



Appendix B

Detailed Test Results

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



Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11n 11CH Rear side 0mm Ant0

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.034

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.812 \text{ S/m}$; $\epsilon_r = 39.16$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 0.186 W/kg

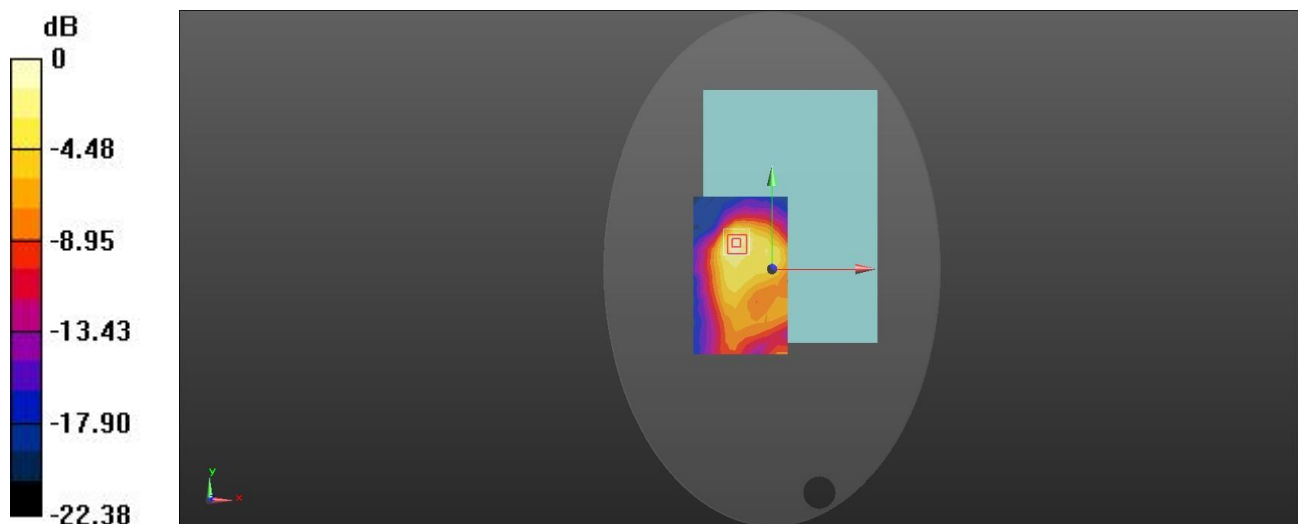
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.805 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.419 W/kg ; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.208 W/kg



0 dB = 0.208 W/kg = -6.82 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 1CH Rear side 0mm Ant1

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1.008

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.787 \text{ S/m}$; $\epsilon_r = 39.324$; $\rho = 1000 \text{ kg/m}^3$

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 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 (10x11x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.264 W/kg

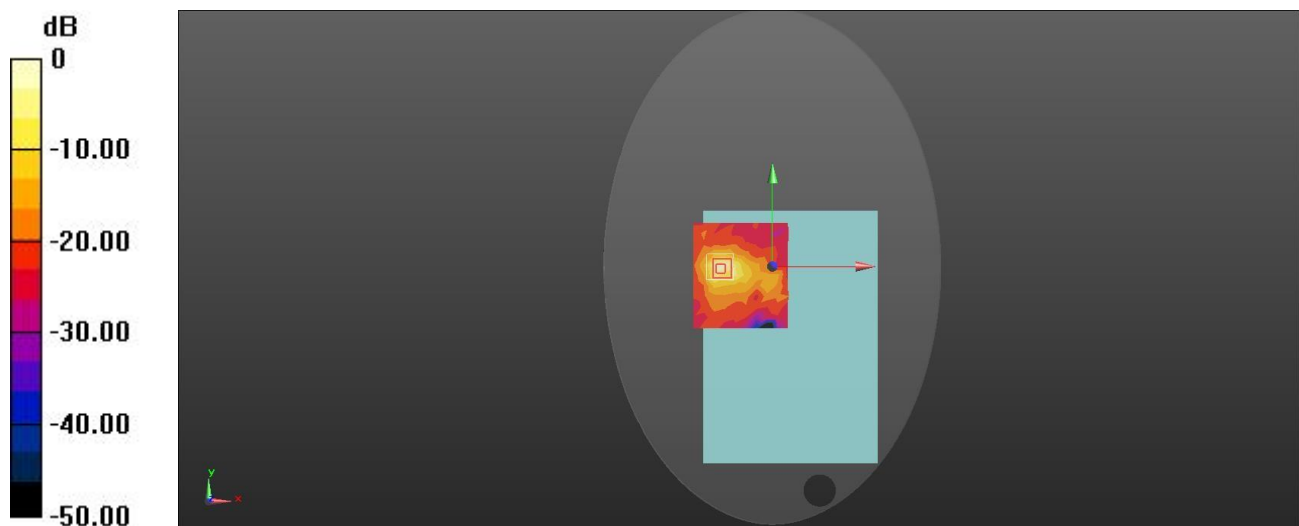
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.106 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.202 W/kg ; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



$0 \text{ dB} = 0.323 \text{ W/kg} = -4.91 \text{ dBW/kg}$



Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11ac80 42CH Rear side 0mm Ant0

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5210 MHz;Duty Cycle: 1:1.135

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.797 \text{ S/m}$; $\epsilon_r = 37.047$; $\rho = 1000 \text{ kg/m}^3$

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 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 (12x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.222 W/kg

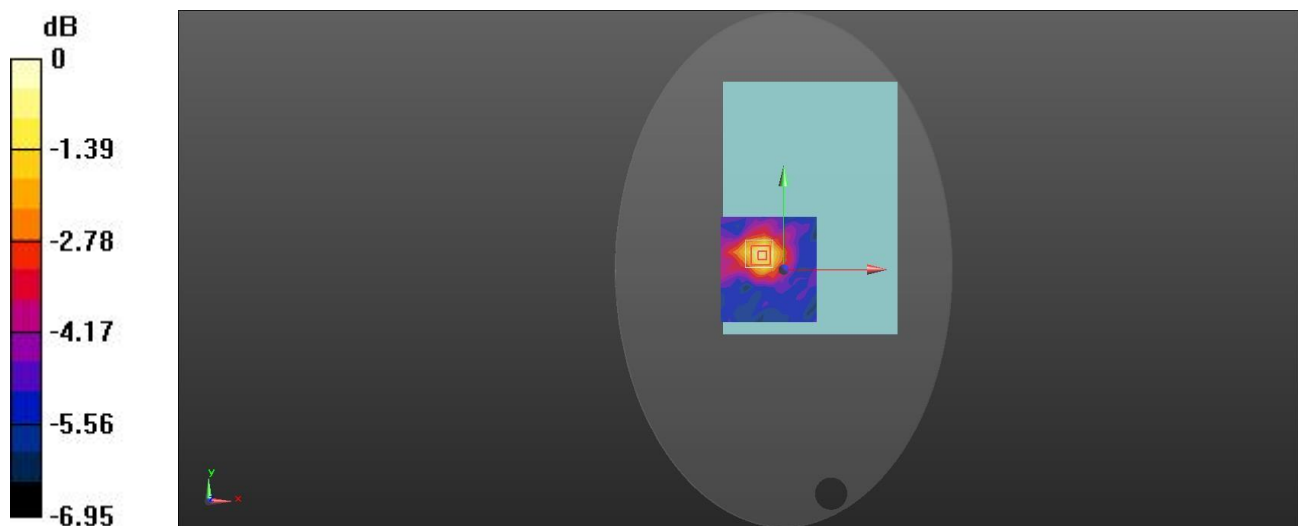
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 5.138 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.341 W/kg ; SAR(10 g) = 0.172 W/kg

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



$0 \text{ dB} = 0.254 \text{ W/kg} = -5.95 \text{ dBW/kg}$



Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 36CH Rear side 0mm Ant1

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5180 MHz;Duty Cycle: 1:1.058

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.875 \text{ S/m}$; $\epsilon_r = 36.985$; $\rho = 1000 \text{ kg/m}^3$

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 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) = 0.225 W/kg

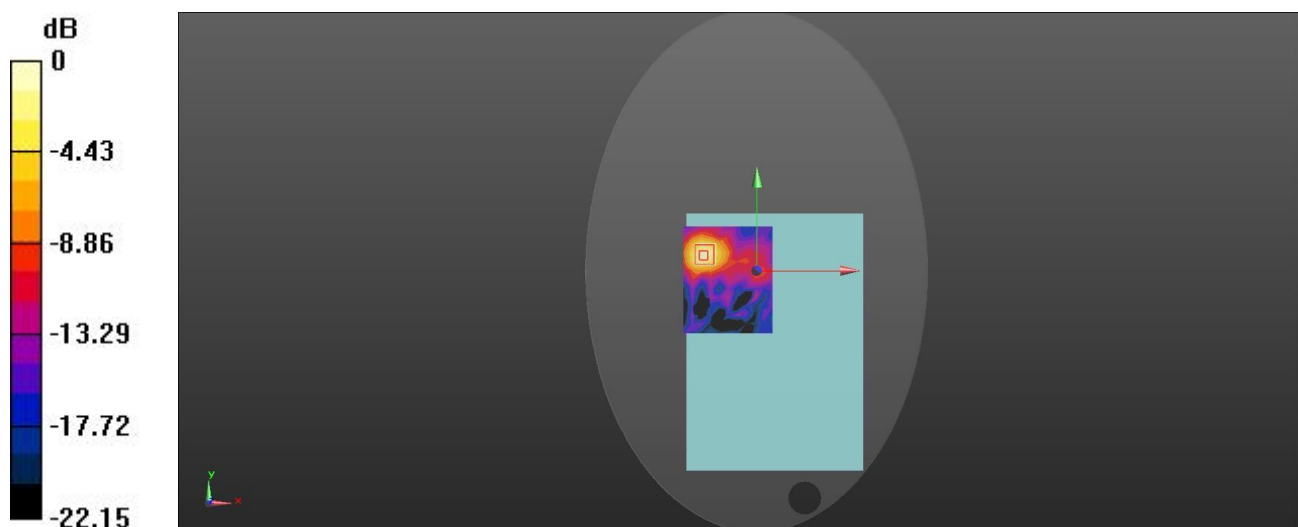
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.735 V/m ; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.286 W/kg ; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 149CH Rear side 0mm Ant0

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5745 MHz;Duty Cycle: 1:1.032

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.405 \text{ S/m}$; $\epsilon_r = 35.442$; $\rho = 1000 \text{ kg/m}^3$

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 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 (12x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.158 W/kg

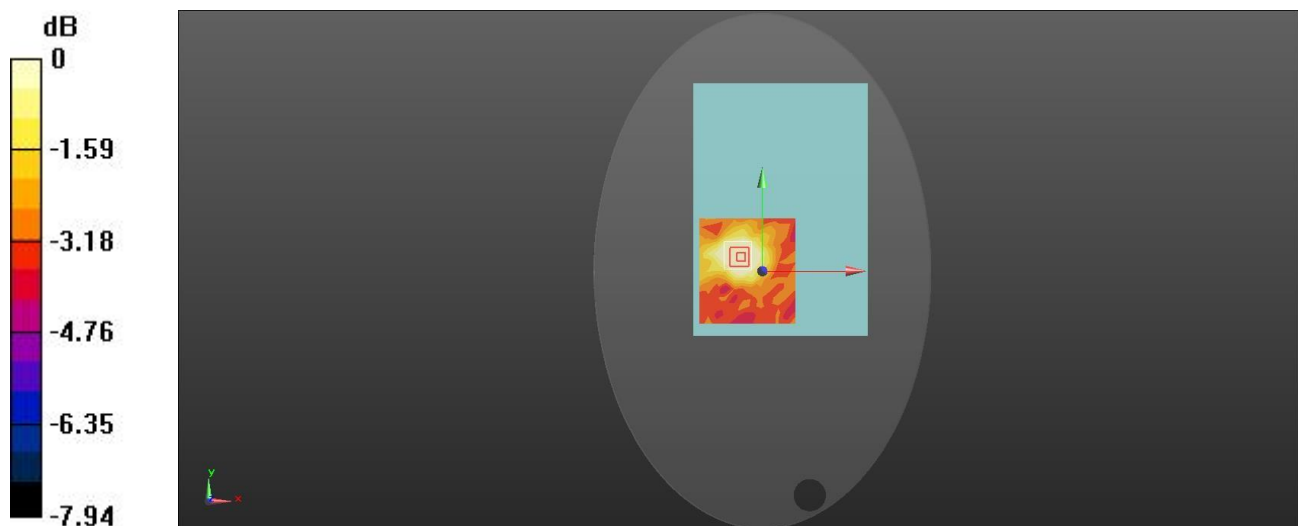
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 5.062 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.299 W/kg ; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg



Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 157CH Rear side 0mm Ant1

DUT: Notebook computer; Type: ViosBook; Serial: A08283163-1

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5785 MHz; Duty Cycle: 1:1.058

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.115 \text{ S/m}$; $\epsilon_r = 35.857$; $\rho = 1000 \text{ kg/m}^3$

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 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) = 0.141 W/kg

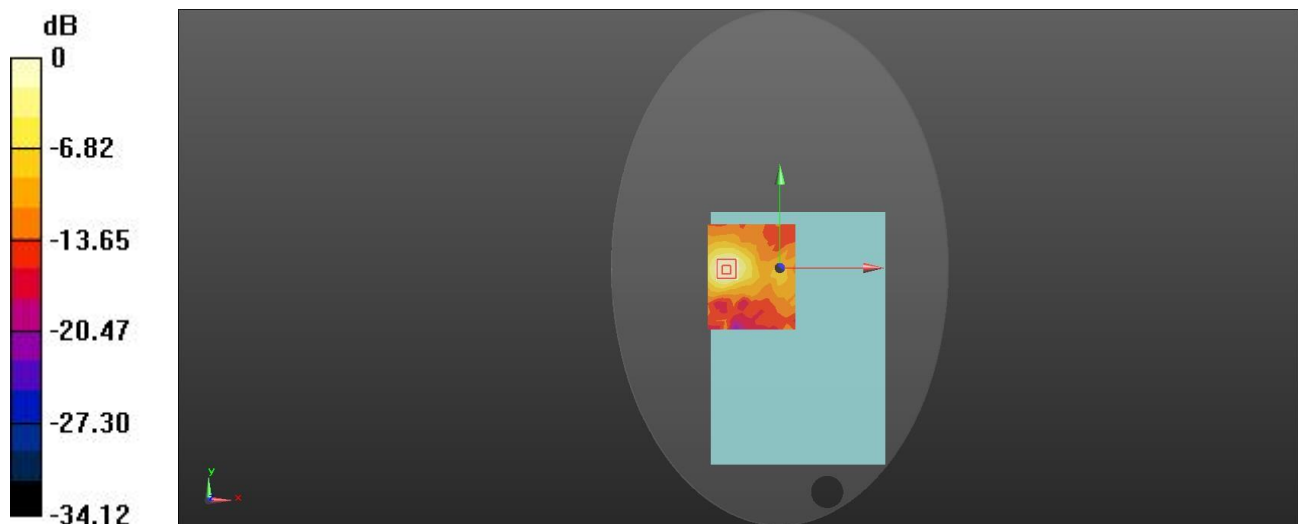
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.105 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.254 W/kg ; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



$0 \text{ dB} = 0.158 \text{ W/kg} = -8.01 \text{ dBW/kg}$

