

Appendix B:SAR Measurement results Plots

Table of contents
2.4G WiFi Ant1
2.4G WiFi Ant2
5.2G WiFi Ant1
5.2G WiFi Ant2
5.8G WiFi Ant1
5.8G WiFi Ant2

Test Laboratory: CTI SAR Lab

WiFi 802.11b 11CH Top Side 0mm Ant1**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.878$ S/m; $\epsilon_r = 38.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(7.7, 7.7, 7.7); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.138 W/kg

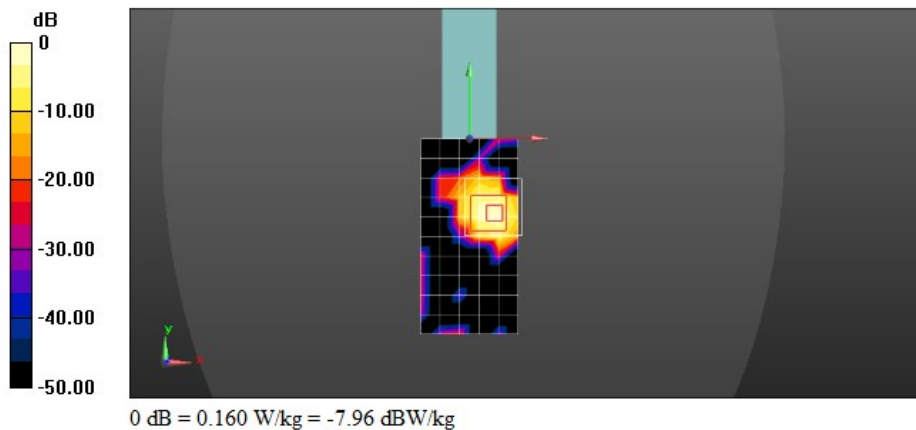
Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 1CH Top Side 0mm Ant2**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 37.702$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(7.7, 7.7, 7.7); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0933 W/kg

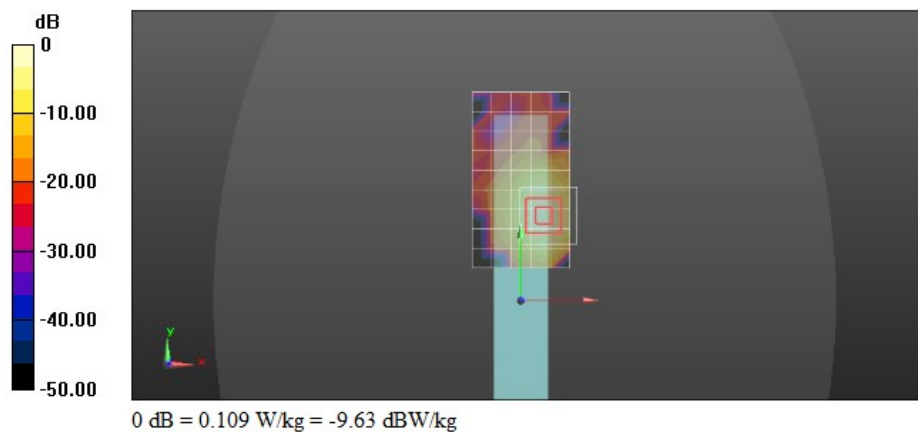
Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.109 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 48CH Top Side 0mm Ant1**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.2G; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.819$ S/m; $\epsilon_r = 34.264$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(5.35, 5.35, 5.35); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.35 W/kg

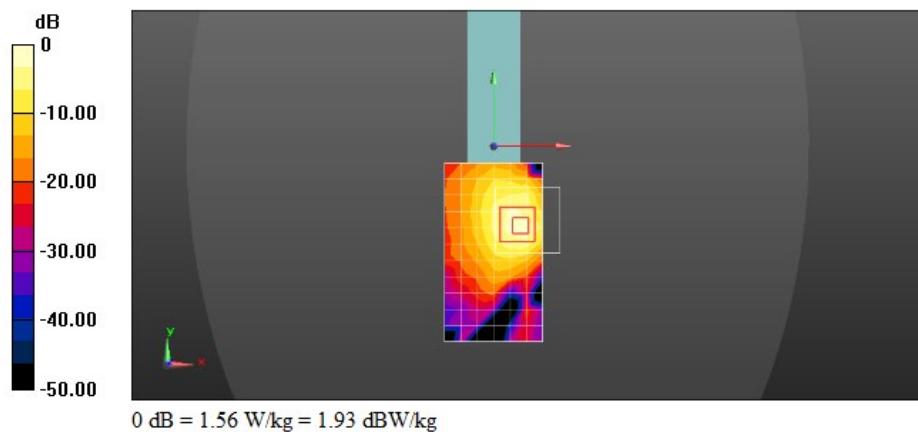
Configuration/Body/Zoom Scan (11x11x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.9280 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 48CH Top Side 0mm Ant2**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.2G; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.79$ S/m; $\epsilon_r = 34.231$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(5.35, 5.35, 5.35); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.267 W/kg

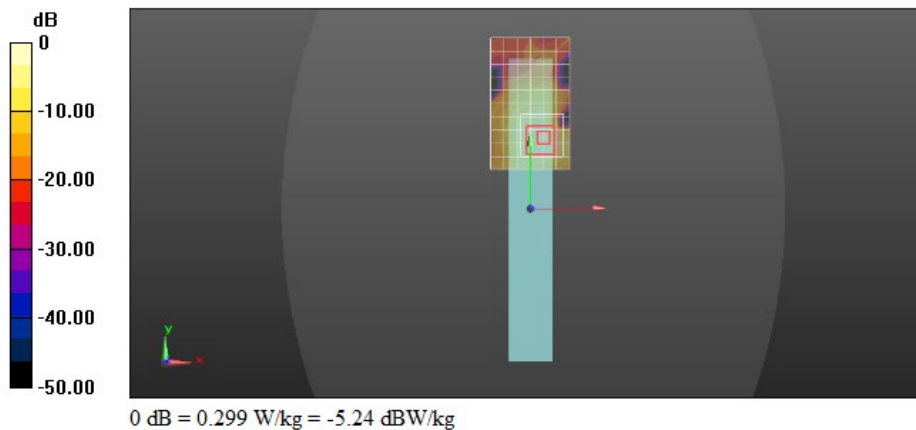
Configuration/Body/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.429 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.048 W/kg

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



Test Laboratory: CTI SAR Lab

WiFi 802.11a 149CH Top Side 0mm Ant1**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.28$ S/m; $\epsilon_r = 33.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(4.85, 4.85, 4.85); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.53 W/kg

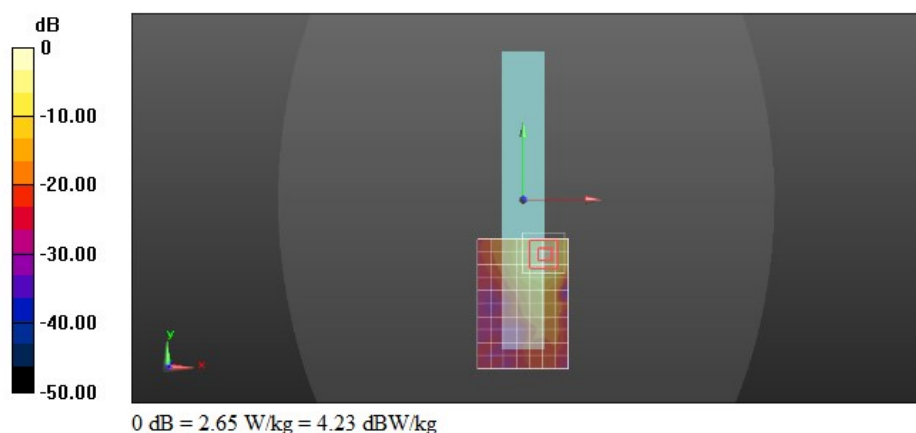
Configuration/Body/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 2.65 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 149CH Top Side 0mm Ant1 Repeated**DUT: Personal Communications Tablet ; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.28 \text{ S/m}$; $\epsilon_r = 33.959$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(4.85, 4.85, 4.85); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.56 W/kg

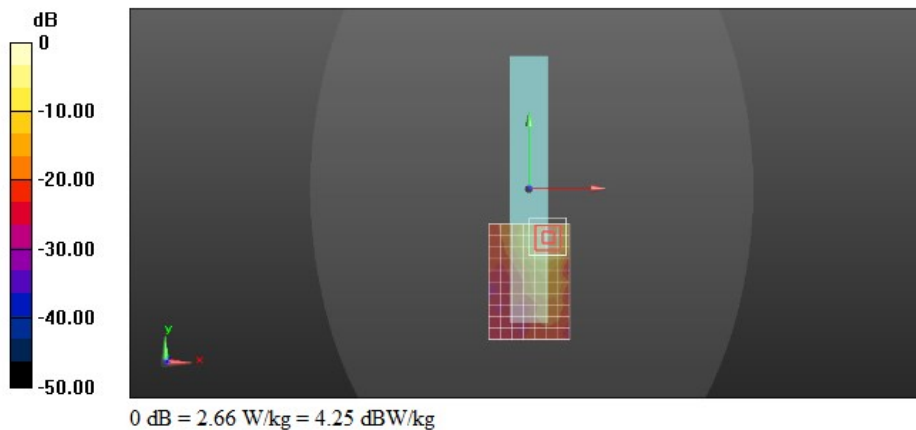
Configuration/Body/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.952 V/m; Power Drift = 1.57 dB

Peak SAR (extrapolated) = 4.74 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 2.66 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 149CH Top Side 0mm Ant2

DUT: Personal Communications Tablet ; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.206 \text{ S/m}$; $\epsilon_r = 33.937$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(4.85, 4.85, 4.85); Calibrated: 9/20/2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.697 W/kg

Configuration/Body/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.298 V/m ; Power Drift = 0.98 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.322 W/kg ; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.749 W/kg

