Appendix B:SAR Measurement results Plots

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2.4G WiFi Antenna rotated
2.4G WiFi Antenna retracted

Test Laboratory: CTI SAR Lab

Digital Video Monitor 2477CH Back Side 0mm Antenna rotated

DUT: Digital Video Monitor; Type: NA; Serial: NA

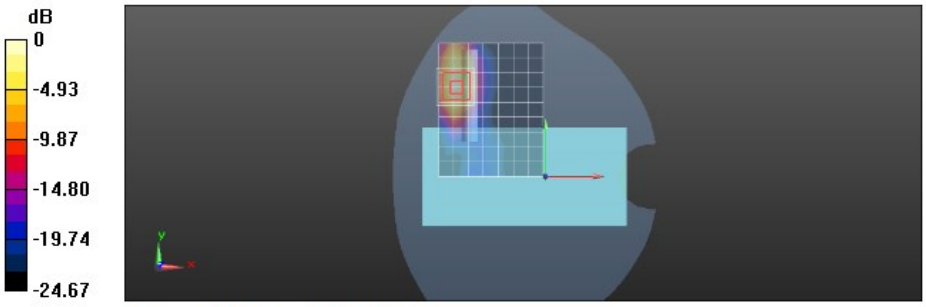
Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2477 MHz; σ = 1.851 S/m; ε_r = 39.988; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2477 MHz; Calibrated: 4/18/2024
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 1/20/2025
- 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=12mm, dy=12mm
Maximum value of SAR (measured) = 1.55 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.5mm
Reference Value = 0.5130 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.361 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 75.2%
Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg

Test Laboratory: CTI SAR Lab

Digital Video Monitor 2477CH Back Side 0mm Antenna rotated-Repeated

DUT: Digital Video Monitor; Type: NA; Serial: NA

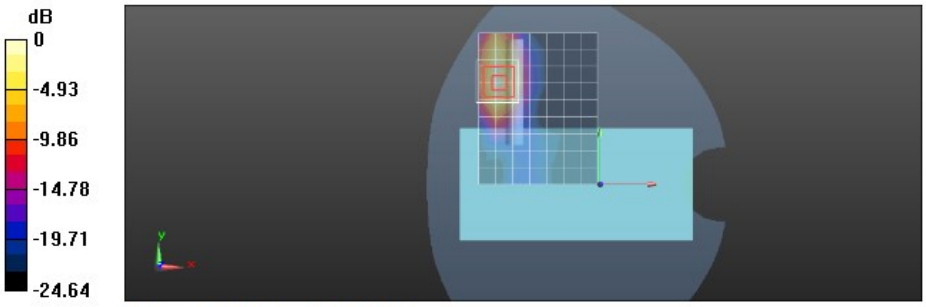
Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2477 MHz; σ = 1.851 S/m; ε_r = 39.988; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2477 MHz; Calibrated: 4/18/2024
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 1/20/2025
- 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=12mm, dy=12mm
Maximum value of SAR (measured) = 1.56 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.5mm
Reference Value = 0.9570 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.360 W/kg
Smallest distance from peaks to all points 3 dB below = 7.3 mm
Ratio of SAR at M2 to SAR at M1 = 75.6%
Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

Test Laboratory: CTI SAR Lab

Digital Video Monitor 2477CH Back Side 0mm Antenna retracted

DUT: Digital Video Monitor; Type: NA; Serial: NA

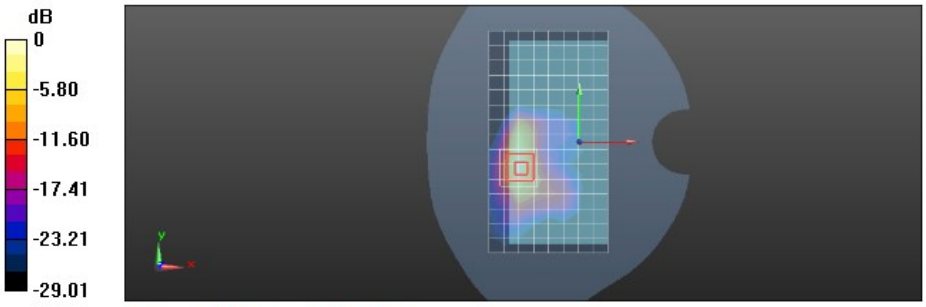
Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2477 MHz; σ = 1.851 S/m; ε_r = 39.988; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2477 MHz; Calibrated: 4/18/2024
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 1/20/2025
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.57 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.5mm
Reference Value = 3.151 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.319 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 75.5%
Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg

Test Laboratory: CTI SAR Lab

Digital Video Monitor 2477CH Back Side 0mm Antenna retracted-Repeated

DUT: Digital Video Monitor; Type: NA; Serial: NA

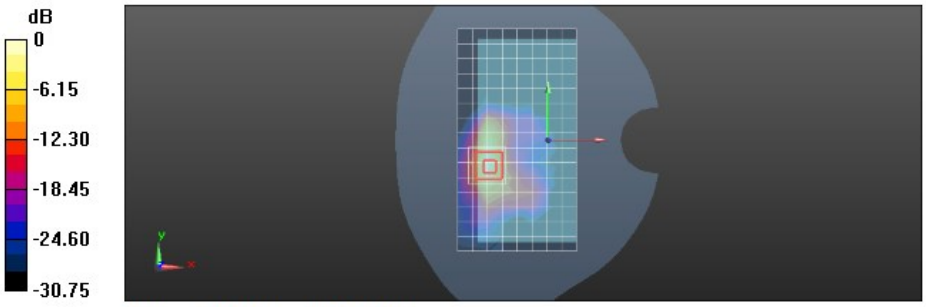
Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz;Communication System PAR: 0 dB; PMF: 1
Medium parameters used: f = 2477 MHz; σ = 1.851 S/m; ε_r = 39.988; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2477 MHz; Calibrated: 4/18/2024
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1458; Calibrated: 1/20/2025
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Head/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.56 W/kg

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.5mm
Reference Value = 3.115 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.46 W/kg
SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.317 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 75.3%
Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg = 2.15 dBW/kg