



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: 2024/7/23

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 11CH Rear side 0mm**DUT: Smart Diagnostic System; Type: P701; Serial: A240711105-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2462 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 39.666$; $\rho = 1000$ kg/m³

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 (11x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.524 W/kg

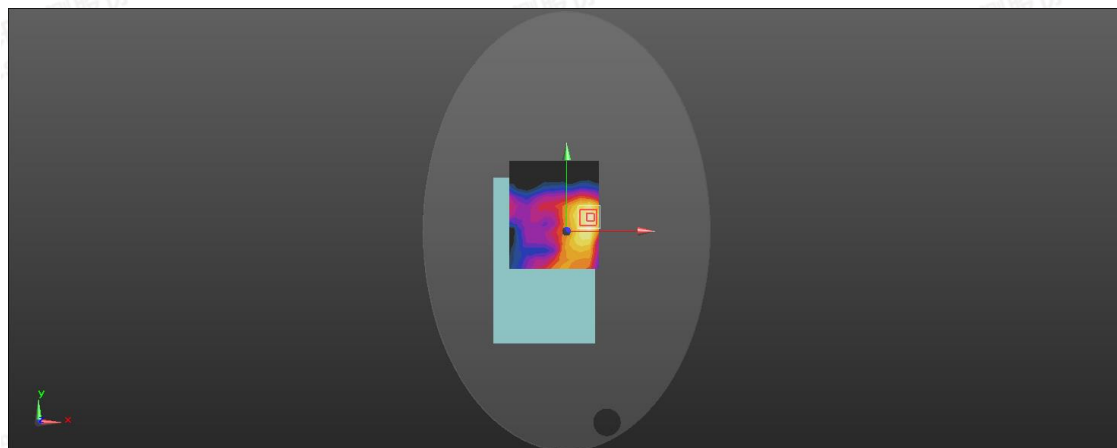
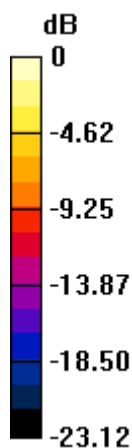
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.541 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.511 W/kg



Date: 2024/8/2

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 48CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: P701; Serial: A240711105-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5240 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.745$ S/m; $\epsilon_r = 35.621$; $\rho = 1000$ kg/m³

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 (12x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.521 W/kg

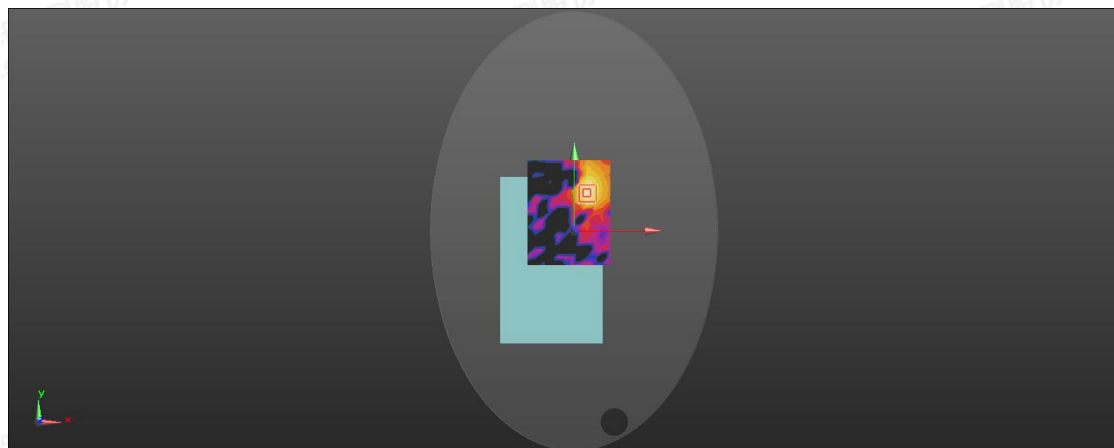
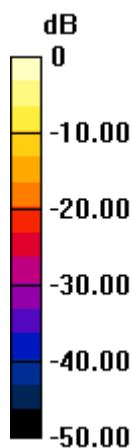
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.352 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.536 W/kg



Date: 2024/8/2

Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11a 64CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: P701; Serial: A240711105-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.796$ S/m; $\epsilon_r = 36.215$; $\rho = 1000$ kg/m³

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 (12x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.524 W/kg

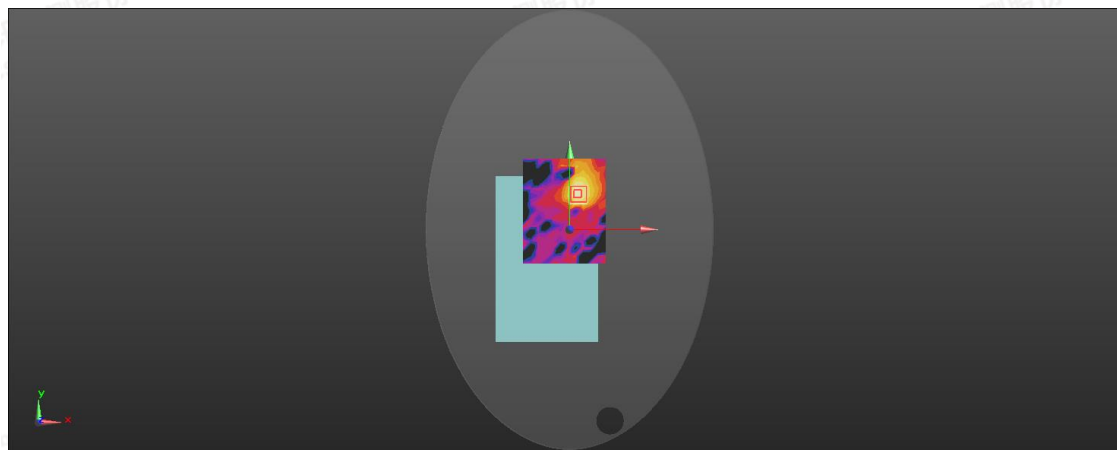
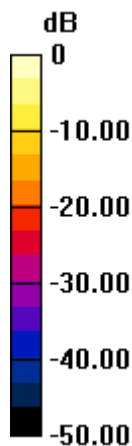
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6874 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.514 W/kg



Date: 2024/8/2

Test Laboratory: LCS-SAR Lab

WIFI 5.5G 802.11a 116CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: P701; Serial: A240711105-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5580 MHz; Duty Cycle: 1:1.057

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.252$ S/m; $\epsilon_r = 35.487$; $\rho = 1000$ kg/m³

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 (12x15x1): Measurement grid: dx=10mm, dy=10mm

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

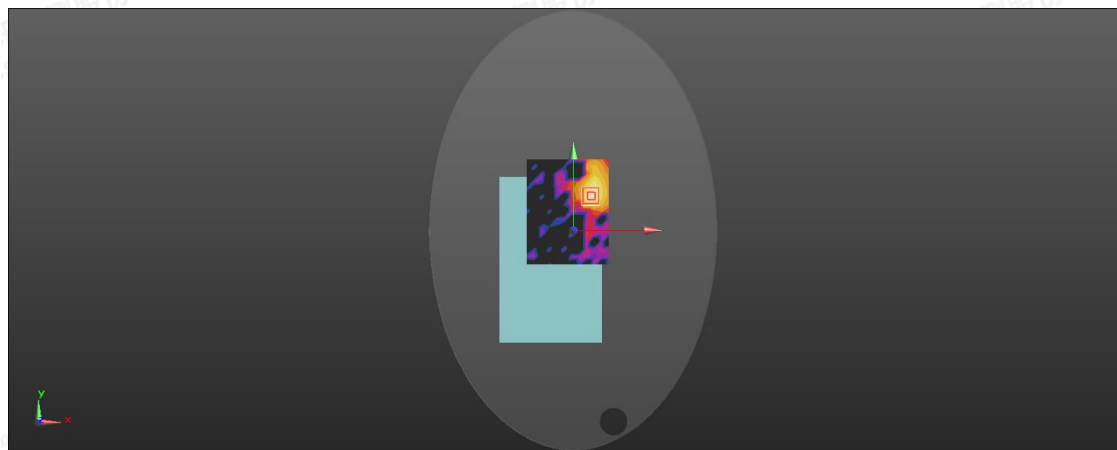
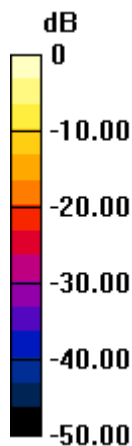
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9856 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.341 W/kg

Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg = -1.30 dBW/kg



Date: 2024/8/2

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 157CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: P701; Serial: A240711105-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5785 MHz; Duty Cycle: 1:1.057

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.365 \text{ S/m}$; $\epsilon_r = 35.674$; $\rho = 1000 \text{ kg/m}^3$

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 (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.911 W/kg

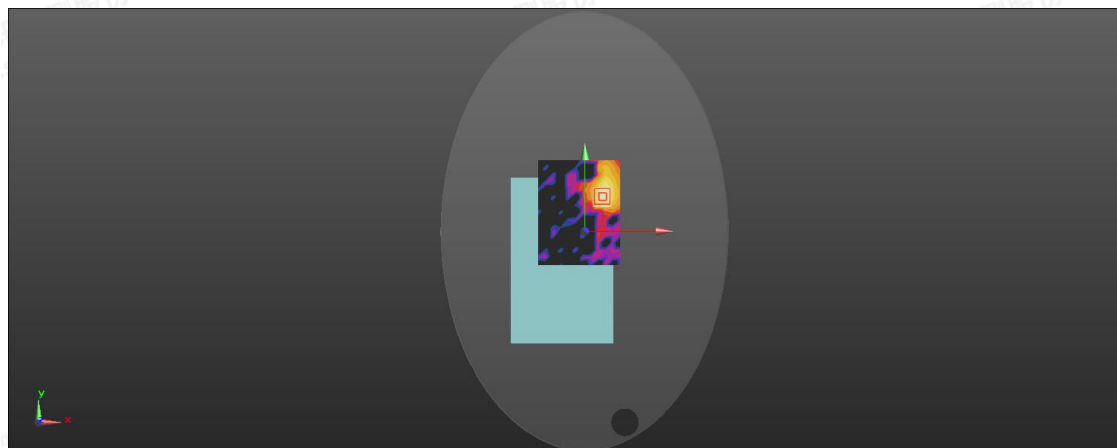
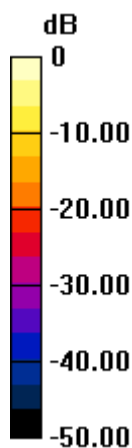
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.9451 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.929 W/kg = -0.32 dBW/kg

