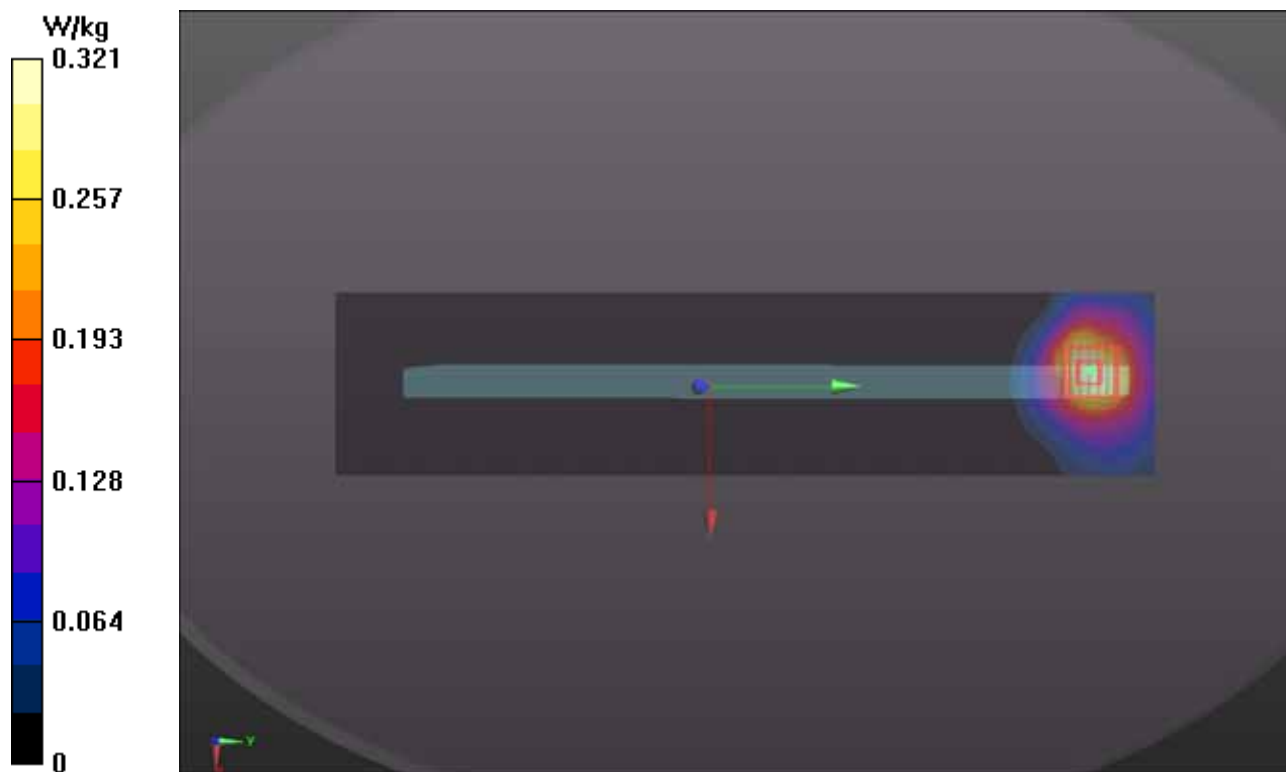
Ch149/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.510 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.837 mW/g

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.437 W/kg



P161 802.11a_Secondary Portrait_0cm_Ch153_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5765 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5765$ MHz; $\sigma = 6.101$ mho/m; $\epsilon_r = 49.84$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch153/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.06 W/kg

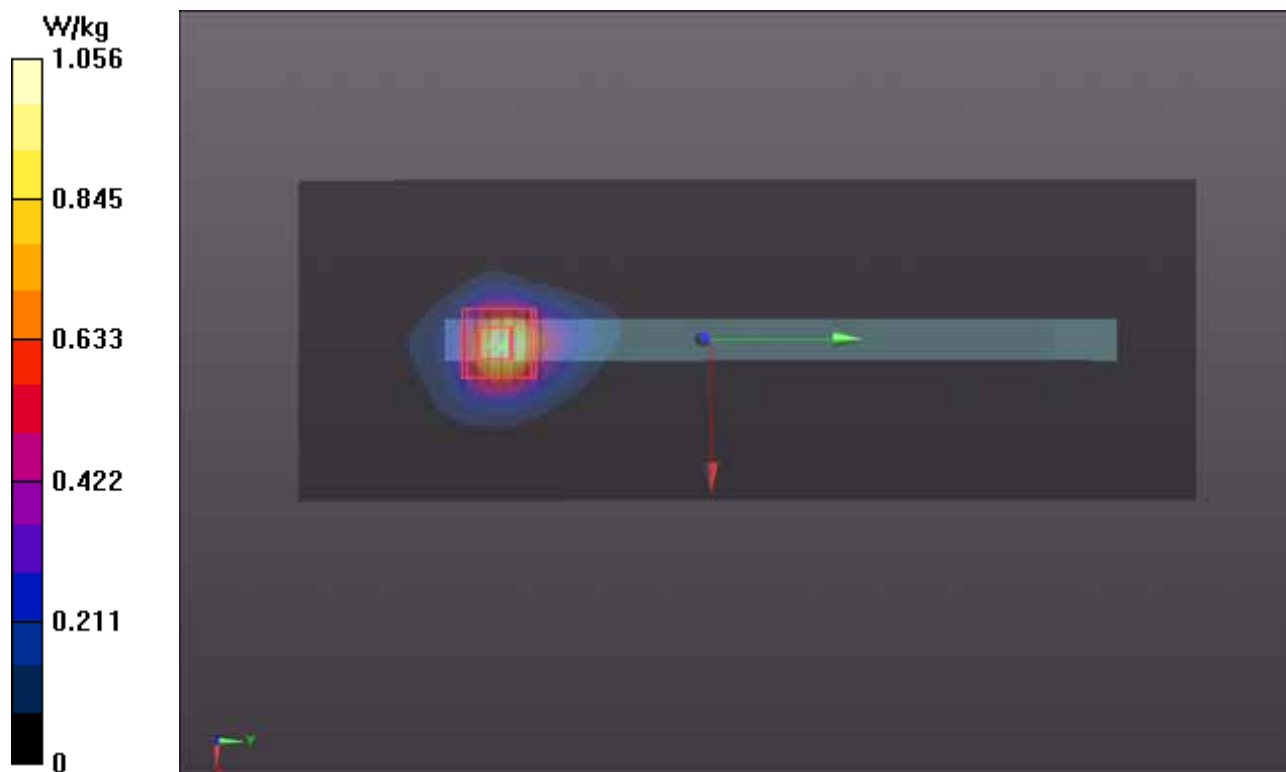
Ch153/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.187 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.803 mW/g

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.225 mW/g

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



P162 802.11a_Secondary Portrait_0cm_Ch165_Ant 1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.192$ mho/m; $\epsilon_r = 49.698$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch165/Area Scan (101x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.973 W/kg

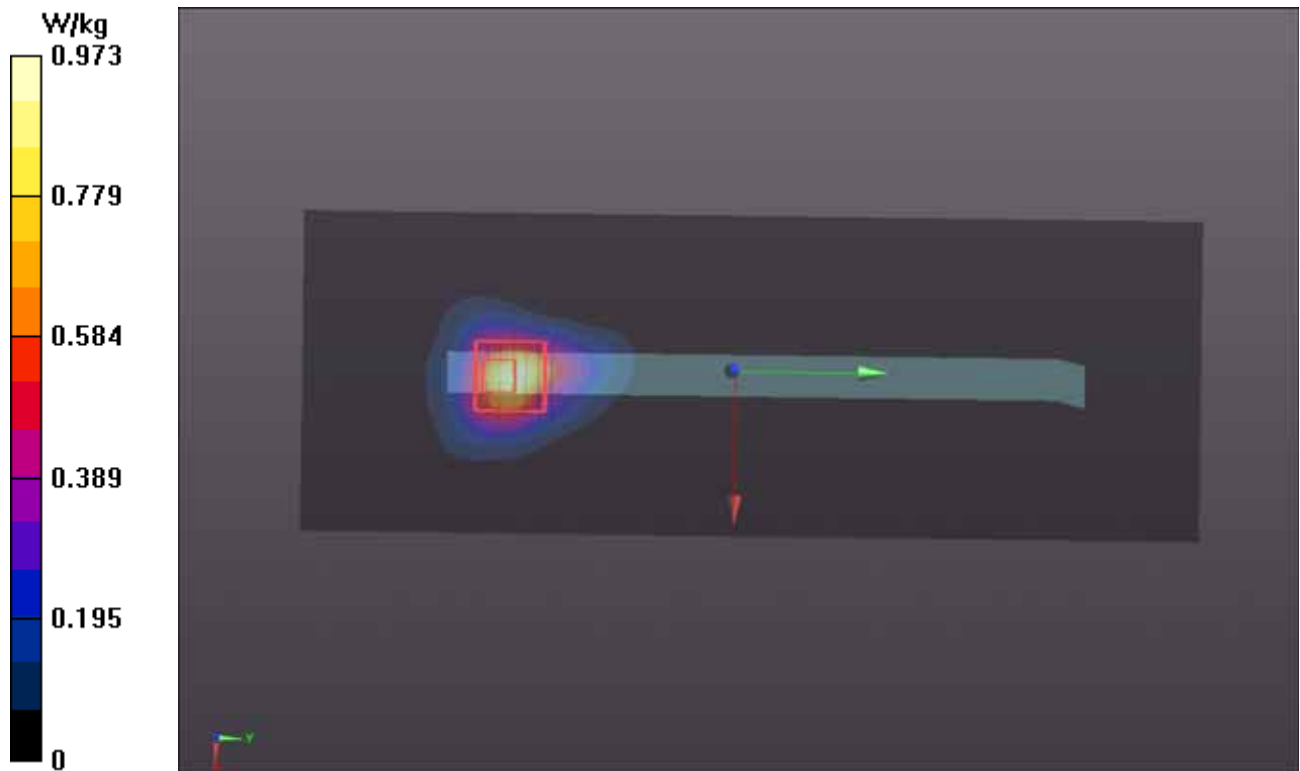
Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.912 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.254 mW/g

SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 1.60 W/kg



P126 802.11n_HT40_Rear Face_0cm_Ch46_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.234$ mho/m; $\epsilon_r = 50.892$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch46/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.274 W/kg

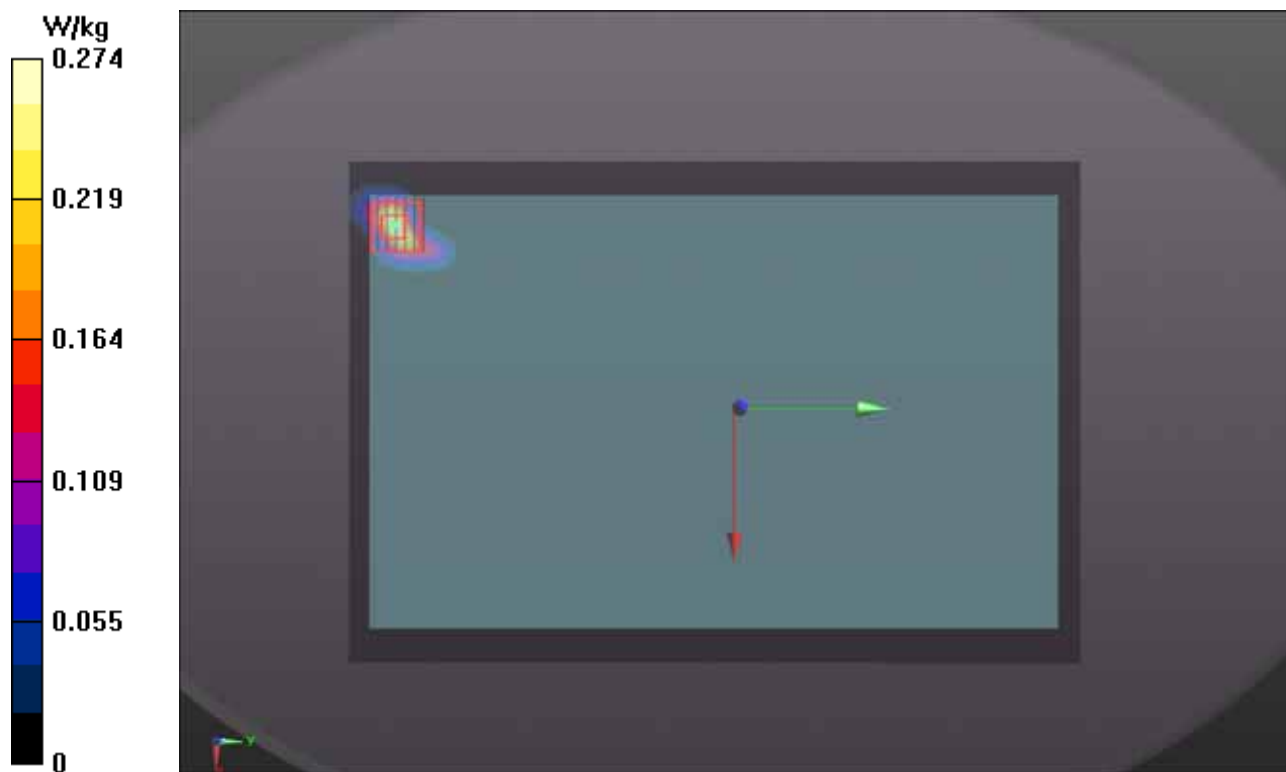
Ch46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.024 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.536 W/kg



P127 802.11n_HT40_Secondary Portrait_0cm_Ch46_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.234$ mho/m; $\epsilon_r = 50.892$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch46/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.347 W/kg

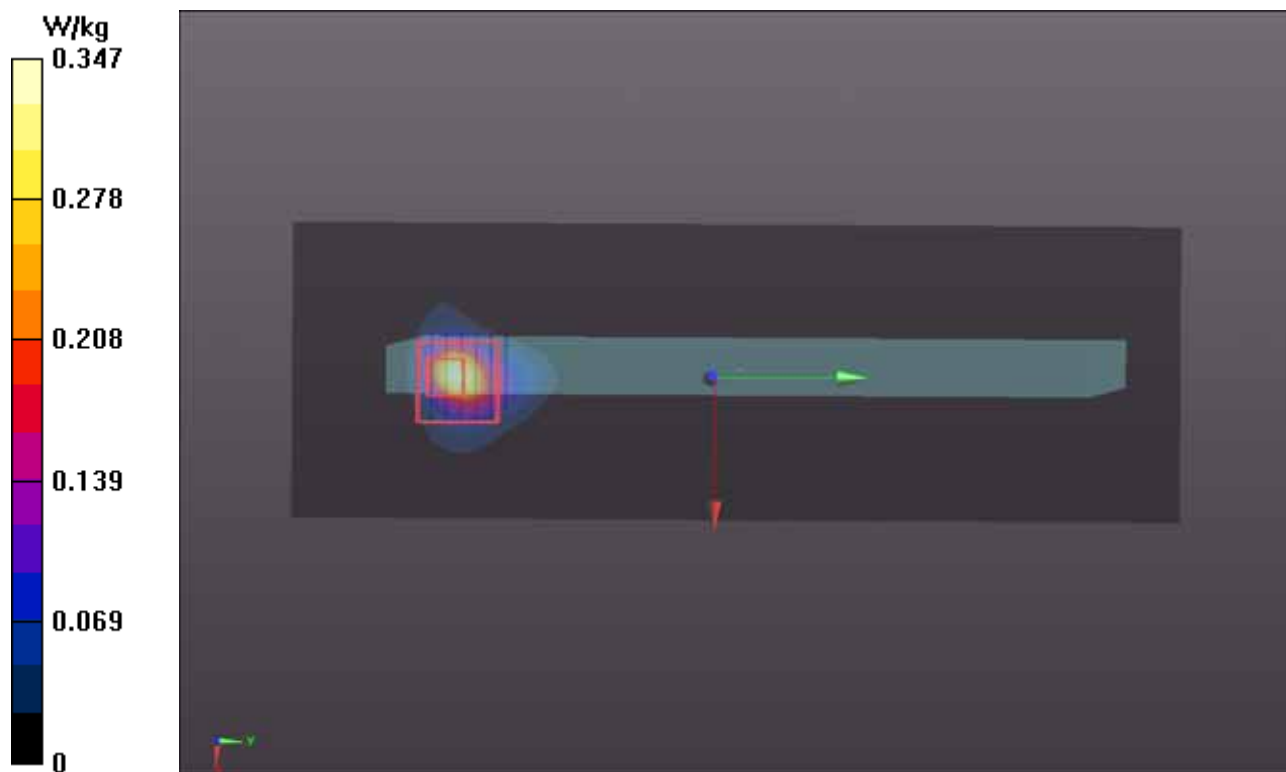
Ch46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.510 mW/g

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.265 W/kg



P128 802.11n_HT40_Primary Portrait_0cm_Ch46_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.234$ mho/m; $\epsilon_r = 50.892$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch46/Area Scan (121x281x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.126 W/kg

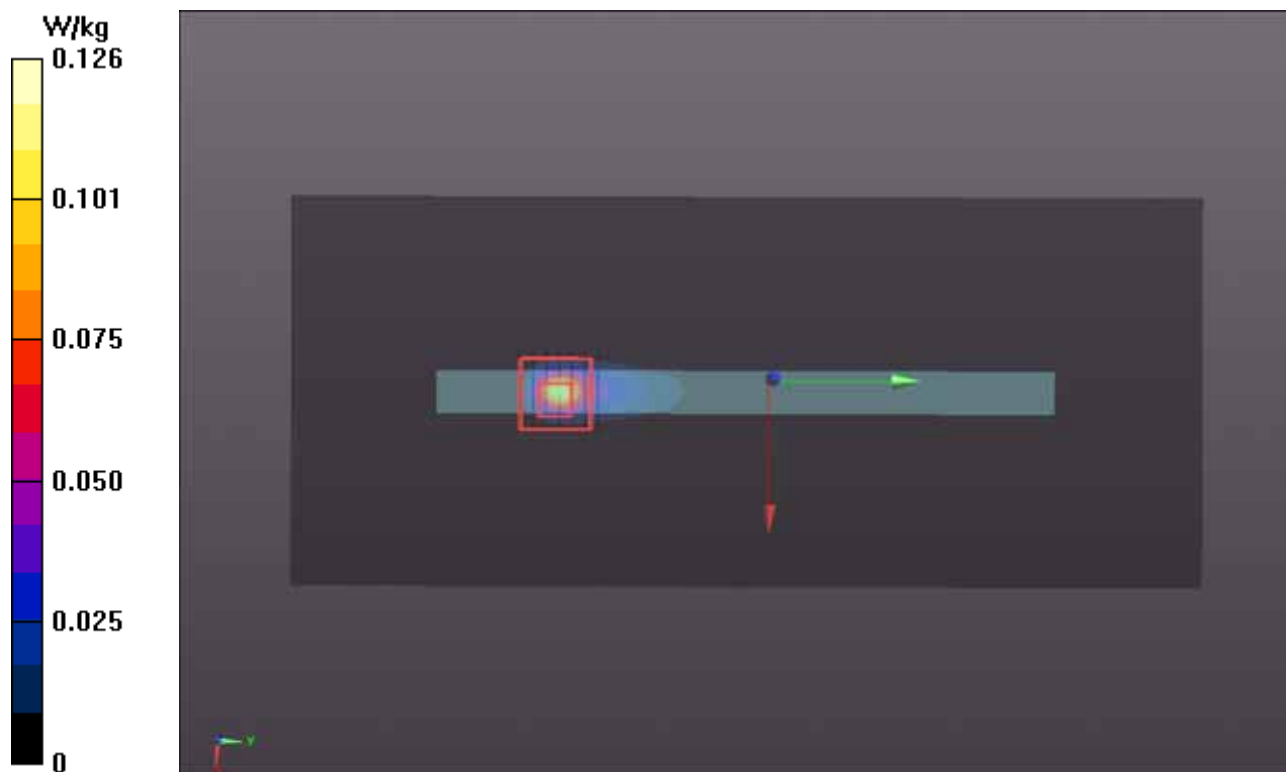
Ch46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.572 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.275 mW/g

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.117 W/kg



P130 802.11n_HT40_Primary Landscape_0cm_Ch46_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.33$ mho/m; $\epsilon_r = 48.98$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch46/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0655 W/kg

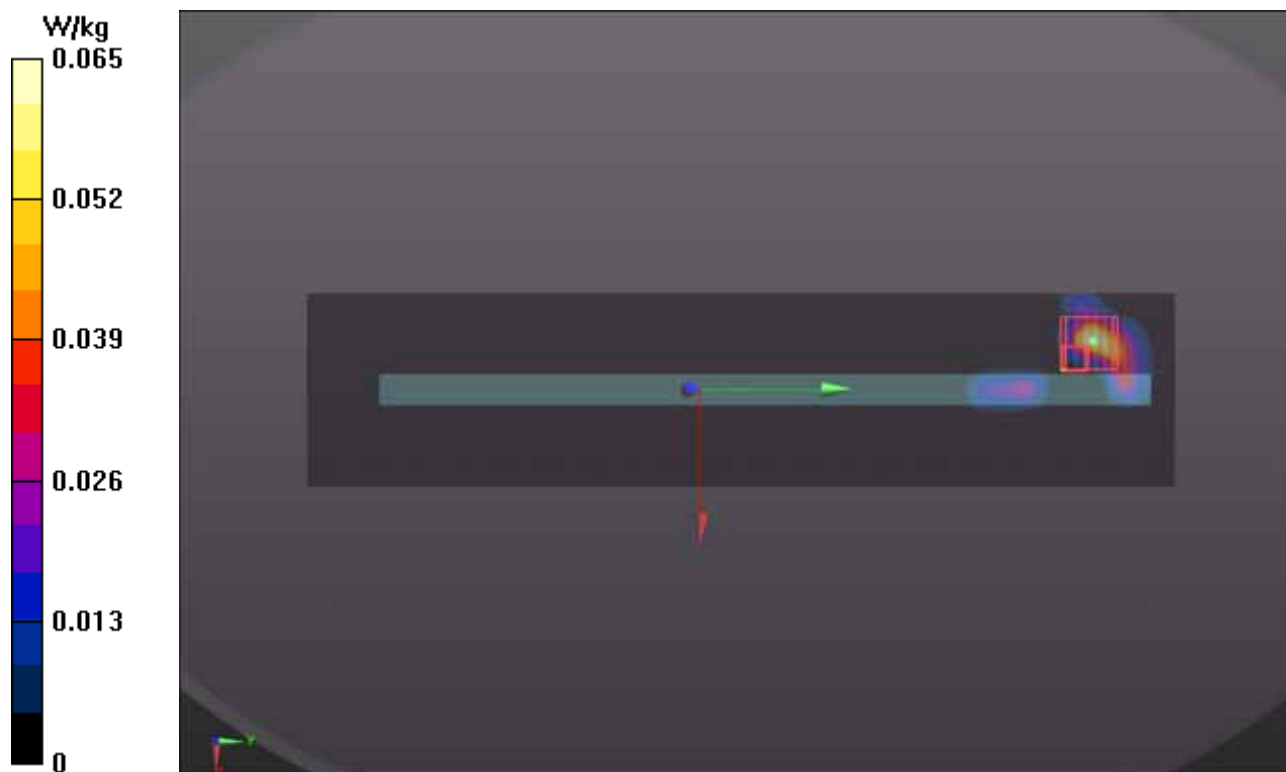
Ch46/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.218 mW/g

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.139 W/kg



P131 802.11n_HT20_Rear Face_0cm_Ch64_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.431$ mho/m; $\epsilon_r = 48.777$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (221x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0840 W/kg

Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.581 mW/g

SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.353 W/kg



P132 802.11n_HT20_Secondary Portrait_0cm_Ch64_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.397 W/kg

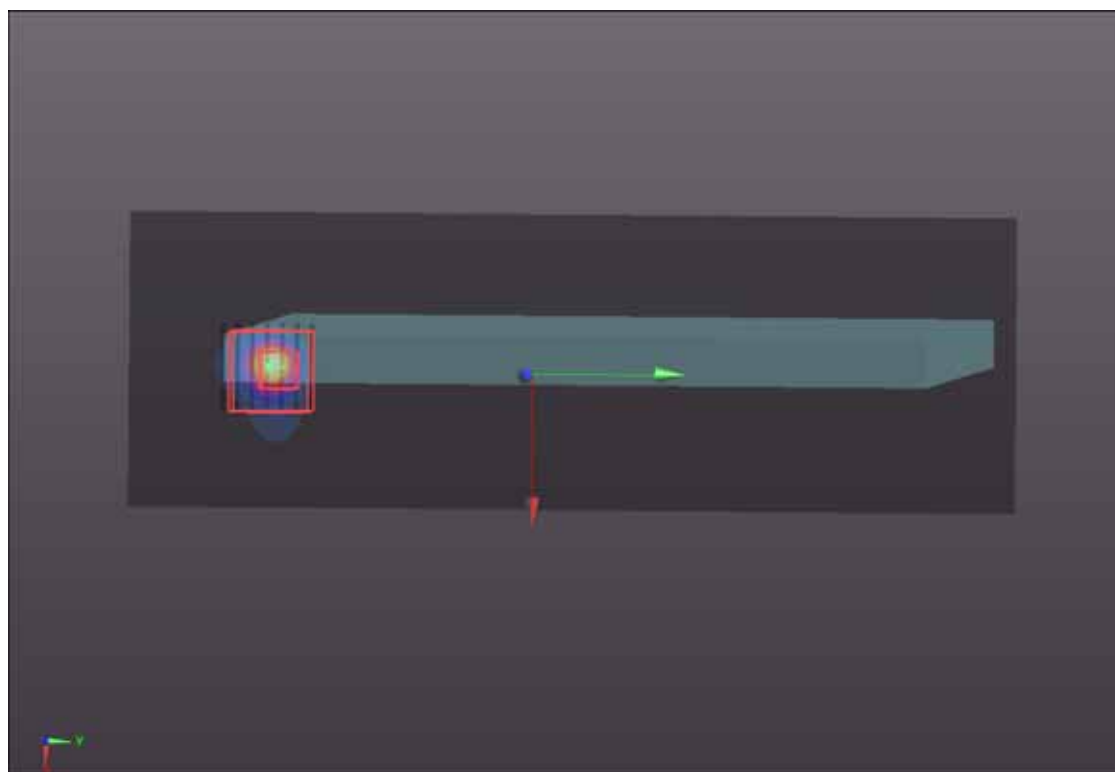
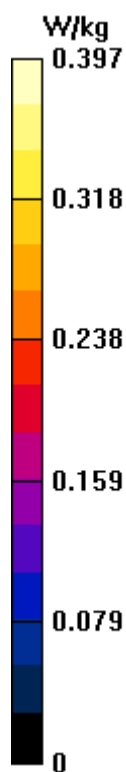
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.162 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.683 mW/g

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.398 W/kg



P133 802.11n_HT20_Primary Portrait_0cm_Ch64_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.38$ mho/m; $\epsilon_r = 50.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.116 W/kg

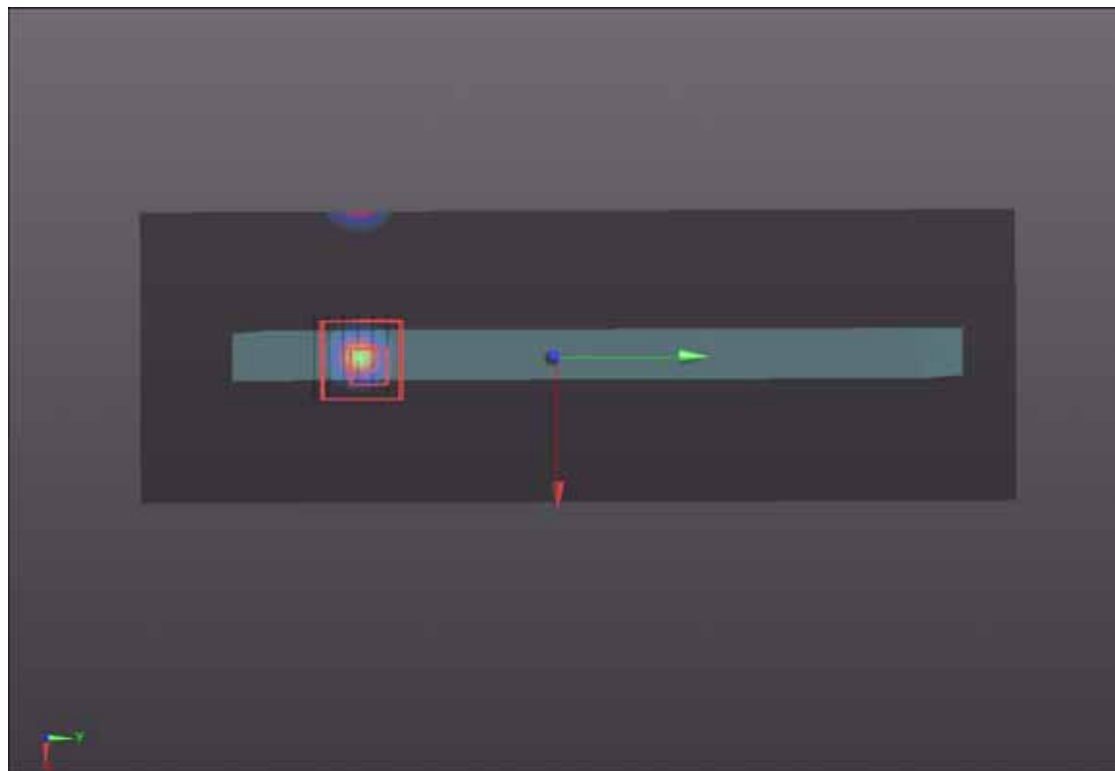
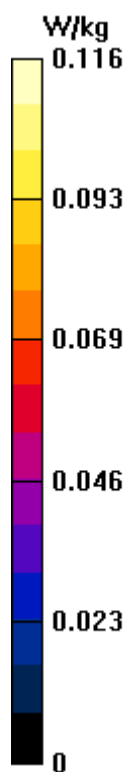
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.378 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.304 mW/g

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.132 W/kg



P134 802.11n_HT20_Secondary Landscape_0cm_Ch64_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.431$ mho/m; $\epsilon_r = 48.777$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0124 W/kg

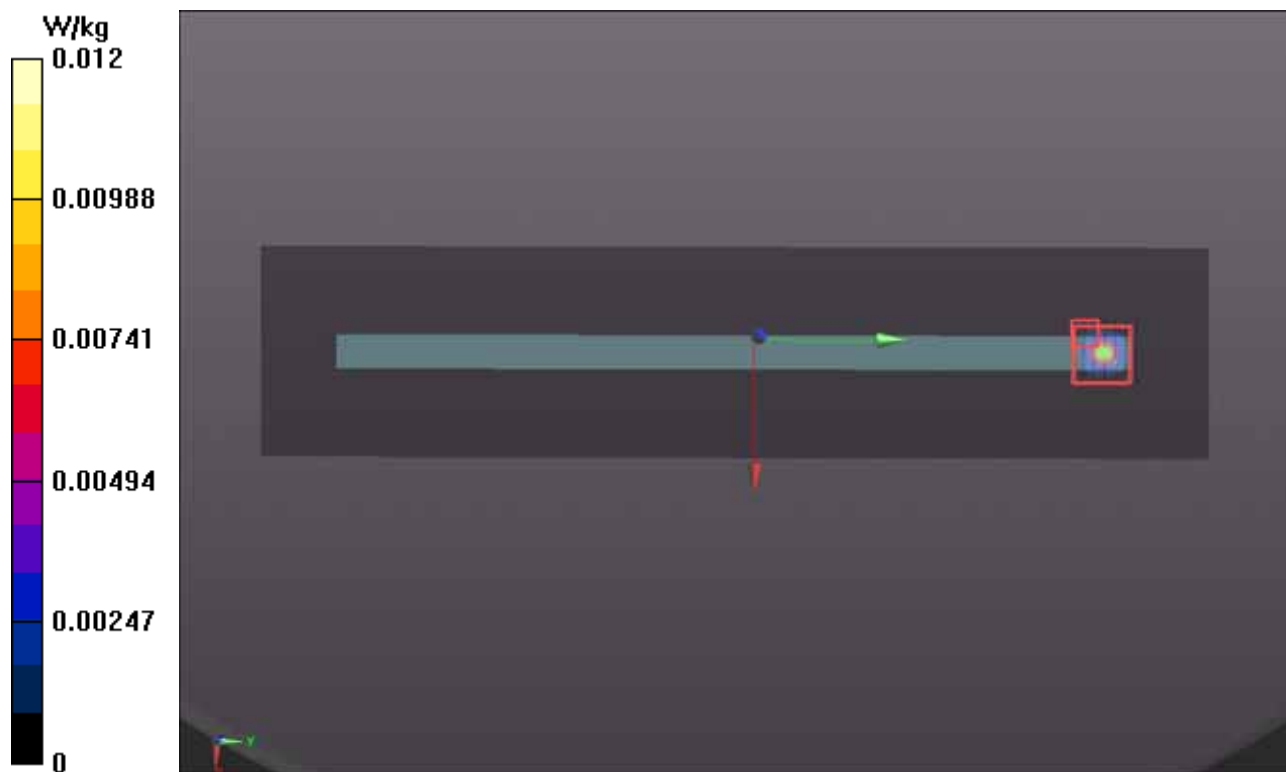
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.038 mW/g

SAR(1 g) = 0.000441 mW/g; SAR(10 g) = 3.28e-005 mW/g

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



P135 802.11n_HT20_Primary Landscape_0cm_Ch64_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.431$ mho/m; $\epsilon_r = 48.777$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.81, 4.81, 4.81); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (121x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0431 W/kg

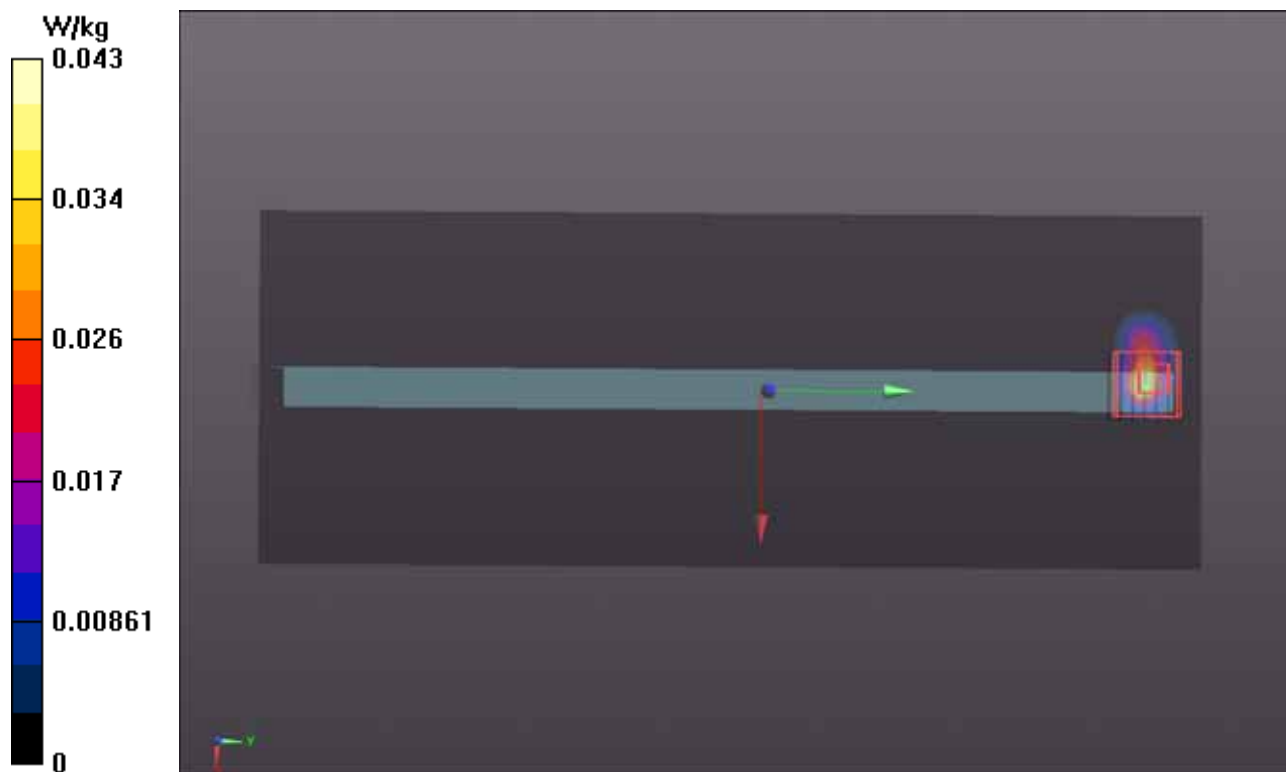
Ch64/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.251 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.00815 mW/g

Maximum value of SAR (measured) = 0.0604 W/kg



P136 802.11n_HT20_Rear Face_0cm_Ch116_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.826$ mho/m; $\epsilon_r = 48.251$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (221x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.217 W/kg

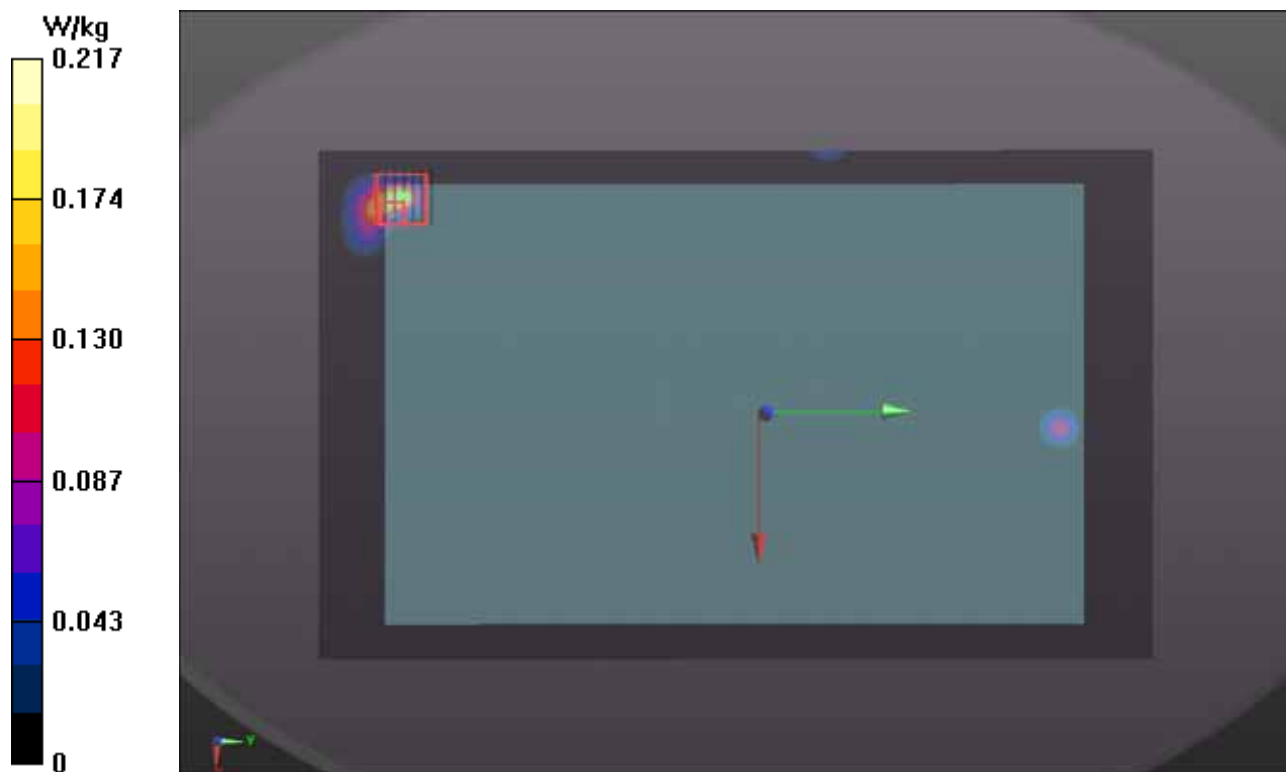
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.802 mW/g

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.446 W/kg



P137 802.11n_HT20_Secondary Portrait_0cm_Ch116_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.817$ mho/m; $\epsilon_r = 50.262$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.05 W/kg

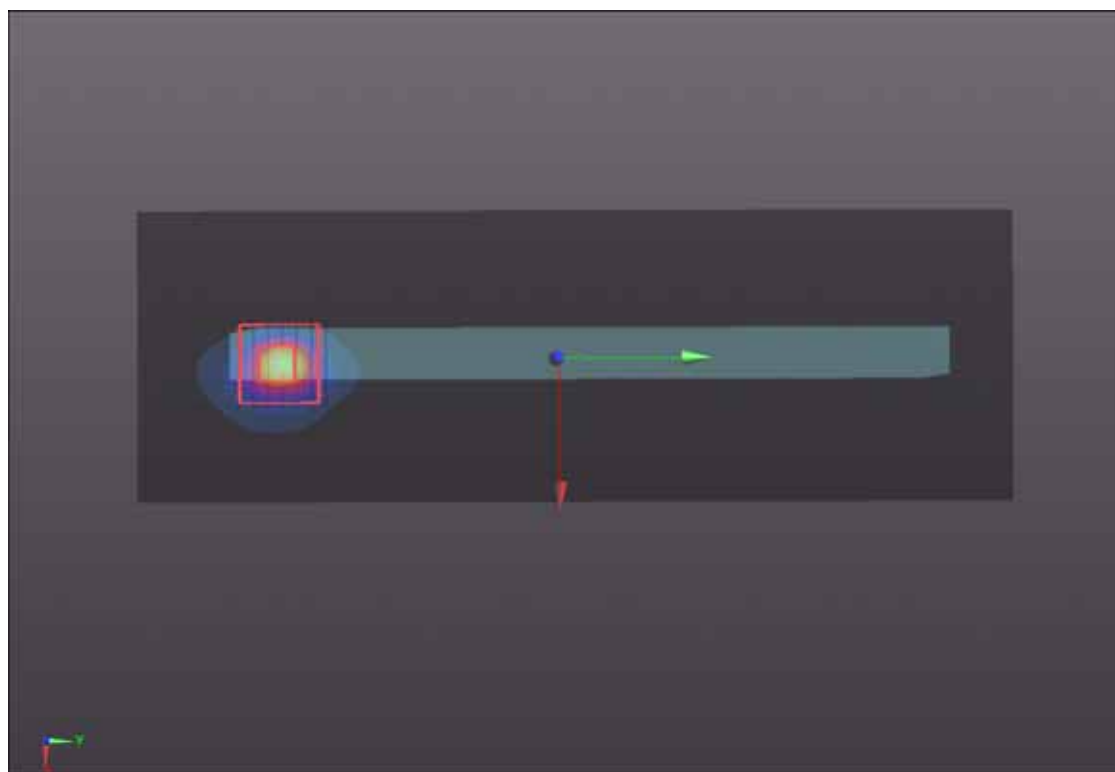
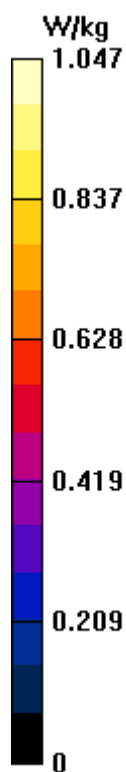
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.623 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.798 mW/g

SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.986 W/kg



P138 802.11n_HT20_Primary Portrait_0cm_Ch116_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.817$ mho/m; $\epsilon_r = 50.262$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (81x241x1): Measurement grid: dx=10 mm, dy=10mm

Maximum value of SAR (interpolated) = 0.311 W/kg

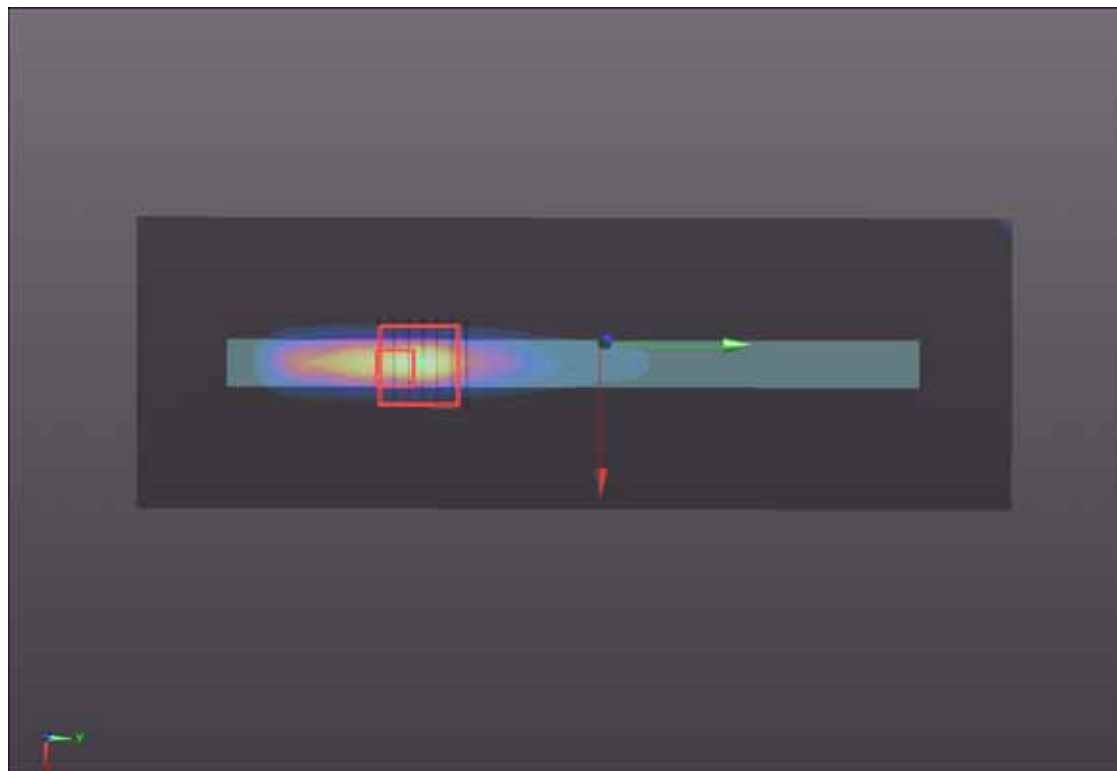
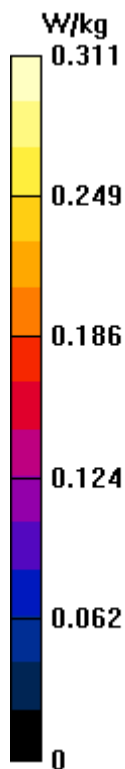
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.927 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.984 mW/g

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.564 W/kg



P140 802.11n_HT20_Primary Landscape_0cm_Ch116_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B5G_0920 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.826$ mho/m; $\epsilon_r = 48.251$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(3.92, 3.92, 3.92); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch116/Area Scan (121x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.127 W/kg

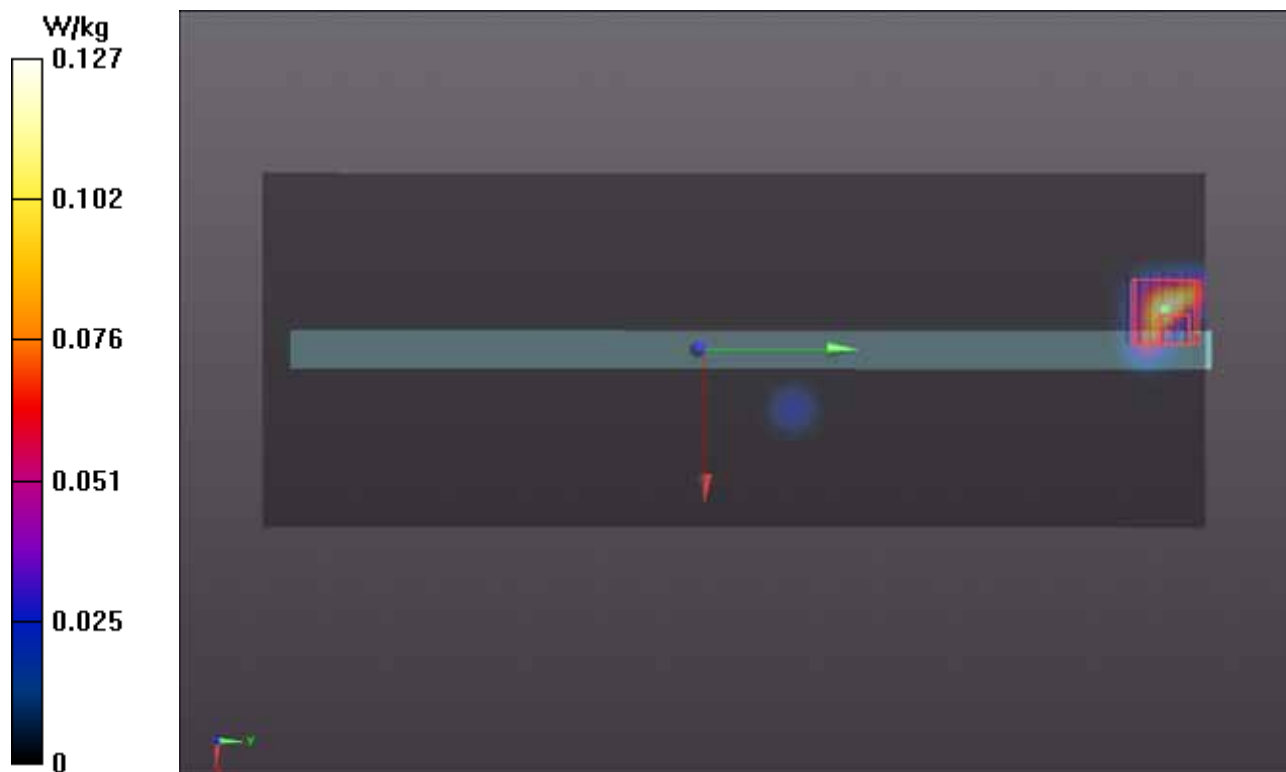
Ch116/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.081 mW/g

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.277 W/kg



P141 802.11n_HT40_Rear Face_0cm_Ch151_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.087$ mho/m; $\epsilon_r = 49.862$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch151/Area Scan (221x321x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0657 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.377 mW/g

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.232 W/kg

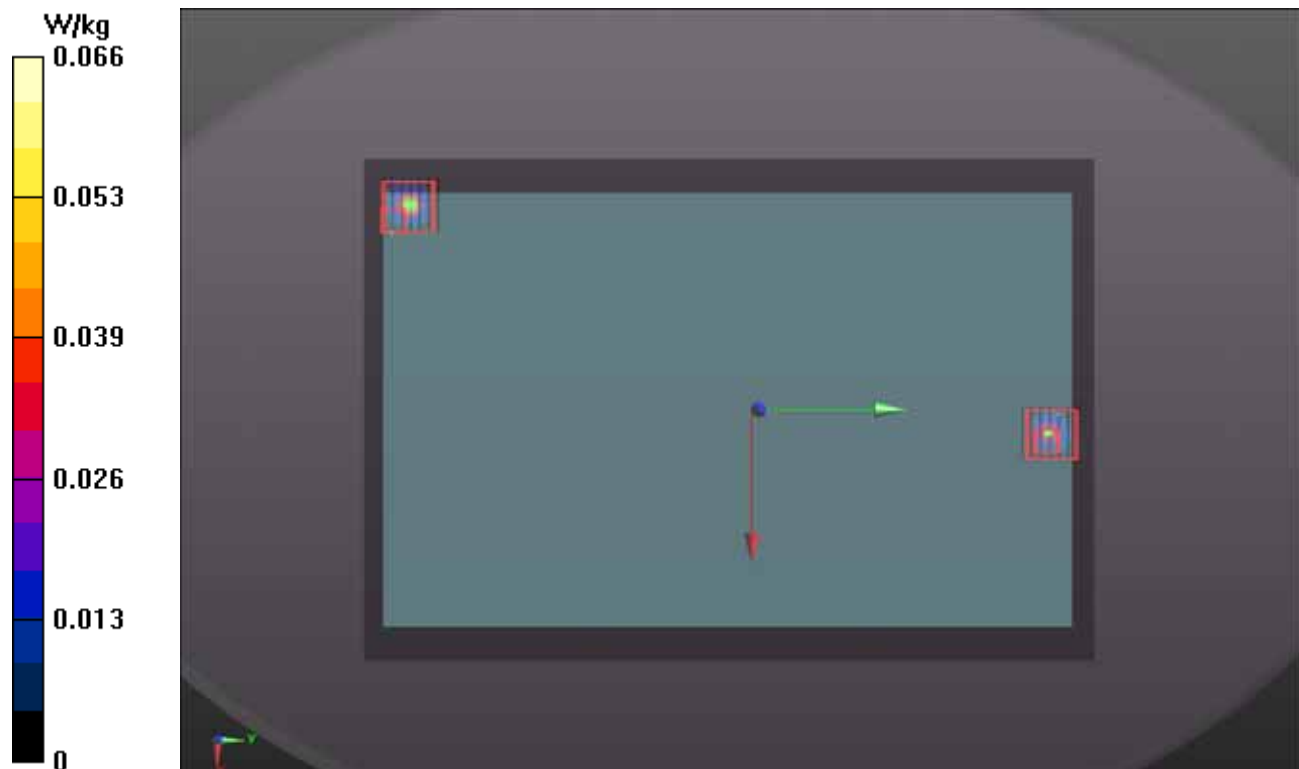
Ch151/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.060 mW/g

SAR(1 g) = 0.00335 mW/g; SAR(10 g) = 0.000522 mW/g

Maximum value of SAR (measured) = 0.0581 W/kg



P142 802.11n_HT40_Secondary Portrait_0cm_Ch151_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.087$ mho/m; $\epsilon_r = 49.862$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch151/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.603 W/kg

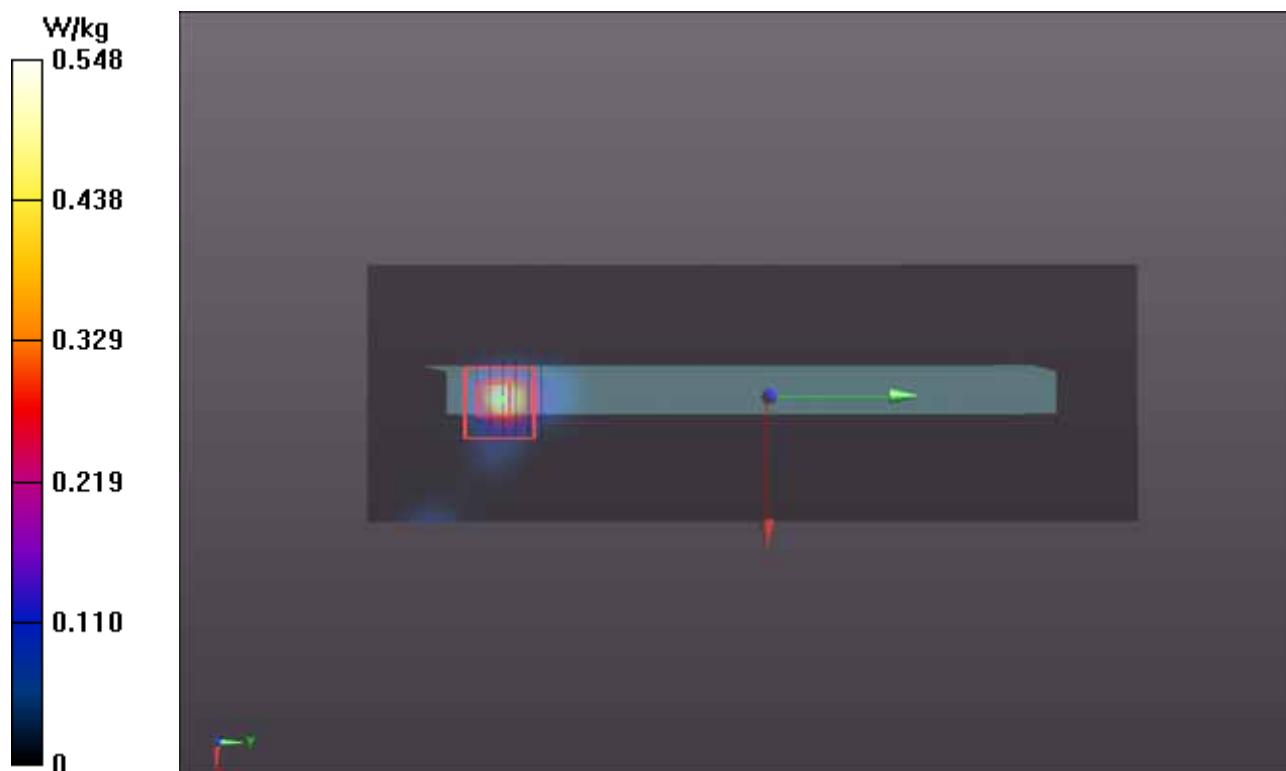
Ch151/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.143 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.205 mW/g

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.548 W/kg



P143 802.11n_HT40_Primary Portrait_0cm_Ch151_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.087$ mho/m; $\epsilon_r = 49.862$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch151/Area Scan (81x241x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.242 W/kg

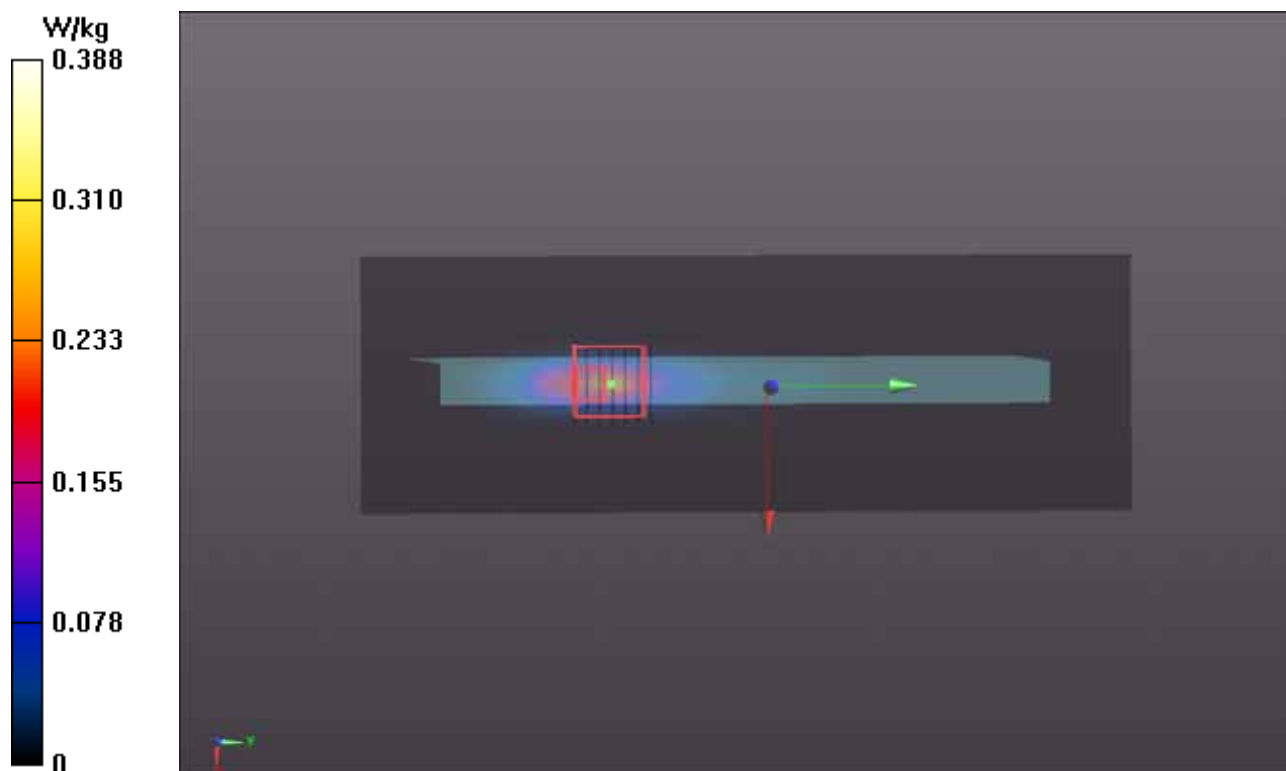
Ch151/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.050 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.090 mW/g

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.388 W/kg



P145 802.11n_HT40_Primary Landscape_0cm_Ch151_Ant 0+1**DUT: 120823C20**

Communication System: WLAN_5G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0919 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.087$ mho/m; $\epsilon_r = 49.862$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.54, 4.54, 4.54); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (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 (2); SEMCAD X Version 14.6.6 (6824)

Ch151/Area Scan (81x361x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.140 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.270 mW/g

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.128 W/kg

