



Appendix B

Temperature:	23.5°C
Relative Humidity:	52.6%
ATM Pressure:	100.0kPa
Test Engineer:	Bob Yang
Supervised by:	Nick Peng

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: 2024/7/1

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 6CH Rear side 0mm**DUT: Smart Diagnostic System; Type: F510; Serial: A240628133-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz; Duty Cycle: 1:1.008

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.768 \text{ S/m}$; $\epsilon_r = 38.874$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.932 W/kg

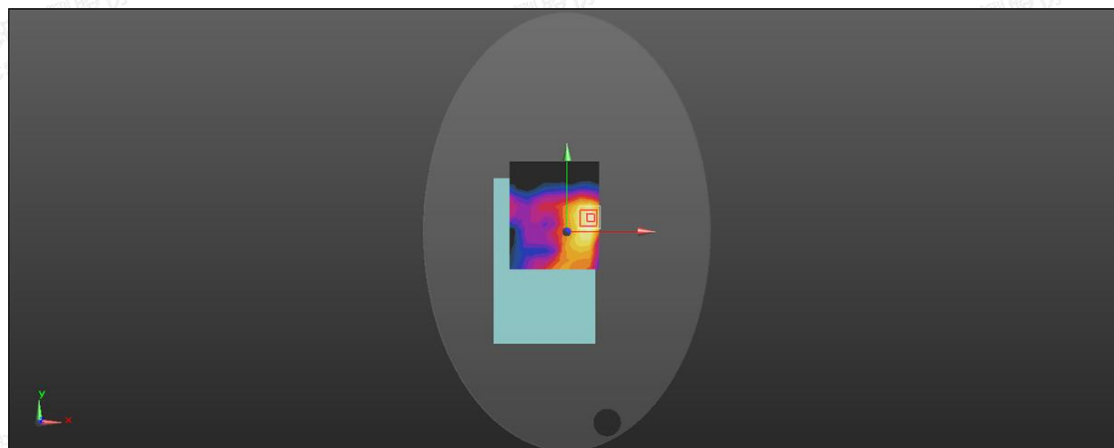
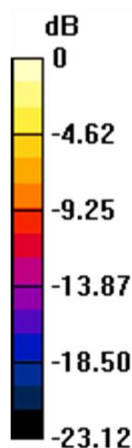
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.698 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.321 W/kg

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



0 dB = 0.918 W/kg = -0.37 dBW/kg





Date: 2024/7/16

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 40CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: F510; Serial: A240628133-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5200 MHz; Duty Cycle: 1:1.051

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.644 \text{ S/m}$; $\epsilon_r = 35.984$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 0.666 W/kg

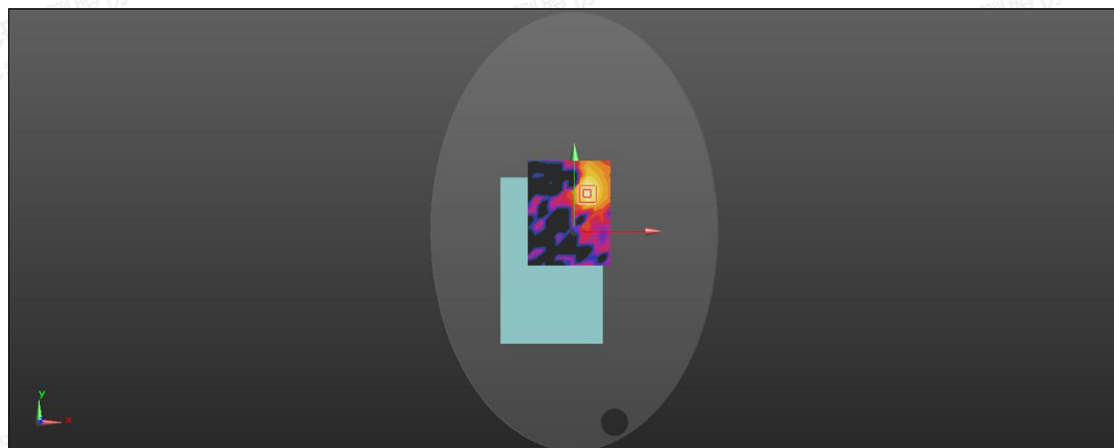
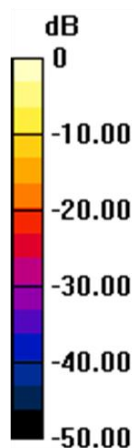
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.679 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg



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Scan code to check authenticity



Date: 2024/7/16

Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11a 64CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: F510; Serial: A240628133-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1.057

Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.773 \text{ S/m}$; $\epsilon_r = 36.193$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 0.898 W/kg

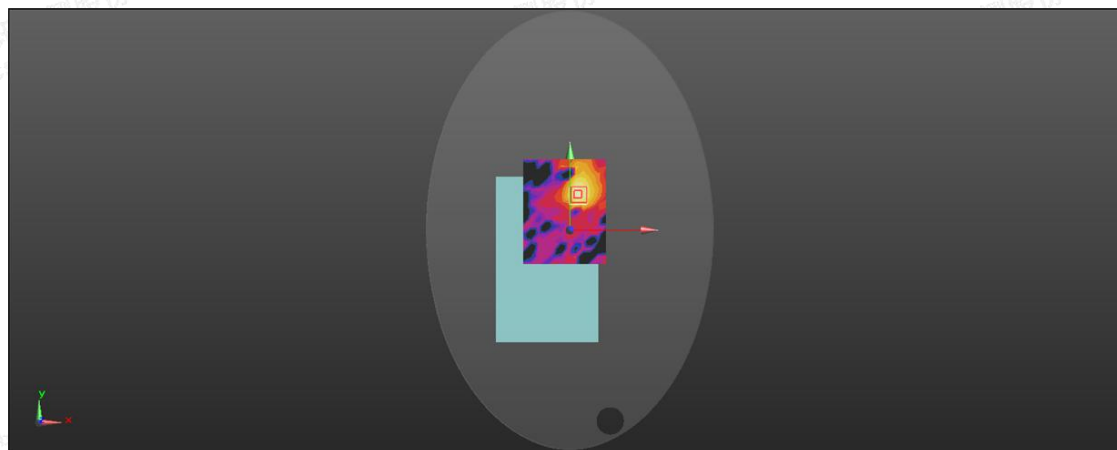
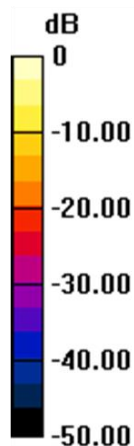
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.3754 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.914 W/kg = -0.39 dBW/kg



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Date: 2024/7/16

Test Laboratory: LCS-SAR Lab

WIFI 5.5G 802.11a 100CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: F510; Serial: A240628133-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5500 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.908$ S/m; $\epsilon_r = 35.292$; $\rho = 1000$ 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) = 0.885 W/kg

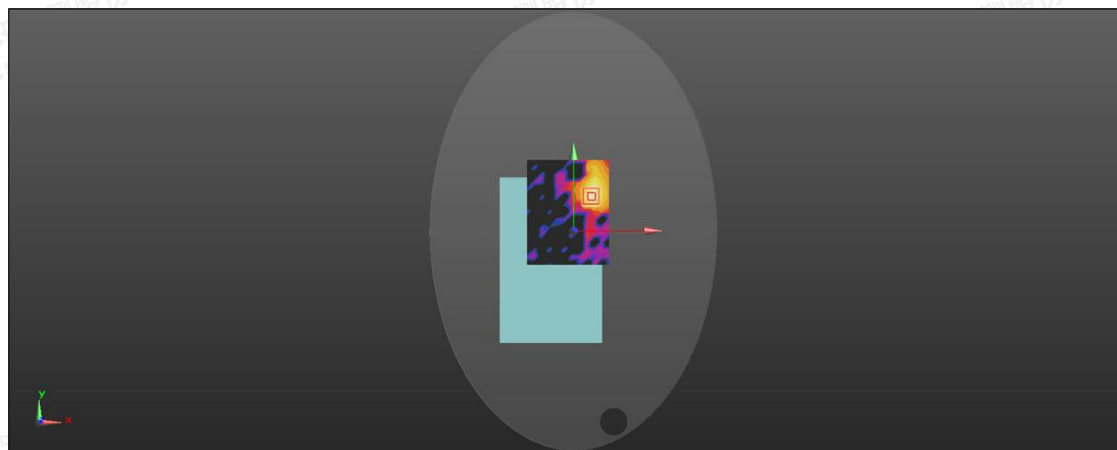
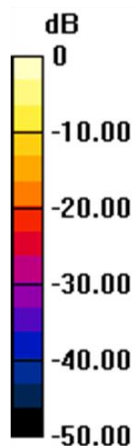
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.4111 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.148 W/kg

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



0 dB = 0.911 W/kg = -0.40 dBW/kg



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Date: 2024/7/16

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 165CH Body Rear 0mm**DUT: Smart Diagnostic System; Type: F510; Serial: A240628133-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5825 MHz; Duty Cycle: 1:1.530

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.247 \text{ S/m}$; $\epsilon_r = 35.415$; $\rho = 1000 \text{ kg/m}^3$

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) = 0.945 W/kg

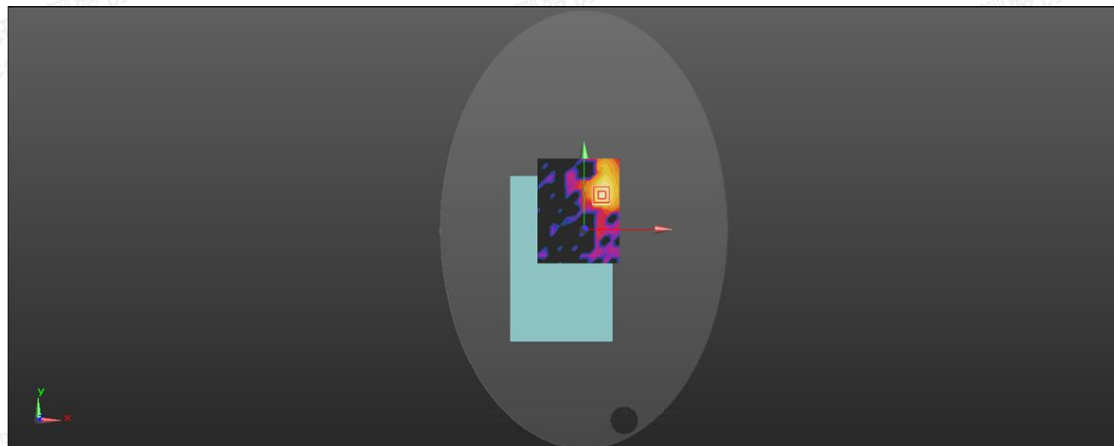
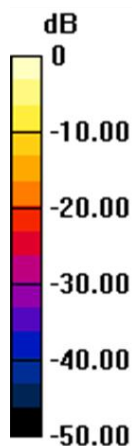
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.4365 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.924 W/kg



0 dB = 0.924 W/kg = -0.34 dBW/kg

