

Appendix B

Detailed Test Results

1. GSM
GSM850 for Body
GSM1900 for Body
2. WCDMA
WCDMA Band II for Body
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3. LTE
LTE Band 2 for Body
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LTE Band 5 for Body
LTE Band 7 for Body
LTE Band 41 for Body
4. WIFI
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WIFI 5.2GHz for Body
WIFI 5.8GHz for Body



Date: 2025/5/12

Test Laboratory: LCS-SAR Lab

GSM 850 GPRS 3TX 190CH Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1: 2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 41.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.08, 9.08, 9.08); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.776 W/kg

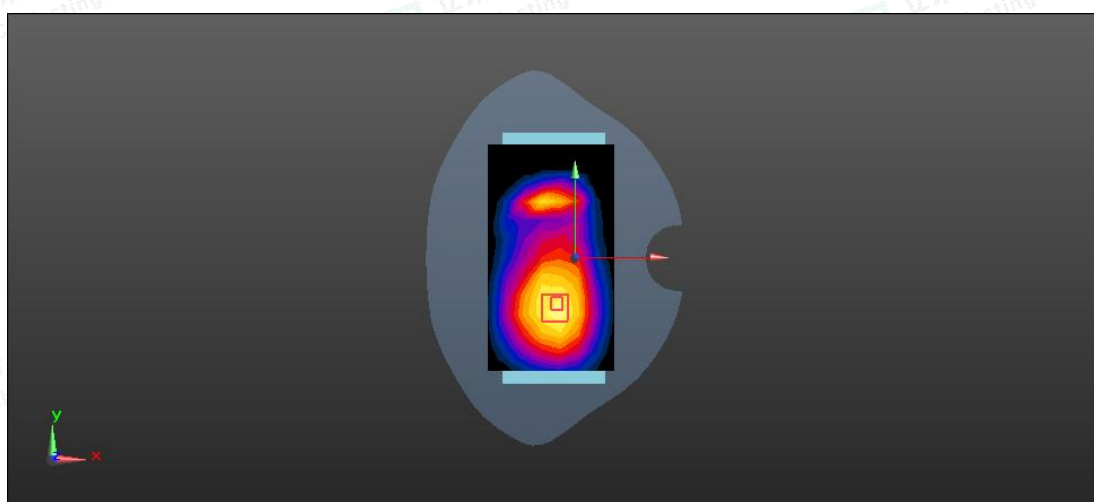
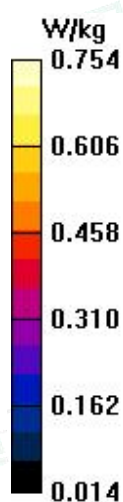
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.24 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.754 W/kg



Date: 2025/5/13

Test Laboratory: LCS-SAR Lab

GSM 1900 GPRS 3TX 512CH Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, GSM (0); Frequency: 1880 MHz; Duty Cycle: 1: 2.77

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 39.872$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.80, 7.80, 7.80); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.643 W/kg

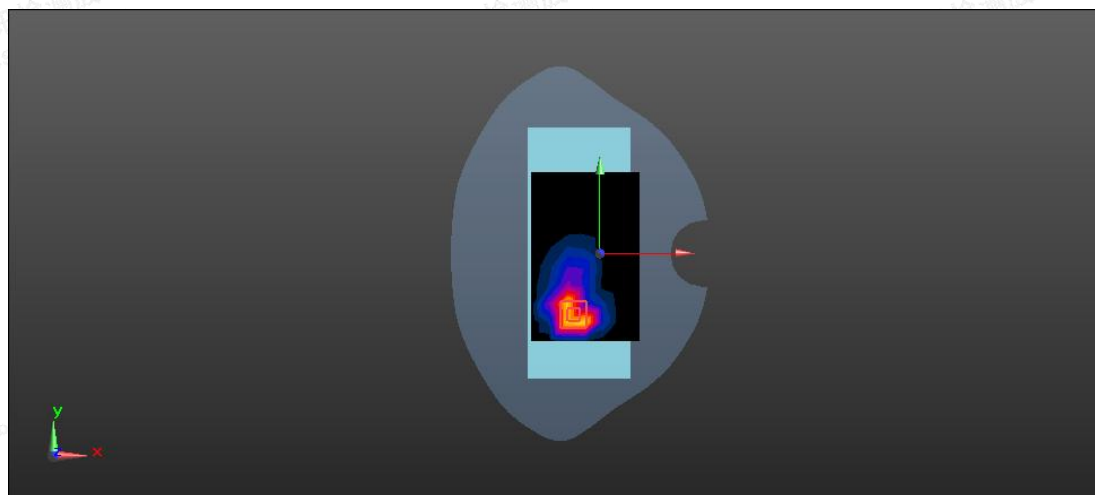
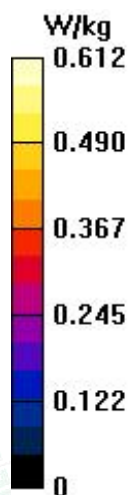
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.48 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.214 W/kg

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



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Date: 2025/5/13

Test Laboratory: LCS-SAR Lab
WCDMA II RMC 9400CH Rear side 0mm

DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 39.872$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.80, 7.80, 7.80); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.854W/kg

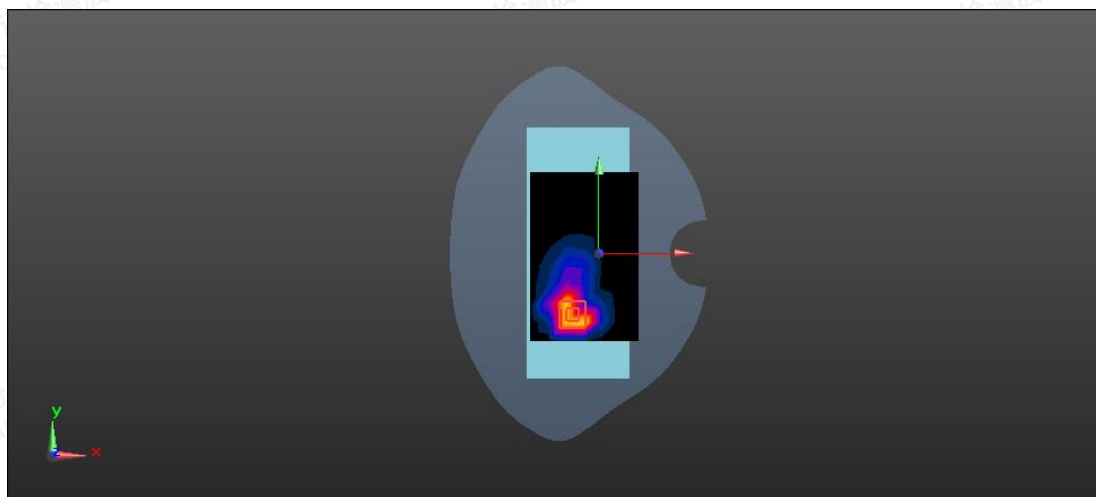
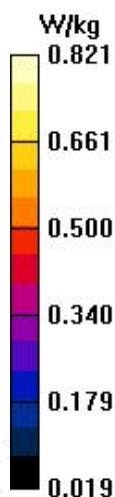
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.37 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.821W/kg



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Date: 2025/5/12

Test Laboratory: LCS-SAR Lab
WCDMA V RMC 4233CH Rear side 0mm

DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used : $f = 846.6$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 41.698$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

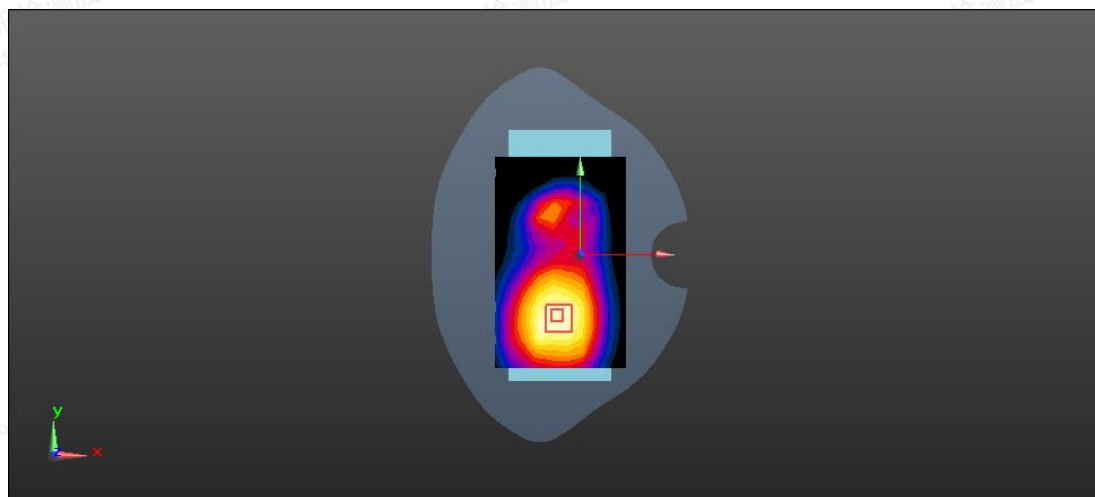
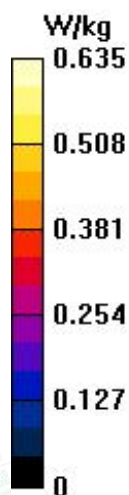
DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.08, 9.08, 9.08); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.662 W/kg

Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.25 V/m; Power Drift = 0.0 1dB
Peak SAR (extrapolated) = 0.768 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.635 W/kg



Date: 2025/5/13

Test Laboratory: LCS-SAR Lab

LTE B2 20M QPSK 18900CH 1RB49 Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 39.872$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.80, 7.80, 7.80); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.994 W/kg

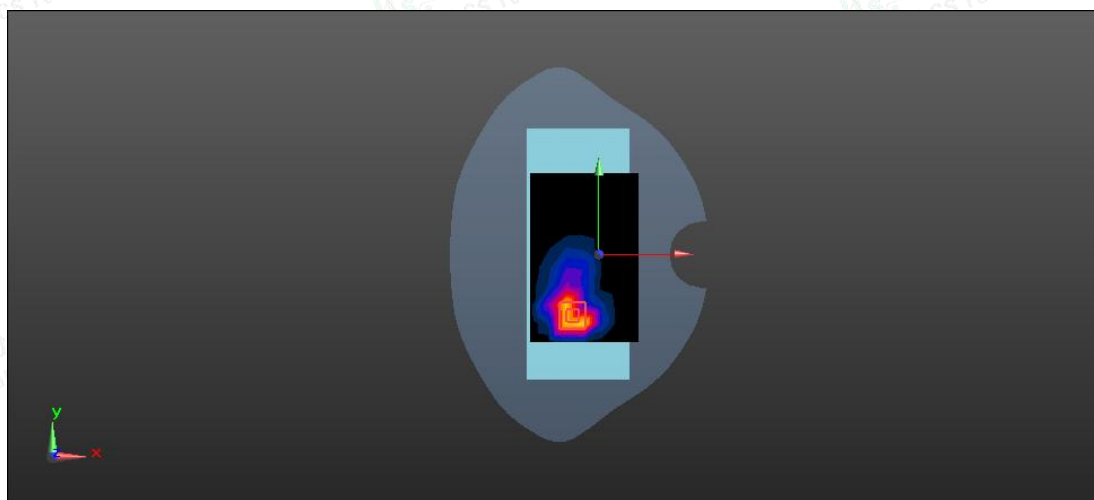
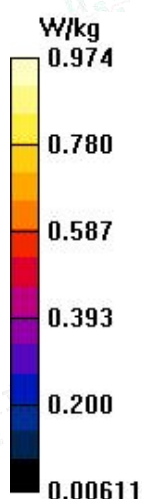
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.43 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.374 W/kg

Maximum value of SAR (measured) = 0.974 W/kg



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Date: 2025/5/12

Test Laboratory: LCS-SAR Lab

LTE B4 20M QPSK 20175CH 1RB99 Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 39.255$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.14, 8.14, 8.14); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.943 W/kg

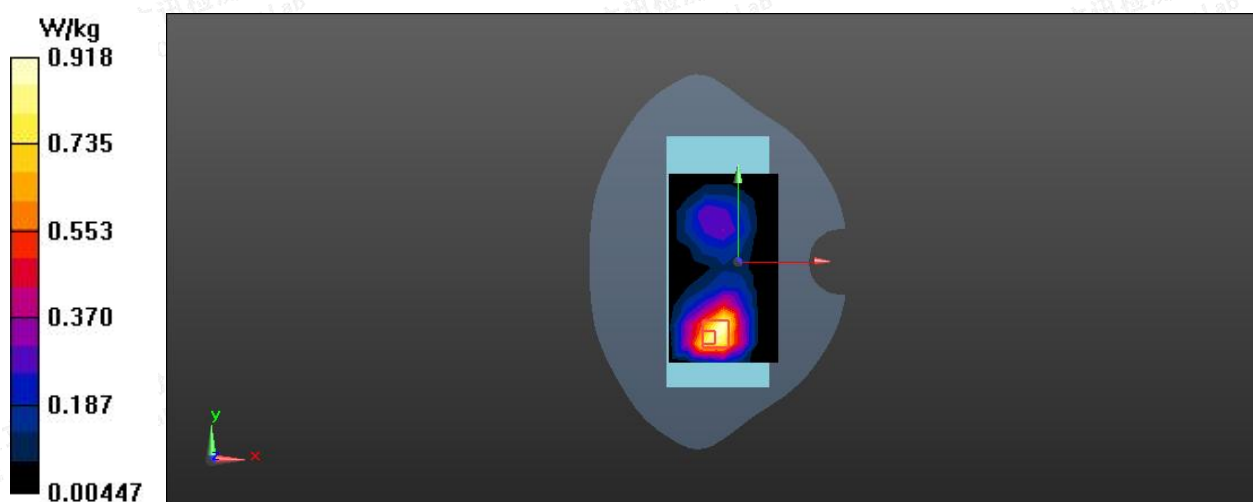
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.82 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.918 W/kg



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Date: 2025/5/12

Test Laboratory: LCS-SAR Lab

LTE B5 10M QPSK 20450CH 1RB24 Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, LTE-TDD (0); Frequency: 839 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 839$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 42.212$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.08, 9.08, 9.08); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.957 W/kg

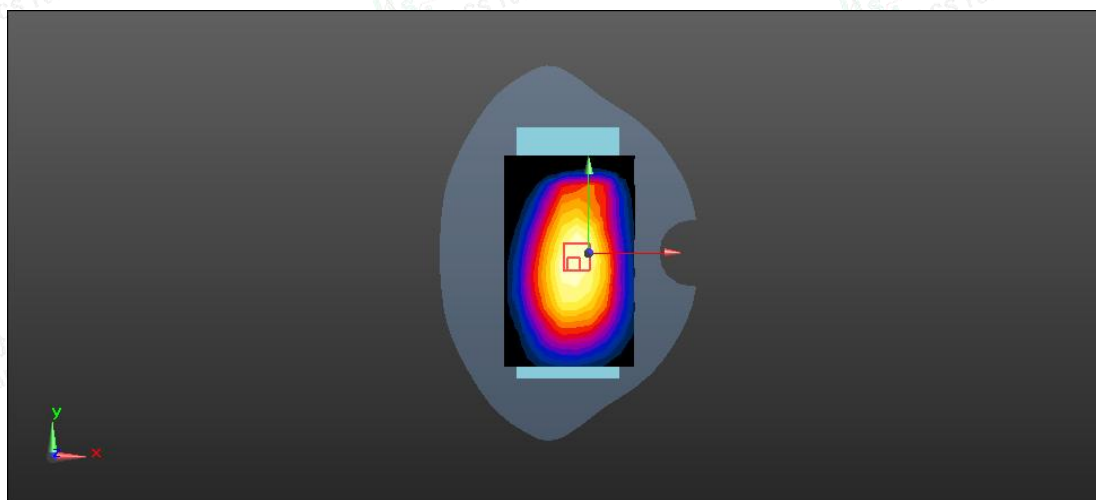
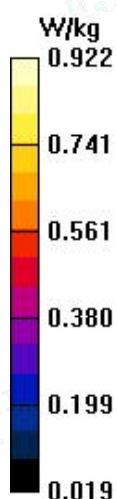
Configuration/ Body /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.43 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 0.922 W/kg



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Date:2025/5/14

Test Laboratory: LCS-SAR Lab

LTE B7 20M QPSK 21350CH 1RB49 Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, LTE-TDD (0); Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.914$ S/m; $\epsilon_r = 39.799$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.25, 7.25, 7.25); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.697 W/kg

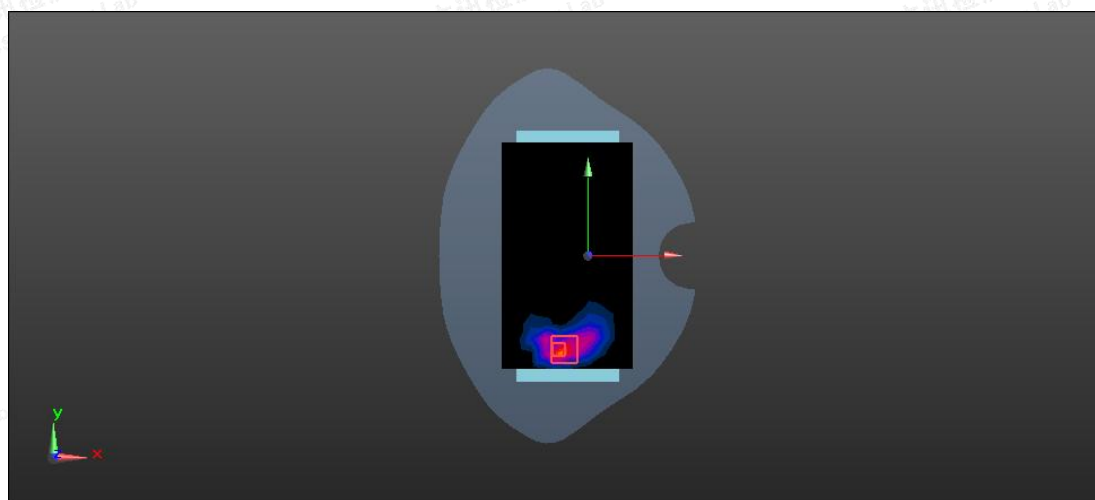
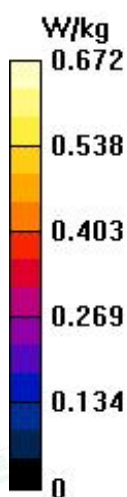
Configuration/ Body /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.328 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.937 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.672 W/kg



Date:2025/5/14

Test Laboratory: LCS-SAR Lab

LTE B41 20M QPSK 40620CH 1RB0 Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, LTE-TDD (0); Frequency: 2593 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.958$ S/m; $\epsilon_r = 39.792$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.25, 7.25, 7.25); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.674 W/kg

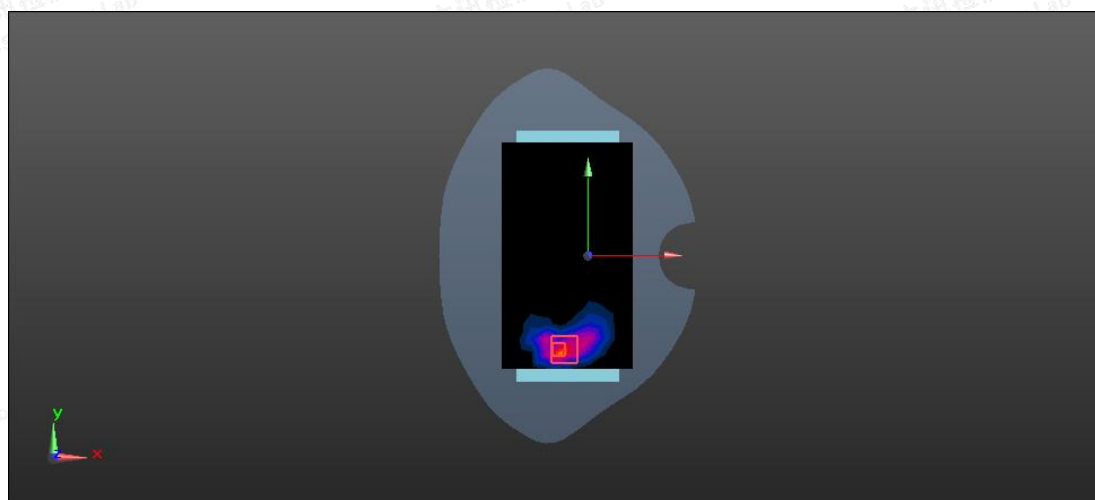
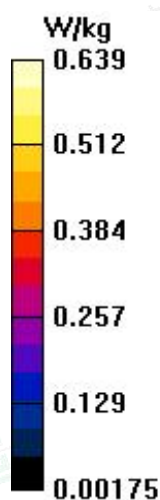
Configuration/ Body /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.943 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



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Date: 2025/5/14

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 1CH Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2412 MHz; Duty Cycle: 1:1008

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 40.052$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.43, 7.43, 7.43); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.917 W/kg

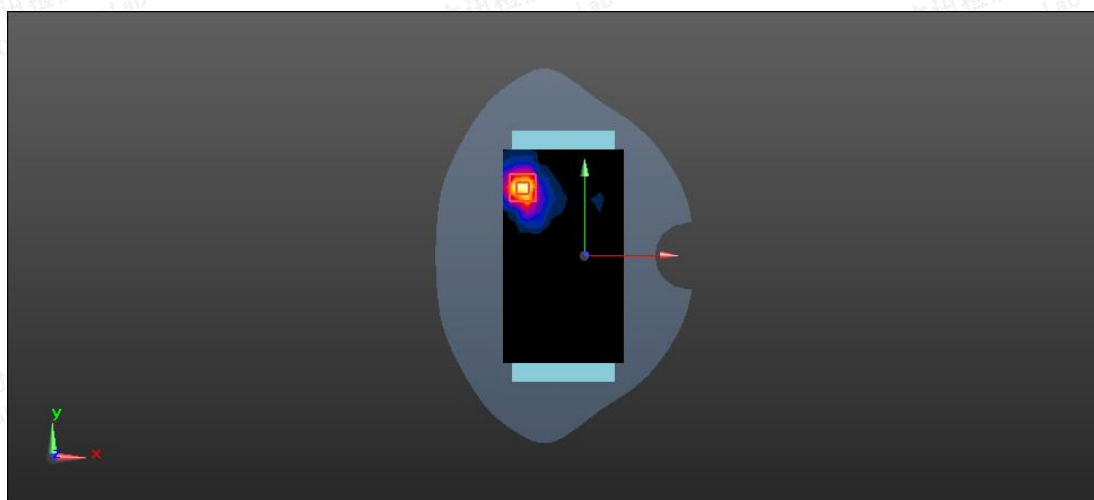
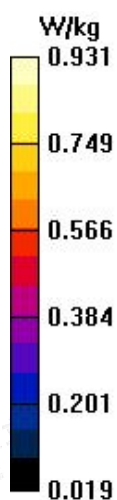
Configuration/ Body /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.26 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 0.931 W/kg



Date: 2025/5/15

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 36CH Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

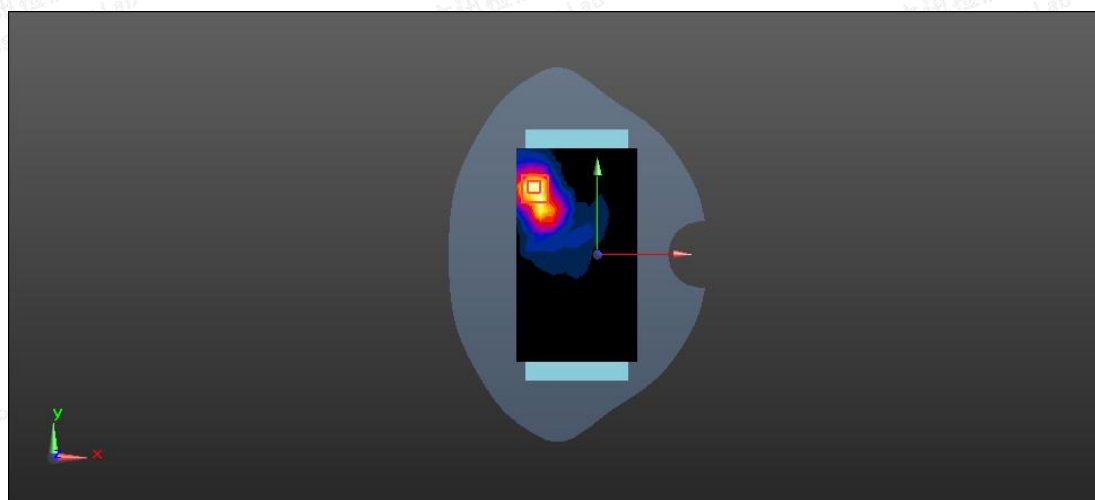
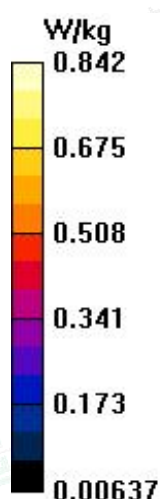
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.585 \text{ S/m}$; $\epsilon_r = 36.465$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (11x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.879 W/kg **Configuration/ Body /Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 10.49 V/m ; Power Drift = 0.02 dB Peak SAR (extrapolated) = 1.09 W/kg **SAR(1 g) = 0.532 W/kg ; SAR(10 g) = 0.286 W/kg** Maximum value of SAR (measured) = 0.842 W/kg 

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Date: 2025/5/15

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 149CH Rear side 0mm**DUT: Smart POS; Type: WIZARPOS Q3; Serial: A250403086-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5745 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.287 \text{ S/m}$; $\epsilon_r = 35.245$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.86, 4.86, 4.86); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (11x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.611 W/kg **Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 10.22 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 0.972 W/kg **SAR(1 g) = 0.489 W/kg ; SAR(10 g) = 0.282 W/kg** Maximum value of SAR (measured) = 0.635 W/kg 