



Appendix B

Detailed Test Results

1. WIFI
WIFI 5.2GHz for Body
WIFI 5.3GHz for Body





Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11ax160 50CH Body Front side 0mm Ant 1

DUT: Wireless Scanning Module; Type: FREEBox-S ; Serial: A250711051-1

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5250 MHz; Duty Cycle: 1:1.908

Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.719 \text{ S/m}$; $\epsilon_r = 36.642$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.651 W/kg

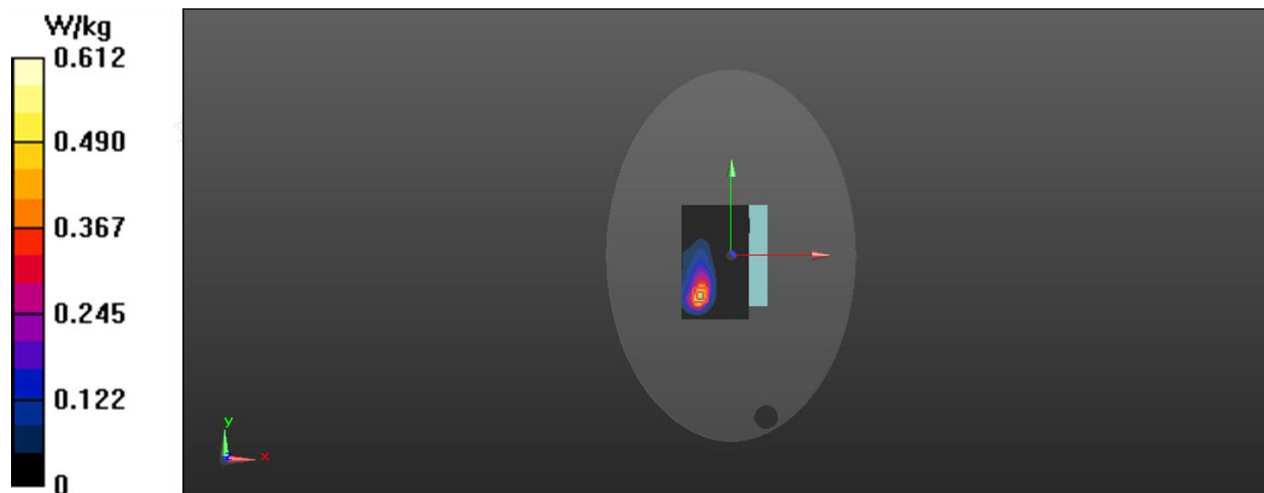
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 7.568 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.167 W/kg

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





Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11ac160 50CH Body Front side 0mm Ant 2

DUT: Wireless Scanning Module; Type: FREEBox-S ; Serial: A250711051-1

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5250 MHz; Duty Cycle: 1:1.889

Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.719 \text{ S/m}$; $\epsilon_r = 36.642$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

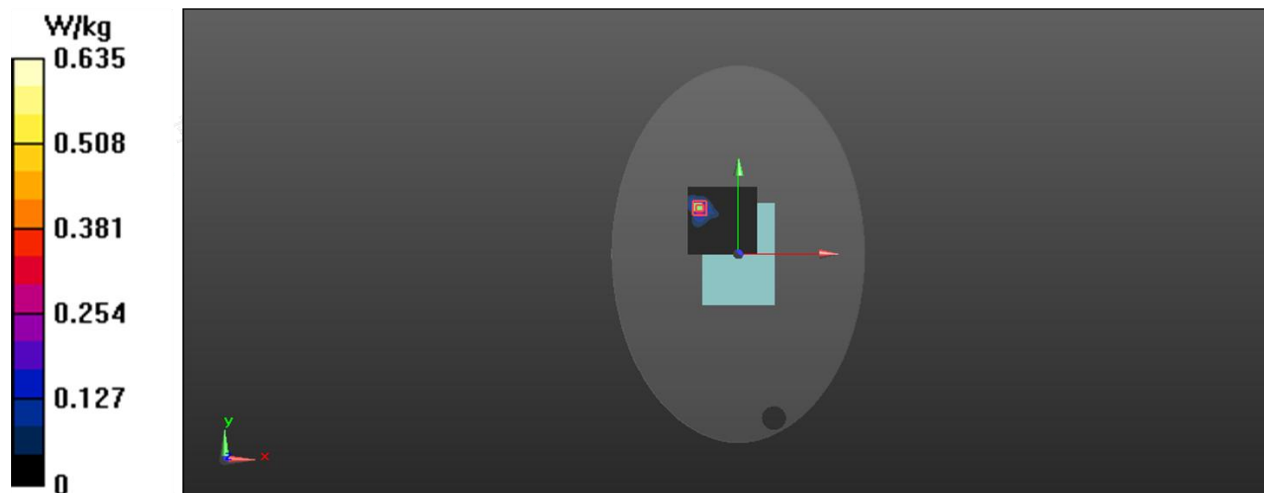
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 8.436 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.187 W/kg

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





Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11a 64CH Body Front side 0mm Ant 1

DUT: Wireless Scanning Module; Type: FREEBox-S ; Serial: A250711051-1

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.024

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.735$ S/m; $\epsilon_r = 36.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.746 W/kg

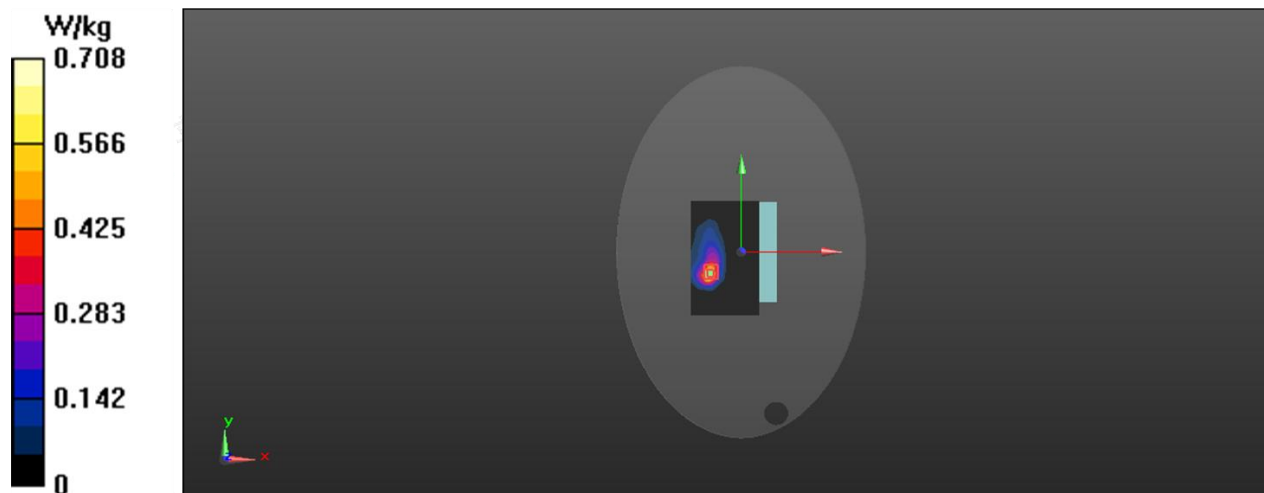
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.634 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.958 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.708 W/kg



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Scan code to check authenticity



Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11a 64CH Body Front side 0mm Ant 2

DUT: Wireless Scanning Module; Type: FREEBox-S ; Serial: A250711051-1

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.024

Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.735 \text{ S/m}$; $\epsilon_r = 36.692$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.797 W/kg

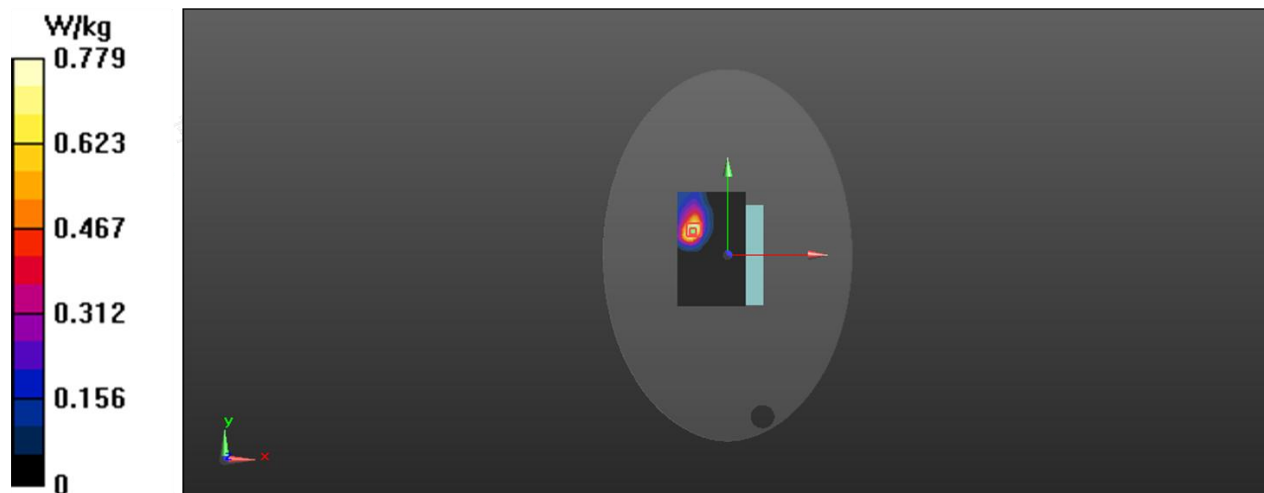
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 10.54 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 0.779 W/kg



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