

Test Laboratory: BTL Inc.

Date: 2018/4/22

**T02\_UMTS B2\_RMC12.2K\_CH9400 \_Rear Face\_1.9cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.525$  S/m;  $\epsilon_r = 53.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °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 (7x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.583 W/kg

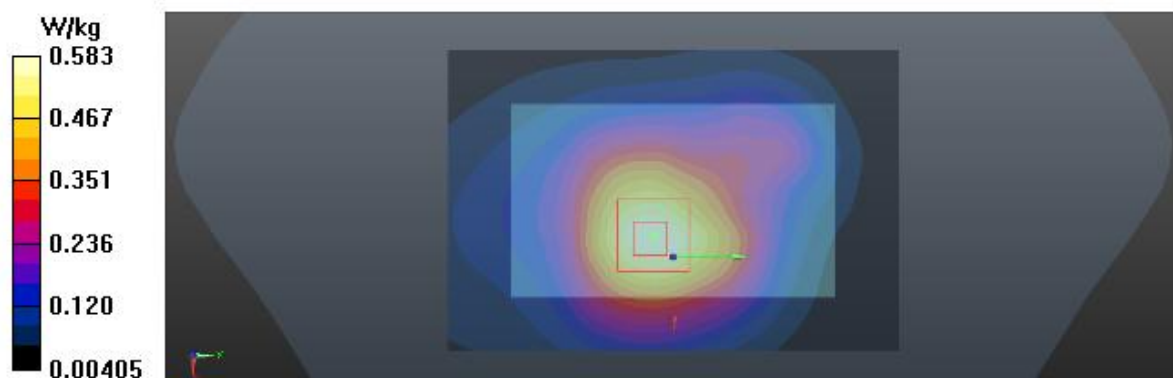
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.69 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.275 W/kg**

Maximum value of SAR (measured) = 0.575 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/22

**T12\_UMTS B2\_RMC12.2K\_CH9400 \_Rear Face\_1.0cm\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.525$  S/m;  $\epsilon_r = 53.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °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 (7x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.676 W/kg

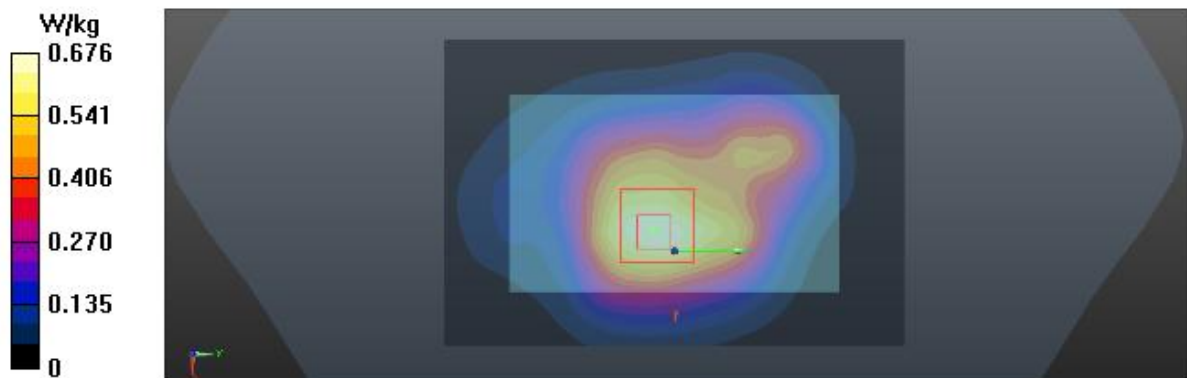
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.54 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.723 W/kg

**SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.308 W/kg**

Maximum value of SAR (measured) = 0.636 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/24

**T20\_UMTS B4\_RMC12.2K\_CH1413\_Front Face\_1.7cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °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 (8x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.882 W/kg

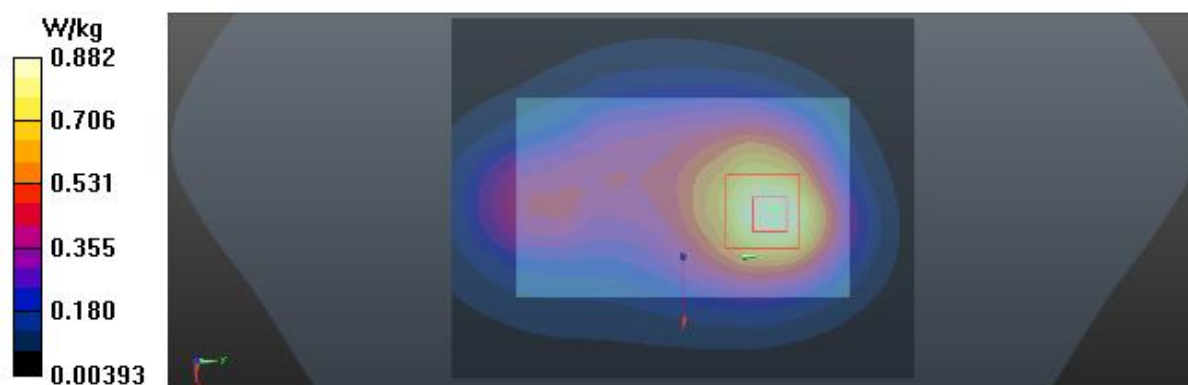
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.40 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.381 W/kg**

Maximum value of SAR (measured) = 0.848 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/24

**T36\_UMTS B4\_RMC12.2K\_CH1413\_Front Face\_1.0cm\_Battery 2\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °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 (8x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

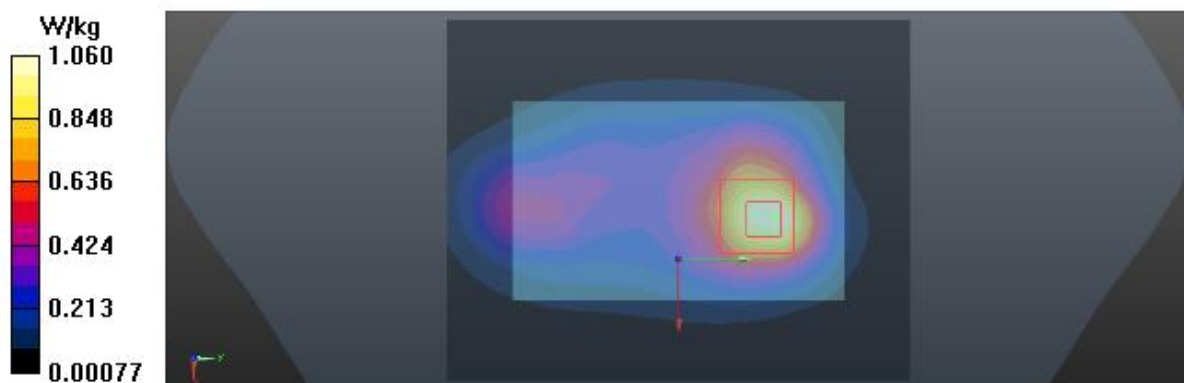
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.405 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/23

**T40\_UMTS B5\_RMC12.2K\_CH4182\_Front Face\_1.0cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 54.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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 (7x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

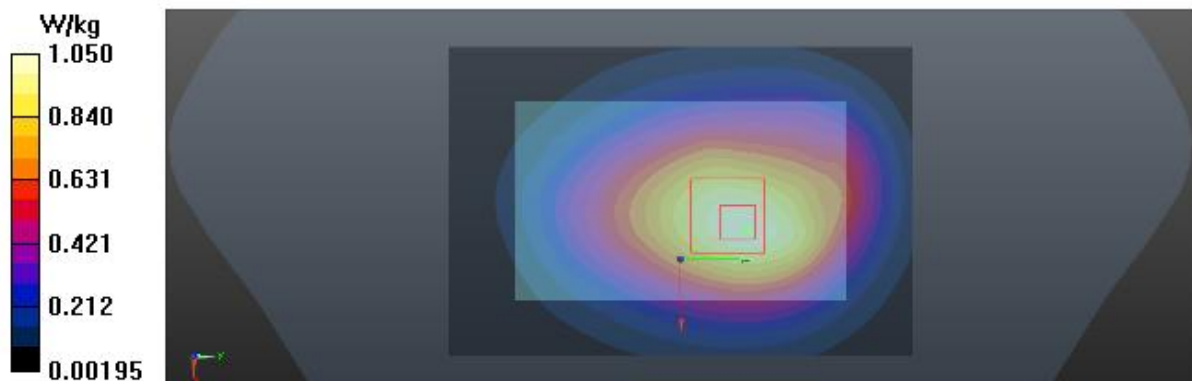
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.63 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.959 W/kg; SAR(10 g) = 0.672 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/22

**T52\_LTE B2\_QPSK20M\_CH19100\_1RB\_Rear Face\_1.9cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.551$  S/m;  $\epsilon_r = 53.76$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °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 (7x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

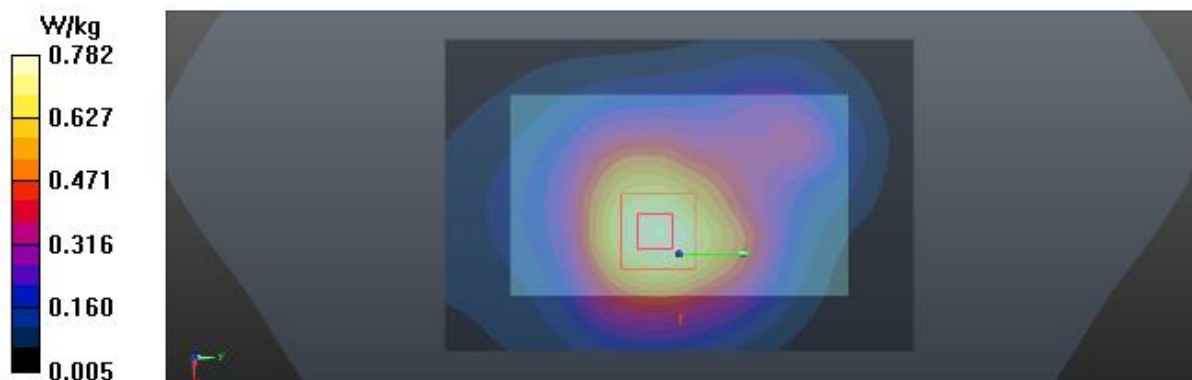
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.24 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.887 W/kg

**SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.375 W/kg**

Maximum value of SAR (measured) = 0.780 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/22

**T66\_LTE B2\_QPSK20M\_CH18900\_1RB\_Rear Face\_1cm\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.525$  S/m;  $\epsilon_r = 53.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.5 °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 (7x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

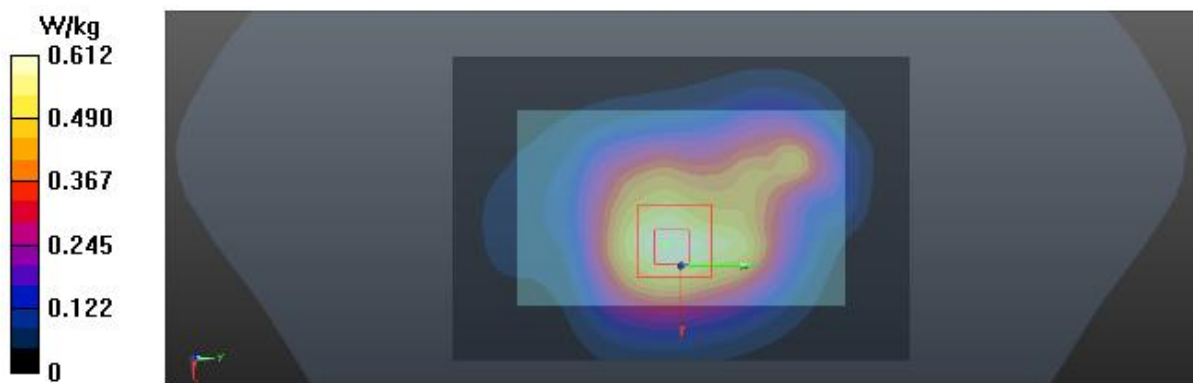
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.05 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.661 W/kg

**SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.278 W/kg**

Maximum value of SAR (measured) = 0.577 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/24

**T75\_LTE B4\_QPSK20M\_CH20175\_1RB\_Front Face\_1.7cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °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 (8x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.844 W/kg

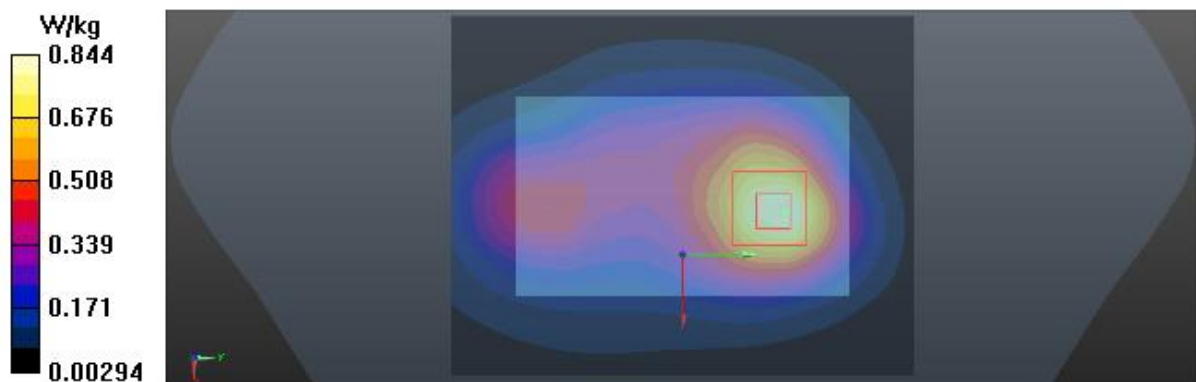
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.56 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.945 W/kg

**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.360 W/kg**

Maximum value of SAR (measured) = 0.813 W/kg





Test Laboratory: BTL Inc.

Date: 2018/4/24

**T96\_LTE B4\_QPSK20M\_CH20300\_1RB\_Front Face\_1.0cm\_Battery 2\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 52.473$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °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 (8x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.629 W/kg

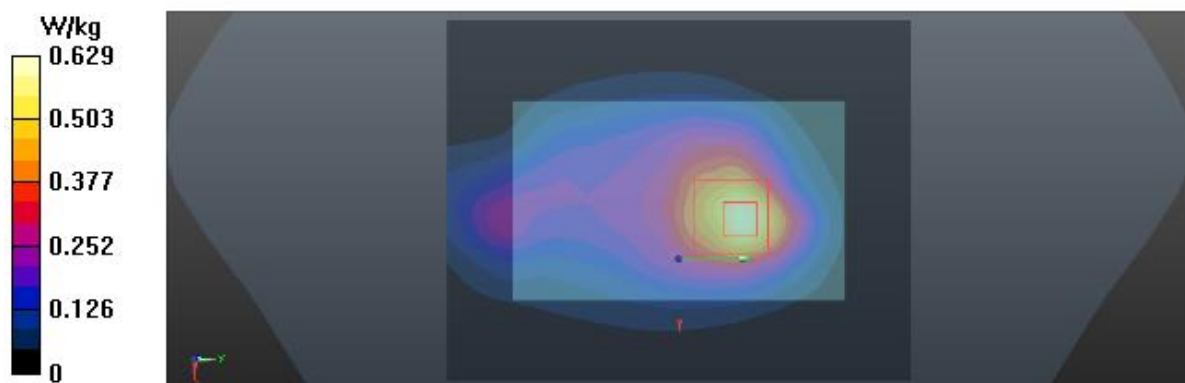
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.53 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.690 W/kg

**SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.237 W/kg**

Maximum value of SAR (measured) = 0.594 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/23

**T112\_LTE B5\_QPSK10M\_CH20600\_1RB\_Front Face\_1.7cm\_Battery 2\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 10MHz, QPSK) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.984 \text{ S/m}$ ;  $\epsilon_r = 54.234$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.5 \text{ }^\circ\text{C}$

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 (7x10x1):** Interpolated grid:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.00 \text{ W/kg}$

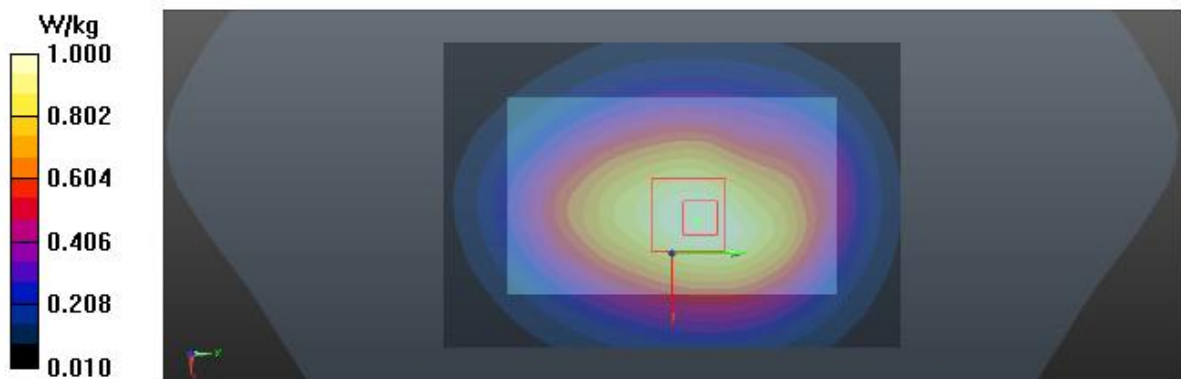
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $28.52 \text{ V/m}$ ; Power Drift =  $-0.12 \text{ dB}$

Peak SAR (extrapolated) =  $1.09 \text{ W/kg}$

**SAR(1 g) =  $0.790 \text{ W/kg}$ ; SAR(10 g) =  $0.571 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.985 \text{ W/kg}$



Test Laboratory: BTL Inc.

Date: 2018/4/23

**T115\_LTE B5\_QPSK10M\_CH20600\_1RB\_Front Face\_1cm\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 10MHz, QPSK) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 54.234$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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 (8x10x1):** Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.553 W/kg

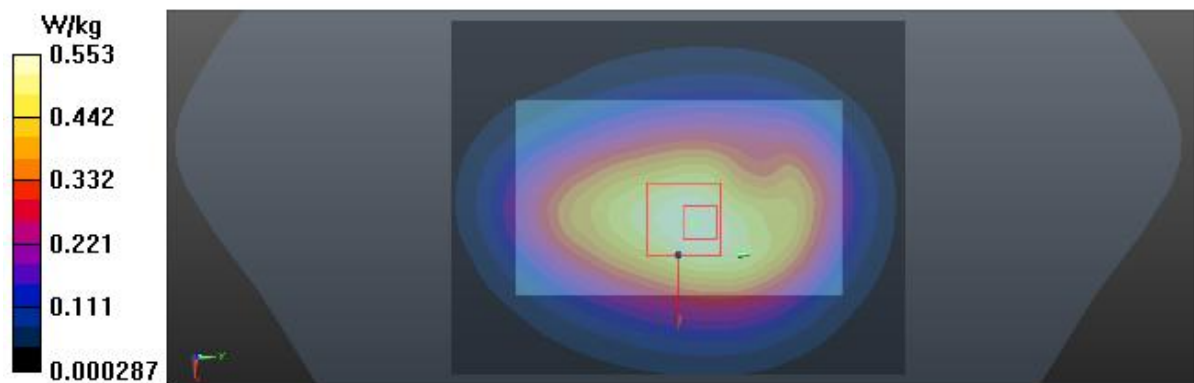
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.43 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.695 W/kg

**SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.542 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/23

**T134\_LTE B7\_QPSK20M\_CH21100\_1RB\_Bottom Side\_1.0cm\_Sensor off**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.118$  S/m;  $\epsilon_r = 52.488$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °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: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x12x1):** Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.08 W/kg

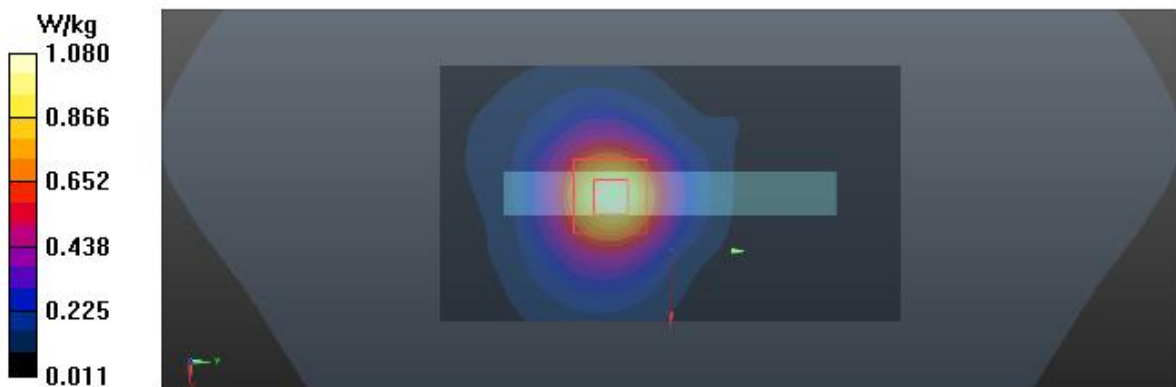
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.99 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.342 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/23

**T145\_LTE B7\_QPSK20M\_CH21100\_1RB\_Right Side\_1.0cm\_Sensor on**

**DUT: E5573Fs-508;**

Communication System: UID 0, LTE-FDD(1RB, 20MHz, QPSK) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.118$  S/m;  $\epsilon_r = 52.488$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.2 °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: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x11x1):** Interpolated grid:  $dx=12$  mm,  $dy=12$  mm

Maximum value of SAR (interpolated) = 0.735 W/kg

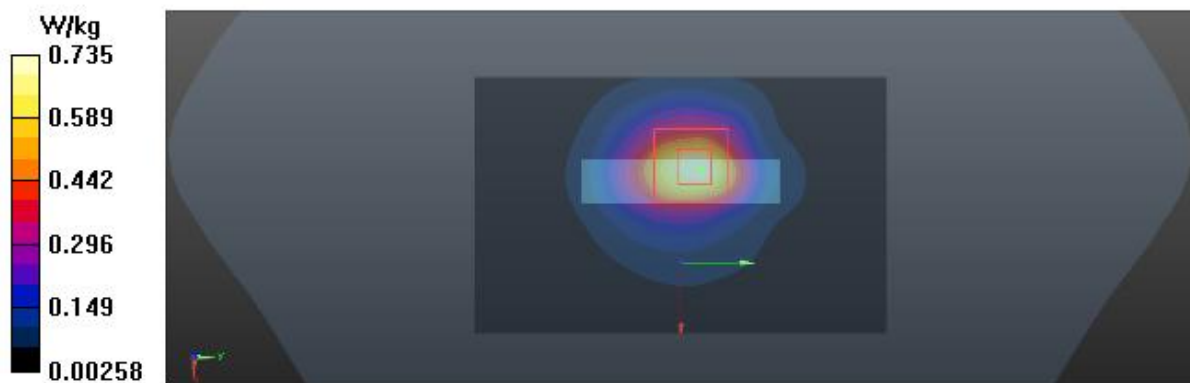
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.35 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.897 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.224 W/kg**

Maximum value of SAR (measured) = 0.734 W/kg



Test Laboratory: BTL Inc.

Date: 2018/4/24

**T153\_802.11b\_CH10\_Bottom Side\_1.0cm**

**DUT: E5573Fs-508;**

Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps) (0); Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2457$  MHz;  $\sigma = 2.008$  S/m;  $\epsilon_r = 51.691$ ;  $\rho = 1000$  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: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (7x11x1):** Interpolated grid:  $dx=12$  mm,  $dy=12$  mm

Maximum value of SAR (interpolated) = 0.301 W/kg

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

Reference Value = 8.765 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.421 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.100 W/kg**

Maximum value of SAR (measured) = 0.349 W/kg

