



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



Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 01CH Rear side 0mm Ant0

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

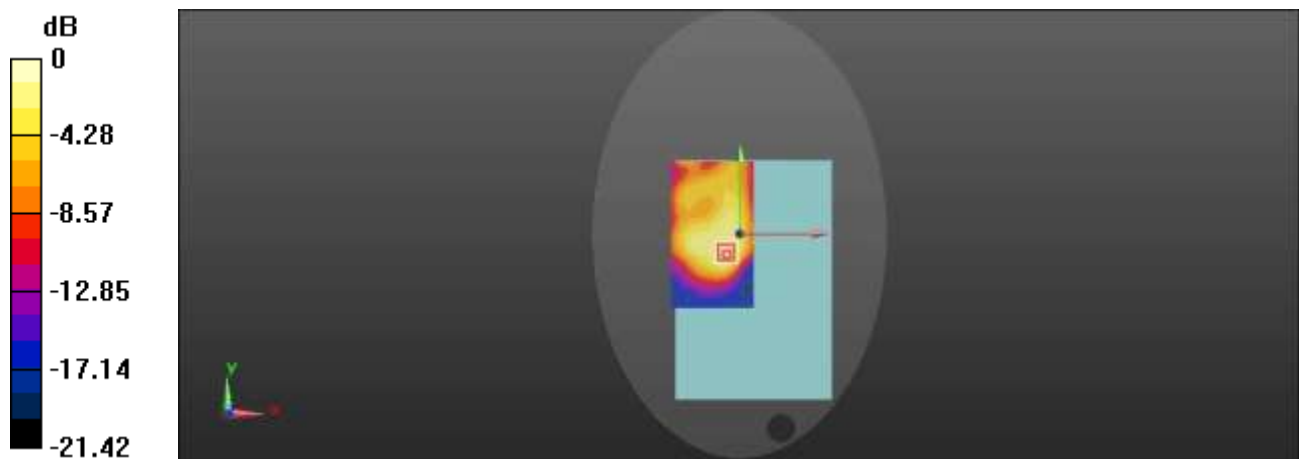
Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1.007
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 39.502$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.194 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.023 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.308 W/kg
SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 06CH Rear side 0mm Ant1

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

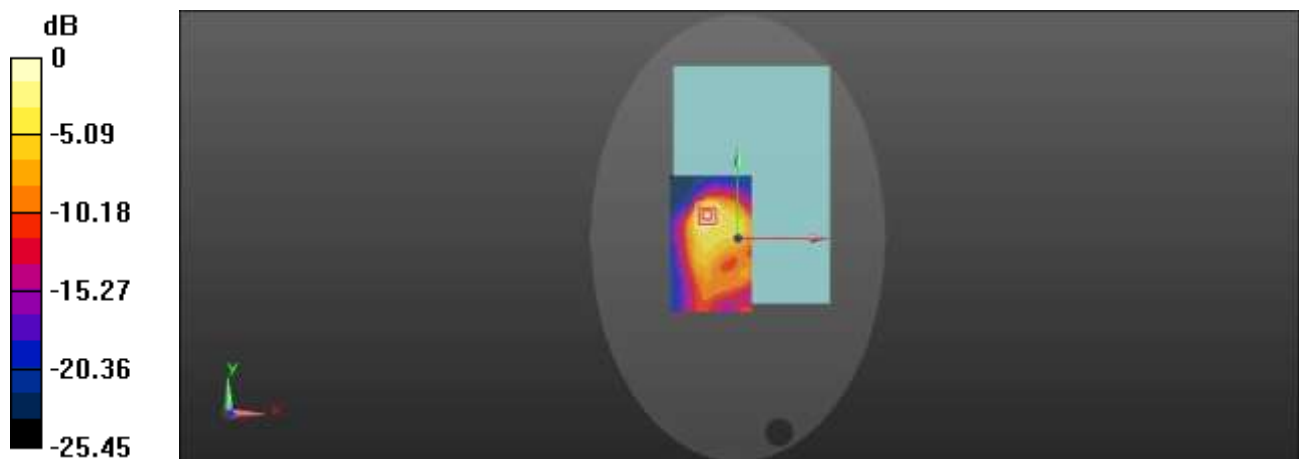
Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.007
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.817$ S/m; $\epsilon_r = 39.279$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.175 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.084 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.061 W/kg
Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg = -7.28 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11n20 36CH Rear side 0mm

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5180 MHz;Duty Cycle: 1:1.053

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.595 \text{ S/m}$; $\epsilon_r = 35.878$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.202 W/kg

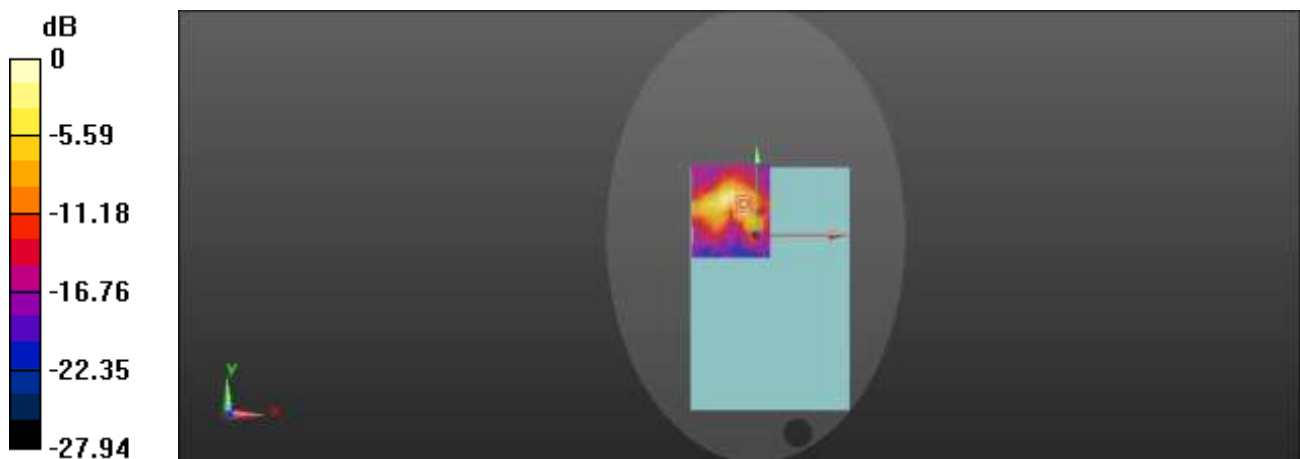
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.071 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.241 W/kg = -6.18 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11n20 52CH Rear side 0mm

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

Communication System: UID 0, WI-FI(5.3GHz) (0); Frequency: 5260 MHz;Duty Cycle: 1:1.053

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.616$ S/m; $\epsilon_r = 35.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.216 W/kg

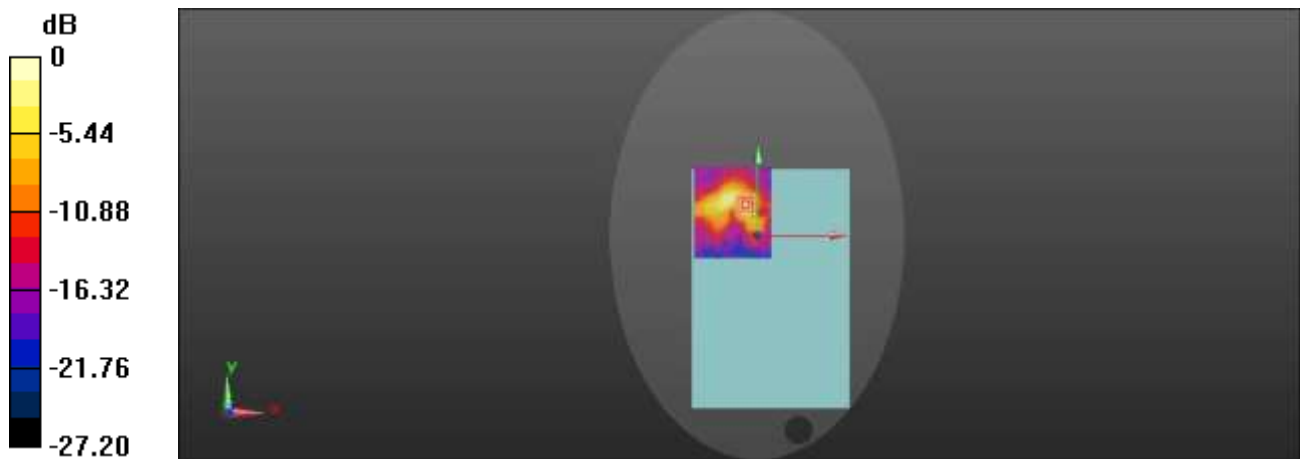
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.680 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.5G 802.11n20 100CH Rear side 0mm

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

Communication System: UID 0, WI-FI(5.6GHz) (0); Frequency: 5500 MHz;Duty Cycle: 1:1.053

Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 5.119 \text{ S/m}$; $\epsilon_r = 34.716$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.86, 4.86, 4.86); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.286 W/kg

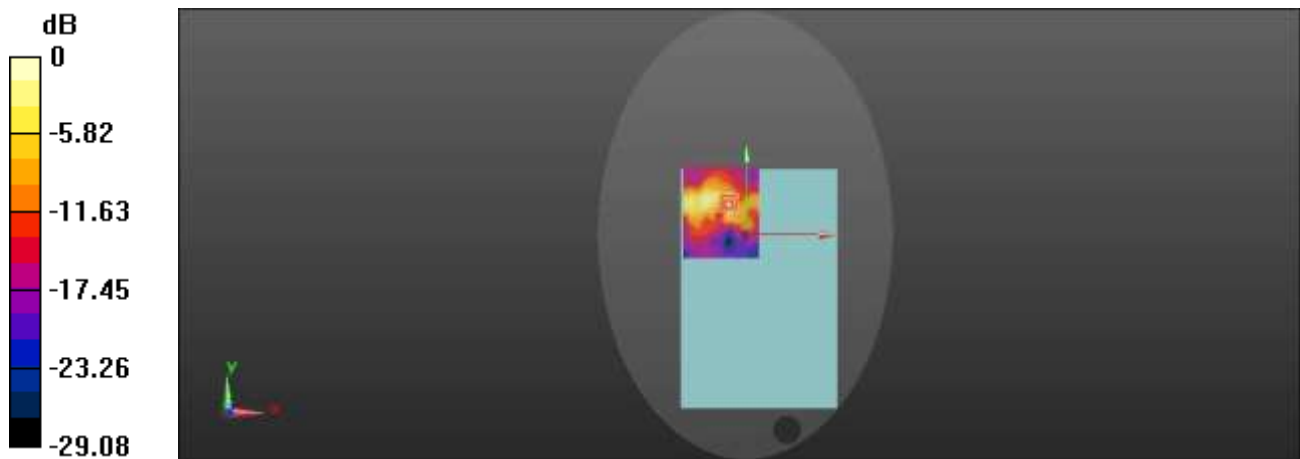
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.026 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.938 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg = -5.24 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11ac20 149CH Rear side 0mm

DUT: Smart Diagnostic System; Type: P902; Serial: A062823063-1

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5745 MHz;Duty Cycle: 1:1.052

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.359 \text{ S/m}$; $\epsilon_r = 34.952$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.96, 4.96, 4.96); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: ELI v5.0; Type: ELI; Serial: 2010
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.292 W/kg

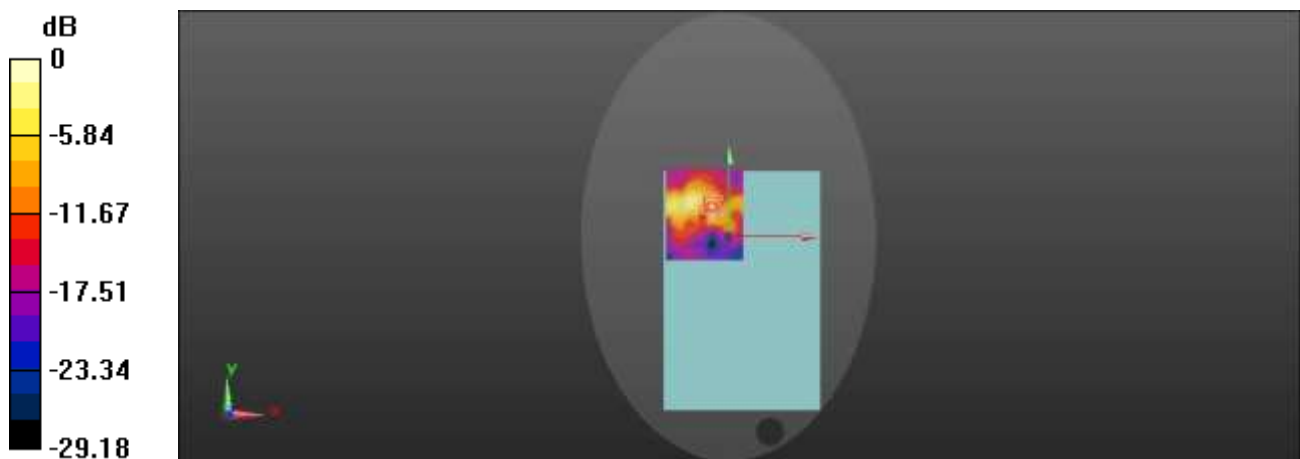
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.020 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

