

Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

System Check_B750_180424**DUT: Dipole 750 MHz; Type: D750V3; SN: 1013**

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

Medium: B06T09N1_0424 Medium parameters used: $f = 750$ MHz; $\sigma = 0.969$ S/m; $\epsilon_r = 53.811$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.92 W/kg

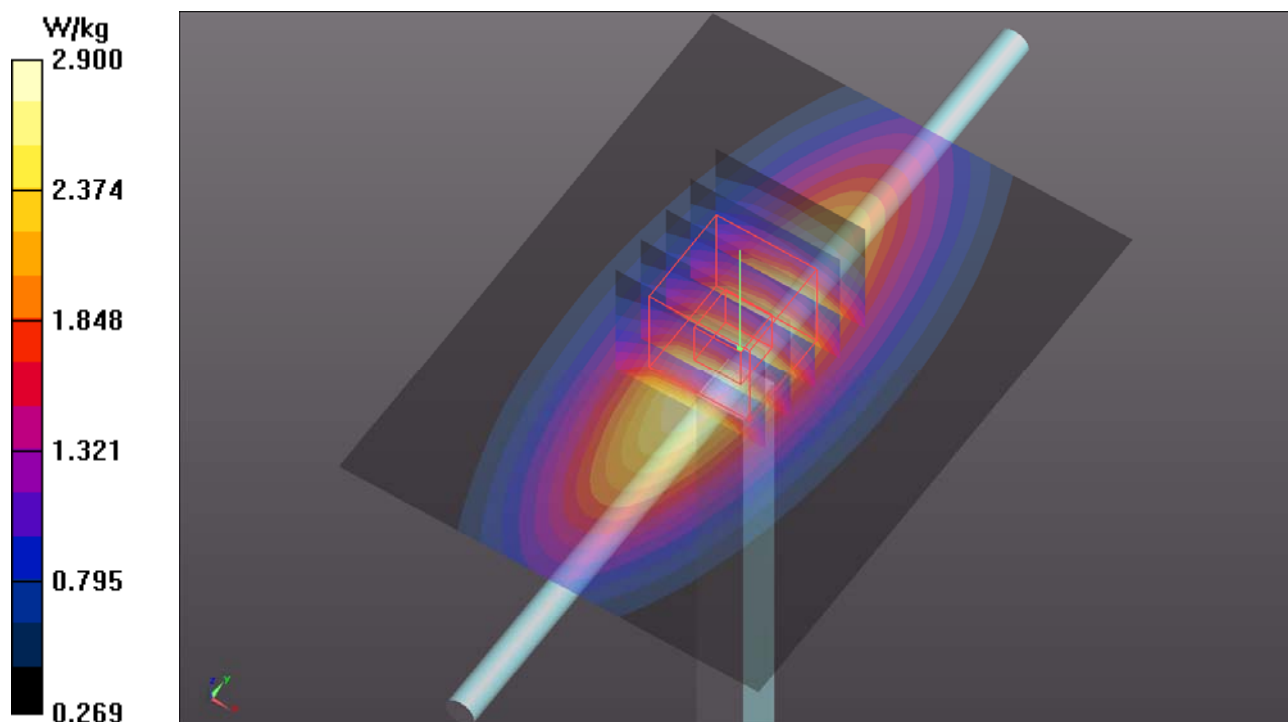
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.35 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



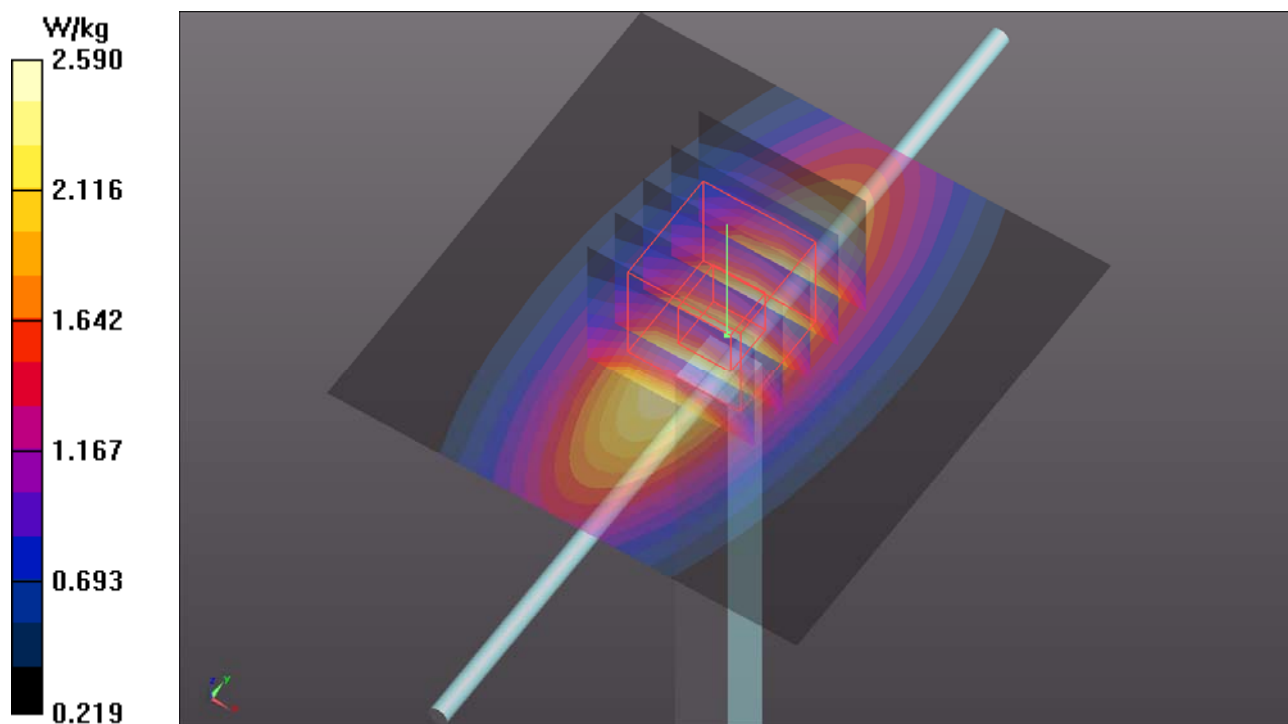
System Check_B835_180424**DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121**

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

Medium: B07T10N1_0424 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.972 \text{ S/m}$; $\epsilon_r = 56.099$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.60 W/kg **Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 53.56 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 2.93 W/kg **SAR(1 g) = 2.23 W/kg ; SAR(10 g) = 1.47 W/kg** Maximum value of SAR (measured) = 2.59 W/kg 

System Check_B1750_180424**DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055**

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

Medium: B16T20N1_0424 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.456$ S/m; $\epsilon_r = 52.165$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.77, 7.77, 7.77); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.0 W/kg

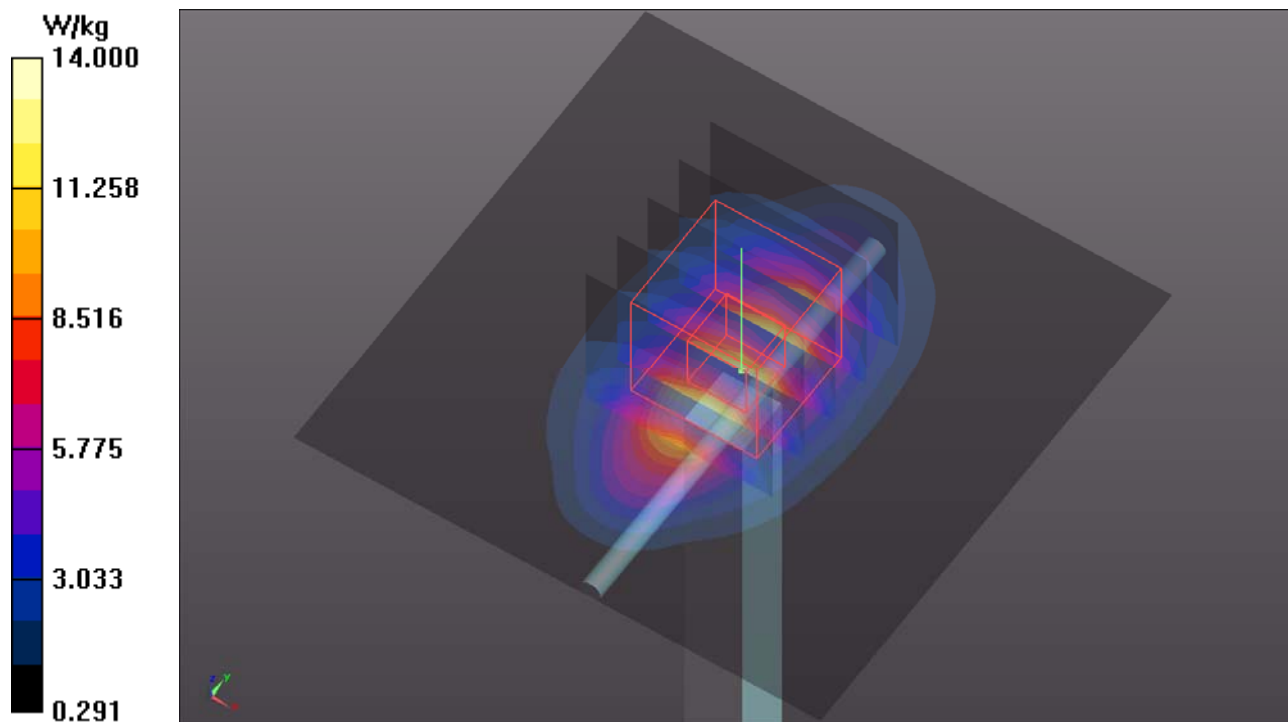
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 102.4 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.26 W/kg; SAR(10 g) = 4.94 W/kg

Maximum value of SAR (measured) = 14.0 W/kg



System Check_B1900_180424**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036**

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

Medium: B16T20N1_0424 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.584$ S/m; $\epsilon_r = 51.781$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.9 W/kg

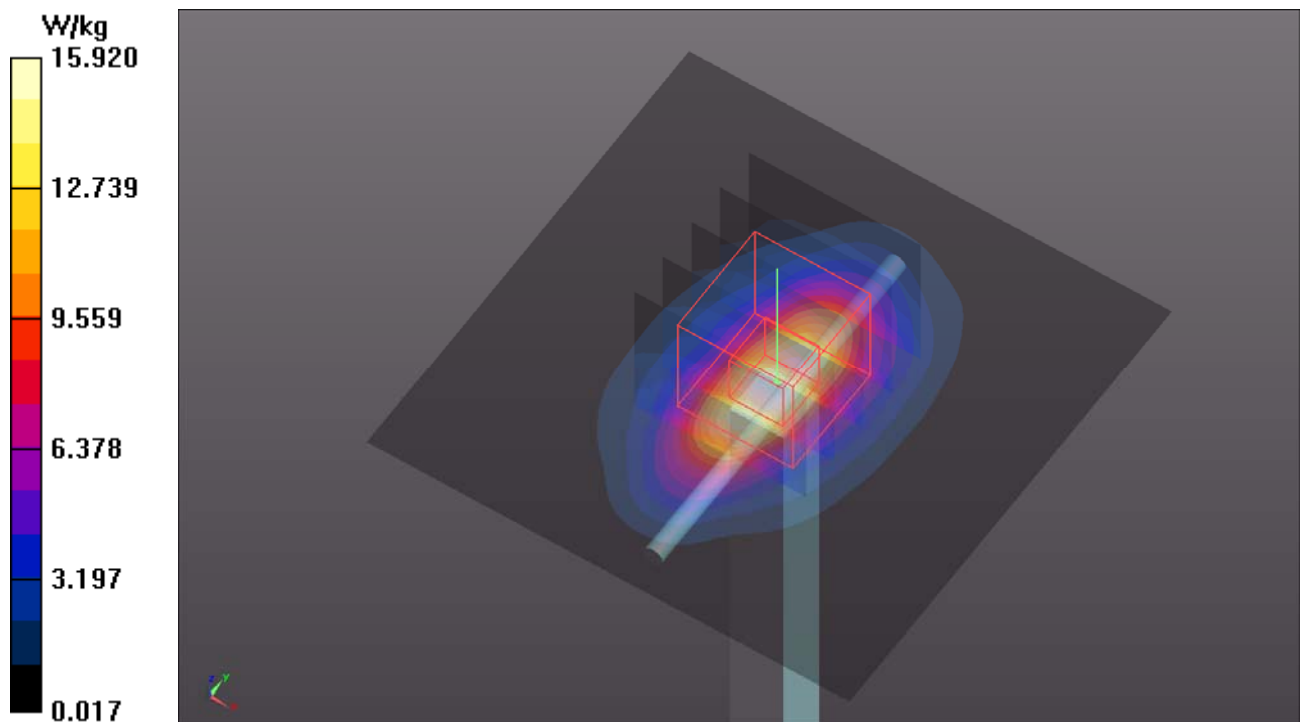
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 102.5 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.37 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



System Check_B2300_180423

DUT: Dipole 2300 MHz; Type: D2300V2; SN:1004

Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 51.736$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2017/03/20
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 17.7 W/kg

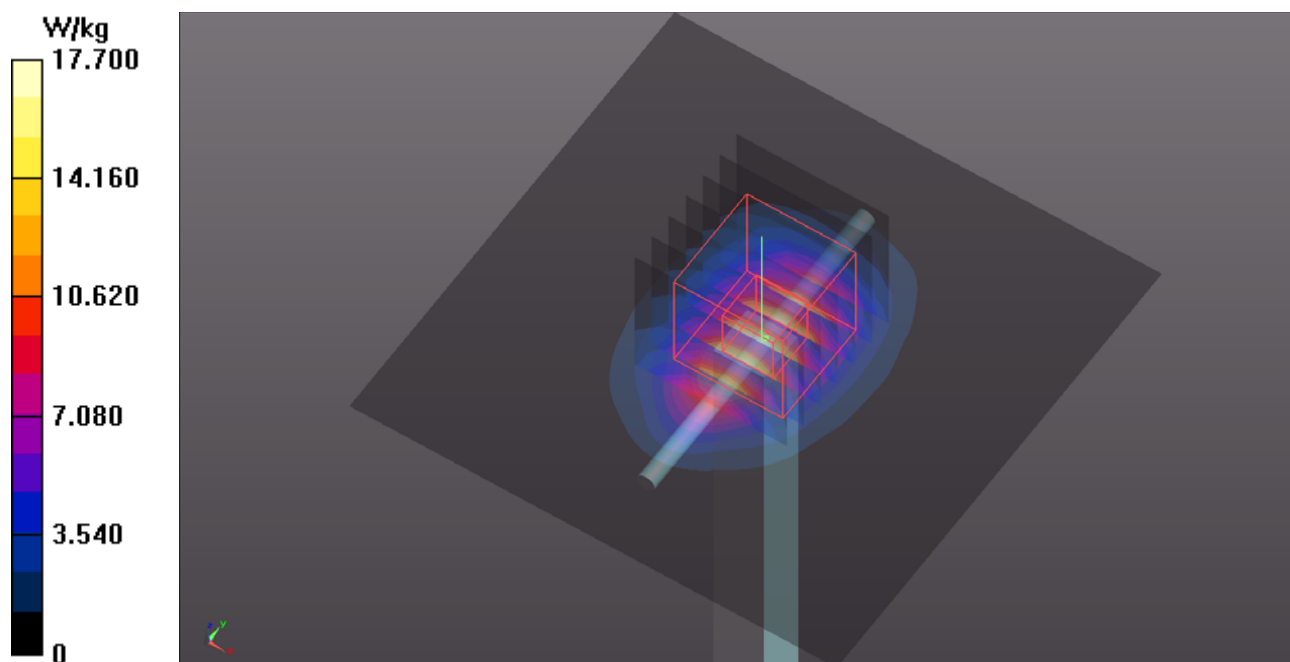
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 102.5 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 21.4 W/kg

SAR(1 g) = 11 W/kg; SAR(10 g) = 5.3 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



System Check_B2450_180425**DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737**

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

Medium: B19T27N1_0425 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.047$ S/m; $\epsilon_r = 52.052$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

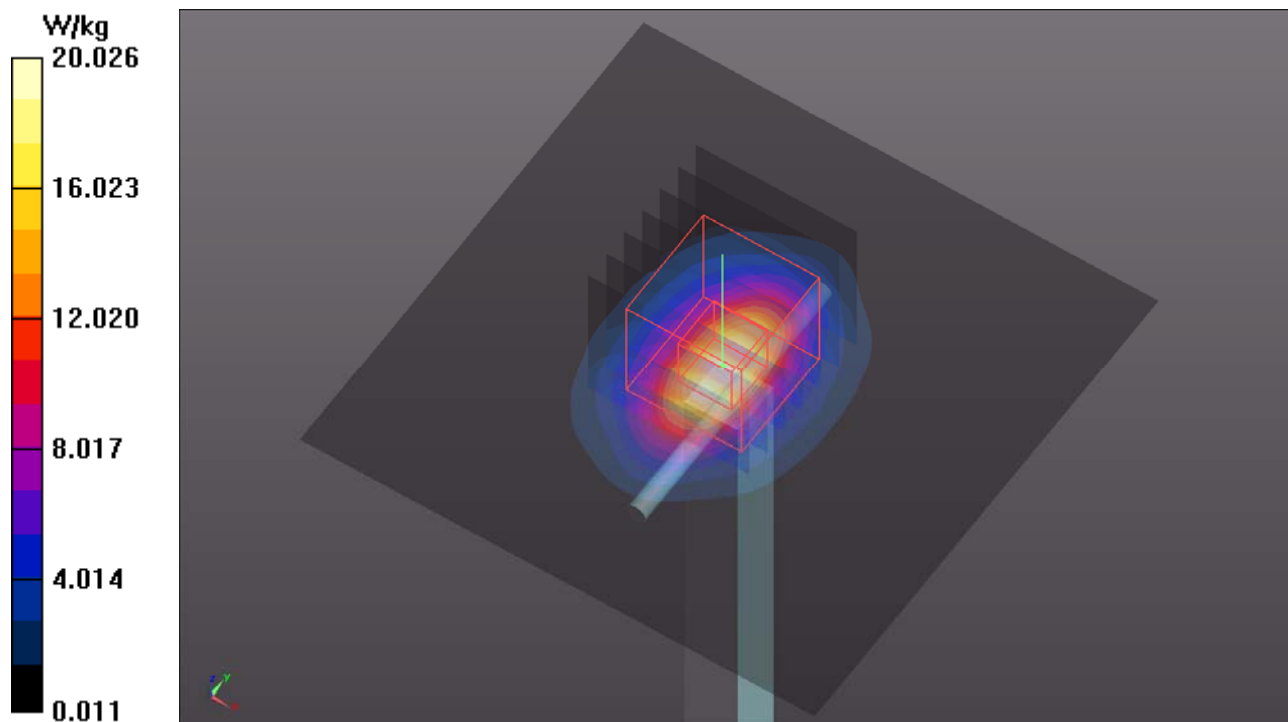
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.3 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.1 W/kg

Maximum value of SAR (measured) = 19.8 W/kg



System Check_B2600_180423

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.169$ S/m; $\epsilon_r = 50.963$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2017/03/20
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 22.4 W/kg

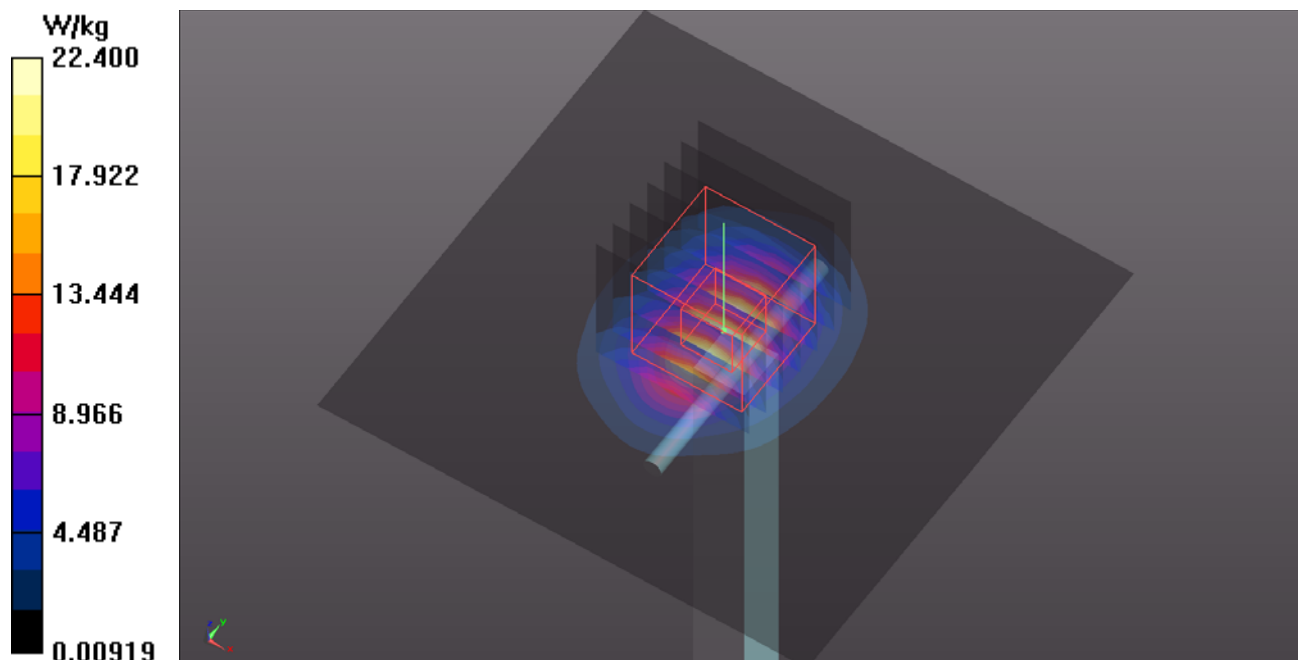
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 30.7 W/kg

SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.3 W/kg

Maximum value of SAR (measured) = 22.3 W/kg



System Check_B5250_180503**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019**

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 49.557$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.5 W/kg

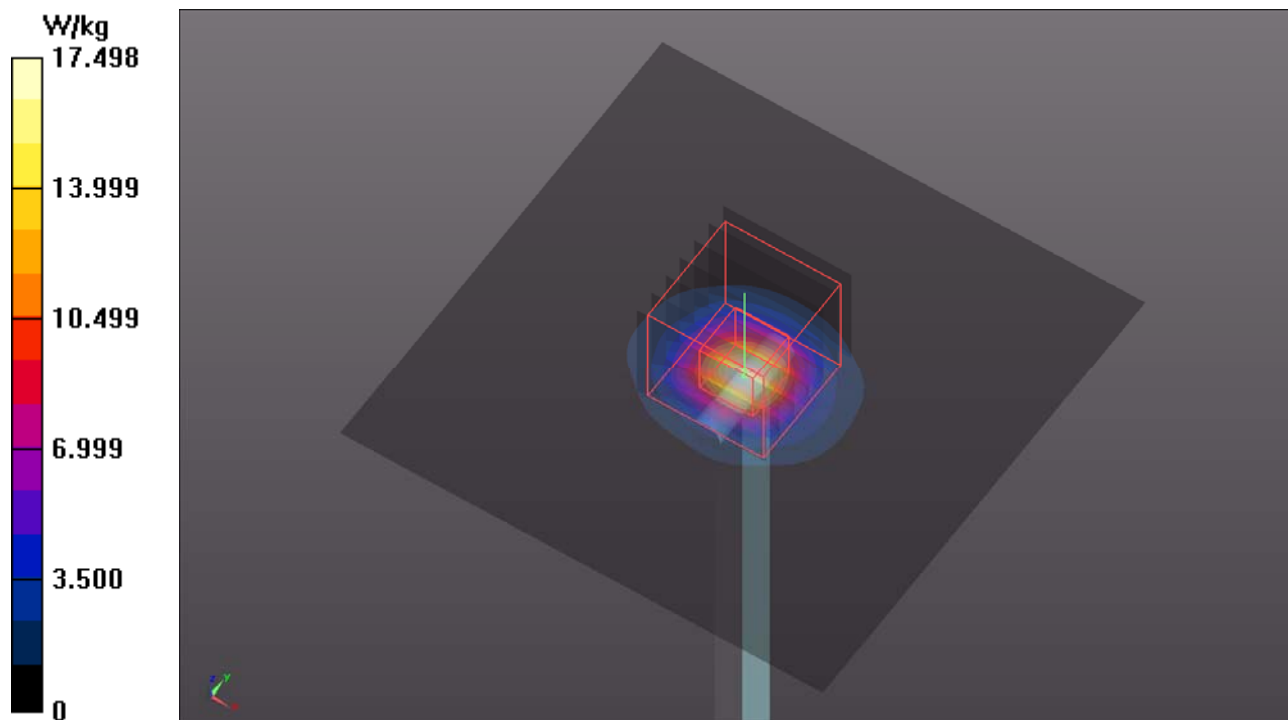
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 59.29 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 7.47 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



System Check_B5600_180503**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.713$ S/m; $\epsilon_r = 49.047$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.8, 3.8, 3.8); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.6 W/kg

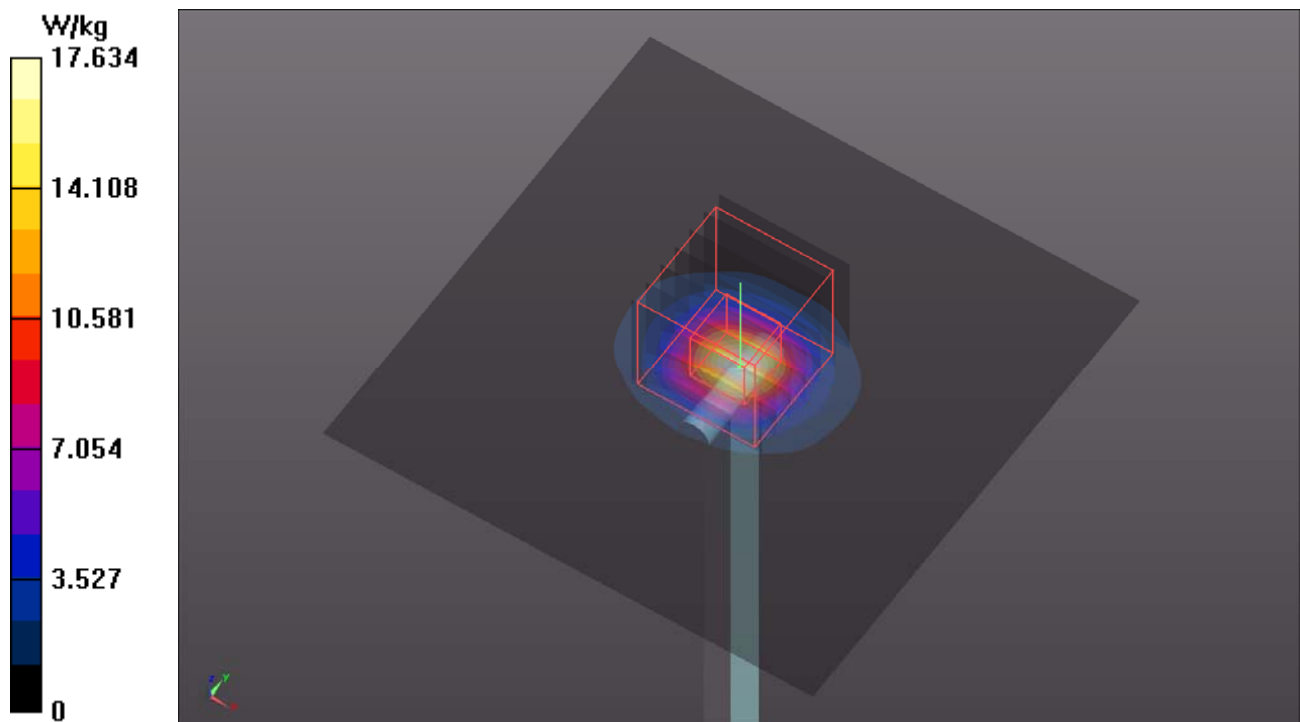
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.60 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 19.1 W/kg



System Check_B5800_180425**DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019**

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

Medium: B34T60N1_0425 Medium parameters used: $f = 5800$ MHz; $\sigma = 6.006$ S/m; $\epsilon_r = 48.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

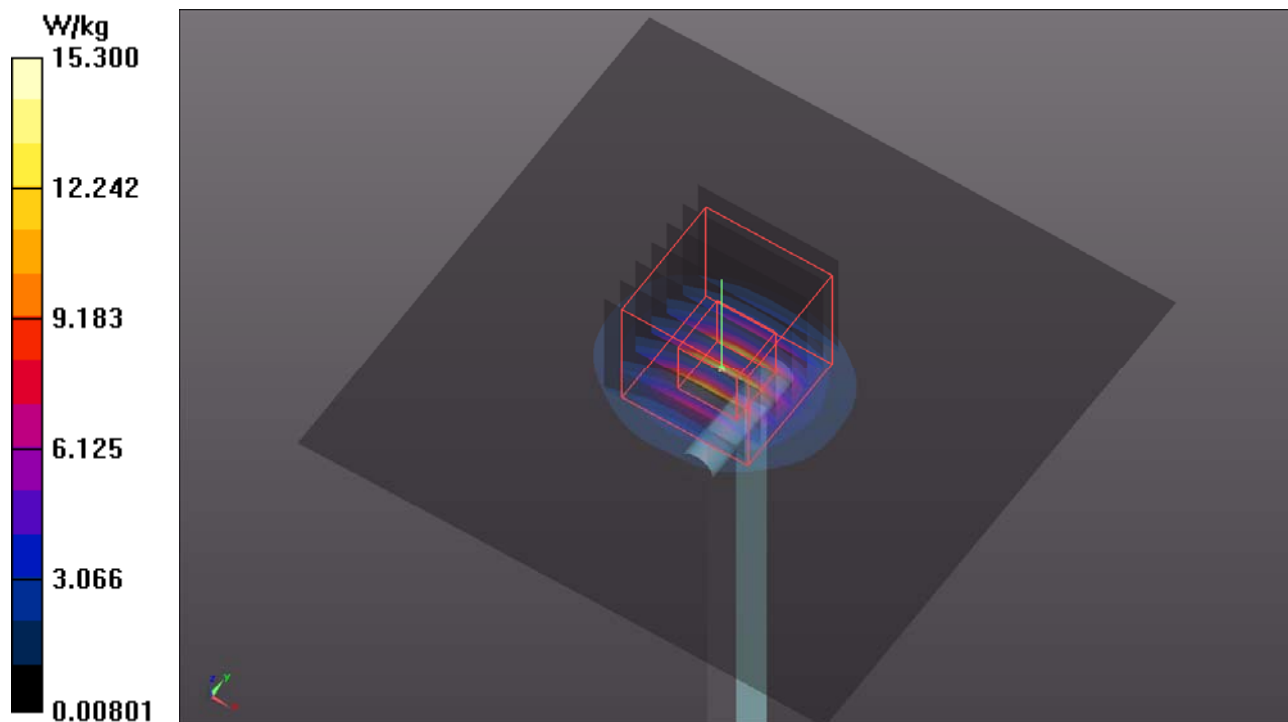
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 56.23 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 7.25 W/kg; SAR(10 g) = 2.07 W/kg

Maximum value of SAR (measured) = 15.3 W/kg



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 WCDMA II_RMC12.2K_Bottom_0mm_Ch9538**DUT: 180315C04**

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

Medium: B16T20N1_0423 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.562$ S/m; $\epsilon_r = 51.45$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.613 W/kg

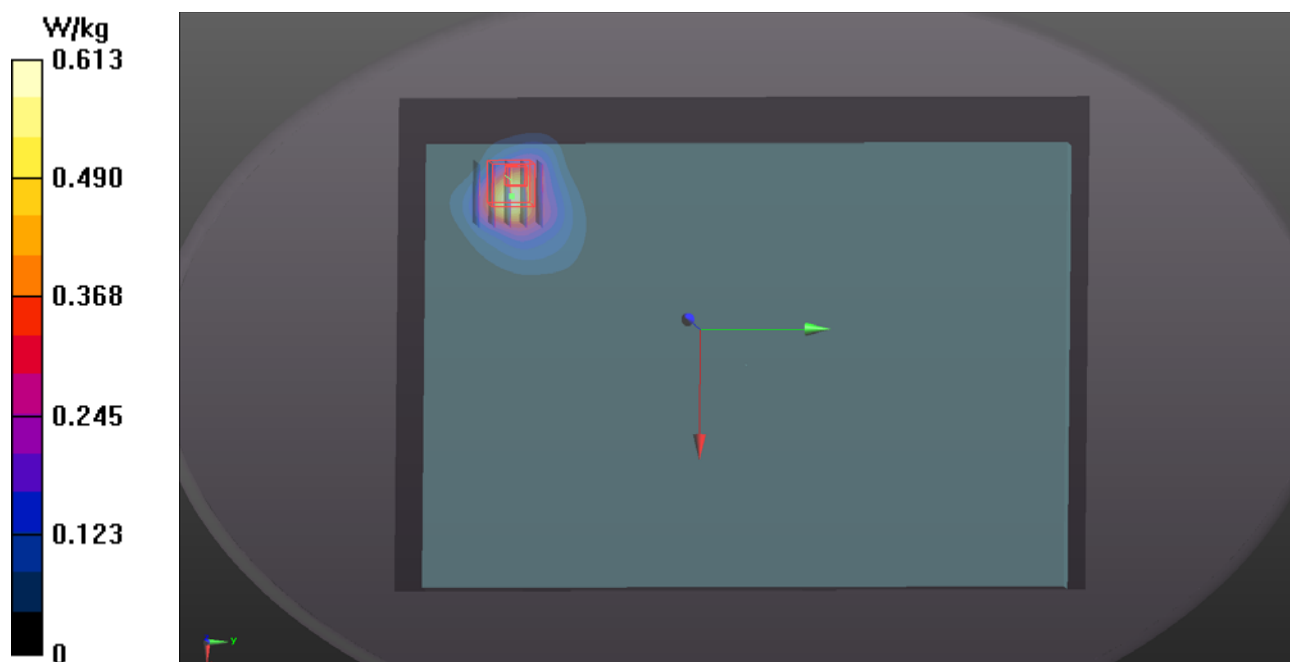
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.05 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.670 W/kg



P02 WCDMA IV_RMC12.2K_Bottom_0mm_Ch1312**DUT: 180315C04**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0423 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 51.759$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.34, 8.34, 8.34); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.750 W/kg

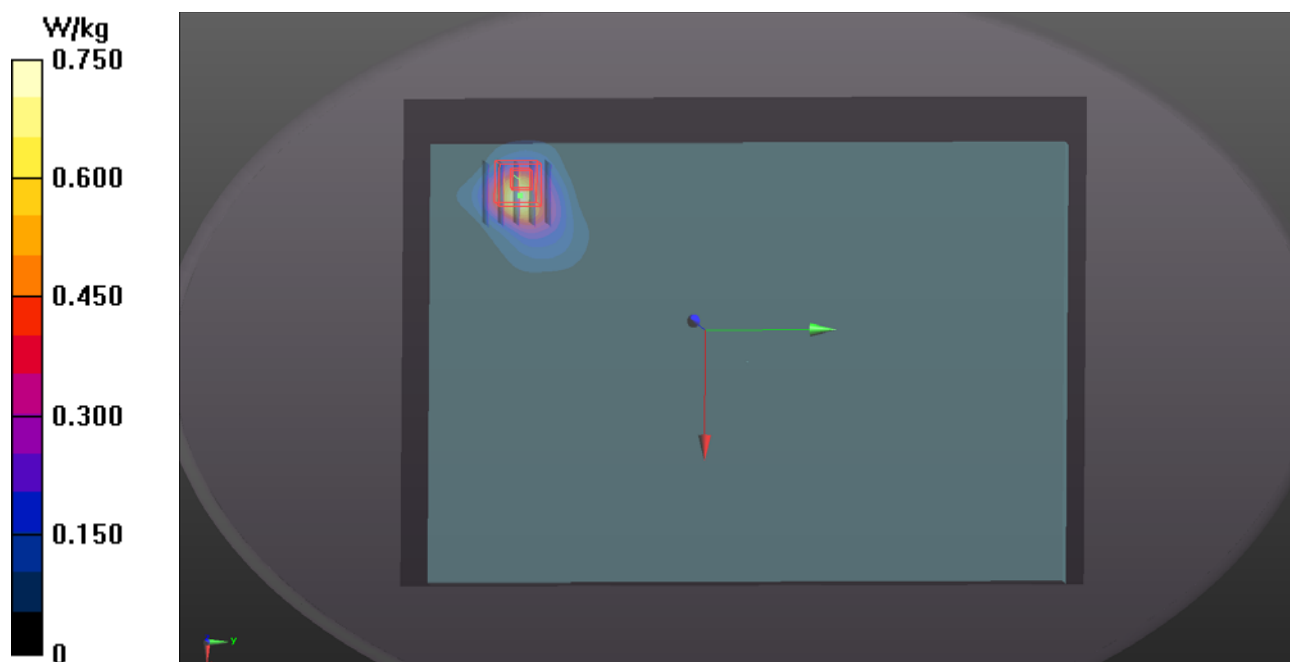
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.65 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.838 W/kg



P03 WCDMA V_RMC12.2K_Bottom_0mm_Ch4233**DUT: 180315C04**

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

Medium: B07T10N1_0424 Medium parameters used: $f = 846.6$ MHz; $\sigma = 1.018$ S/m; $\epsilon_r = 54.093$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.15, 10.15, 10.15); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.793 W/kg

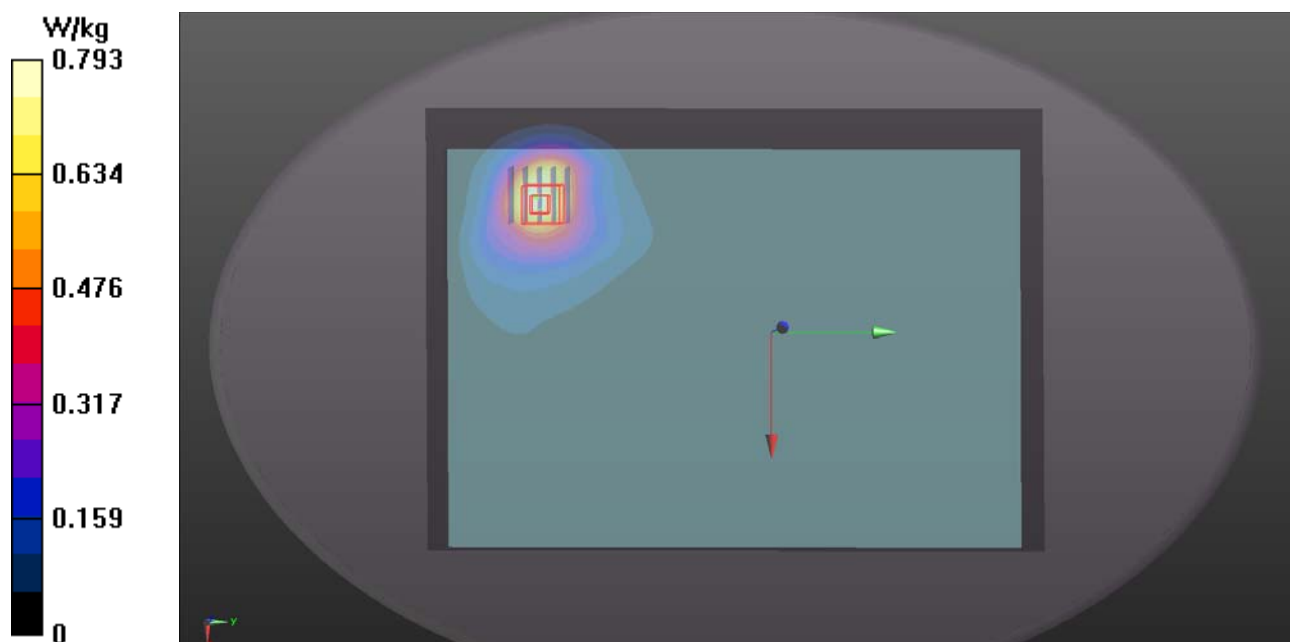
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.93 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.417 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



P04 LTE 2_QPSK20M_Bottom_0mm_Ch18700_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0423 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.539$ S/m; $\epsilon_r = 51.43$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- **Area Scan (171x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.550 W/kg

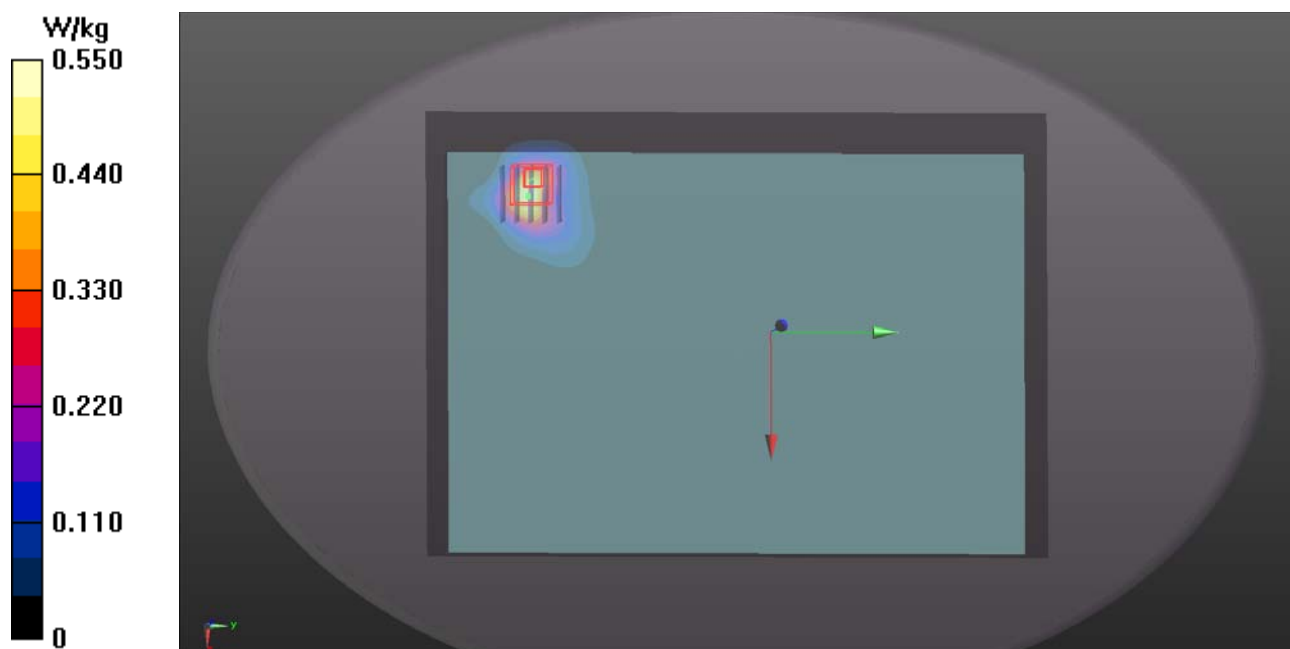
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.58 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.722 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.581 W/kg



P05 LTE 4_QPSK20M_Bottom_0mm_Ch20050_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0423 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 51.746$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.34, 8.34, 8.34); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

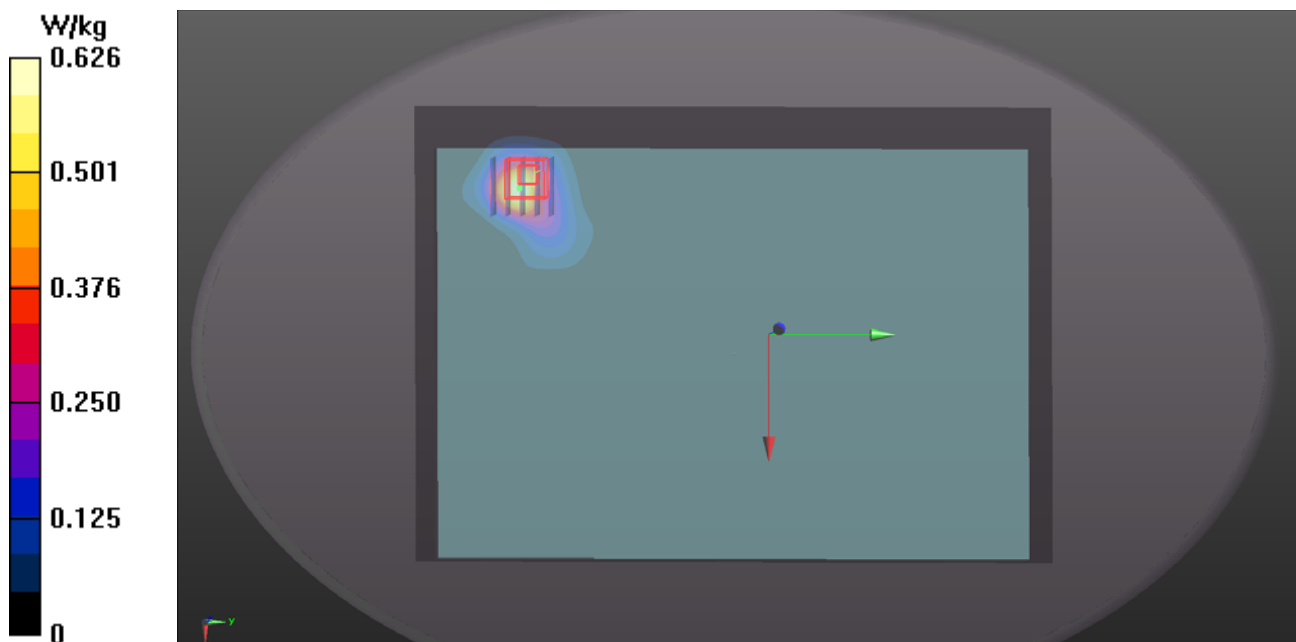
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.09 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 0.931 W/kg



P06 LTE 5_QPSK10M_Bottom_0mm_Ch20525_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1_0424 Medium parameters used: $f = 836.5$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 54.205$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.15, 10.15, 10.15); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- **Area Scan (171x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

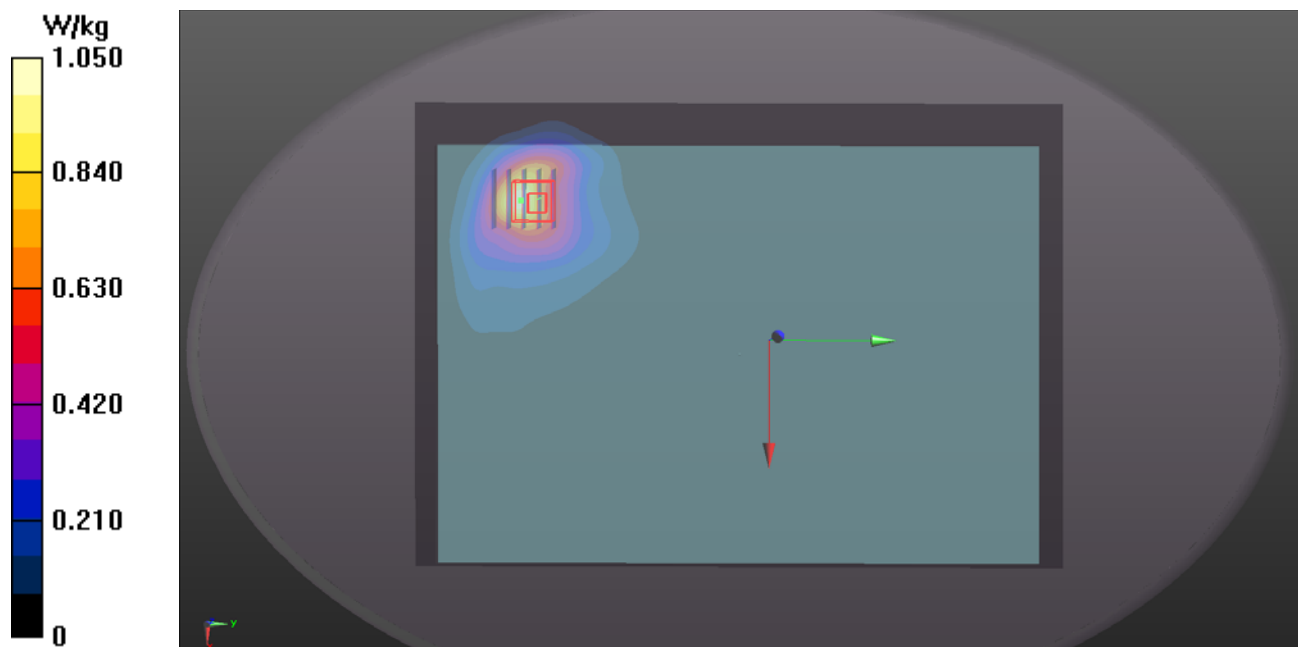
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.81 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.484 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



P07 LTE 7_QPSK20M_Bottom_0mm_Ch21350_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.123$ S/m; $\epsilon_r = 51.076$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

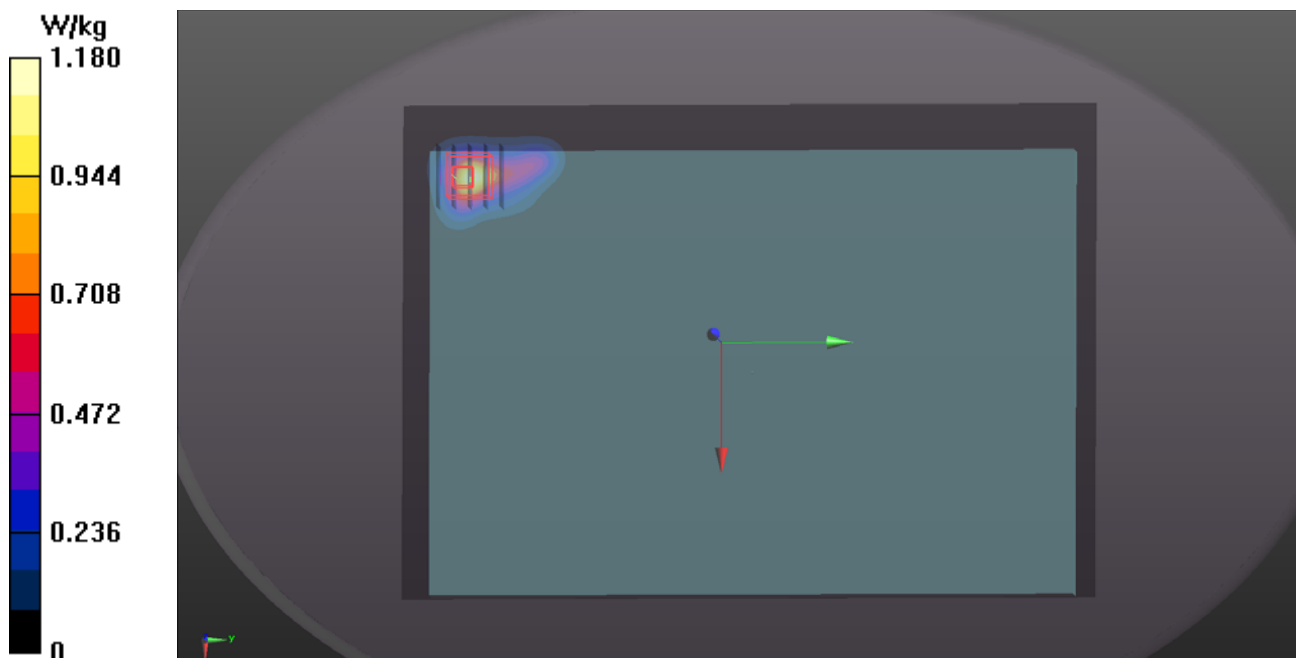
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.74 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



P08 LTE 12_QPSK10M_Bottom_0mm_Ch23095_1RB_OS24**DUT: 180315C04**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: B06T09N1_0424 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 54.254$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

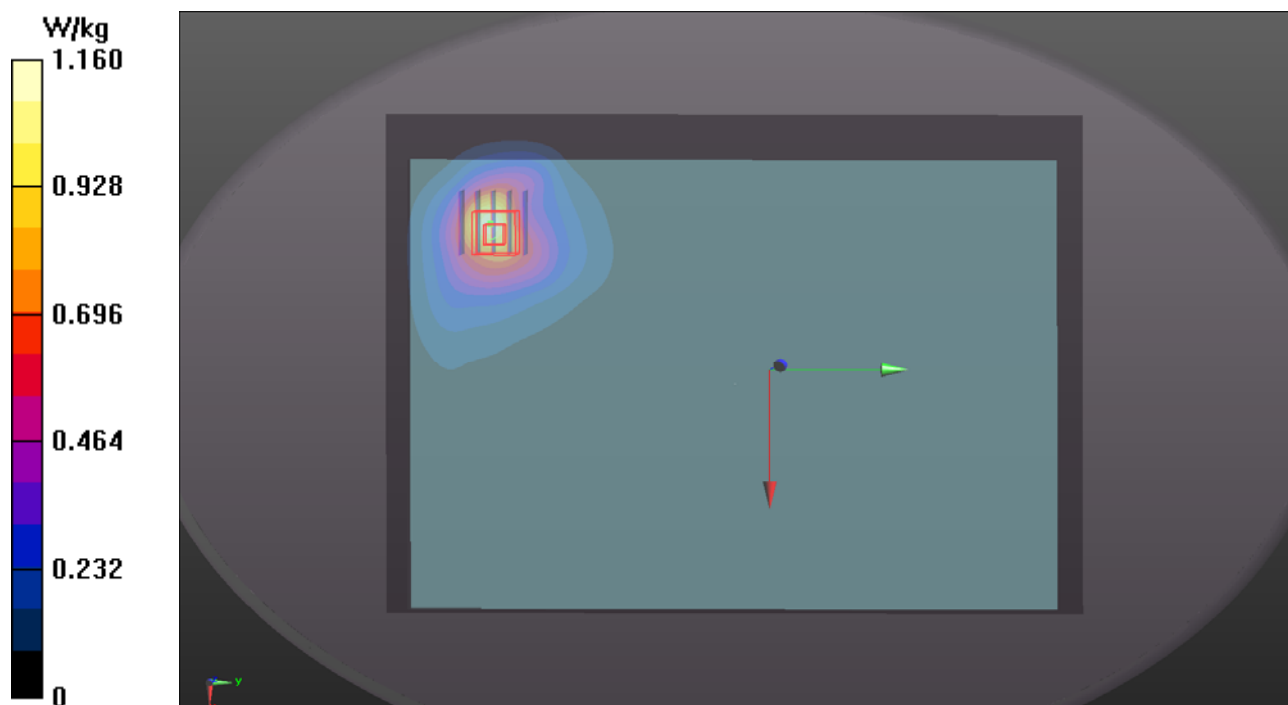
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.71 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.526 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



P09 LTE 13_QPSK10M_Bottom_0mm_Ch23230_25RB_OS0**DUT: 180315C04**

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

Medium: B06T09N1_0424 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 53.474$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.14 W/kg

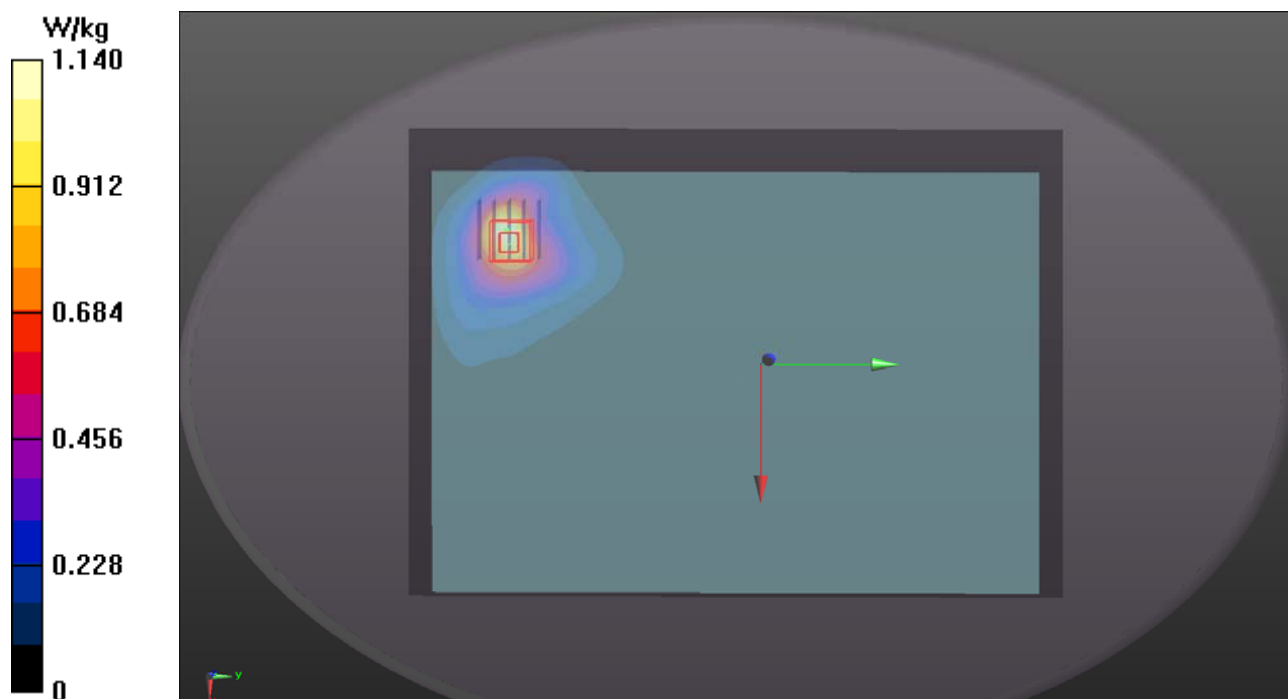
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.02 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.934 W/kg ; SAR(10 g) = 0.533 W/kg

Maximum value of SAR (measured) = 1.41 W/kg



P10 LTE 17_QPSK10M_Bottom_0mm_Ch23800_1RB_OS49**DUT: 180315C04**

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

Medium: B06T09N1_0424 Medium parameters used: $f = 711$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.221$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

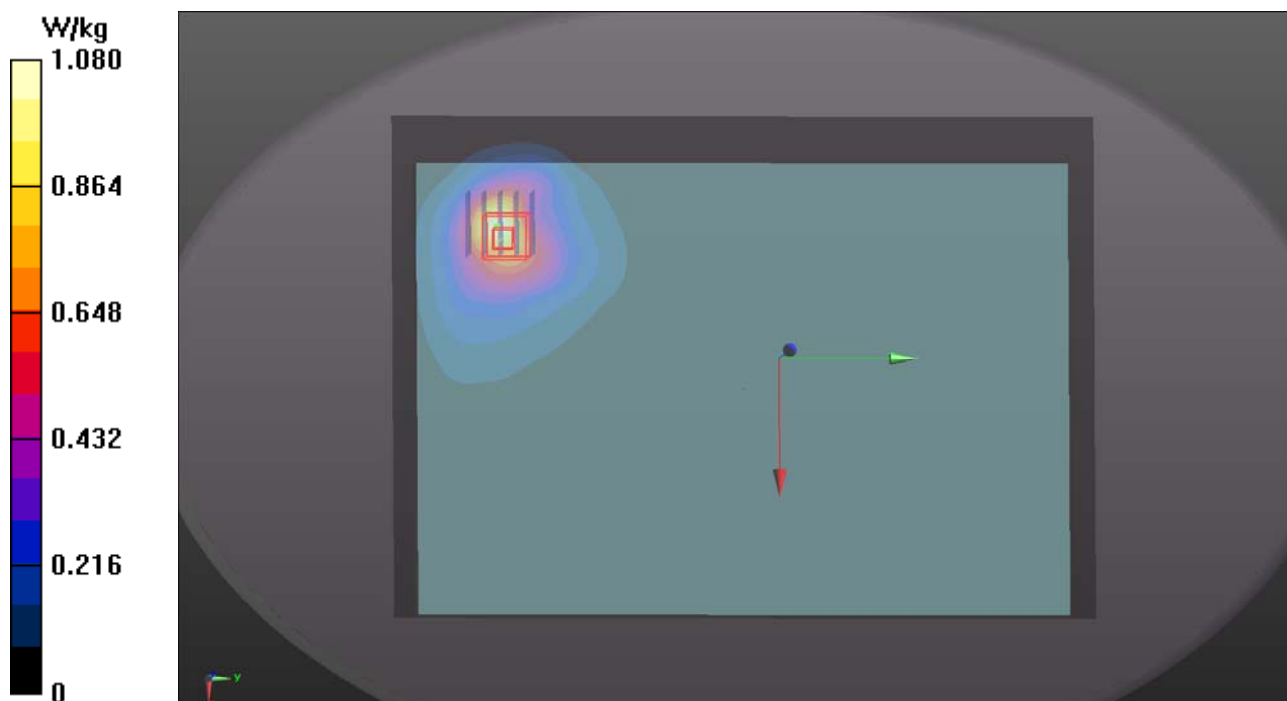
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.505 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



P11 LTE 26_QPSK15M_Bottom_0mm_Ch26865_1RB_OS37**DUT: 180315C04**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1_0424 Medium parameters used: $f = 831.5$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 54.258$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.15, 10.15, 10.15); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.931 W/kg

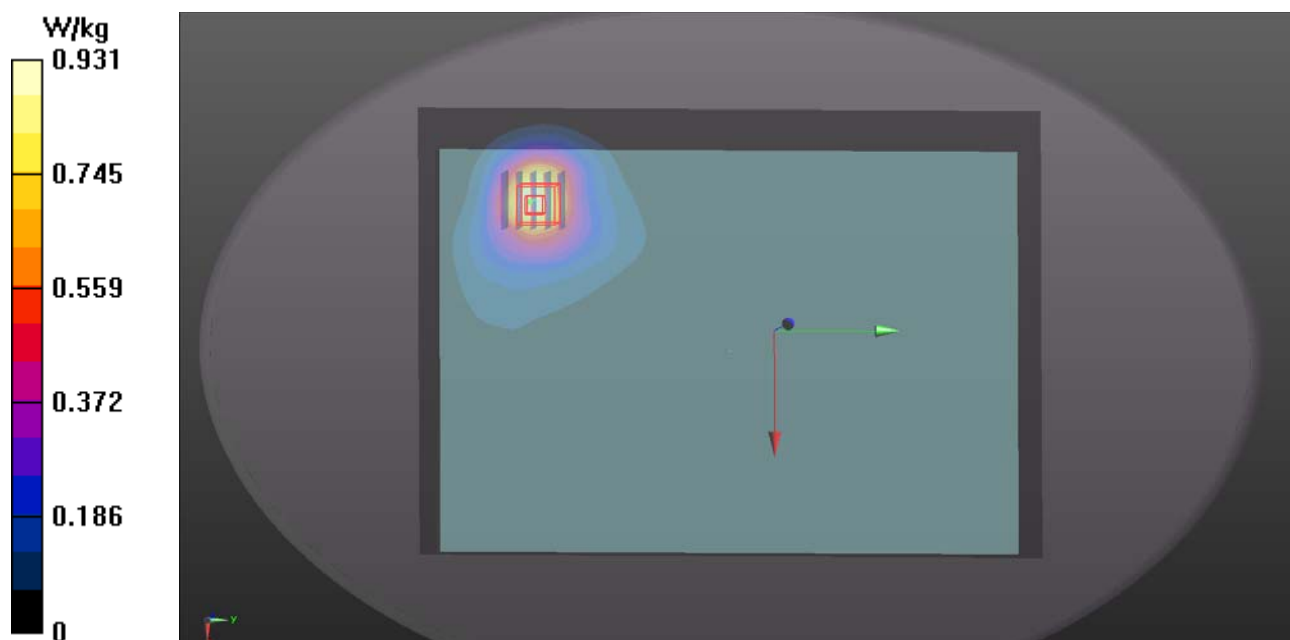
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.98 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.480 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



P12 LTE 30_QPSK10M_Bottom_0mm_Ch27710_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 51.716$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.919 W/kg

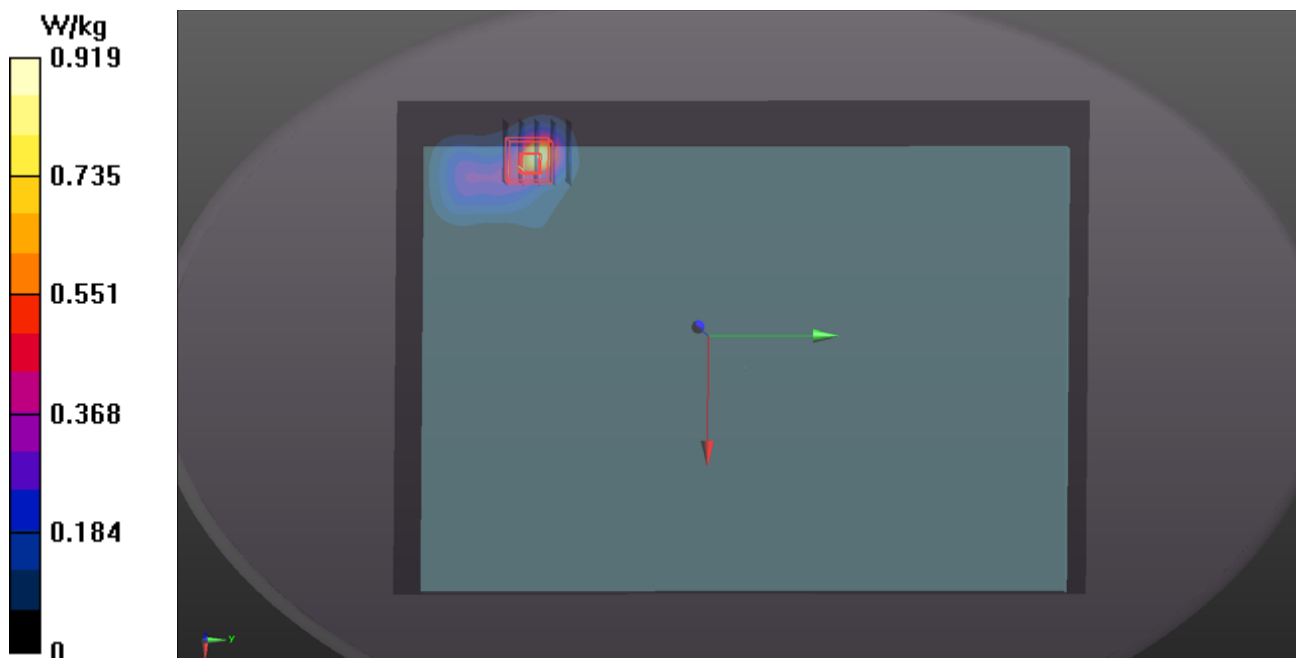
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.65 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



P13 LTE 38_QPSK20M_Bottom_0mm_Ch37850_1RB_OS99**DUT: 180315C04**

Communication System: LTE TDD CF0; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium: B19T27N5_0423 Medium parameters used: $f = 2580$ MHz; $\sigma = 2.146$ S/m; $\epsilon_r = 51.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- **Area Scan (211x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.510 W/kg

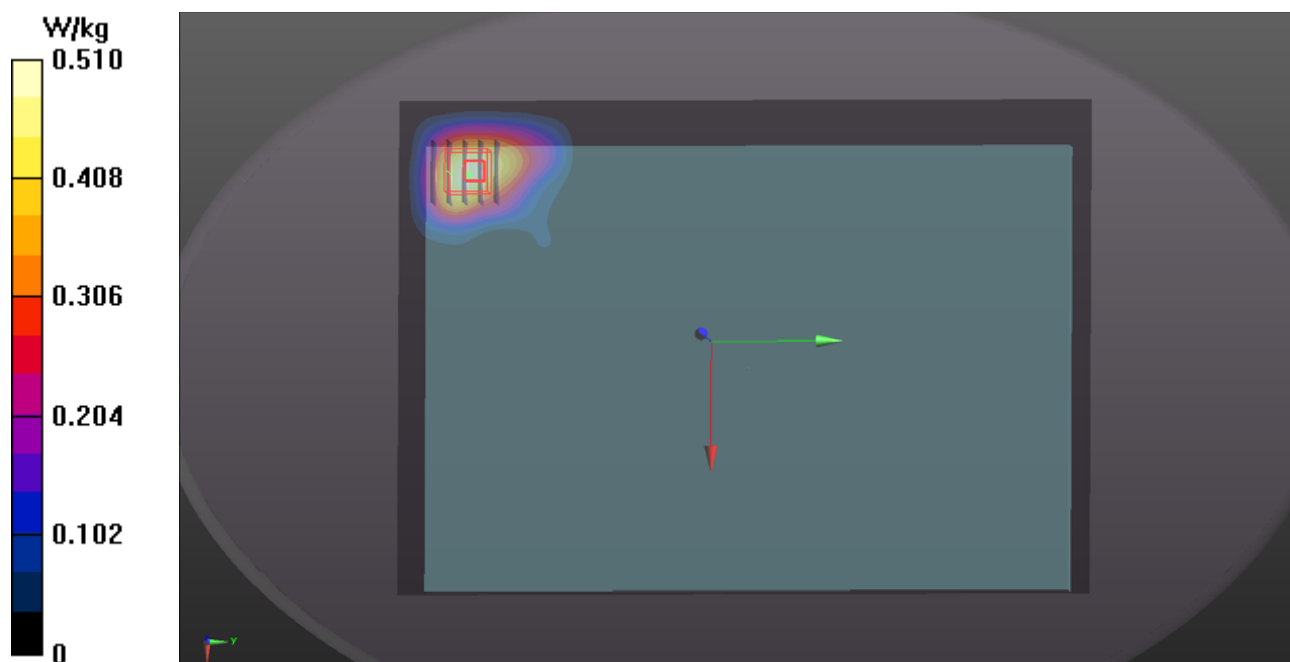
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.88 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



P14 LTE 41_QPSK20M_Bottom_0mm_Ch40185_1RB_OS0**DUT: 180315C04**

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz; Duty Cycle: 1:1.58

Medium: B19T27N5_0423 Medium parameters used: $f = 2550$ MHz; $\sigma = 2.112$ S/m; $\epsilon_r = 51.105$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

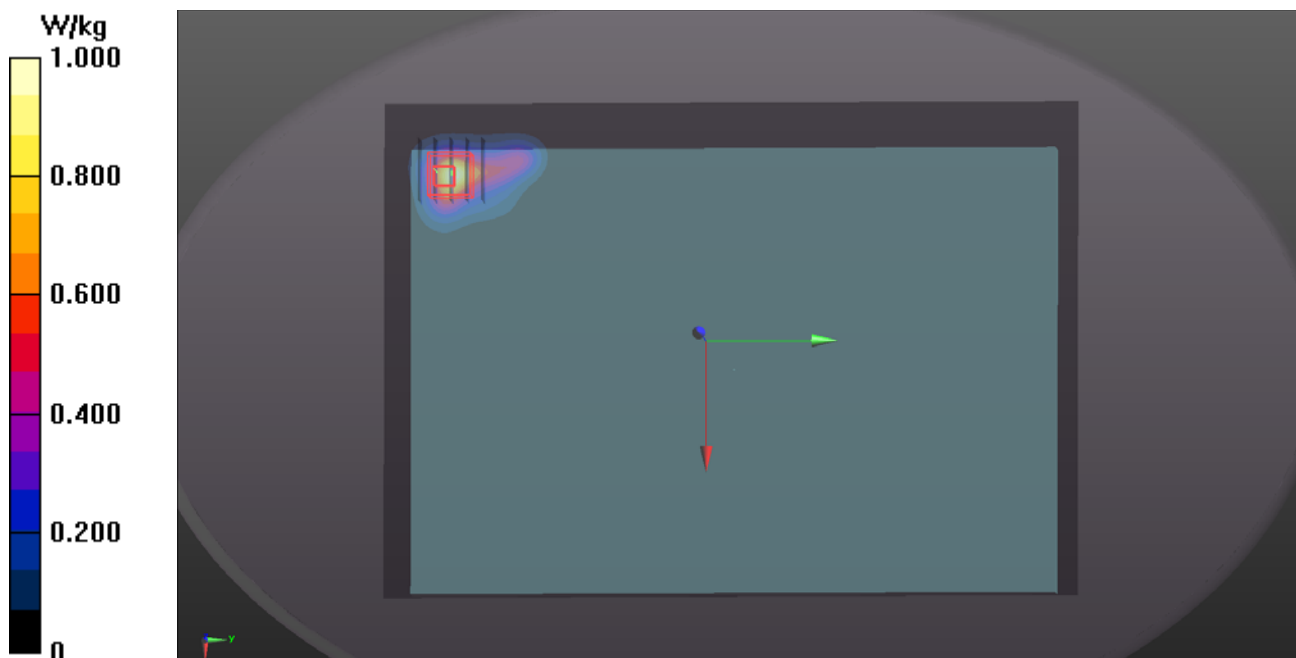
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.16 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.917 W/kg



P15 LTE 66_QPSK20M_Bottom_0mm_Ch132072_1RB_OS0**DUT: 180315C04**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0423 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 51.746$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.34, 8.34, 8.34); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.608 W/kg

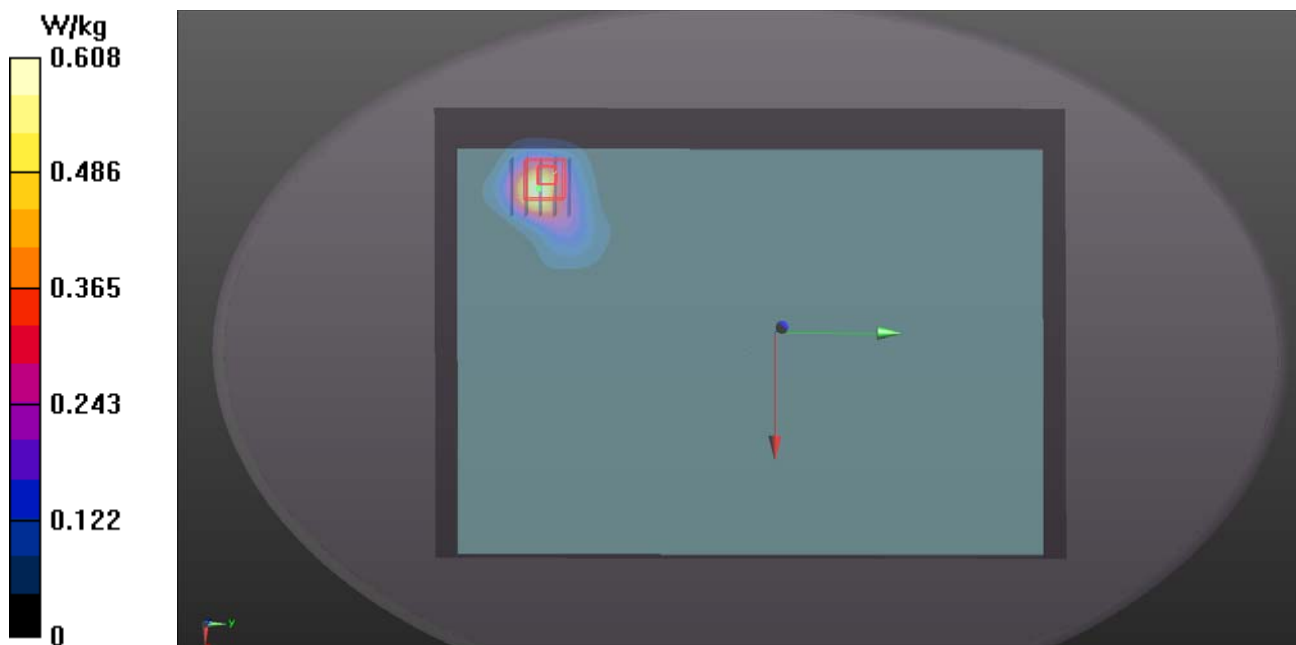
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.67 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.879 W/kg



P16 WLAN2.4G_802.11b_Bottom_0mm_Ch6_Ant0**DUT: 180315C04**

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

Medium: B19T27N3_0504 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 51.43$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.02 W/kg

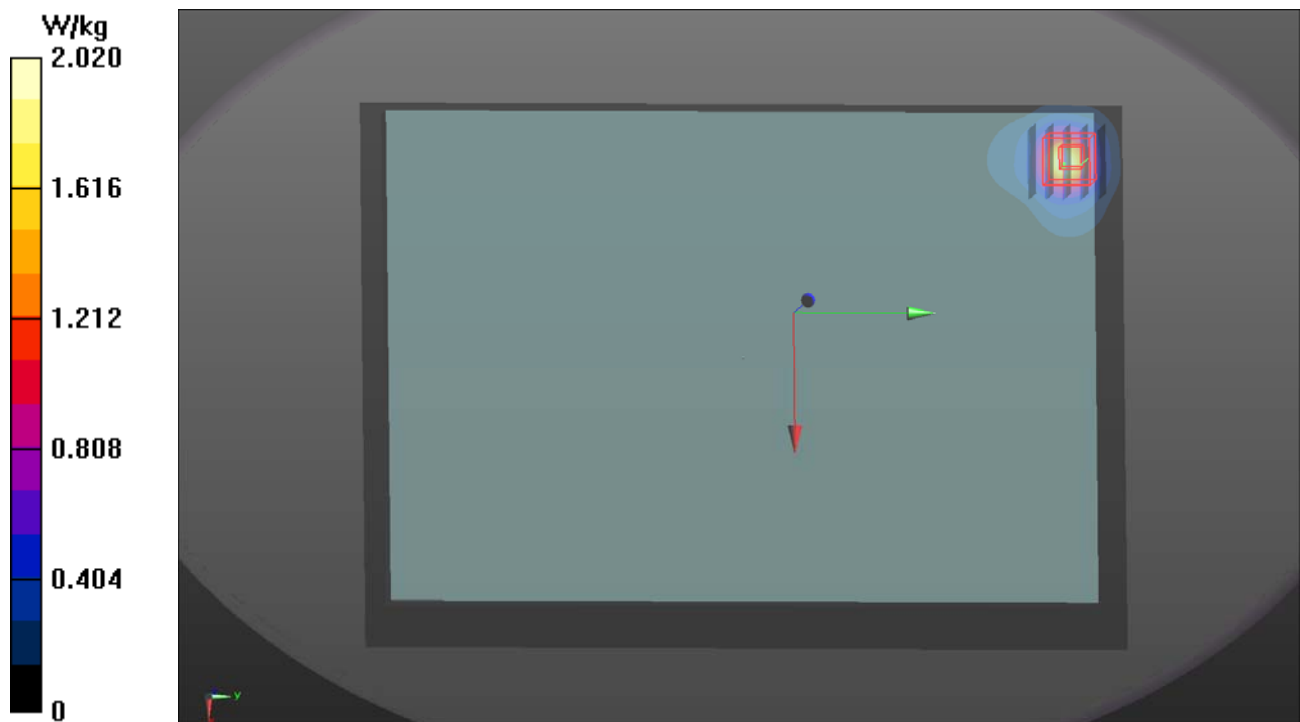
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.40 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.476 W/kg

Maximum value of SAR (measured) = 1.64 W/kg



P17 WLAN5G_802.11n HT40_Bottom_0mm_Ch54_Ant0+1**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5270$ MHz; $\sigma = 5.289$ S/m; $\epsilon_r = 49.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.03 W/kg

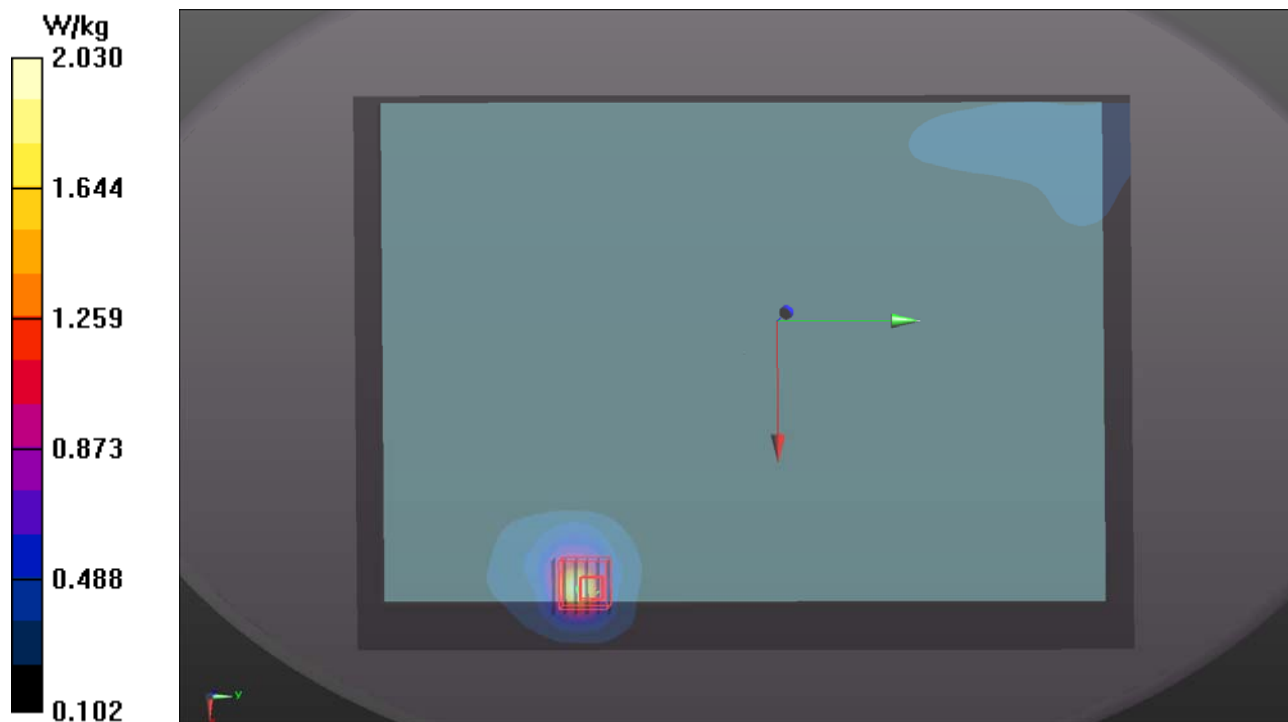
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 21.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.32 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.485 W/kg

Maximum value of SAR (measured) = 2.26 W/kg



P18 WLAN5G_802.11n HT40_Bottom_0mm_Ch126_Ant0+1**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5630 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5630$ MHz; $\sigma = 5.754$ S/m; $\epsilon_r = 48.983$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.8, 3.8, 3.8); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.13 W/kg

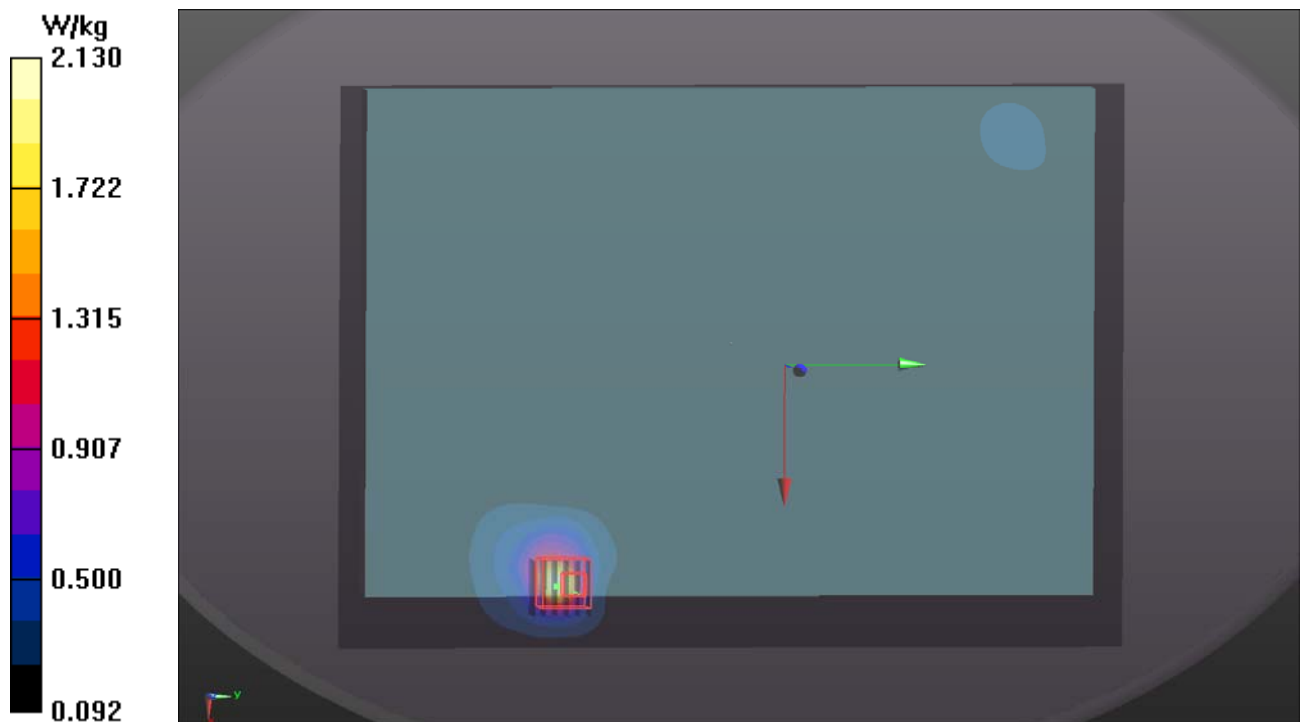
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 21.13 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.57 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.489 W/kg

Maximum value of SAR (measured) = 2.50 W/kg



P19 WLAN5G_802.11ac VHT80_Bottom_0mm_Ch155_Ant1**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.954$ S/m; $\epsilon_r = 48.775$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

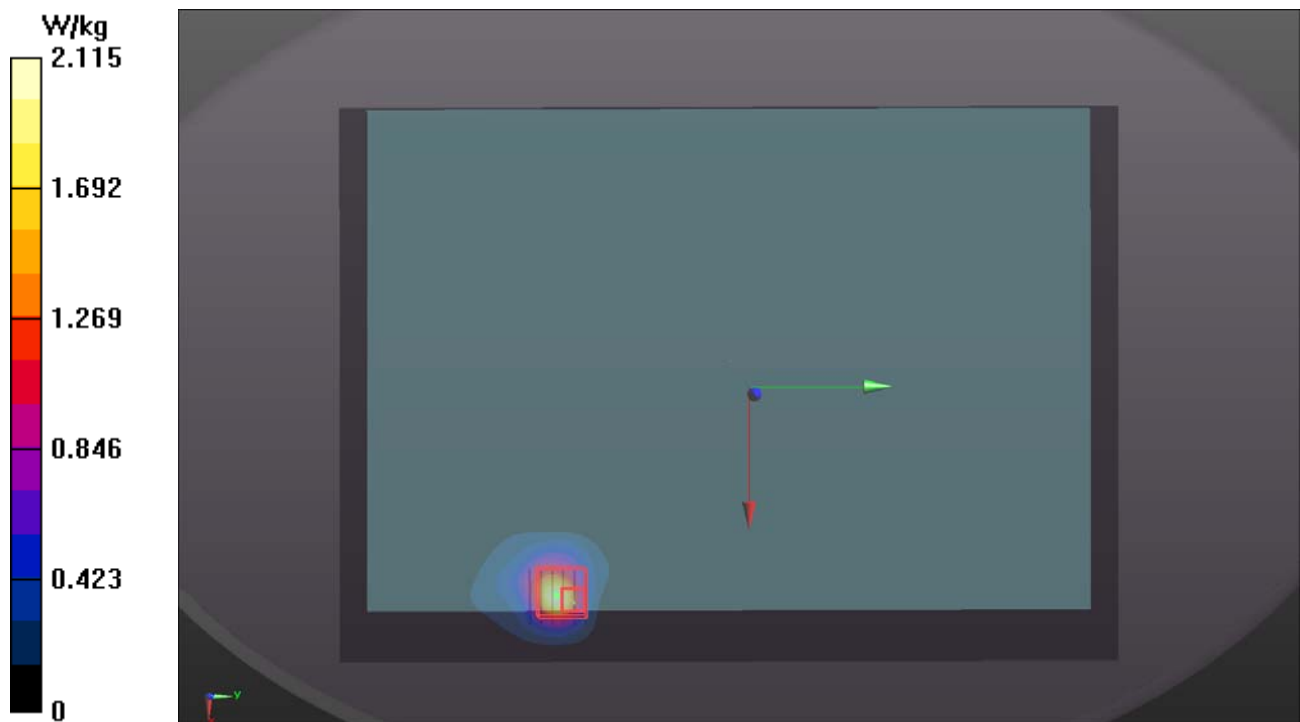
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 20.02 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 4.65 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 2.72 W/kg



P20 BT_BR_EDR_Bottom_0mm_Ch39_Ant1**DUT: 180315C04**

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: B19T27N1_0426 Medium parameters used: $f = 2441$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 52.216$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.68, 7.68, 7.68); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- **Area Scan (211x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0247 W/kg

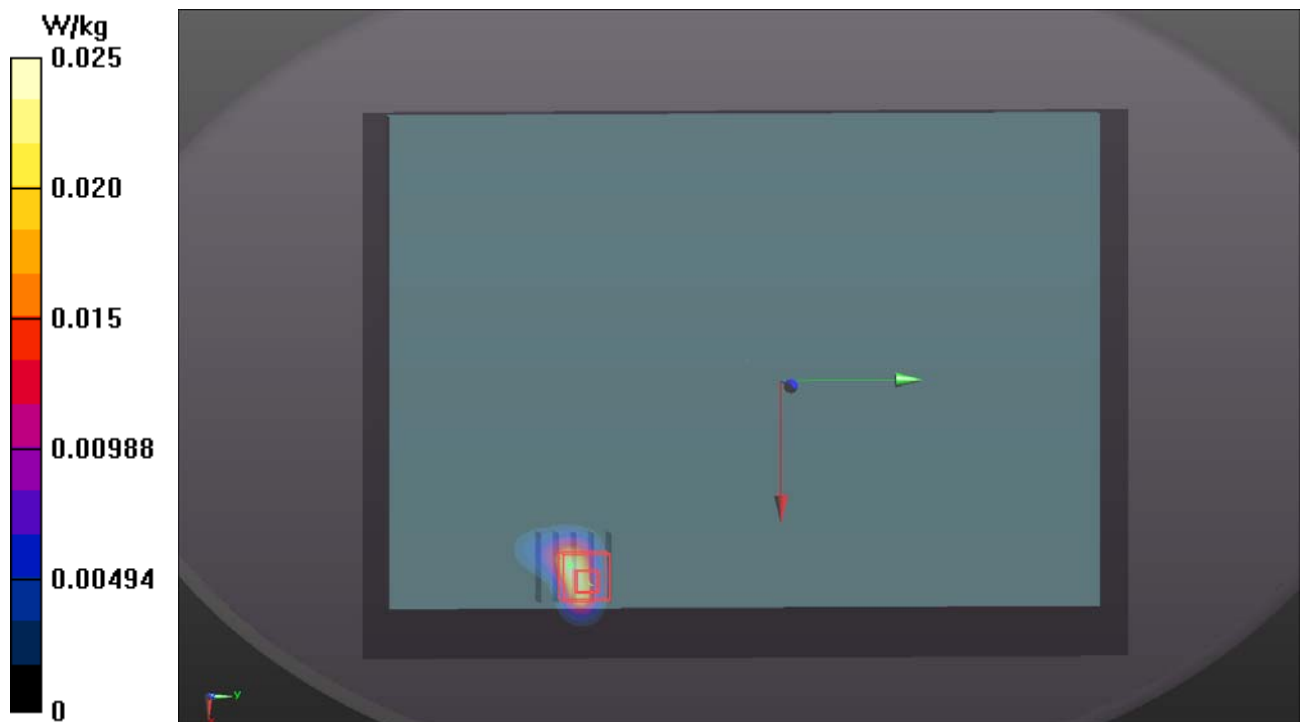
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.040 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0540 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0423 W/kg



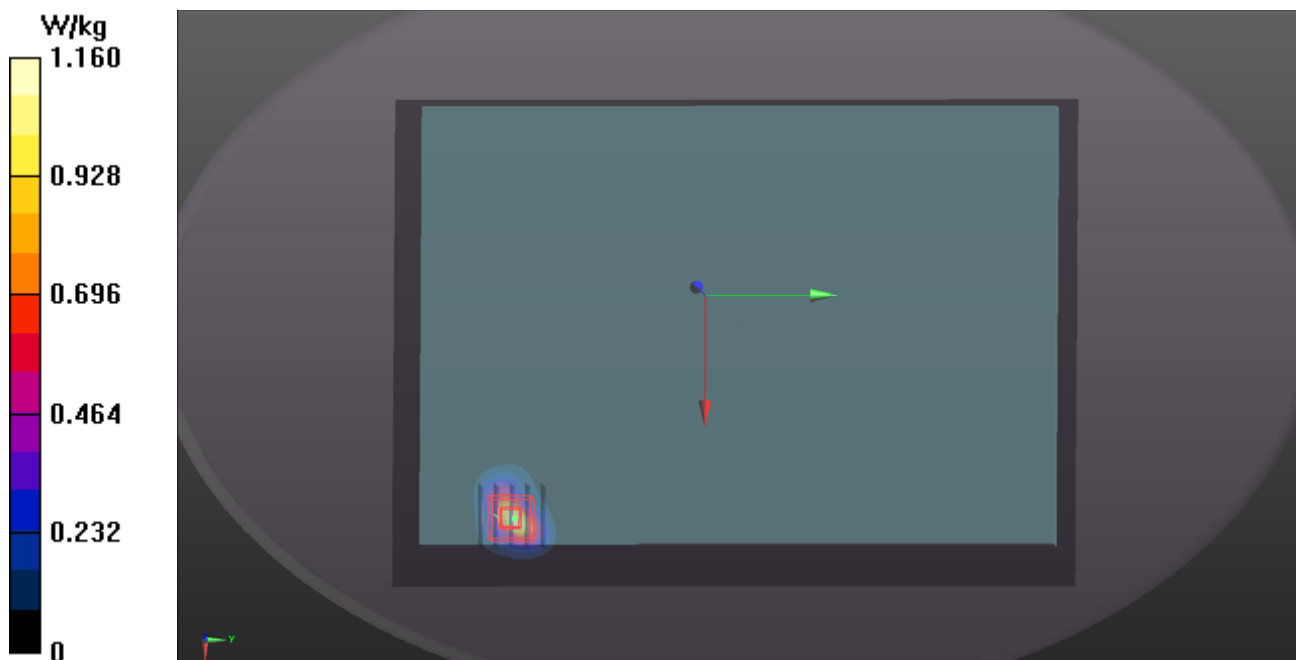
P21 WCDMA II_RMC12.2K_Rear Face_0mm_Ch9538_Power Reduction _w**DUT: 180315C04**

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

Medium: B16T20N1_0423 Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.562 \text{ S/m}$; $\epsilon_r = 51.45$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : 23.8°C ; Liquid Temperature : 23.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.08, 8.08, 8.08); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.16 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 17.36 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 2.40 W/kg **SAR(1 g) = 1.13 W/kg ; SAR(10 g) = 0.496 W/kg** Maximum value of SAR (measured) = 1.91 W/kg 

P22 WCDMA IV_RMC12.2K_Rear Face_0mm_Ch1312_Power Reduction _w**DUT: 180315C04**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0423 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 51.759$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.34, 8.34, 8.34); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.768 W/kg

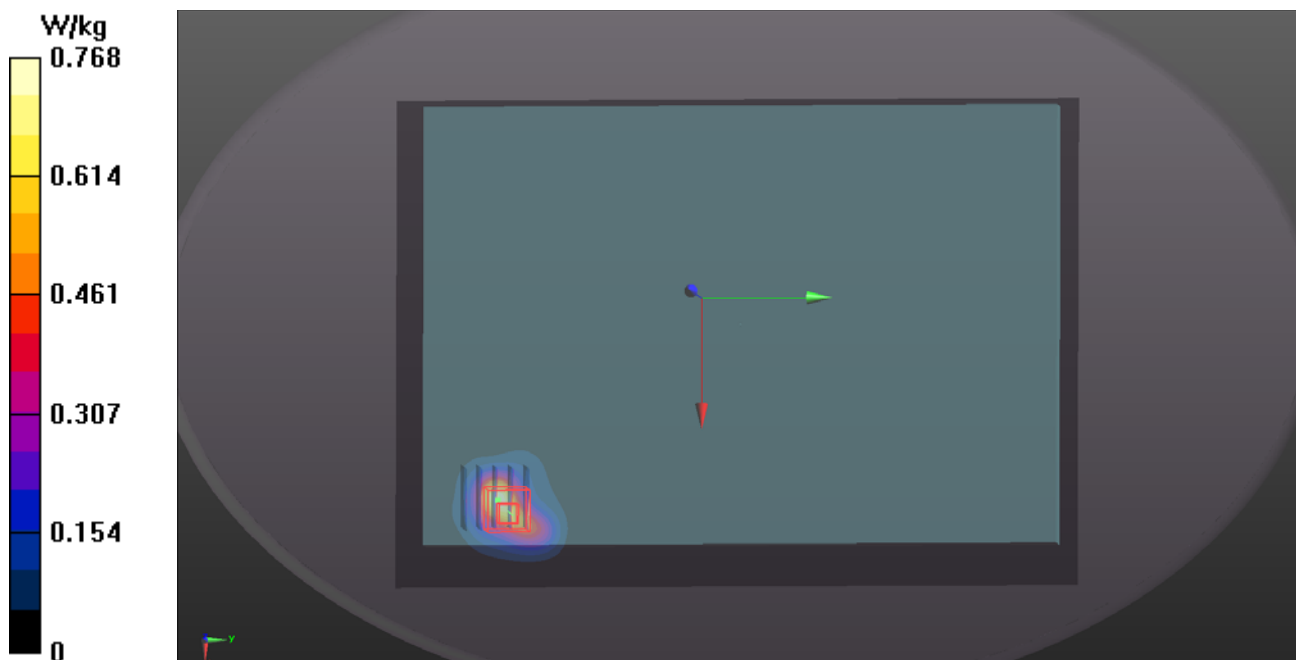
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 1.41 W/kg



P23 WCDMA V_RMC12.2K_Rear Face_0mm_Ch4233_Power Reduction _w**DUT: 180315C04**

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

Medium: B07T10N1_0424 Medium parameters used: $f = 846.6$ MHz; $\sigma = 1.018$ S/m; $\epsilon_r = 54.093$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.15, 10.15, 10.15); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

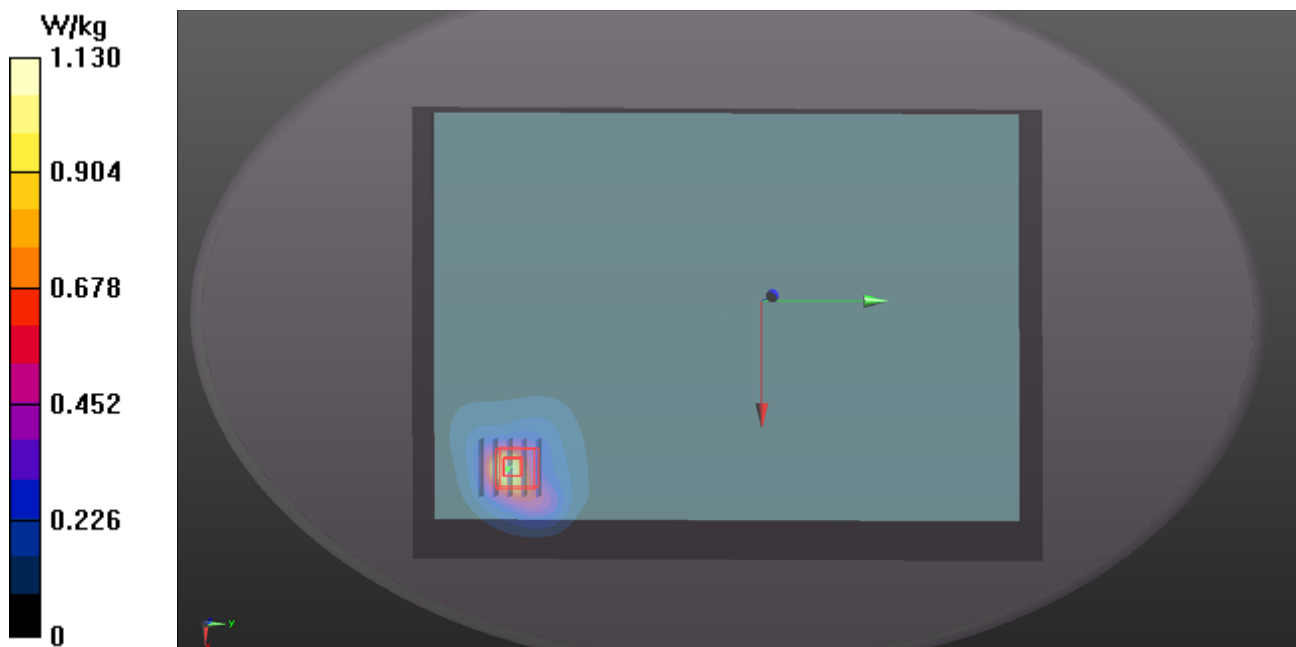
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.75 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.262 W/kg

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



P24 LTE 2_QPSK20M_Rear Face_0mm_Ch19100_50RB_OS0_Power Reduction_w**DUT: 180315C04**

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

Medium: B16T20N1_0424 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.584$ S/m; $\epsilon_r = 51.781$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.59 W/kg

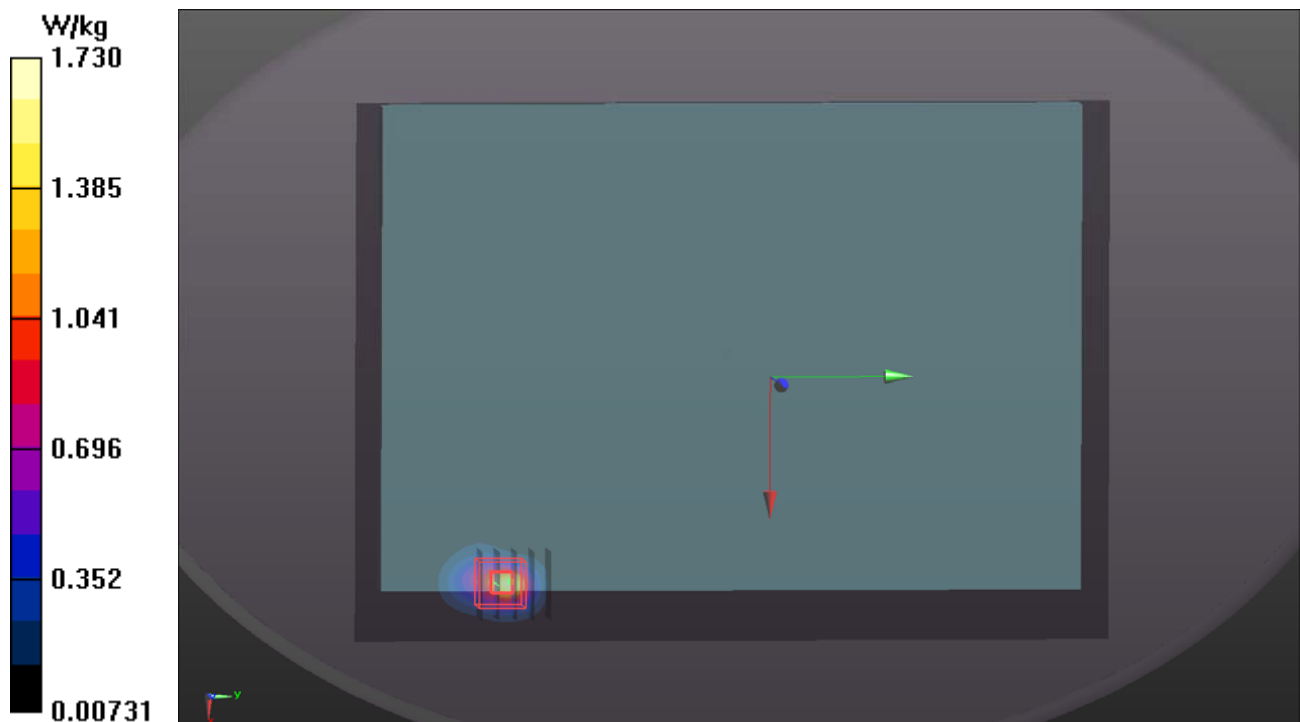
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.63 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.472 W/kg

Maximum value of SAR (measured) = 1.73 W/kg



P25 LTE 4_QPSK20M_Rear Face_0mm_Ch20300_50RB_OS0_Power Reduction_w**DUT: 180315C04**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0424 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.453$ S/m; $\epsilon_r = 52.183$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.77, 7.77, 7.77); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.74 W/kg

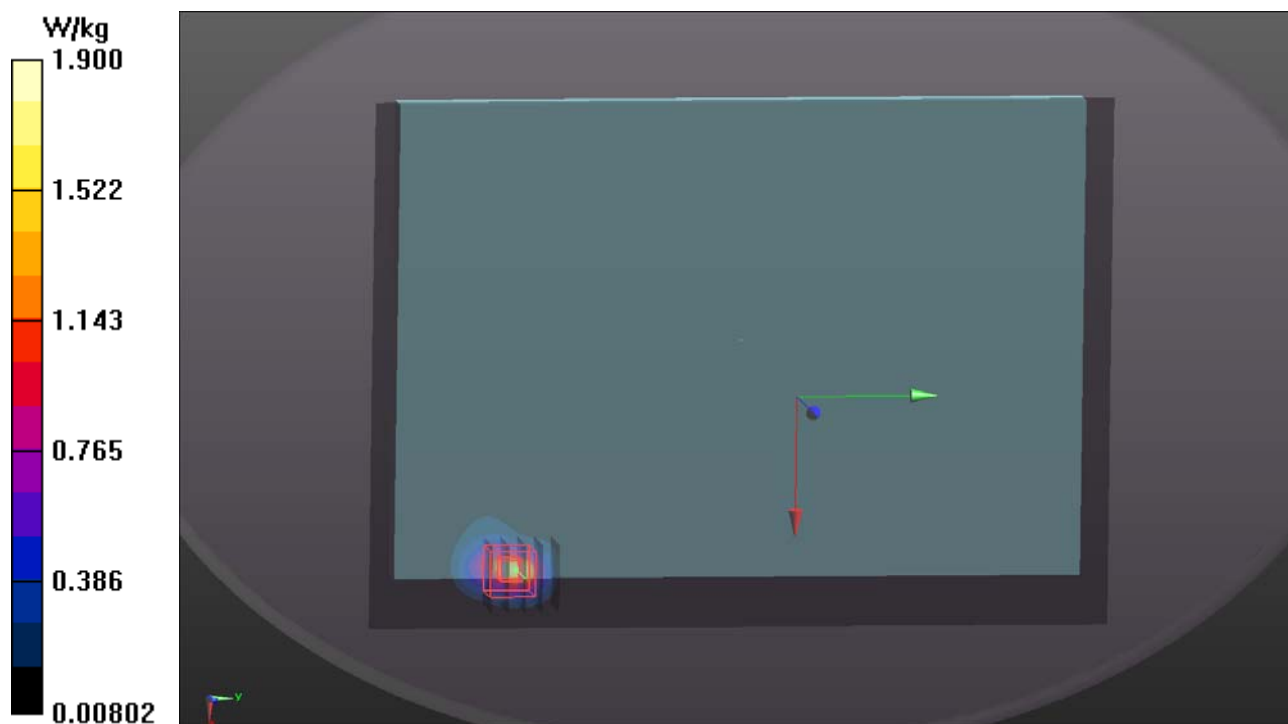
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.73 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.538 W/kg

Maximum value of SAR (measured) = 1.90 W/kg



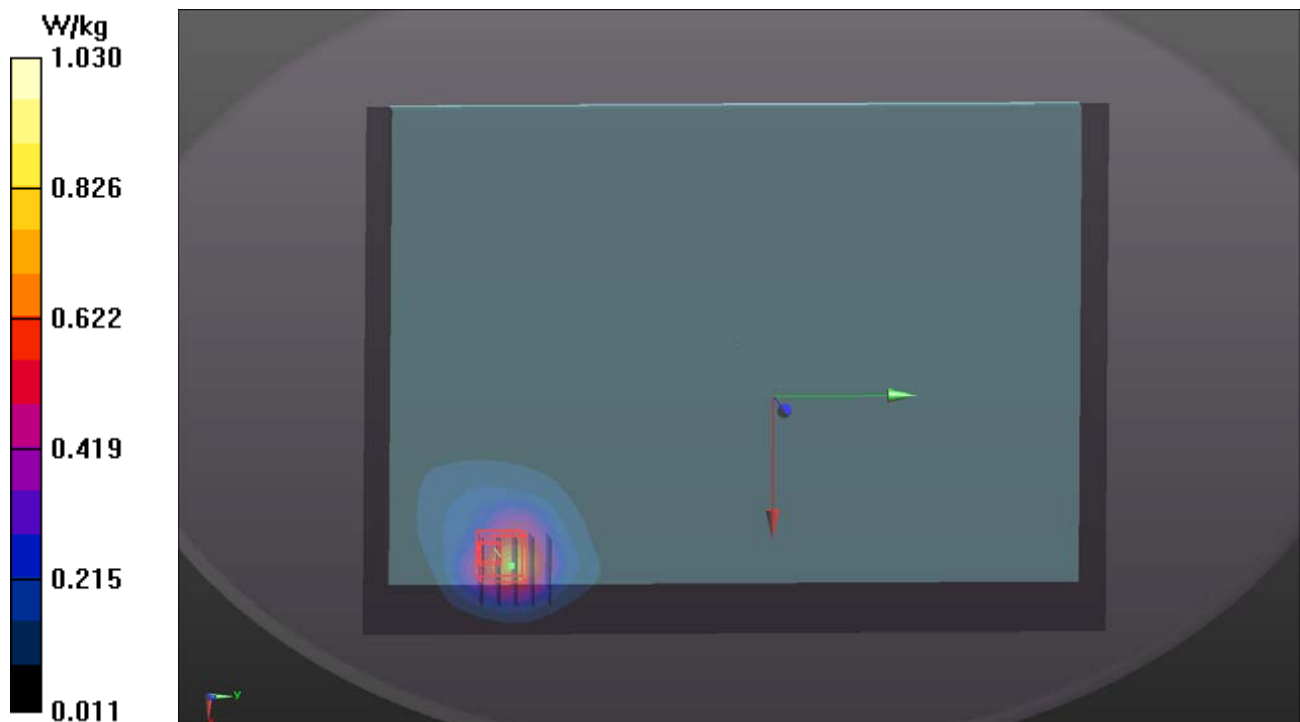
P26 LTE 5_QPSK10M_Rear Face_0mm_Ch20450_25RB_OS0_Power Reduction _w**DUT: 180315C04**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B07T10N1_0424 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.967 \text{ S/m}$; $\epsilon_r = 56.153$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.813 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 25.83 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 1.53 W/kg **SAR(1 g) = 0.589 W/kg ; SAR(10 g) = 0.282 W/kg** Maximum value of SAR (measured) = 1.03 W/kg 

P27 LTE 7_QPSK20M_Rear Face_0mm_Ch20850_50RB_OS0_Power Reduction _w**DUT: 180315C04**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.065$ S/m; $\epsilon_r = 51.219$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (221x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

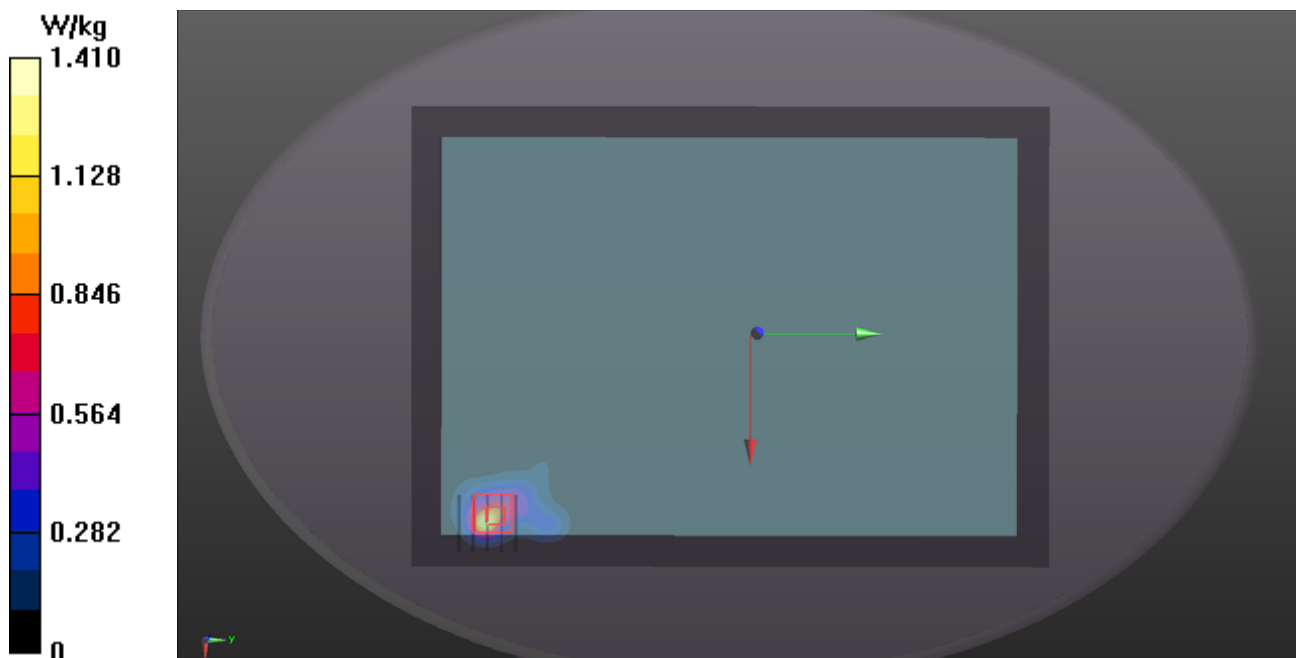
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.11 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.449 W/kg

Maximum value of SAR (measured) = 1.61 W/kg



P28 LTE 12_QPSK10M_Rear Face_0mm_Ch23060_1RB_OS24_Power Reduction _w**DUT: 180315C04**

Communication System: LTE; Frequency: 704 MHz; Duty Cycle: 1:1

Medium: B06T09N1_0424 Medium parameters used: $f = 704$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 54.282$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

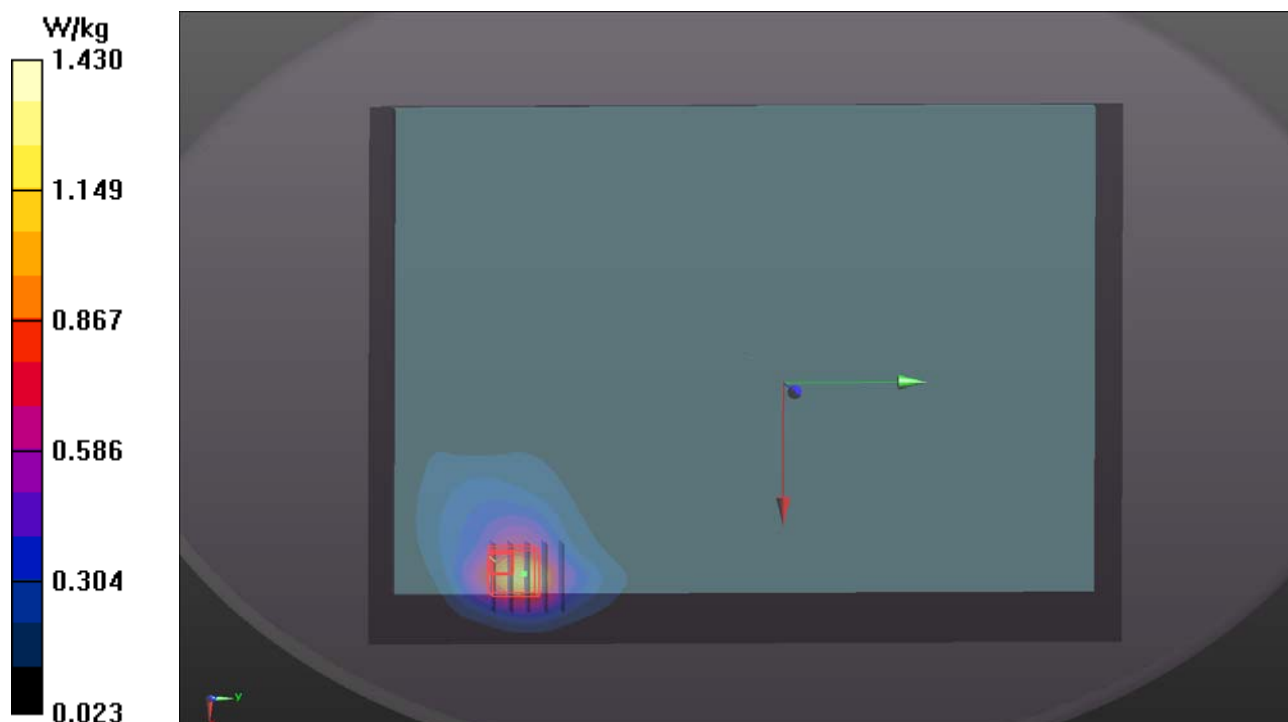
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.40 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.401 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



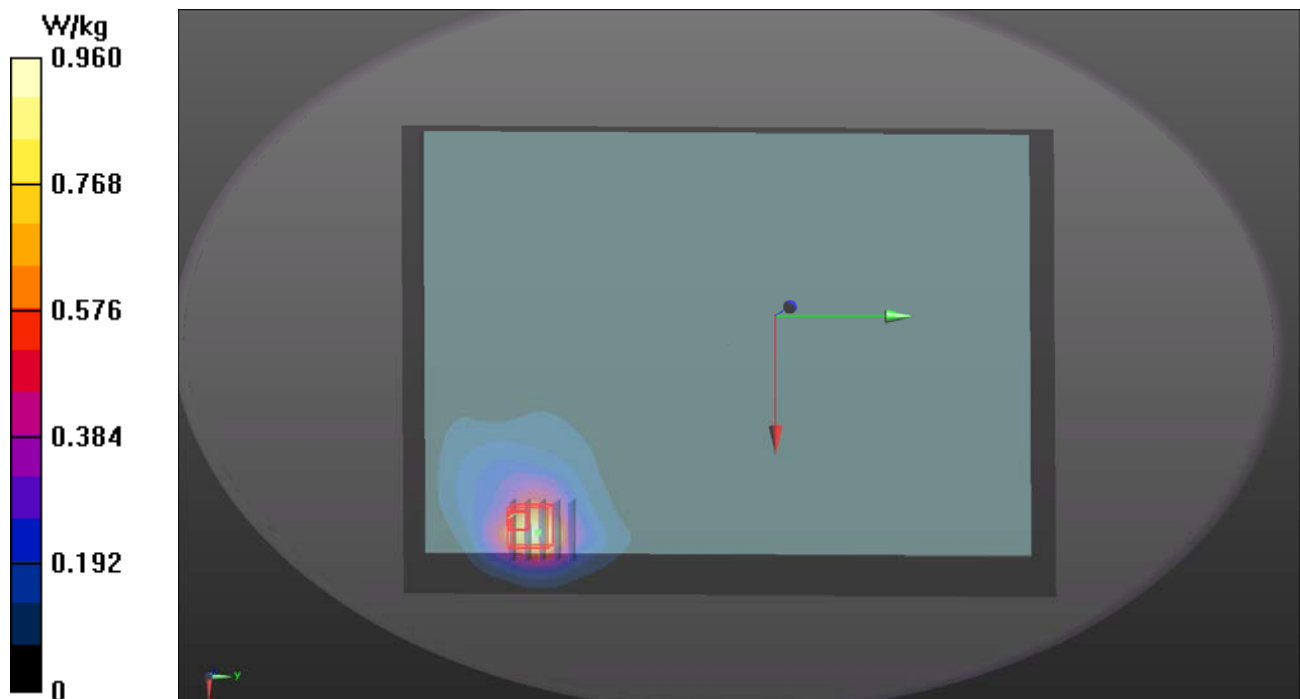
P29 LTE 13_QPSK10M_Rear Face_0mm_Ch23230_25RB_OS0_Power Reduction_w**DUT: 180315C04**

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

Medium: B06T09N1_0424 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 53.474$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.960 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.61 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 1.96 W/kg **SAR(1 g) = 0.640 W/kg ; SAR(10 g) = 0.322 W/kg** Maximum value of SAR (measured) = 1.31 W/kg 

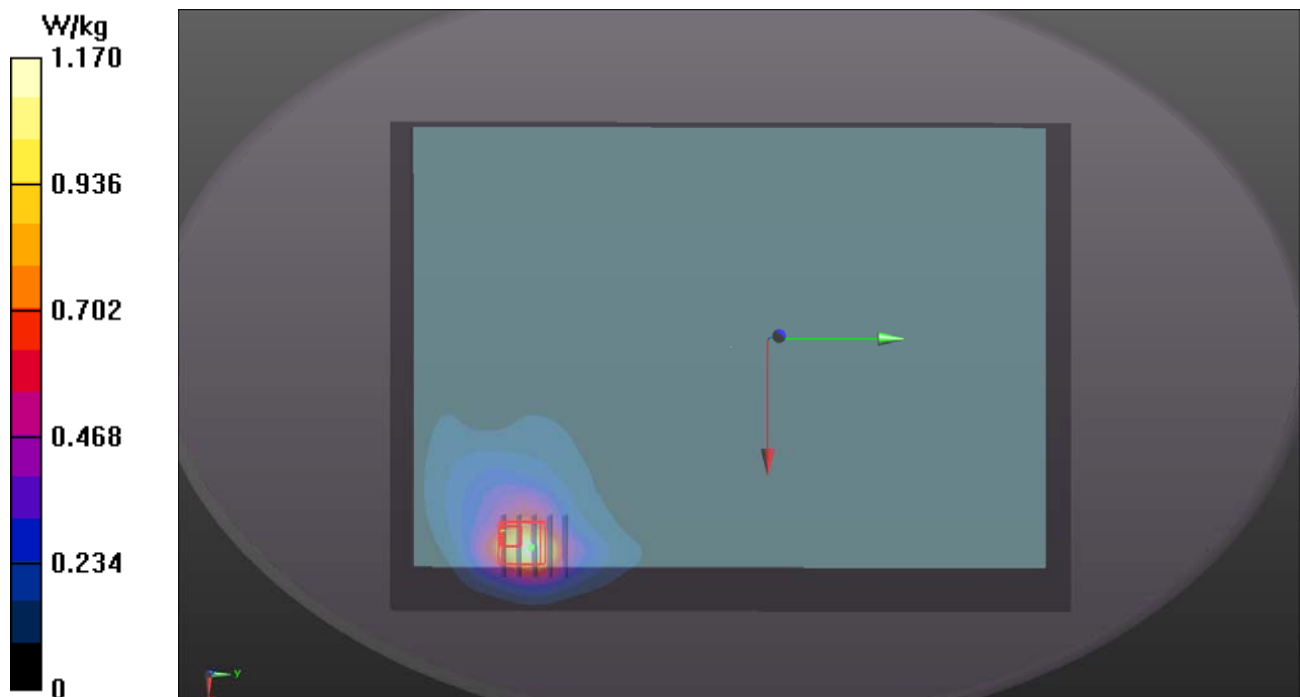
P30 LTE 17_QPSK10M_Rear Face_0mm_Ch23780_1RB_OS49_Power Reduction_w**DUT: 180315C04**

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

Medium: B06T09N1_0424 Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 54.24$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature : $23.6 \text{ }^\circ\text{C}$; Liquid Temperature : $23.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.17 W/kg **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 33.29 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 2.07 W/kg **SAR(1 g) = 0.712 W/kg ; SAR(10 g) = 0.378 W/kg** Maximum value of SAR (measured) = 1.38 W/kg 

P31 LTE 26_QPSK15M_Rear Face_0mm_Ch26765_1RB_OS37_Power Reduction_w**DUT: 180315C04**

Communication System: LTE; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium: B07T10N1_0424 Medium parameters used: $f = 821.5$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 56.222$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.673 W/kg

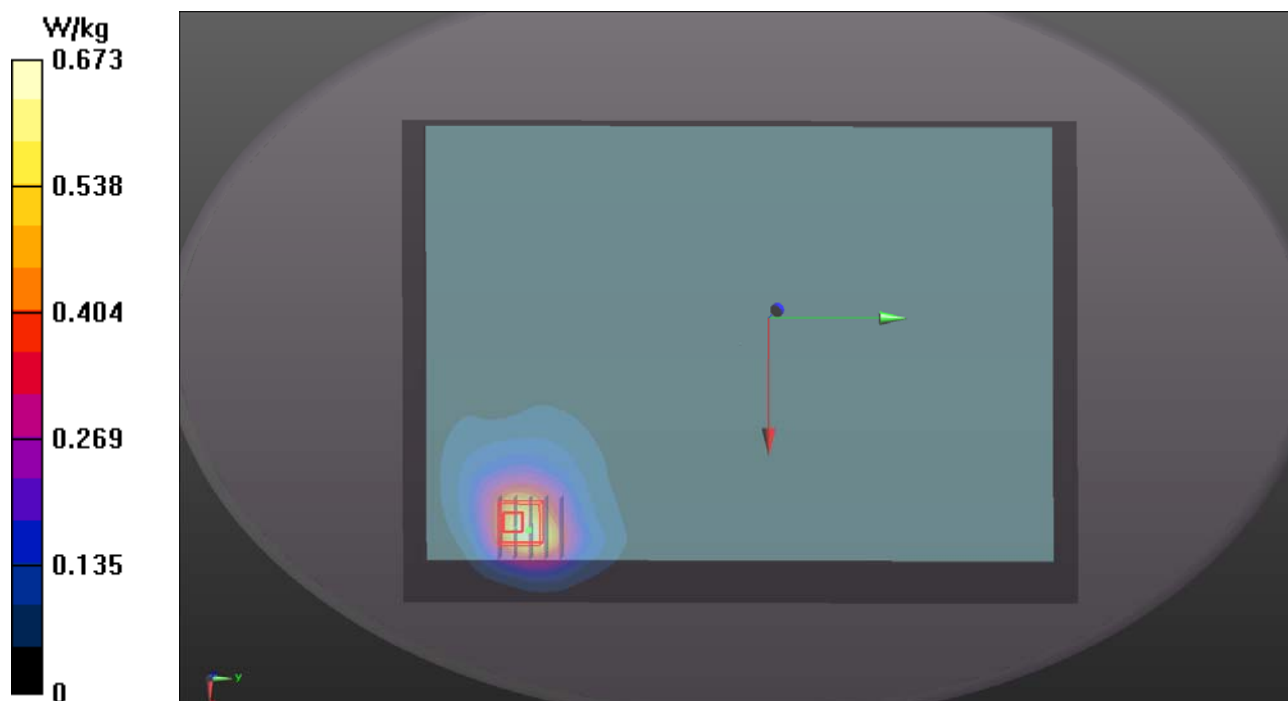
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



P32 LTE 30_QPSK10M_Rear Face_20mm_Ch27710_1RB_OS0_Power Reduction _w_o**DUT: 180315C04**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: B19T27N5_0423 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 51.716$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

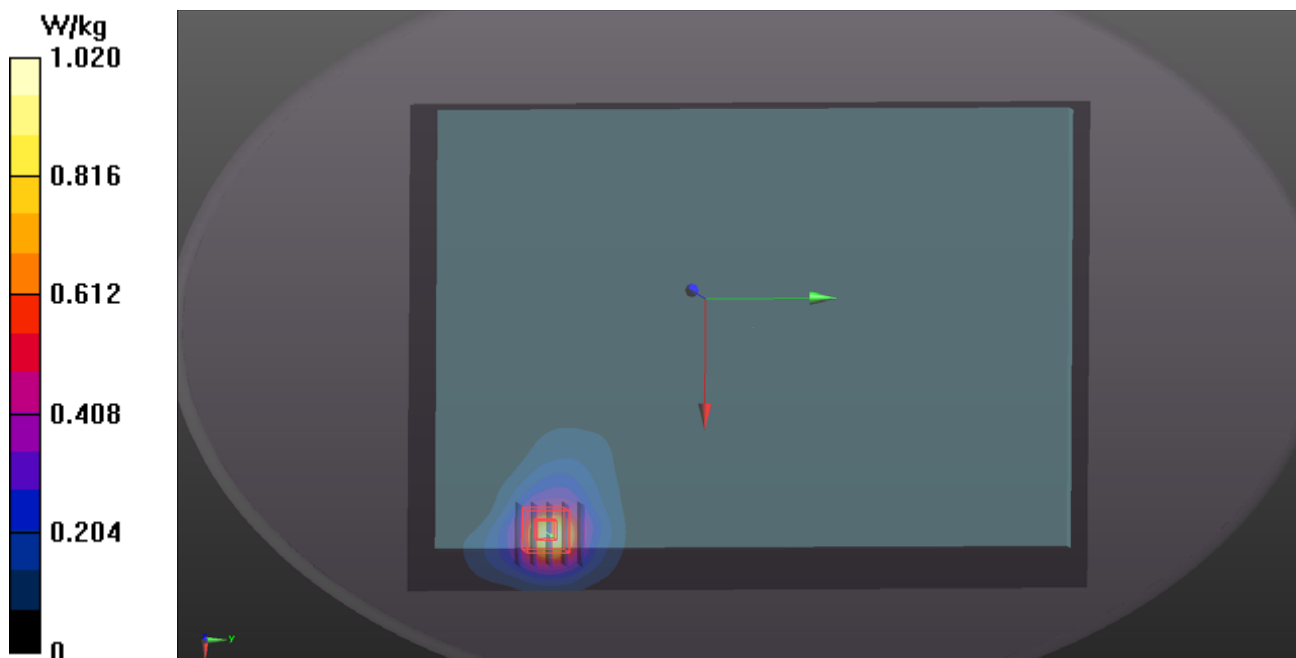
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.99 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.410 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



P33 LTE 38_QPSK20M_Rear Face_0mm_Ch37850_1RB_OS99_Power Reduction _w**DUT: 180315C04**

Communication System: LTE TDD CF0; Frequency: 2580 MHz; Duty Cycle: 1:1.58

Medium: B19T27N5_0423 Medium parameters used: $f = 2580$ MHz; $\sigma = 2.146$ S/m; $\epsilon_r = 51.018$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 22018/03/16
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7417)

- Area Scan (221x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

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

Reference Value = 20.75 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.432 W/kg

Maximum value of SAR (measured) = 1.77 W/kg



P34 LTE 41_QPSK20M_Rear Face_0mm_Ch40185_1RB_OS0_Power Reduction _w**DUT: 180315C04**

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz; Duty Cycle: 1:1.58

Medium: B19T27N5_0423 Medium parameters used: $f = 2550$ MHz; $\sigma = 2.112$ S/m; $\epsilon_r = 51.105$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.36, 7.36, 7.36); Calibrated: 2018/03/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2017/03/20
- Phantom: ELI Phantom_1039; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

- Area Scan (221x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

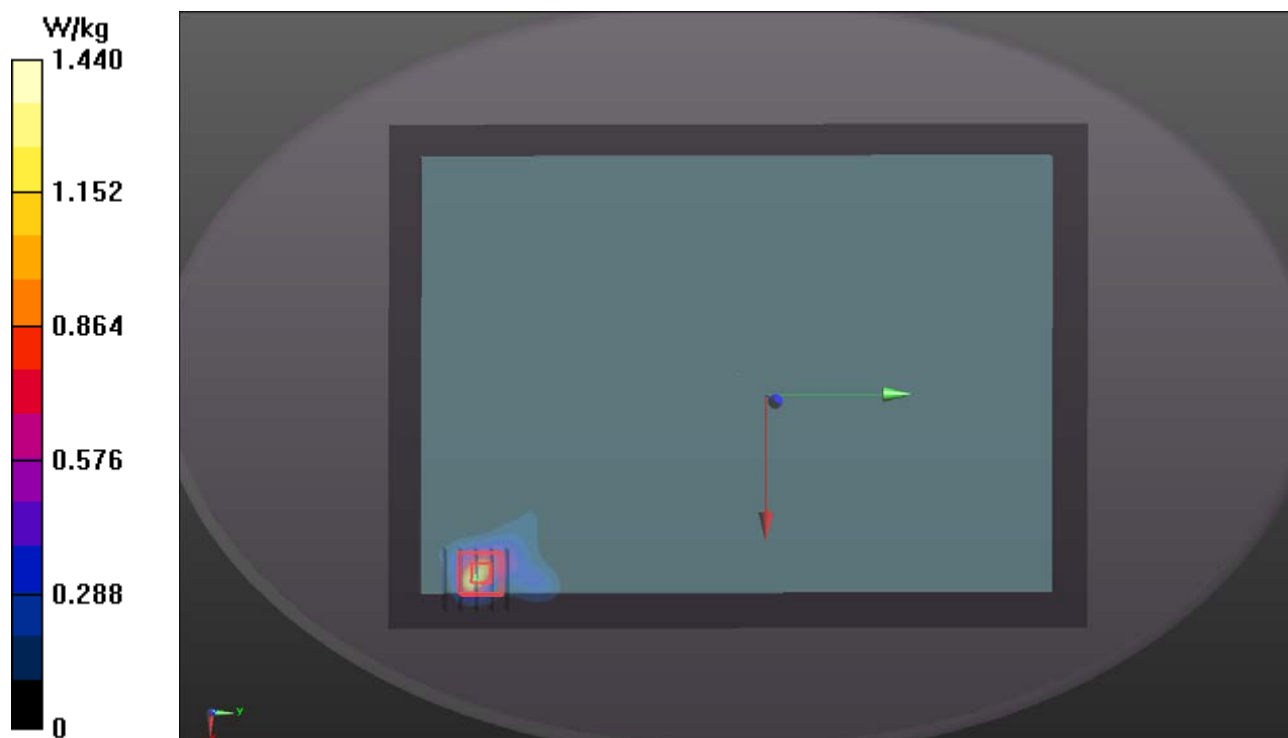
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.993 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 1.67 W/kg



P35 LTE 66_QPSK20M_Rear Face_0mm_Ch132072_1RB_OS0_Power Reduction_w**DUT: 180315C04**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: B16T20N1_0424 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 52.276$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.77, 7.77, 7.77); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

- Area Scan (171x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

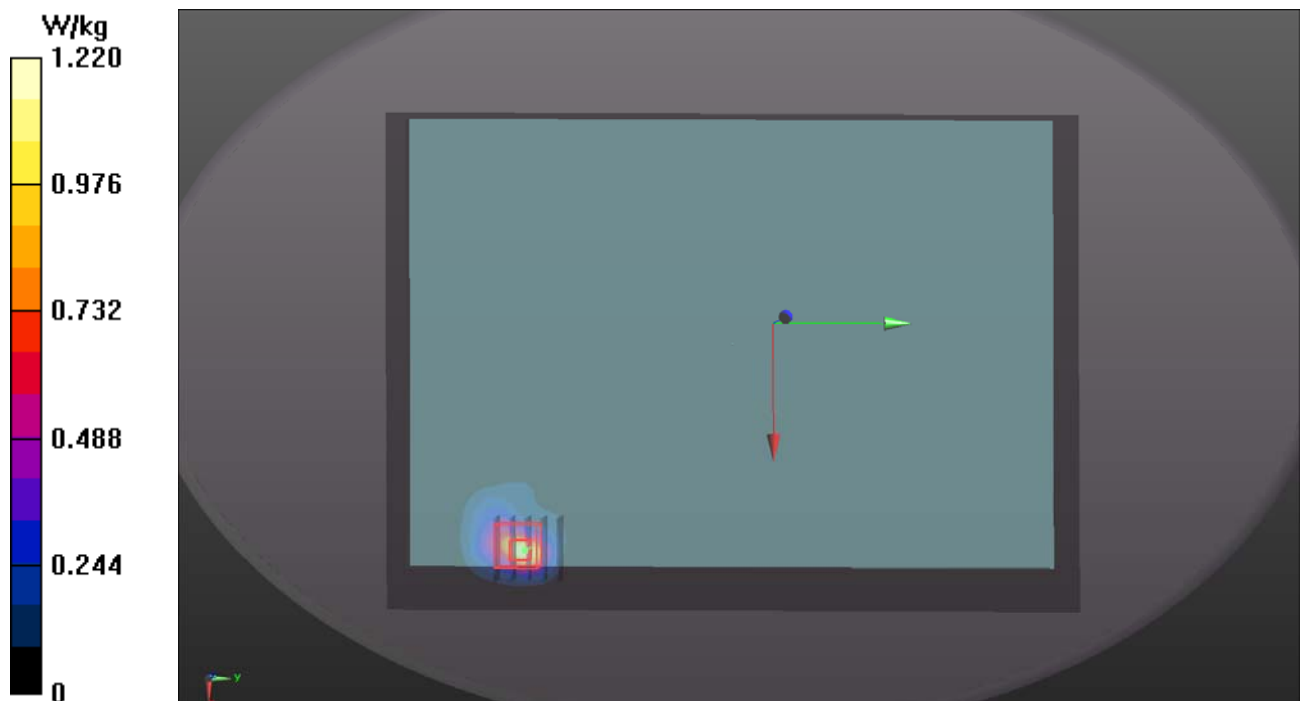
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.95 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



P36 WLAN2.4G_802.11n HT20_Rear Face_0mm_Ch6_Ant0+1**DUT: 180315C04**

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

Medium: B19T27N3_0504 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 51.43$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

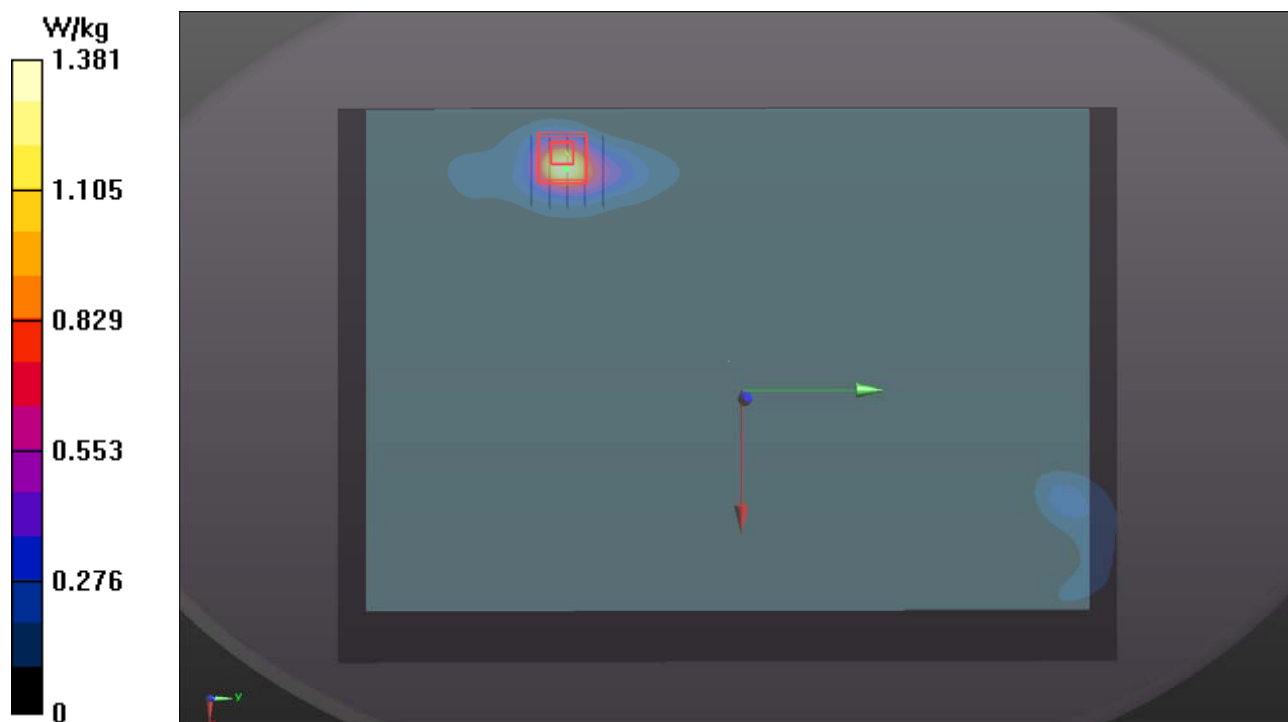
- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.75 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 2.19 W/kg



P37 WLAN5G_802.11ac VHT80_Rear Face_0mm_Ch58_Ant0**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5290$ MHz; $\sigma = 5.31$ S/m; $\epsilon_r = 49.498$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.39, 4.39, 4.39); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.258 W/kg

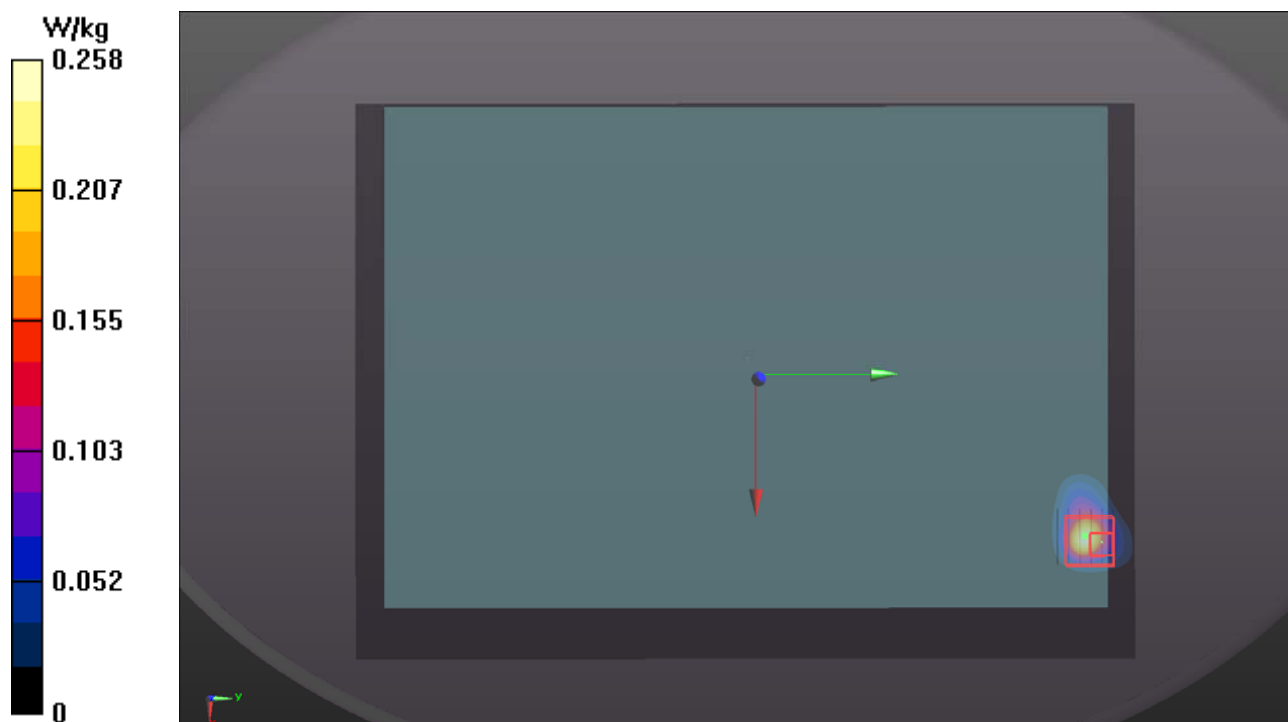
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=2$ mm

Reference Value = 6.975 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 5.49 W/kg

SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



P38 WLAN5G_802.11ac VHT80_Rear Face_0mm_Ch106_Ant0+1**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5530$ MHz; $\sigma = 5.617$ S/m; $\epsilon_r = 49.123$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(3.94, 3.94, 3.94); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

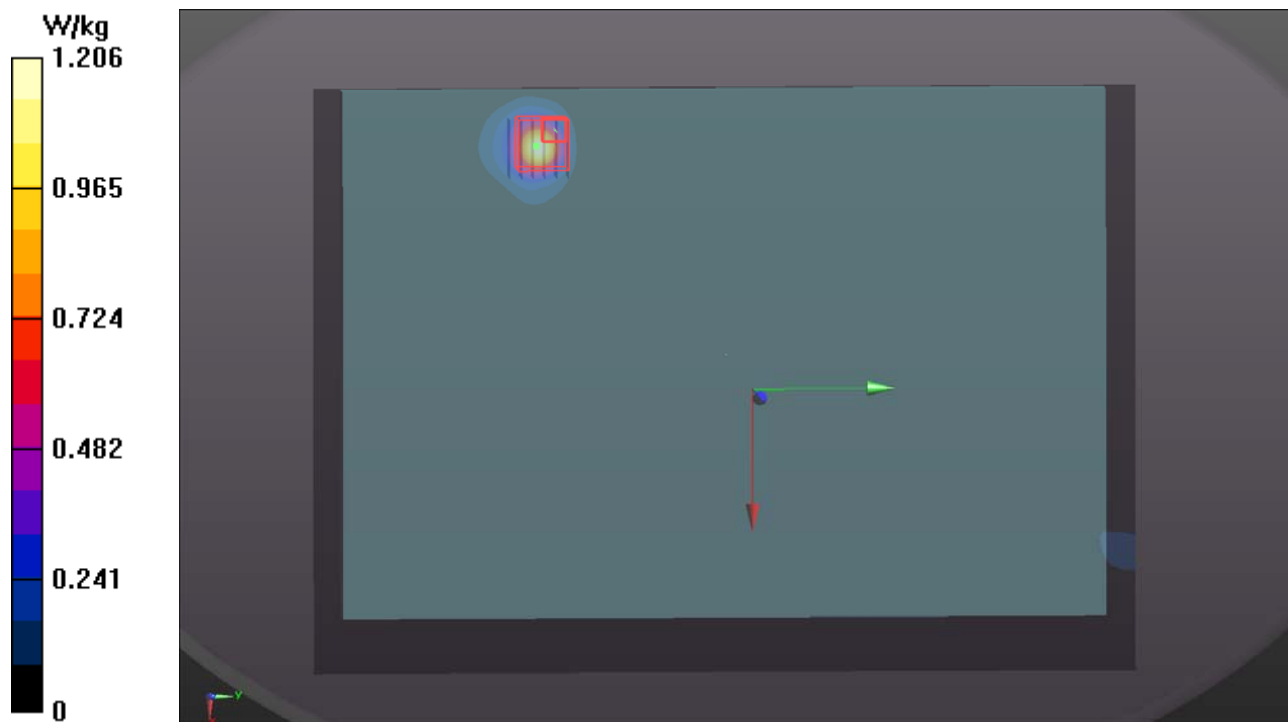
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 15.61 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 1.92 W/kg



P39 WLAN5G_802.11ac VHT80_Rear Face_0mm_Ch155_Ant0+1**DUT: 180315C04**

Communication System: WLAN_5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: B34T60N1_0503 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.954$ S/m; $\epsilon_r = 48.775$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.04, 4.04, 4.04); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (251x351x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.65 W/kg

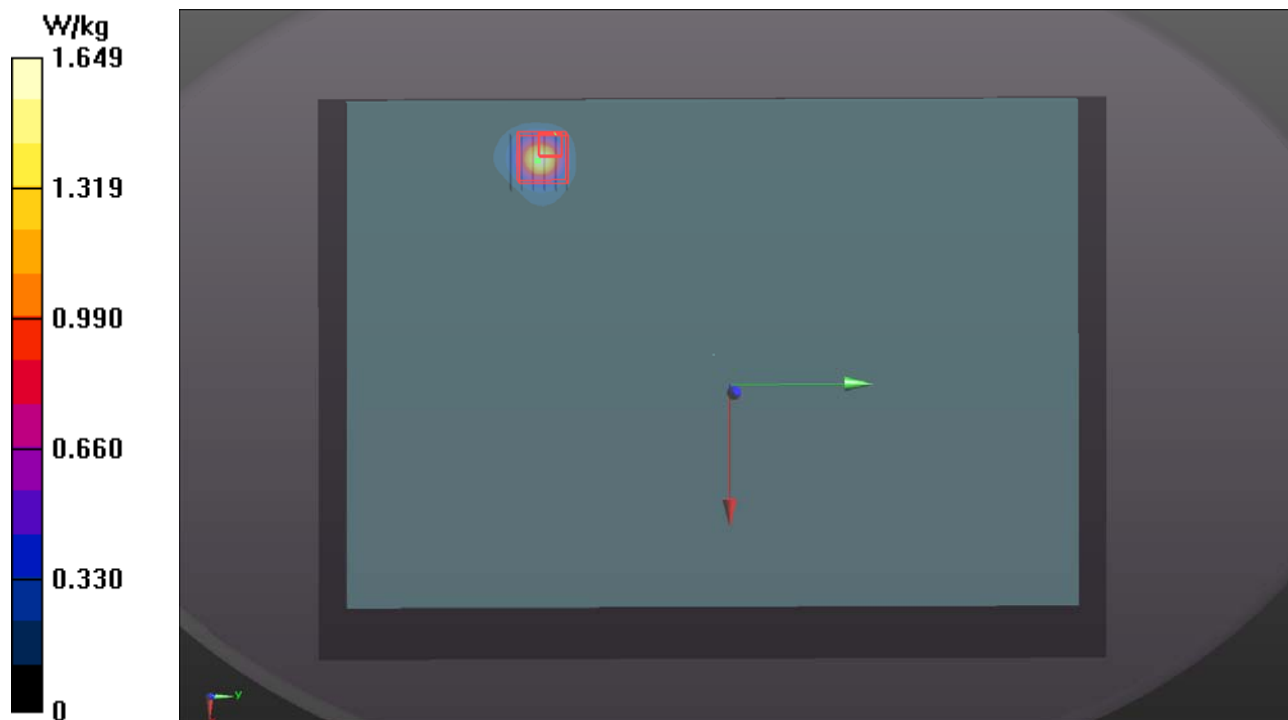
- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 18.46 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 4.17 W/kg

SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 2.25 W/kg



P40 BT_Rear Face_0mm_Ch39**DUT: 180315C04**

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: B19T27N1_0425 Medium parameters used: $f = 2441$ MHz; $\sigma = 2.036$ S/m; $\epsilon_r = 52.081$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/06/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: ELI Phantom_1245; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7373)

- Area Scan (211x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.486 W/kg

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

Reference Value = 15.60 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.752 W/kg

