

Test Laboratory: BTL Inc.

Date: 2017/12/21

### System Check\_B2450\_1221

**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;  $\sigma = 1.99$  S/m;  $\epsilon_r = 51.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.4 °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: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x9x1):** Interpolated grid:  $dx=12$  mm,  $dy=12$  mm

Maximum value of SAR (interpolated) = 14.8 W/kg

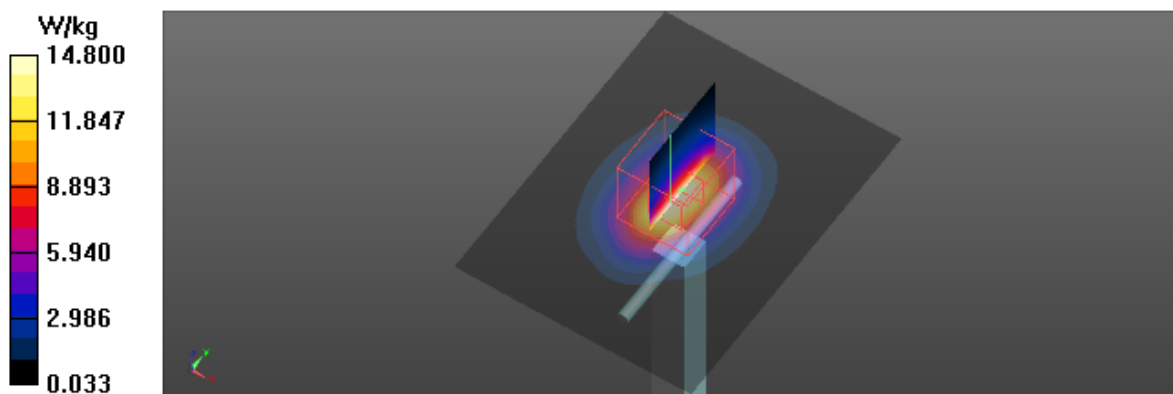
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 98.94 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.3 W/kg

**SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.96 W/kg**

Maximum value of SAR (measured) = 14.0 W/kg



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## System Check\_B5200\_1218

**DUT: Dipole D5GHzV2;SN;1160;**

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.233$  S/m;  $\epsilon_r = 49.383$ ;  $\rho = 996$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x5x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 13.5 W/kg

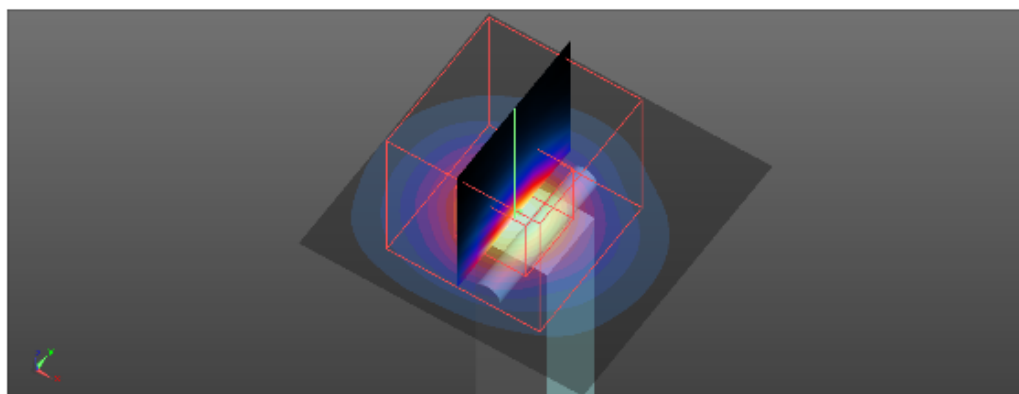
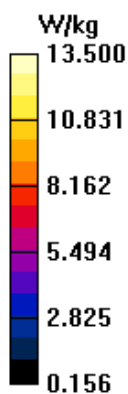
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.05 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.1 W/kg

**SAR(1 g) = 7.58 W/kg; SAR(10 g) = 2.48 W/kg**

Maximum value of SAR (measured) = 14.1 W/kg



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### System Check\_B5300\_1218

**DUT: Dipole D5GHzV2;SN;1160;**

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.373$  S/m;  $\epsilon_r = 49.215$ ;  $\rho = 996$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.93, 4.93, 4.93); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x5x1):** Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 15.1 W/kg

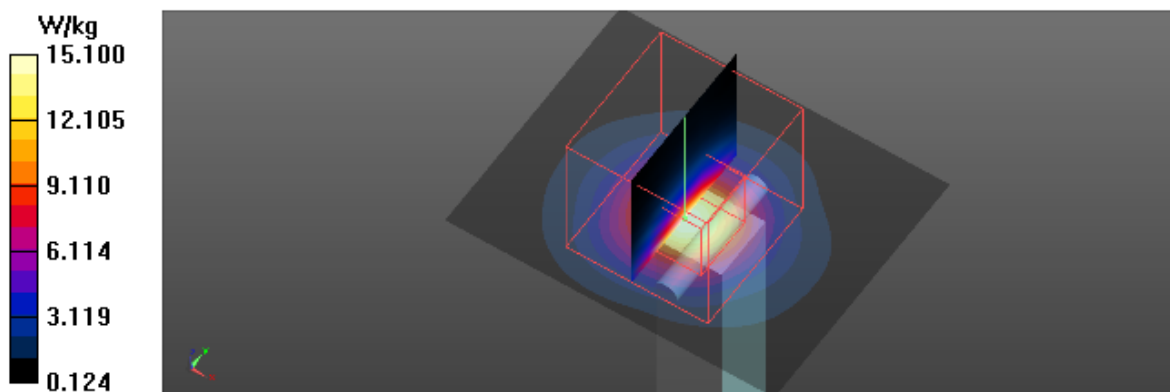
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.82 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 26.2 W/kg

**SAR(1 g) = 7.47 W/kg; SAR(10 g) = 2.34 W/kg**

Maximum value of SAR (measured) = 14.8 W/kg



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## System Check\_B5600\_1219

**DUT: Dipole D5GHzV2;SN;1160;**

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

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.844$  S/m;  $\epsilon_r = 48.635$ ;  $\rho = 996$  kg/m<sup>3</sup>

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.19, 4.19, 4.19); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (6x5x1):** Interpolated grid: dx=10 mm, dy=10 mm

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

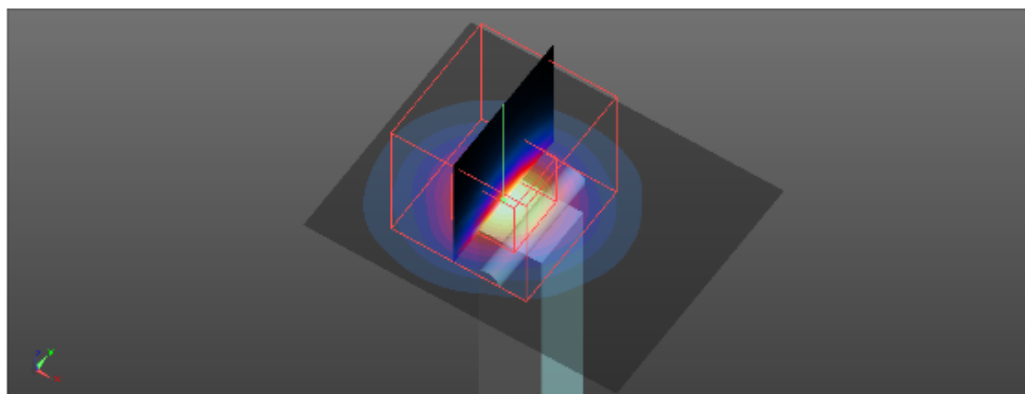
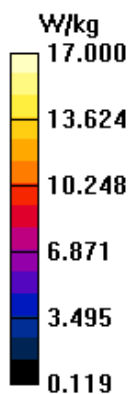
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.93 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 29.8 W/kg

**SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.35 W/kg**

Maximum value of SAR (measured) = 16.6 W/kg



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### System Check\_B5800\_1220

**DUT: Dipole D5GHzV2;SN;1160;**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.104$  S/m;  $\epsilon_r = 48.14$ ;  $\rho = 996$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(4.52, 4.52, 4.52); Calibrated: 2017/5/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2017/9/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (5x5x1):** Interpolated grid: dx=10 mm, dy=10 mm

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

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

Reference Value = 38.42 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 29.5 W/kg

**SAR(1 g) = 7.45 W/kg; SAR(10 g) = 2.19 W/kg**

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

