

Appendix B:SAR Measurement results Plots

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Test Laboratory: CTI SAR Lab

WIFI 2.4G 802.11b 1CH Front Side 0mm

DUT: Outdoor Watch; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.751 \text{ S/m}$; $\epsilon_r = 39.33$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(7.72, 7.72 7.72) @ 2412 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.02 W/kg

Configuration/Body/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.75 V/m; Power Drift = 0.06 dB

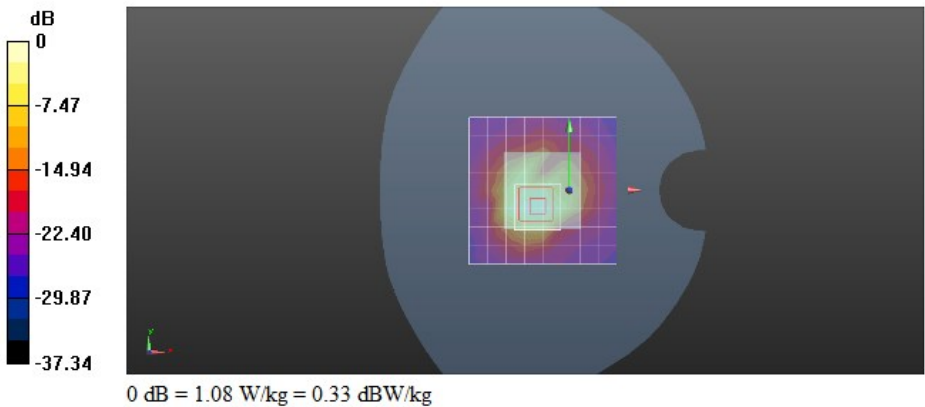
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.303 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

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

Maximum value of SAR (measured) = 1.08 W/kg



Test Laboratory: CTI SAR Lab

WIFI 5G 802.11a 48CH Front Side 0mm**DUT: Outdoor Watch; 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; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.523$ S/m; $\epsilon_r = 36.227$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(5.49, 5.49, 5.49) @ 5240 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 23.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (10x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.46 W/kg

Configuration/Body/Zoom Scan (7x7x6)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 15.19 V/m; Power Drift = -0.04 dB

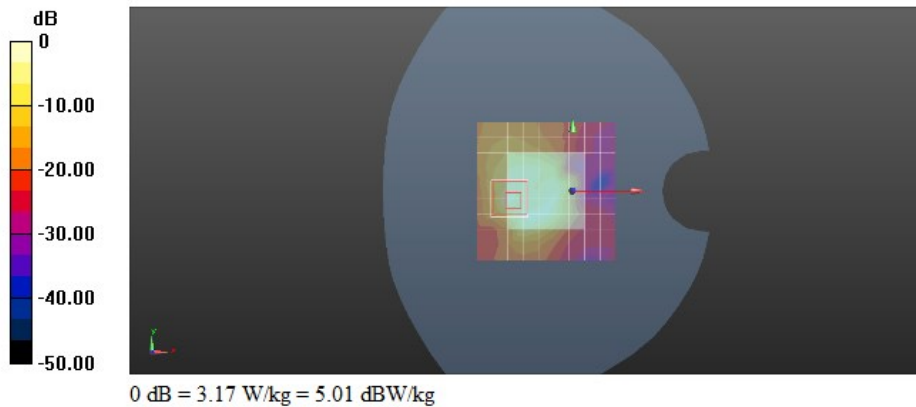
Peak SAR (extrapolated) = 6.21 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.271 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 49.3%

Maximum value of SAR (measured) = 3.17 W/kg



Test Laboratory: CTI SAR Lab

WIFI 5G 802.11a 149CH Front Side 0mm**DUT: Outdoor Watch; 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; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.307$ S/m; $\epsilon_r = 34.329$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(5, 5, 5) @ 5745 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 23.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.04 W/kg

Configuration/Body/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.713 V/m; Power Drift = 0.19 dB

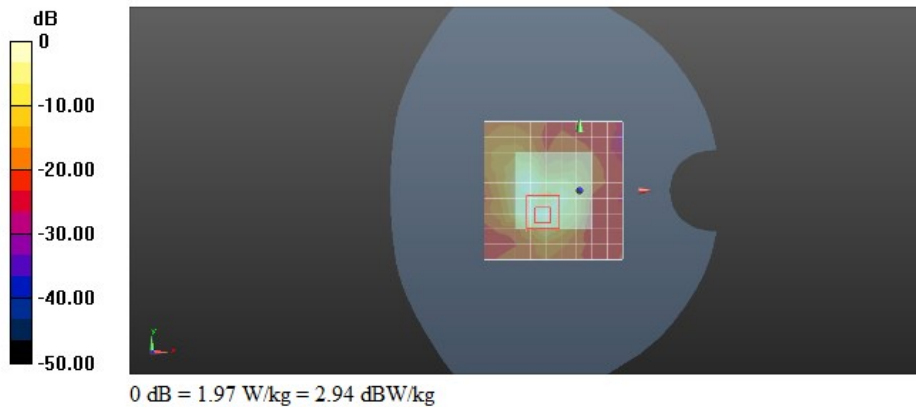
Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.183 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 1.97 W/kg



Test Laboratory: CTI SAR Lab

Bluetooth GFSK 2480CH Front Side 0mm**DUT: Outdoor Watch; Type: NA; Serial: NA**

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth 3.0; Frequency: 2480 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 39.138$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(7.72, 7.72 7.72) @ 2412 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.729 W/kg

Configuration/Body/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.58 V/m; Power Drift = 0.08 dB

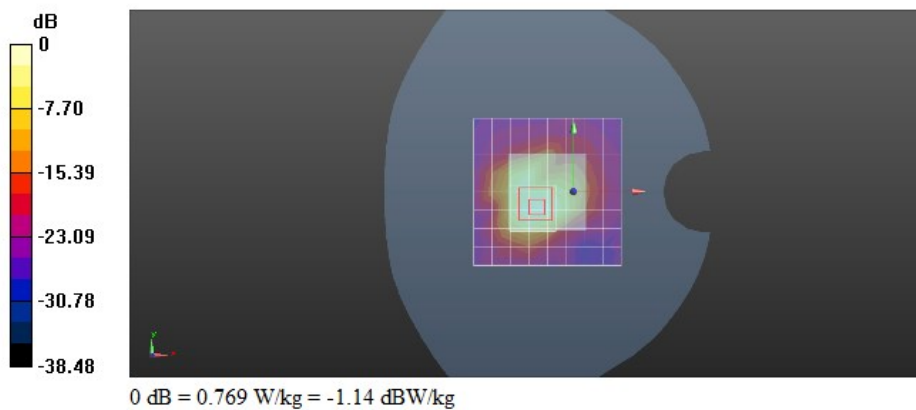
Peak SAR (extrapolated) = 0.940 W/kg

SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.206 W/kg

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 0.769 W/kg



Test Laboratory: CTI SAR Lab

BLE GFSK 2480CH Front Side 0mm

DUT: Outdoor Watch; Type: NA; Serial: NA

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth 4.0; Frequency: 2480 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 39.138$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(7.72, 7.72 7.72) @ 2412 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.823 W/kg

Configuration/Body/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.84 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.994 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.223 W/kg

Smallest distance from peaks to all points 3 dB below = 6.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 0.828 W/kg

