



Appendix B

Detailed Test Results

1. WIFI
WIFI 2.4GHz for Body
WIFI 5.2GHz for Body
WIFI 5.8GHz for Body
2. BT
BT 2.4GHz for Body





Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11g 1CH Rear side 0mm

DUT: Obook reader; Type: OBOOK 5; Serial: A241127003-1

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

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 39.676$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2024/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Rear side 0mm /Area Scan (11x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.728 W/kg

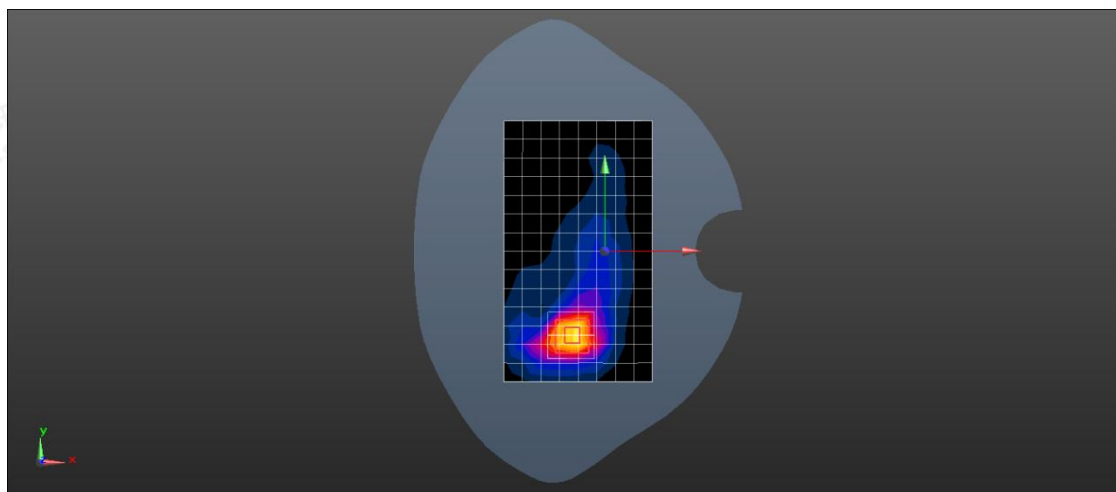
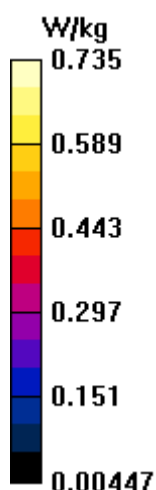
Configuration/ Rear side 0mm /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.342 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.382 W/kg

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



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**Test Laboratory: LCS-SAR Lab****WIFI 5.2G 802.11ax 40M 46CH Rear side 0mm****DUT: Obook reader; Type: OBOOK 5; Serial: A241127003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230 \text{ MHz}$; $\sigma = 4.633 \text{ S/m}$; $\epsilon_r = 37.756$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2024/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Rear side 0mm /Area Scan (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.473 W/kg

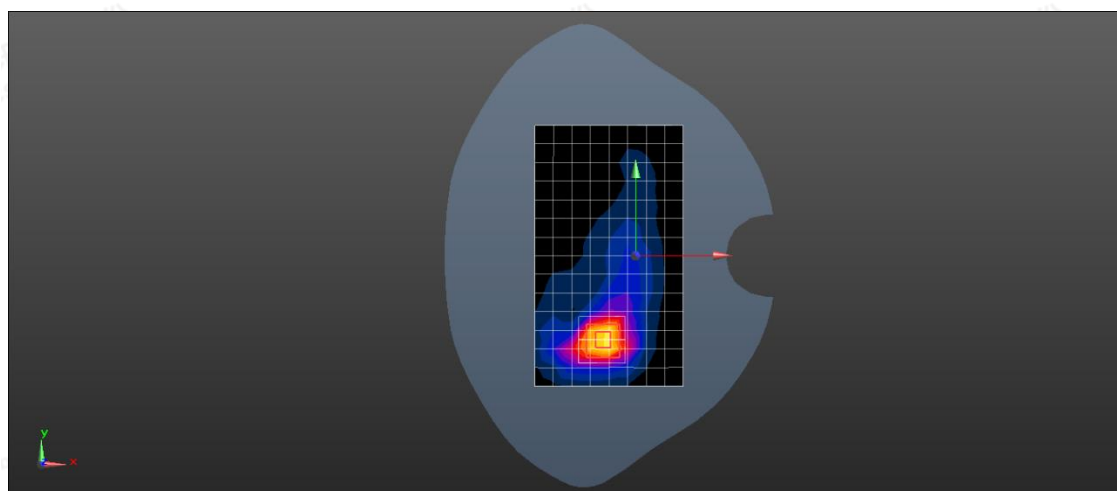
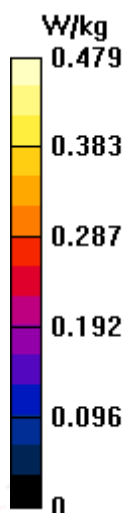
Configuration/ Rear side 0mm /Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.622 W/kg

SAR(1 g) = 0.306 W/kg ; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.479 W/kg



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**Test Laboratory: LCS-SAR Lab****WIFI 5.8G 802.11n 165CH Rear side 0mm****DUT: Obook reader; Type: OBOOK 5; Serial: A241127003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.237 \text{ S/m}$; $\epsilon_r = 36.82$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2024/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Rear side 0mm /Area Scan (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.491 W/kg

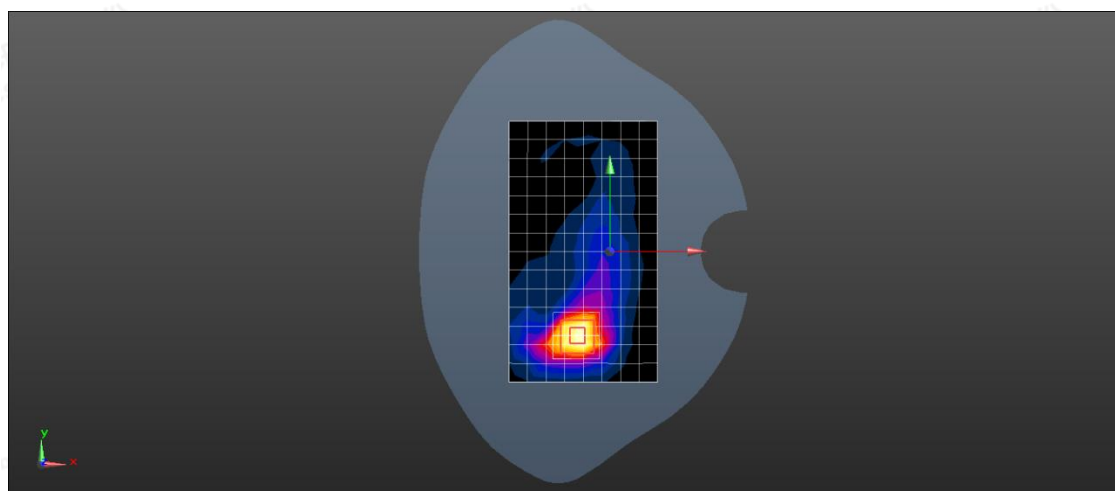
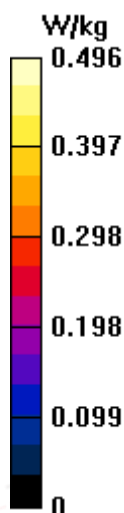
Configuration/ Rear side 0mm /Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.496 W/kg



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Test Laboratory: LCS-SAR Lab

BT 3-DH5 39CH Rear side 0mm

DUT: Obook reader; Type: OBOOK 5; Serial: A241127003-1

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 39.621$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.88, 4.88, 4.88); Calibrated: 2024/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Rear side 0mm /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

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

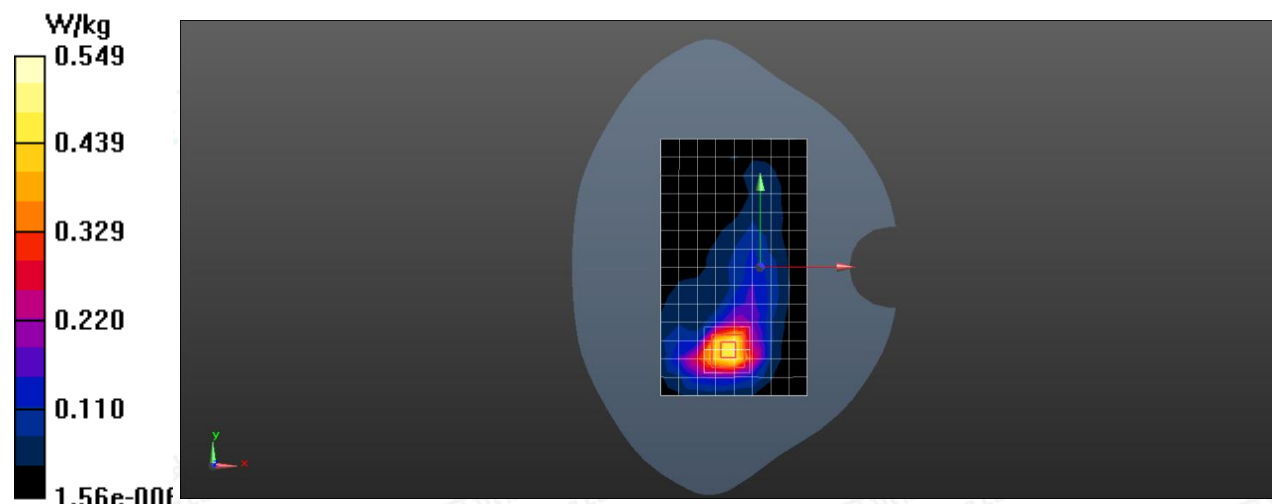
Configuration/Unnamed procedure/Zoom Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Reference Value = 0.419 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



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