



# Appendix B

## Detailed Test Results

1. WIFI
WIFI 2.4GHz for Body
WIFI 5.2GHz for Body
WIFI 5.3GHz for Body
WIFI 5.5GHz for Body
WIFI 5.8GHz for Body



Date: 2024/1/29

Test Laboratory: LCS-SAR Lab

**WIFI 2.4G 802.11b 6CH Rear side 0mm-ANT1****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.757$  S/m;  $\epsilon_r = 39.392$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (9x14x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.861 W/kg

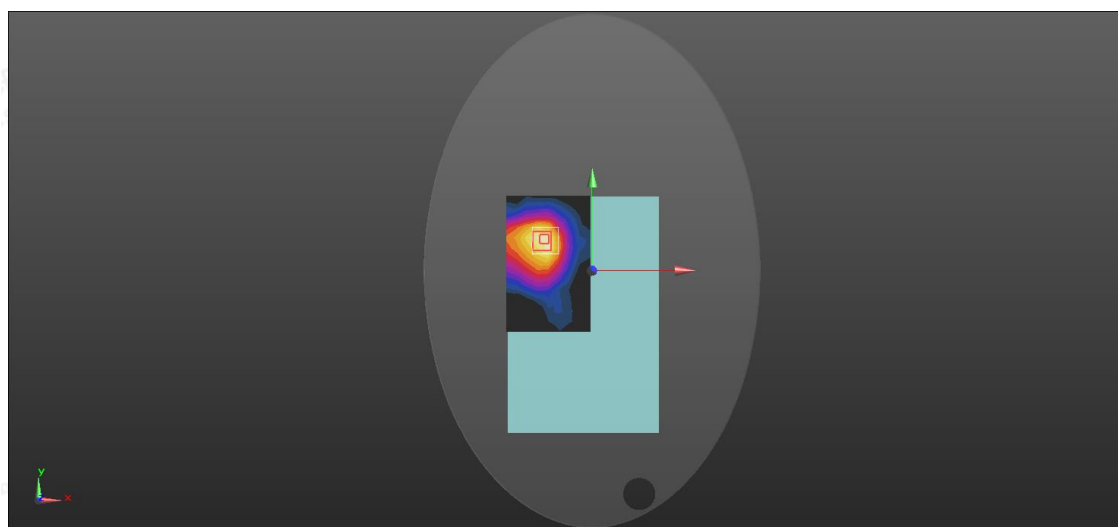
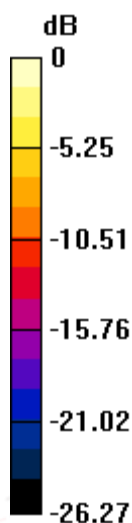
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.179 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.299 W/kg**

Maximum value of SAR (measured) = 0.967 W/kg



0 dB = 0.967 W/kg = -0.15 dBW/kg



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Date: 2024/1/29

Test Laboratory: LCS-SAR Lab

**WIFI 2.4G 802.11b 6CH Top side 0mm-ANT2****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.757$  S/m;  $\epsilon_r = 39.392$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (9x14x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.574 W/kg

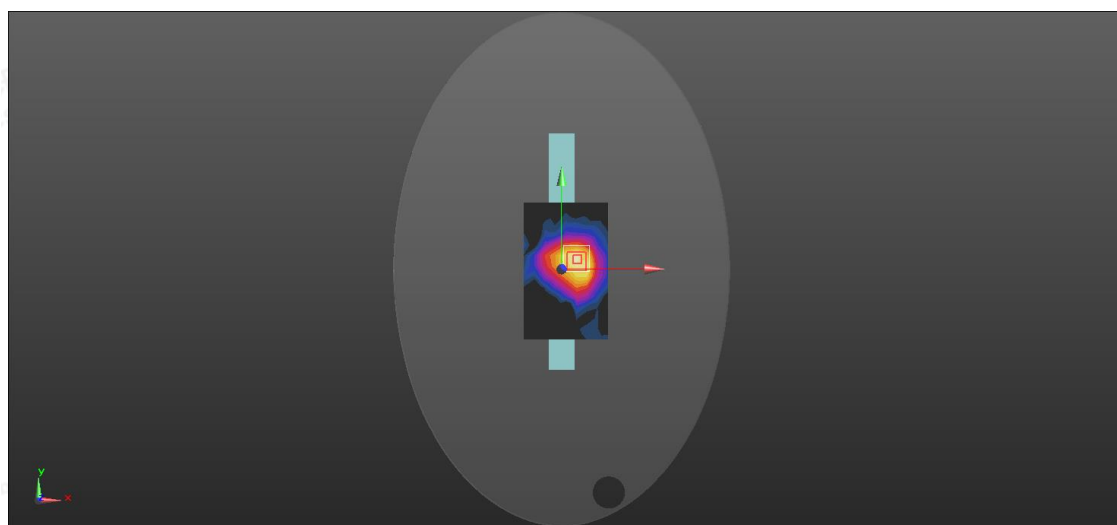
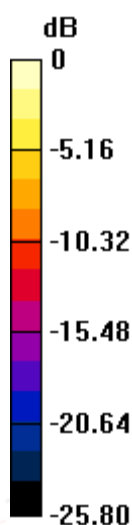
**Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.110 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.930 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg



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Date: 2024/1/25

Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11a 48CH Top side 0mm****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5240 MHz; Duty Cycle: 1:1.032

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 4.643 \text{ S/m}$ ;  $\epsilon_r = 35.904$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

## DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (10x16x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) = 0.477 W/kg

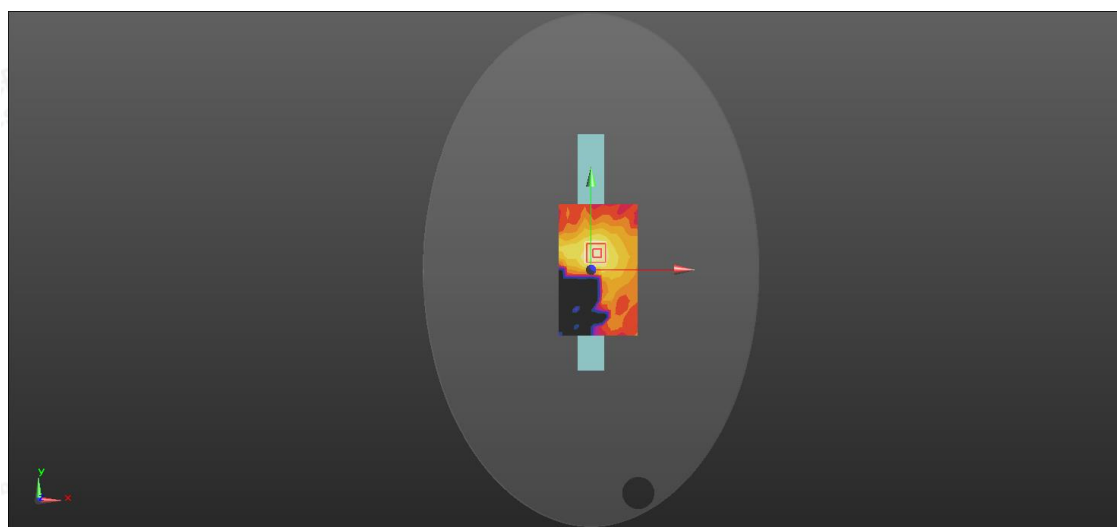
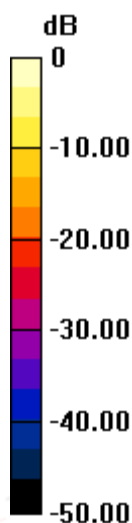
**Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ 

Reference Value = 1.352 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.100 W/kg**

Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg = -2.32 dBW/kg



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Date: 2024/1/25

Test Laboratory: LCS-SAR Lab

**WIFI 5.3G 802.11a 64CH Top side 0mm****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.032

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 4.762 \text{ S/m}$ ;  $\epsilon_r = 36.19$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

## DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (10x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.417 W/kg

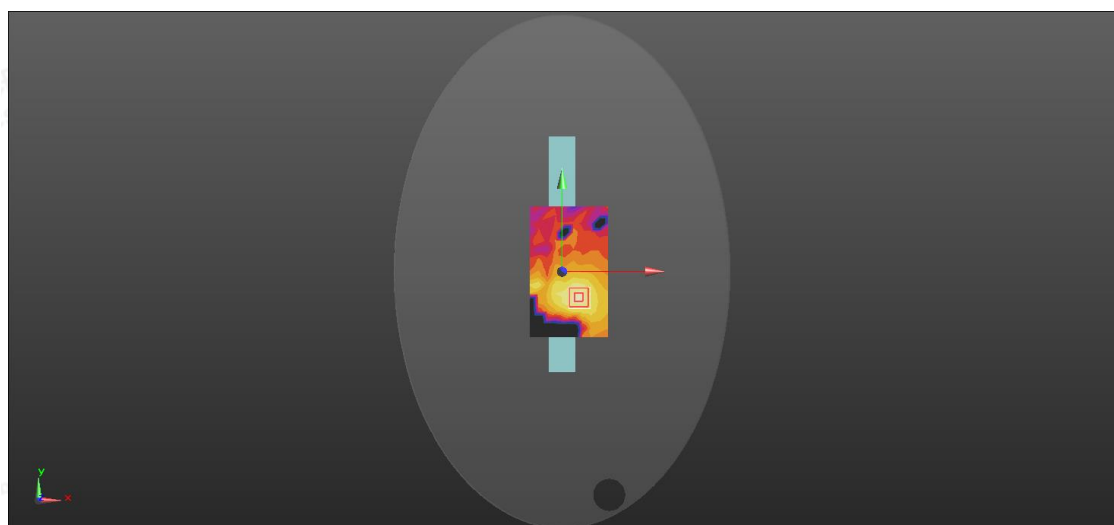
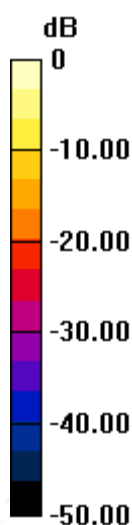
**Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.230 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.661 W/kg



0 dB = 0.661 W/kg = -1.80 dBW/kg



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Date: 2024/1/26

Test Laboratory: LCS-SAR Lab

**WIFI 5.5G 802.11a 116CH Top side 0mm****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5580 MHz; Duty Cycle: 1:1.045

Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.135$  S/m;  $\epsilon_r = 35.248$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.75, 4.75, 4.75); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (10x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.531 W/kg

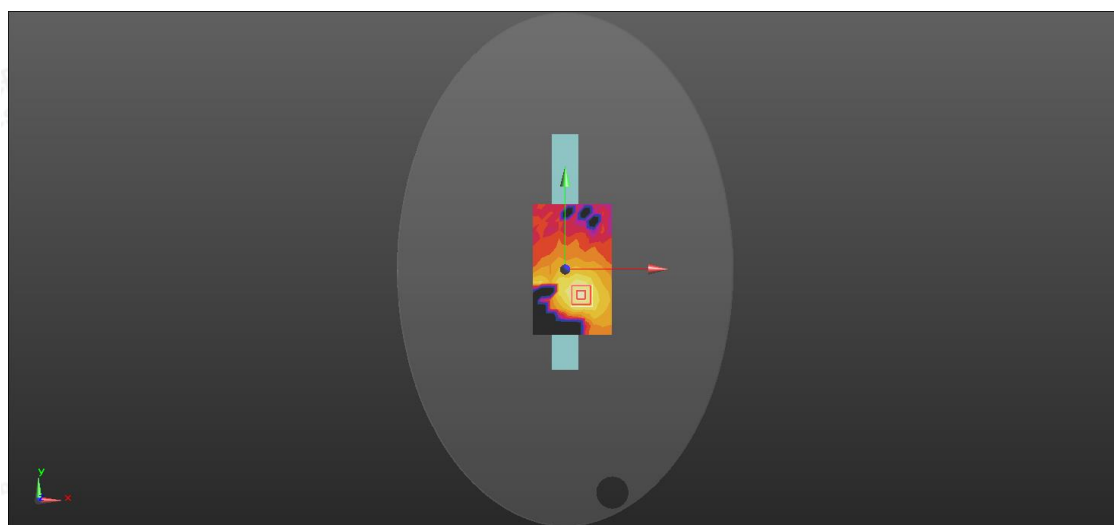
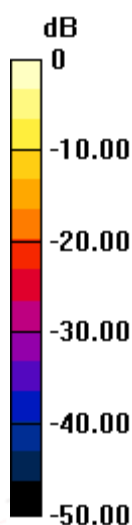
**Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.581 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 1.93 W/kg

**SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.927 W/kg



0 dB = 0.927 W/kg = -0.33 dBW/kg



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Date: 2024/1/26

Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11a 165CH Top side 0mm****DUT: P805; Type: Smart Diagnostic System; Serial: A240109003-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5825 MHz; Duty Cycle: 1:1.032

Medium parameters used:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.235 \text{ S/m}$ ;  $\epsilon_r = 34.819$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

## DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.88, 4.88, 4.88); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Unnamed procedure/Area Scan (10x16x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.518 W/kg

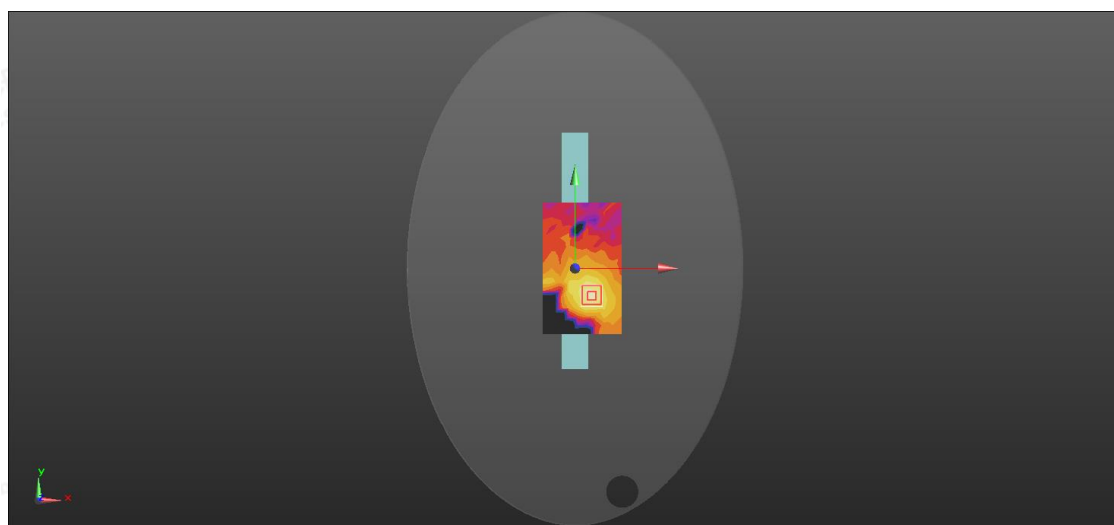
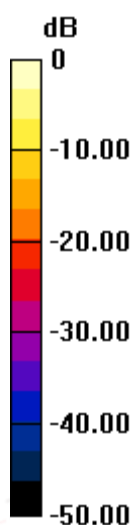
**Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.063 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.126 W/kg**

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



0 dB = 0.931 W/kg = -0.31 dBW/kg



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