

Test Laboratory: BTL Inc.

Date: 2017/3/2

### System Check\_B835\_0302

**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;  $\sigma = 0.967$  S/m;  $\epsilon_r = 54.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(9.91, 9.91, 9.91); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x12x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.55 W/kg

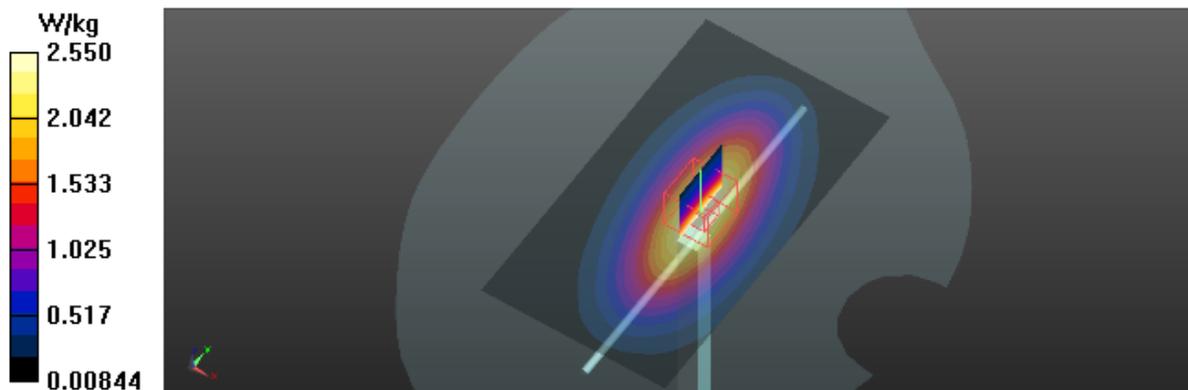
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.77 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.43 W/kg

**SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.58 W/kg**

Maximum value of SAR (measured) = 2.55 W/kg



Test Laboratory: BTL Inc.

Date: 2017/2/28

### System Check\_B1750\_0228

**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;  $\sigma = 1.506$  S/m;  $\epsilon_r = 52.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(8.25, 8.25, 8.25); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- 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) = 10.3 W/kg

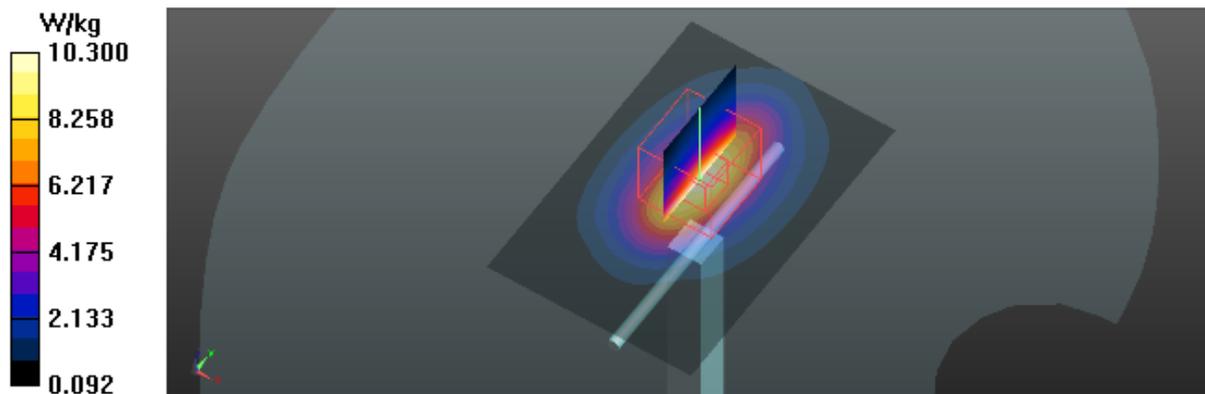
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.20 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 14.5 W/kg

**SAR(1 g) = 8.57 W/kg; SAR(10 g) = 4.75 W/kg**

Maximum value of SAR (measured) = 9.60 W/kg



Test Laboratory: BTL Inc.

Date: 2017/3/1

### System Check\_B1900\_0301

**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;  $\sigma = 1.524$  S/m;  $\epsilon_r = 52.62$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(7.96, 7.96, 7.96); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (4x5x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 11.8 W/kg

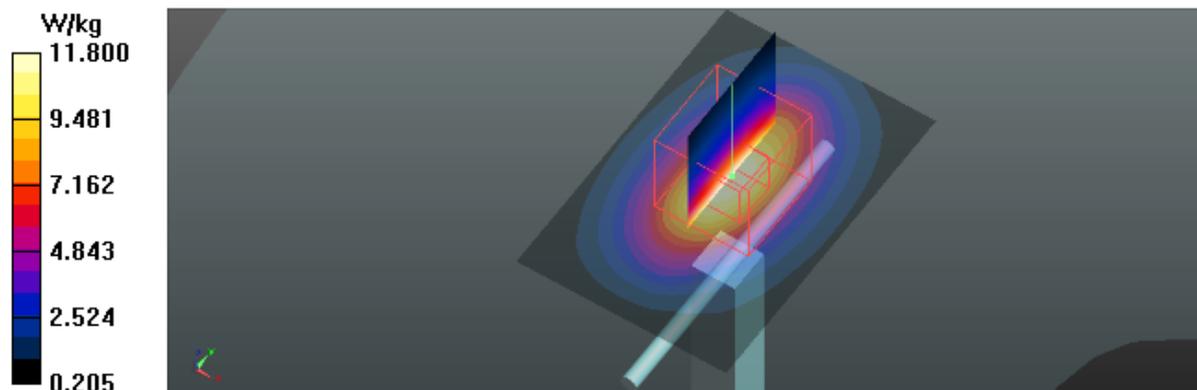
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.10 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.44 W/kg**

Maximum value of SAR (measured) = 11.4 W/kg



Test Laboratory: BTL Inc.

Date: 2017/3/4

#### System Check\_B2450\_0304

**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;  $\sigma = 2.018$  S/m;  $\epsilon_r = 51.32$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(7.71, 7.71, 7.71); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- 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=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 16.5 W/kg

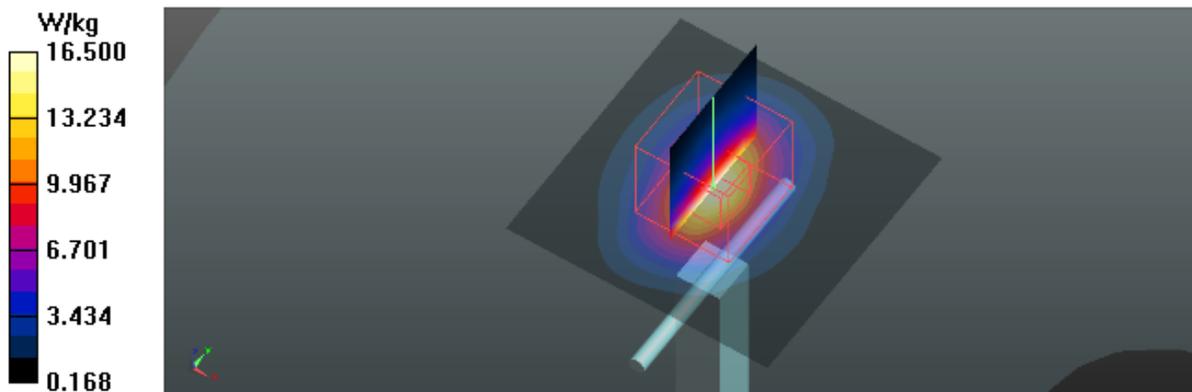
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.21 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 24.5 W/kg

**SAR(1 g) = 12.5 W/kg; SAR(10 g) = 6.01 W/kg**

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



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Date: 2017/3/2

### System Check\_B2600\_0302

**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;  $\sigma = 2.223$  S/m;  $\epsilon_r = 52.69$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(7.48, 7.48, 7.48); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- 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

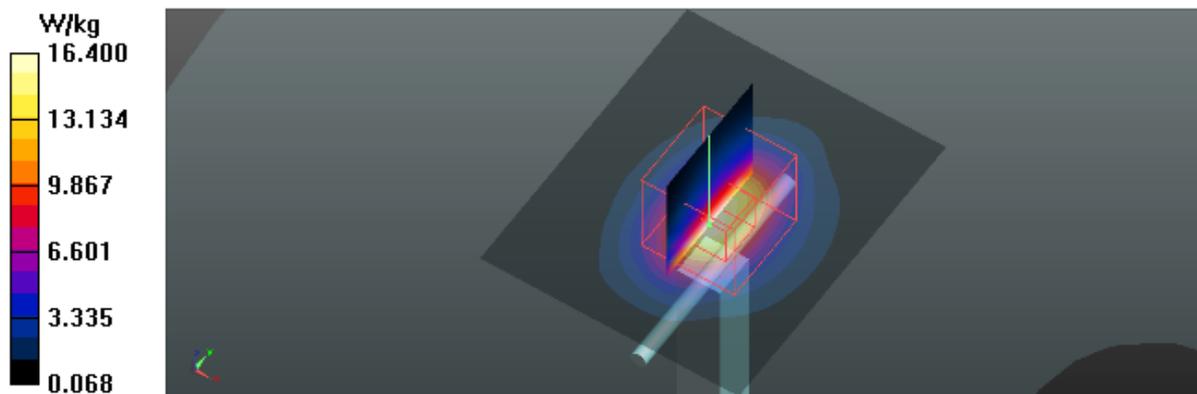
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 91.40 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 26.0 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.81 W/kg**

Maximum value of SAR (measured) = 14.5 W/kg



Test Laboratory: BTL Inc.

Date: 2017/3/6

### System Check\_H835\_0306

**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;  $\sigma = 0.936$  S/m;  $\epsilon_r = 41.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(9.45, 9.45, 9.45); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- 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) = 3.15 W/kg

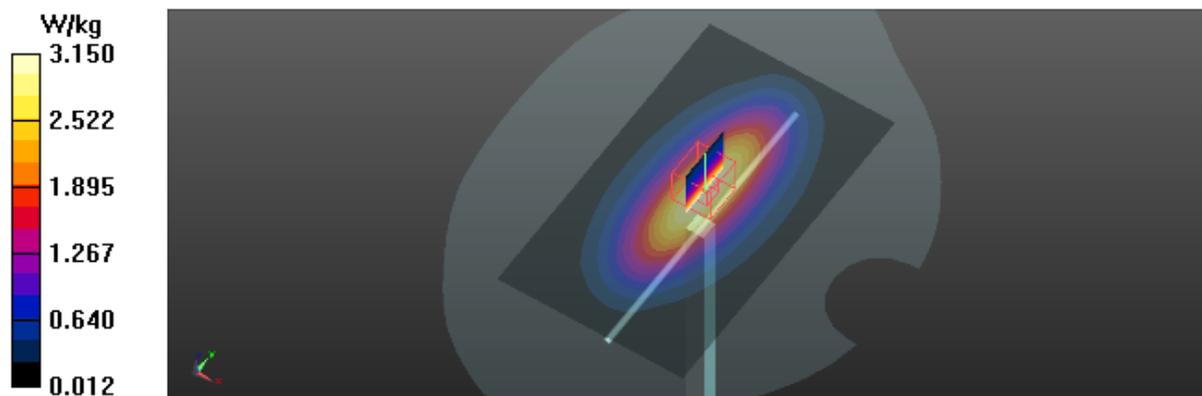
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.81 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.62 W/kg

**SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 3.13 W/kg



Test Laboratory: BTL Inc.

Date: 2017/3/6

### System Check\_H1750\_0306

**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;  $\sigma = 1.379$  S/m;  $\epsilon_r = 41.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x8x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 13.8 W/kg

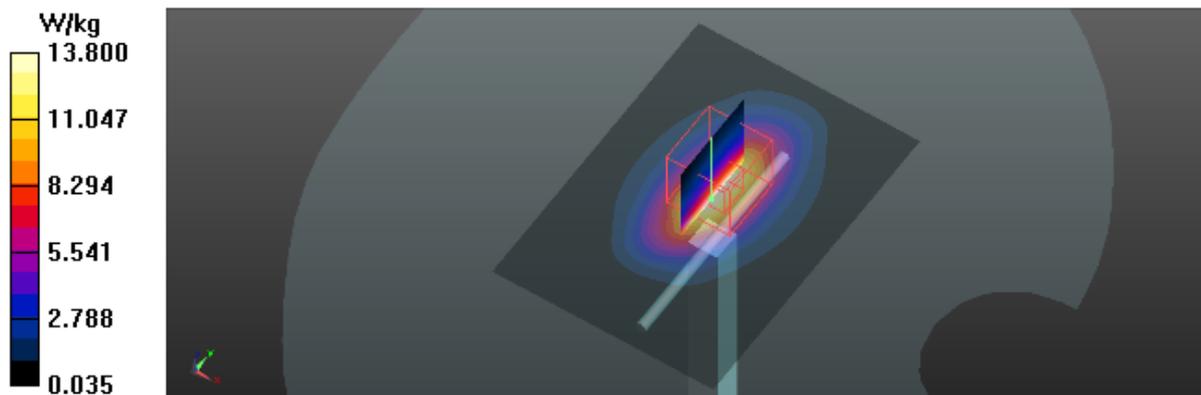
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.68 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 8.73 W/kg; SAR(10 g) = 4.72 W/kg**

Maximum value of SAR (measured) = 13.1 W/kg



Test Laboratory: BTL Inc.

Date: 2017/3/5

### System Check\_H1900\_0305

**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;  $\sigma = 1.398$  S/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(8.21, 8.21, 8.21); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- 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) = 15.4 W/kg

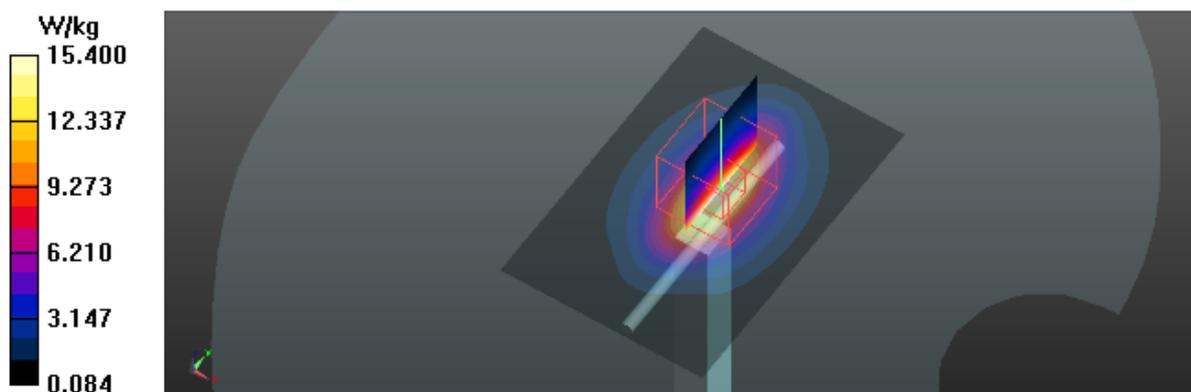
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.63 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 16.8 W/kg

**SAR(1 g) = 9.69 W/kg; SAR(10 g) = 5.23 W/kg**

Maximum value of SAR (measured) = 14.5 W/kg



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Date: 2017/3/6

### System Check\_H2450\_0306

**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;  $\sigma = 1.874$  S/m;  $\epsilon_r = 38.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(7.44, 7.44, 7.44); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- 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) = 20.4 W/kg

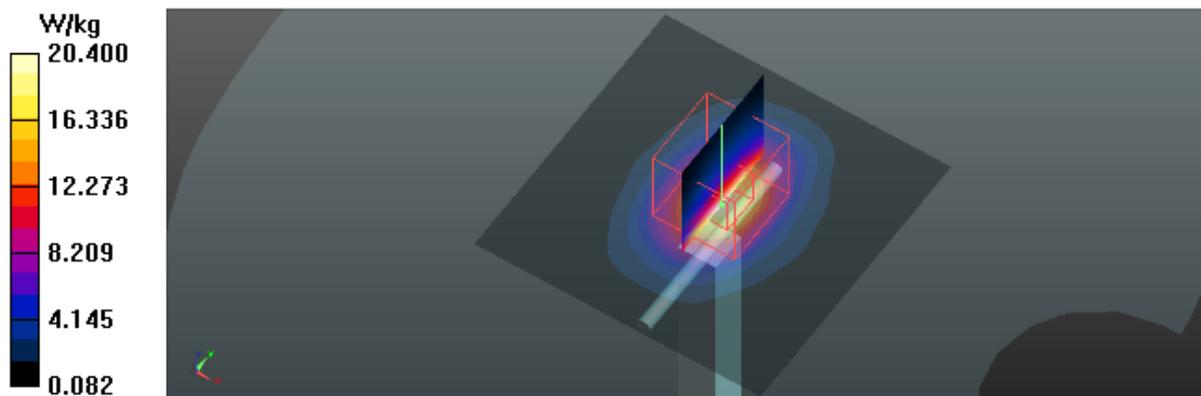
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 102.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 25.1 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 6.06 W/kg**

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



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Date: 2017/3/5

### System Check\_H2600\_0305

**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;  $\sigma = 2.039$  S/m;  $\epsilon_r = 38.64$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7340; ConvF(7.31, 7.31, 7.31); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- 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 = 96.65 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 28.7 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.36 W/kg**

Maximum value of SAR (measured) = 23.4 W/kg

