

Appendix B:SAR Measurement results Plots

Table of contents
2.4G WiFi Body
5.2G WiFi Body
5.8G WiFi Body

Test Laboratory: CTI SAR Lab

WiFi 802.11b 1CH Front Side 0mm**DUT: 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; $\sigma = 1.819$ S/m; $\epsilon_r = 38.783$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(7.44, 7.44, 7.44); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.954 W/kg

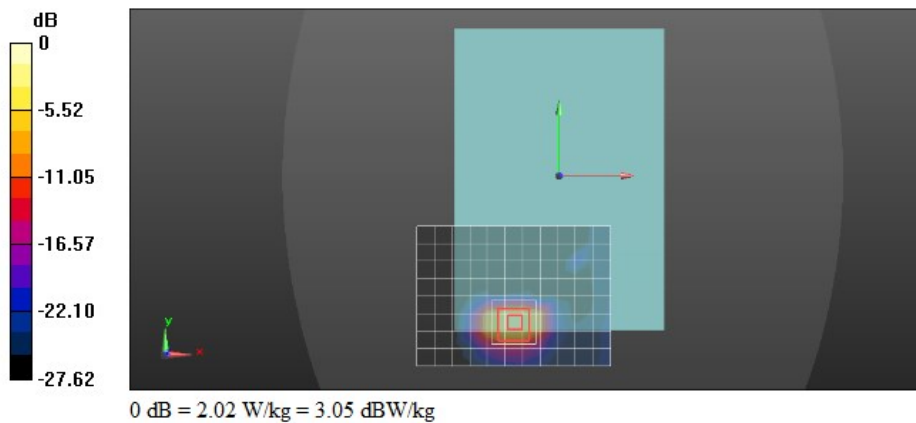
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.5570 V/m; Power Drift = -1.49 dB

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.409 W/kg

Maximum value of SAR (measured) = 2.02 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 6CH Front Side 5mm**DUT: Tablet; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 38.685$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(7.44, 7.44, 7.44); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.881 W/kg

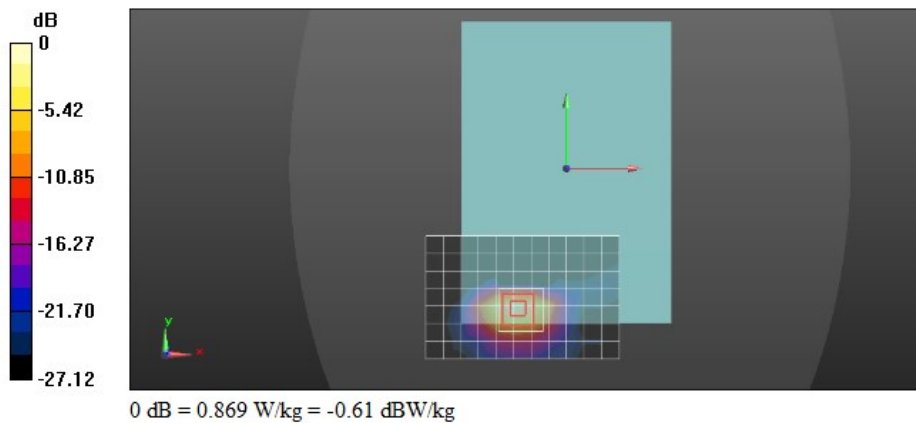
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.869 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 48CH Front Side 0mm**DUT: 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; $\sigma = 4.791$ S/m; $\epsilon_r = 35.697$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(5.2, 5.2, 5.2); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 2.77 W/kg

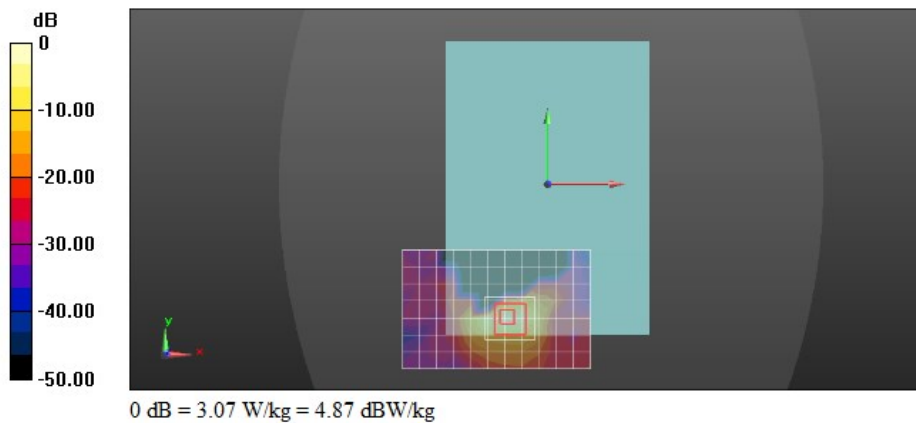
Configuration/Body/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 6.11 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 3.07 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 48CH Front Side 5mm**DUT: 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; $\sigma = 4.791$ S/m; $\epsilon_r = 35.697$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(5.2, 5.2, 5.2); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.55 W/kg

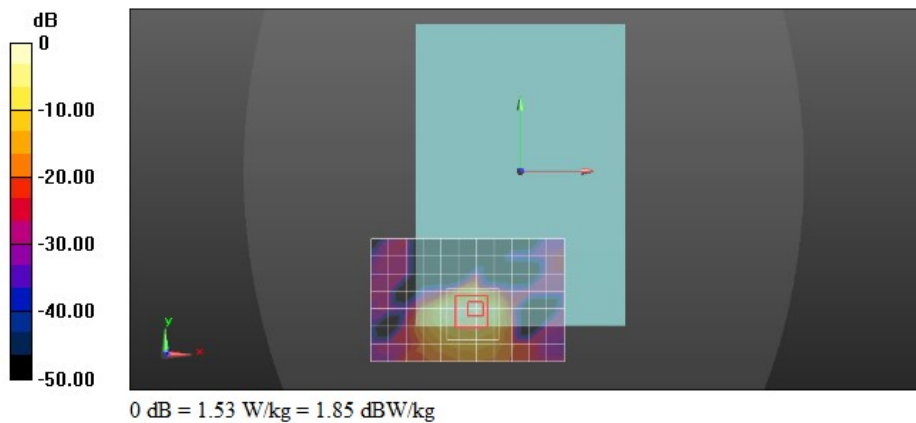
Configuration/Body/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11a 149CH Front Side 0mm**DUT: Tablet; Type: NA; Serial: NA**

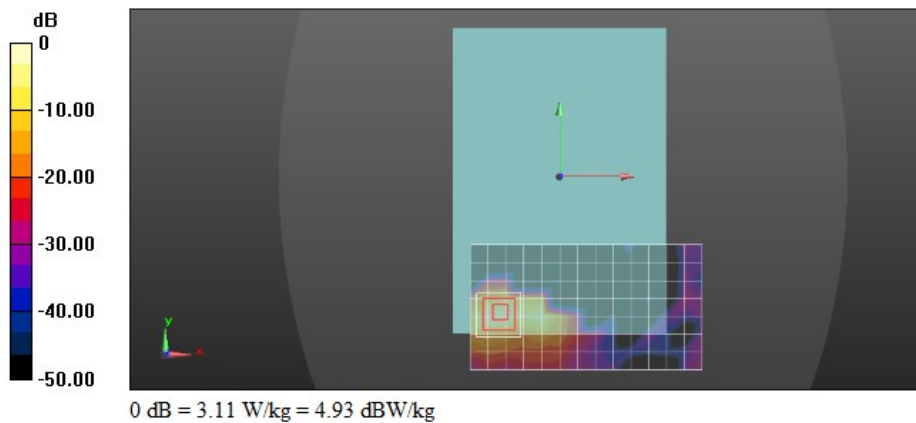
Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.447 \text{ S/m}$; $\epsilon_r = 35.443$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(4.79, 4.79, 4.79); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (14x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 2.08 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 = 10.89 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 7.18 W/kg **SAR(1 g) = 1.21 W/kg ; SAR(10 g) = 0.292 W/kg** Maximum value of SAR (measured) = 3.11 W/kg 

Test Laboratory: CTI SAR Lab

WiFi 802.11a 149CH Front Side 5mm**DUT: 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: $f = 5745 \text{ MHz}$; $\sigma = 5.479 \text{ S/m}$; $\epsilon_r = 35.551$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7591; ConvF(4.79, 4.79, 4.79); Calibrated: 4/16/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (12x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.551 W/kg

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

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

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 1.06 W/kg

