

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/m³

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

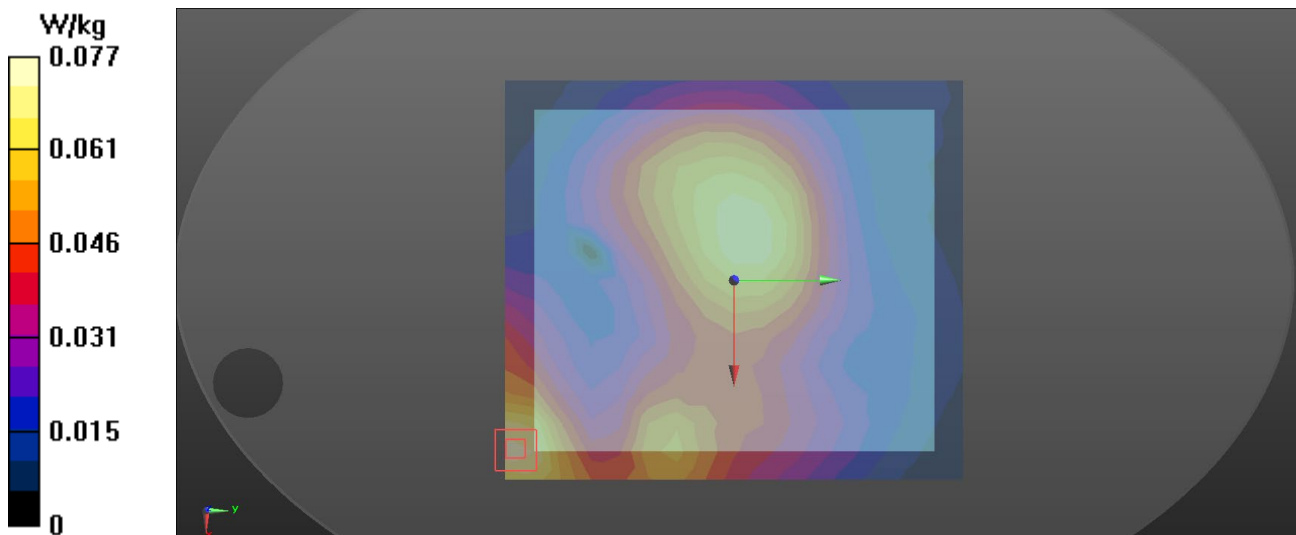
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/12

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/m³

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

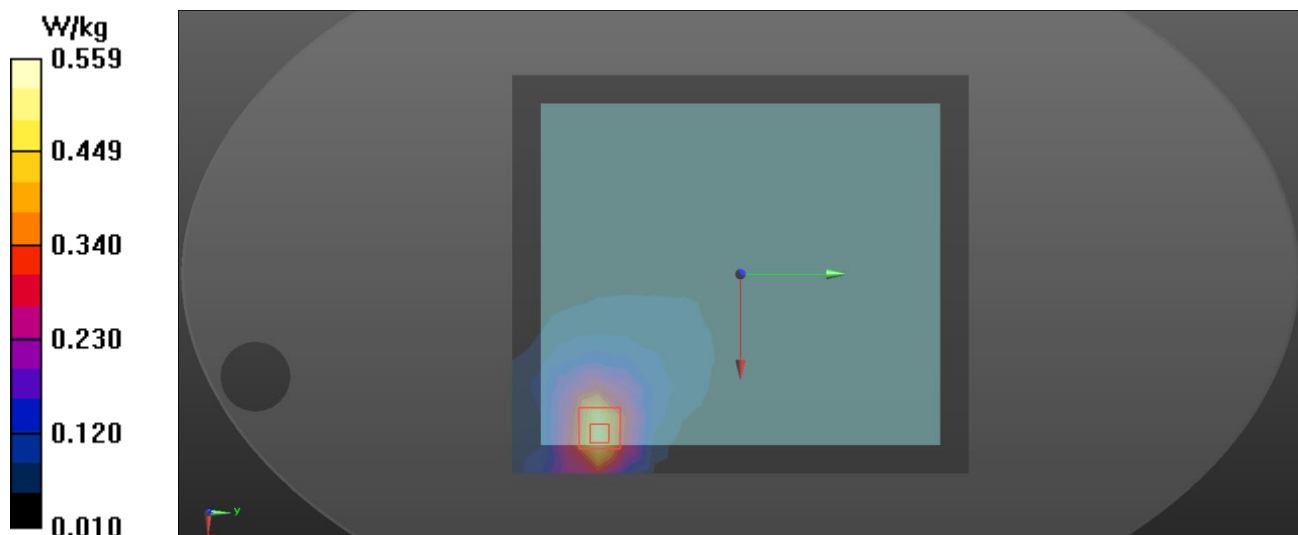
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/11

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: $f = 1910$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 40.898$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.00902 W/kg

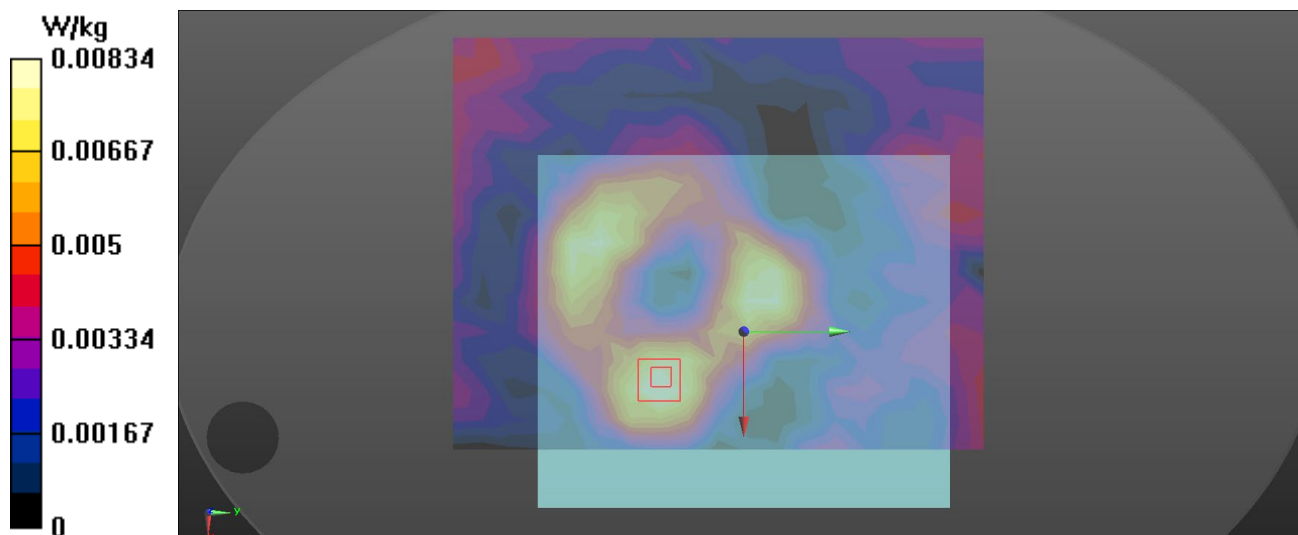
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.212 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0120 W/kg

SAR(1 g) = 0.007W/kg; SAR(10 g) = 0.004W/kg

Maximum value of SAR (measured) = 0.00834 W/kg



Test Laboratory: BTL Inc.

Date: 2021/7/11

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): $f = 1880 \text{ MHz}$; $\sigma = 1.319 \text{ S/m}$; $\epsilon_r = 40.996$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

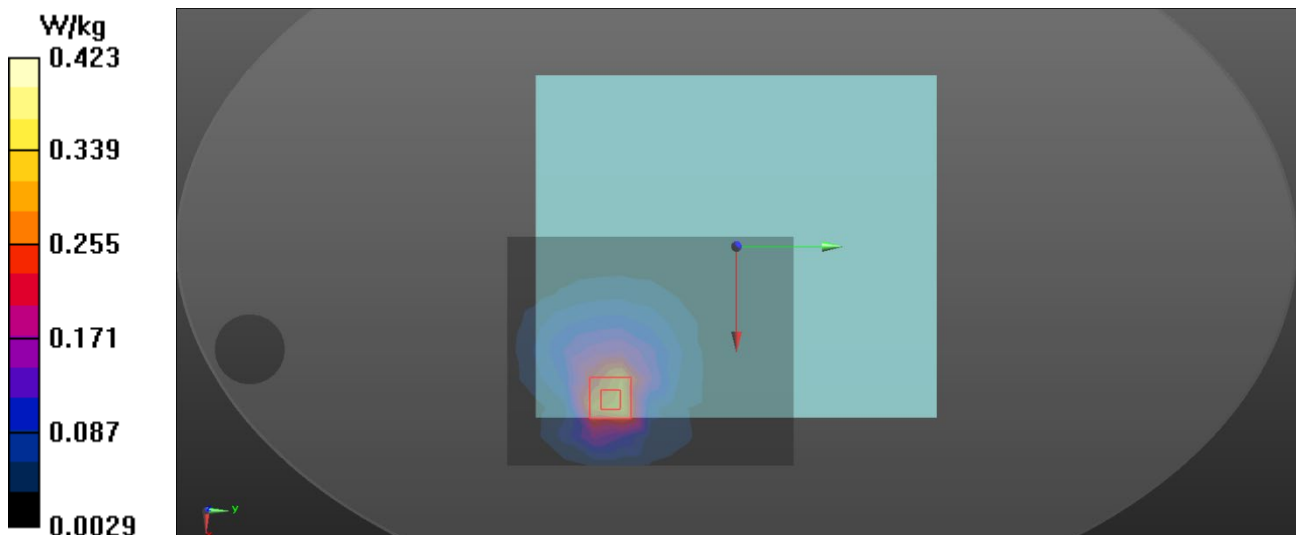
- Probe: ES3DV3 - SN3162; ConvF(4.99, 4.99, 4.99) @ 1880 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.338 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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


Test Laboratory: BTL Inc.

Date: 2021/7/11

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): $f = 1880 \text{ MHz}$; $\sigma = 1.319 \text{ S/m}$; $\epsilon_r = 40.996$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.3 \text{ }^\circ\text{C}$; Liquid Temperature: $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

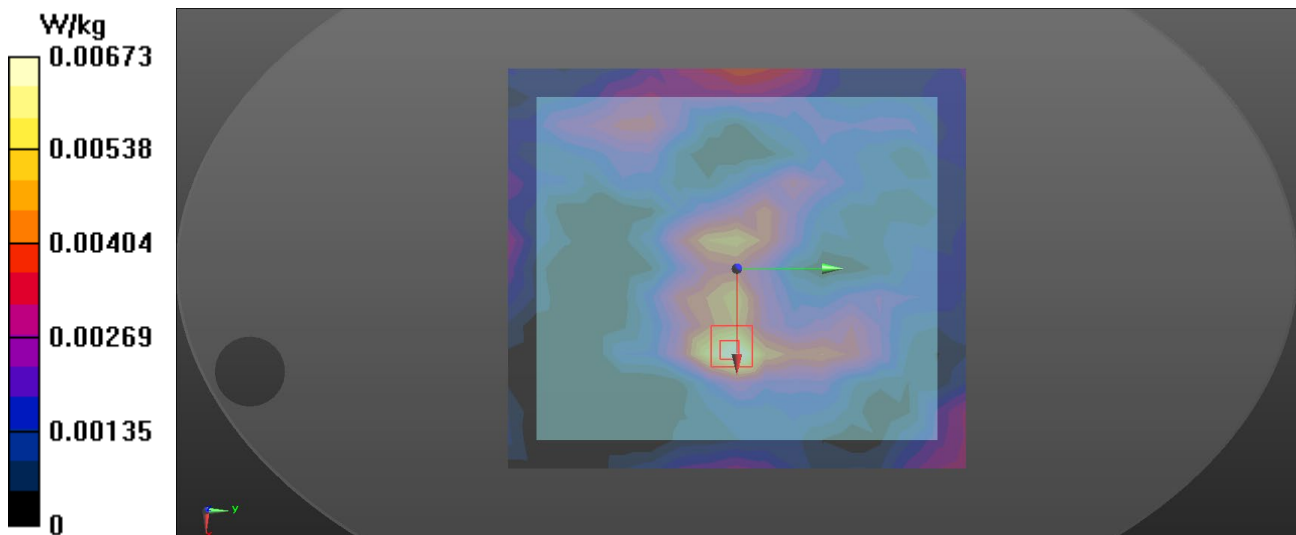
- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (15x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.00737 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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


Test Laboratory: BTL Inc.

Date: 2021/7/11

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/m³

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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.434 W/kg

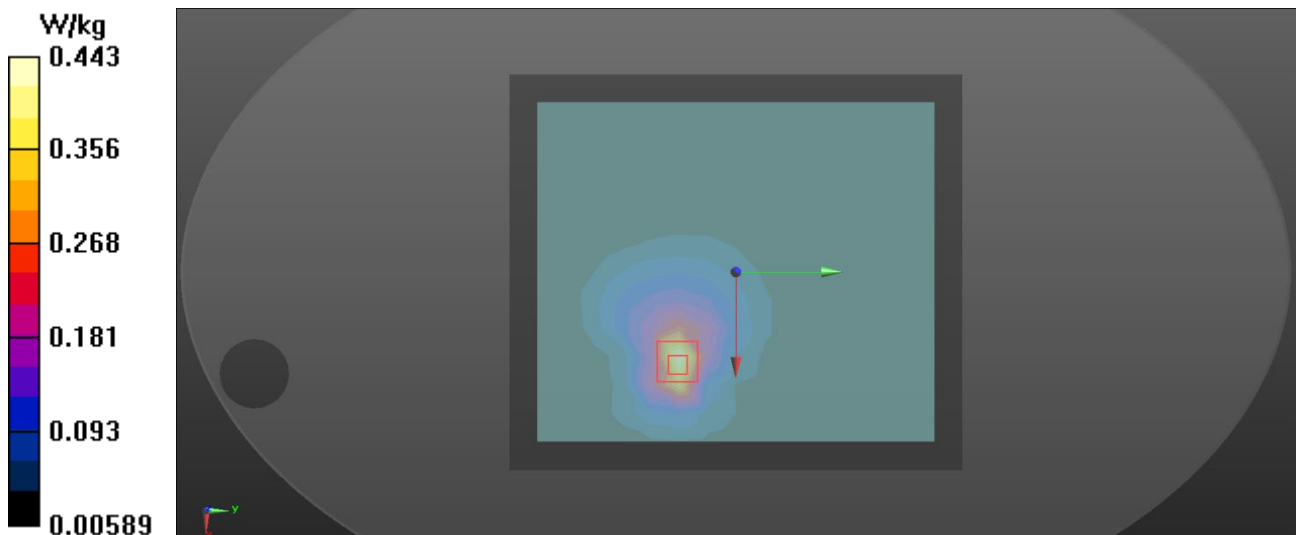
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/10

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/m³

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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.00899 W/kg

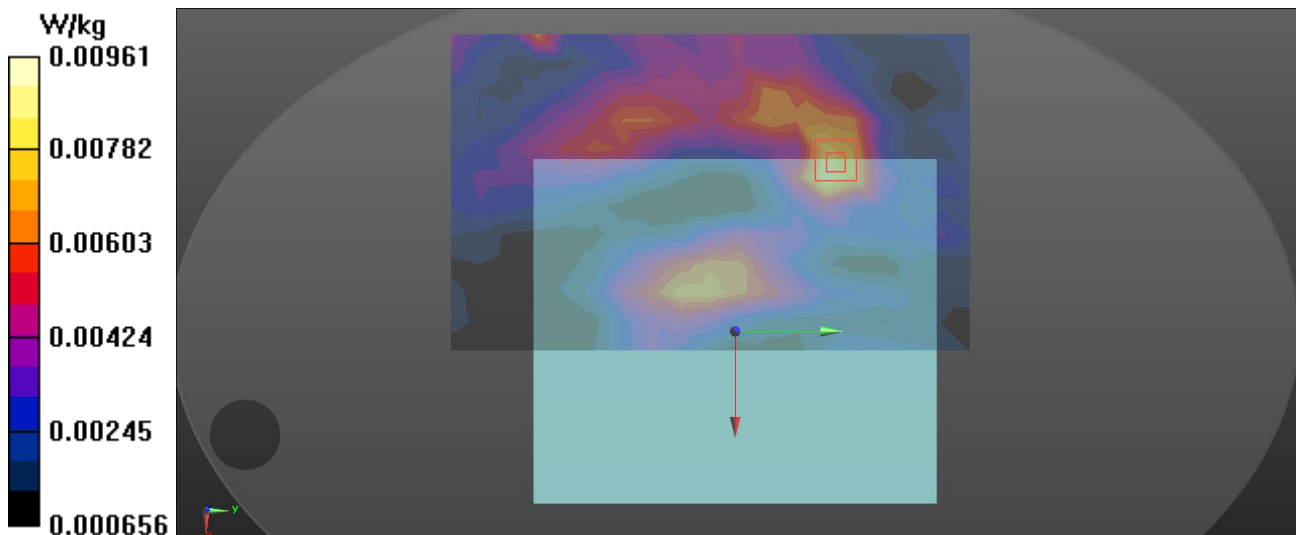
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/10

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/m³

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

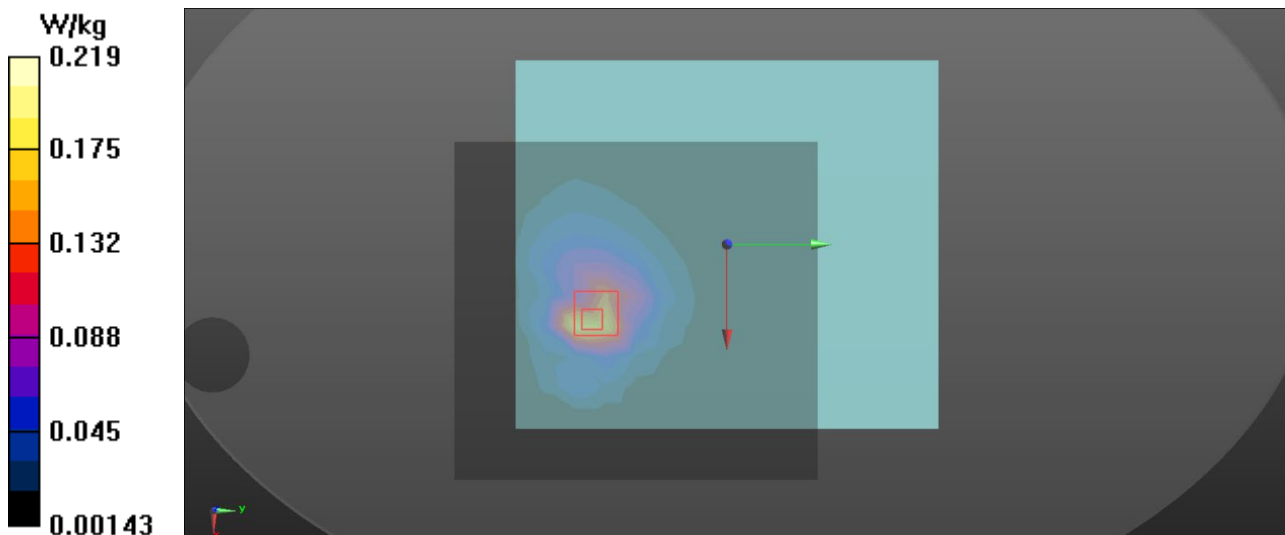
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/12

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/m³

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

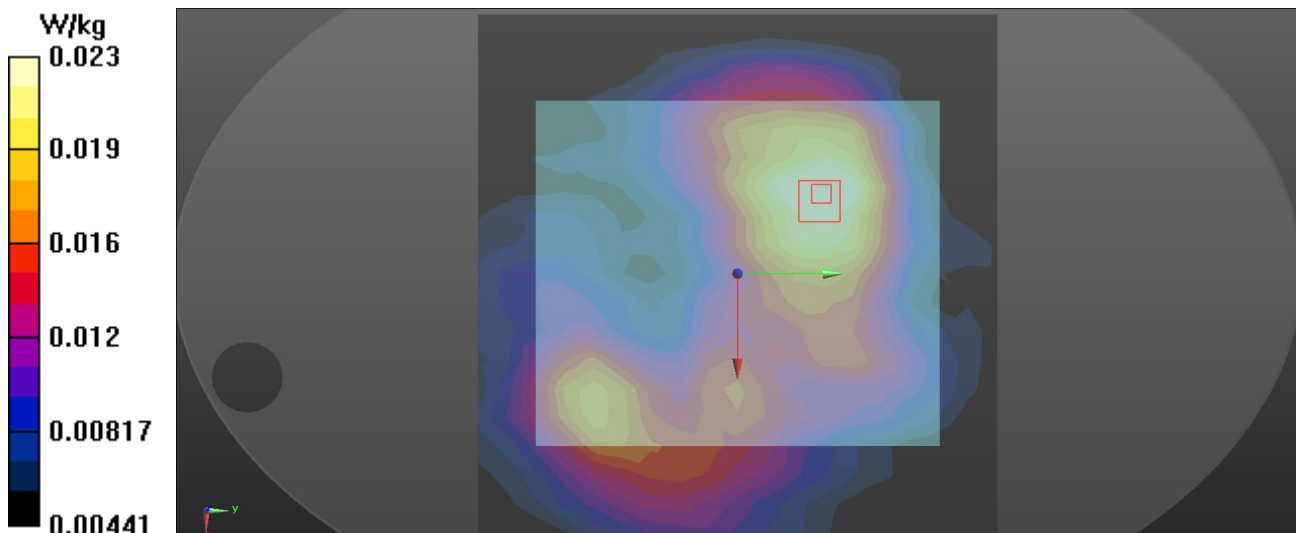
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/12

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/m³

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

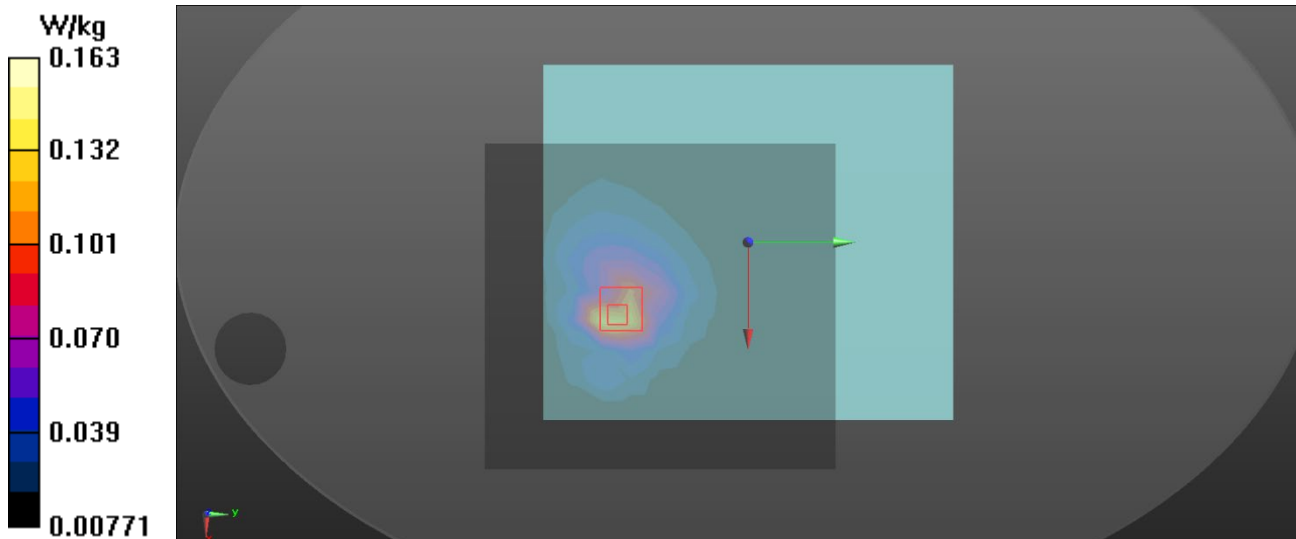
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/11

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: $f = 1900 \text{ MHz}$; $\sigma = 1.337 \text{ S/m}$; $\epsilon_r = 40.926$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

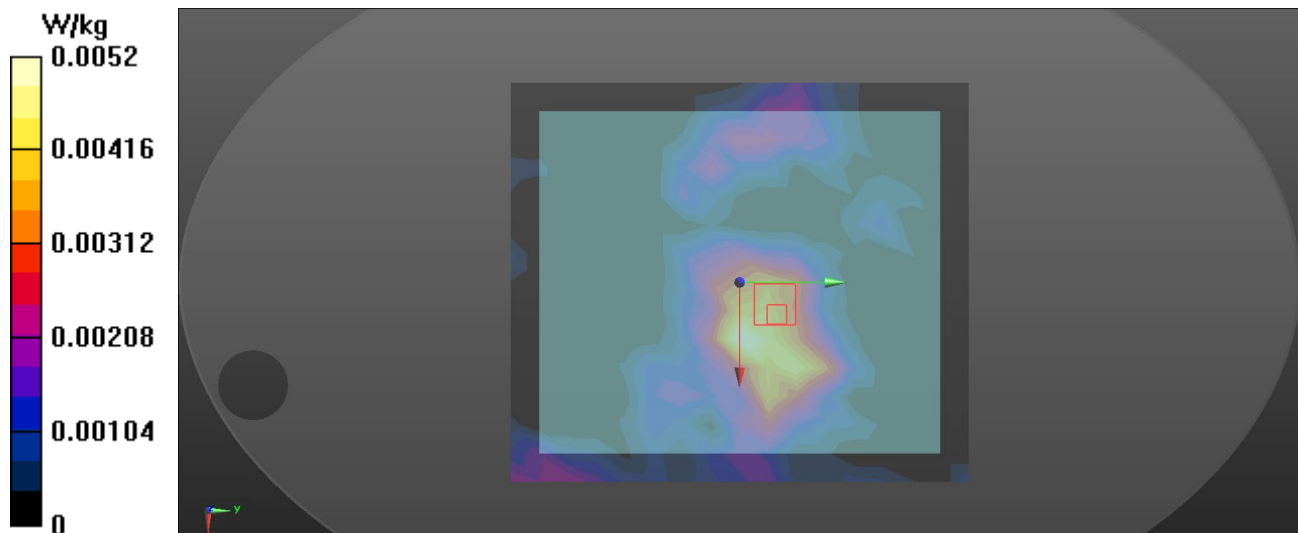
- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (19x22x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.00540 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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


Test Laboratory: BTL Inc.

Date: 2021/7/11

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/m³

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

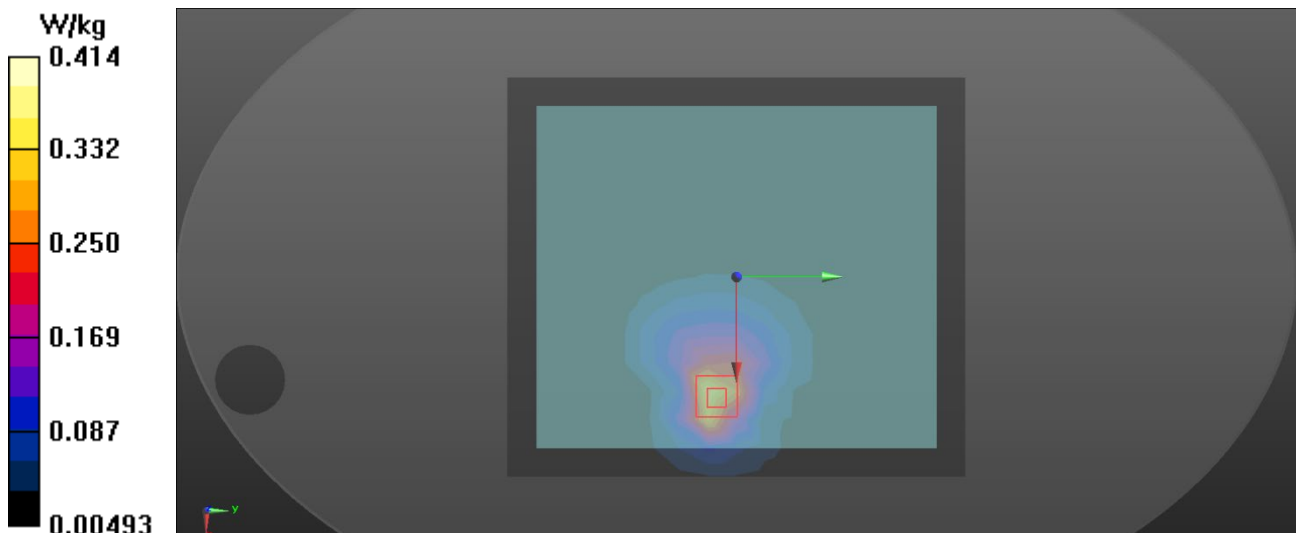
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/10

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/m³

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

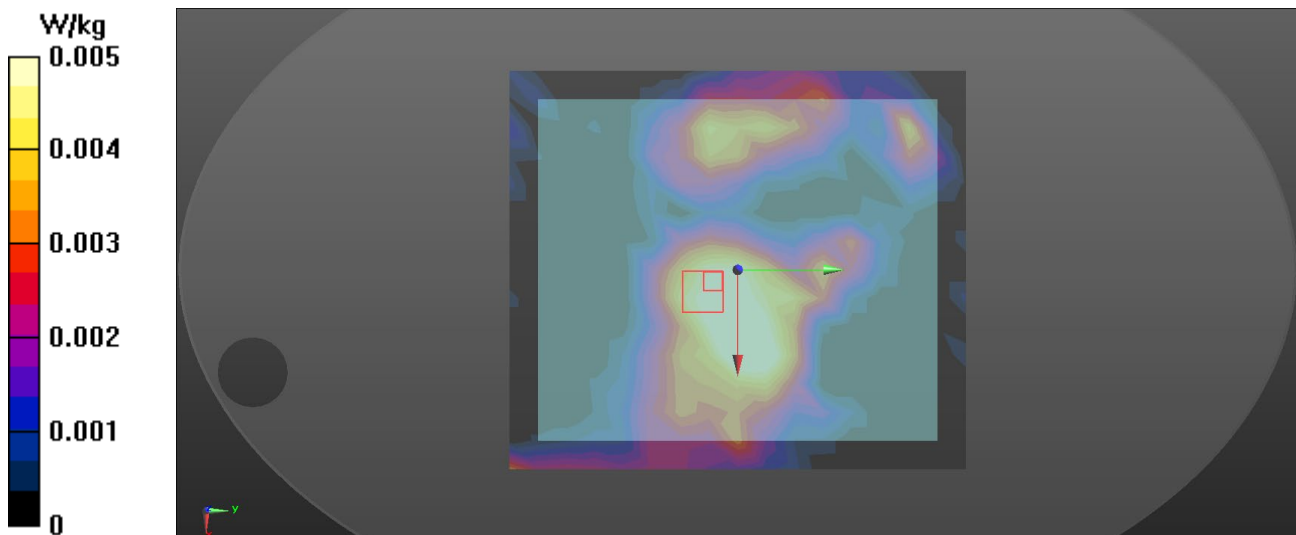
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



Test Laboratory: BTL Inc.

Date: 2021/7/10

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/m³

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

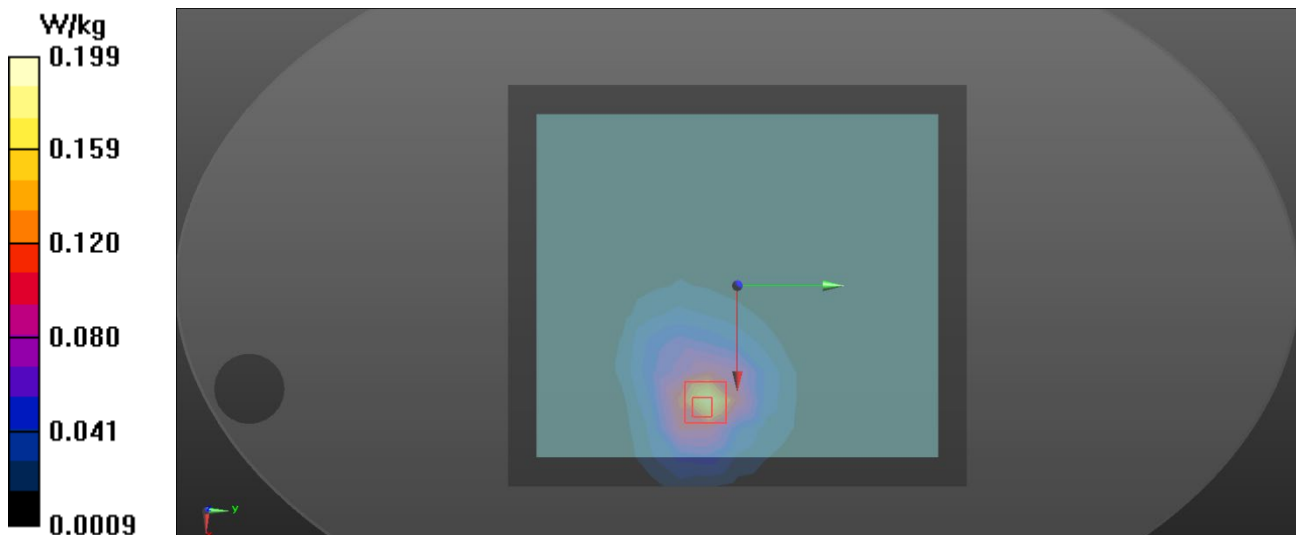
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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: $23.2 \text{ }^\circ\text{C}$; Liquid Temperature: $22.2 \text{ }^\circ\text{C}$

DASY Configuration:

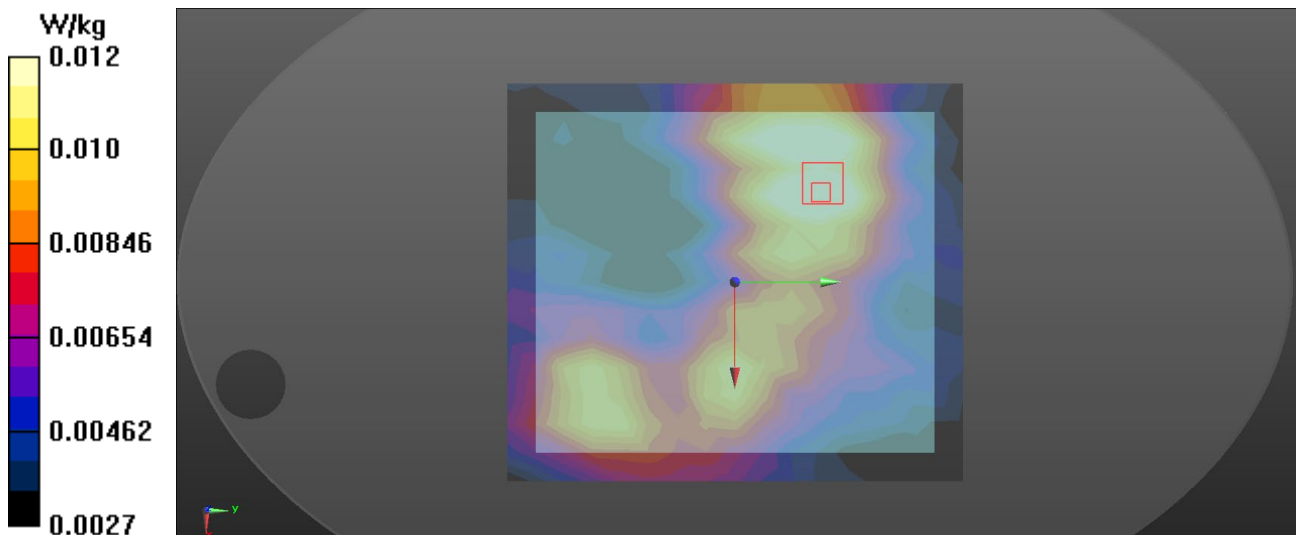
- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 844 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

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: $23.2 \text{ }^\circ\text{C}$; Liquid Temperature: $22.2 \text{ }^\circ\text{C}$

DASY Configuration:

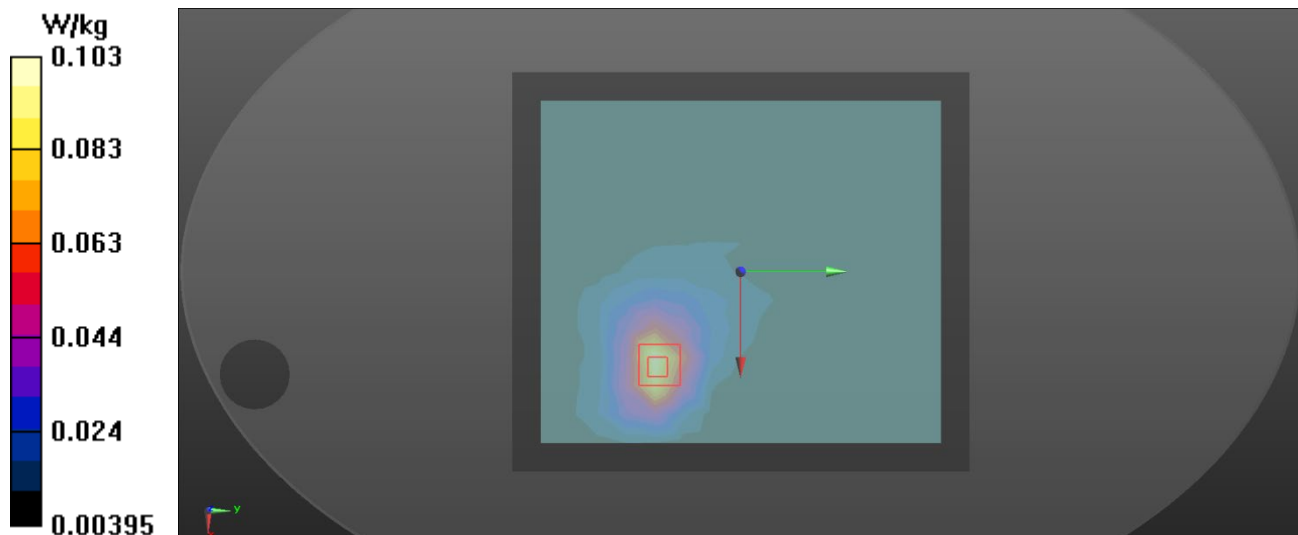
- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 844 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

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: $f = 2535 \text{ MHz}$; $\sigma = 1.909 \text{ S/m}$; $\epsilon_r = 39.667$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.4 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

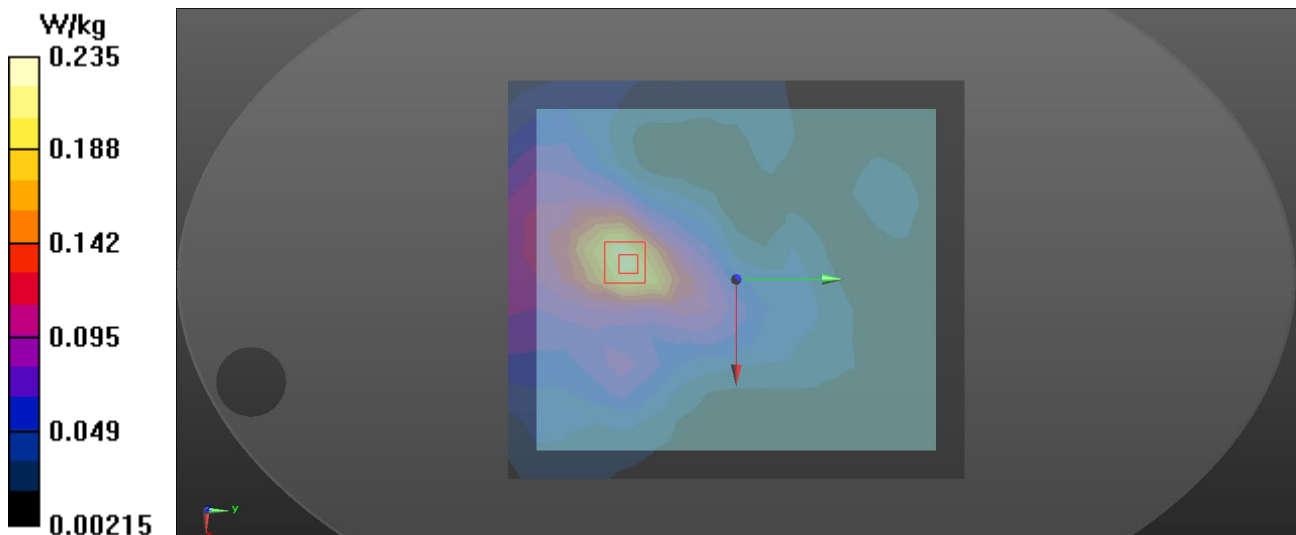
- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2535 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (19x22x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.221 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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: $f = 2535 \text{ MHz}$; $\sigma = 1.909 \text{ S/m}$; $\epsilon_r = 39.667$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.4 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

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: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.243 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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
