

Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/21

L07_LTE B2_QPSK20M_CH18700_1RB offset0_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1860 MHz;
Duty Cycle: 1:1

Medium parameters used : $f = 1860$ MHz; $\sigma = 1.302$ S/m; $\epsilon_r = 40.617$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.25, 8.25, 8.25) @ 1860 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.903 W/kg

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

Reference Value = 14.56 V/m; Power Drift = 0.08 dB

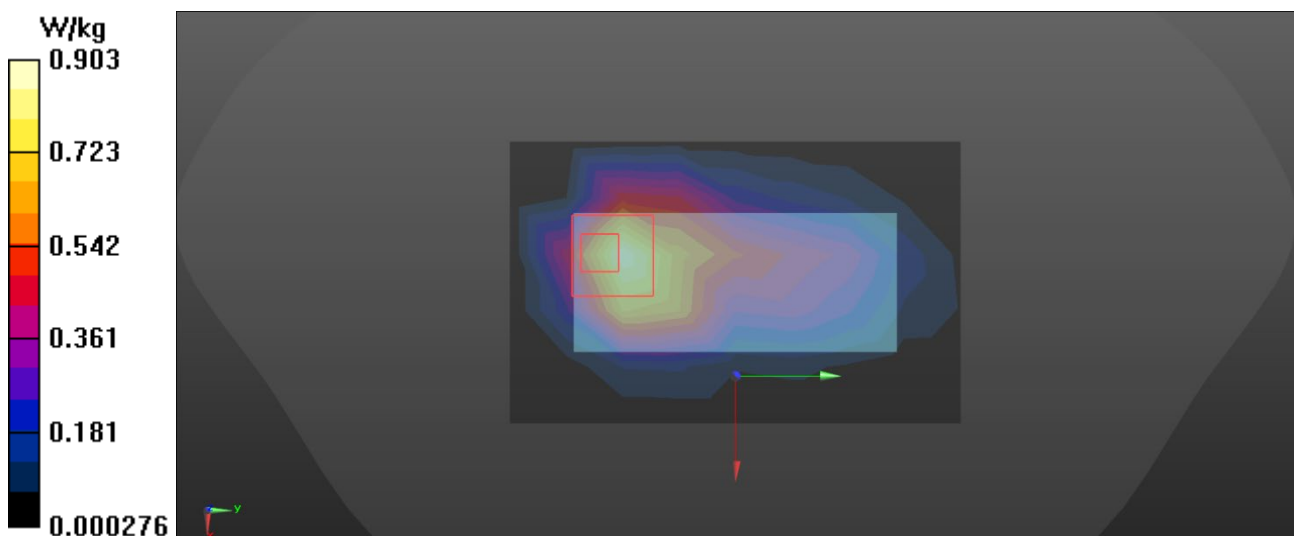
Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.354 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 1.36 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/25

L16_LTE B4_QPSK20M_CH20050_1RB offset0_Back Side_5mm_Ant Main

DUT: Test sample;

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.369 \text{ S/m}$; $\epsilon_r = 41.655$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.63, 8.63, 8.63) @ 1720 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial:2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.84 W/kg

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

Reference Value = 25.33 V/m; Power Drift = 0.07 dB

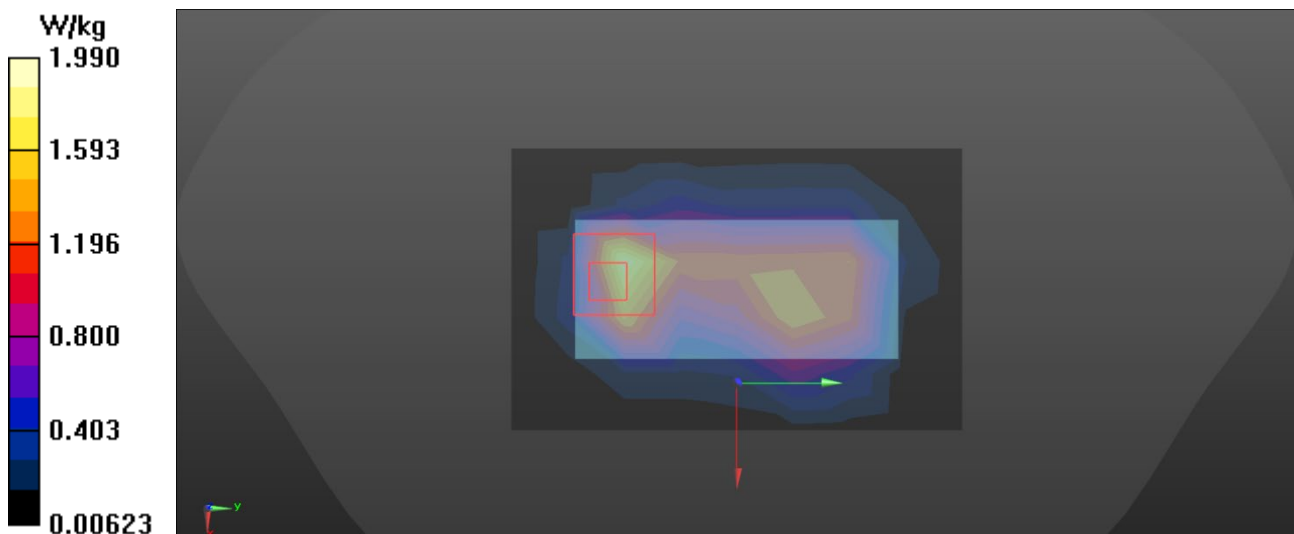
Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.497 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 48%

Maximum value of SAR (measured) = 1.99 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/23

L26_LTE B5_QPSK20M_CH20450_1RB offset0_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 829 MHz;
Duty Cycle: 1:1

Medium parameters used : $f = 829 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 41.229$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.19, 10.19, 10.19) @ 829 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.627 W/kg

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

Reference Value = 16.38 V/m ; Power Drift = 0.02 dB

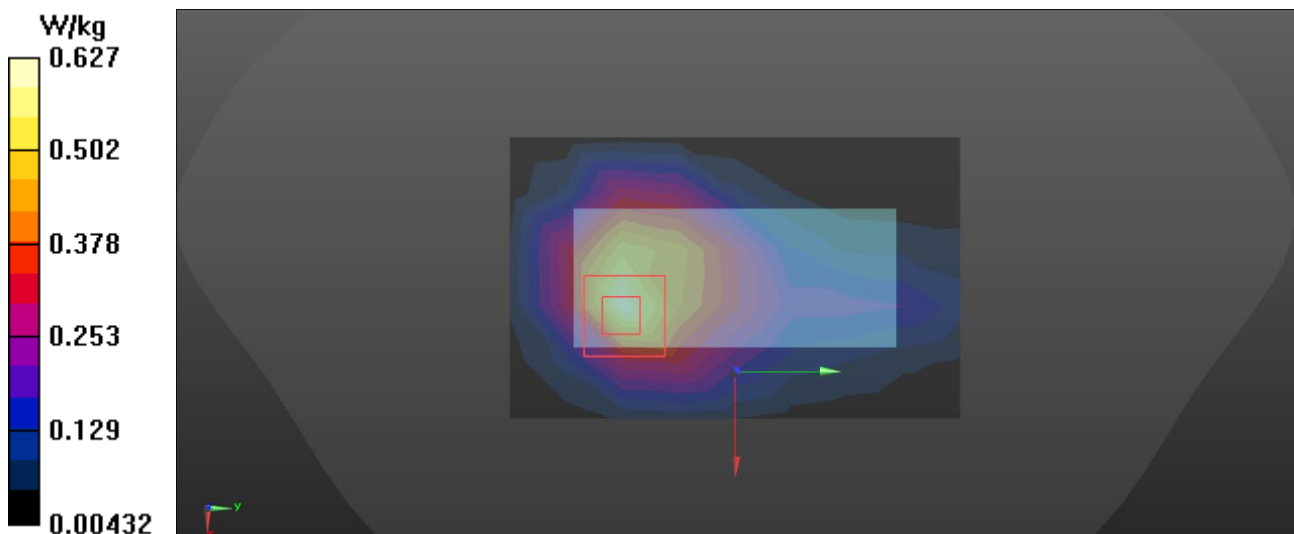
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.490 W/kg ; SAR(10 g) = 0.238 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 0.842 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/23

L29_LTE B13_QPSK20M_CH23230_1RB offset49_Font Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 41.43$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.59, 10.59, 10.59) @ 782 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial:2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.803 W/kg

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

Reference Value = 22.27 V/m ; Power Drift = 0.18 dB

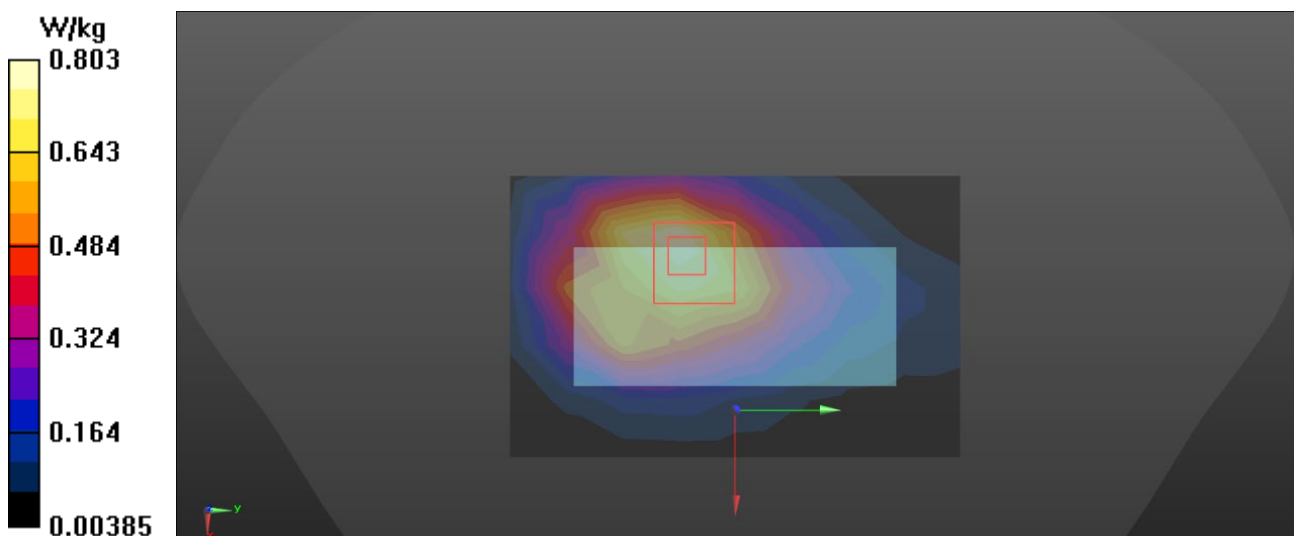
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.620 W/kg ; SAR(10 g) = 0.380 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.901 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/25

L42_LTE B66_QPSK20M_CH132072_1RB offset0_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 41.655$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.63, 8.63, 8.63) @ 1720 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.55 W/kg

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

Reference Value = 23.48 V/m; Power Drift = 0.12 dB

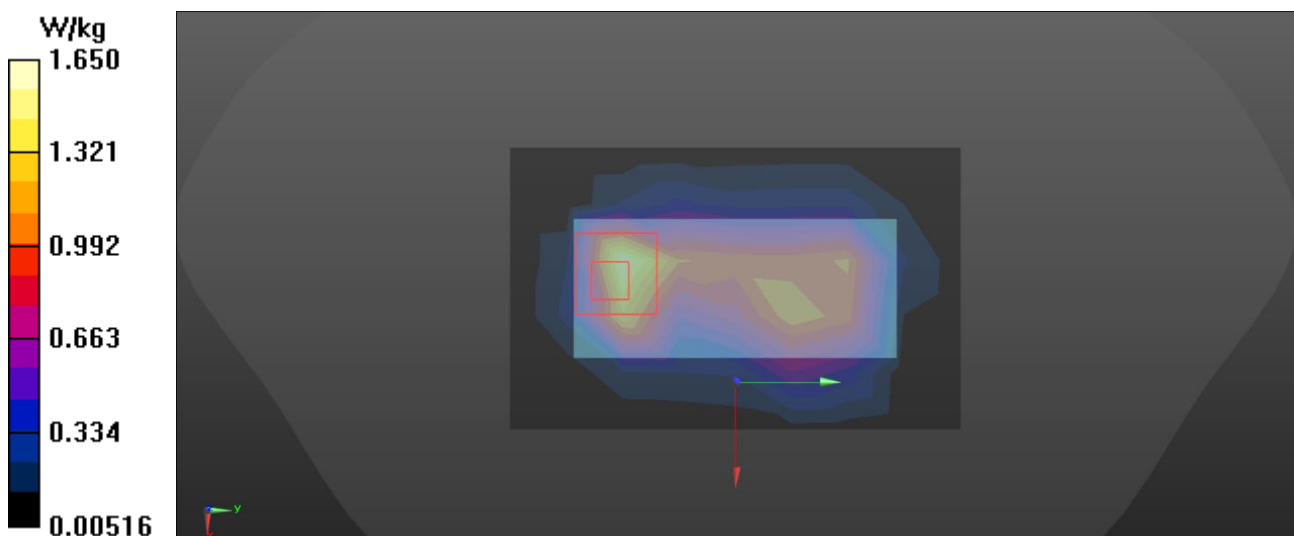
Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.423 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 48.8%

Maximum value of SAR (measured) = 1.65 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/21

N02_NR n2_DFT-s-OFDM QPSK_CH376000_20M_SCS 15K_50RB offset 25_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 10931 - AAA, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used : $f = 1880$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 40.567$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.6 °C

DASY Configuration:

- Probe: EX3DV4 -SN7544; ConvF(8.25, 8.25, 8.25)@1880 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial:2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.28 W/kg

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

Reference Value = 15.92 V/m; Power Drift = 0.07 dB

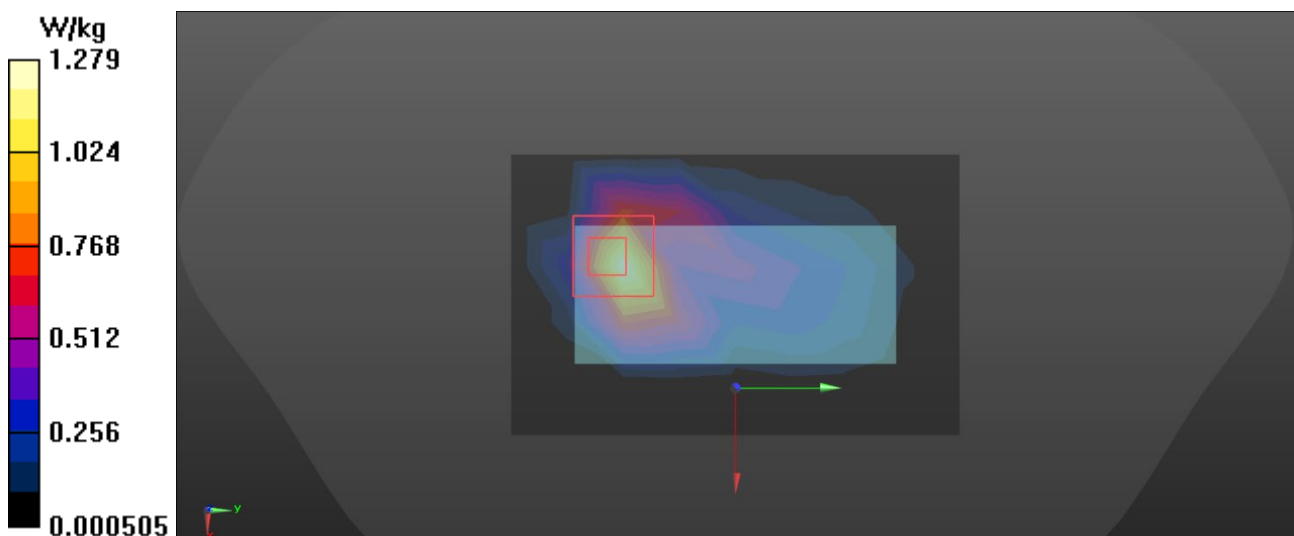
Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.927 W/kg; SAR(10 g) = 0.411 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 1.71 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/23

N12_NR n5_DFT-s-OFDM QPSK_CH167300_20M_SCS 15K_50RB offset25_Back Side_5mm_Ant Main
DUT: Test sample;

Communication System: UID 0, 5G NR (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used : $f = 836.5 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 41.183$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe:EX3DV4-SN7544;ConvF(10.19,10.19,10.19)@836.5MHz;Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

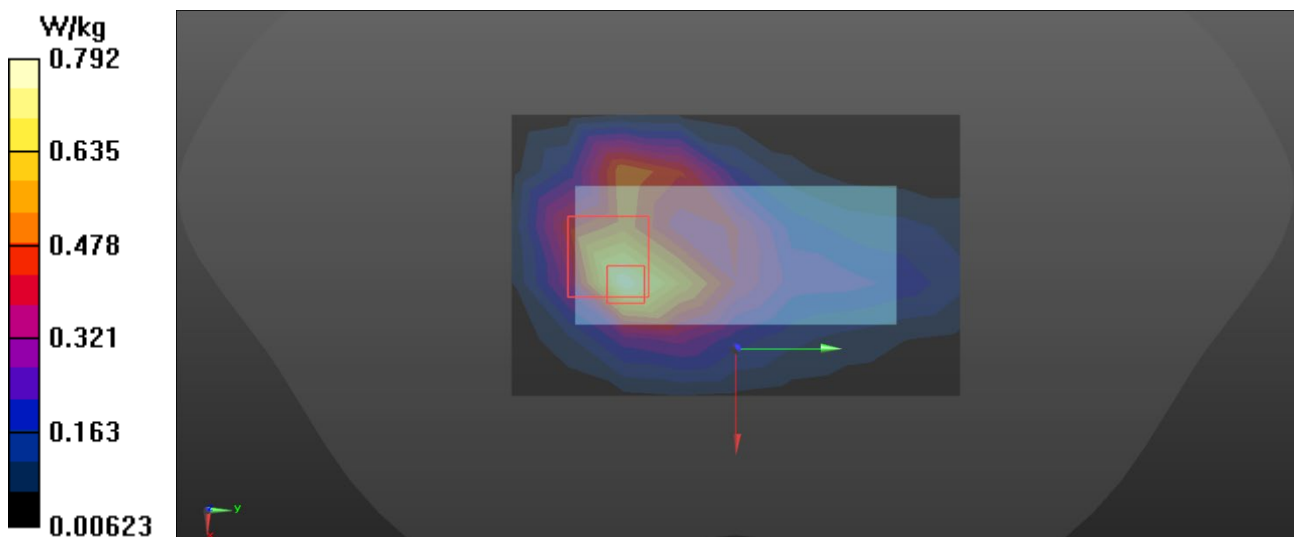
Maximum value of SAR (measured) = 0.792 W/kg
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.24 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.457 W/kg ; SAR(10 g) = 0.234 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 42.1%

Maximum value of SAR (measured) = 0.808 W/kg


Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/12/25

N26_NR n66_DFT-s-OFDM QPSK_CH344000_20M_SCS 15K_1RB offset1_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 0, 5G NR (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 41.655$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.63, 8.63, 8.63) @ 1720 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.98 W/kg

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

Reference Value = 27.51 V/m; Power Drift = 0.15 dB

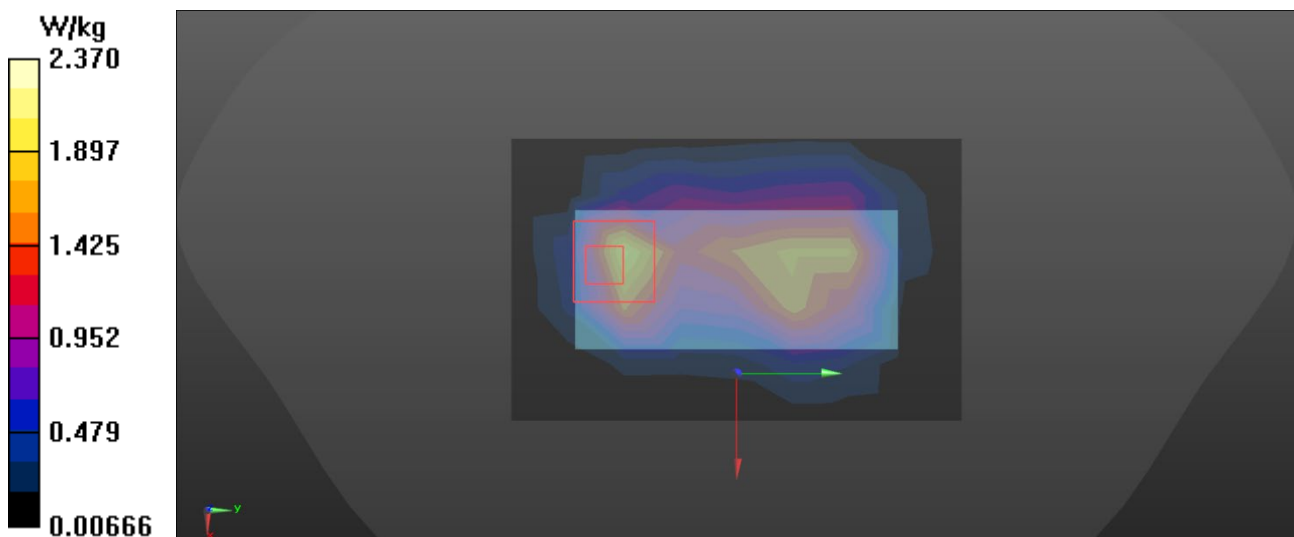
Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.574 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 2.37 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2026/1/8

N37_NR n77_DFT-s-OFDM QPSK_CH679332_20M_SCS 30K_25RB offset12_Back Side_5mm_Ant Main**DUT: Test sample;**

Communication System: UID 0, 5G NR (0); Frequency: 4189.98 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 4190$ MHz; $\sigma = 3.677$ S/m; $\epsilon_r = 35.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(6.43, 6.36, 6.87) @ 4189.98 MHz; Calibrated: 2025/11/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2025/4/8
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Type: QD 000 P41 Ax; Serial: 2081
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (8x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 2.30 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 1.629 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.402 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 29.6%

Maximum value of SAR (measured) = 2.52 W/kg

