

# ANNEX C System Check Results

Date: 2019/8/4

## System Check\_H835

### DUT: Dipole 835 MHz

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

Medium: H835 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.931 \text{ mho/m}$ ;  $\epsilon_r = 43$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.12, 6.12, 6.12); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.105 \text{ mW/g}$

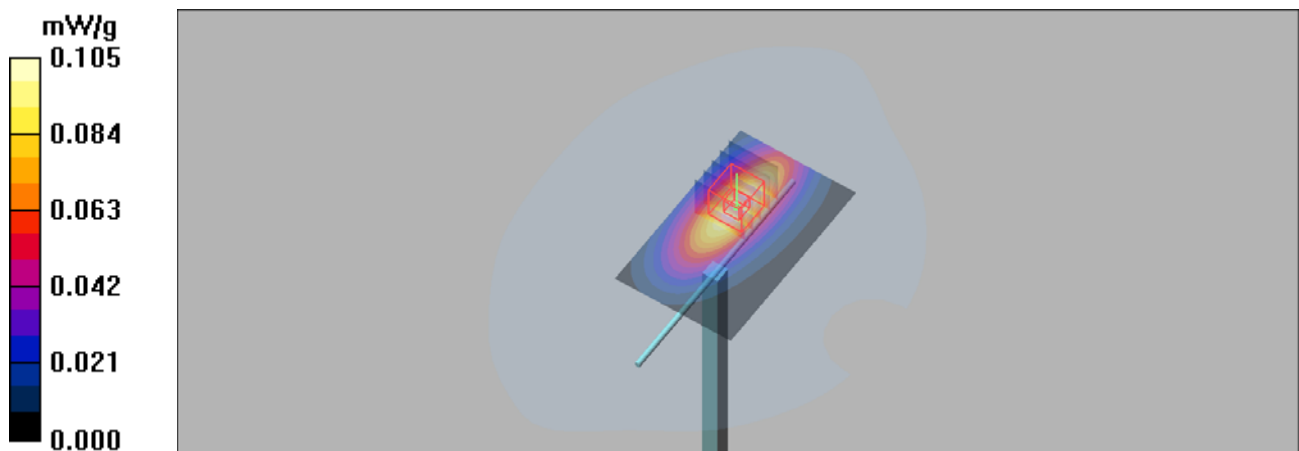
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.92 \text{ V/m}$ ; Power Drift =  $0.118 \text{ dB}$

Peak SAR (extrapolated) =  $0.133 \text{ W/kg}$

**SAR(1 g) =  $0.091 \text{ mW/g}$ ; SAR(10 g) =  $0.060 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.105 \text{ mW/g}$



## System Check\_H1750

Date: 2019/8/14

### DUT: Dipole 1750 MHz

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.34$  S/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(8.21, 8.21, 8.21); Calibrated: 6/19/2019;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 SN1291; Calibrated: 2018/12/4

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**System Check /Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 9.78 mW/g

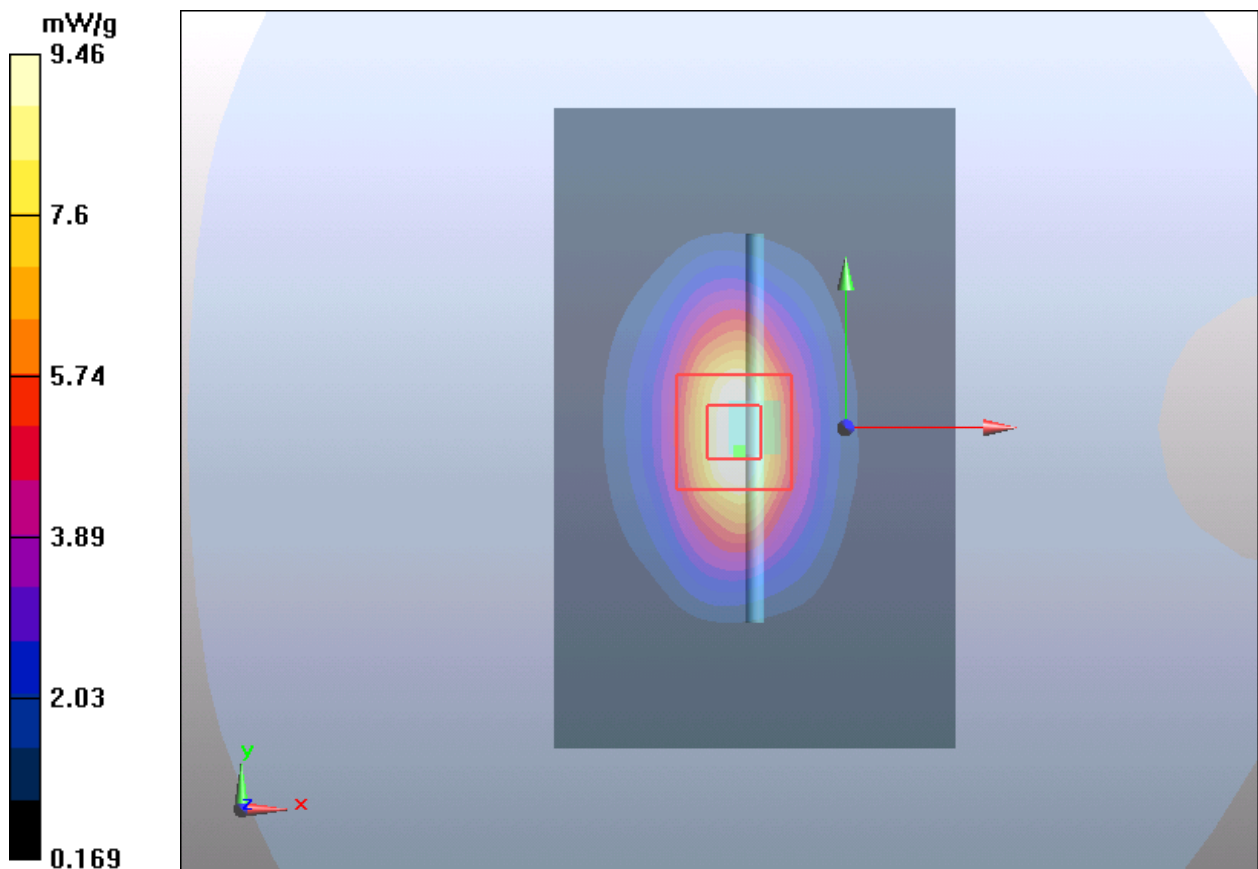
**System Check /Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 15.5 W/kg

**SAR(1 g) = 8.95 mW/g; SAR(10 g) = 4.5 mW/g**

Maximum value of SAR (measured) = 9.46 mW/g



## System Check\_H1900 MHz

Date: 2019/8/14

### DUT: Dipole 1900 MHz

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.79, 7.79, 7.79); Calibrated: 2019/6/19;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 SN1291; Calibrated: 2018/12/4

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**System Check /Area Scan (41x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.3 mW/g

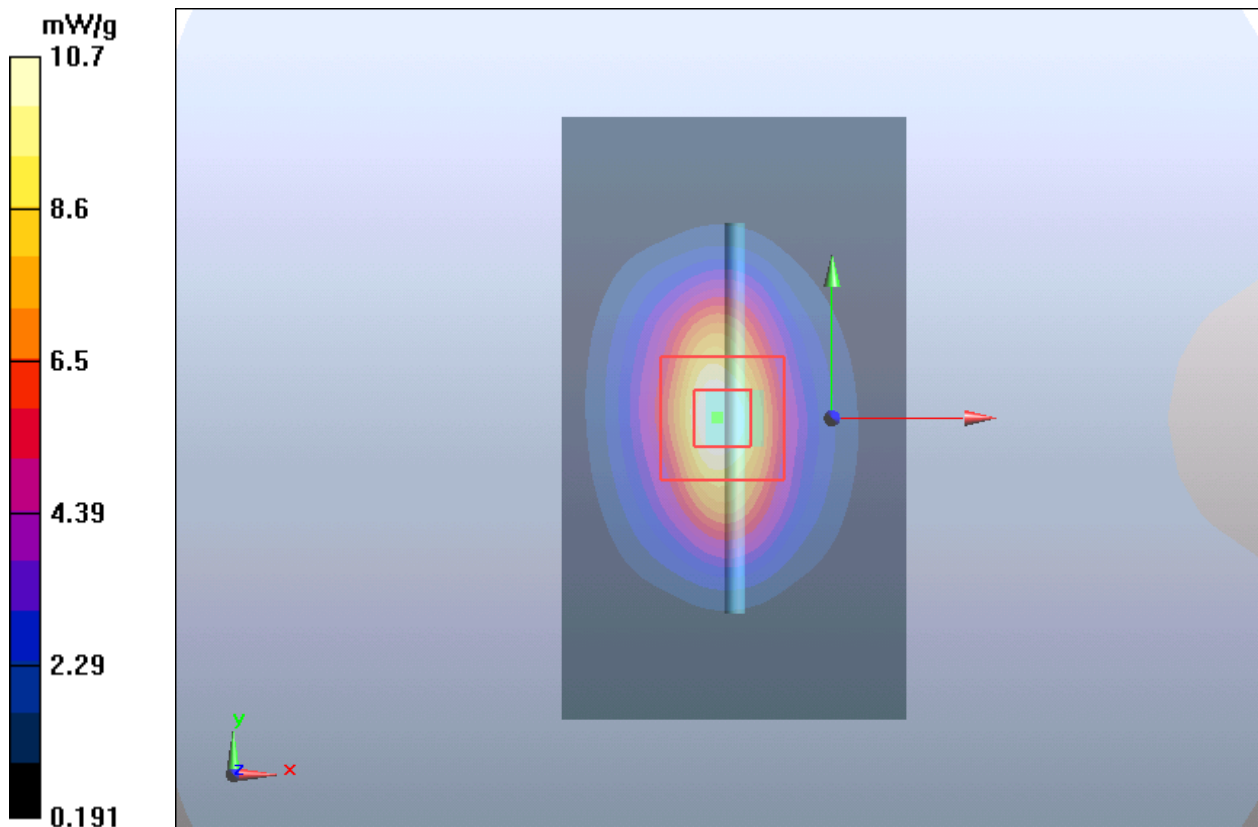
**System Check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.5 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 17.8 W/kg

**SAR(1 g) = 9.88 mW/g; SAR(10 g) = 4.9 mW/g**

Maximum value of SAR (measured) = 10.7 mW/g



## System Check\_H2450

### DUT: Dipole 2450 MHz

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

Medium: H2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.78$  mho/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.57, 4.57, 4.57); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.761 mW/g

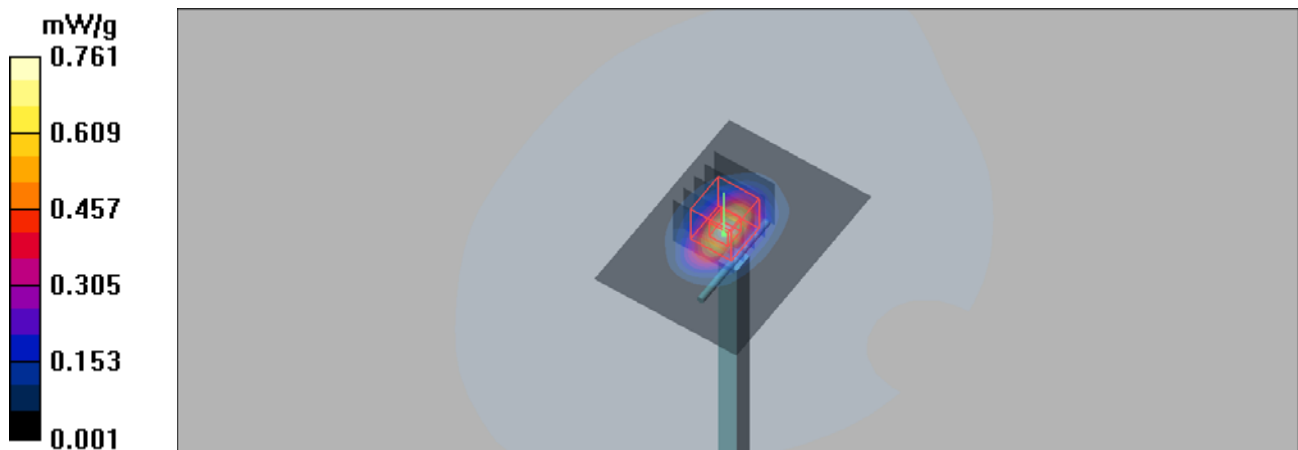
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 0.821 W/kg

**SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.241 mW/g**

Maximum value of SAR (measured) = 0.579 mW/g



## System Check\_H2600

### DUT: Dipole 2600 MHz

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

Medium: HSL2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.05$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.48, 4.48, 4.48); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.699 mW/g

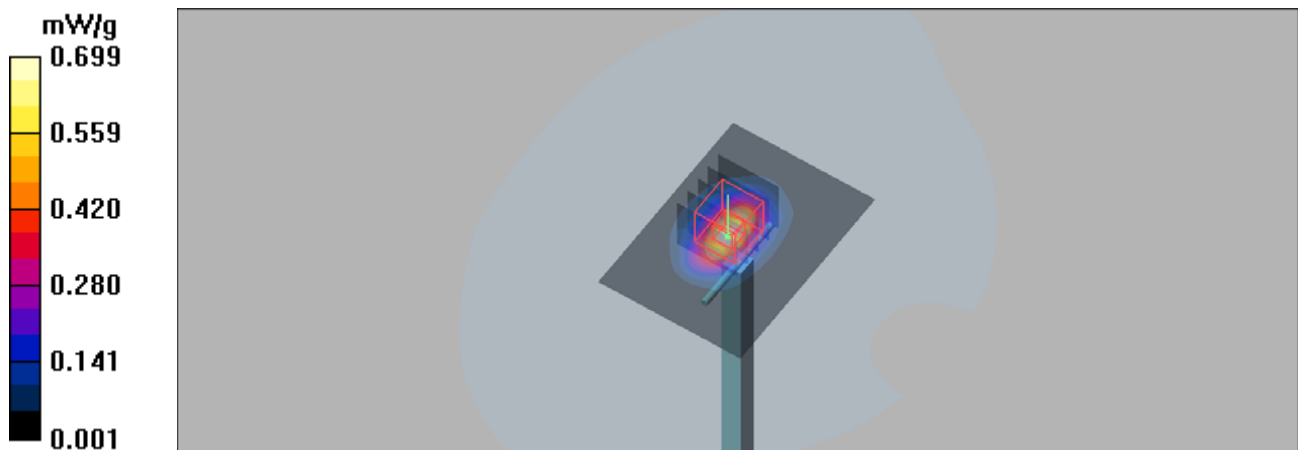
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.261 mW/g**

Maximum value of SAR (measured) = 0.624 mW/g



## System Check\_B835

### DUT: Dipole 835 MHz

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

Medium: B835 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 55.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(6.18, 6.18, 6.18); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

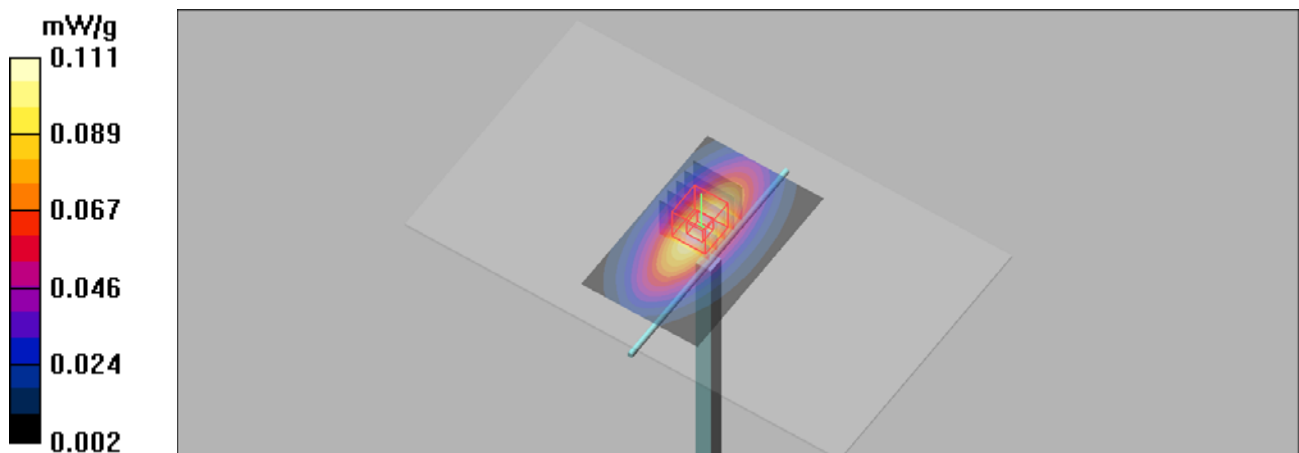
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.140 W/kg

**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.060 mW/g**

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



## System Check\_B1750

### DUT: Dipole 1750 MHz

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

Medium: B1750 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.95, 4.95, 4.95); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.510 mW/g

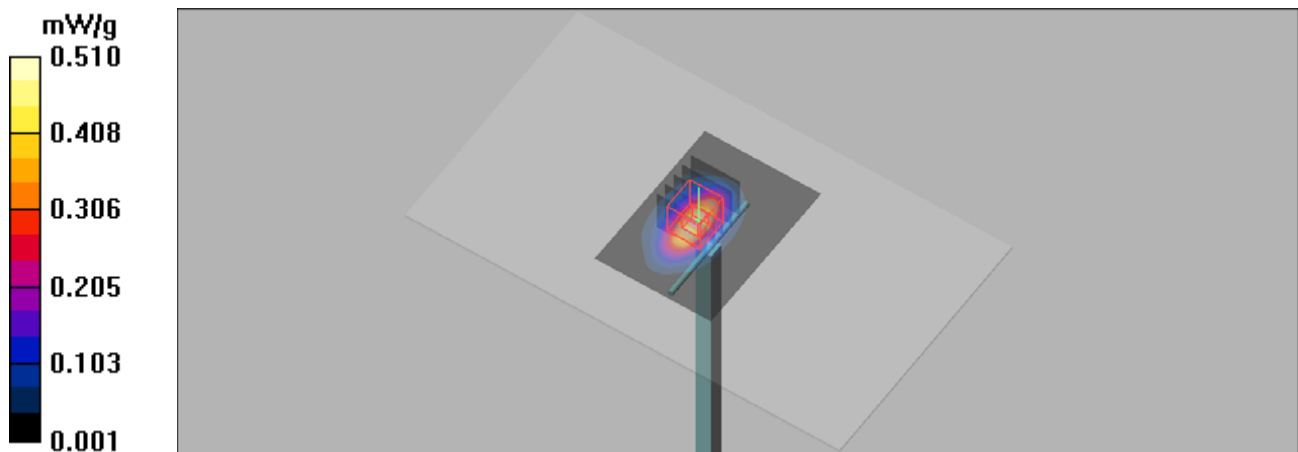
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = 0.133 dB

Peak SAR (extrapolated) = 0.621 W/kg

**SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.210 mW/g**

Maximum value of SAR (measured) = 0.467 mW/g



## System Check\_B1900

### DUT: Dipole 1900 MHz

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

Medium: B1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.79, 4.79, 4.79); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.553 mW/g

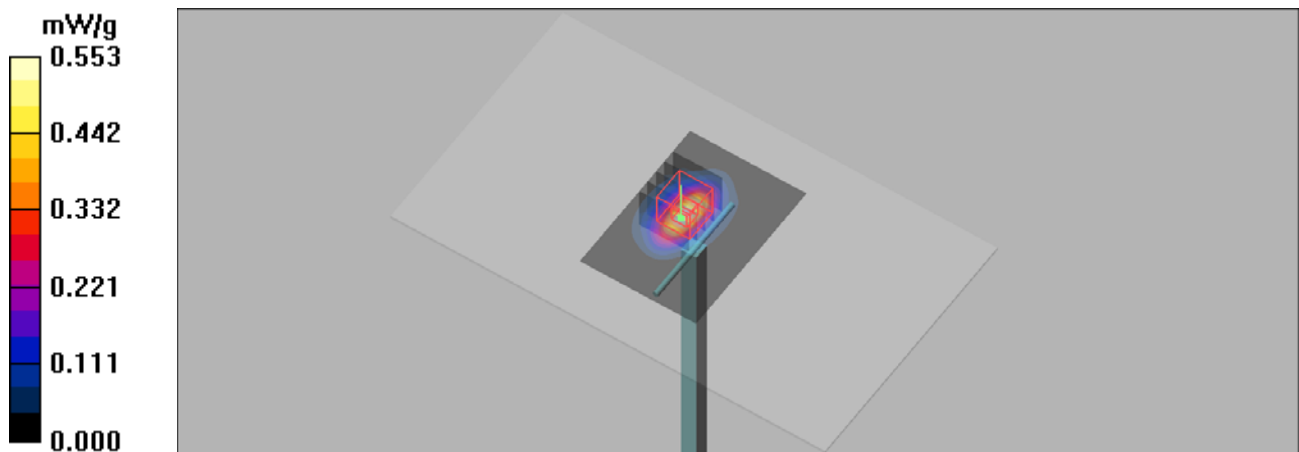
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.761 W/kg

**SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.219 mW/g**

Maximum value of SAR (measured) = 0.527 mW/g





## System Check\_B2450

### DUT: Dipole 2450 MHz

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

Medium: B2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.47, 4.47, 4.47); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.774 mW/g

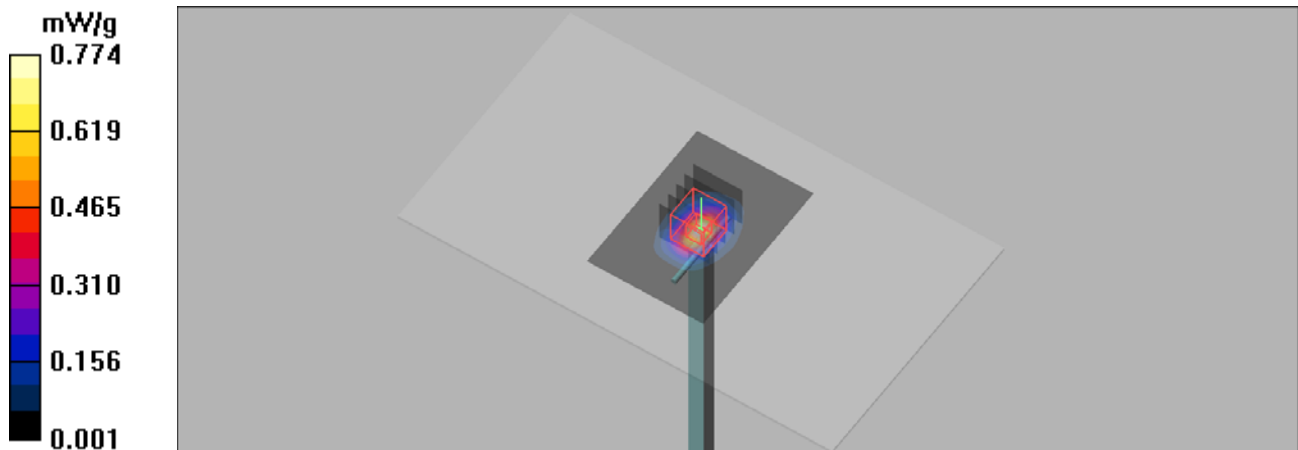
**system check/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.993 W/kg

**SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.236 mW/g**

Maximum value of SAR (measured) = 0.662 mW/g



## System Check\_B2600

### DUT: Dipole 2600 MHz

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

Medium: MSL2600 Medium parameters used:  $f = 2500$  MHz;  $\sigma = 2.08$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3090; ConvF(4.24, 4.24, 4.24); Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2019/4/11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- ; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Reference Value = 19.0 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.246 mW/g**

Maximum value of SAR (measured) = 0.729 mW/g

**system check/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.854 mW/g

