

Appendix B:SAR Measurement results Plots

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2.4G WiFi Antenna rotated
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Test Laboratory: CTI SAR Lab

WiFi 802.11b 6CH Back Side 10mm Antenna rotated

DUT: BABY MONITOR; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2437 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (8x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.62 W/kg

Configuration/Head/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

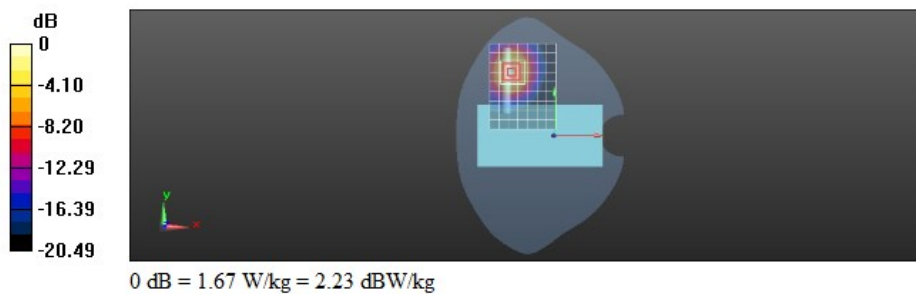
Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.530 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 51%

Maximum value of SAR (measured) = 1.67 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 6CH Back Side 10mm Antenna rotated-Repeated**DUT: BABY MONITOR; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2437 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (8x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

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

Reference Value = 0.5540 V/m; Power Drift = 0.00 dB

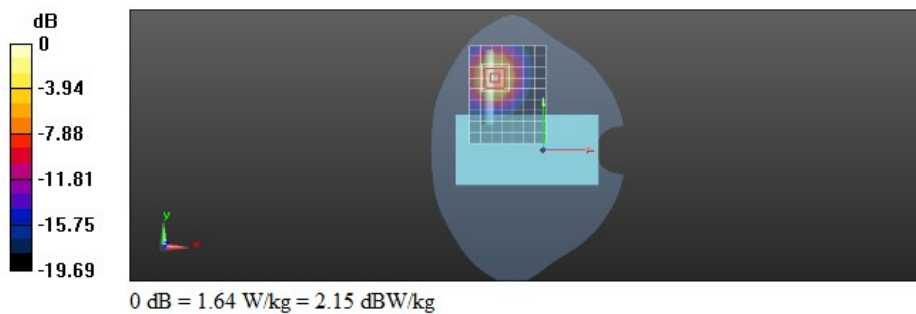
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.523 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 1.64 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 11CH Back Side 10mm Antenna rotated**DUT: BABY MONITOR; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 40.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2462 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (8x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.76 W/kg

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

Reference Value = 1.034 V/m; Power Drift = 0.20 dB

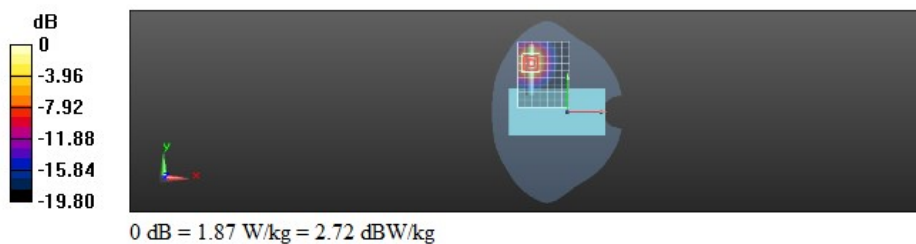
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.586 W/kg

Smallest distance from peaks to all points 3 dB below = 12.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 1.87 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 11CH Back Side 10mm Antenna rotated-Repeated

DUT: BABY MONITOR; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 40.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2462 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (8x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.83 W/kg

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

Reference Value = 1.474 V/m; Power Drift = 0.00 dB

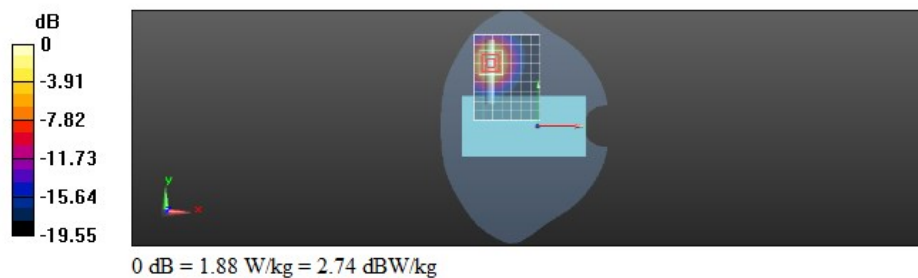
Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.588 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 1.88 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 11CH Back Side 10mm Antenna retracted**DUT: BABY MONITOR; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 40.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2462 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.68 W/kg

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

Reference Value = 2.979 V/m; Power Drift = -0.18 dB

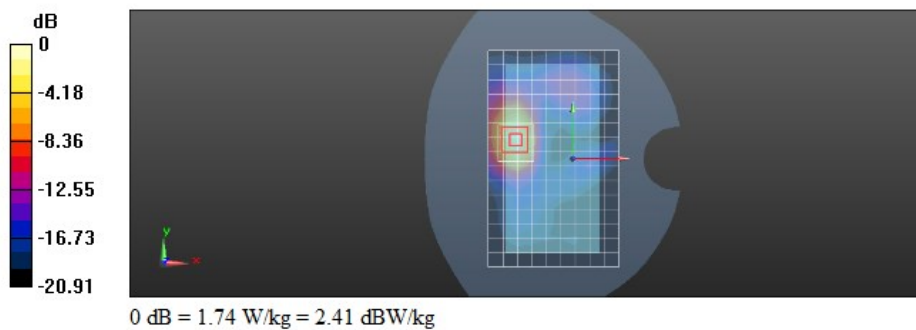
Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.519 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 50.4%

Maximum value of SAR (measured) = 1.74 W/kg



Test Laboratory: CTI SAR Lab

WiFi 802.11b 11CH Back Side 10mm Antenna retracted-Repeated**DUT: BABY MONITOR; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 40.689$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2462 MHz; Calibrated: 4/18/2024
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/23/2024
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.34 W/kg

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

Reference Value = 2.381 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.419 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 1.34 W/kg

