

P01 802.11b_Horizontal-Up_0.5cm_Ch6**DUT: WPP20**

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

Medium: B2450_0529 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 53.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.83, 7.83, 7.83); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (41x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

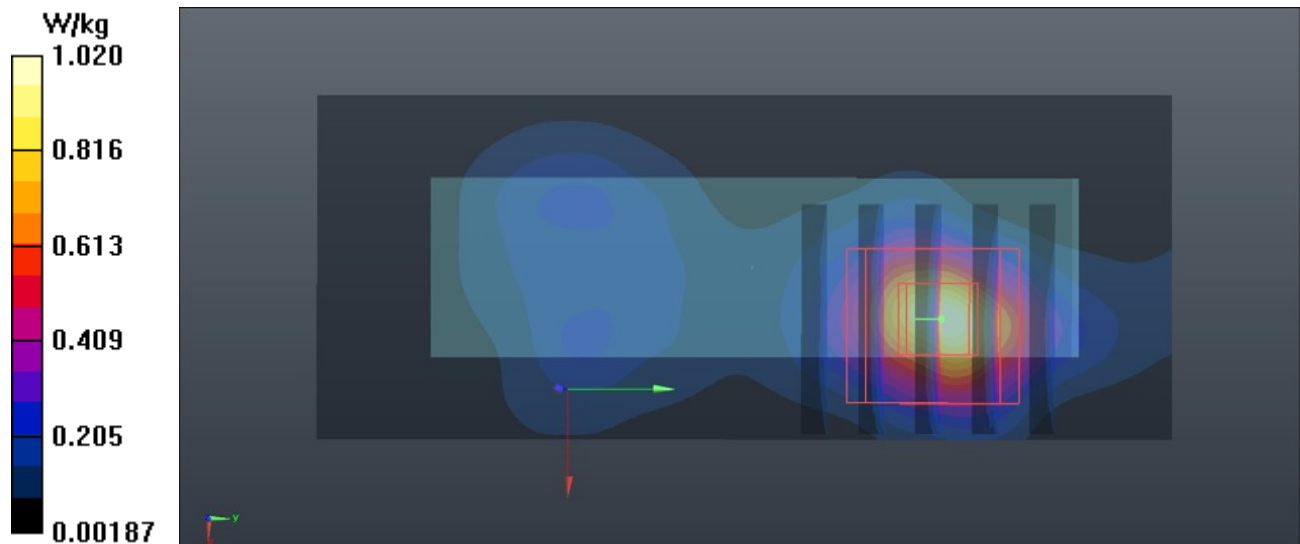
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.582 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.889 W/kg



P02 802.11b_Horizontal-Down_0.5cm_Ch6**DUT: WPP20**

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

Medium: B2450_0529 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 53.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.83, 7.83, 7.83); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (41x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.960 W/kg

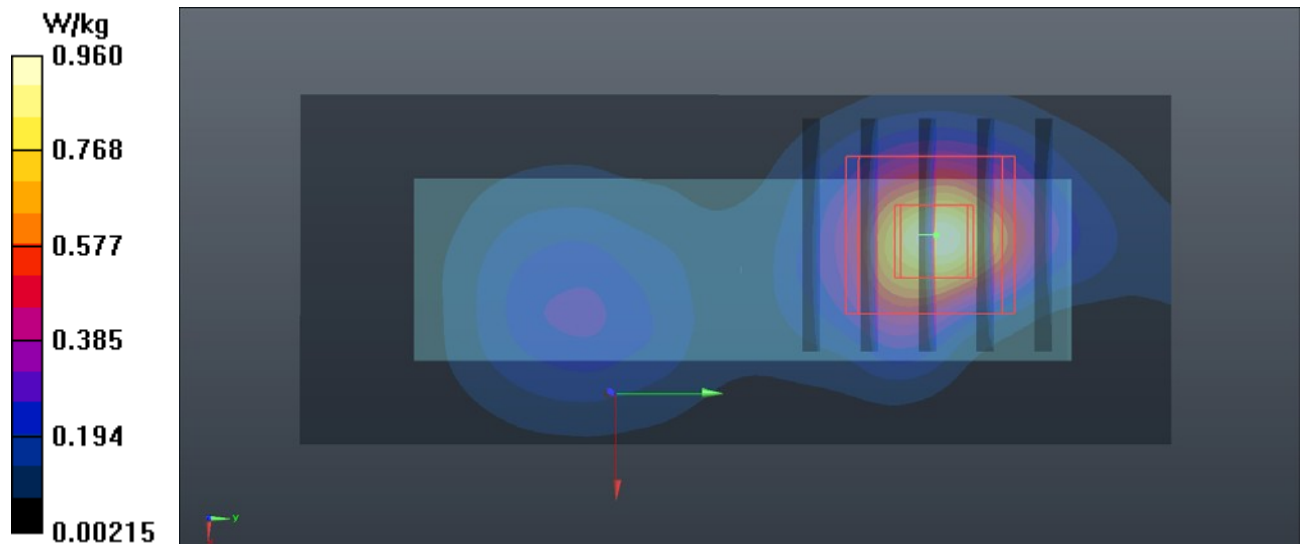
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.720 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.890 W/kg



P03 802.11b_Vertical-Front_0.5cm_Ch6**DUT: WPP20**

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

Medium: B2450_0529 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 53.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.83, 7.83, 7.83); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (41x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

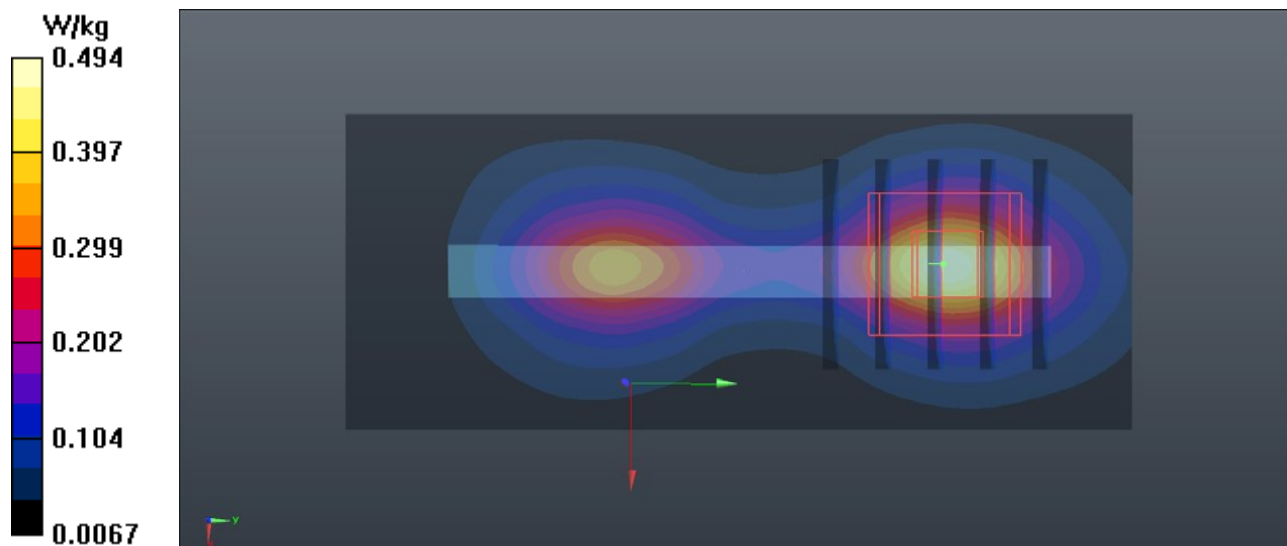
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.738 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.130 W/kg

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



P04 802.11b_Vertical-Back_0.5cm_Ch6

DUT: WPP20

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

Medium: B2450_0529 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.007$ S/m; $\epsilon_r = 53.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.83, 7.83, 7.83); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (41x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.203 W/kg

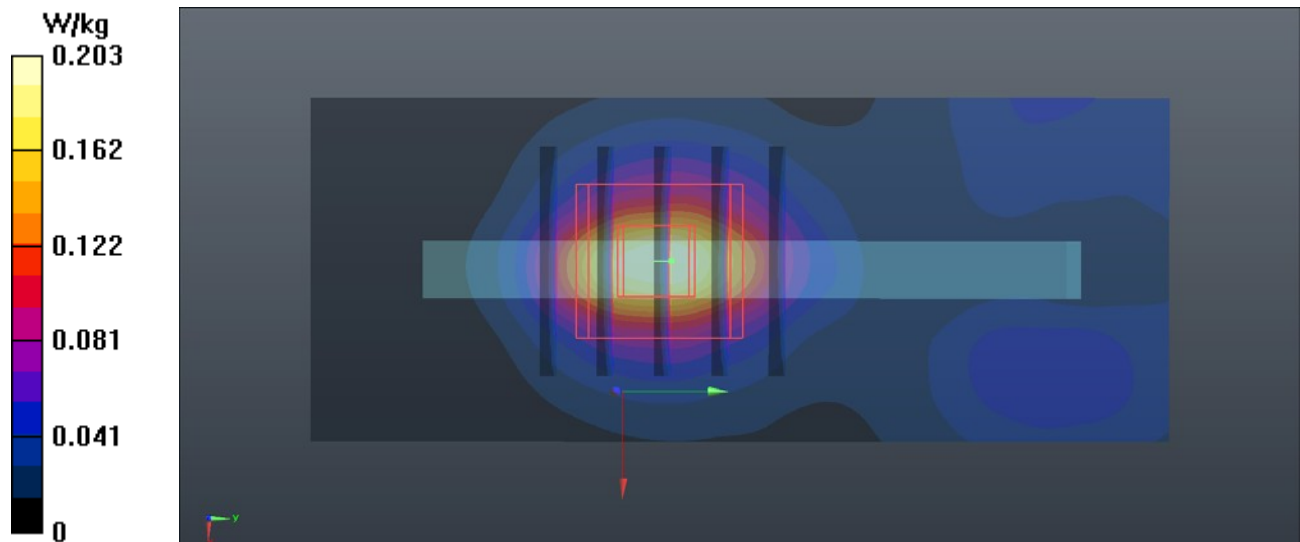
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.277 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.201 W/kg



P05 802.11a_Horizontal-Up_0.5cm_Ch40**DUT: WPP20**

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

Medium: B5G_0528 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.264$ S/m; $\epsilon_r = 49.3$; $\rho =$

1000 kg/m^3

Ambient Temperature : 23.2°C ; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.19, 5.19, 5.19); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.543 W/kg

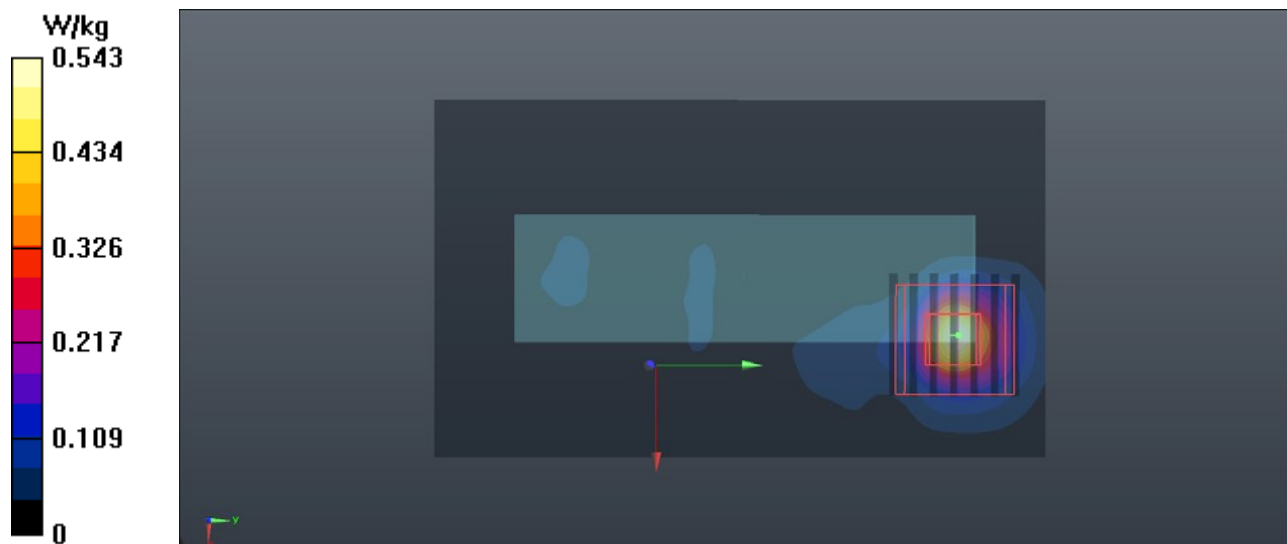
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.370 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.197 W/kg ; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



P06 802.11a_Horizontal-Down_0.5cm_Ch40

DUT: WPP20

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

Medium: B5G_0528 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.264$ S/m; $\epsilon_r = 49.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.19, 5.19, 5.19); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.360 W/kg

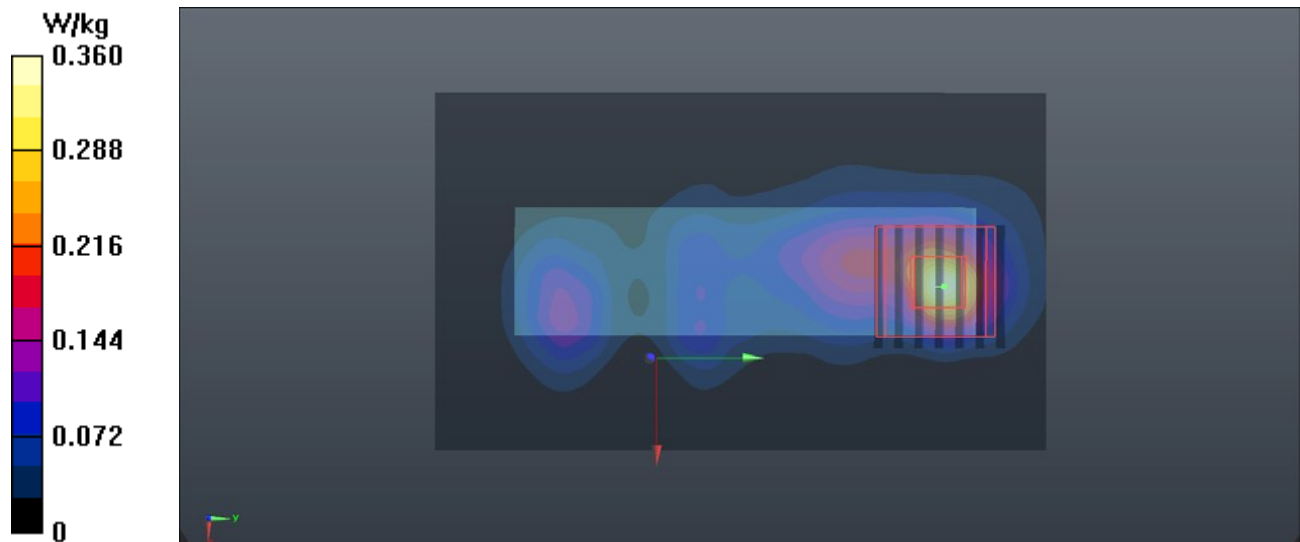
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.452 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



P07 802.11a_Vertical-Front_0.5cm_Ch40**DUT: WPP20**

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

Medium: B5G_0528 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.264$ S/m; $\epsilon_r = 49.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.19, 5.19, 5.19); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.426 W/kg

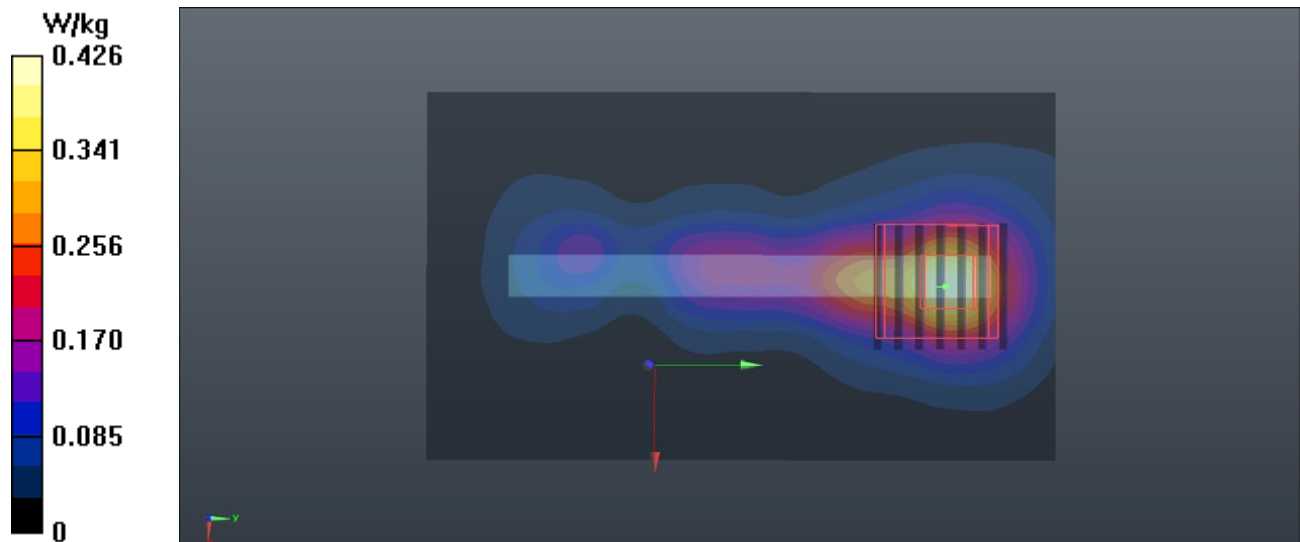
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.264 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.417 W/kg



P08 802.11a_Vertical-Back_0.5cm_Ch40

DUT: WPP20

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

Medium: B5G_0528 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.264$ S/m; $\epsilon_r = 49.3$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(5.19, 5.19, 5.19); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0539 W/kg

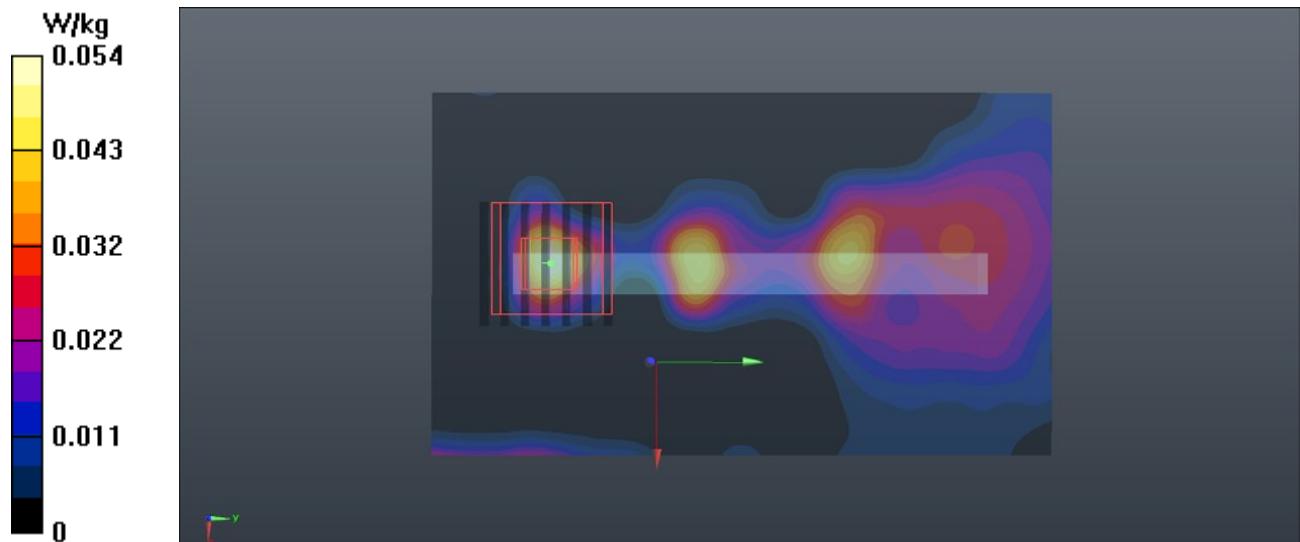
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.321 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00465 W/kg

Maximum value of SAR (measured) = 0.0610 W/kg



P09 802.11n_HT40_Horizontal-Up_0.5cm_Ch151**DUT: WPP20**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0528 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.027$ S/m; $\epsilon_r = 48.355$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.4, 4.4, 4.4); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.911 W/kg

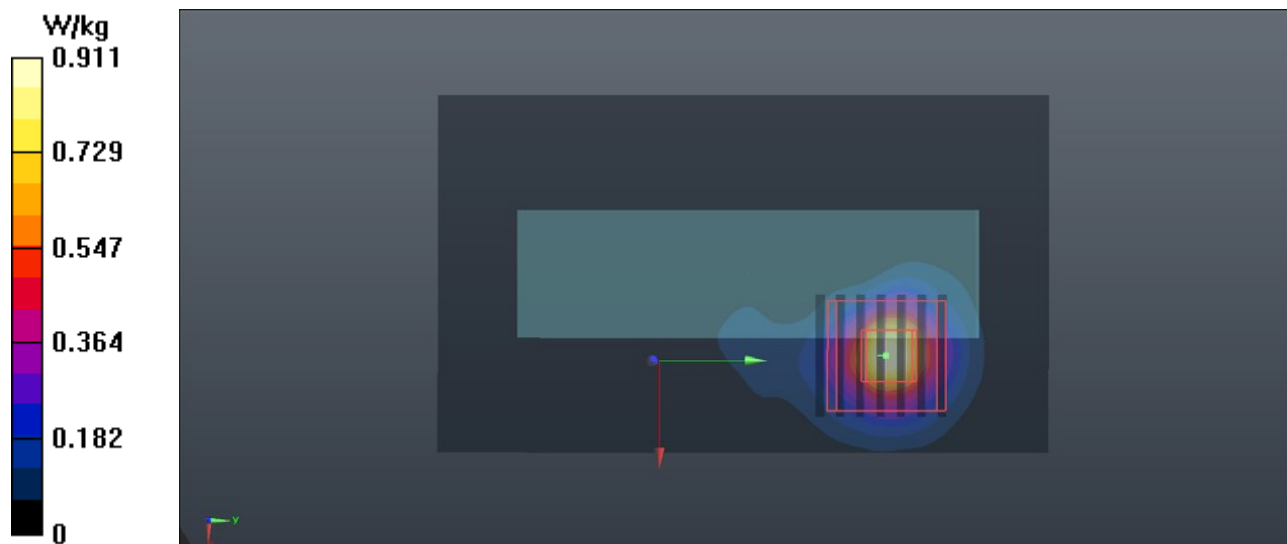
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.686 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.895 W/kg



P10 802.11n_HT40_Horizontal-Down_0.5cm_Ch151**DUT: WPP20**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0528 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.027$ S/m; $\epsilon_r = 48.355$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.4, 4.4, 4.4); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.799 W/kg

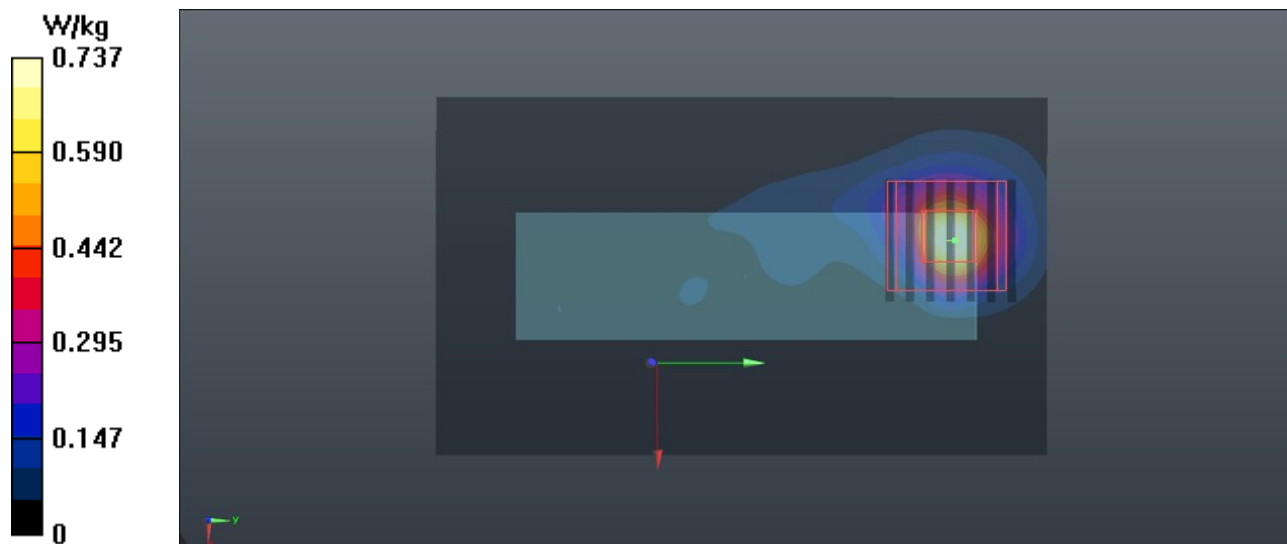
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.926 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.737 W/kg



P11 802.11n_HT40_Vertical-Front_0.5cm_Ch151**DUT: WPP20**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0528 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.027$ S/m; $\epsilon_r = 48.355$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.4, 4.4, 4.4); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.666 W/kg

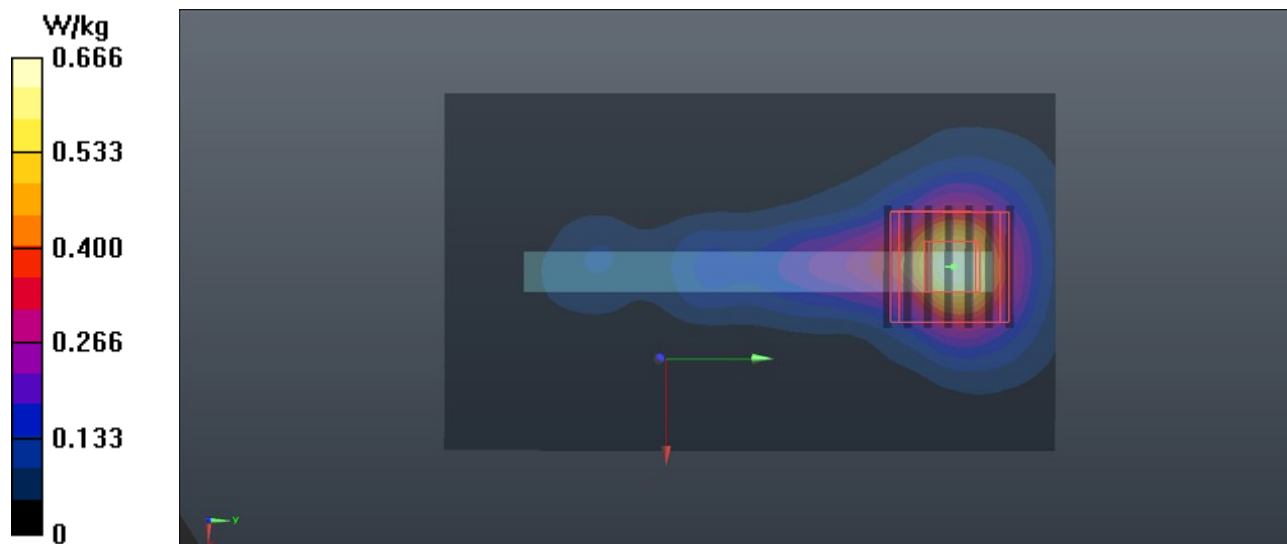
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.256 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.665 W/kg



P12 802.11n_HT40_Vetical-Back_0.5cm_Ch151

DUT: WPP20

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: B5G_0528 Medium parameters used: $f = 5755$ MHz; $\sigma = 6.027$ S/m; $\epsilon_r = 48.355$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.4, 4.4, 4.4); Calibrated: 2017/11/02;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2017/10/09
- Phantom: SAM; Type: QD000P40CD; Serial: TP:1794
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0822 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.053 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0850 W/kg

