

## System Check\_B750\_170814

**DUT: Dipole:750 MHz; D750V3;SN:1078**

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

Medium: B750\_0814 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.967 \text{ S/m}$ ;  $\epsilon_r = 55.261$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(10.05, 10.05, 10.05); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (71x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $2.67 \text{ W/kg}$

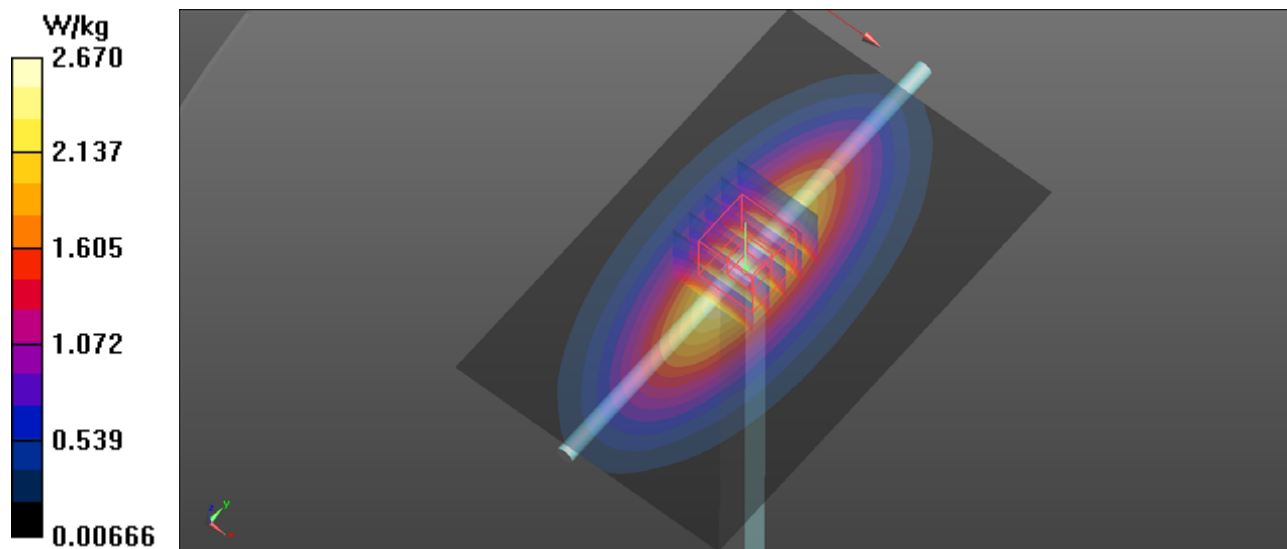
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $52.029 \text{ V/m}$ ; Power Drift =  $0.13 \text{ dB}$

Peak SAR (extrapolated) =  $3.04 \text{ W/kg}$

**SAR(1 g) =  $2.13 \text{ W/kg}$ ; SAR(10 g) =  $1.45 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.64 \text{ W/kg}$



## System Check\_B835\_170815

**DUT: Dipole:835 MHz; Type:D835V2; SN:4d029**

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

Medium: B835\_0815 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.995 \text{ S/m}$ ;  $\epsilon_r = 55.155$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.8^\circ\text{C}$ ; Liquid Temperature :  $21.9^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (61x101x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $2.90 \text{ W/kg}$

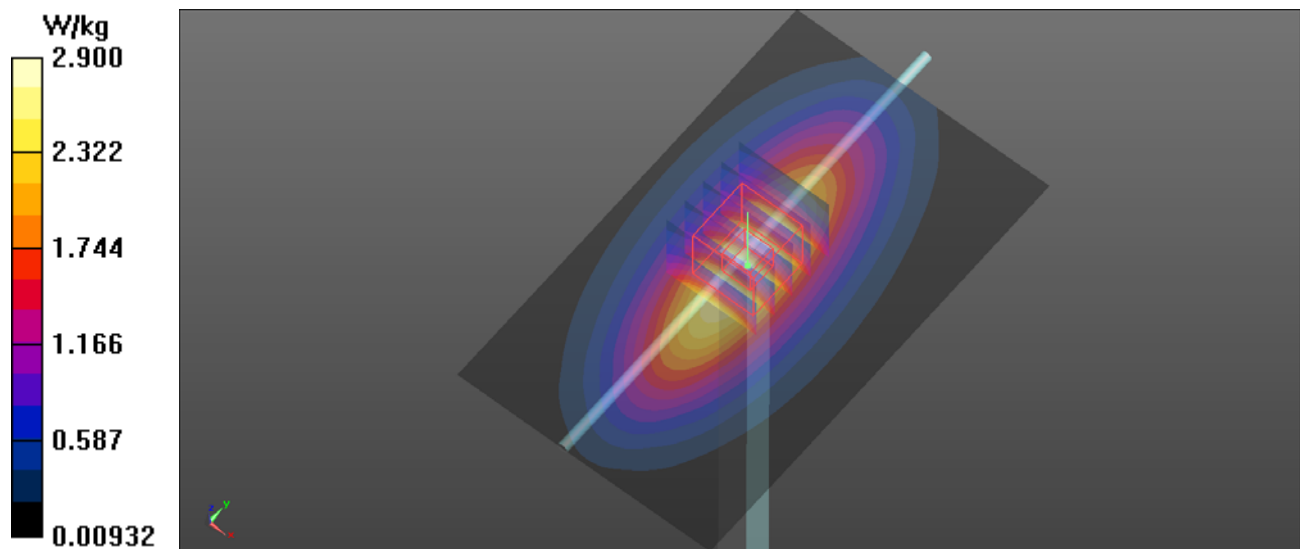
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $55.959 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $3.37 \text{ W/kg}$

**SAR(1 g) =  $2.32 \text{ W/kg}$ ; SAR(10 g) =  $1.55 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.91 \text{ W/kg}$



## System Check\_B1750\_170816

**DUT: Dipole 1750 MHz;Type:D1750V2; SN:1023**

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

Medium: B1750\_0816 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 54.601$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(8.17, 8.17, 8.17); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.4 W/kg

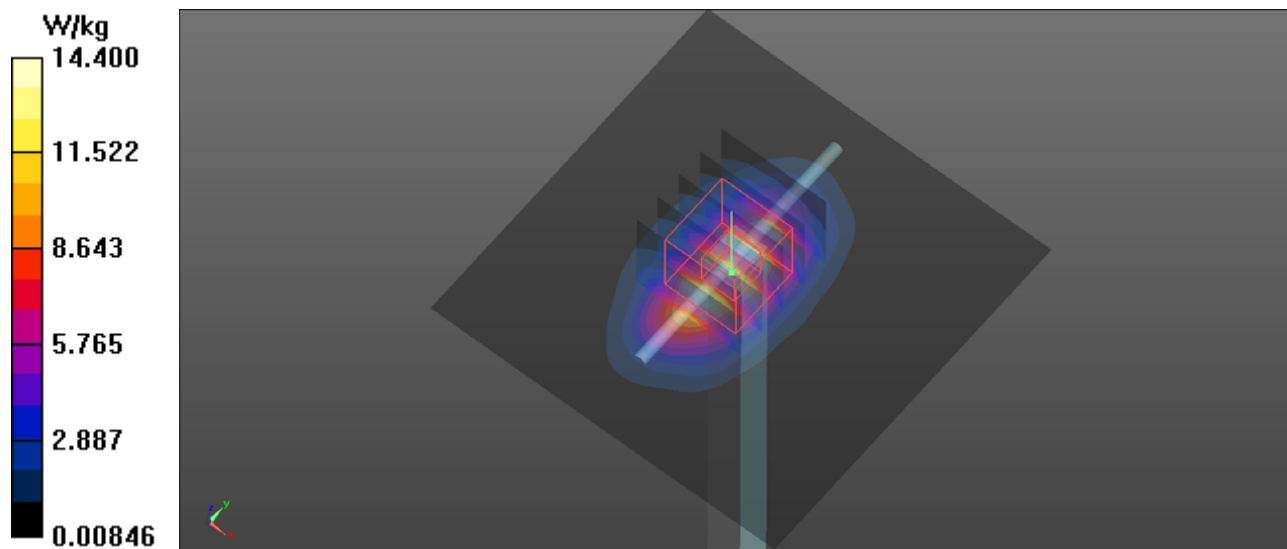
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.612 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 17.4 W/kg

**SAR(1 g) = 9.57 W/kg; SAR(10 g) = 5.17 W/kg**

Maximum value of SAR (measured) = 15.0 W/kg



## System Check\_B1900\_170817

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

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

Medium: B1900\_0817 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.526 \text{ S/m}$ ;  $\epsilon_r = 53.681$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.1 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(8.17, 8.17, 8.17); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $15.5 \text{ W/kg}$

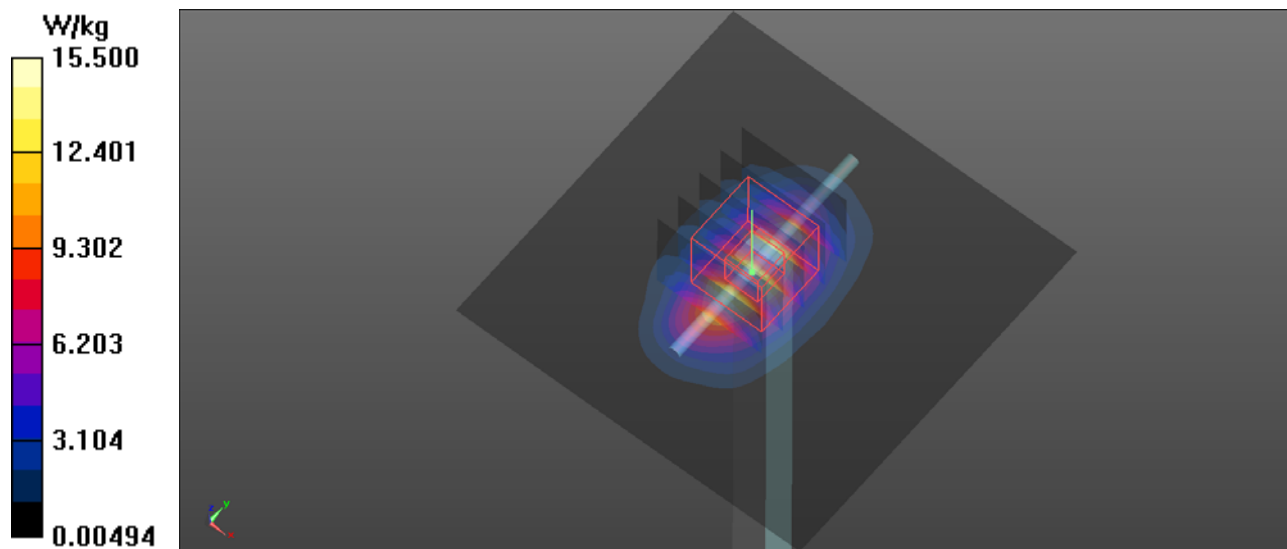
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $95.227 \text{ V/m}$ ; Power Drift =  $0.18 \text{ dB}$

Peak SAR (extrapolated) =  $18.7 \text{ W/kg}$

**SAR(1 g) =  $10.5 \text{ W/kg}$ ; SAR(10 g) =  $5.49 \text{ W/kg}$**

Maximum value of SAR (measured) =  $16.0 \text{ W/kg}$



## System Check\_B2300\_170801

**DUT: Dipole 2300 MHz;Type:D2300V2; SN:1053**

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

Medium: B2300\_0806 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.801$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.9, 7.9, 7.9); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.5 W/kg

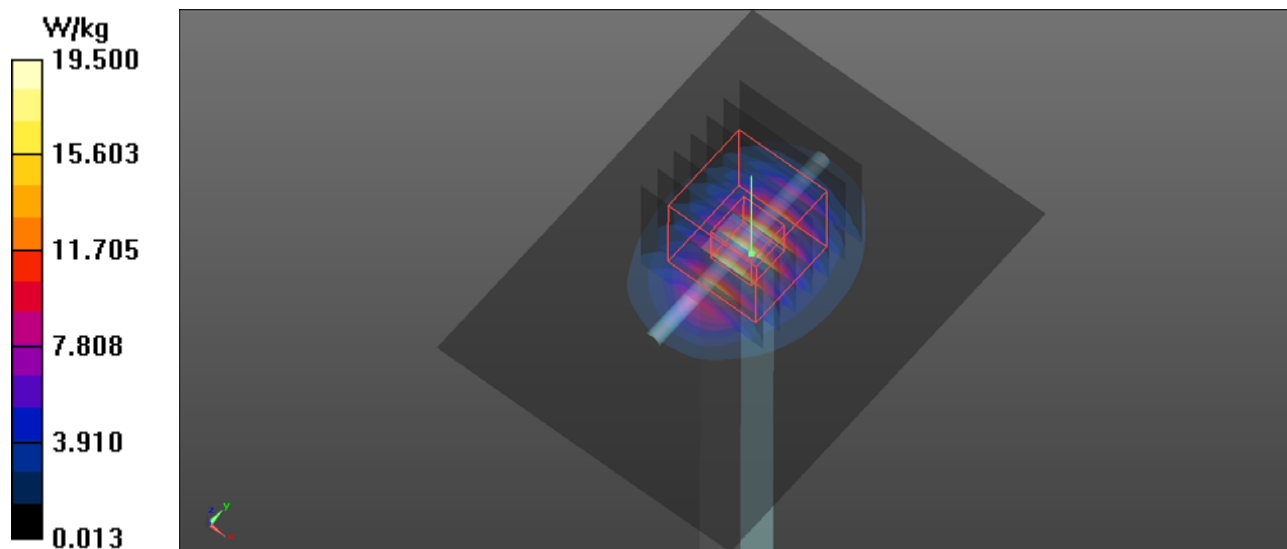
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.955 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 20.9 W/kg

**SAR(1 g) = 12.5 W/kg; SAR(10 g) = 6.09 W/kg**

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



## System Check\_B2450\_170828

**DUT: Dipole 2450 MHz; Type:D2450V2; SN:835**

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

Medium: B2450\_0828 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.008$  S/m;  $\epsilon_r = 53.053$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.9 °C; Liquid Temperature : 21.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.57, 7.57, 7.57); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 20.6 W/kg

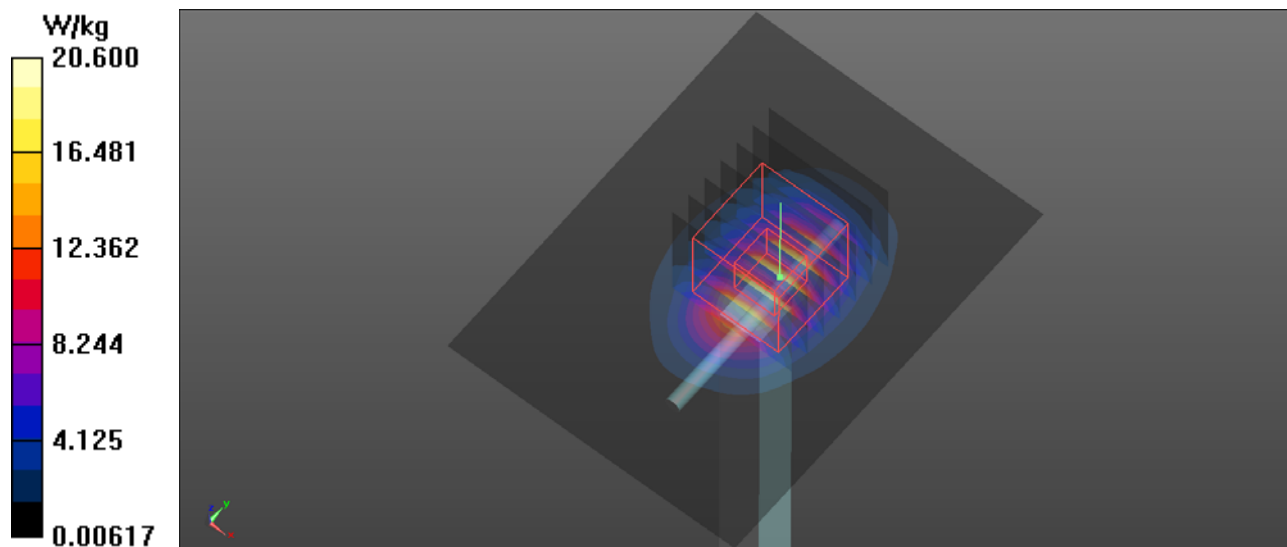
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.143 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 25.0 W/kg

**SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.62 W/kg**

Maximum value of SAR (measured) = 20.1 W/kg



## System Check\_B2600\_170801

**DUT: Dipole 2600 MHz; Type:D2600V2; SN:1058**

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

Medium: B2600\_0801 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.198$  S/m;  $\epsilon_r = 52.41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(7.41, 7.41, 7.41); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 24.0 W/kg

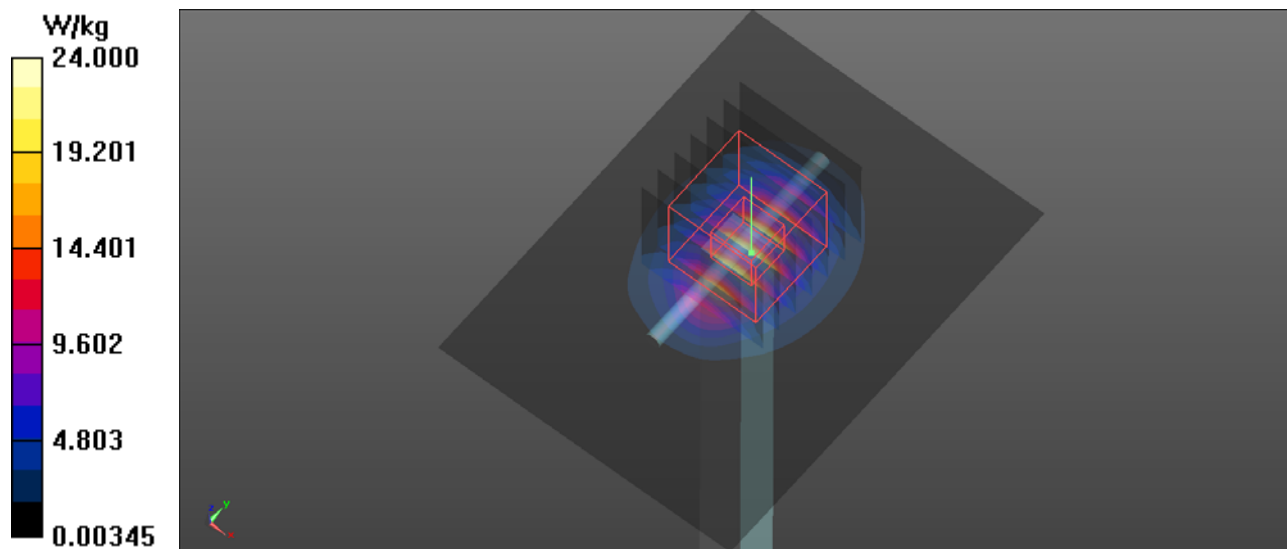
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.153 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 29.1 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.92 W/kg**

Maximum value of SAR (measured) = 23.1 W/kg



## System Check\_B5300\_170824

**DUT: Dipole D5GHzV2; Type:D5GHzV2; SN:1040**

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: B5G\_0824 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.342$  S/m;  $\epsilon_r = 50.805$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.75, 4.75, 4.75); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 16.3 W/kg

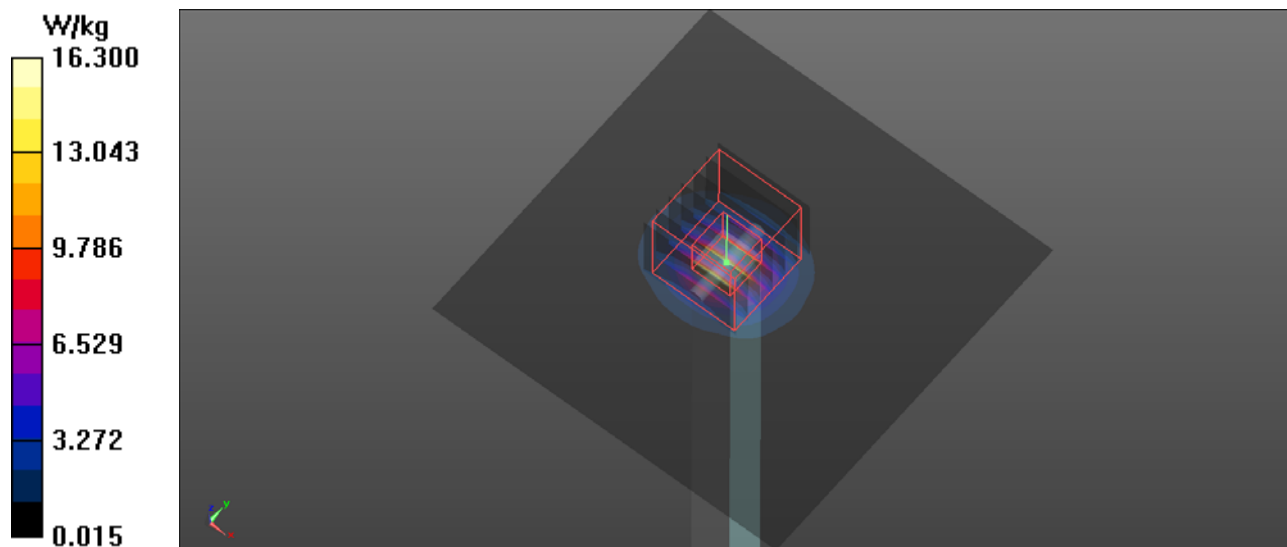
**Pin=100mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.635 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 27.4 W/kg

**SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (measured) = 17.0 W/kg



## System Check\_B5600\_170824

### DUT: Dipole D5GHzV2; Type:D5GHzV2; SN:1040

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

Medium: B5G\_0824 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.851$  S/m;  $\epsilon_r = 50.235$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.22, 4.22, 4.22); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 19.3 W/kg

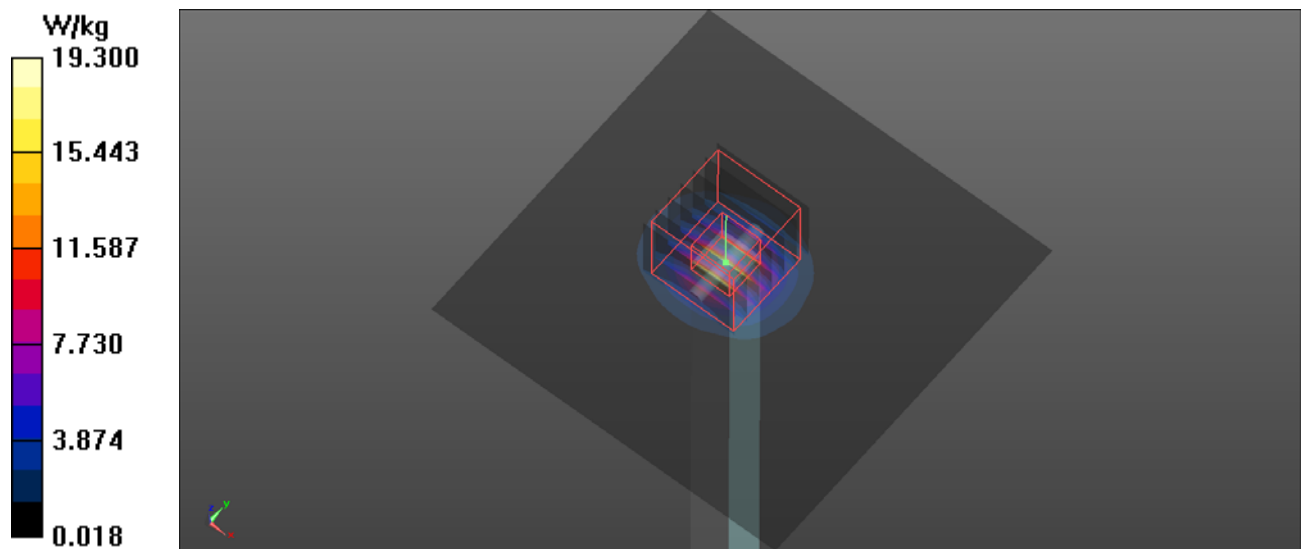
**Pin=100mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 50.107 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 30.9 W/kg

**SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.23 W/kg**

Maximum value of SAR (measured) = 20.2 W/kg



## System Check\_B5800\_170824

### DUT: Dipole D5GHzV2; Type:D5GHzV2; SN:1040

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

Medium: B5G\_0824 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.153$  S/m;  $\epsilon_r = 49.738$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3970; ConvF(4.34, 4.34, 4.34); Calibrated: 2016/09/07;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1418; Calibrated: 2016/09/05
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1231
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 18.8 W/kg

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

Reference Value = 48.714 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 35.6 W/kg

**SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.09 W/kg**

Maximum value of SAR (measured) = 20.5 W/kg

