

P01 802.11b_Horizontal Up_0.5cm_Ch6

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (31x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.077 mW/g

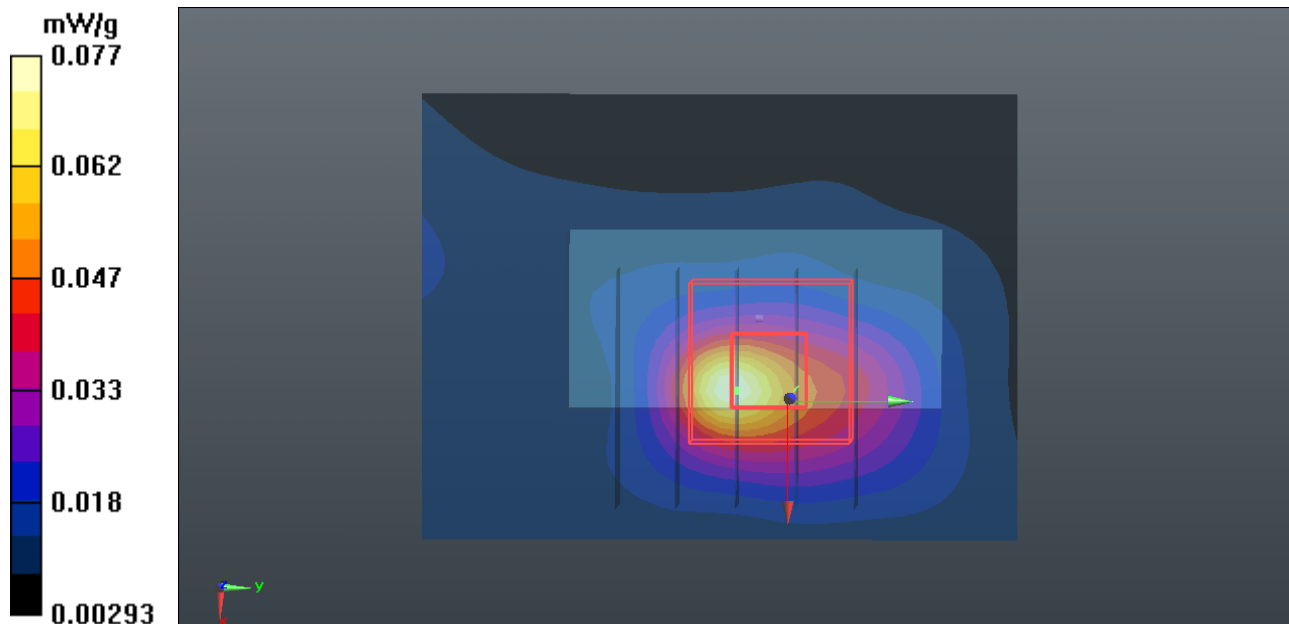
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.834 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.028 mW/g

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



P02 802.11b_Horizontal Down_0.5cm_Ch6

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (31x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.042 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.684 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.043 mW/g

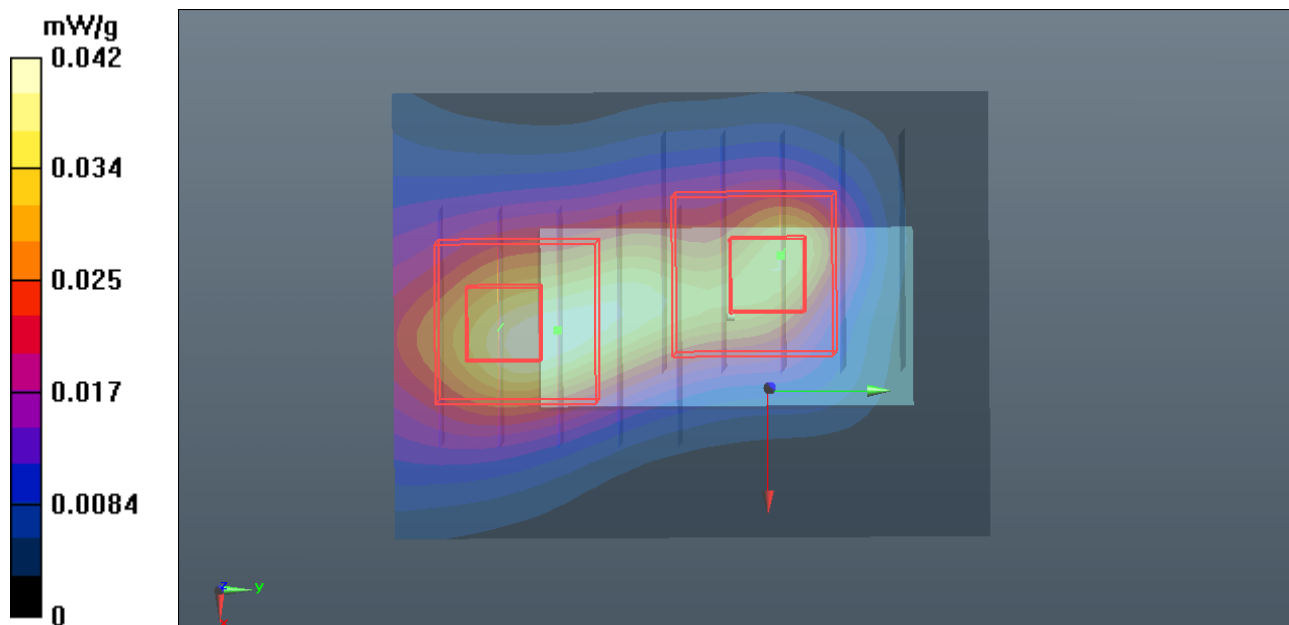
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.684 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.067 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.011 mW/g

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



P03 802.11b_Vertical Front_0.5cm_Ch6

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm

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

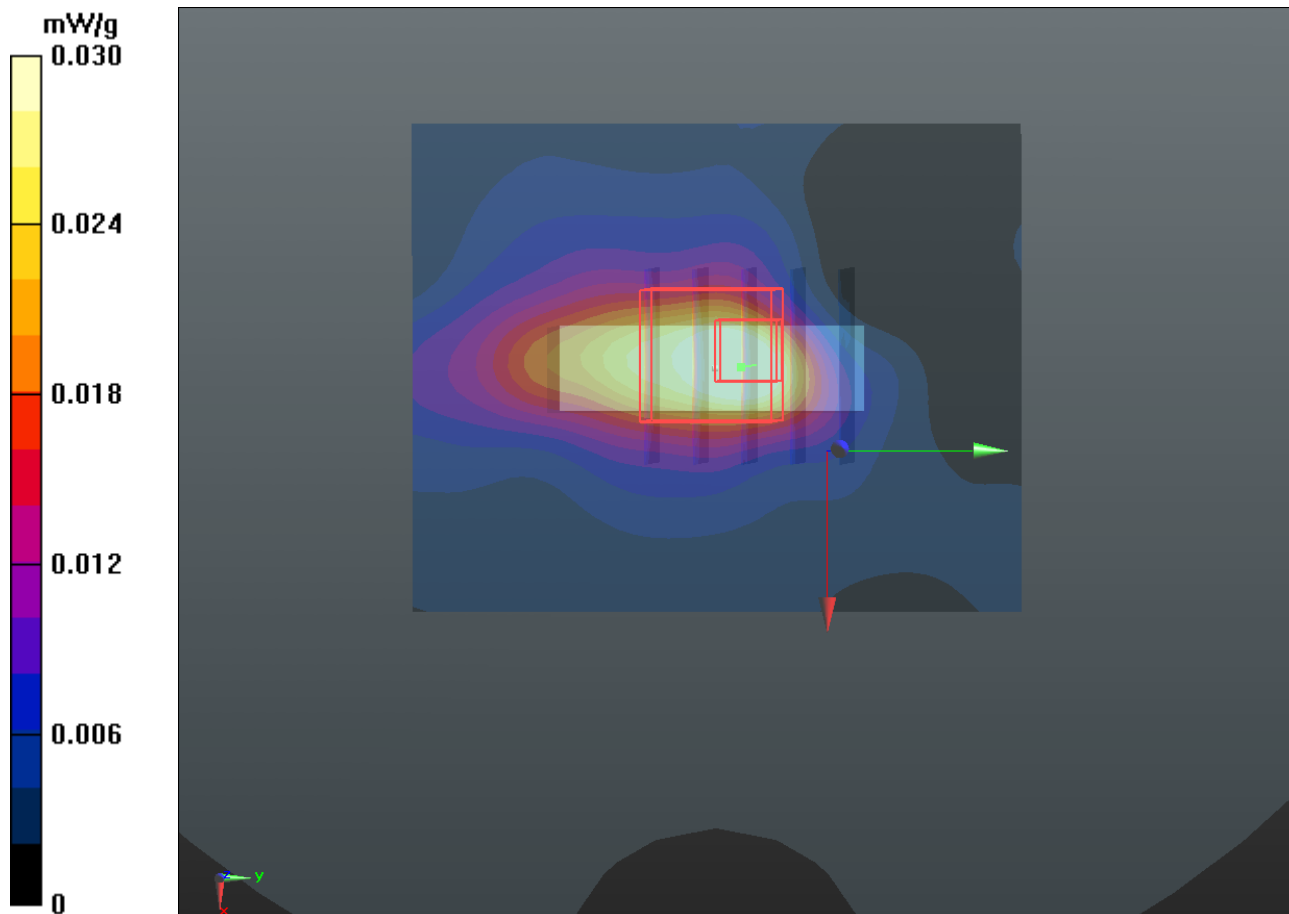
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.571 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00927 mW/g

Maximum value of SAR (measured) = 0.030 mW/g



P04 802.11b_Vertical Back_0.5cm_Ch6

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.021 mW/g

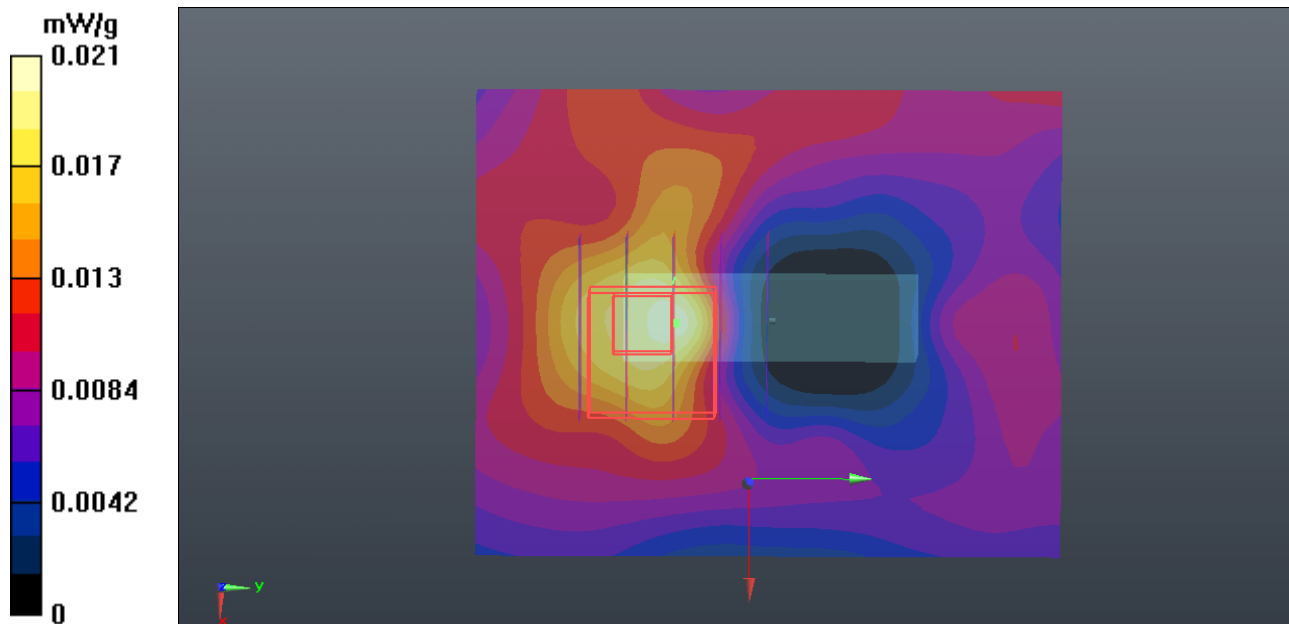
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.991 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00957 mW/g

Maximum value of SAR (measured) = 0.017 mW/g



P05 802.11b_Tip Mode_0.5cm_Ch6

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.012 mW/g

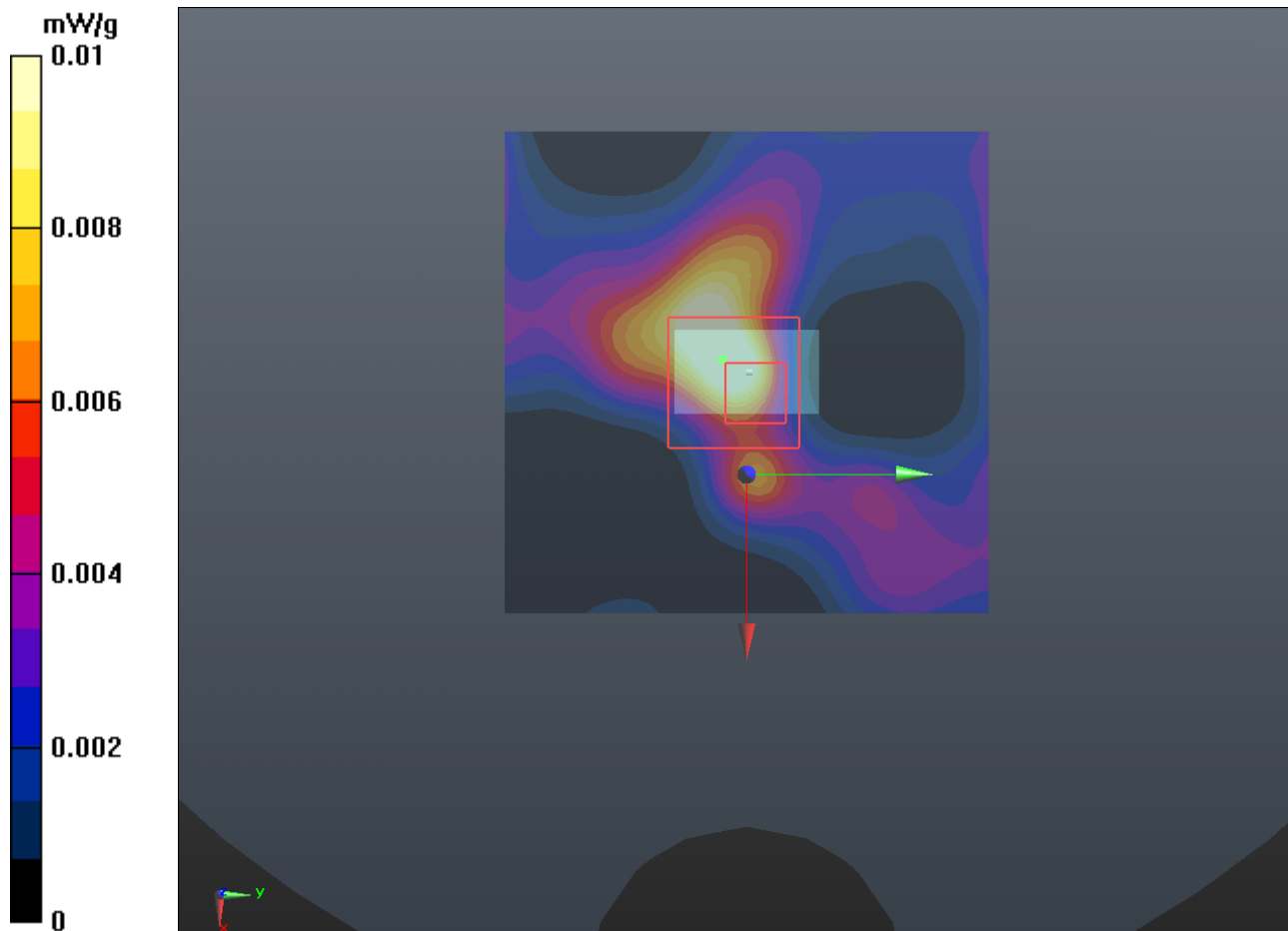
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.667 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.00663 mW/g; SAR(10 g) = 0.00242 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



P06 802.11n_HT20_Horizontal Up_0.5cm_Ch6_Ant 1+2

DUT: 111103C23

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_1224 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.957$ mho/m; $\epsilon_r = 51.142$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.080 mW/g

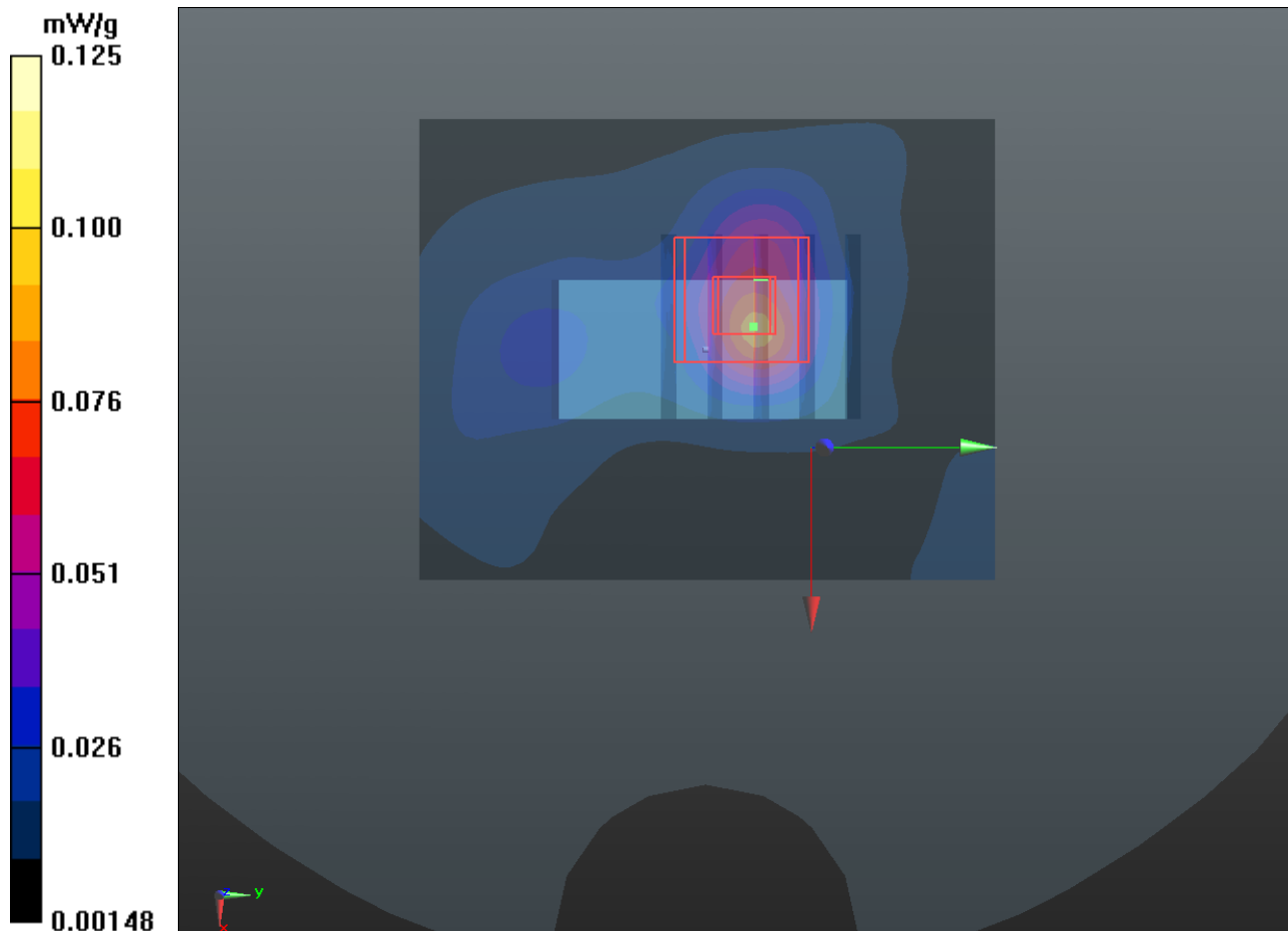
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.123 V/m; Power Drift = -0.156 dB

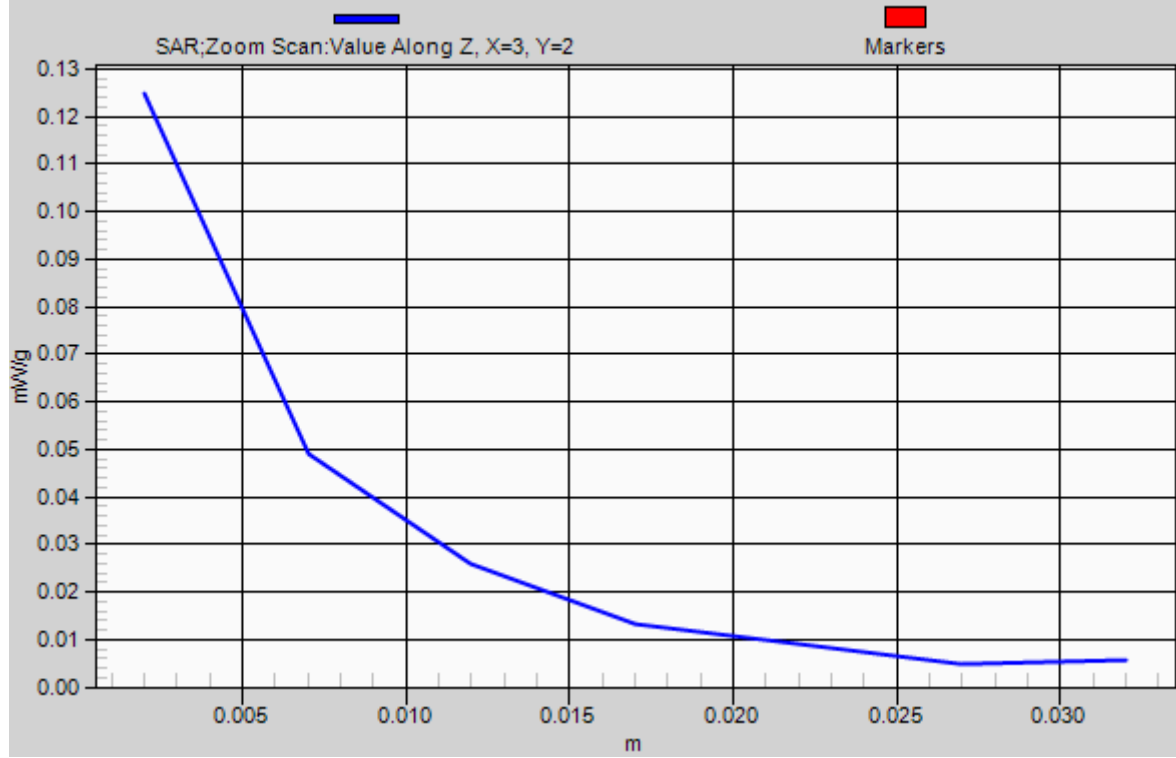
Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.125 mW/g



1g/10g Averaged SAR



P07 802.11n_HT20_Horizontal Down_0.5cm_Ch6_ANT1+2

DUT: 111103C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0217 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.953$ mho/m; $\epsilon_r = 51.364$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch06/Area Scan (31x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.072 mW/g

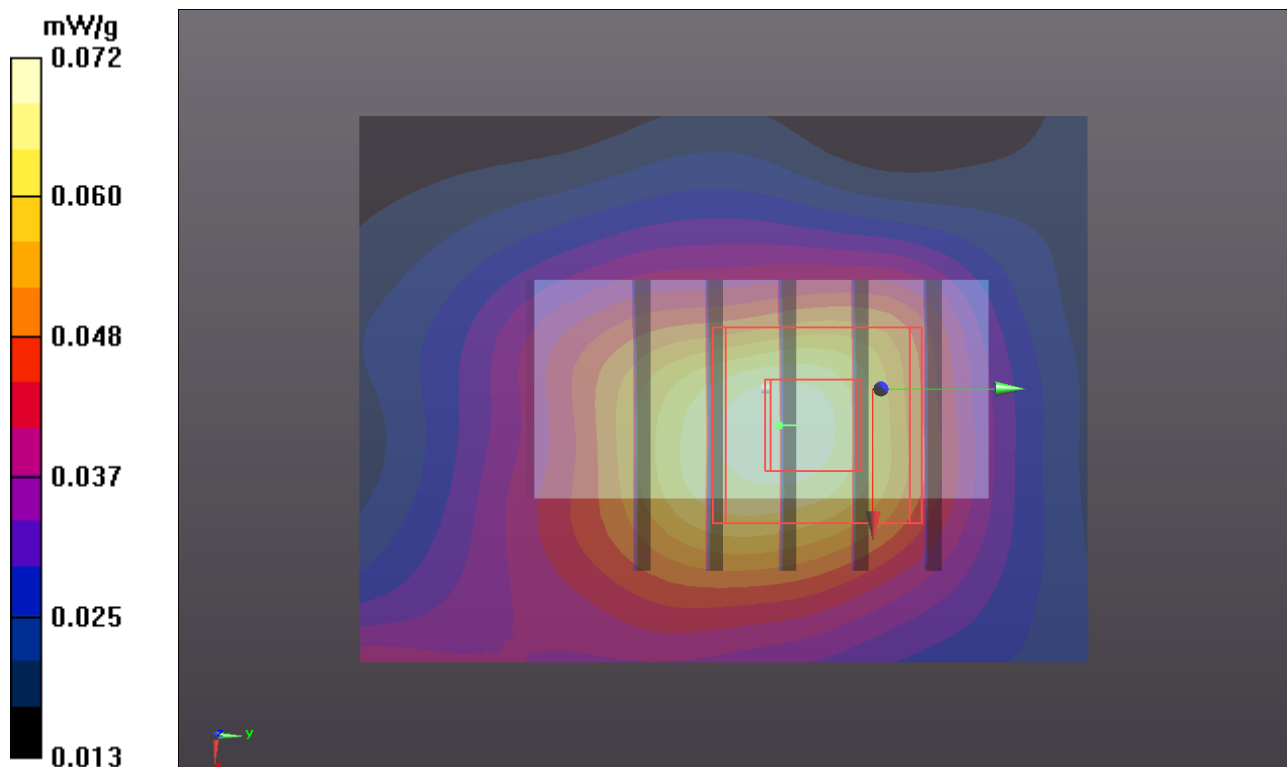
Ch06/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.717 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.1640

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.069 mW/g



P08 802.11n_HT20_Vertical Front_0.5cm_Ch6_ANT1+2

DUT: 111103C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0217 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.953$ mho/m; $\epsilon_r = 51.364$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch06/Area Scan (51x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.019 mW/g

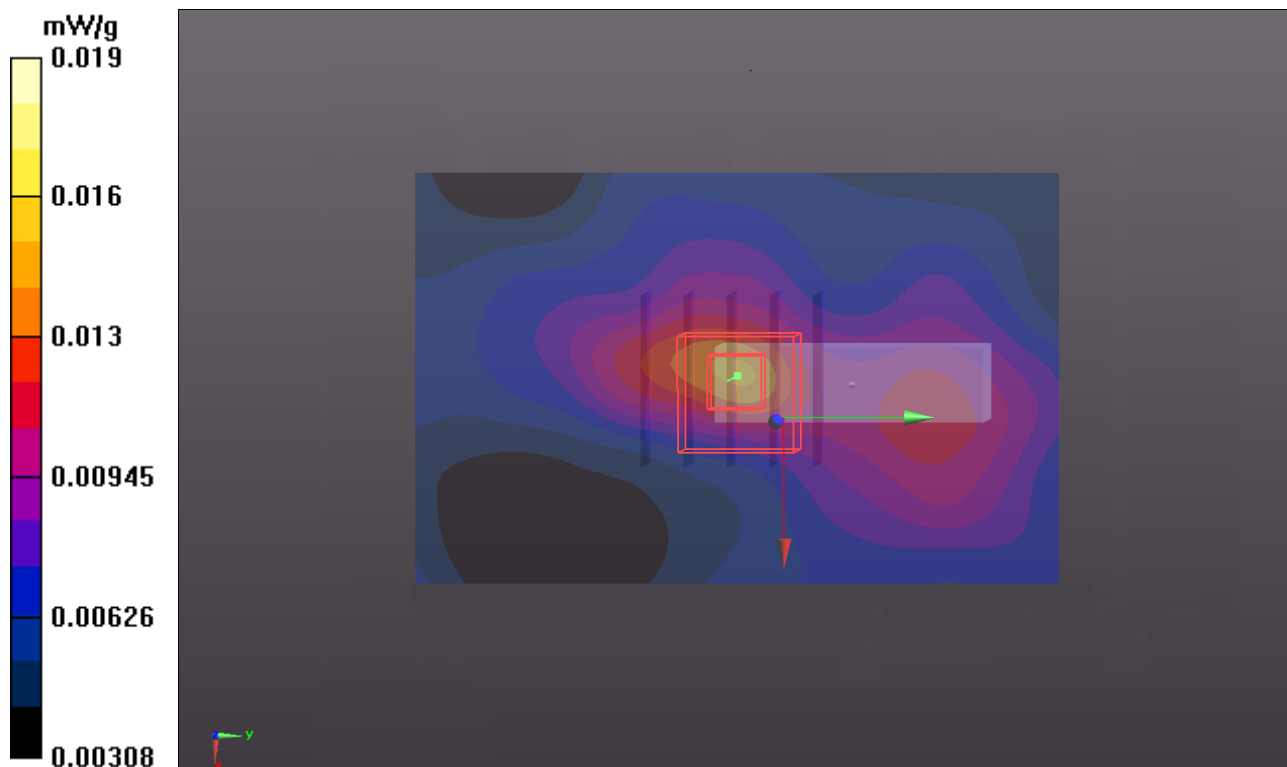
Ch06/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.303 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0220

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00596 mW/g

Maximum value of SAR (measured) = 0.016 mW/g



P09 802.11n_HT20_Veritical Back_0.5cm_Ch6_ANT1+2

DUT: 111103C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0217 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.953$ mho/m; $\epsilon_r = 51.364$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch06/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.061 mW/g

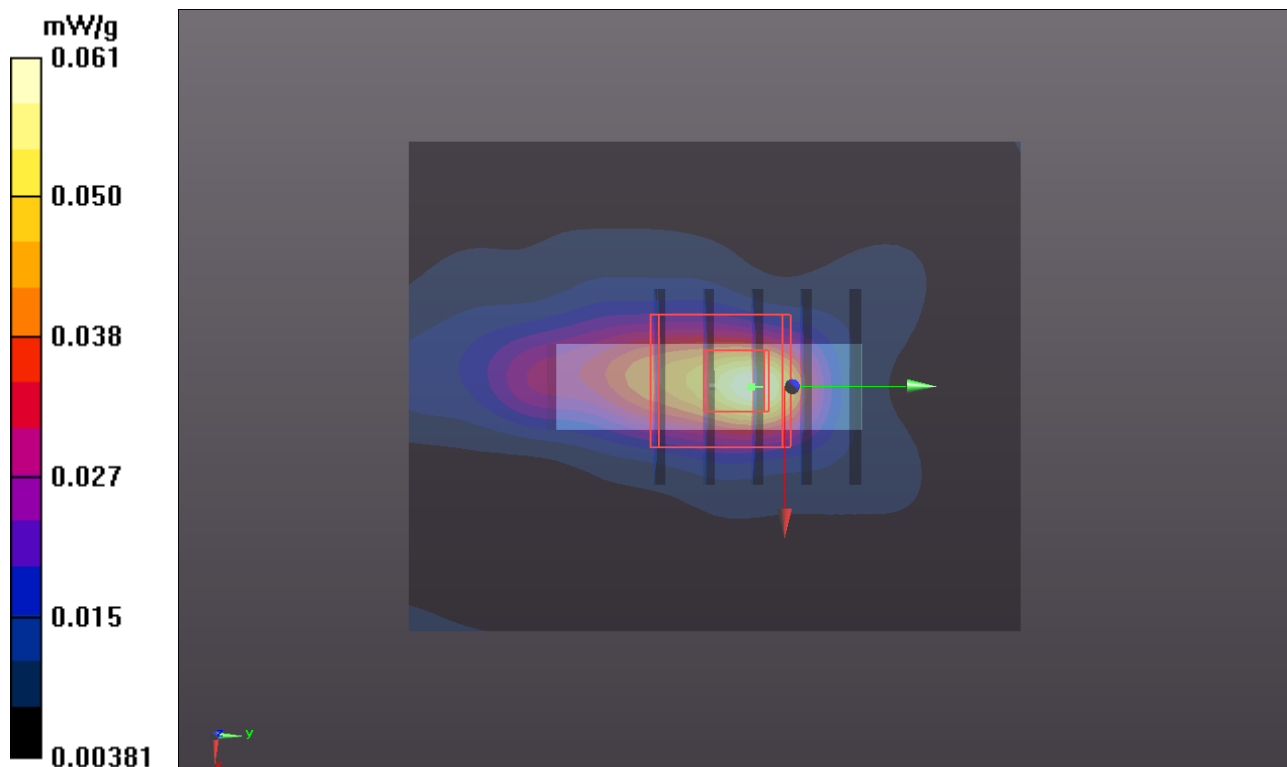
Ch06/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.457 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0970

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.062 mW/g



P10 802.11n_HT20_Tip Mode_0.5cm_Ch6_ANT1+2

DUT: 111103C23

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450_0217 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.953$ mho/m; $\epsilon_r = 51.364$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch06/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.011 mW/g

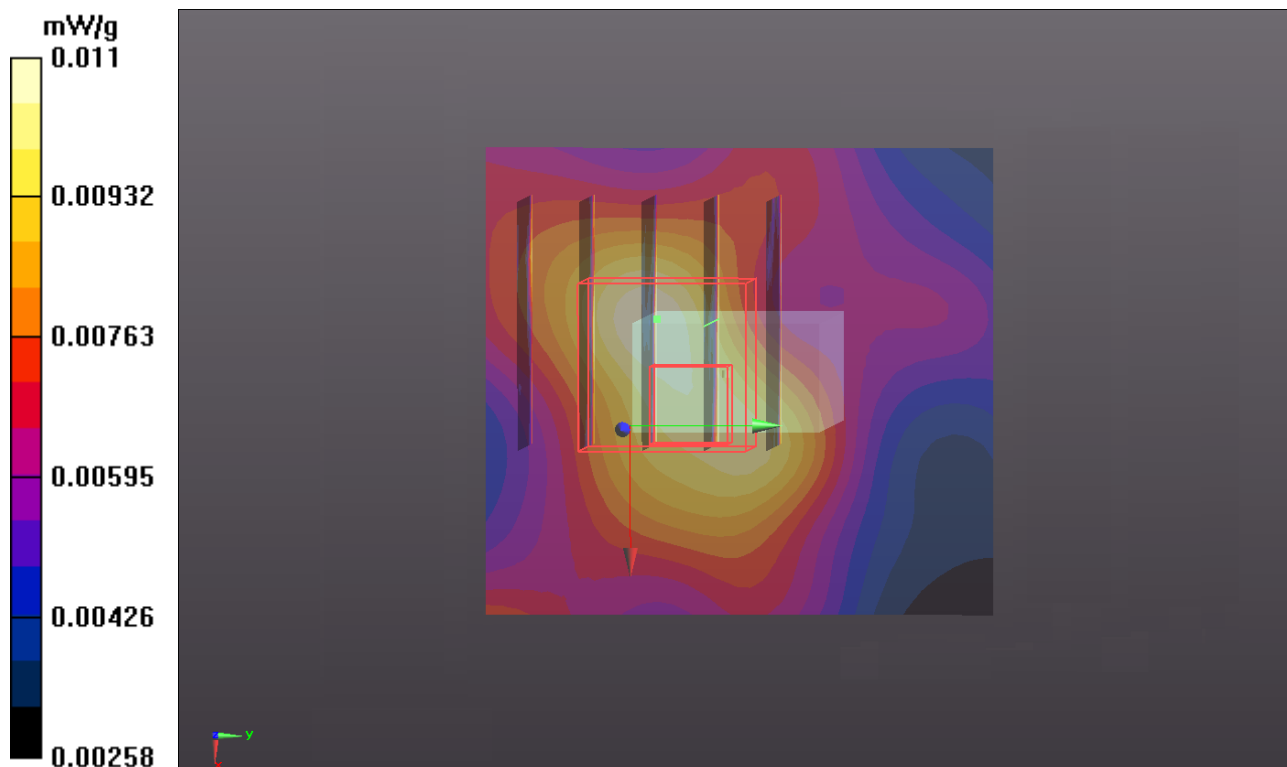
Ch06/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.779 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0260

SAR(1 g) = 0.00985 mW/g; SAR(10 g) = 0.00497 mW/g

Maximum value of SAR (measured) = 0.015 mW/g



P11 802.11a_Horizontal Up_0.5cm_Ch40

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.196$ mho/m; $\epsilon_r = 48.174$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch40/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.286 mW/g

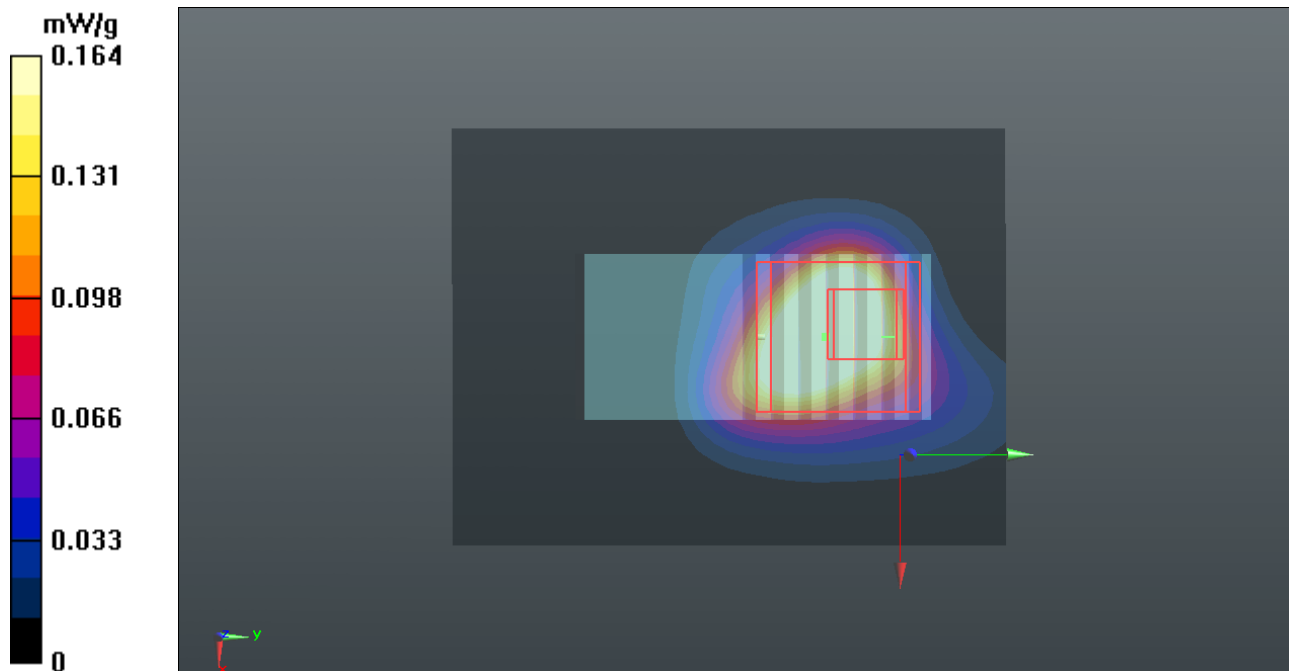
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.440 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.164 mW/g



P12 802.11a_Horizontal Down_0.5cm_Ch40

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.196$ mho/m; $\epsilon_r = 48.174$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch40/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.112 mW/g

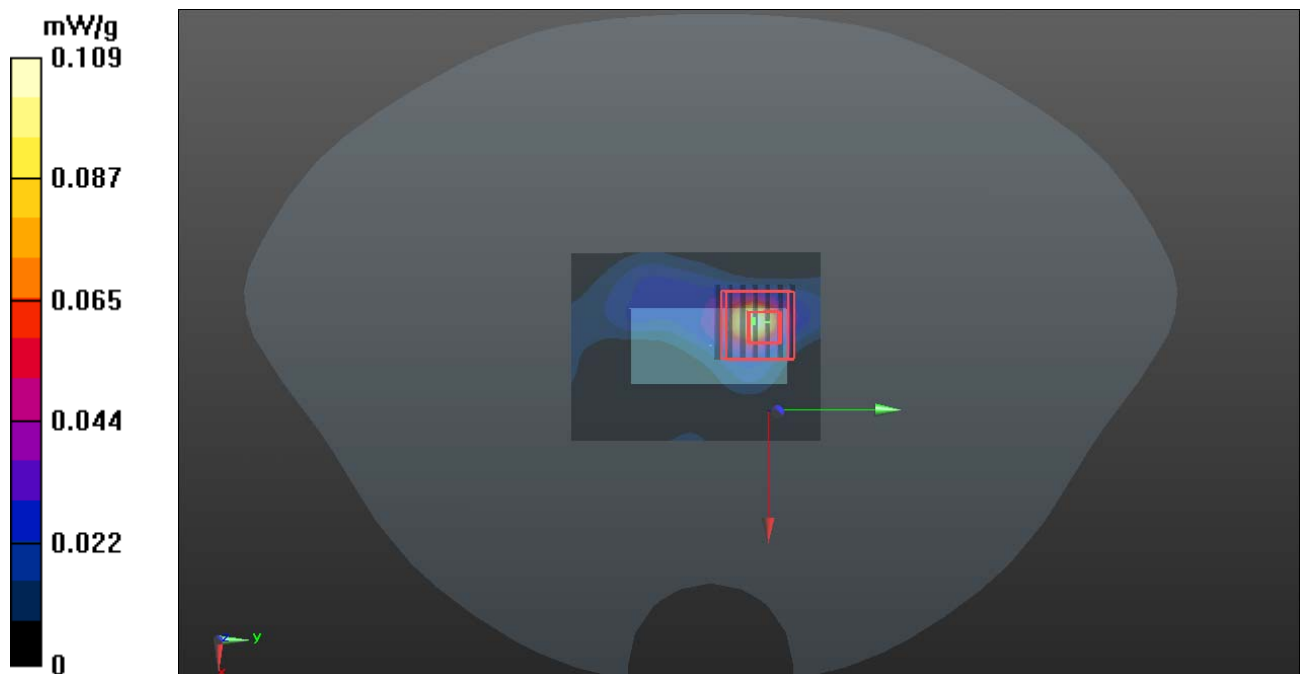
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.474 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.109 mW/g



P13 802.11a_Vertical Front_0.5cm_Ch40

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.196$ mho/m; $\epsilon_r = 48.174$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch40/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.143 mW/g

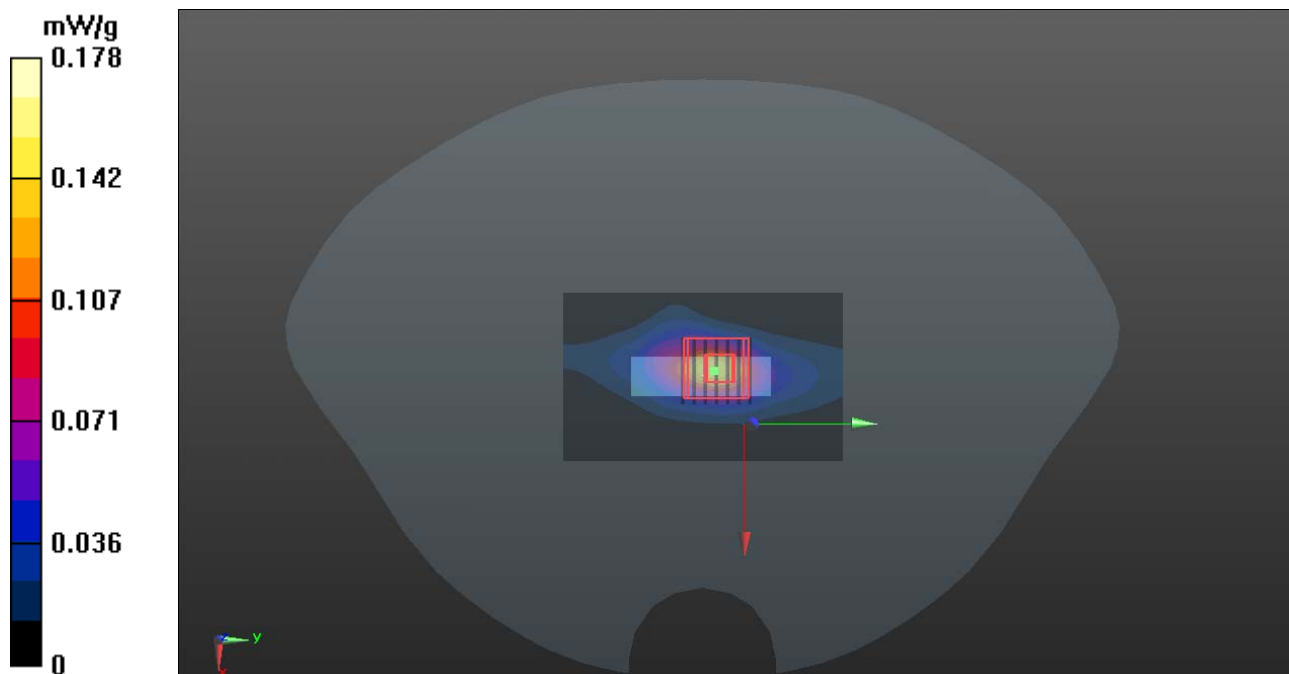
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.882 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.178 mW/g



P14 802.11a_Verical Back_0.5cm_Ch40

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5200 MHz;Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.196$ mho/m; $\epsilon_r = 48.174$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch40/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 2.127 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.049 mW/g

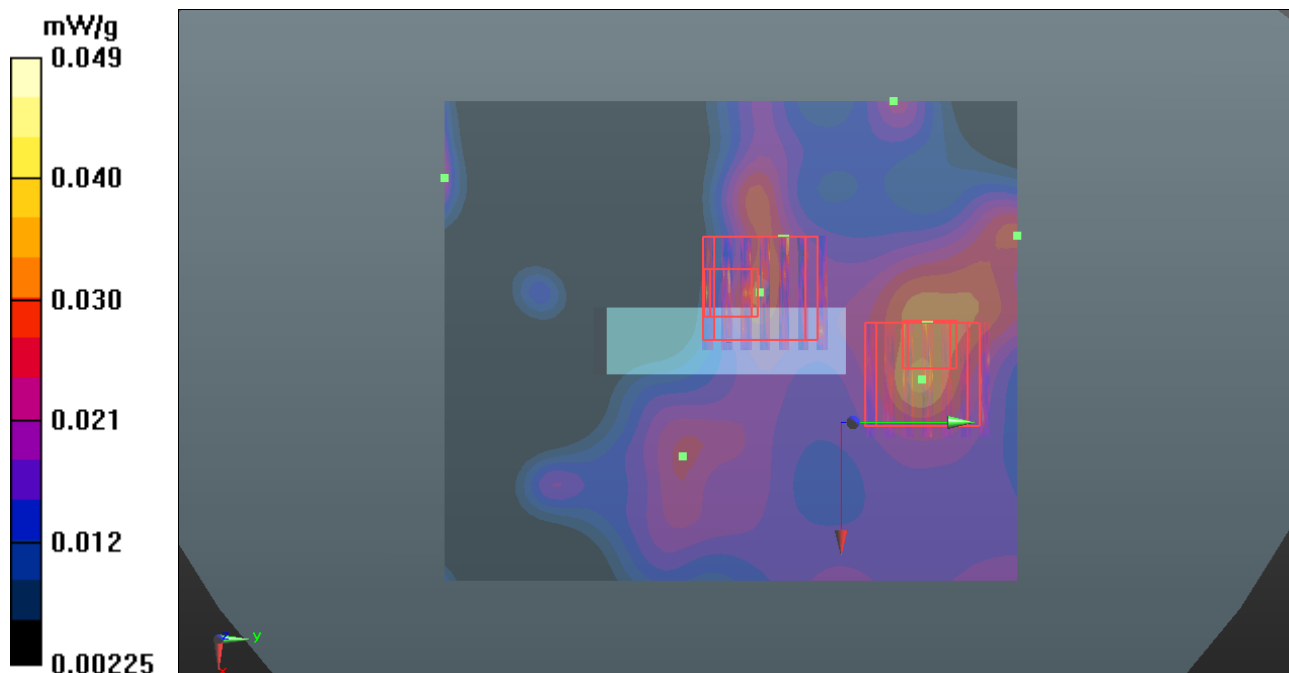
Ch40/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.127 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.076 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.041 mW/g



P15 802.11a_Tip Mode_0.5cm_Ch40

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: B5G_1224 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.228$ mho/m; $\epsilon_r = 49.243$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch40/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.018 mW/g

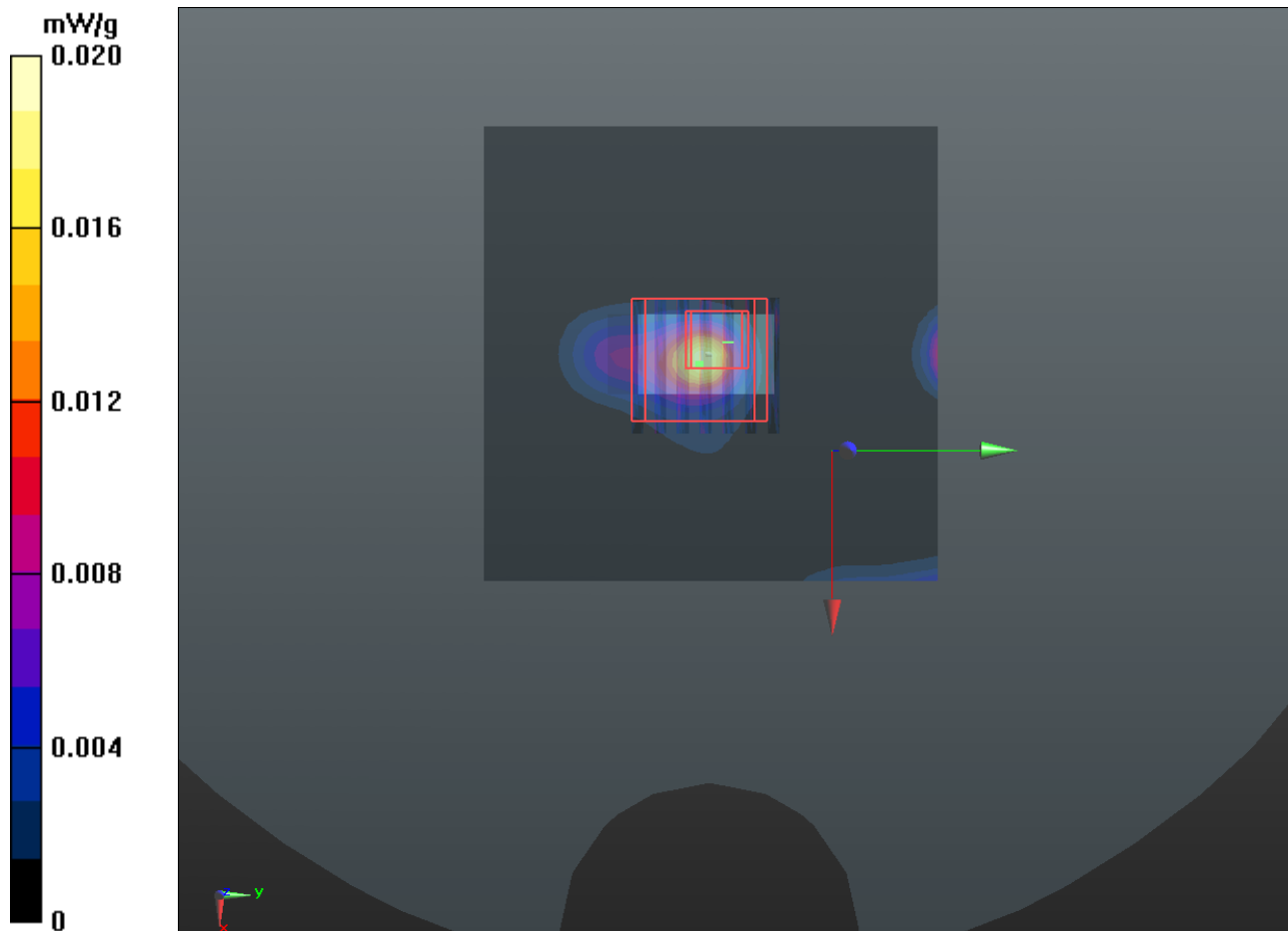
Ch40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.878 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.00695 mW/g; SAR(10 g) = 0.0014 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



P16 802.11n_HT40_Horizontal Up_0.5cm_Ch38_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.159$ mho/m; $\epsilon_r = 47.486$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch38/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.139 mW/g

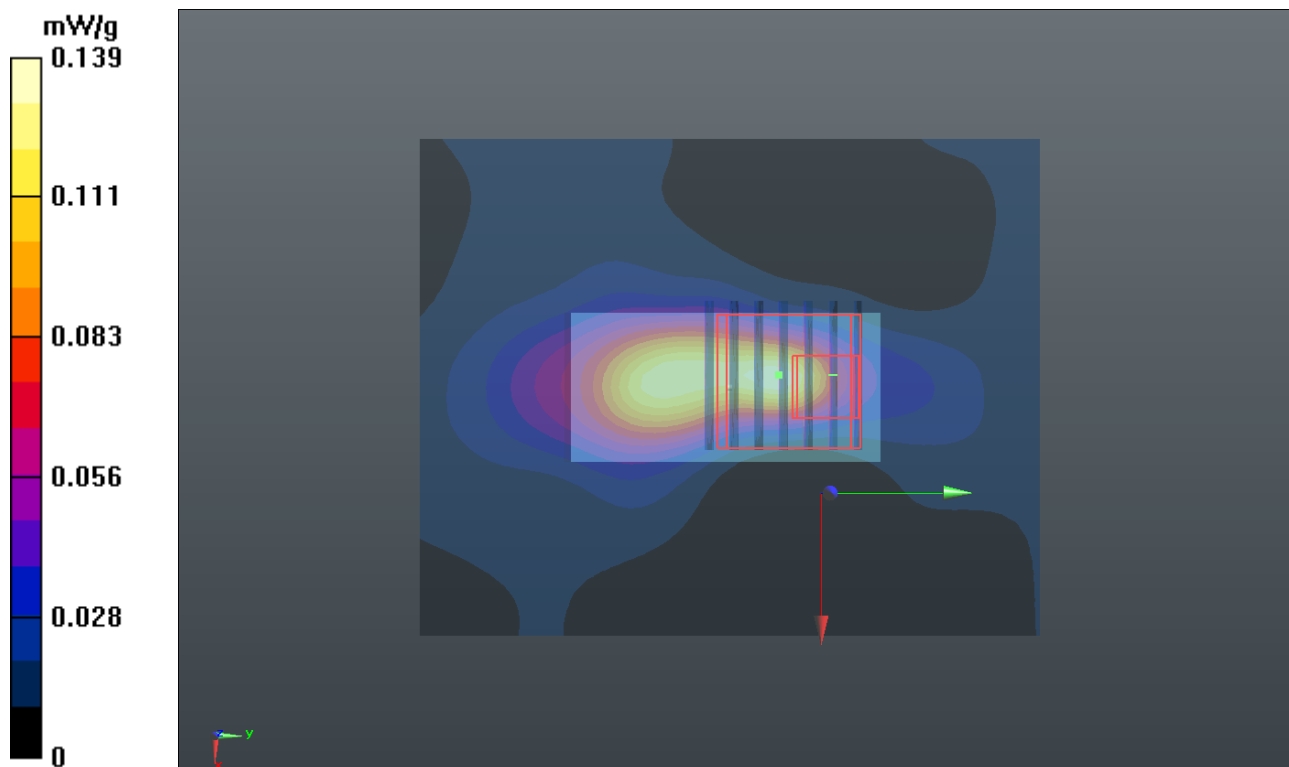
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.077 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.2360

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.024 mW/g

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



P17 802.11n_HT40_Horizontal Down_0.5cm_Ch38_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.159$ mho/m; $\epsilon_r = 47.486$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch38/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

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

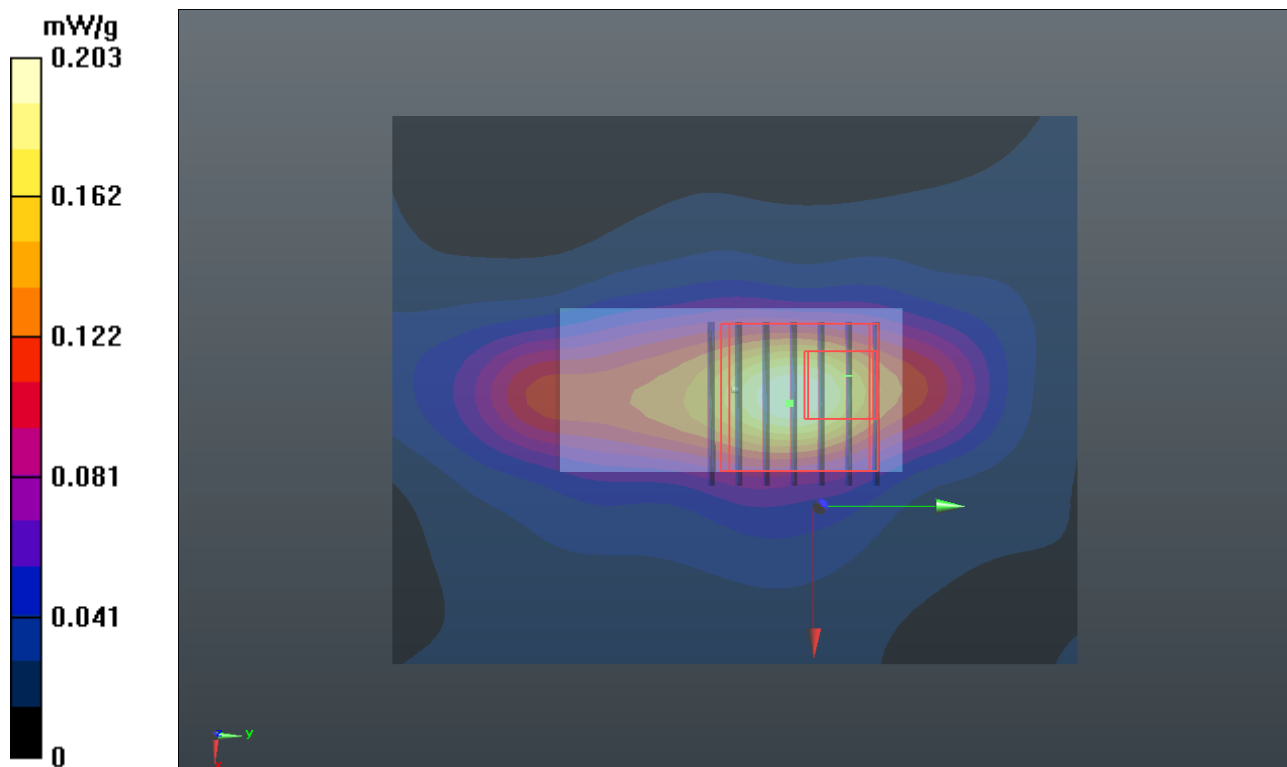
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.855 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.0490

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.281 mW/g



P18 802.11n_HT40_Verical Front_0.5cm_Ch38_Ant 1+2

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G_1224 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.216$ mho/m; $\epsilon_r = 49.258$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch38/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.077 mW/g

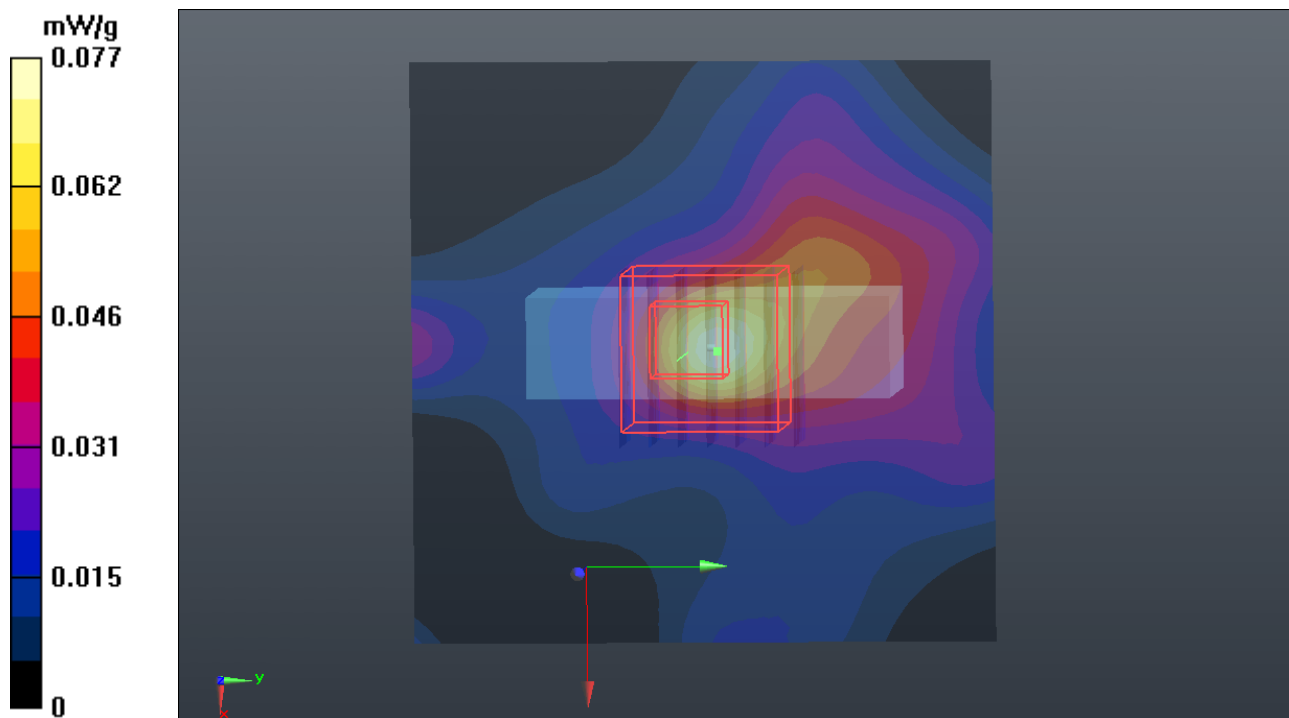
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.332 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00961 mW/g

Maximum value of SAR (measured) = 0.057 mW/g



P19 802.11n_HT40_Vertical Back_0.5cm_Ch38_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.159$ mho/m; $\epsilon_r = 47.486$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch38/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

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

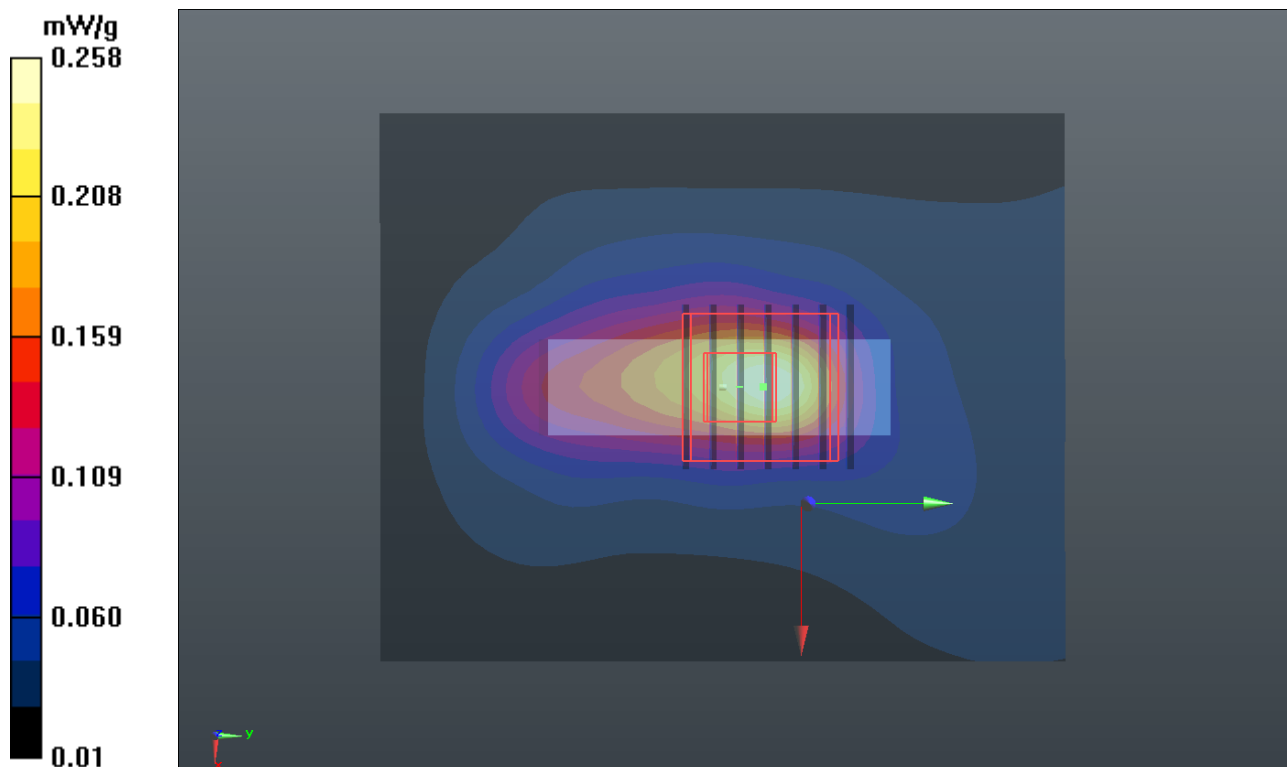
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.700 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.5090

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.056 mW/g

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



P20 802.11n_HT40_Tip Mode_0.5cm_Ch38_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5190$ MHz; $\sigma = 5.159$ mho/m; $\epsilon_r = 47.486$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.28, 4.28, 4.28); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch38/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

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

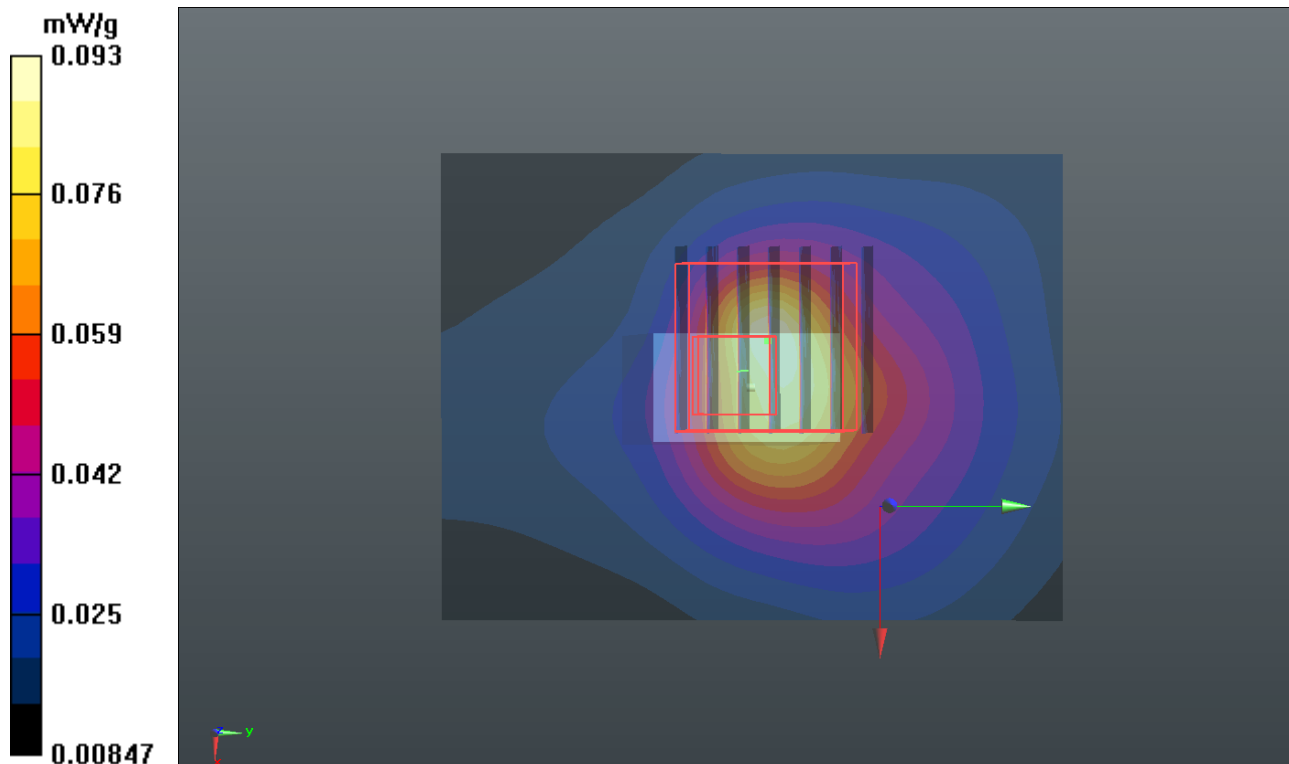
Ch38/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.633 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.2640

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.111 mW/g



P21 802.11a_Horizontal Up_0.5cm_Ch157

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 47.485$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.565 mW/g

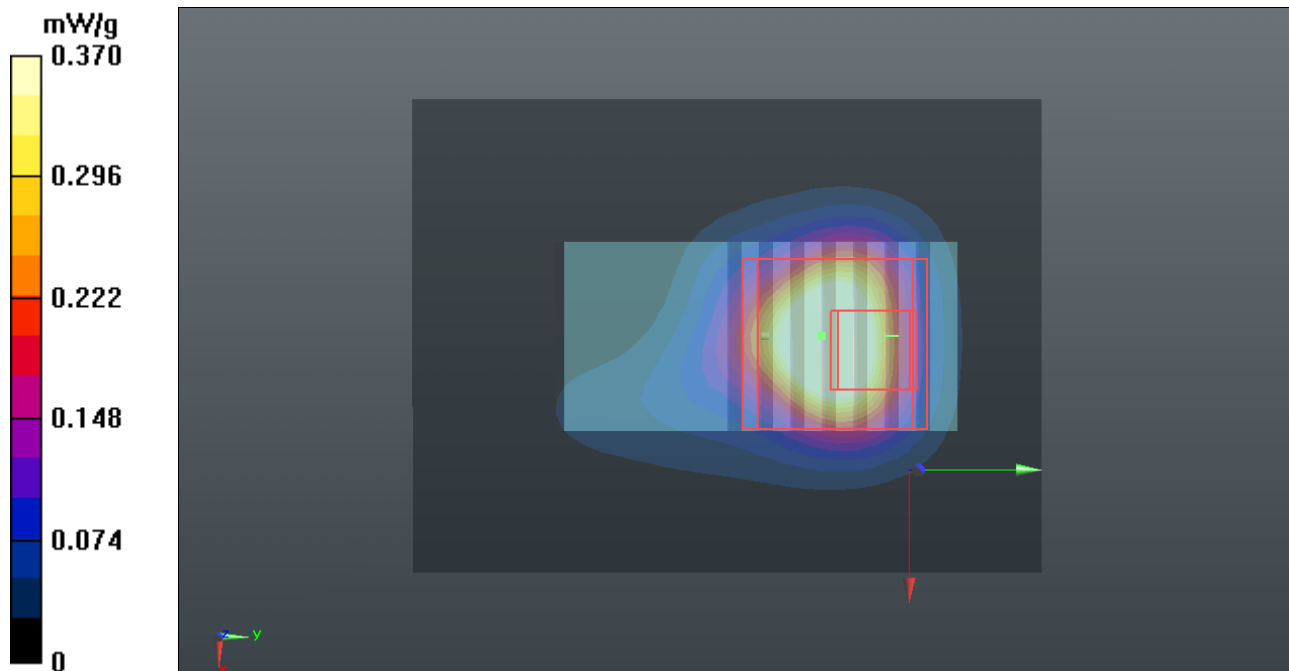
Ch157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.581 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.043 mW/g

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



P22 802.11a_Horizontal Down_0.5cm_Ch157

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B5G_1224 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.207$ mho/m; $\epsilon_r = 48.416$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.264 mW/g

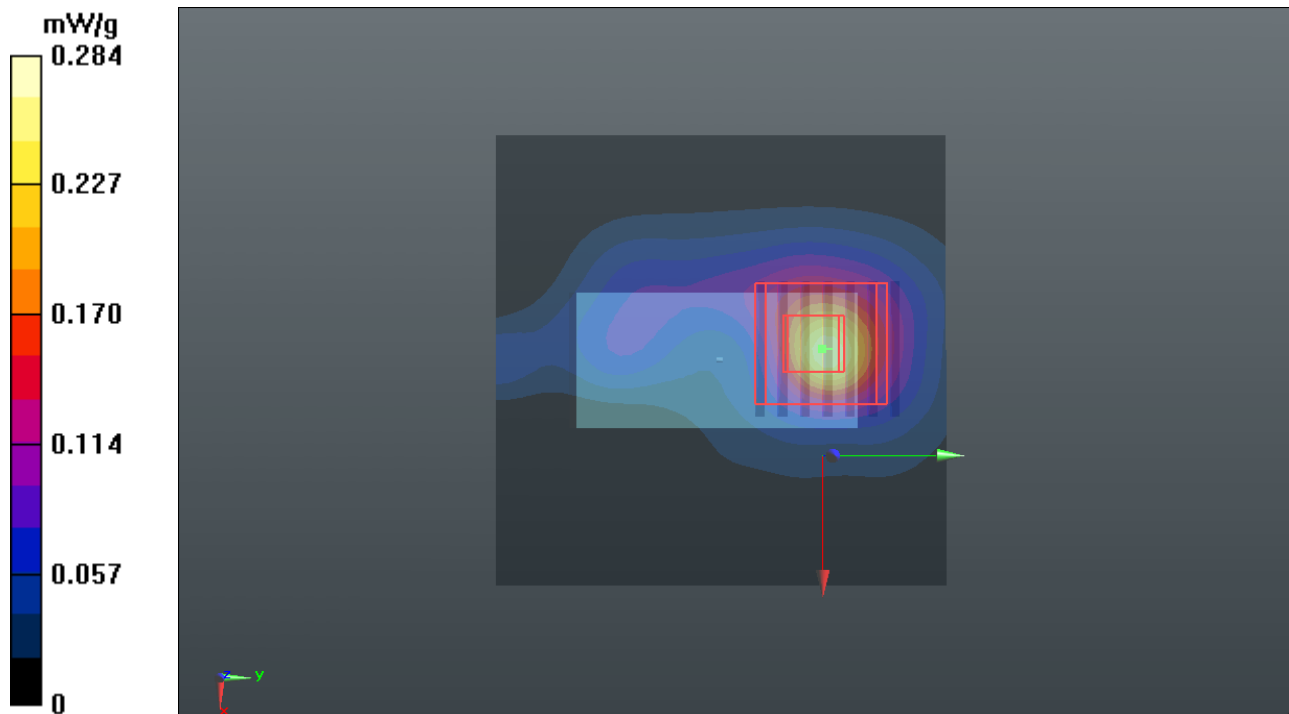
Ch157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.471 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.284 mW/g



P23 802.11a_Vertical Front_0.5cm_Ch157

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 47.485$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.325 mW/g

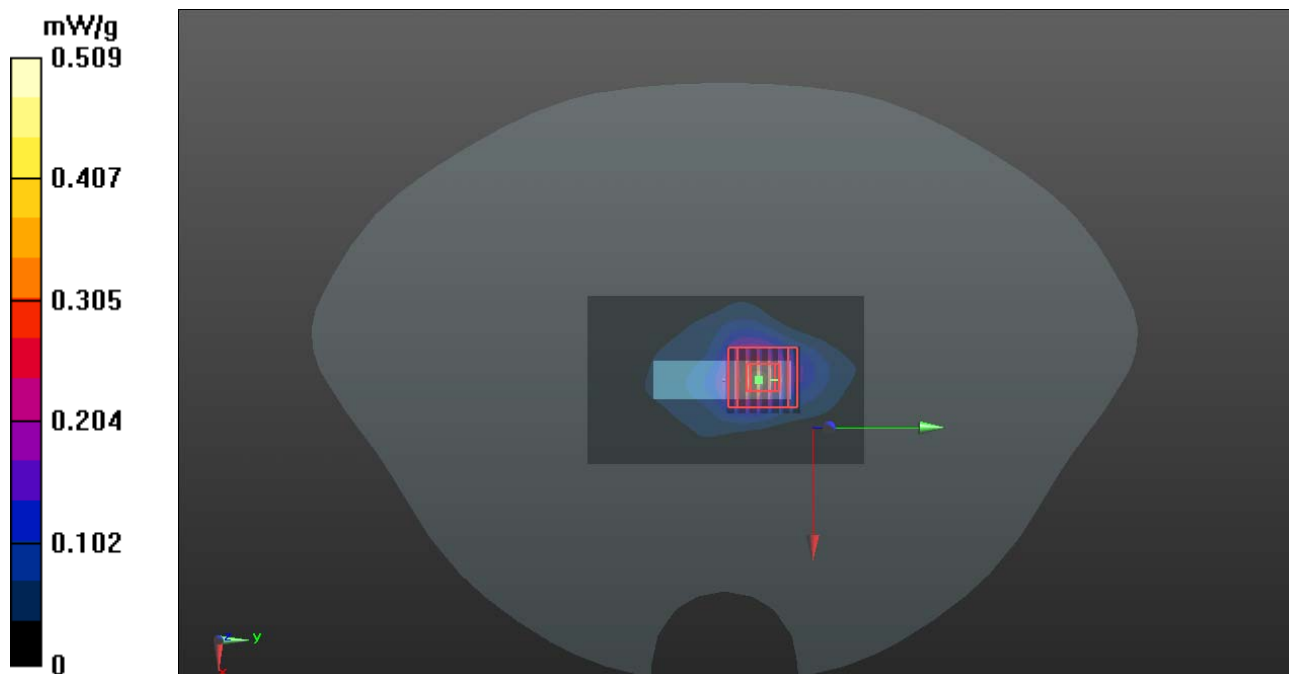
Ch157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.391 V/m; Power Drift = -0.13 dB

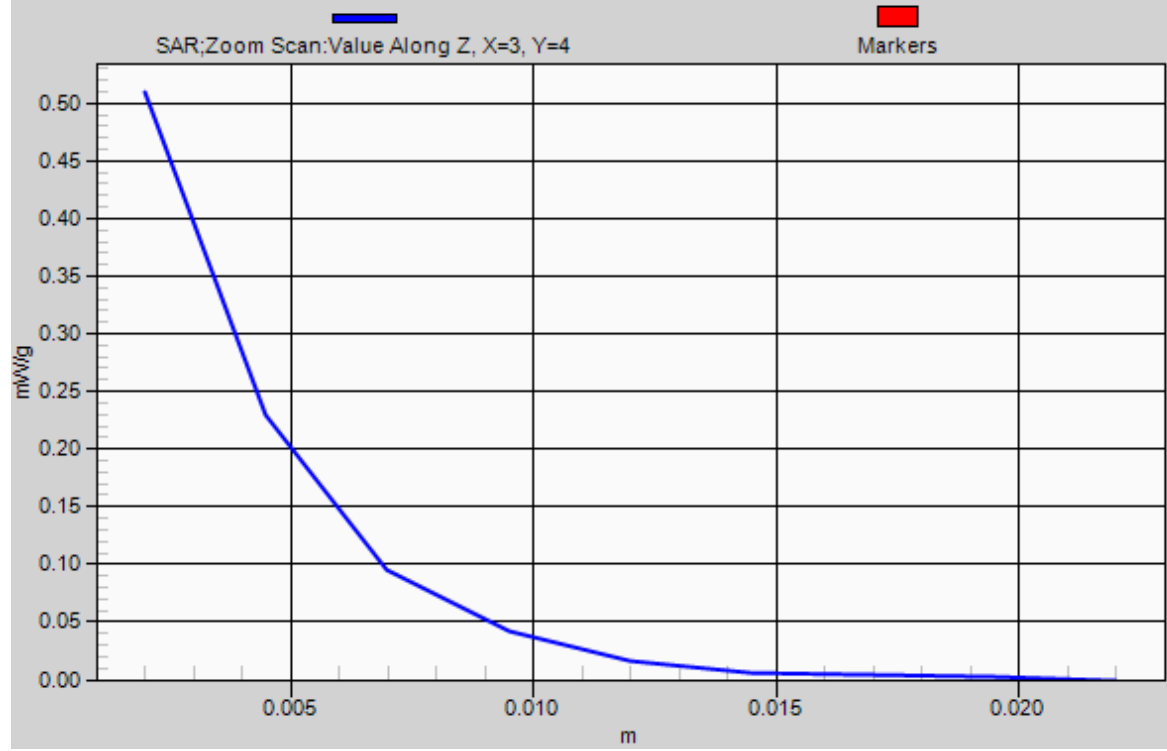
Peak SAR (extrapolated) = 1.002 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.509 mW/g



1g/10g Averaged SAR



P24 802.11a_Verical Back_0.5cm_Ch157

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B5G_1222 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.28$ mho/m; $\epsilon_r = 47.485$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (141x161x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.142 mW/g

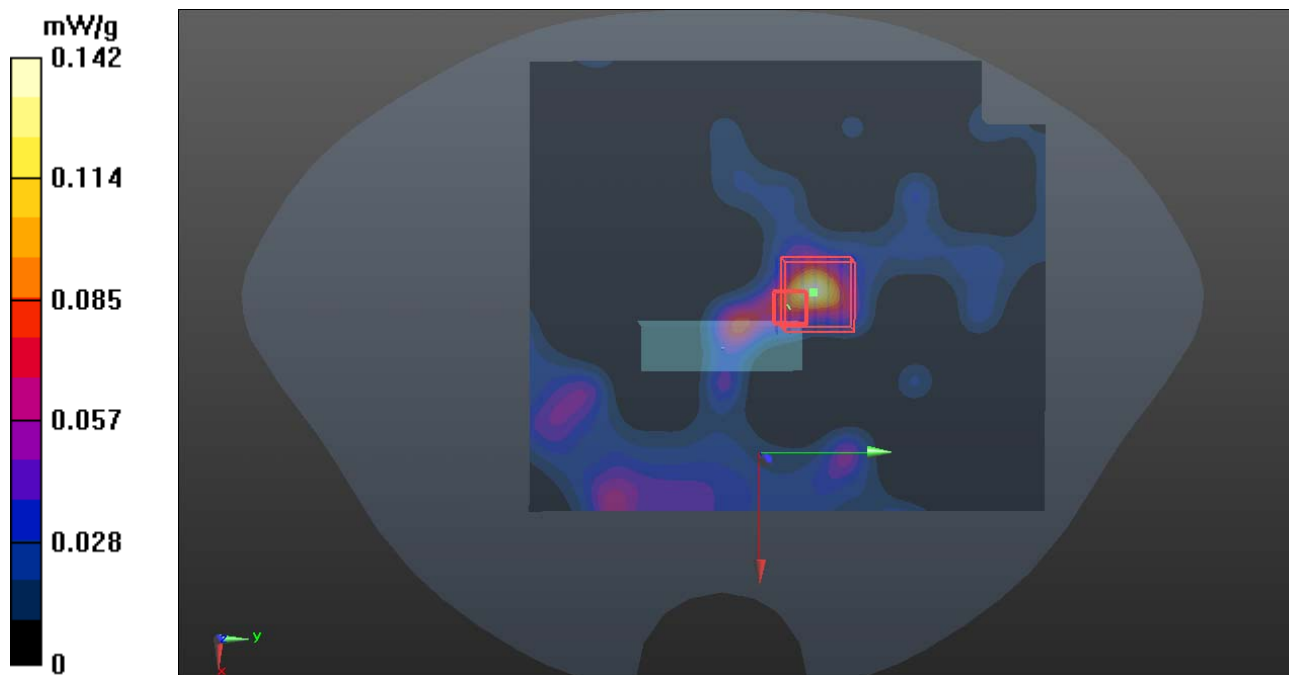
Ch157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.964 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.076 mW/g



P25 802.11a_Tip Mode_0.5cm_Ch157

DUT: 111103C23

Communication System: WLAN 5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B5G_1224 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.207$ mho/m; $\epsilon_r = 48.416$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom_Front; Type: SAM; Serial: TP-1485
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=0mm

Maximum value of SAR (interpolated) = 0.165 mW/g

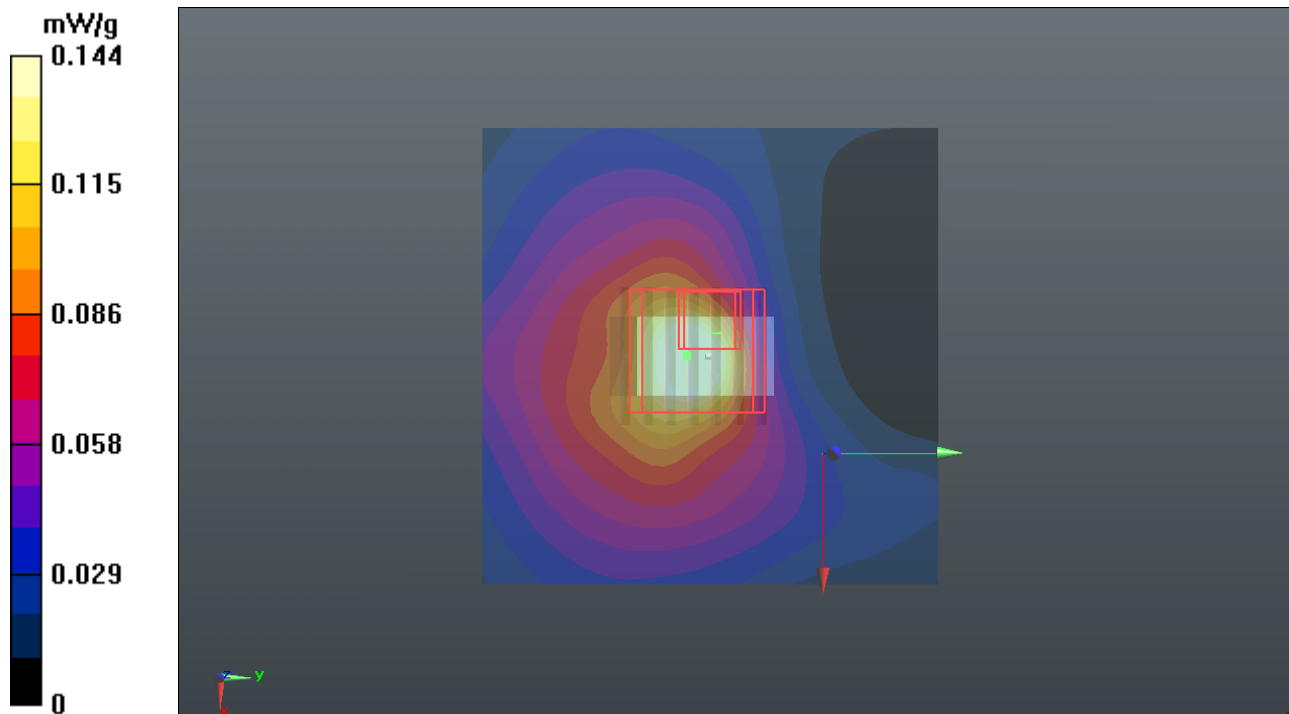
Ch157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.677 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.144 mW/g



P26 802.11n_HT20_Horizontal Up_0.5cm_Ch165_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.285$ mho/m; $\epsilon_r = 46.493$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch165/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

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

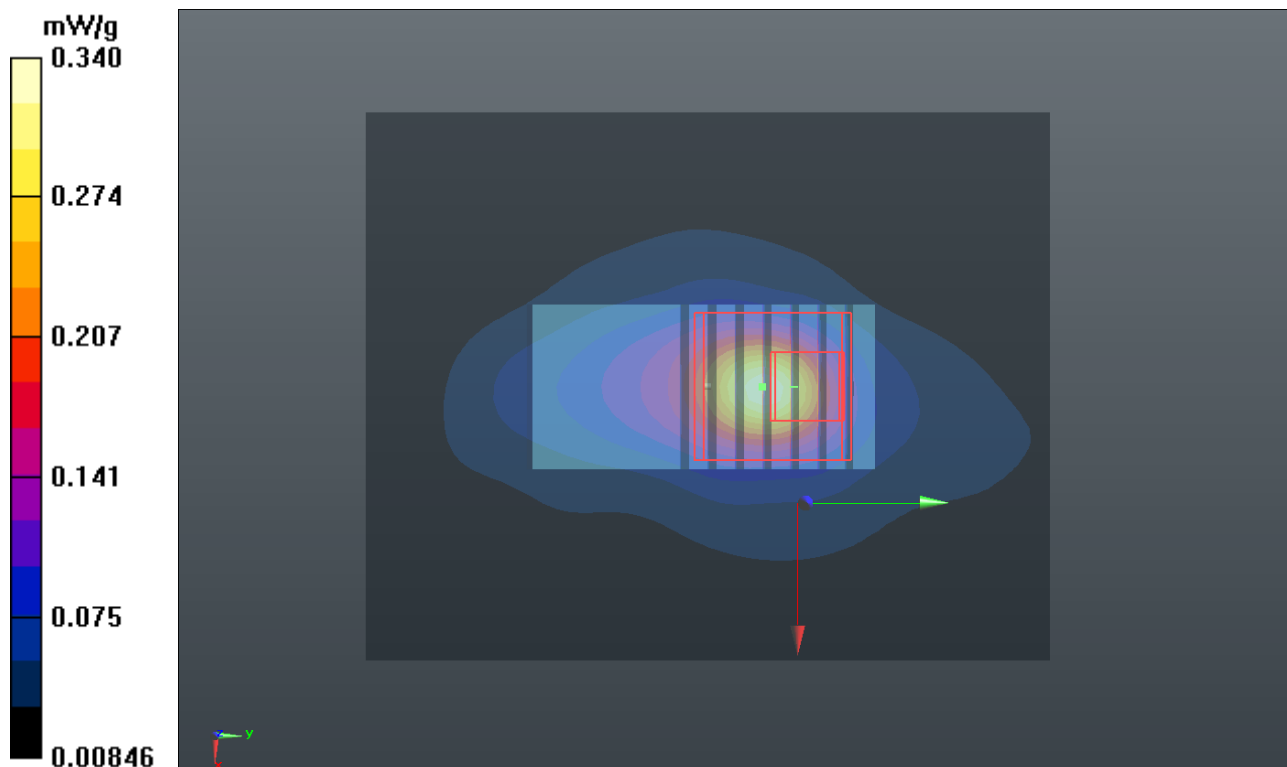
Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.753 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.6310

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.054 mW/g

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



P27 802.11n_HT20_Horizontal Down_0.5cm_Ch165_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.285$ mho/m; $\epsilon_r = 46.493$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch165/Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.129 mW/g

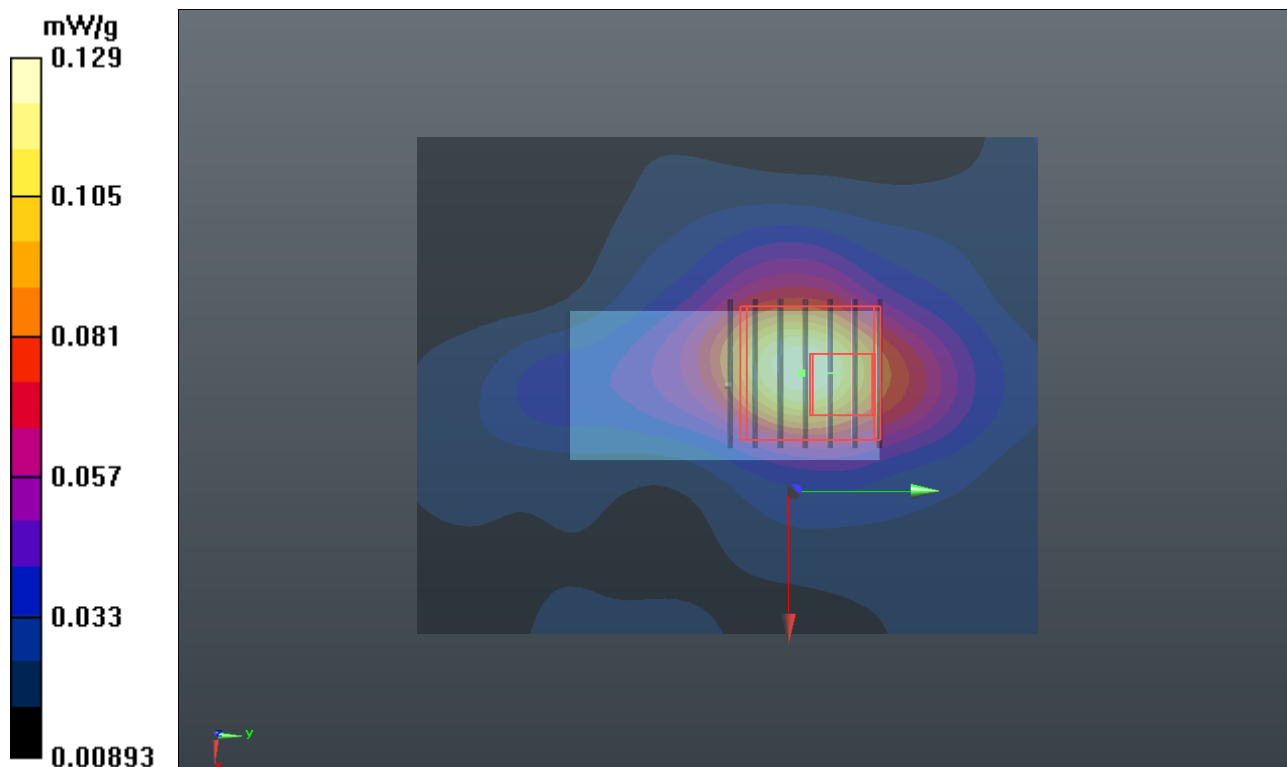
Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.020 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.3390

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.186 mW/g



P28 802.11n_HT20_Verical Front_0.5cm_Ch165_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_1228 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.018 \text{ mho/m}$; $\epsilon_r = 47.06$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.55, 4.55, 4.55); Calibrated: 2011/02/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch165/Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

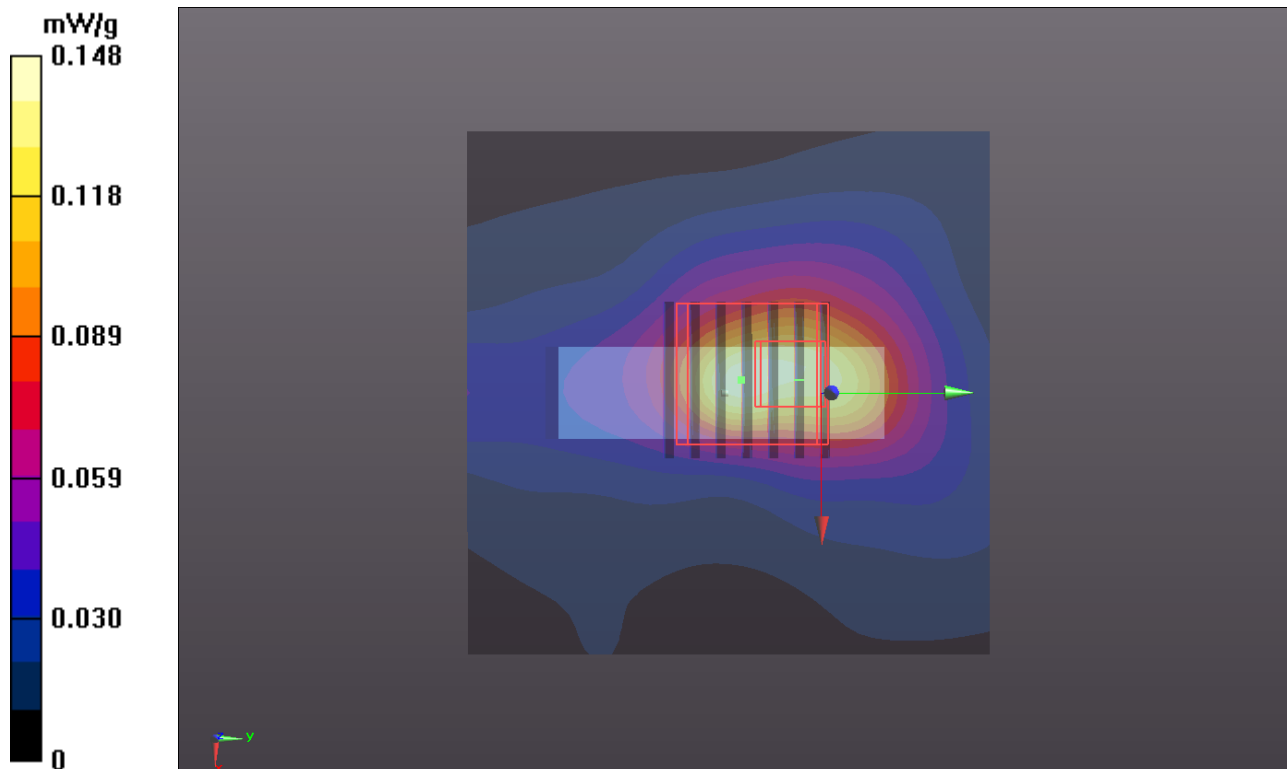
Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 6.294 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.2830

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



P29 802.11n_HT20_Verical Back_0.5cm_Ch165_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.285$ mho/m; $\epsilon_r = 46.493$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch165/Area Scan (41x51x1): Measurement grid: dx=20mm, dy=20mm

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

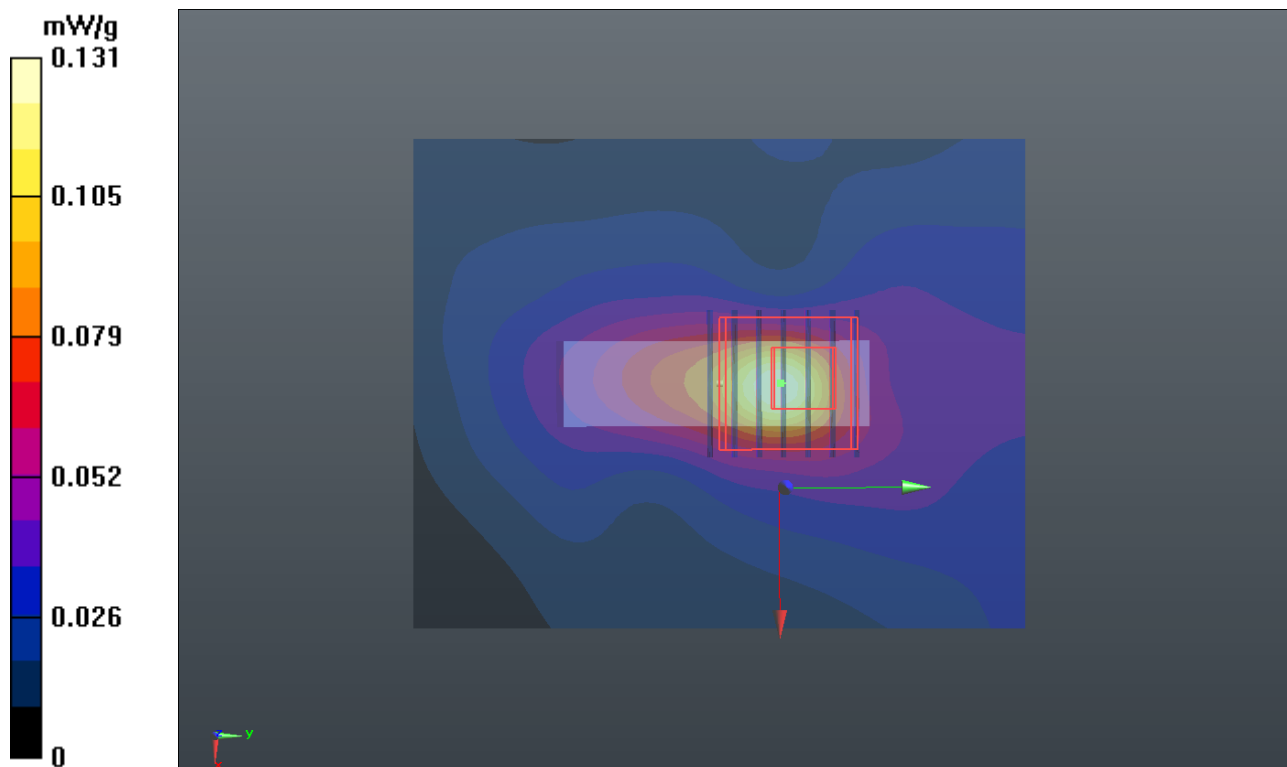
Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.323 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.4400

SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.126 mW/g



P30 802.11n_HT20_Tip Mode_0.5cm_Ch165_ANT1+2

DUT: 111103C23

Communication System: WLAN_5G; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: B5G_0218 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.285$ mho/m; $\epsilon_r = 46.493$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(3.81, 3.81, 3.81); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

Ch165/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.081 mW/g

Ch165/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.235 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 0.2240

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.116 mW/g

