

Test Laboratory: BTL Inc.

Date: 2018/1/20

### System Check\_H835\_0120

**DUT: Dipole 835 MHz D835V2;SN:4d160;**

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.889$  S/m;  $\epsilon_r = 42.994$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(9.72, 9.72, 9.72); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (8x13x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.37 W/kg

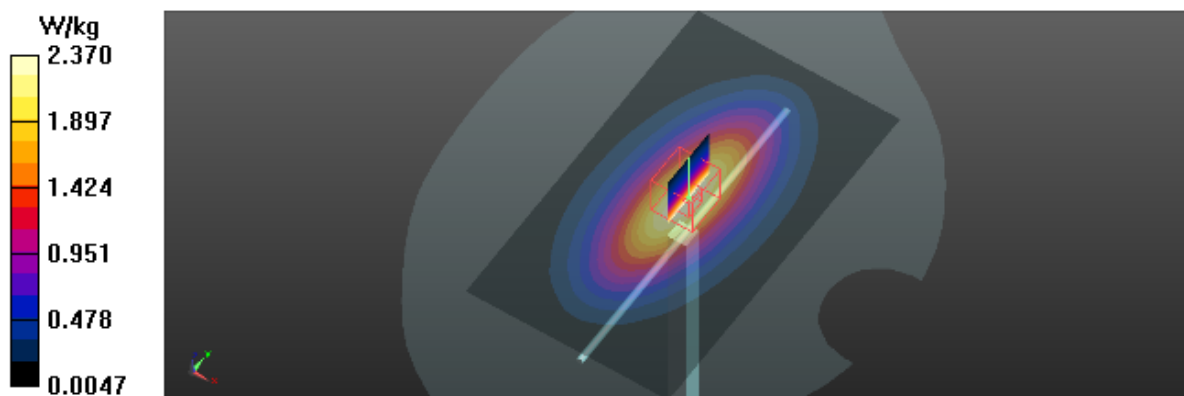
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.11 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.18 W/kg

**SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.53 W/kg**

Maximum value of SAR (measured) = 2.37 W/kg



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### System Check\_H1750\_0121

**DUT: Dipole 1750 MHz D1750V2;SN:1101;**

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 39.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.61, 8.61, 8.61); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x7x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

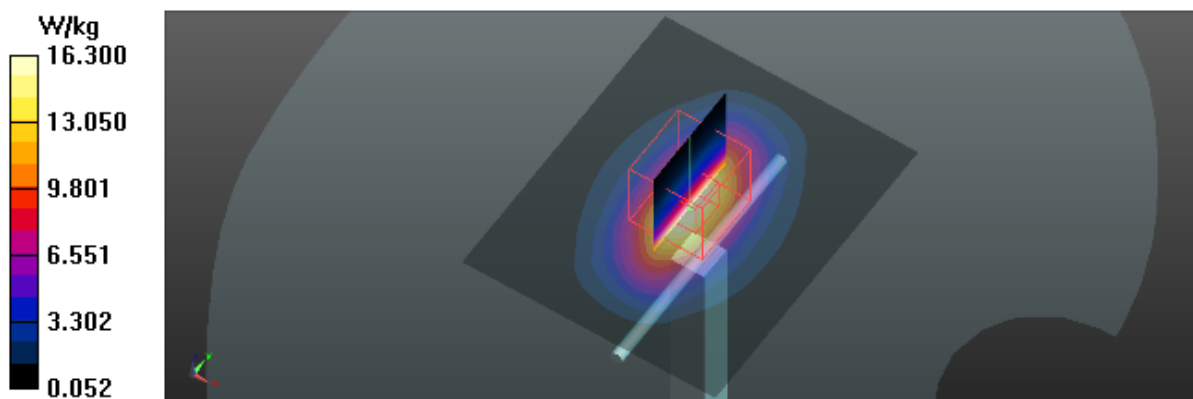
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.3 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 19.8 W/kg

**SAR(1 g) = 9.34 W/kg; SAR(10 g) = 4.7 W/kg**

Maximum value of SAR (measured) = 16.1 W/kg



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### System Check\_H1900\_0120

**DUT: Dipole 1900 MHz D1900V2;SN:5d179;**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.423$  S/m;  $\epsilon_r = 39.098$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.13, 8.13, 8.13); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x6x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 15.8 W/kg

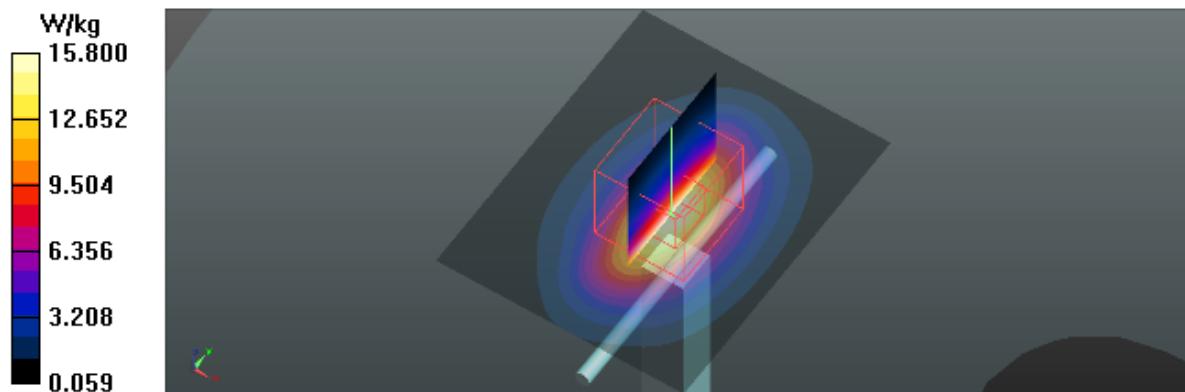
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.2 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 17.8 W/kg

**SAR(1 g) = 9.99 W/kg; SAR(10 g) = 5.28 W/kg**

Maximum value of SAR (measured) = 15.2 W/kg



Test Laboratory: BTL Inc.

Date: 2018/1/21

### System Check\_H2450\_0121

**DUT: Dipole 2450 MHz D2450V2;SN:919;**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.865$  S/m;  $\epsilon_r = 39.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.57, 7.57, 7.57); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x7x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.0 W/kg

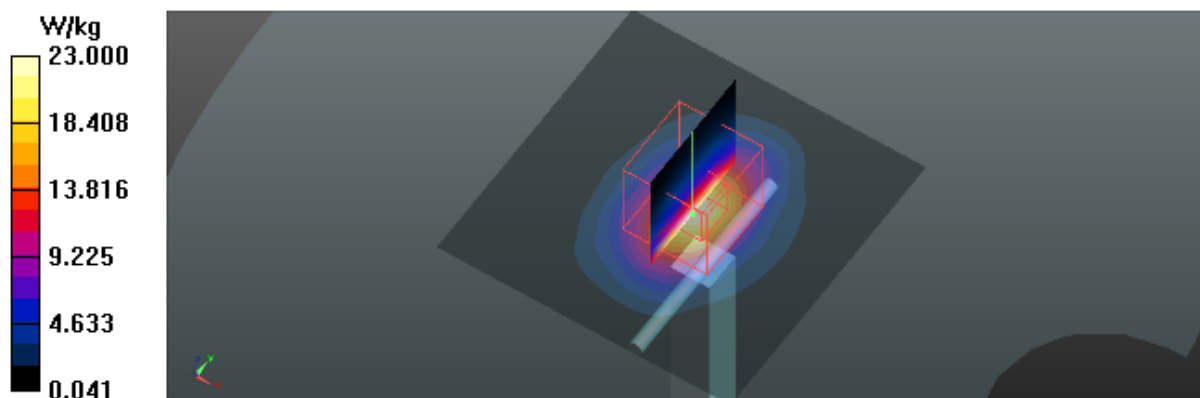
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.3 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 26.7 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.13 W/kg**

Maximum value of SAR (measured) = 22.1 W/kg



Test Laboratory: BTL Inc.

Date: 2018/2/11

### System Check\_H2450\_0211

**DUT: Dipole 2450 MHz D2450V2;SN:919;**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.877$  S/m;  $\epsilon_r = 39.169$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.57, 7.57, 7.57); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x6x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 17.9 W/kg

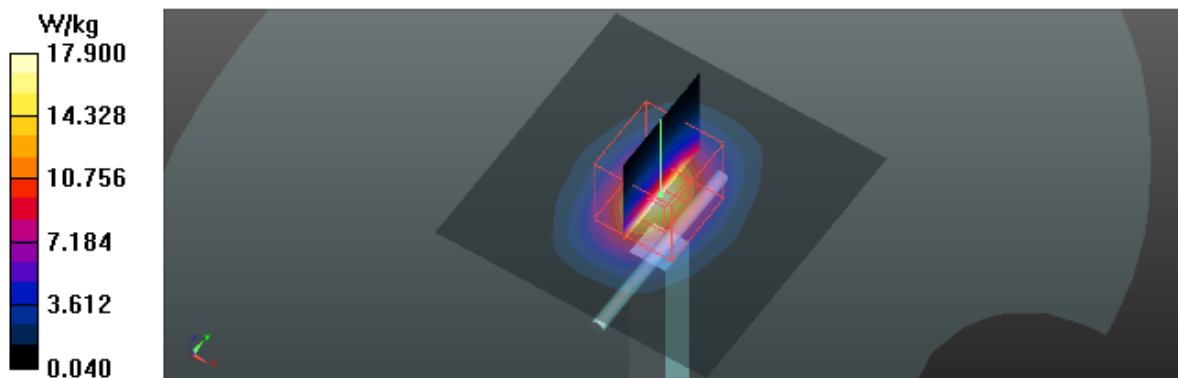
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 106.5 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 28.2 W/kg

**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.22 W/kg**

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



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Date: 2018/1/21

### System Check\_H2600\_0121

**DUT: Dipole 2600 MHz D2600V2;SN:1067;**

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.024$  S/m;  $\epsilon_r = 38.632$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.38, 7.38, 7.38); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x7x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.9 W/kg

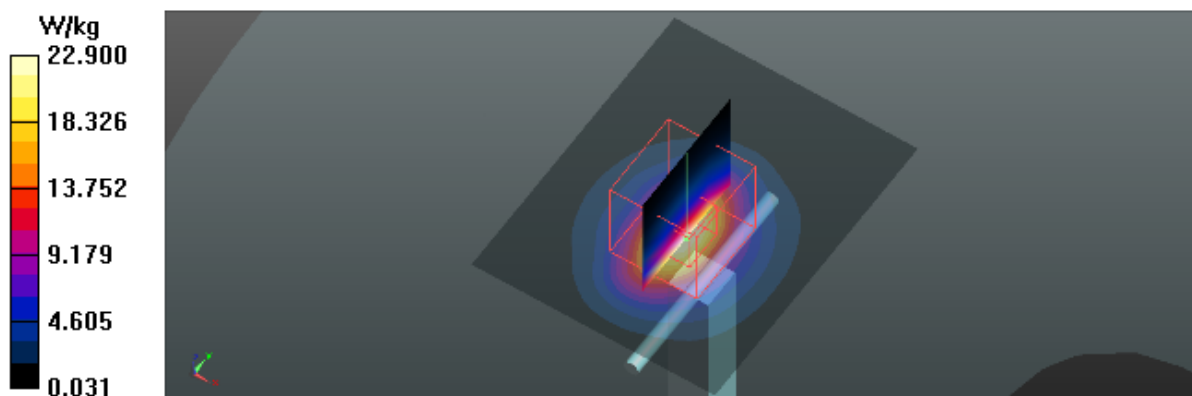
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.92 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.2 W/kg

**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.12 W/kg**

Maximum value of SAR (measured) = 22.8 W/kg



Test Laboratory: BTL Inc.

Date: 2018/1/22

### System Check\_B835\_0122

**DUT: Dipole 835 MHz D835V2;SN:4d160;**

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.973$  S/m;  $\epsilon_r = 54.159$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(9.88, 9.88, 9.88); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x13x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.56 W/kg

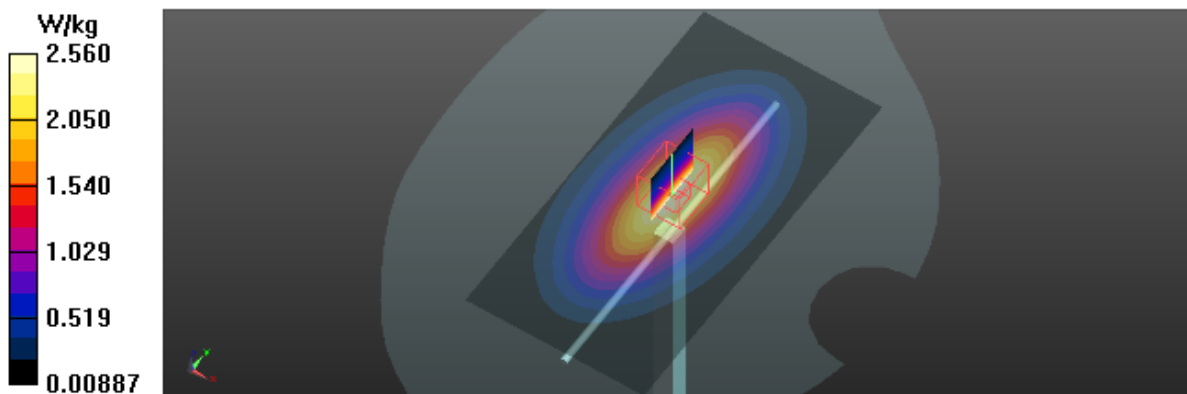
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.26 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.39 W/kg

**SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.53 W/kg**

Maximum value of SAR (measured) = 2.53 W/kg



Test Laboratory: BTL Inc.

Date: 2018/1/24

### System Check\_B1750\_0124

**DUT: Dipole 1750 MHz D1750V2;SN:1101;**

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.497$  S/m;  $\epsilon_r = 52.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.24, 8.24, 8.24); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x7x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 10.6 W/kg

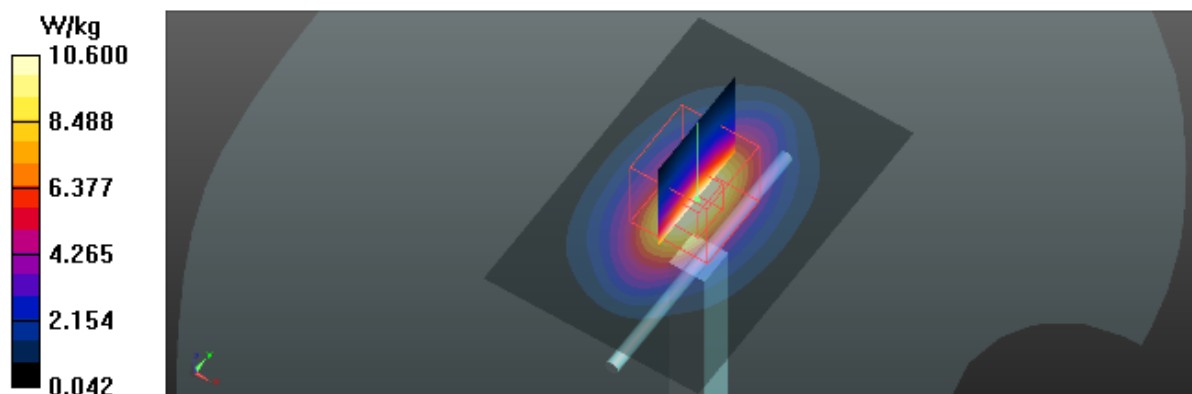
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 14.9 W/kg

**SAR(1 g) = 9.1 W/kg; SAR(10 g) = 5.06 W/kg**

Maximum value of SAR (measured) = 10.2 W/kg





Test Laboratory: BTL Inc.

Date: 2018/1/23

### System Check\_B1900\_0123

**DUT: Dipole 1900 MHz D1900V2;SN:5d179;**

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.552$  S/m;  $\epsilon_r = 51.952$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.97, 7.97, 7.97); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x6x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

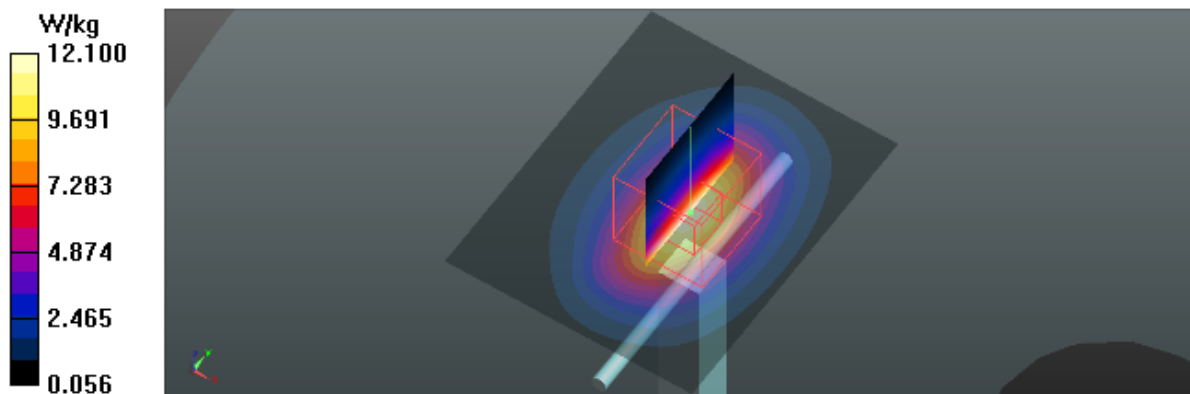
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.86 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.85 W/kg; SAR(10 g) = 5.21 W/kg**

Maximum value of SAR (measured) = 11.1 W/kg



Test Laboratory: BTL Inc.

Date: 2018/1/21

### System Check\_B2450\_0121

**DUT: Dipole 2450 MHz D2450V2;SN:919;**

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.997$  S/m;  $\epsilon_r = 51.664$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.53, 7.53, 7.53); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x7x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 16.4 W/kg

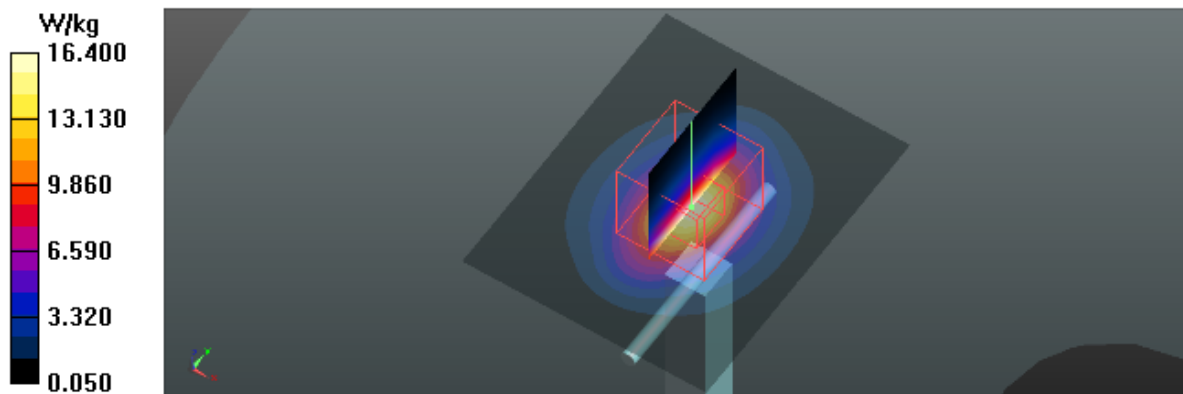
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.93 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 26.4 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.94 W/kg**

Maximum value of SAR (measured) = 14.6 W/kg



Test Laboratory: BTL Inc.

Date: 2018/1/25

### System Check\_B2600\_0125

**DUT: Dipole 2600 MHz D2600V2;SN:1067;**

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.203$  S/m;  $\epsilon_r = 52.267$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.38, 7.38, 7.38); Calibrated: 2017/5/25;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x5x1):** Interpolated grid: dx=15 mm, dy=15 mm

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

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

Reference Value = 94.88 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 29.8 W/kg

**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 5.98 W/kg**

Maximum value of SAR (measured) = 15.5 W/kg

