

Test Laboratory: BTL Inc.

Date: 2021/7/12

## G01\_GSM 850\_GPRS4TX\_CH251\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 0, GPRS 4TX (0);

Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.946$  S/m;  $\epsilon_r = 42.449$ ;  $\rho = 1000$  kg/m<sup>3</sup>

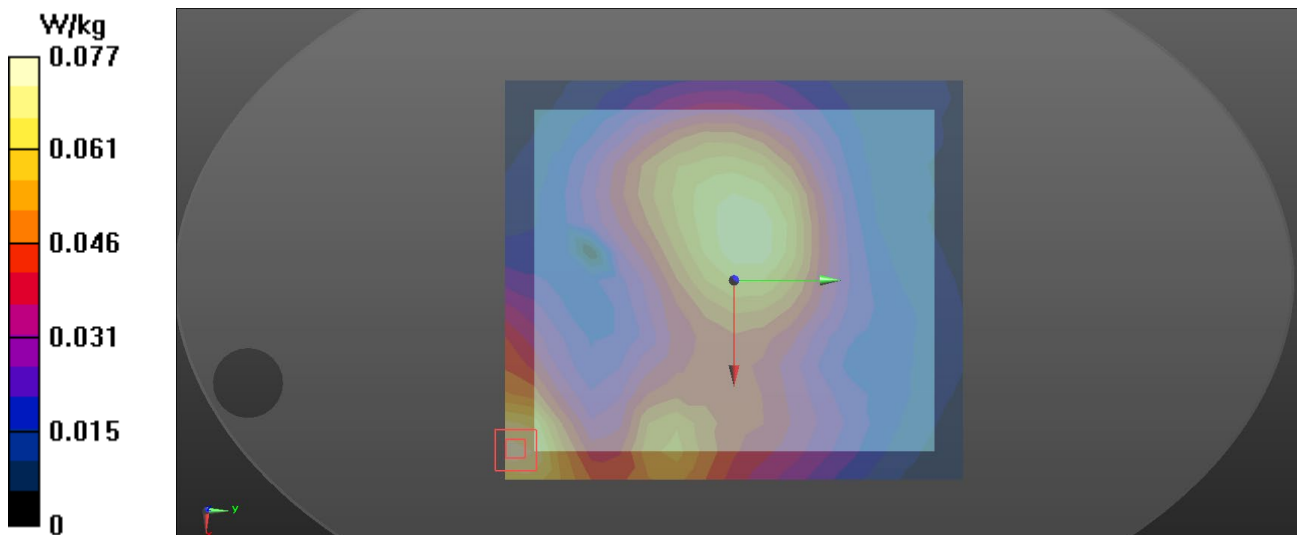
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 848.8 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0755 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 8.200 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.0930 W/kg  
**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.049 W/kg**  
Maximum value of SAR (measured) = 0.0766 W/kg



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## G05\_GSM 850\_GPRS4TX\_CH251\_Bottom Side\_1.5cm\_Ant Spare

**DUT: EUT;**

Communication System: UID 0, GPRS 4TX (0);

Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.946$  S/m;  $\epsilon_r = 42.449$ ;  $\rho = 1000$  kg/m<sup>3</sup>

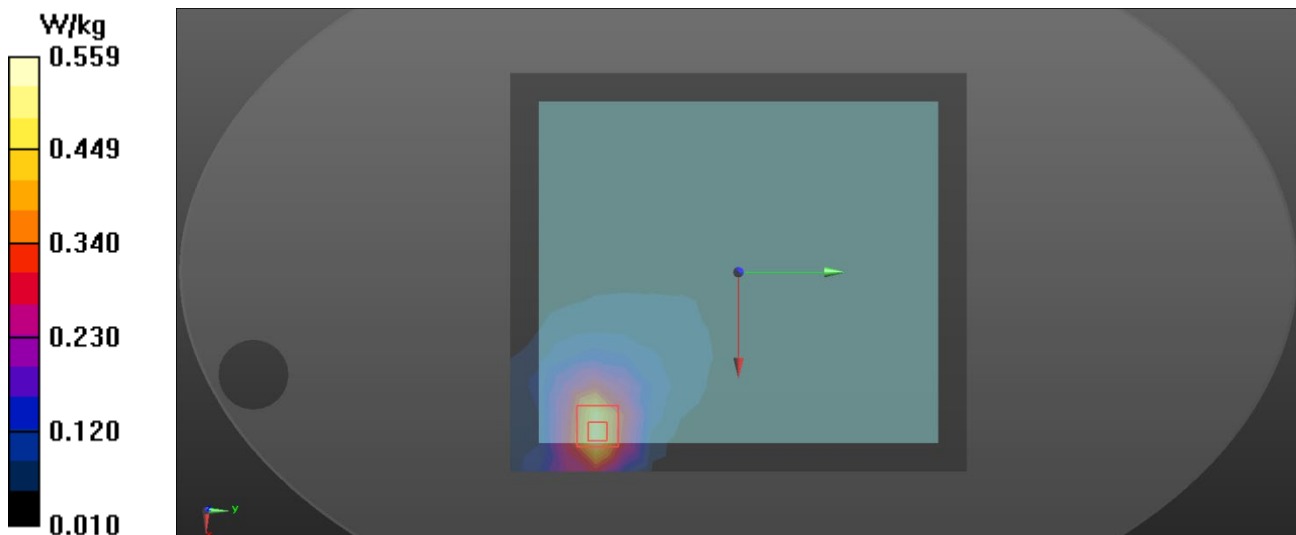
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 848.8 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.525 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 6.758 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.744 W/kg  
**SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.285 W/kg**  
Maximum value of SAR (measured) = 0.559 W/kg



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## G11\_GSM 1900\_GPRS4TX\_CH810\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 0, Generic GSM (0);

Frequency: 1909.8 MHz; Duty Cycle: 1:2

medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.343 \text{ S/m}$ ;  $\epsilon_r = 40.898$ ;  $\rho = 1000 \text{ kg/m}^3$

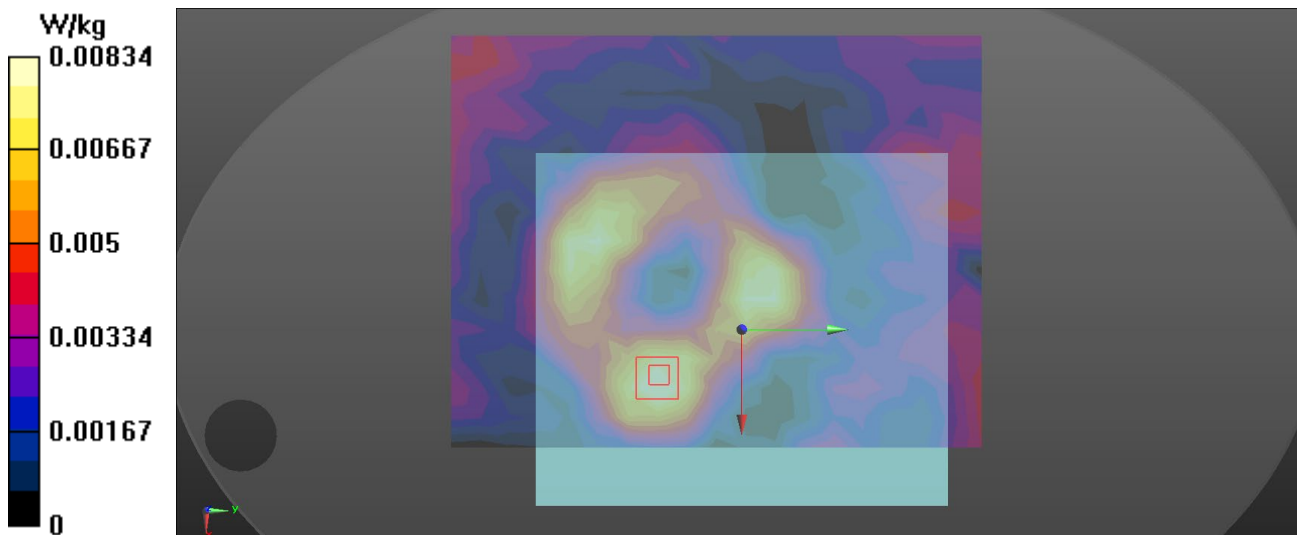
Ambient Temperature:  $23.4 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.6 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.99, 4.99, 4.99) @ 1909.8 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x19x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) =  $0.00902 \text{ W/kg}$

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $2.212 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$   
Peak SAR (extrapolated) =  $0.0120 \text{ W/kg}$   
**SAR(1 g) =  $0.007\text{W/kg}$ ; SAR(10 g) =  $0.004\text{W/kg}$**   
Maximum value of SAR (measured) =  $0.00834 \text{ W/kg}$



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## G14\_GSM 1900\_GPRS4TX\_CH661\_Bottom Side\_1.5cm\_Ant Spare

**DUT: EUT;**

Communication System: UID 0, Generic GSM (0);

Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used (extrapolated):  $f = 1880$  MHz;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.996$ ;  $\rho = 1000$  kg/m<sup>3</sup>

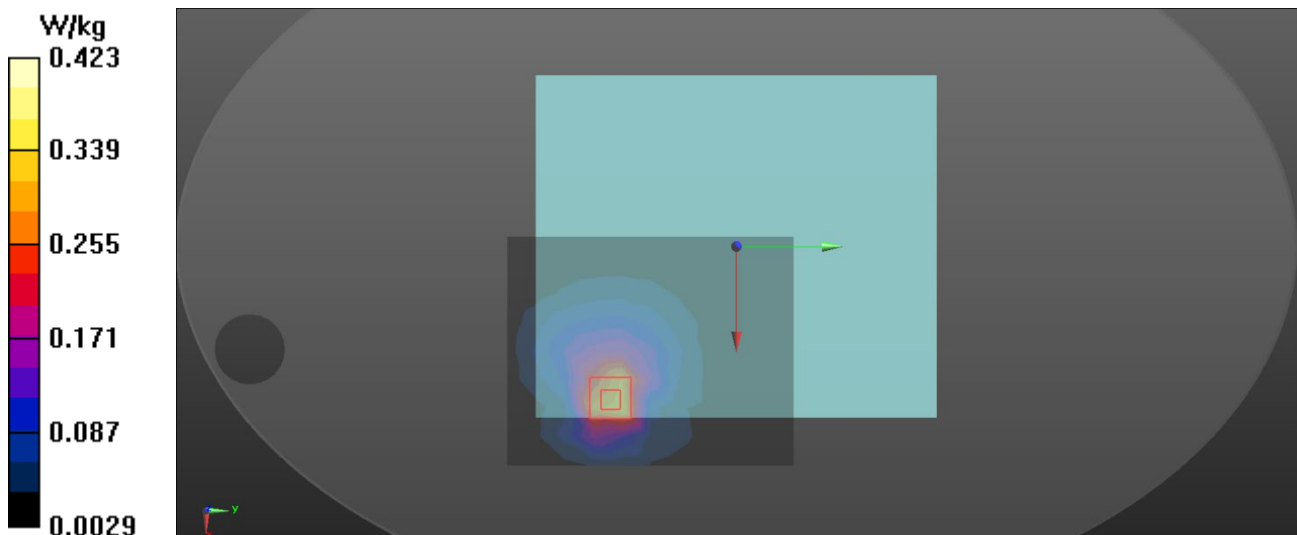
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.99, 4.99, 4.99) @ 1880 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (9x11x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.338 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 3.220 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.603 W/kg  
**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.176 W/kg**  
Maximum value of SAR (measured) = 0.423 W/kg



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## U2\_UMTS B2\_RMC12.2K\_CH9400\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0);

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated):  $f = 1880$  MHz;  $\sigma = 1.319$  S/m;  $\epsilon_r = 40.996$ ;  $\rho = 1000$  kg/m<sup>3</sup>

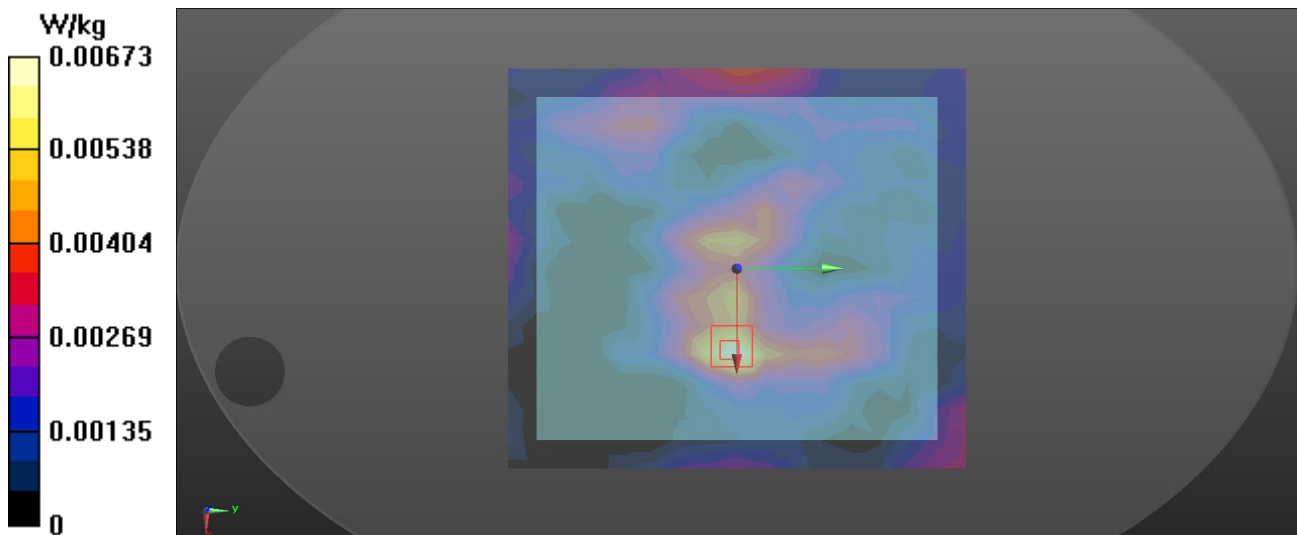
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.00737 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 1.739 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.0100 W/kg  
**SAR(1 g) = 0.006 W/kg; SAR(10 g) = 0.003 W/kg**  
Maximum value of SAR (measured) = 0.00673 W/kg



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**U5\_UMTS B2\_RMC12.2K\_CH9538\_Bottom Side\_1.5cm\_Ant Spare**

**DUT: EUT;**

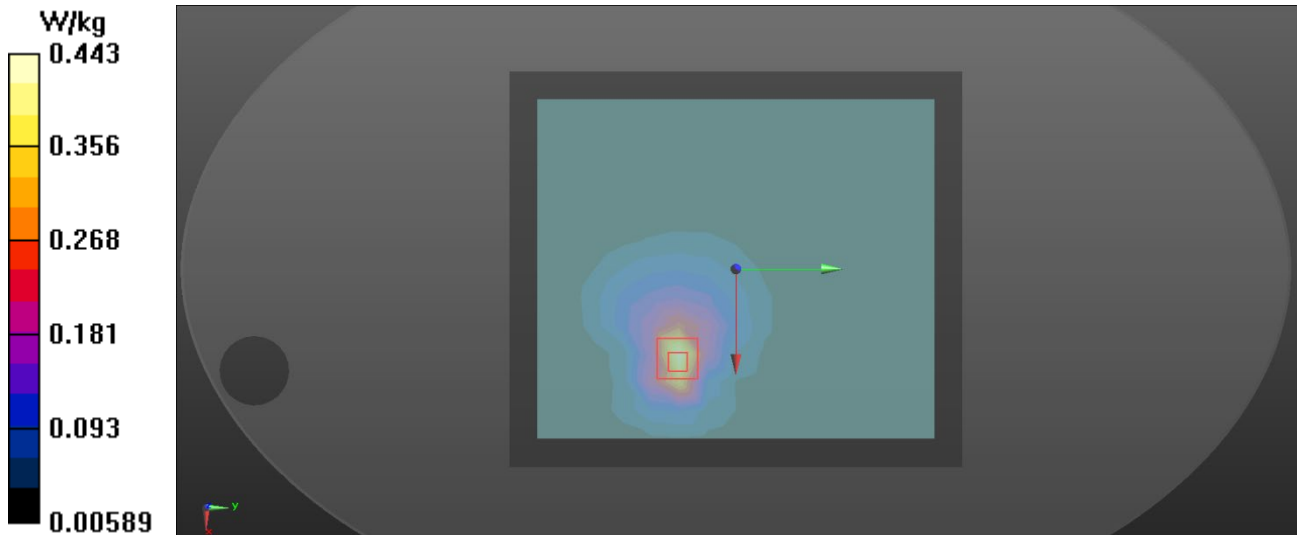
Communication System: UID 0, UMTS-FDD(WCDMA) (0);  
Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.34$  S/m;  $\epsilon_r = 40.903$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1907.6 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.434 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.765 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.645 W/kg  
**SAR(1 g) = 0.36 W/kg; SAR(10 g) = 0.19 W/kg**  
Maximum value of SAR (measured) = 0.443 W/kg



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**U10\_UMTS B4\_RMC12.2K\_CH1413\_Bottom Side\_1.5cm\_Ant Main**

**DUT: EUT;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0);

Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 39.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

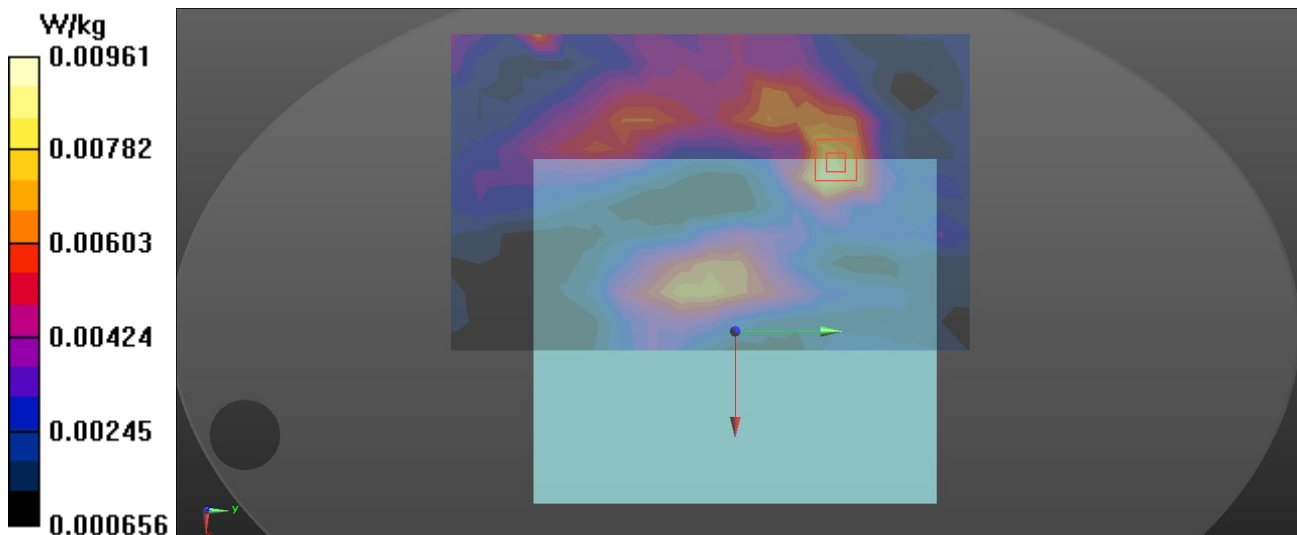
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.56, 8.56, 8.56) @ 1732.6 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (12x19x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.00899 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0.9000 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.0140 W/kg  
**SAR(1 g) = 0.008 W/kg; SAR(10 g) = 0.005 W/kg**  
Maximum value of SAR (measured) = 0.00961 W/kg



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**U14\_UMTS B4\_RMC12.2K\_CH1413\_Bottom Side\_1.5cm\_Ant Spare**

**DUT: EUT;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0);

Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 39.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

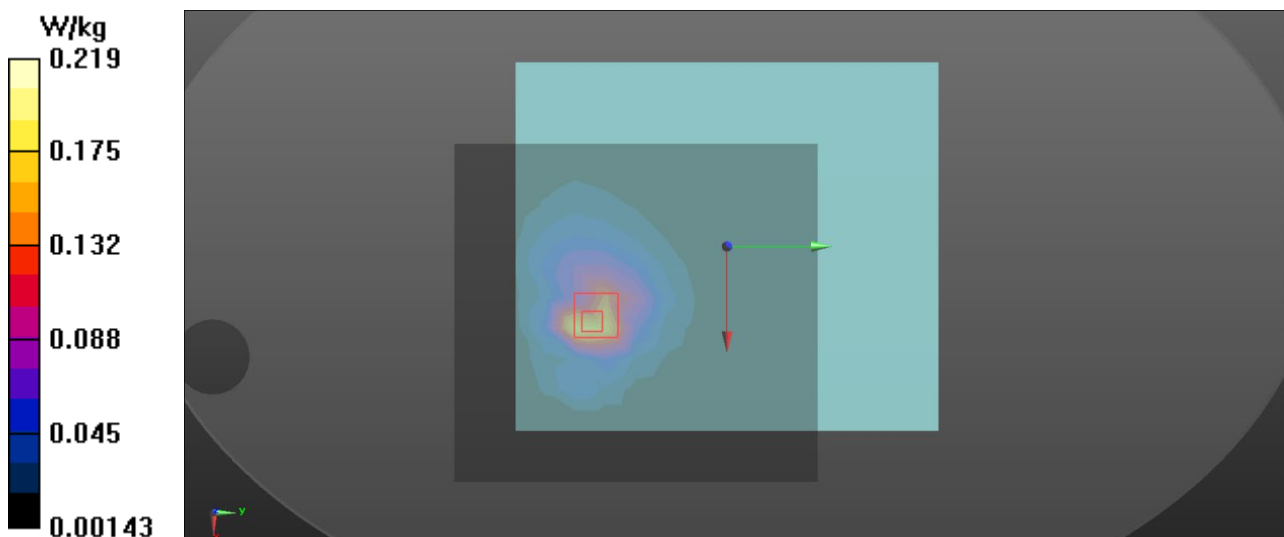
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.56, 8.56, 8.56) @ 1732.6 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (12x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.188 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 1.319 V/m; Power Drift = 2.88 dB  
Peak SAR (extrapolated) = 0.330 W/kg  
**SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.087 W/kg**  
Maximum value of SAR (measured) = 0.219 W/kg





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**U18\_UMTS B5\_RMC12.2K\_CH4132\_Bottom Side\_1.5cm\_Ant Main****DUT: EUT;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0);

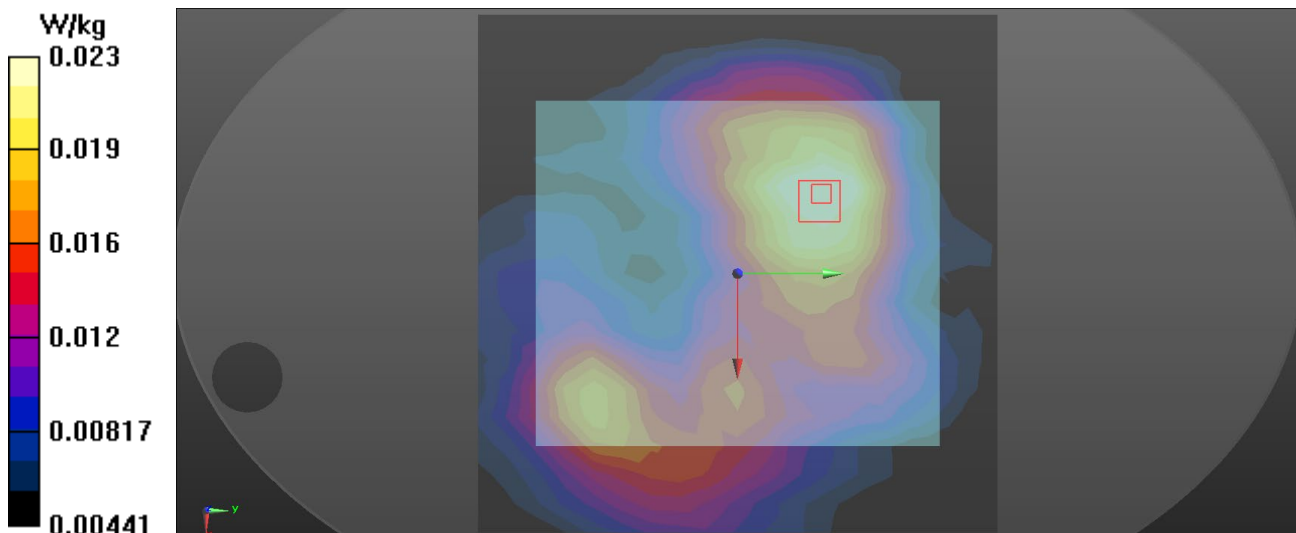
Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.933$  S/m;  $\epsilon_r = 42.614$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 826.4 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x19x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.0253 W/kg**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 3.666 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.0270 W/kg  
**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.016 W/kg**  
Maximum value of SAR (measured) = 0.0232 W/kg

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**U23\_UMTS B5\_RMC12.2K\_CH4233\_Bottom Side\_1.5cm\_Ant Spare****DUT: EUT;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0);

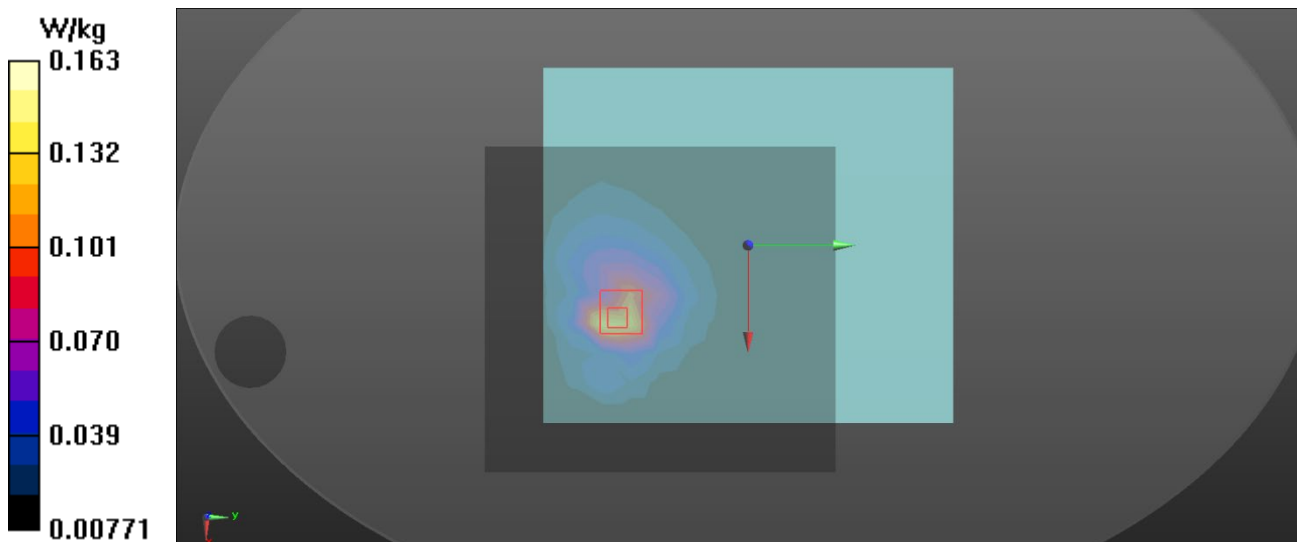
Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.944$  S/m;  $\epsilon_r = 42.461$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 846.6 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
Maximum value of SAR (measured) = 0.149 W/kg**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 4.394 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.220 W/kg  
**SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.083 W/kg**  
Maximum value of SAR (measured) = 0.163 W/kg

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### L04\_LTE B2\_QPSK20M\_CH19100\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

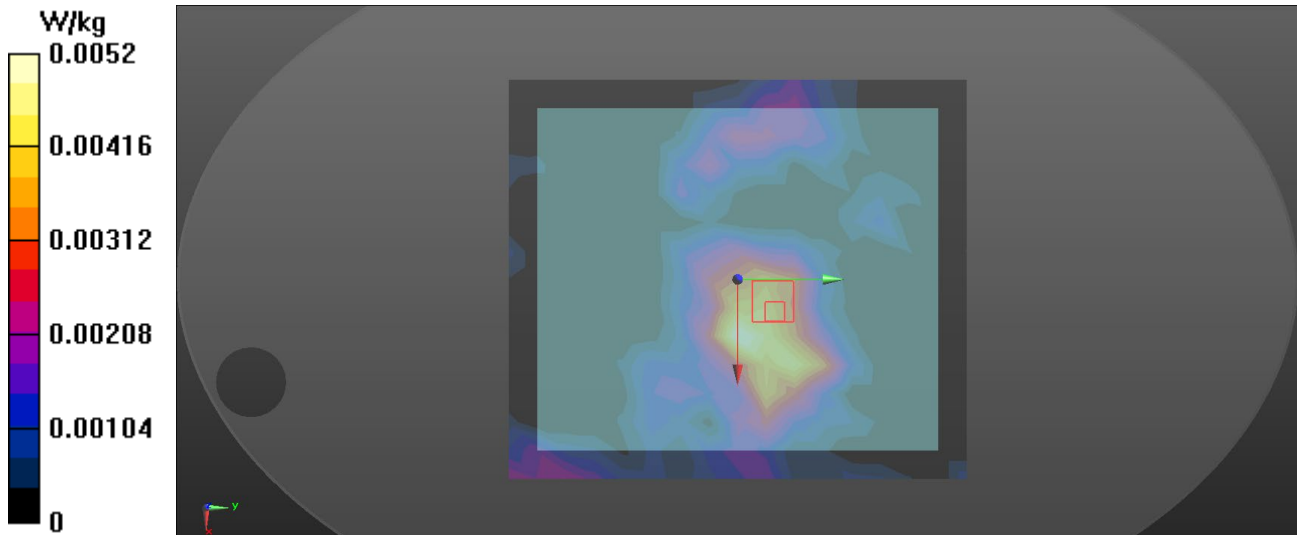
Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.337$  S/m;  $\epsilon_r = 40.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.00540 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 1.625 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.00662 W/kg  
**SAR(1 g) = 0.003 W/kg; SAR(10 g) = 0.001 W/kg**  
Maximum value of SAR (measured) = 0.00520 W/kg



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**L09\_LTE B2\_QPSK20M\_CH19100\_Bottom Side\_1.5cm\_Ant Spare**

**DUT: EUT;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.337$  S/m;  $\epsilon_r = 40.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

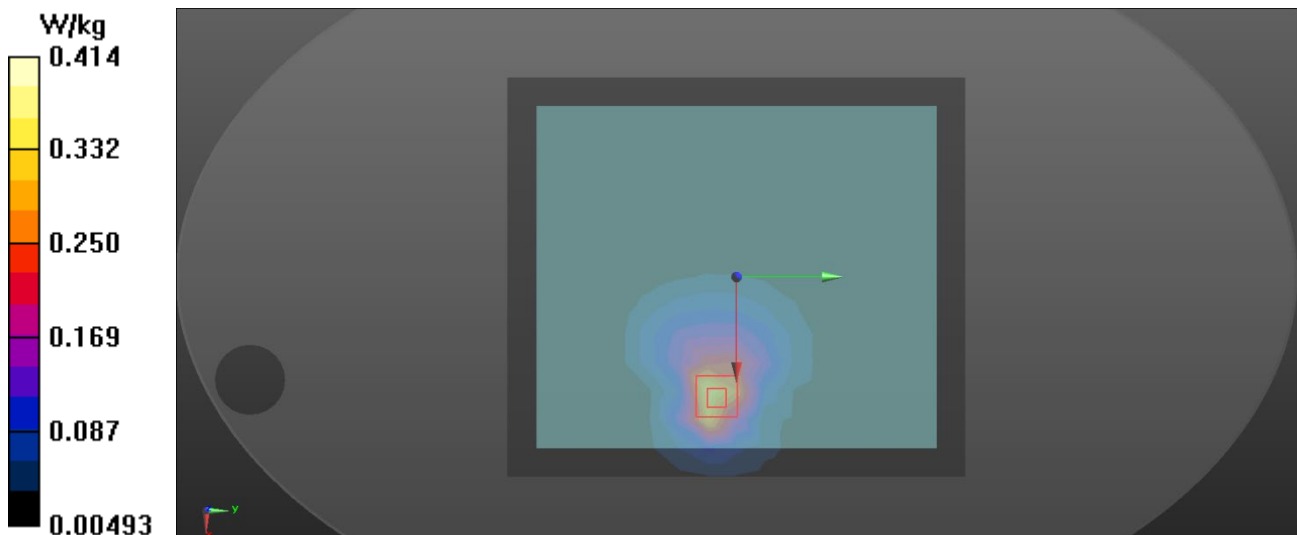
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.365 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 5.377 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.495 W/kg  
**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.149 W/kg**  
Maximum value of SAR (measured) = 0.414 W/kg



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## L13\_LTE B4\_QPSK20M\_CH20175\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  S/m;  $\epsilon_r = 39.602$ ;  $\rho = 1000$  kg/m<sup>3</sup>

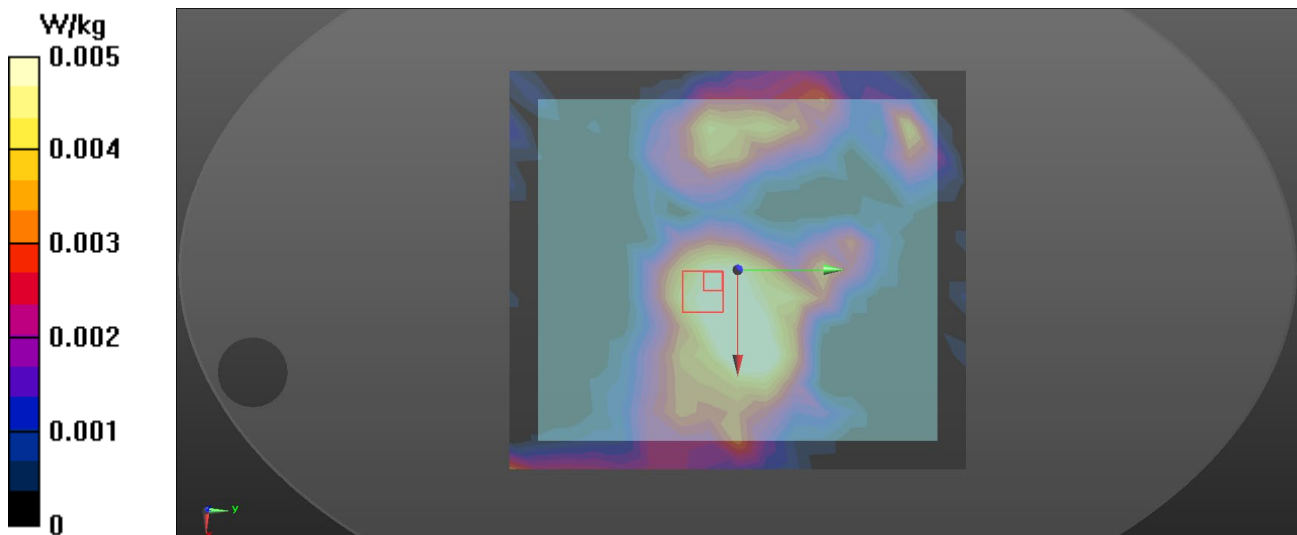
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.56, 8.56, 8.56) @ 1732.5 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.00573 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 1.703 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.00593 W/kg  
**SAR(1 g) = 0.004 W/kg; SAR(10 g) = 0.002 W/kg**  
Maximum value of SAR (measured) = 0.00500 W/kg



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**L16\_LTE B4\_QPSK20M\_CH20300\_Bottom Side\_1.5cm\_Ant Spare**

**DUT: EUT;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.411$  S/m;  $\epsilon_r = 39.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>

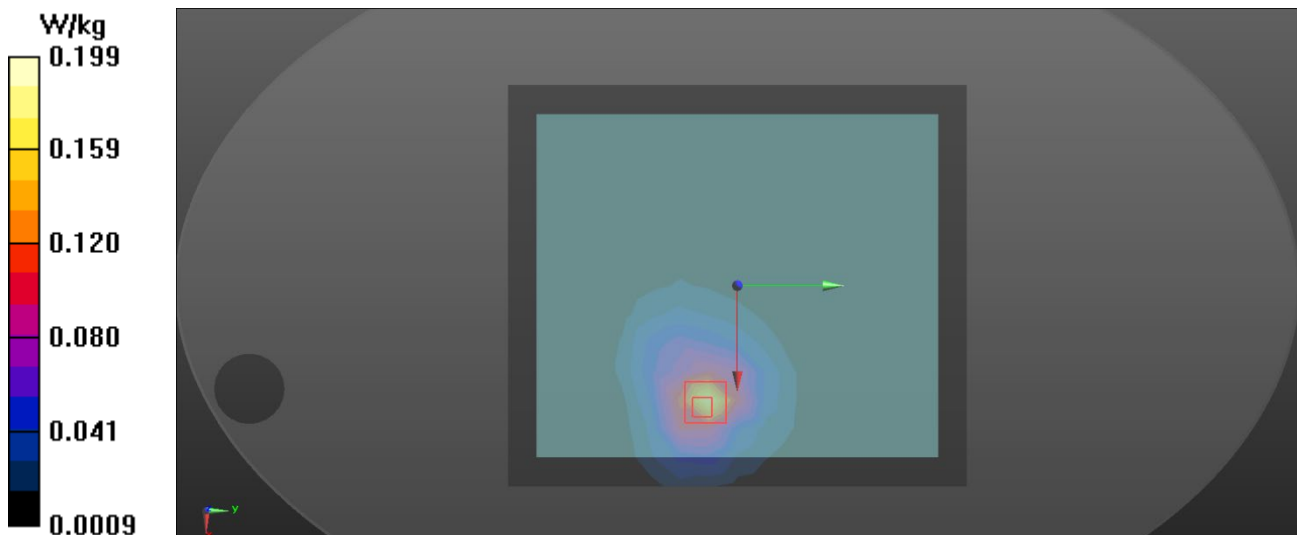
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.56, 8.56, 8.56) @ 1745 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.183 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 3.112 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.256 W/kg  
**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.067 W/kg**  
Maximum value of SAR (measured) = 0.199 W/kg



Test Laboratory: BTL Inc.

Date: 2021/7/12

## L23\_LTE B5\_QPSK10M\_CH20600\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);

Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 844 \text{ MHz}$ ;  $\sigma = 0.943 \text{ S/m}$ ;  $\epsilon_r = 42.477$ ;  $\rho = 1000 \text{ kg/m}^3$

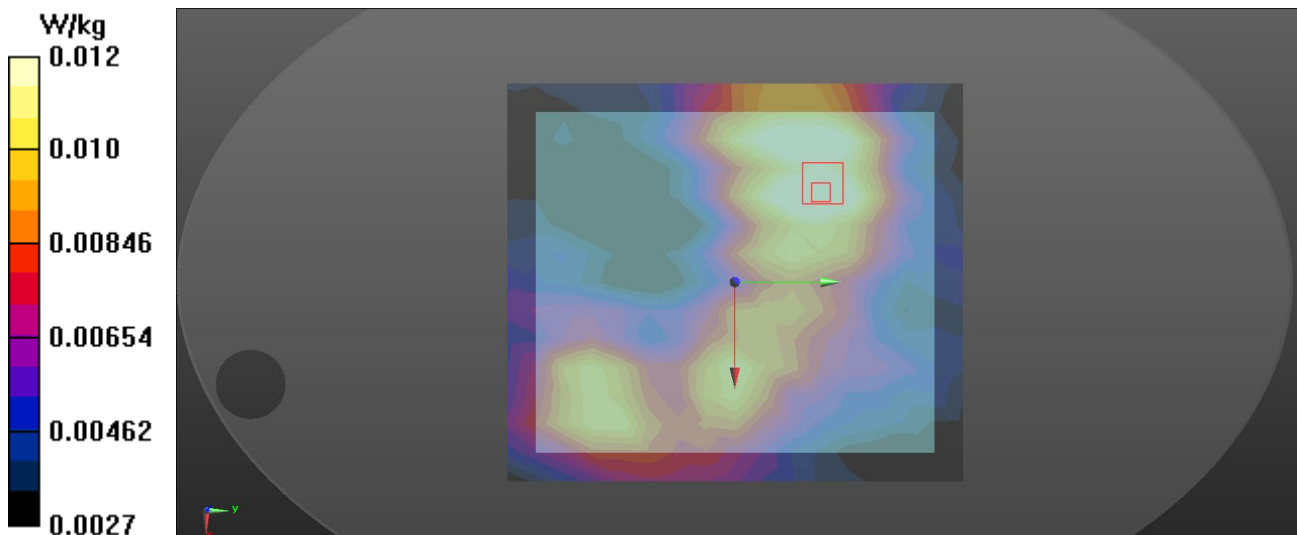
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 844 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 0.0139 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 2.708 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.0150 W/kg  
**SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.008 W/kg**  
Maximum value of SAR (measured) = 0.0123 W/kg



Test Laboratory: BTL Inc.

Date: 2021/7/12

## L28\_LTE B5\_QPSK10M\_CH20600\_Bottom Side\_1.5cm\_Ant Spare

**DUT: EUT;**

Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);

Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 844 \text{ MHz}$ ;  $\sigma = 0.943 \text{ S/m}$ ;  $\epsilon_r = 42.477$ ;  $\rho = 1000 \text{ kg/m}^3$

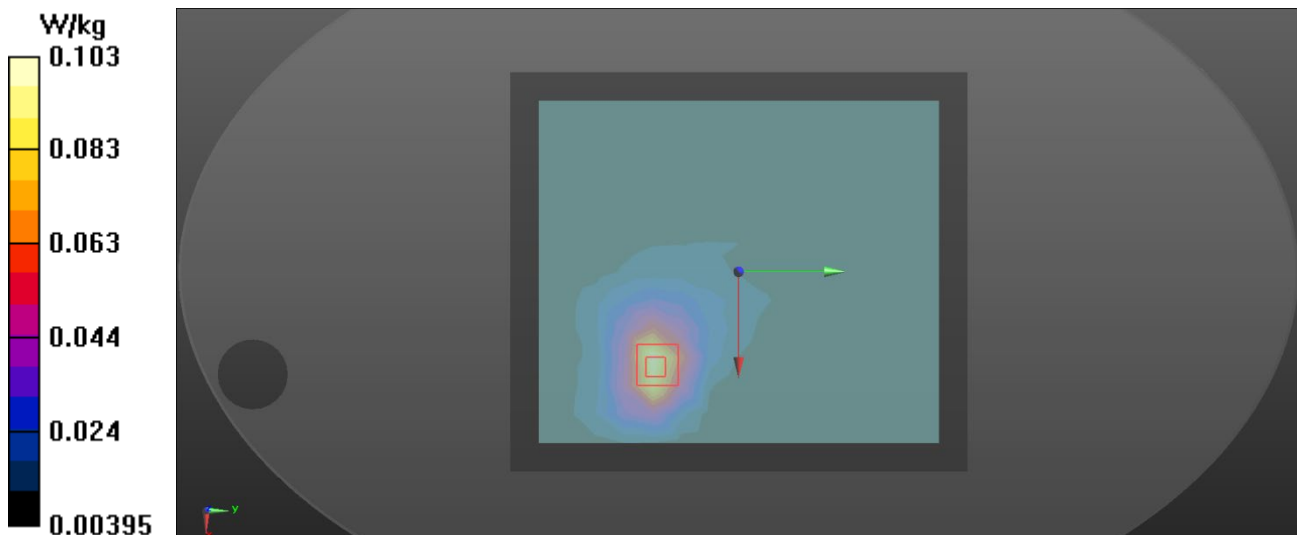
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 844 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (15x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 0.0988 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 3.405 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.139 W/kg  
**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.051 W/kg**  
Maximum value of SAR (measured) = 0.103 W/kg





Test Laboratory: BTL Inc.

Date: 2021/7/9

### L34\_LTE B7\_QPSK20M\_CH21100\_Bottom Side\_1.5cm\_Ant Main

**DUT: EUT;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.909$  S/m;  $\epsilon_r = 39.667$ ;  $\rho = 1000$  kg/m<sup>3</sup>

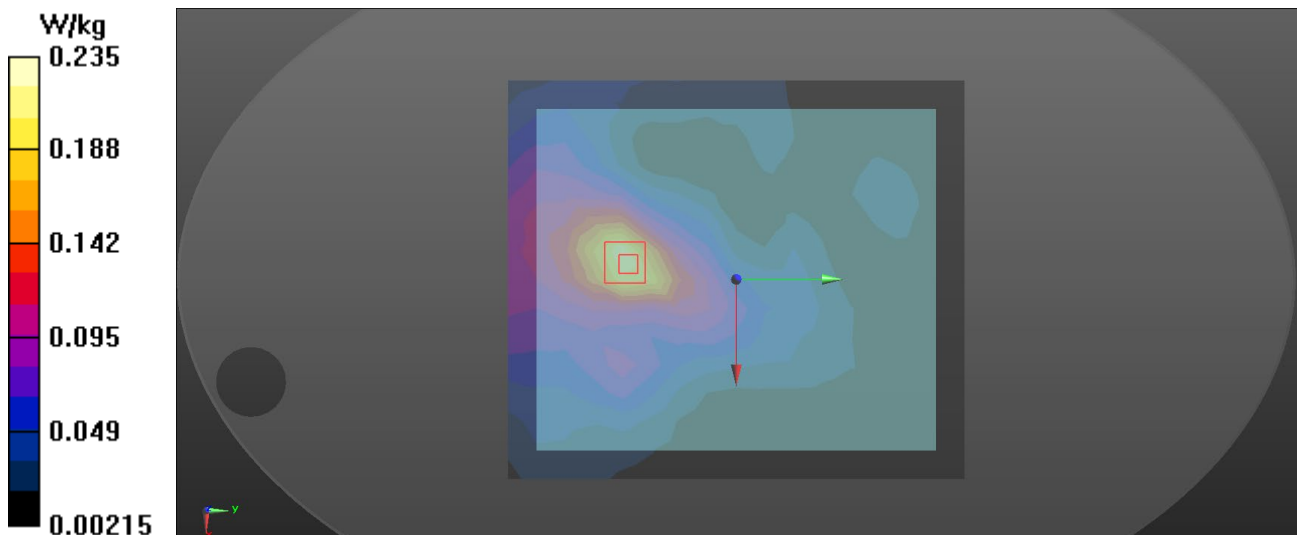
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2535 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.221 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 5.510 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.288 W/kg  
**SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.085 W/kg**  
Maximum value of SAR (measured) = 0.235 W/kg



Test Laboratory: BTL Inc.

Date: 2021/7/9

**L39\_LTE B7\_QPSK20M\_CH21100\_Bottom Side\_1.5cm\_Ant Spare**

**DUT: EUT;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.909$  S/m;  $\epsilon_r = 39.667$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2535 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (19x22x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.243 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 6.659 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.324 W/kg  
**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.097 W/kg**  
Maximum value of SAR (measured) = 0.269 W/kg

