

## **Appendix A-1 SAR Plots of System Verification (Head)**

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

## System Check\_H750\_210124

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

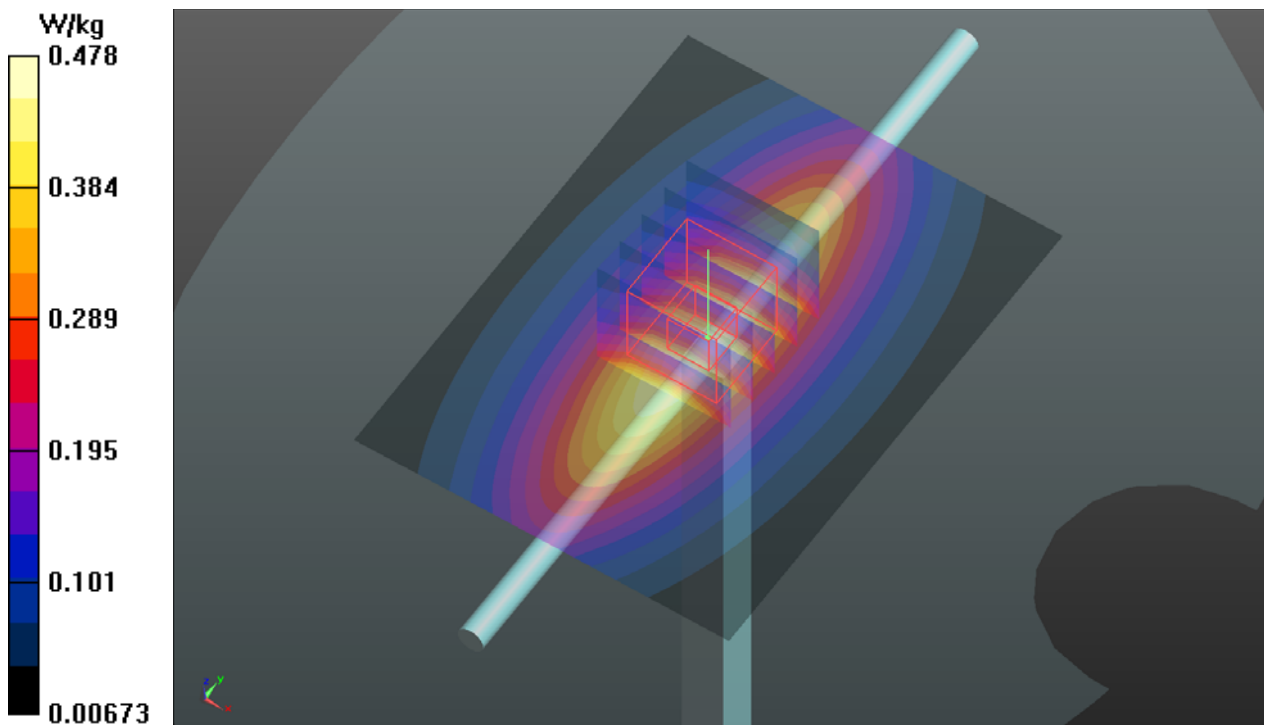
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1  
Medium: H06T09N1\_0124 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 43.887$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.54, 10.54, 10.54) @ 750 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.478 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 23.55 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.550 W/kg  
**SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.276 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.477 W/kg



### System Check\_H835\_210303

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

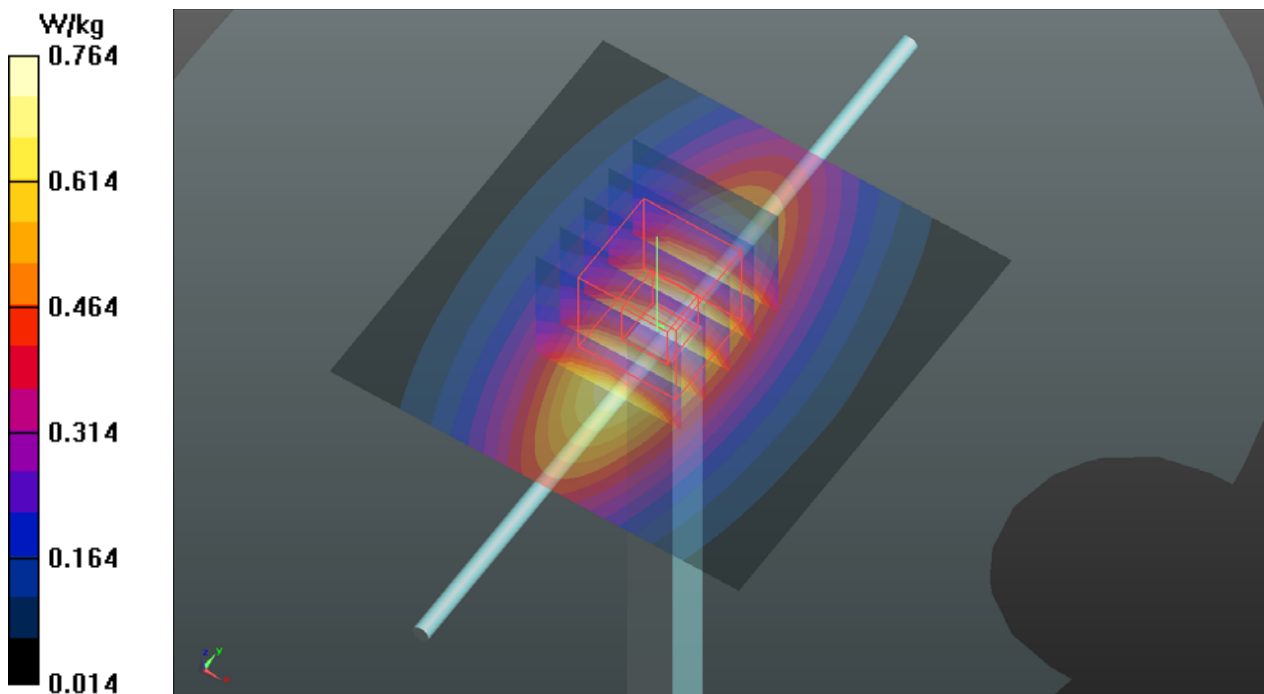
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium: H07T10N3\_0303 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 42.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(9.2, 9.2, 9.2) @ 835 MHz; Calibrated: 2020/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2020/06/22
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.764 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 30.54 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.908 W/kg  
**SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.285 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.797 W/kg



## System Check\_H1750\_210202

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

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0202 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.236$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.54, 8.54, 8.54) @ 1750 MHz; Calibrated: 2020/03/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2020/05/27
- Phantom: Twin-SAM V8.0\_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.11 W/kg

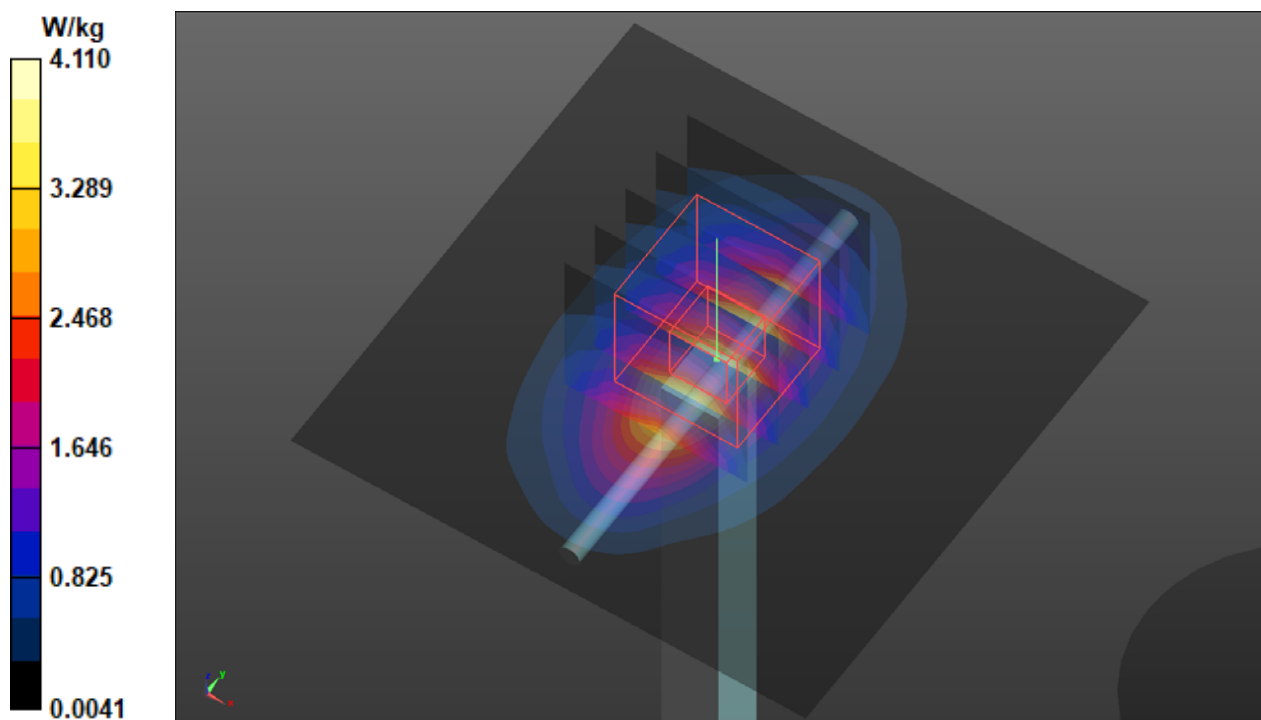
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.83 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 4.90 W/kg

**SAR(1 g) = 1.92 W/kg; SAR(10 g) = 0.909 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.16 W/kg



## System Check\_H1900\_210114

**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d018**

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0114 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 39.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.27 W/kg

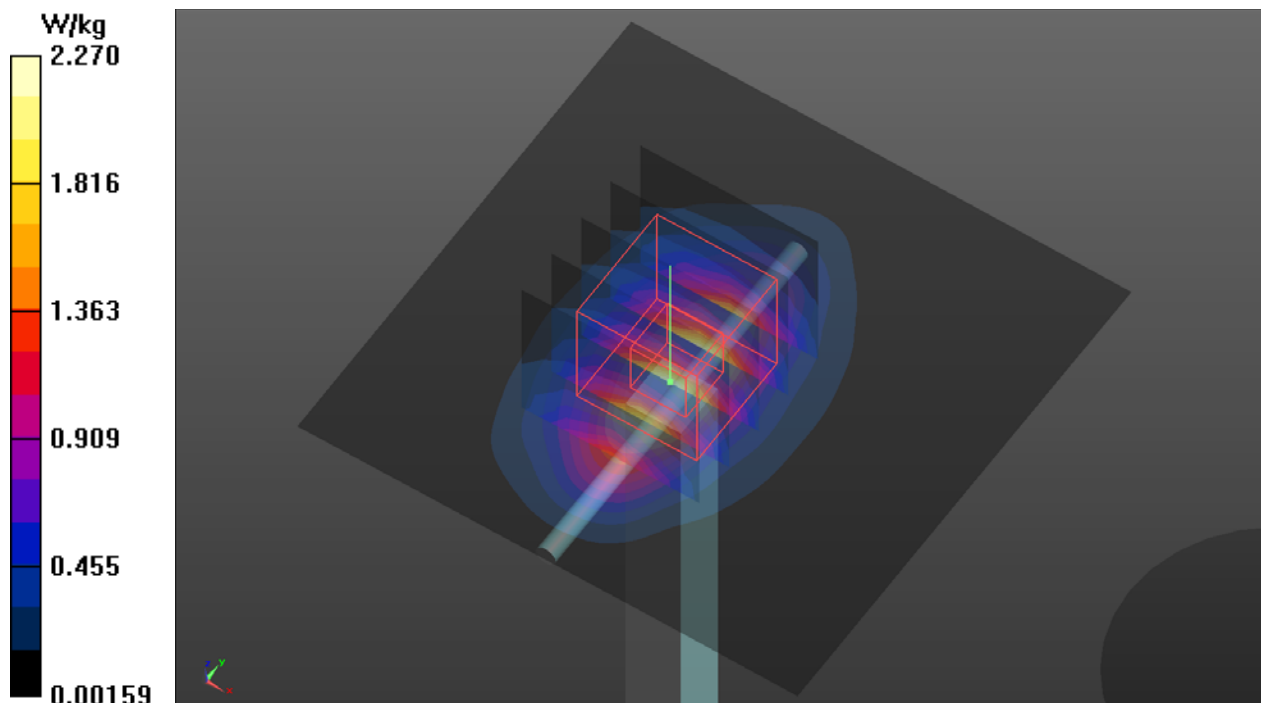
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.81 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.67 W/kg

**SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.03 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.24 W/kg



## System Check\_H2300\_210115

**DUT: Dipole 2300 MHz; Type: D2300V2; SN:1092**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0115 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.721$  S/m;  $\epsilon_r = 39.909$ ;  $\rho = 1000$  kg/m<sup>3</sup>

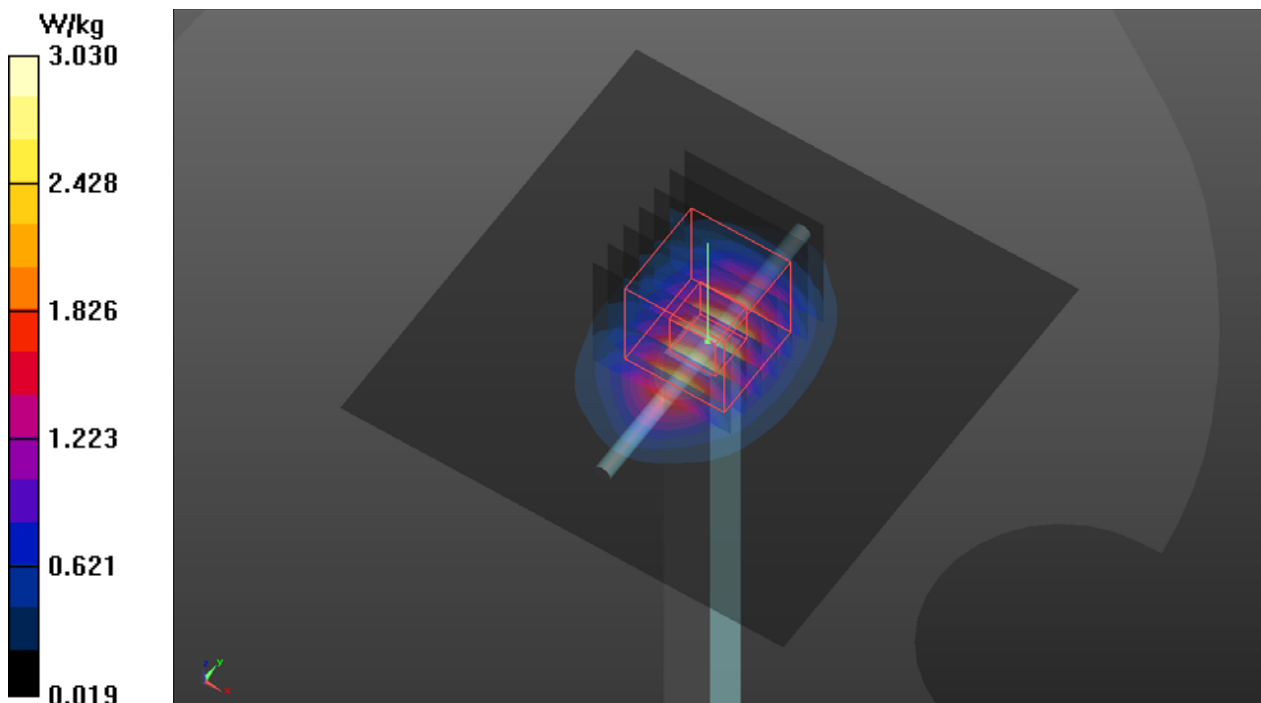
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.62, 7.62, 7.62) @ 2300 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 3.02 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 43.00 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 3.72 W/kg  
**SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.17 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 3.03 W/kg



## System Check\_H2600\_210114

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

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0114 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.022$  S/m;  $\epsilon_r = 37.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.28, 7.28, 7.28) @ 2600 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

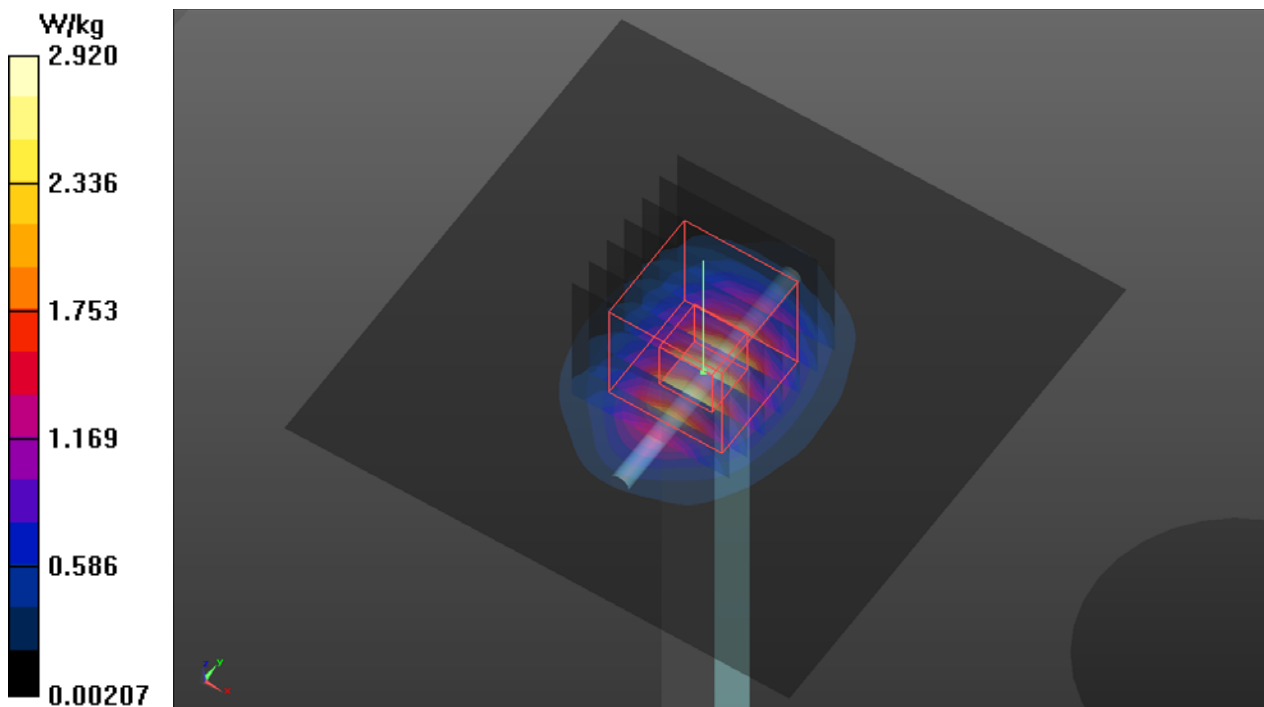
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.55 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.29 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.91 W/kg



## System Check\_H3500\_210226

**DUT: Dipole 3500 MHz; Type:D3500V2; SN: 1007**

Communication System: UID 0, CW; Frequency: 3500 MHz;Duty Cycle: 1:1

Medium: H33T42N1\_0226 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.922$  S/m;  $\epsilon_r = 37.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>

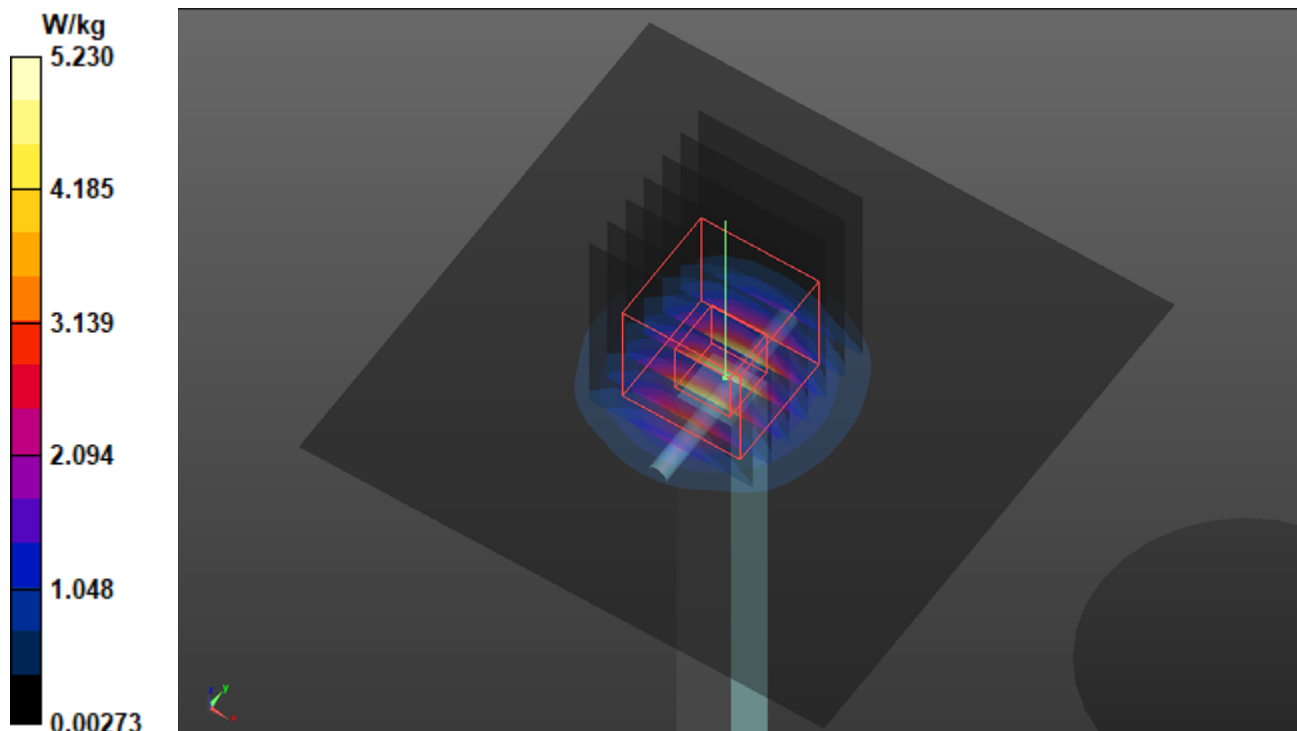
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.81, 6.81, 6.81) @ 3500 MHz; Calibrated: 2020/03/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2020/05/27
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.23 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 44.70 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 7.16 W/kg  
**SAR(1 g) = 2.96 W/kg; SAR(10 g) = 1.13 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.43 W/kg





## System Check\_H3700\_210124

**DUT: Dipole 3700 MHz; Type:D3700V2; SN: 1074**

Communication System: UID 0, CW; Frequency: 3700 MHz;Duty Cycle: 1:1

Medium: H33T42N0\_0124 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.108$  S/m;  $\epsilon_r = 36.401$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.07, 7.07, 7.07) @ 3700 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.82 W/kg

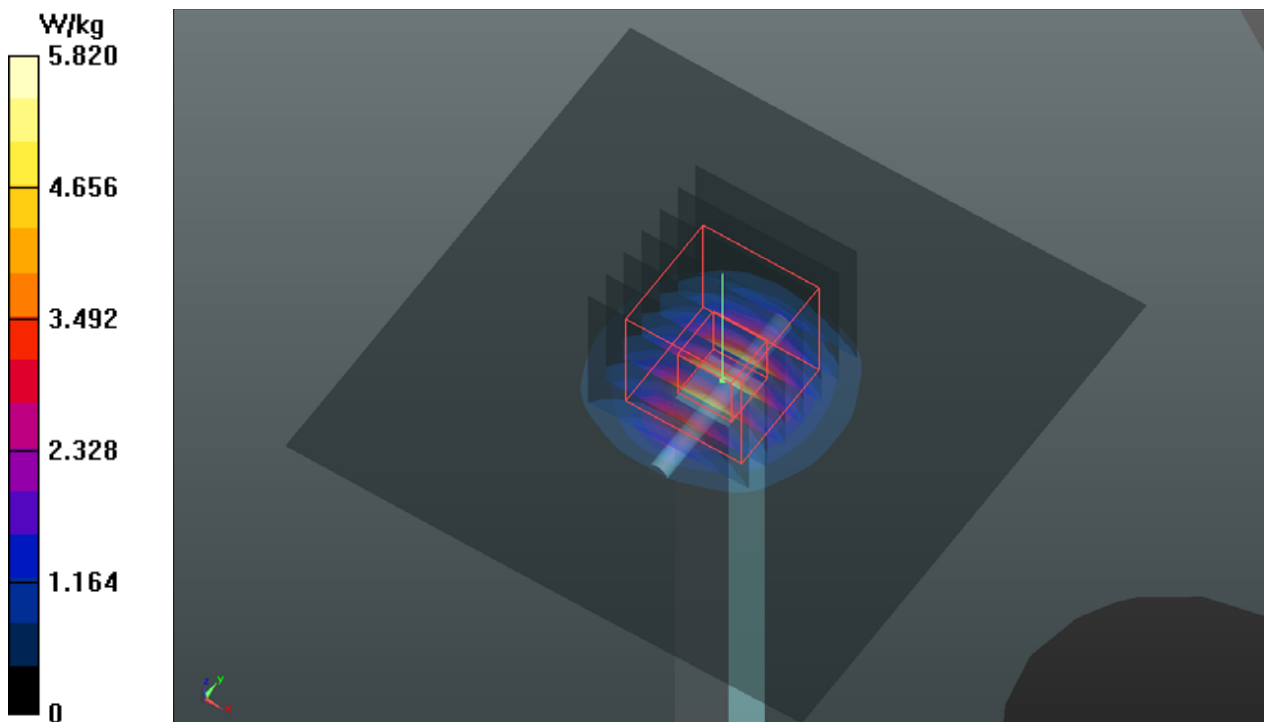
**Pin=50mW/Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 46.64 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 7.30 W/kg

**SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.19 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.62 W/kg



## System Check\_H3900\_210202

**DUT: Dipole 3900 MHz; Type:D3900V2; SN: 1020**

Communication System: UID 0, CW; Frequency: 3900 MHz;Duty Cycle: 1:1

Medium: H33T42N0\_0202 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.228$  S/m;  $\epsilon_r = 36.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

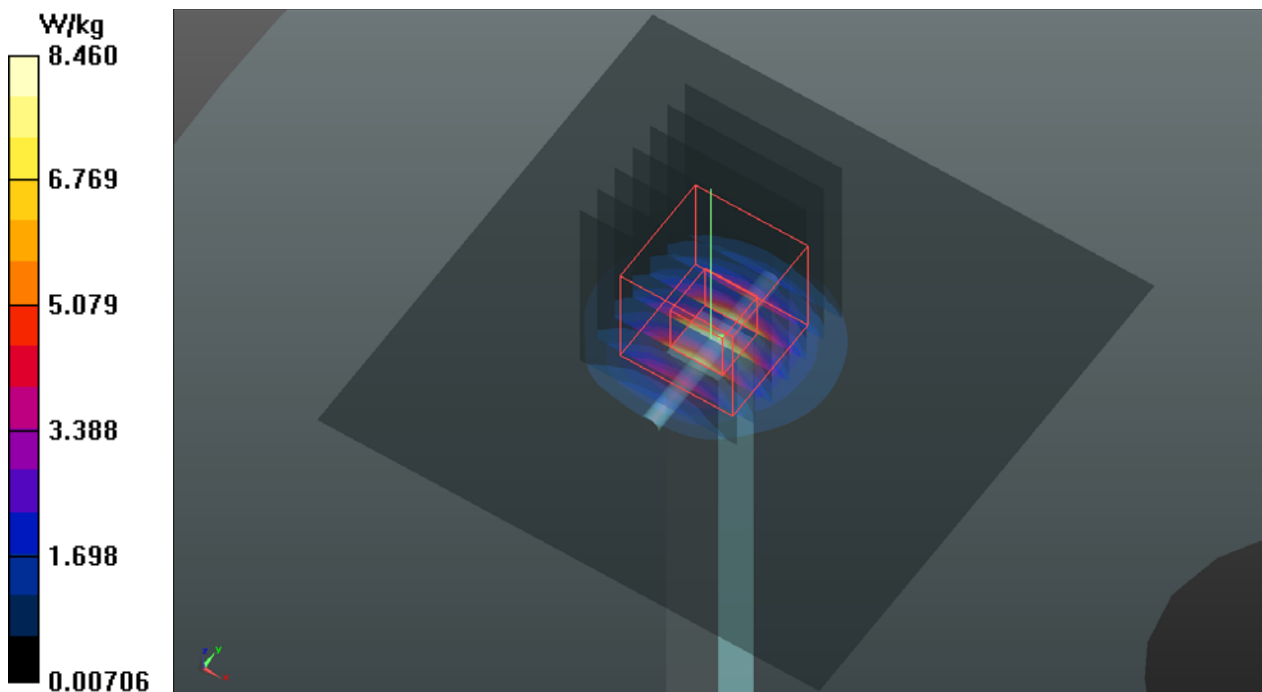
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(6.87, 6.87, 6.87) @ 3900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 8.46 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 52.00 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 12.4 W/kg  
**SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.44 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 9.22 W/kg



## System Check\_H5250\_210223

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

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N2\_0223 Medium parameters used (interpolated):  $f = 5250$  MHz;  $\sigma = 4.621$  S/m;  $\epsilon_r = 37.404$ ;  $\rho = 1000$  kg/m<sup>3</sup>

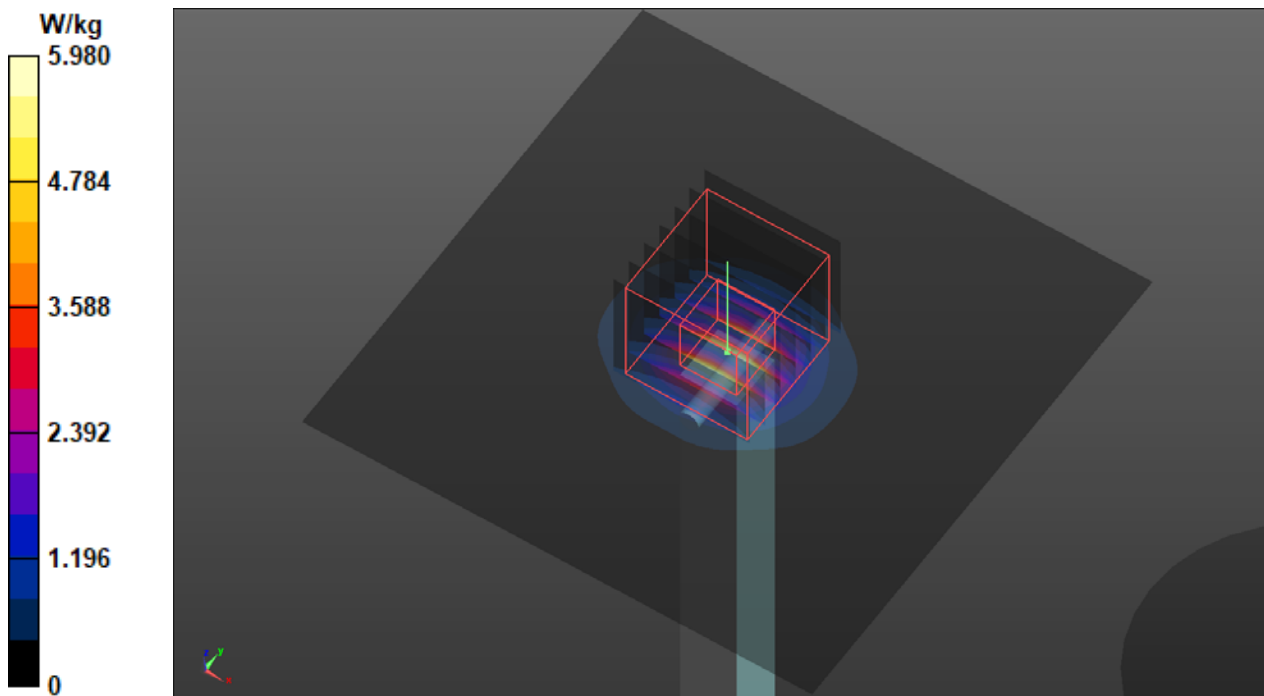
Ambient Temperature : 23.8 °C; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin-SAM V8.0\_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 5.98 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 41.99 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 10.9 W/kg  
**SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.27 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 6.55 W/kg



## System Check\_H5600\_210223

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

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N2\_0223 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.983$  S/m;  $\epsilon_r = 36.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.7, 4.7, 4.7) @ 5600 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin-SAM V8.0\_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.26 W/kg

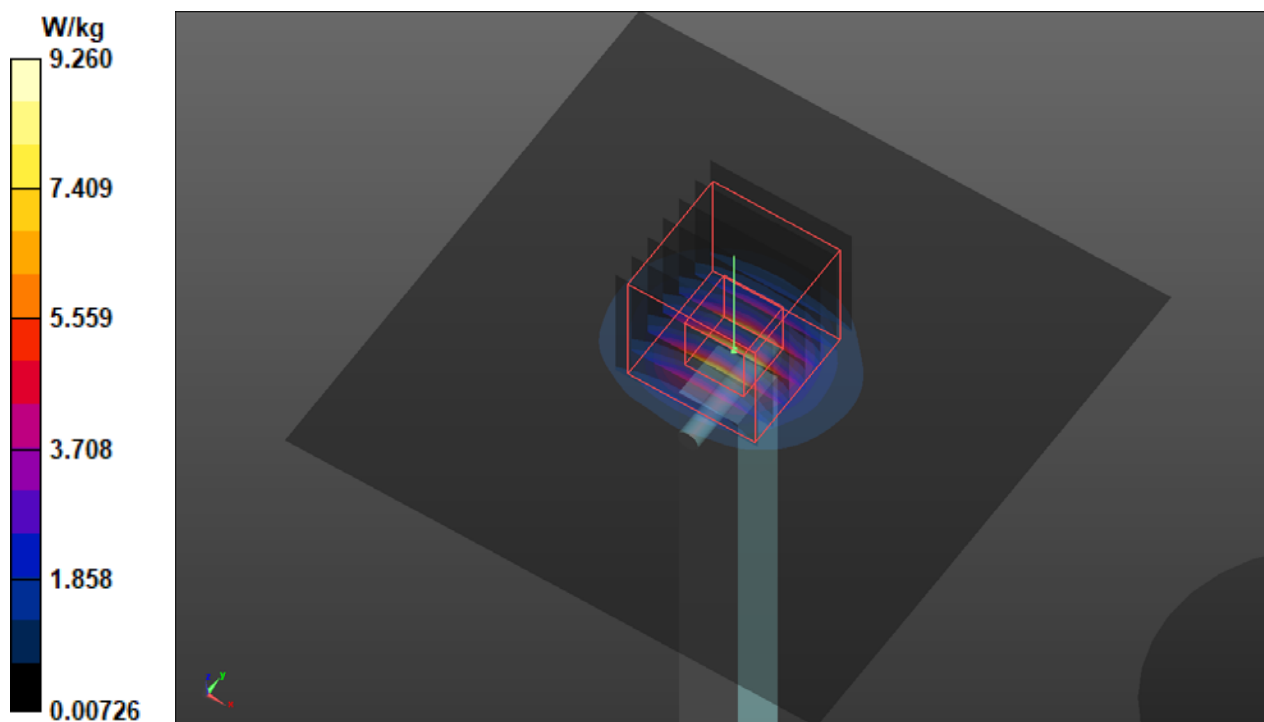
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.10 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.2 W/kg

**SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.09 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.84 W/kg



## System Check\_H5750\_210224

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

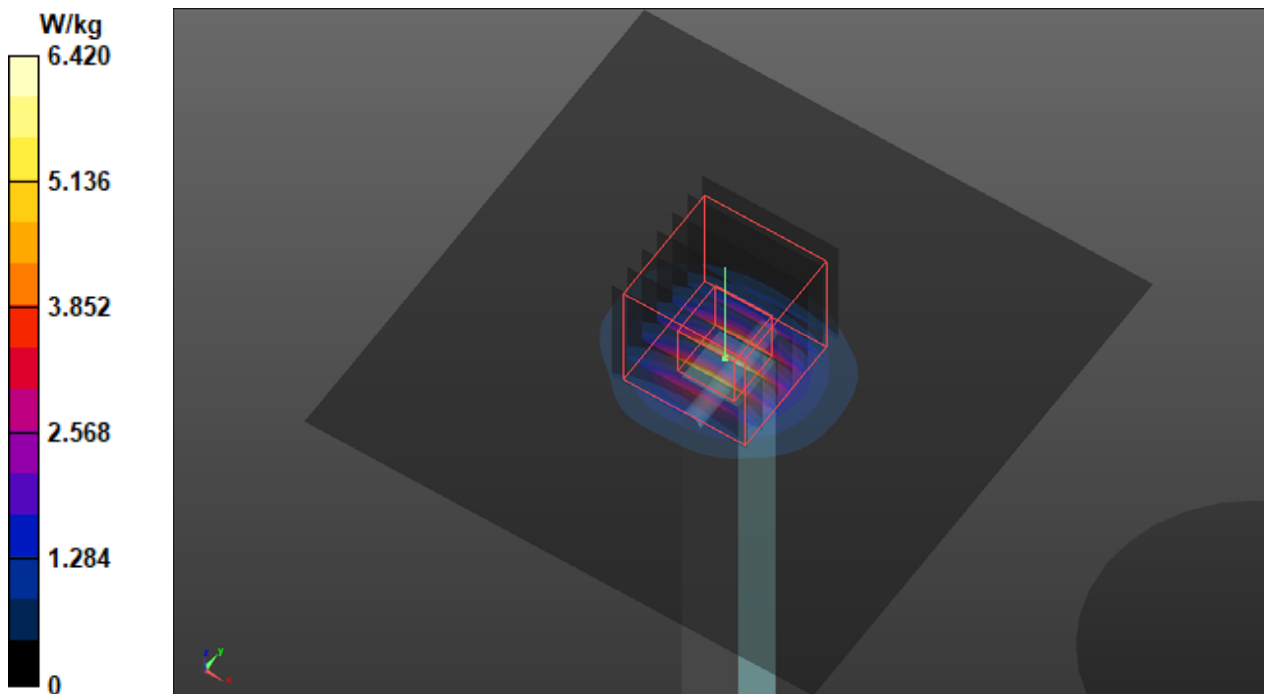
Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1  
Medium: H34T60N2\_0224 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.138$  S/m;  $\epsilon_r = 36.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin-SAM V8.0\_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 6.42 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 40.02 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 11.8 W/kg  
**SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.28 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 6.85 W/kg



## **Appendix A-1 SAR Plots of System Verification (Body-worn)**

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

## System Check\_H750\_210123

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

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_0123 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.9$  S/m;  $\epsilon_r = 41.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(10.39, 10.39, 10.39) @ 750 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

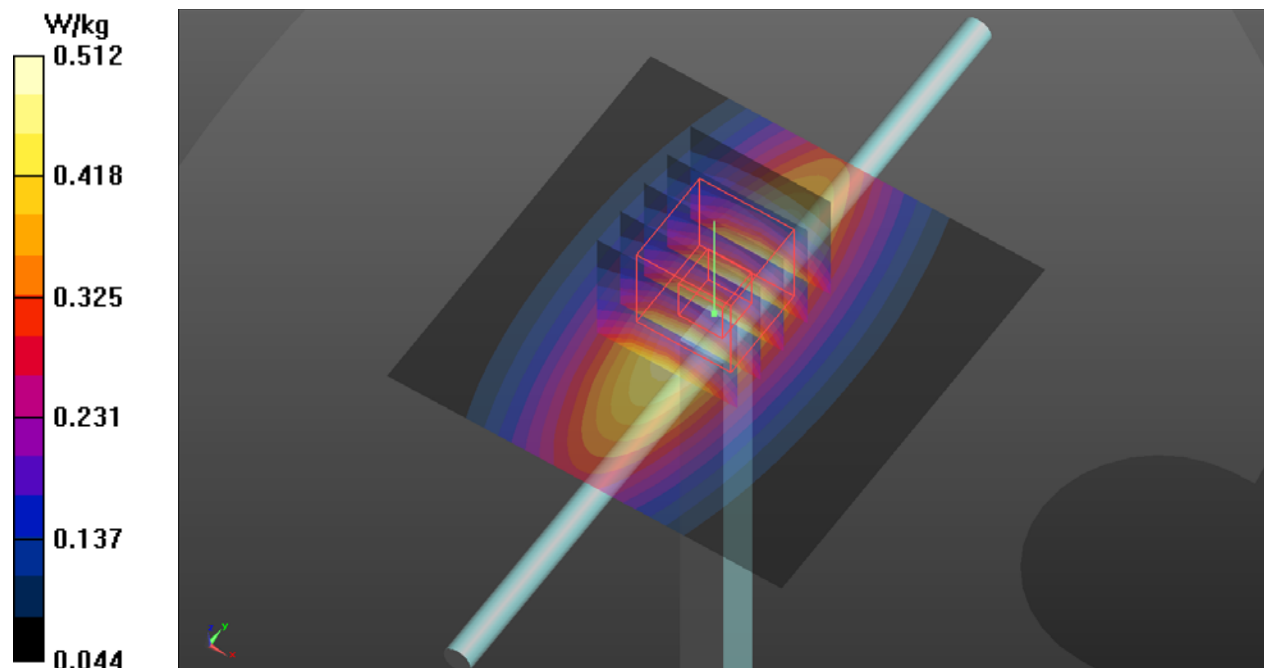
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.69 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.579 W/kg

**SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.256 W/kg** (SAR corrected for target medium)

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



## System Check\_H835\_210121

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

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_0121 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.952$ ;  $\rho = 1000$  kg/m<sup>3</sup>

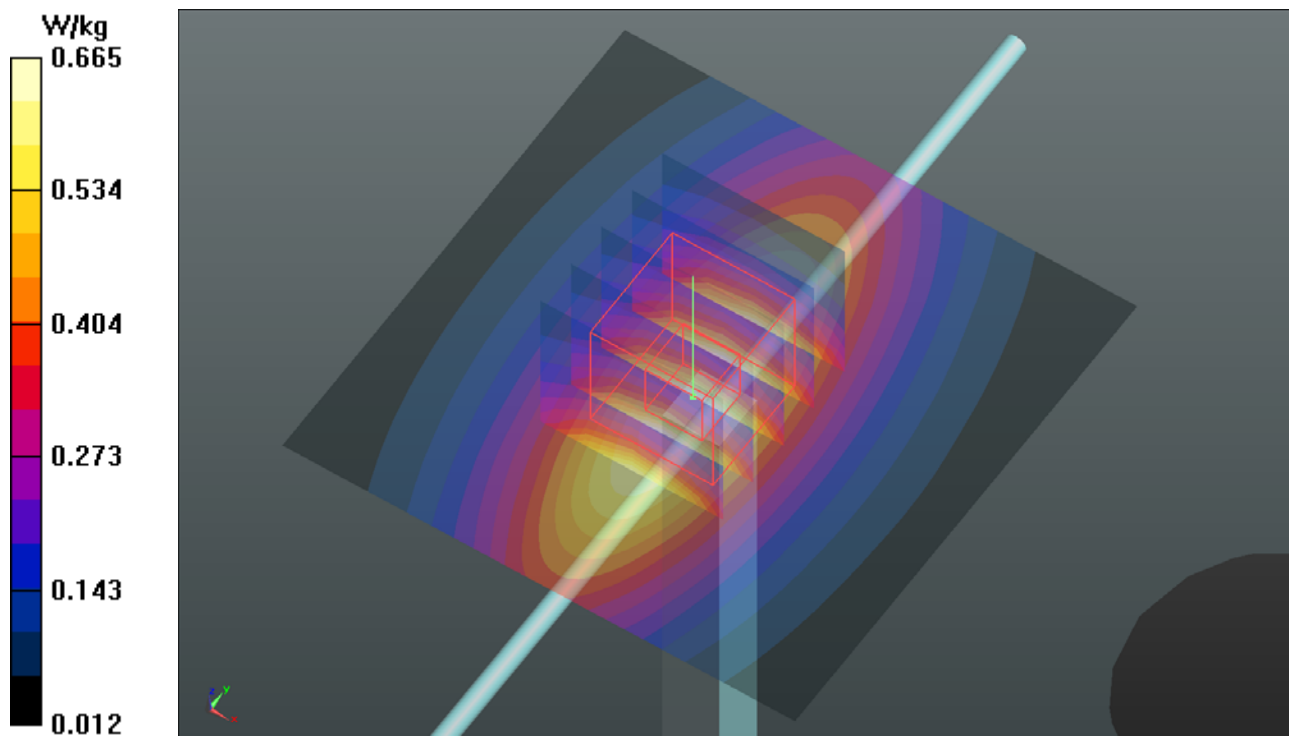
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.11, 10.11, 10.11) @ 835 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.665 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.48 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.792 W/kg  
**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.335 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 0.693 W/kg





## System Check\_H1750\_210115

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

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0115 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.318$  S/m;  $\epsilon_r = 39.352$ ;  $\rho = 1000$  kg/m<sup>3</sup>

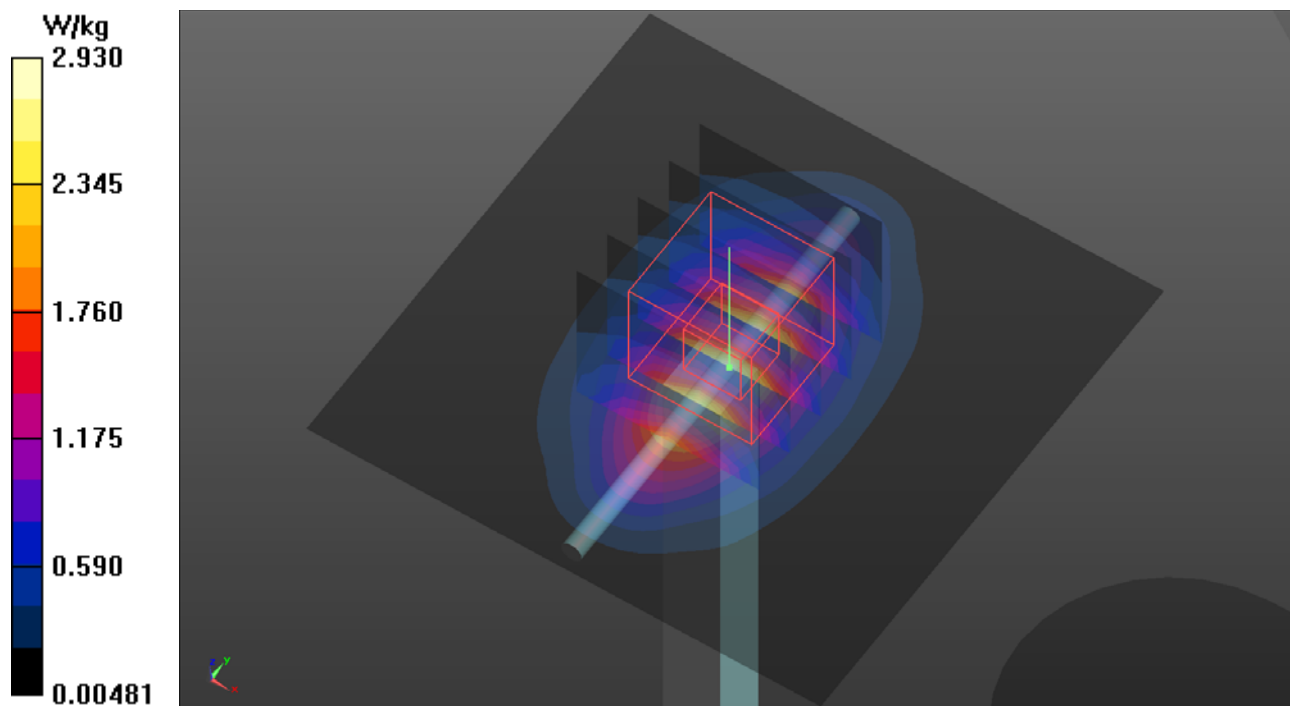
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(8.61, 8.61, 8.61) @ 1750 MHz; Calibrated: 2020/12/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2020/05/06
- Phantom: SAM Phantom\_1985; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.93 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 48.88 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 3.48 W/kg  
**SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.04 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 2.93 W/kg



## System Check\_H1900\_210123

**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d018**

Communication System: UID 0, CW ; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium: H16T20N1\_0123 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 38.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.35, 8.35, 8.35) @ 1900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.75 W/kg

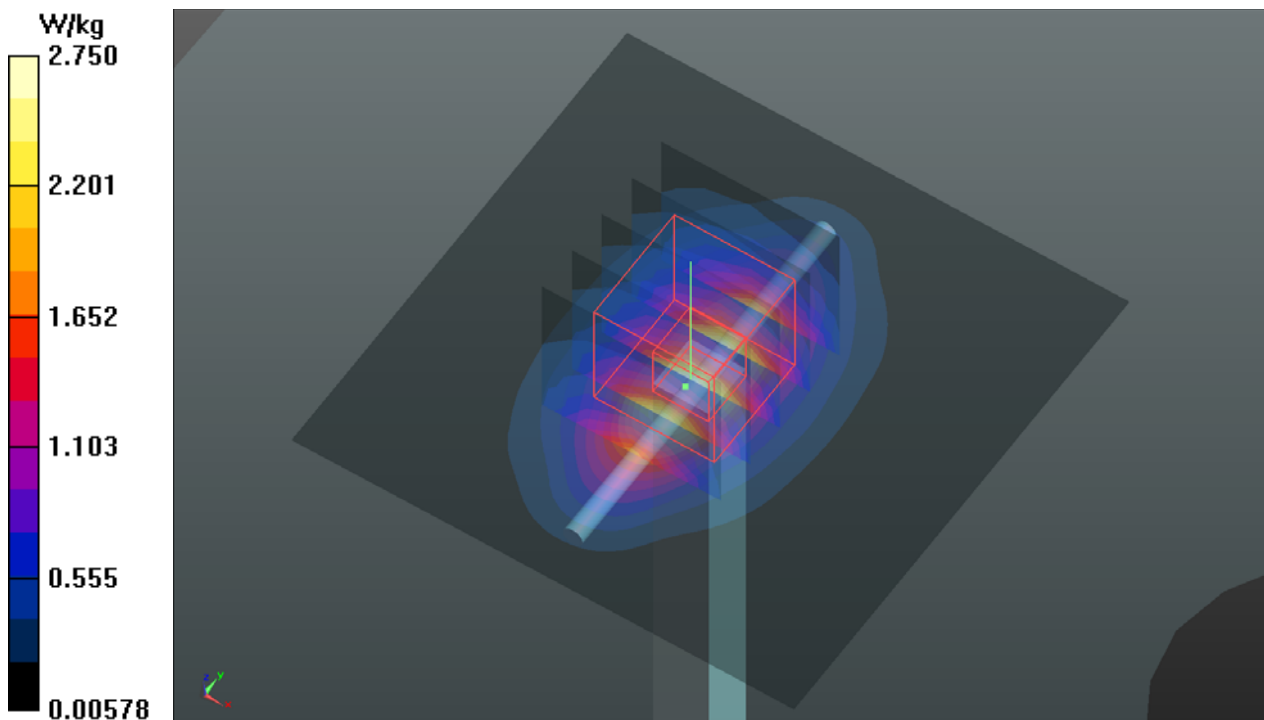
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.05 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.28 W/kg

**SAR(1 g) = 1.81 W/kg; SAR(10 g) = 1 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.81 W/kg



## System Check\_H2300\_210125

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

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0125 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.715$  S/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

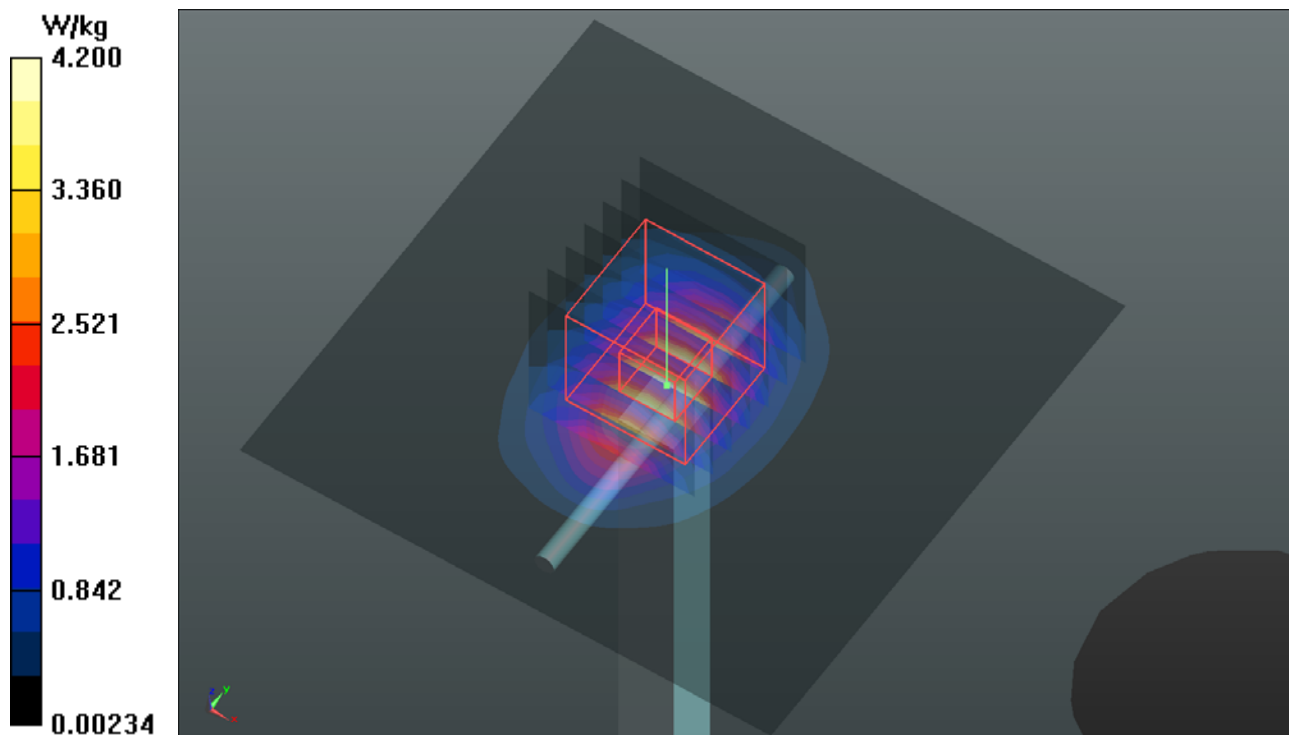
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.94, 7.94, 7.94) @ 2300 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.20 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 50.57 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 5.10 W/kg  
**SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.24 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 4.15 W/kg



## System Check\_H2450\_210222

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0222 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.843$  S/m;  $\epsilon_r = 38.569$ ;  $\rho = 1000$  kg/m<sup>3</sup>

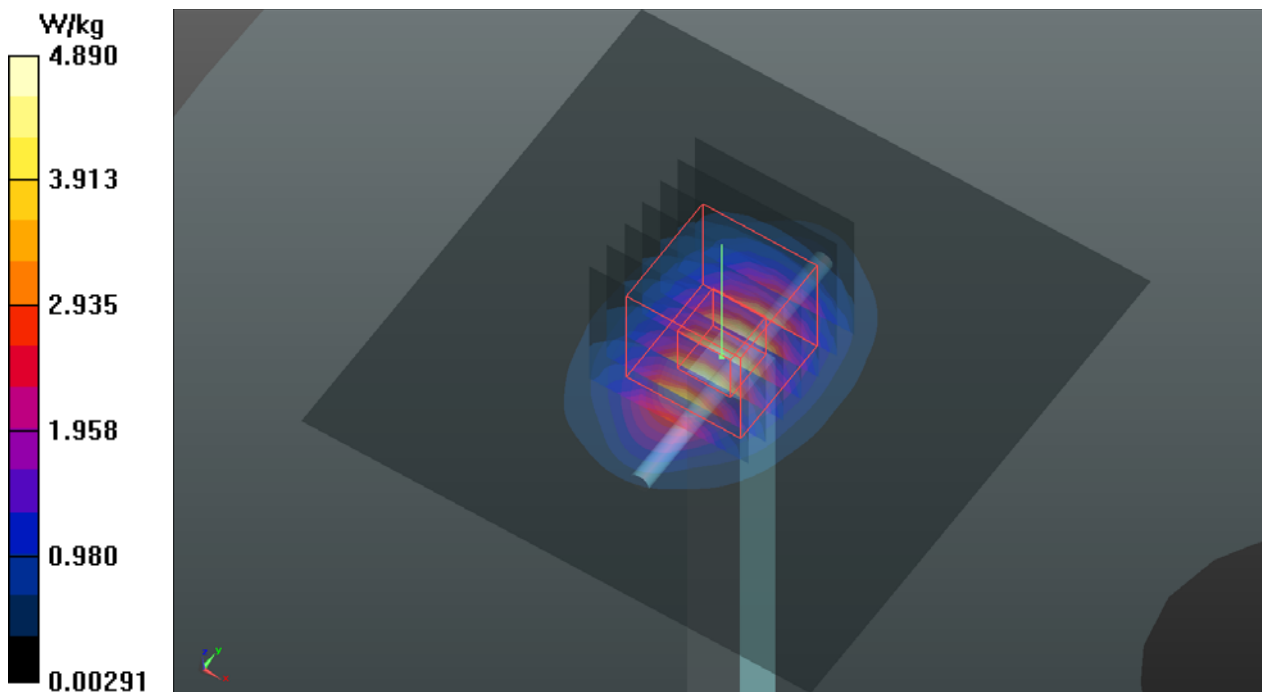
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.69, 7.69, 7.69) @ 2450 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.89 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 53.96 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 6.00 W/kg  
**SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.44 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 4.96 W/kg



## System Check\_H2600\_210121

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

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0121 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.029$  S/m;  $\epsilon_r = 37.61$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.28, 7.28, 7.28) @ 2600 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.93 W/kg

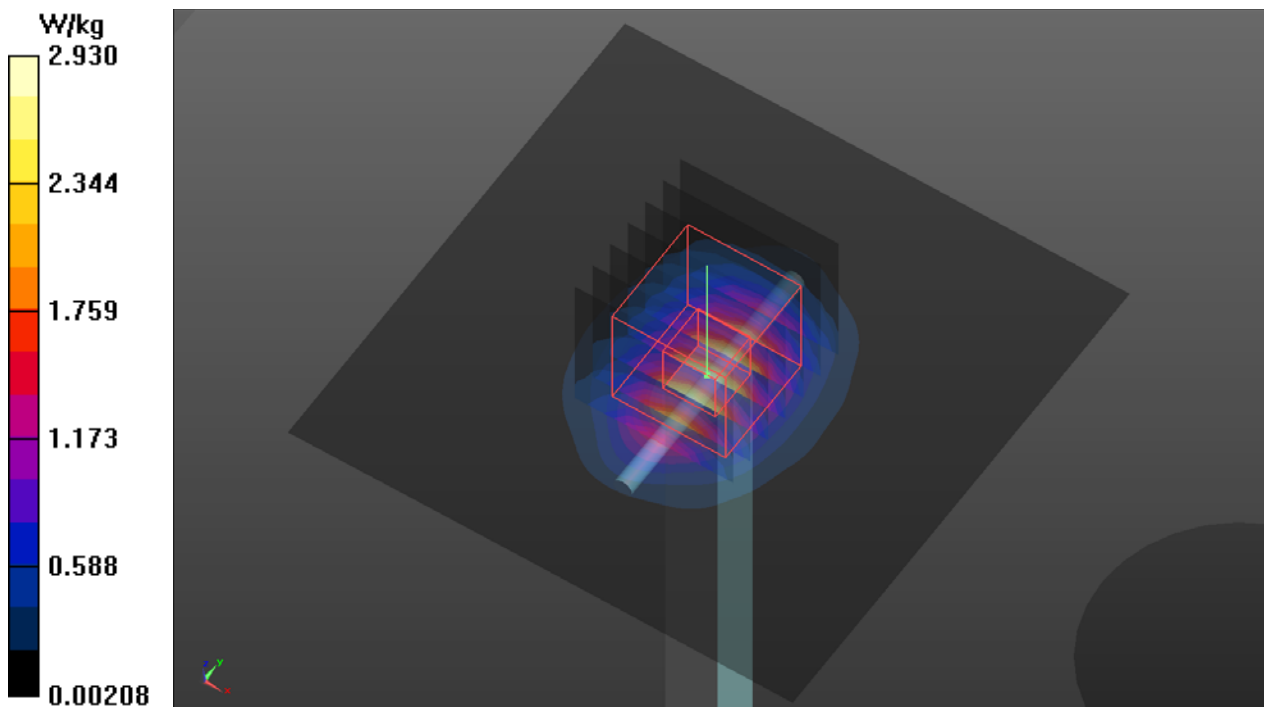
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.31 W/kg** (SAR corrected for target medium)

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



## System Check\_H3500\_210126

**DUT: Dipole 3500 MHz; Type:D3500V2; SN: 1067**

Communication System: UID 0, CW; Frequency: 3500 MHz;Duty Cycle: 1:1

Medium: H34T38N1\_0126 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.917$  S/m;  $\epsilon_r = 36.705$ ;  $\rho = 1000$  kg/m<sup>3</sup>

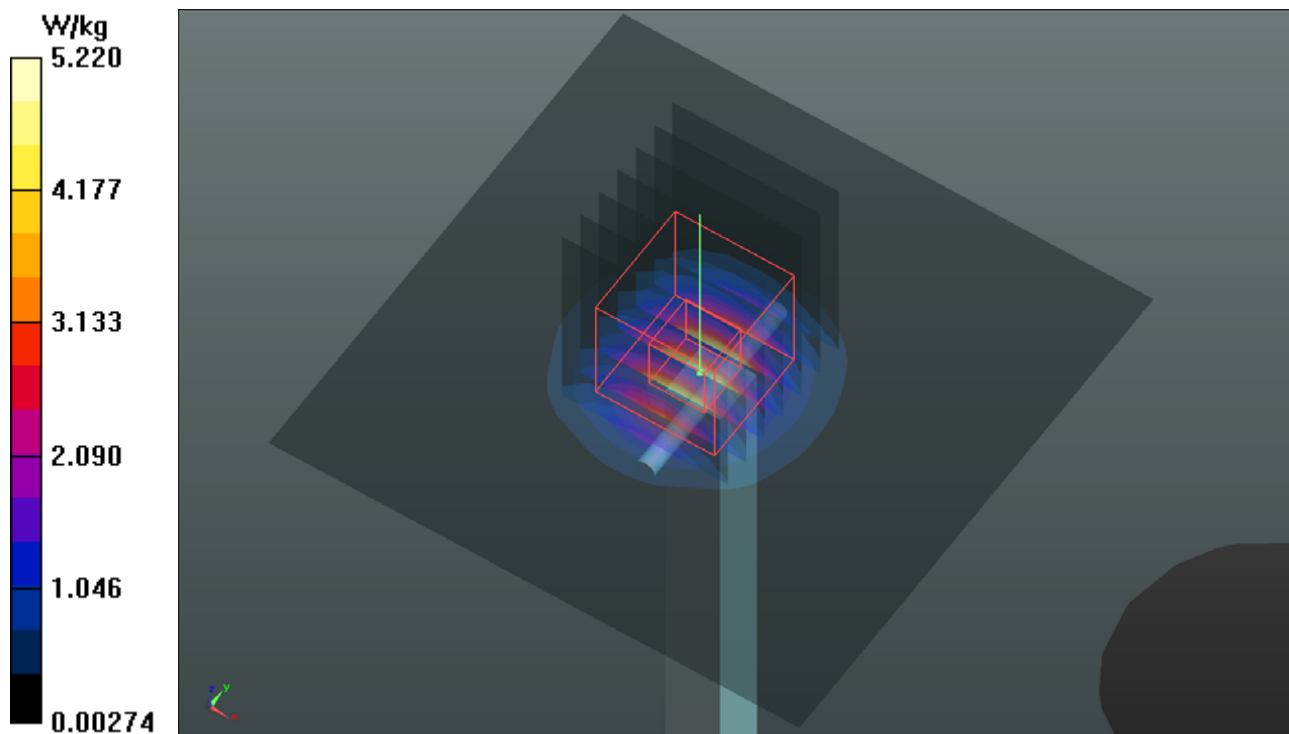
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.1, 7.1, 7.1) @ 3500 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.22 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 44.68 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 7.12 W/kg  
**SAR(1 g) = 3.14 W/kg; SAR(10 g) = 1.24 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.42 W/kg



## System Check\_H3700\_210120

**DUT: Dipole 3700 MHz; Type:D3700V2; SN: 1074**

Communication System: UID 0, CW; Frequency: 3700 MHz;Duty Cycle: 1:1

Medium: H34T38N1\_0120 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.042$  S/m;  $\epsilon_r = 36.289$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.07, 7.07, 7.07) @ 3700 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.69 W/kg

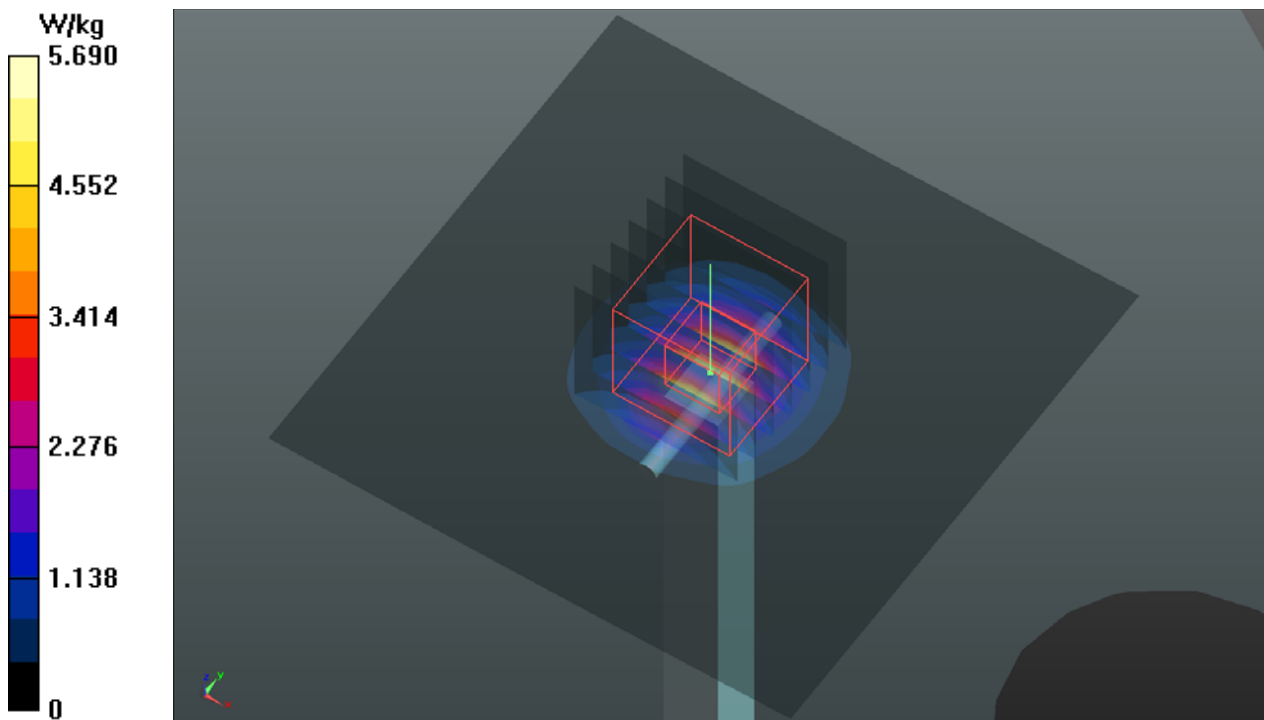
**Pin=50mW/Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 46.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.15 W/kg

**SAR(1 g) = 3.08 W/kg; SAR(10 g) = 1.19 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.50 W/kg



### System Check\_H3900\_210127

**DUT: Dipole 3900 MHz; Type:D3900V3; SN: 1020**

Communication System: UID 0, CW; Frequency: 3900 MHz;Duty Cycle: 1:1

Medium: H33T42N0\_0127 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.202$  S/m;  $\epsilon_r = 36.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

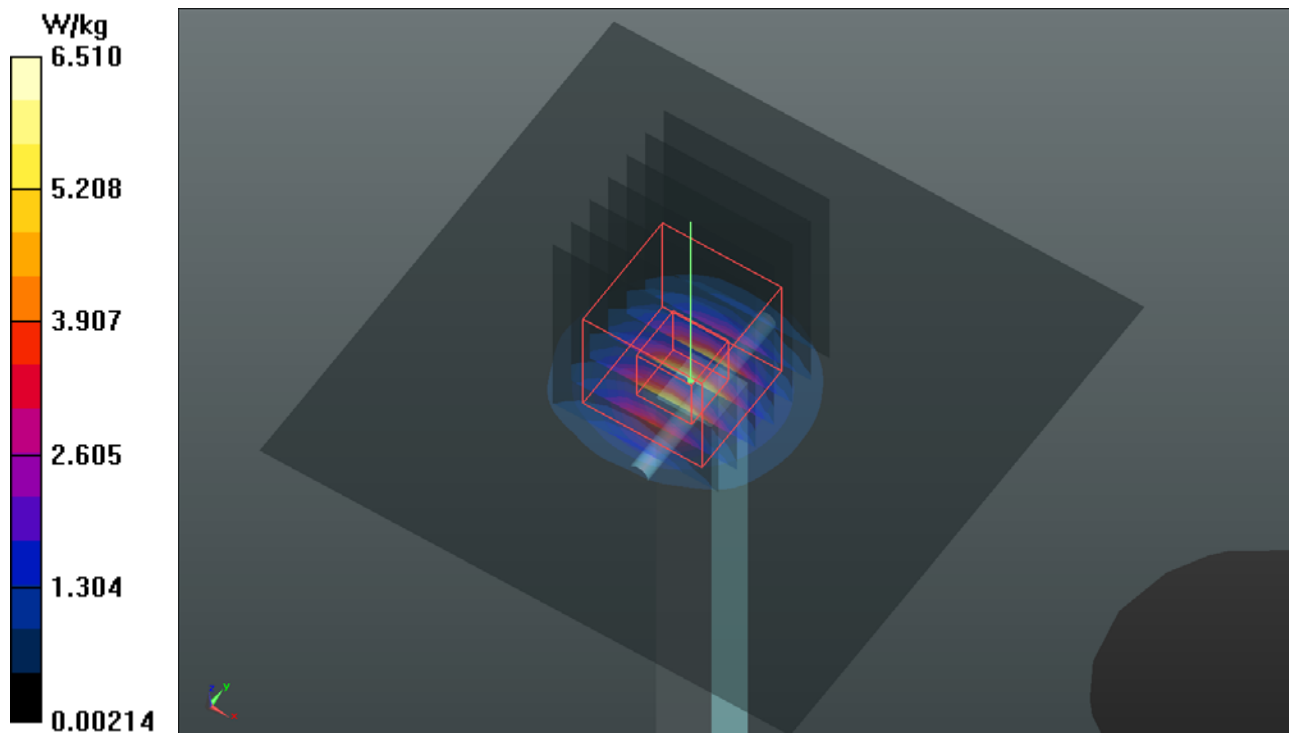
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(6.87, 6.87, 6.87) @ 3900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 6.51 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 48.38 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 8.73 W/kg  
**SAR(1 g) = 3.34 W/kg; SAR(10 g) = 1.2 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 6.58 W/kg





## System Check\_H5250\_210223

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

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0223 Medium parameters used (interpolated):  $f = 5250$  MHz;  $\sigma = 4.566$  S/m;  $\epsilon_r = 36.373$ ;  $\rho = 1000$  kg/m<sup>3</sup>

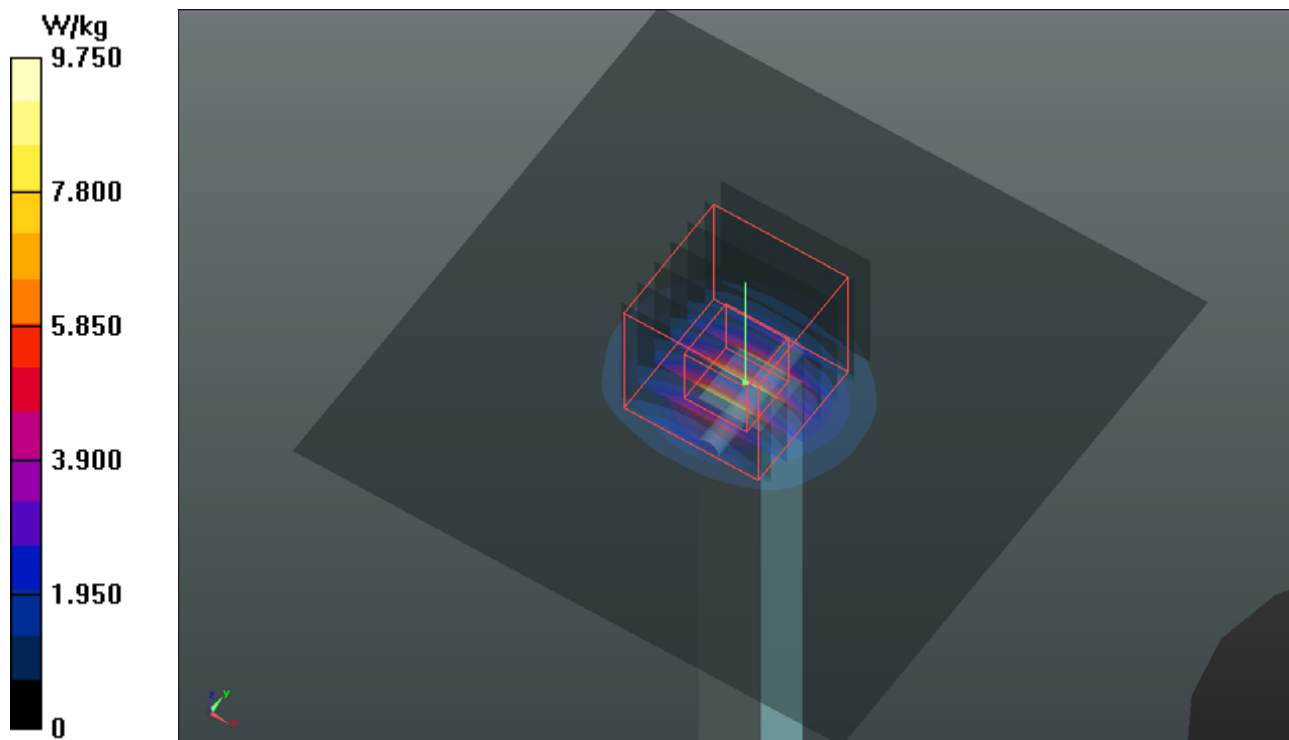
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.72, 5.72, 5.72) @ 5250 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.100 mm, dy=1.100 mm  
Maximum value of SAR (interpolated) = 9.75 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 49.15 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 14.5 W/kg  
**SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.1 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 9.07 W/kg



## System Check\_H5600\_210224

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

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0224 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.184$  S/m;  $\epsilon_r = 34.782$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(4.7, 4.7, 4.7) @ 5600 MHz; Calibrated: 2020/05/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2020/03/18
- Phantom: Twin-SAM V8.0\_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY5<sup>2</sup>, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.100 mm, dy=1.100 mm  
Maximum value of SAR (interpolated) = 7.95 W/kg

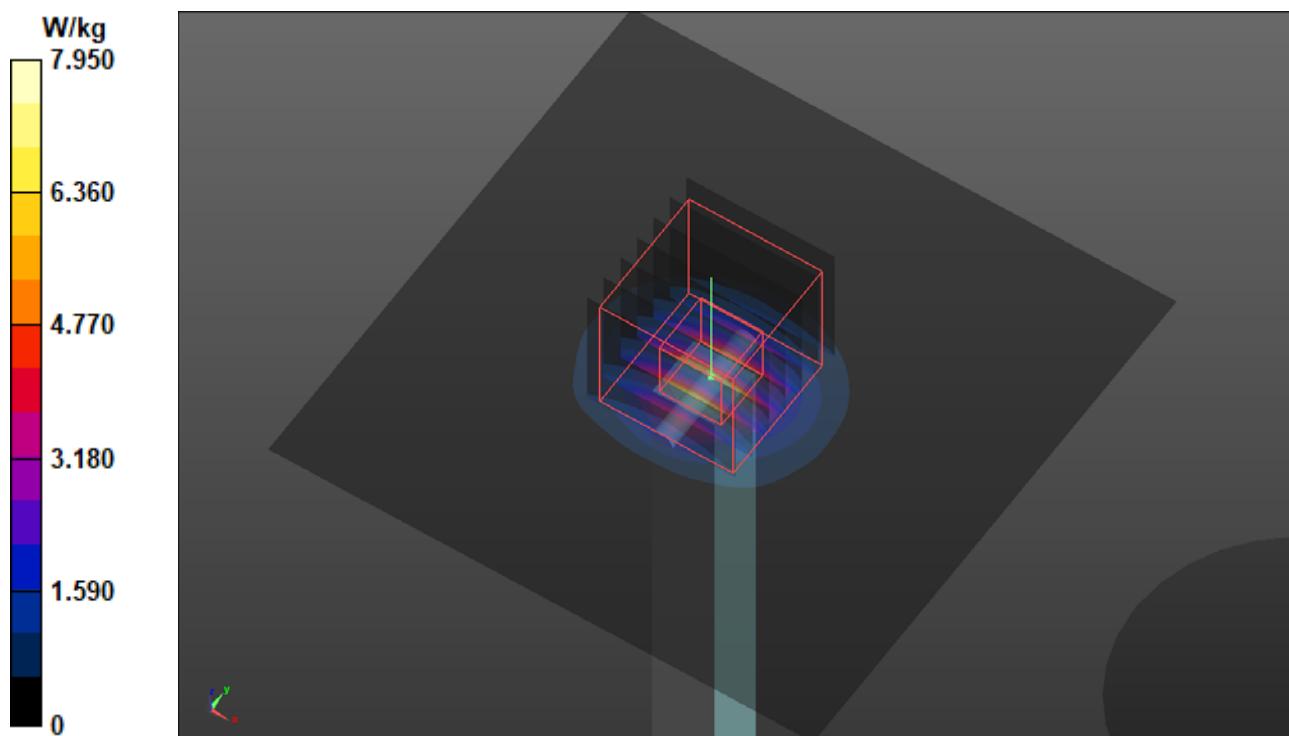
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.40 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 13.2 W/kg

**SAR(1 g) = 3.99 W/kg; SAR(10 g) = 0.942 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.01 W/kg



## System Check\_H5750\_210223

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

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0223 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.051$  S/m;  $\epsilon_r = 35.682$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.25, 5.25, 5.25) @ 5750 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.39 W/kg

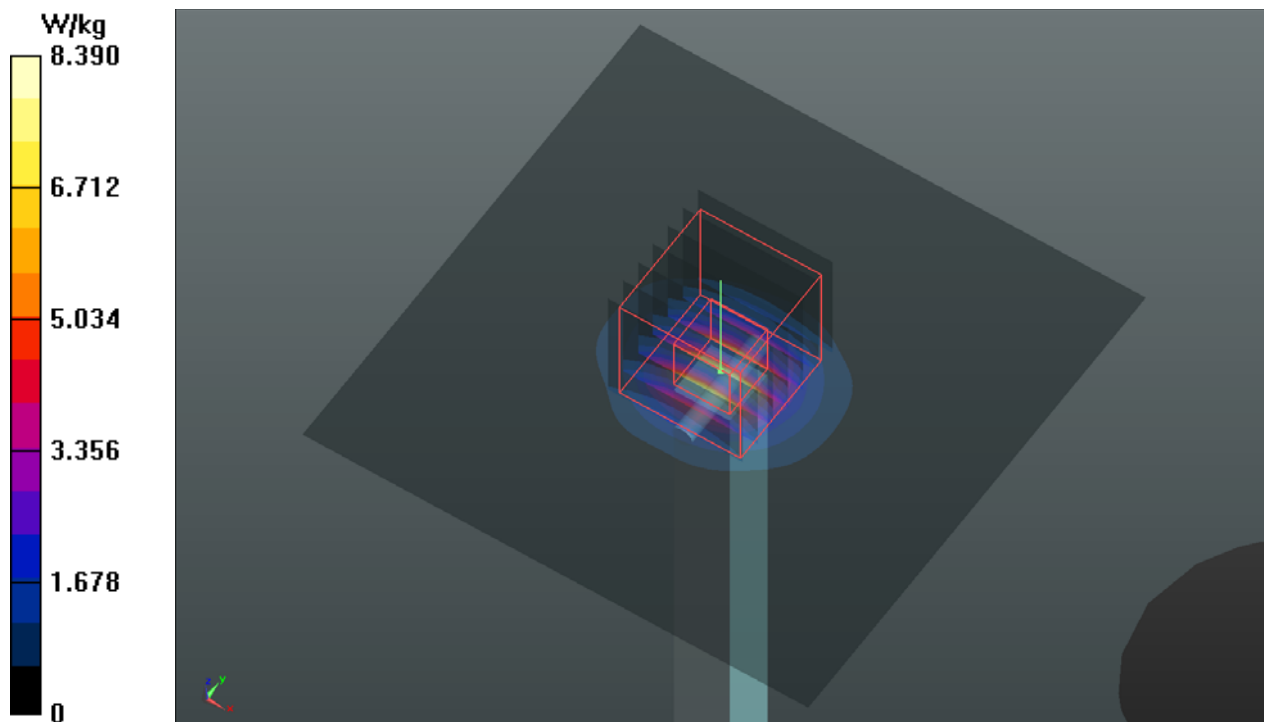
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.14 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.4 W/kg

**SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.35 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.94 W/kg



## **Appendix A-1 SAR Plots of System Verification (Hotspot)**

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

## System Check\_H750\_210113

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

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_0113 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.893$  S/m;  $\epsilon_r = 42.955$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7350; ConvF(10.04, 10.04, 10.04) @ 750 MHz; Calibrated: 2020/12/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2020/05/06
- Phantom: SAM Phantom\_1985; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.521 W/kg

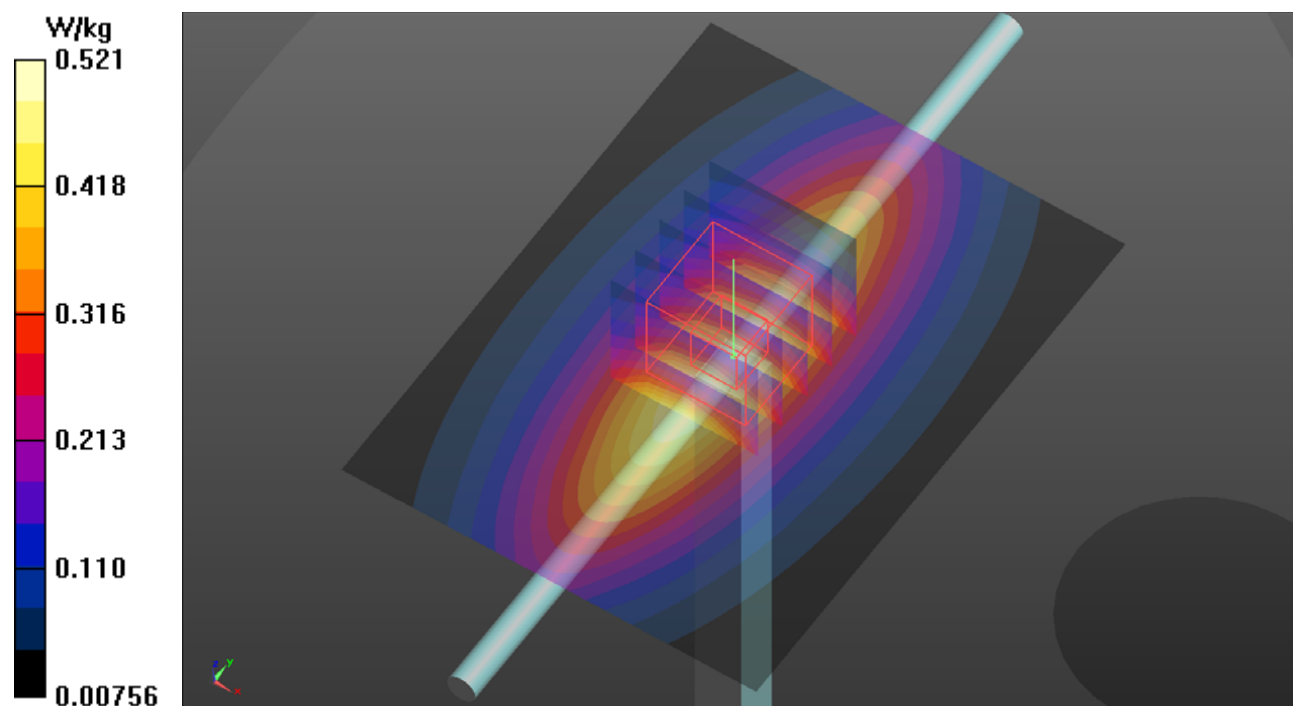
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.58 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.574 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.270 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.520 W/kg



## System Check\_H750\_210319

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

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_0319 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 43.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(10.54, 10.54, 10.54) @ 750 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.792 W/kg

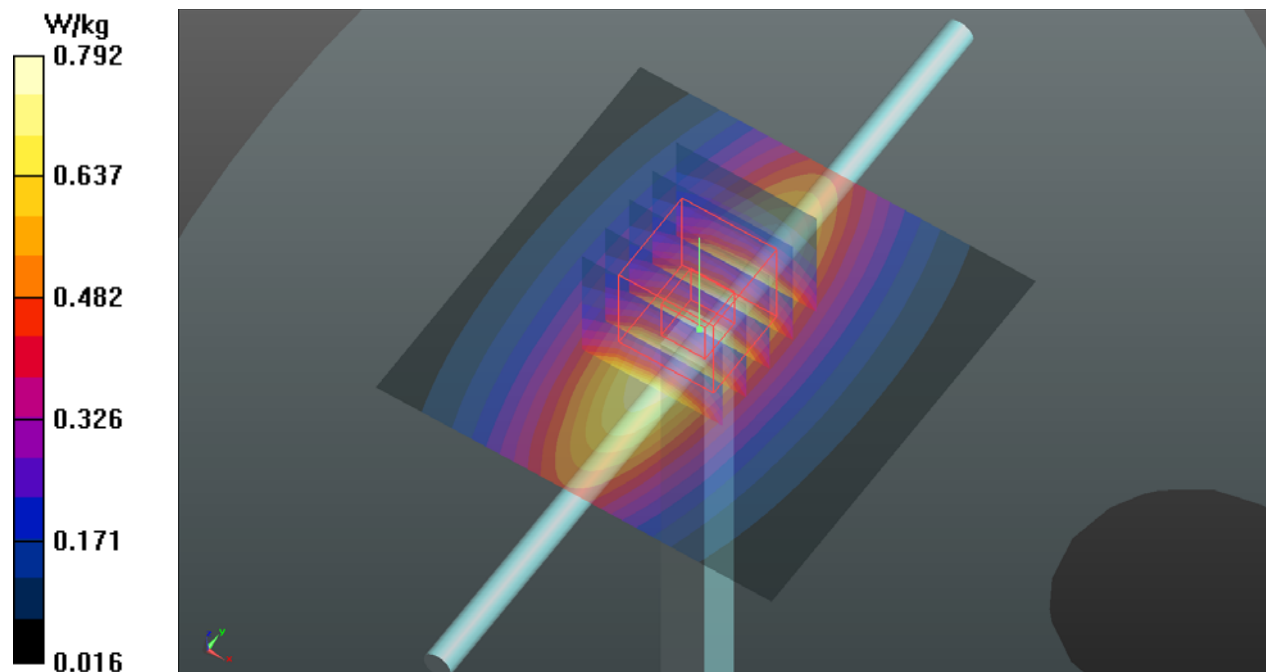
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.21 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.930 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.276 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.797 W/kg



## System Check\_H835\_210122

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

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1\_0122 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 42.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7555; ConvF(9.69, 9.69, 9.69) @ 835 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2020/09/15
- Phantom: SAM Phantom\_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.711 W/kg

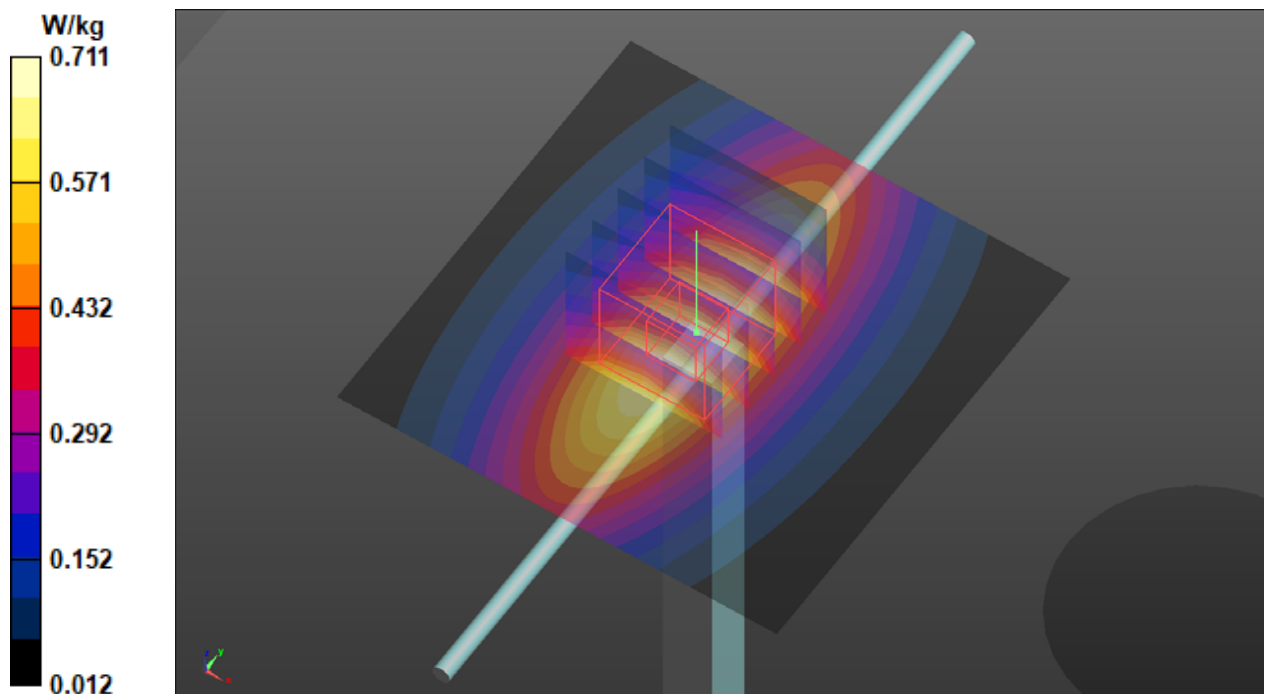
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.99 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.817 W/kg

**SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.347 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.730 W/kg



## System Check\_H1750\_210116

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

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0116 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.321$  S/m;  $\epsilon_r = 40.14$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(8.58, 8.58, 8.58) @ 1750 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.80 W/kg

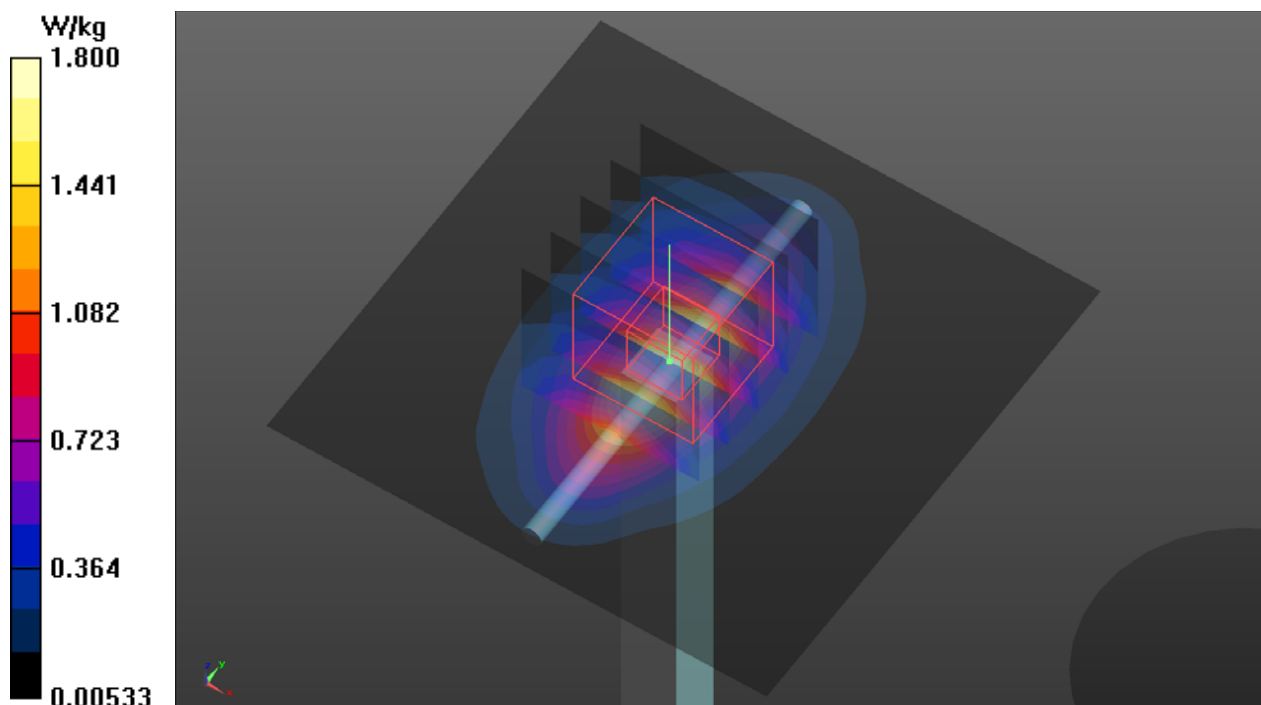
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.90 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.15 W/kg

**SAR(1 g) = 1.67 W/kg; SAR(10 g) = 0.949 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.81 W/kg





### System Check\_H1900\_210123

**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d018**

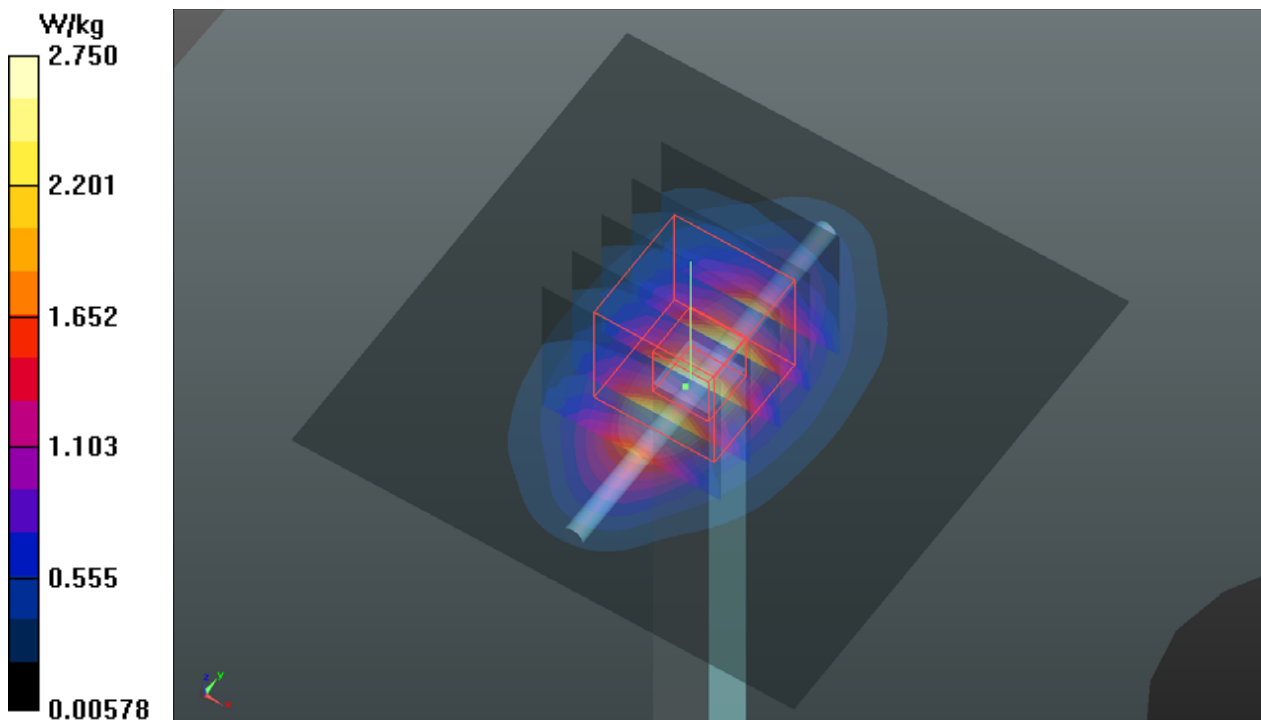
Communication System: UID 0, CW ; Frequency: 1900 MHz;Duty Cycle: 1:1  
Medium: H16T20N1\_0123 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 38.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(8.35, 8.35, 8.35) @ 1900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.75 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 45.05 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 3.28 W/kg  
**SAR(1 g) = 1.83 W/kg; SAR(10 g) = 1 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 2.81 W/kg



## System Check\_H2300\_210118

**DUT: Dipole 2300 MHz; Type: D2300V2; SN:1092**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0118 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.715$  S/m;  $\epsilon_r = 38.875$ ;  $\rho = 1000$  kg/m<sup>3</sup>

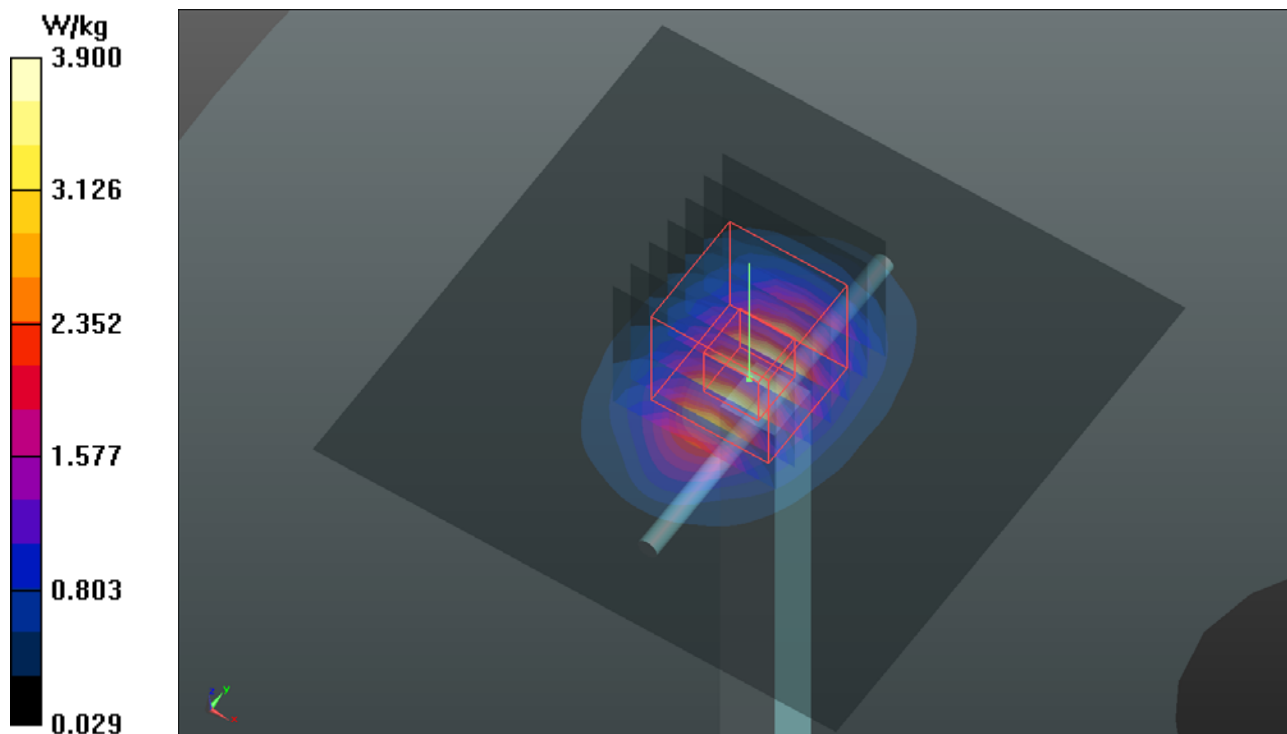
Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.94, 7.94, 7.94) @ 2300 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 3.90 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 49.48 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 4.64 W/kg  
**SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.13 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 3.88 W/kg



## System Check\_H2450\_210305

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N3\_0305 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.888$  S/m;  $\epsilon_r = 39.547$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.33, 7.33, 7.33) @ 2450 MHz; Calibrated: 2020/10/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2020/06/22
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 7.43 W/kg

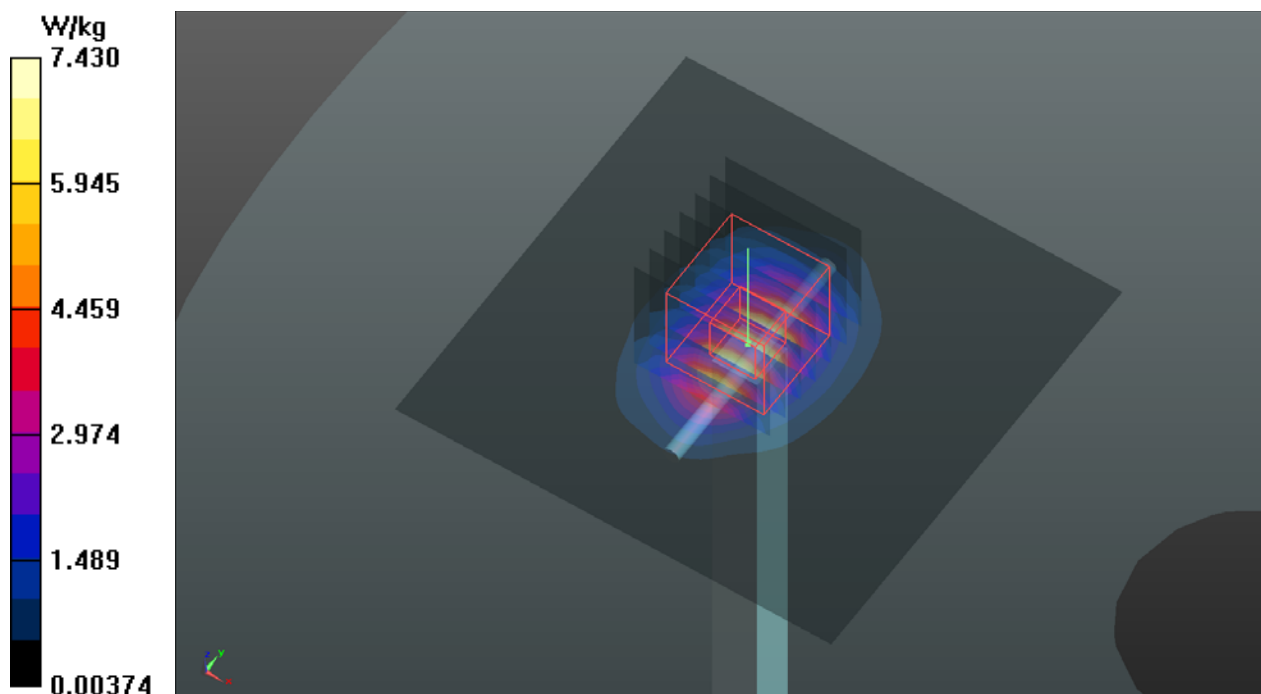
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.80 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.22 W/kg

**SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.14 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.47 W/kg



## System Check\_H2600\_210309

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

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0309 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.045$  S/m;  $\epsilon_r = 37.848$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.72, 7.72, 7.72) @ 2600 MHz; Calibrated: 2021/01/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2021/01/19
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.66 W/kg

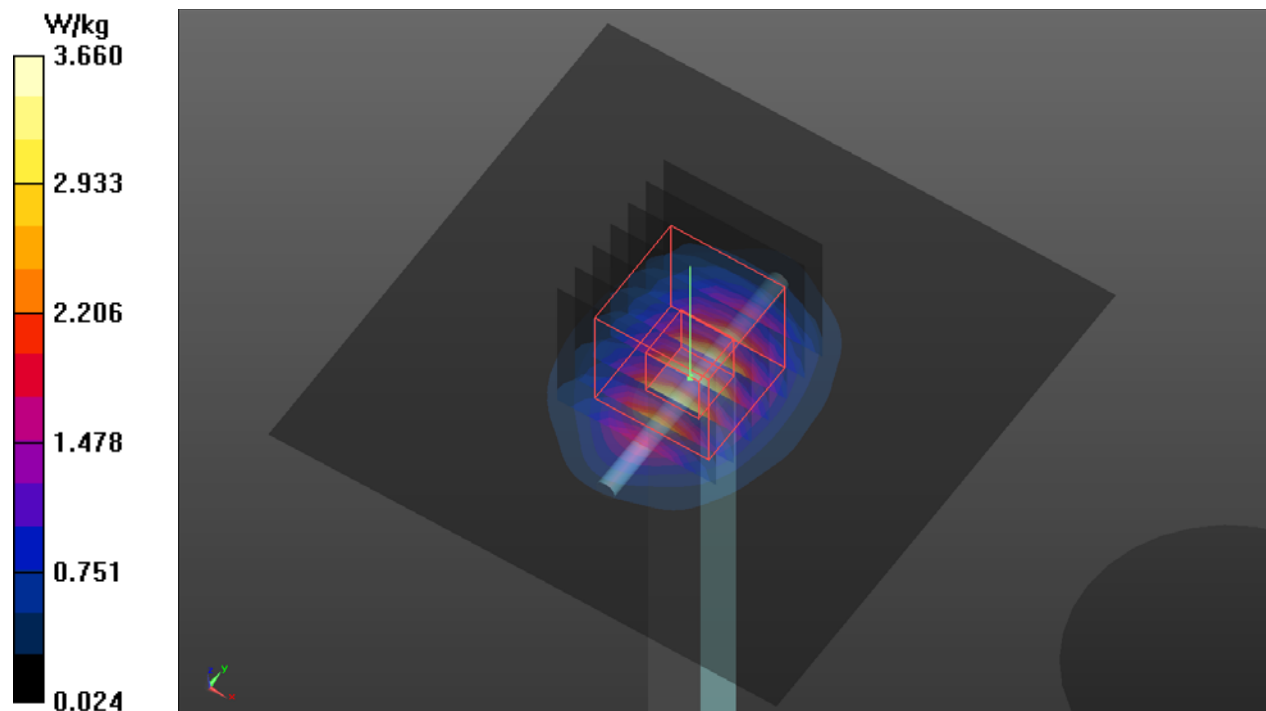
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.19 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.52 W/kg

**SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.27 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.66 W/kg



## System Check\_H3500\_210118

**DUT: Dipole 3500 MHz; Type:D3500V2; SN: 1067**

Communication System: UID 0, CW; Frequency: 3500 MHz;Duty Cycle: 1:1

Medium: H34T38N1\_0118 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.935$  S/m;  $\epsilon_r = 36.962$ ;  $\rho = 1000$  kg/m<sup>3</sup>

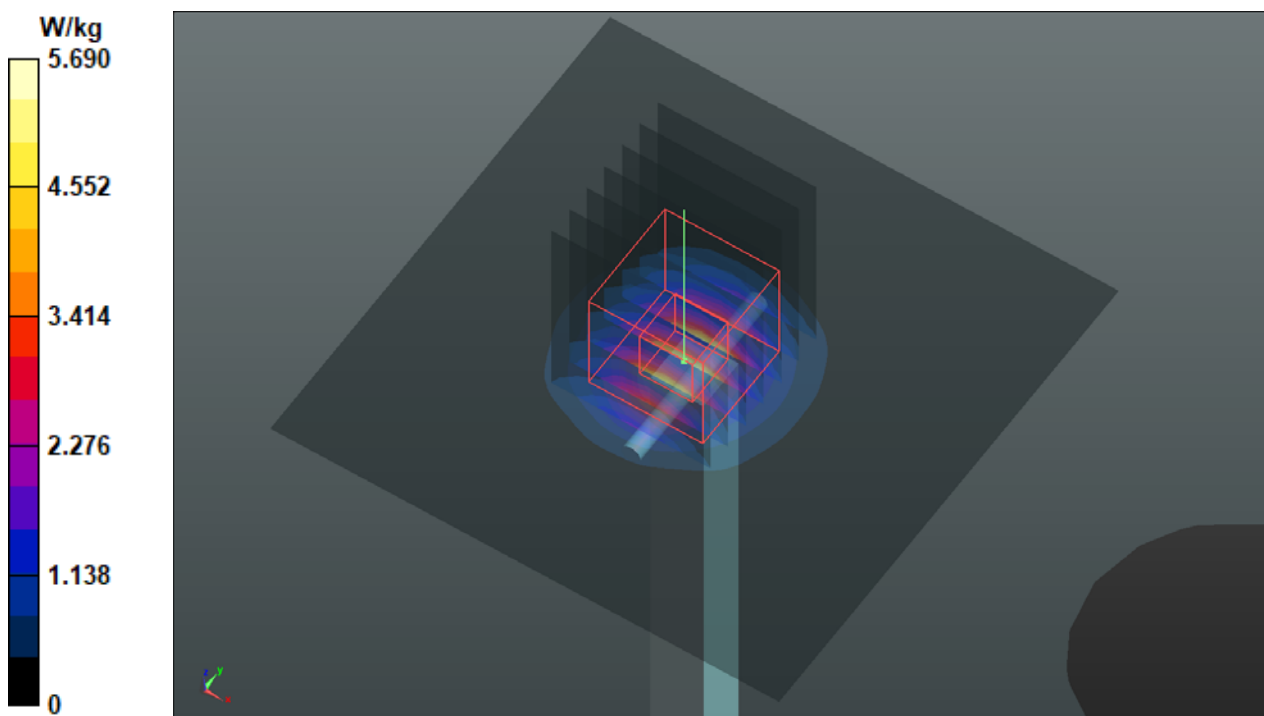
Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.1, 7.1, 7.1) @ 3500 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.69 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 46.27 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 7.18 W/kg  
**SAR(1 g) = 2.98 W/kg; SAR(10 g) = 1.16 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.50 W/kg



## System Check\_H3700\_210309

**DUT: Dipole 3700 MHz; Type:D3700V2; SN: 10 17**

Communication System: UID 0, CW; Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: H34T38N1\_0309 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.084$  S/m;  $\epsilon_r = 36.775$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.07, 7.07, 7.07) @ 3700 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.77 W/kg

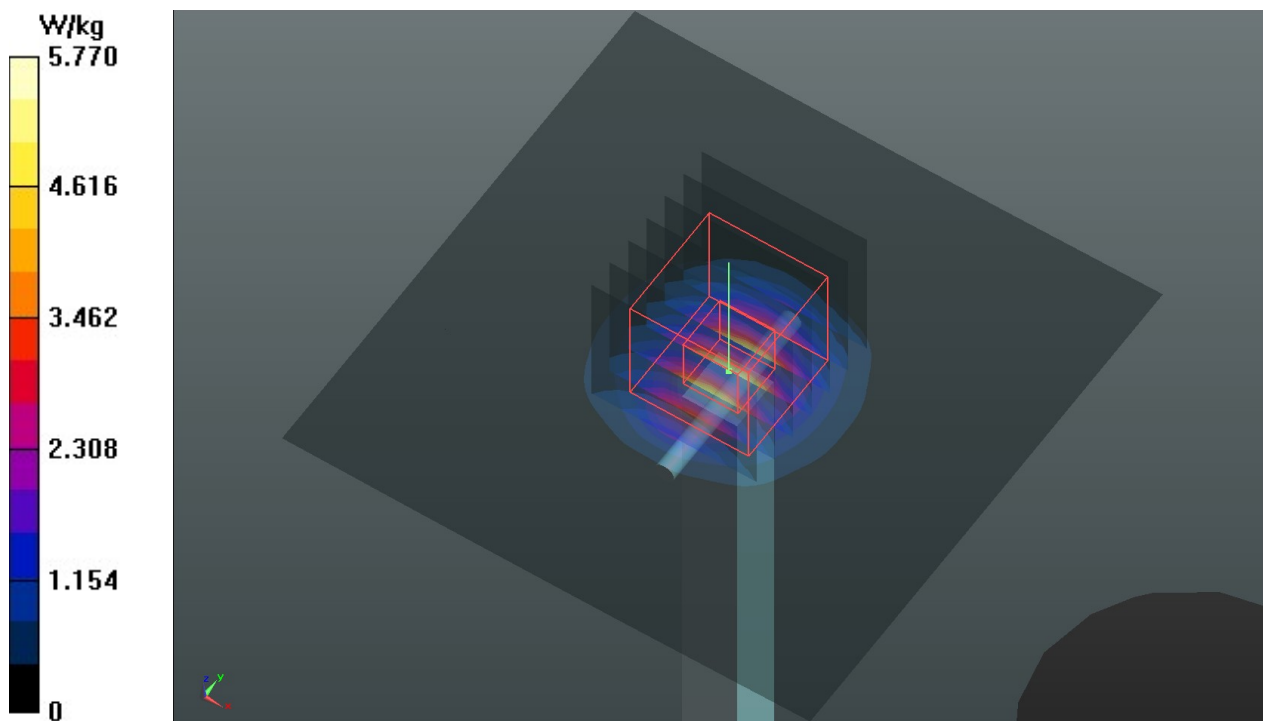
**Pin=50mW/Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 46.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.25 W/kg

**SAR(1 g) = 2.98 W/kg; SAR(10 g) = 1.1 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.58 W/kg



## System Check\_H3900\_210309

**DUT: Dipole 3900 MHz; Type:D3900V2; SN: 1020**

Communication System: UID 0, CW; Frequency: 3900 MHz;Duty Cycle: 1:1

Medium: H33T42N1\_0309 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.228$  S/m;  $\epsilon_r = 36.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(6.87, 6.87, 6.87) @ 3900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 8.46 W/kg

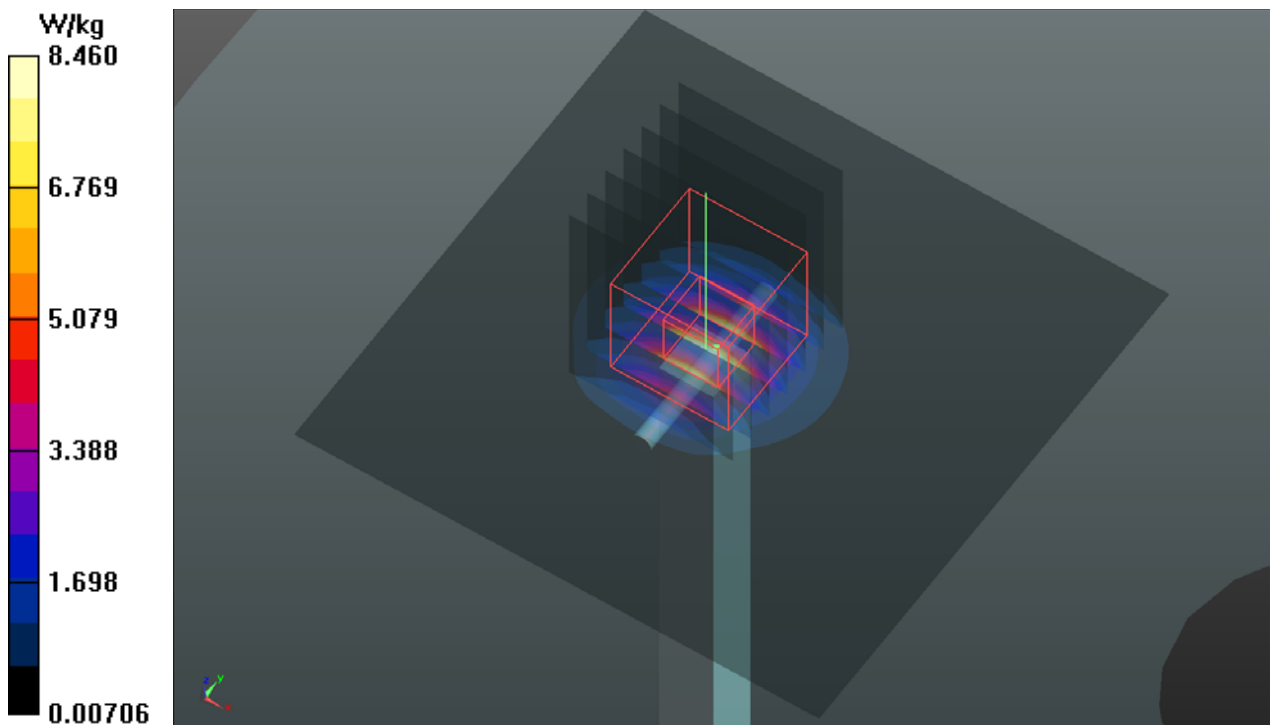
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 52.00 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.4 W/kg

**SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.31 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.22 W/kg



## System Check\_H5250\_210224

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

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0224 Medium parameters used (interpolated):  $f = 5250$  MHz;  $\sigma = 4.795$  S/m;  $\epsilon_r = 34.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.2, 5.2, 5.2) @ 5250 MHz; Calibrated: 2021/01/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2021/01/19
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 8.02 W/kg

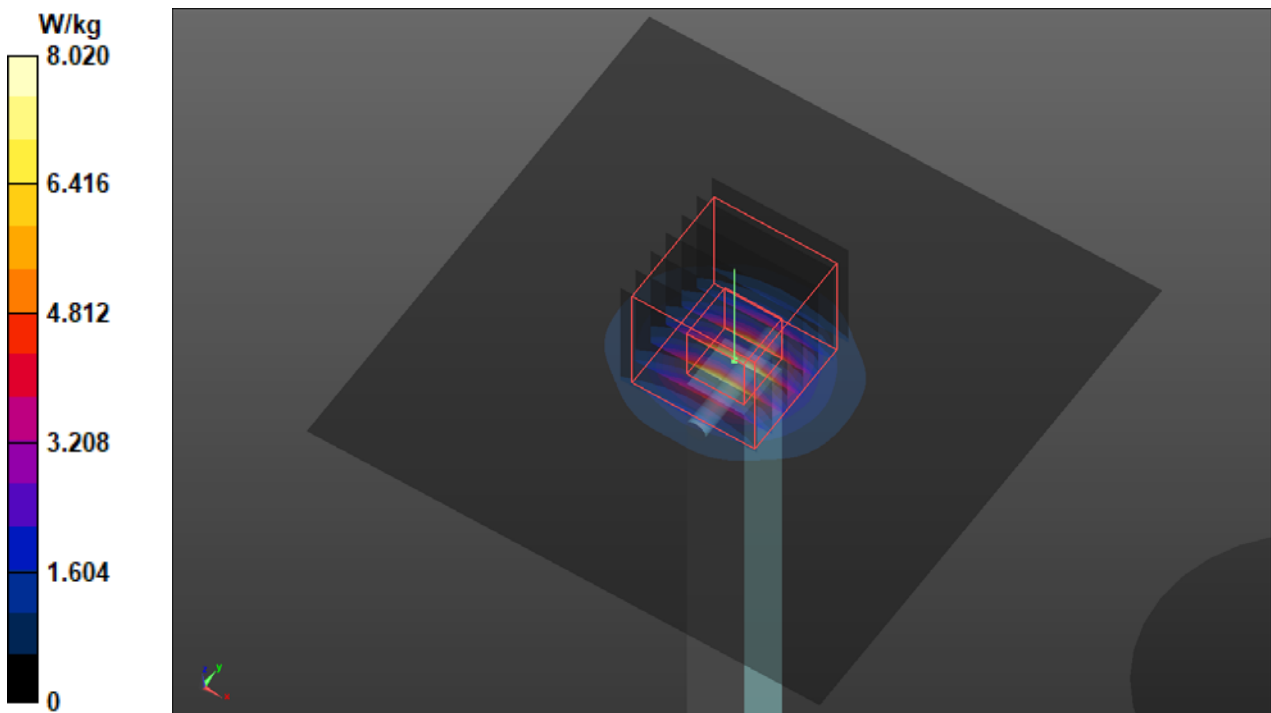
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 47.89 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 14.8 W/kg

**SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.03 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.85 W/kg





## System Check\_H5750\_210224

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

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0224 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.249$  S/m;  $\epsilon_r = 36.271$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2021/01/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2021/01/19
- Phantom: Twin SAM Phantom\_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.70 W/kg

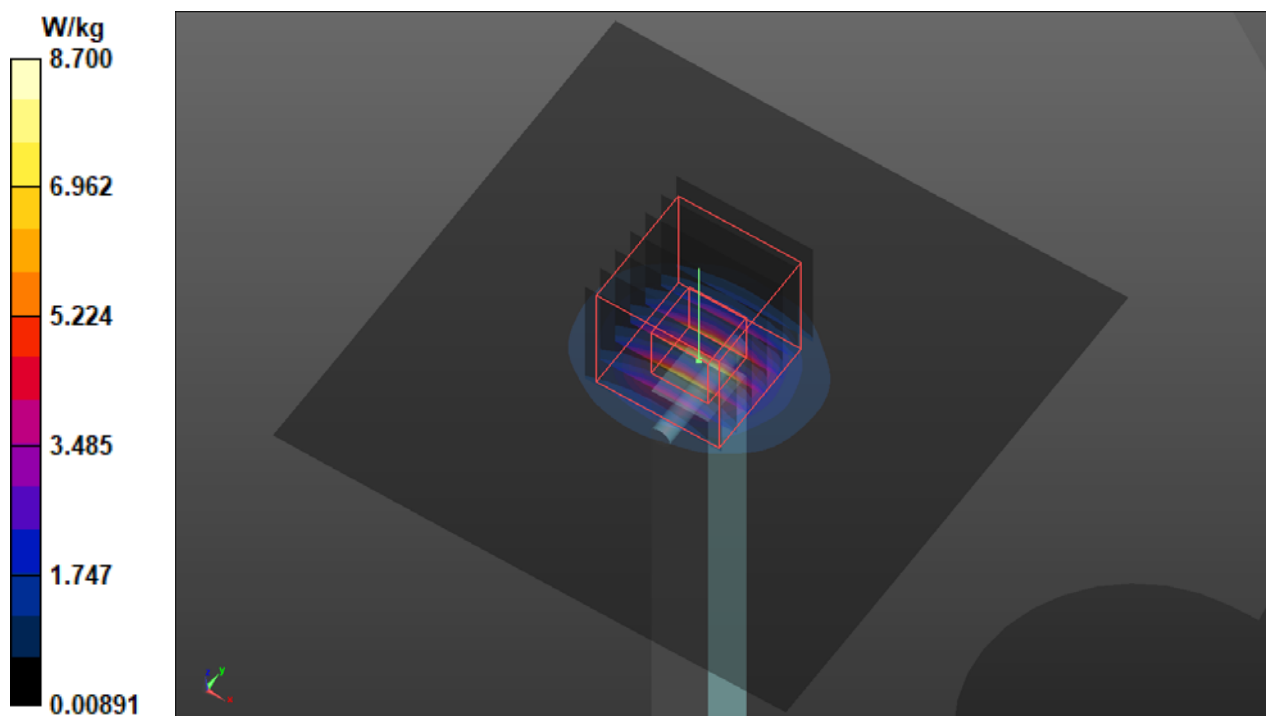
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.91 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 15.9 W/kg

**SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.03 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.41 W/kg



## System Check\_H5750\_210225

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

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0225 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.014$  S/m;  $\epsilon_r = 36.424$ ;  $\rho = 1000$  kg/m<sup>3</sup>

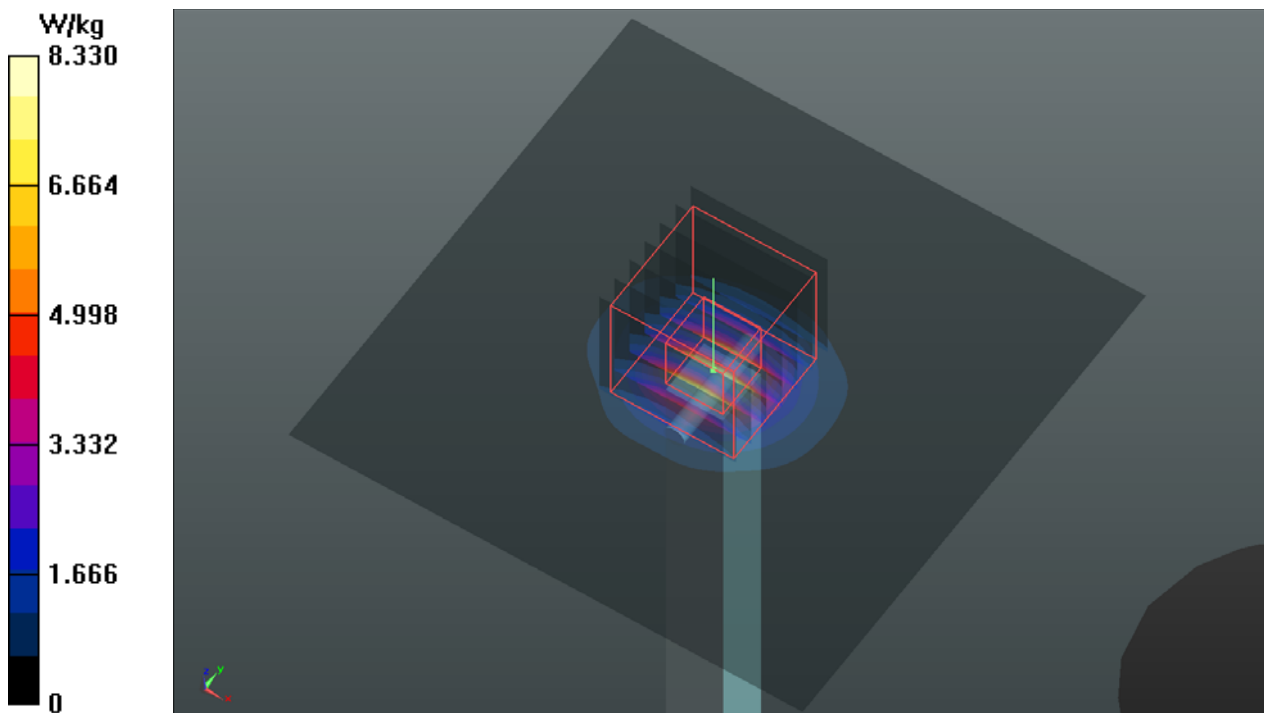
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.25, 5.25, 5.25) @ 5750 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 8.33 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 46.14 V/m; Power Drift = -0.13 dB  
Peak SAR (extrapolated) = 15.2 W/kg  
**SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.15 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 8.87 W/kg



## **Appendix A-1 SAR Plots of System Verification Product Specific (Phablet) Exposure Condition**

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

## System Check\_H1750\_210224

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

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0224 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.328$  S/m;  $\epsilon_r = 38.849$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.54, 8.54, 8.54) @ 1750 MHz; Calibrated: 2020/03/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2020/05/27
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.63 W/kg

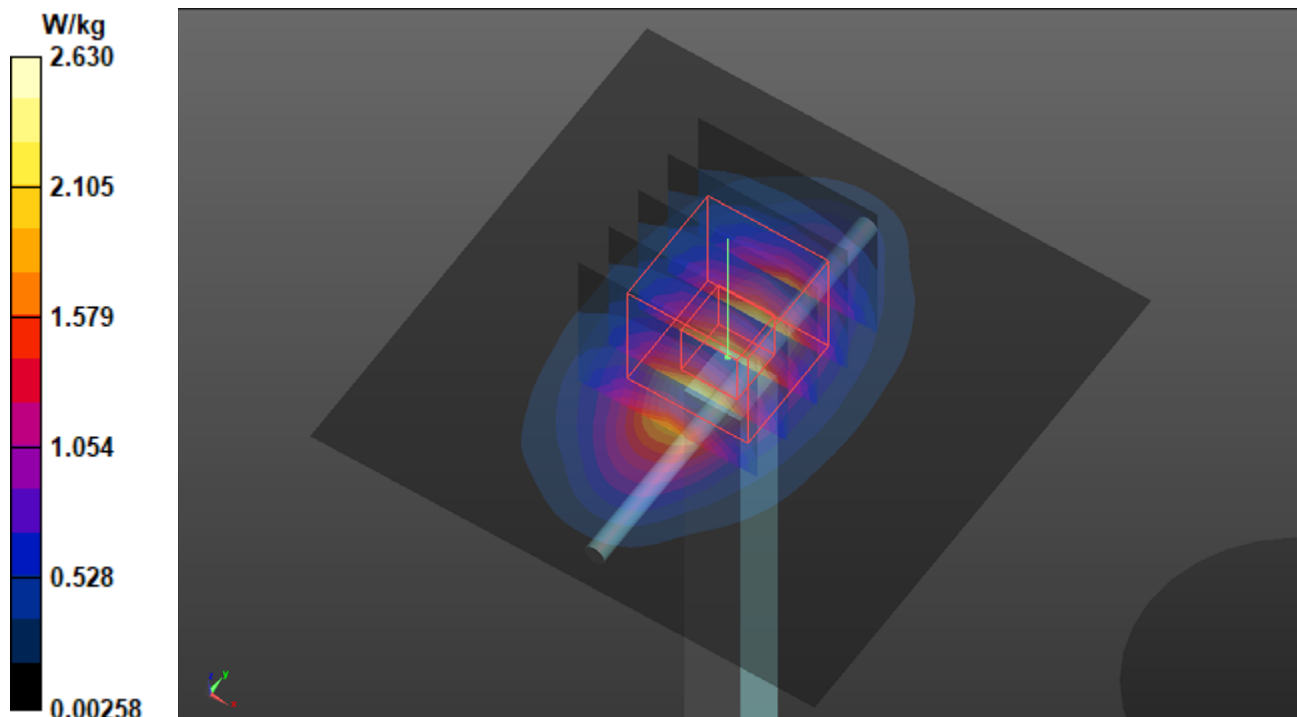
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.53 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 1.76 W/kg; SAR(10 g) = 0.950 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.66 W/kg



## System Check\_H1900\_210224

**DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d018**

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0224 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.457$  S/m;  $\epsilon_r = 38.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

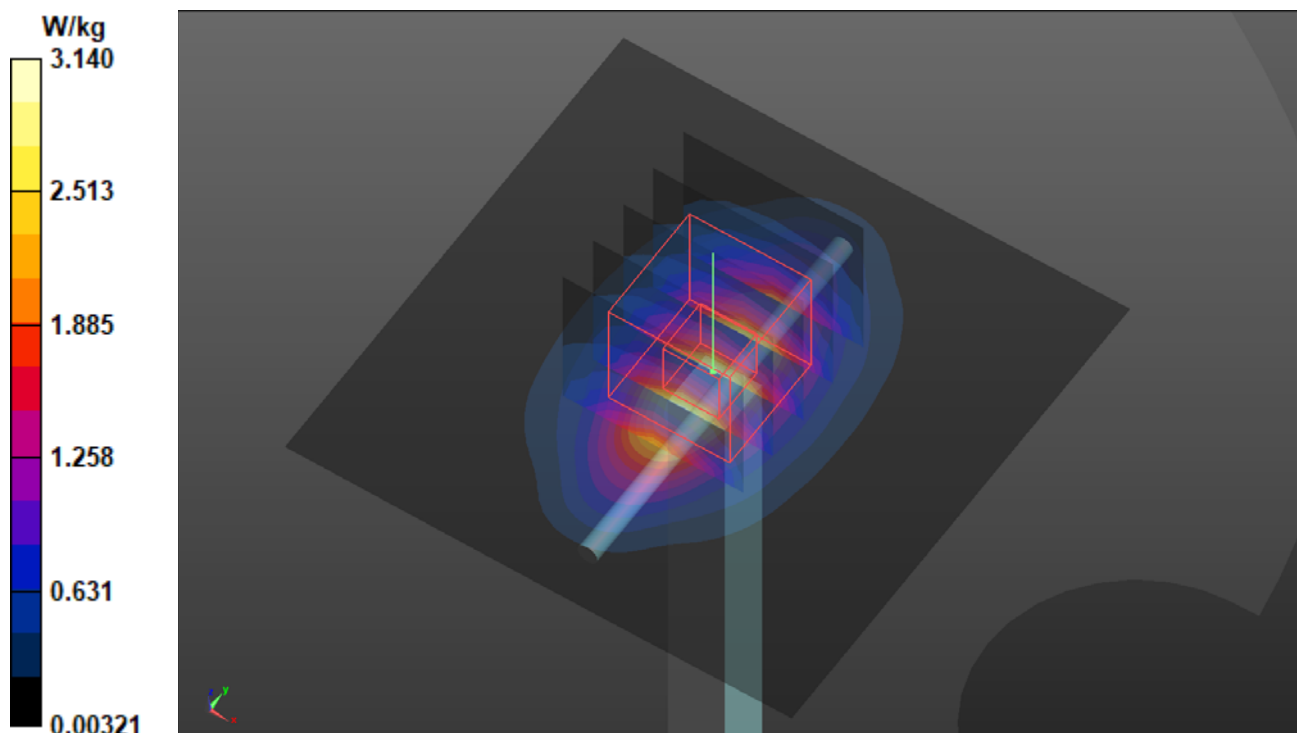
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.23, 8.23, 8.23) @ 1900 MHz; Calibrated: 2020/03/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2020/05/27
- Phantom: SAM Phantom\_1982; Type: QD 000 P41 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 3.14 W/kg

**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 48.16 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 3.76 W/kg  
**SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.02 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 3.14 W/kg



## System Check\_H2300\_210220

**DUT: Dipole 2300 MHz; Type: D2300V2; SN:1092**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0220 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.717$  S/m;  $\epsilon_r = 39.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.94, 7.94, 7.94) @ 2300 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.29 W/kg

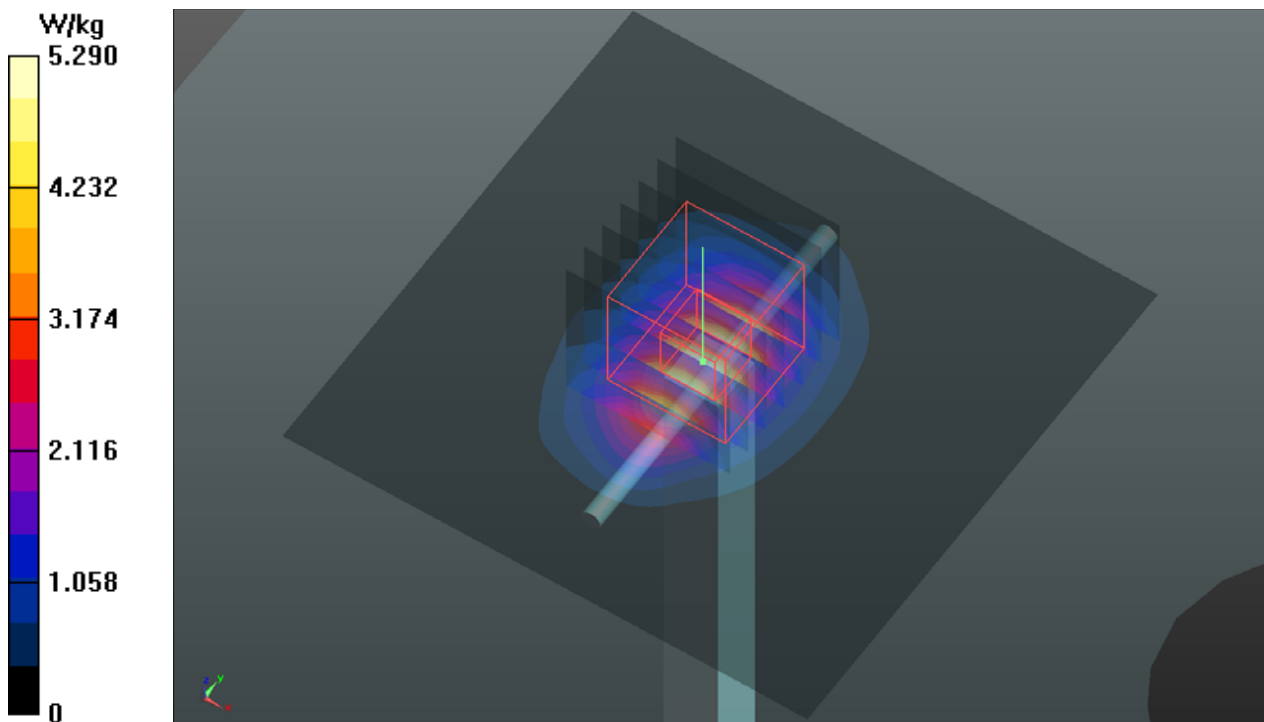
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.39 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 6.45 W/kg

**SAR(1 g) = 2.95 W/kg; SAR(10 g) = 1.09 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.35 W/kg



## System Check\_H2600\_210309

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

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: H19T27N1\_0309 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.005$  S/m;  $\epsilon_r = 37.66$ ;  $\rho = 1000$  kg/m<sup>3</sup>

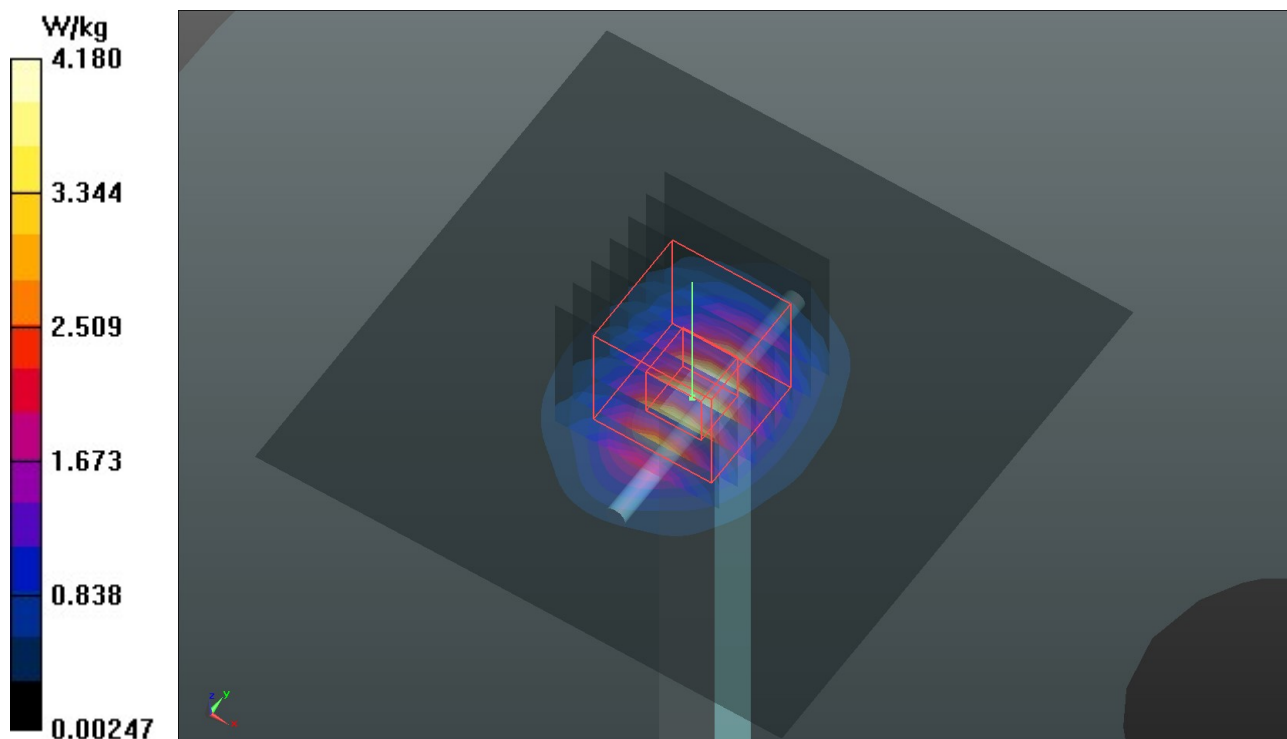
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.53, 7.53, 7.53) @ 2600 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.18 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 46.24 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 5.14 W/kg  
**SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.13 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 4.16 W/kg



## System Check\_H3500\_210309

**DUT: Dipole 3500 MHz; Type:D3500V2; SN: 1067**

Communication System: UID 0, CW; Frequency: 3500 MHz;Duty Cycle: 1:1

Medium: H34T38N1\_0309 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.895$  S/m;  $\epsilon_r = 36.468$ ;  $\rho = 1000$  kg/m<sup>3</sup>

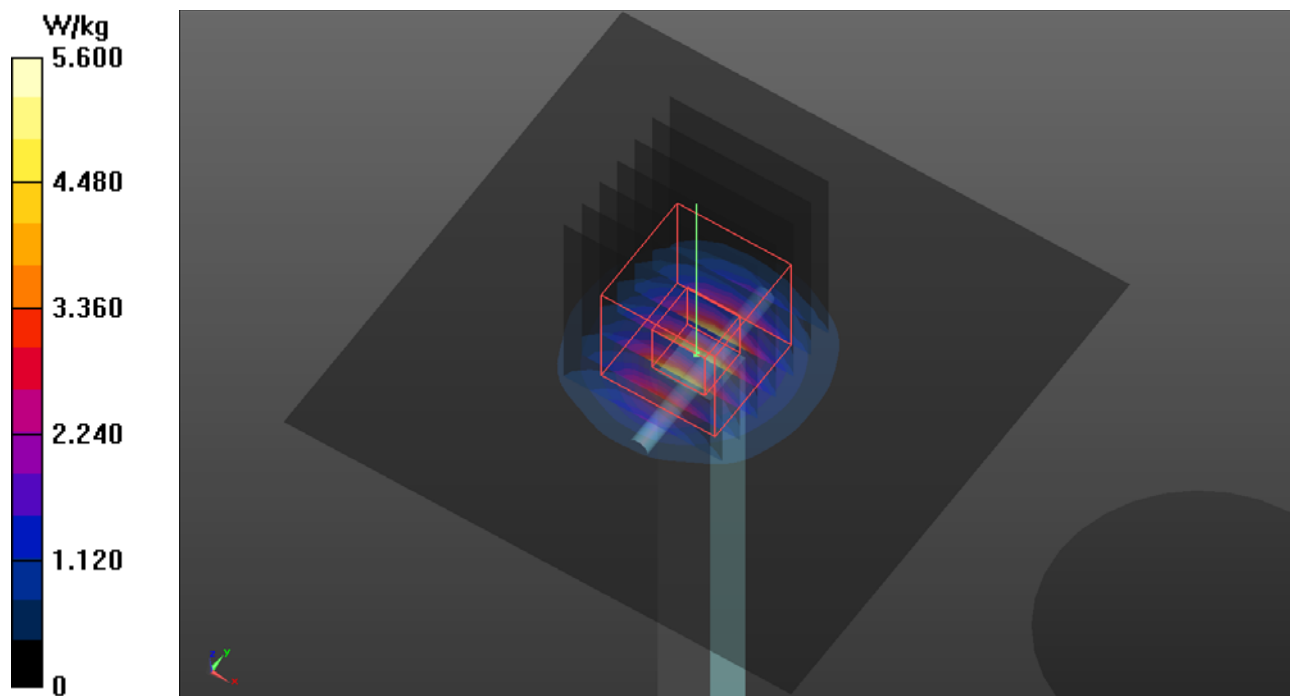
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(6.87, 6.87, 6.87) @ 3500 MHz; Calibrated: 2020/09/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2020/09/15
- Phantom: SAM Phantom\_1985; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.60 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 46.25 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 7.09 W/kg  
**SAR(1 g) = 2.98 W/kg; SAR(10 g) = 1.25 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.41 W/kg





## System Check\_H3700\_210309

**DUT: Dipole 3700 MHz; Type:D3700V2; SN: 1017**

Communication System: UID 0, CW; Frequency: 3700 MHz;Duty Cycle: 1:1

Medium: H34T38N1\_0309 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.084$  S/m;  $\epsilon_r = 36.775$ ;  $\rho = 1000$  kg/m<sup>3</sup>

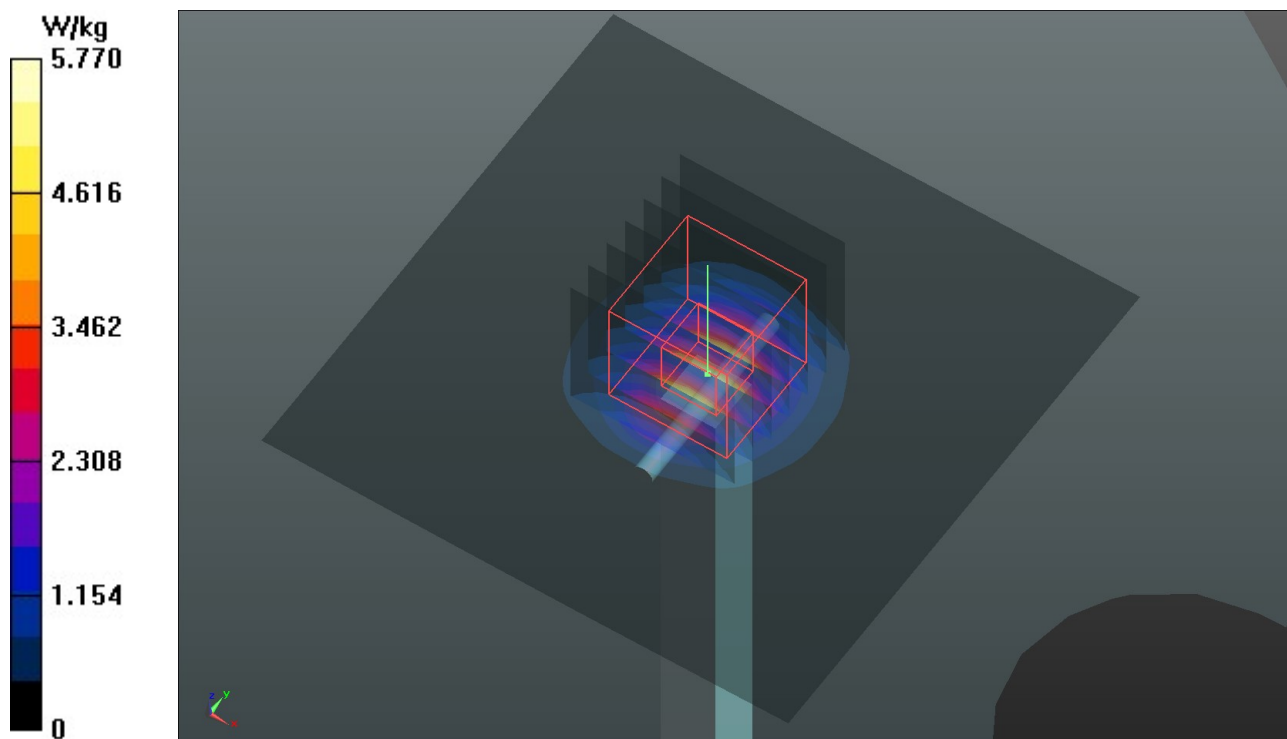
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(7.07, 7.07, 7.07) @ 3700 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 5.77 W/kg

**Pin=50mW/Zoom Scan (7x7x6)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm  
Reference Value = 46.64 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 7.25 W/kg  
**SAR(1 g) = 2.91 W/kg; SAR(10 g) = 1.1 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.58 W/kg



## System Check\_H3900\_210309

**DUT: Dipole 3900 MHz; Type:D3900V2; SN: 1020**

Communication System: UID 0, CW; Frequency: 3900 MHz;Duty Cycle: 1:1

Medium: H33T42N1\_0309 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.228$  S/m;  $\epsilon_r = 36.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(6.87, 6.87, 6.87) @ 3900 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.46 W/kg

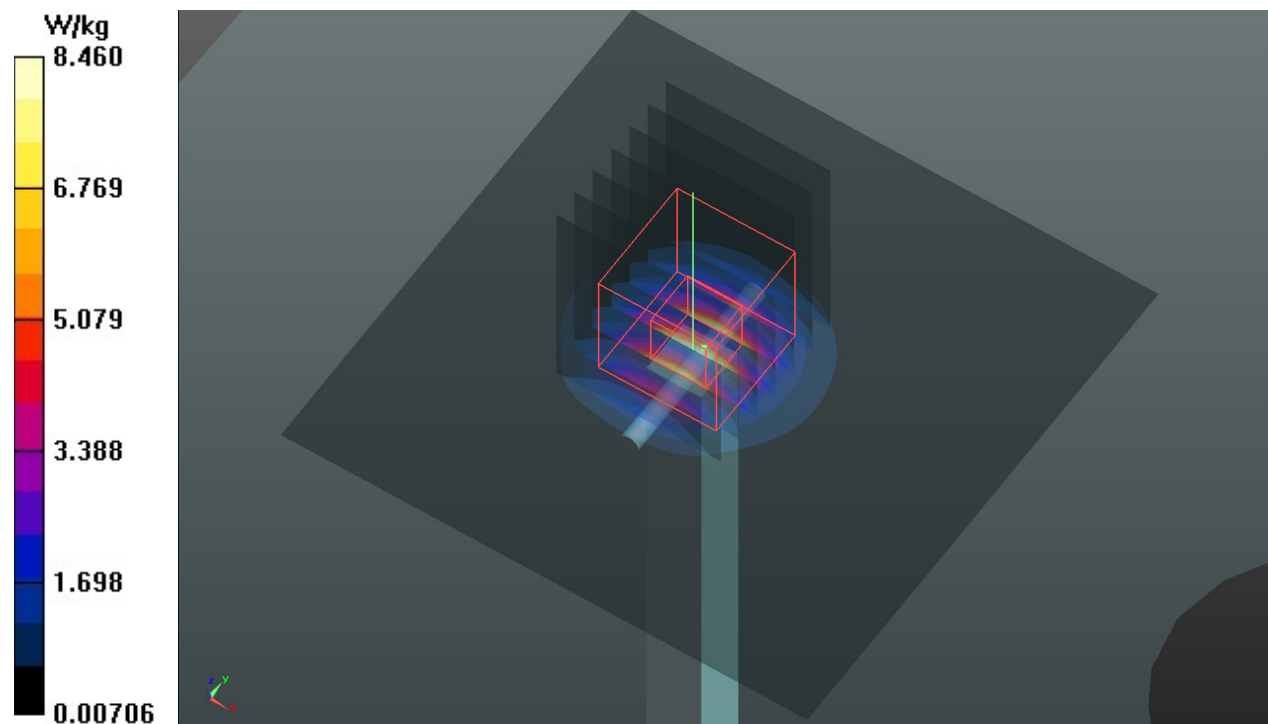
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2.5mm

Reference Value = 52.00 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.4 W/kg

**SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.31 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.22 W/kg



## System Check\_H5250\_210226

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

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0226 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.766$  S/m;  $\epsilon_r = 36.972$ ;  $\rho = 1000$  kg/m<sup>3</sup>

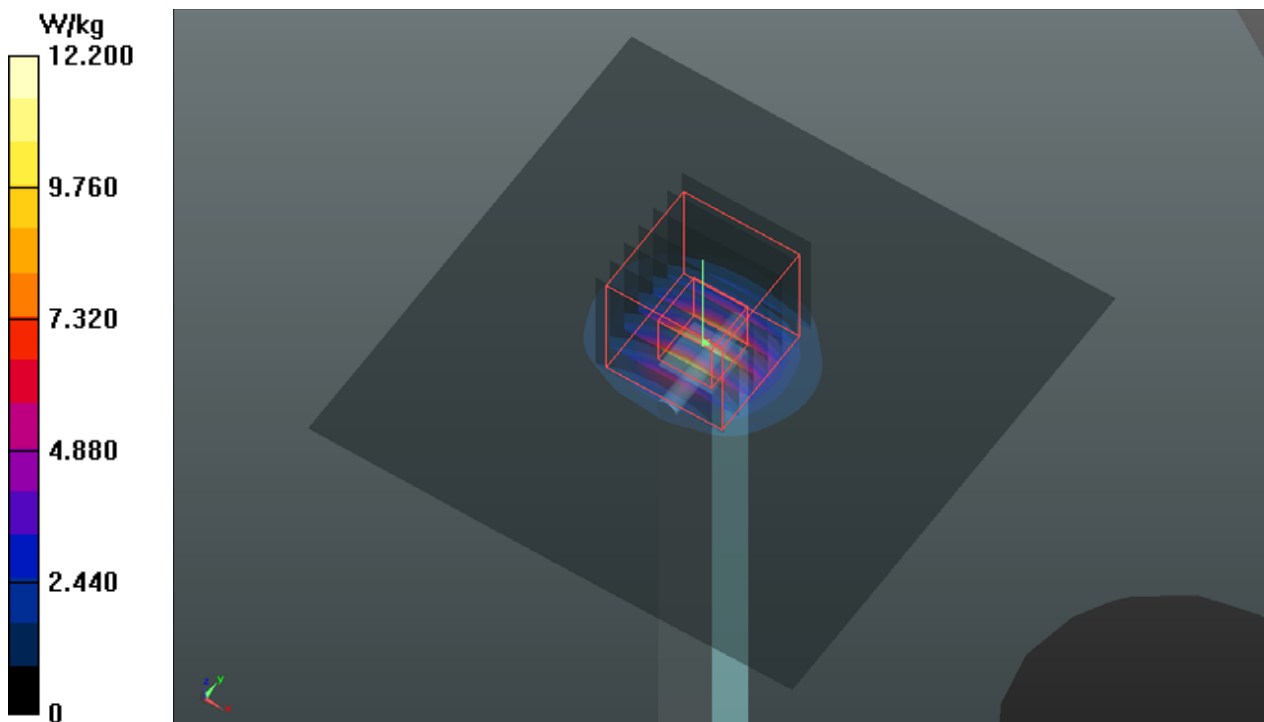
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.72, 5.72, 5.72) @ 5250 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 12.2 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 52.88 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 20.3 W/kg  
**SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.11 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 13.0 W/kg



## System Check\_H5600\_210308

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

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N1\_0308 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.002$  S/m;  $\epsilon_r = 36.115$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7472; ConvF(5.04, 5.04, 5.04) @ 5600 MHz; Calibrated: 2020/08/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2020/05/28
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=50mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.4 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.68 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 18.2 W/kg

**SAR(1 g) = 4.47 W/kg; SAR(10 g) = 1.29 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.2 W/kg

