

Appendix B:SAR Measurement results Plots

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2.4G

Test Laboratory: CTI SAR Lab

Remote Controller 2441CH Top Side 0mm Antenna rotated**DUT: Remote Controller ; Type: NA; Serial: NA**

Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.828$ S/m; $\epsilon_r = 38.747$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.67, 7.67, 7.67); Calibrated: 2/3/2021;
- 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 (11x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0232 W/kg

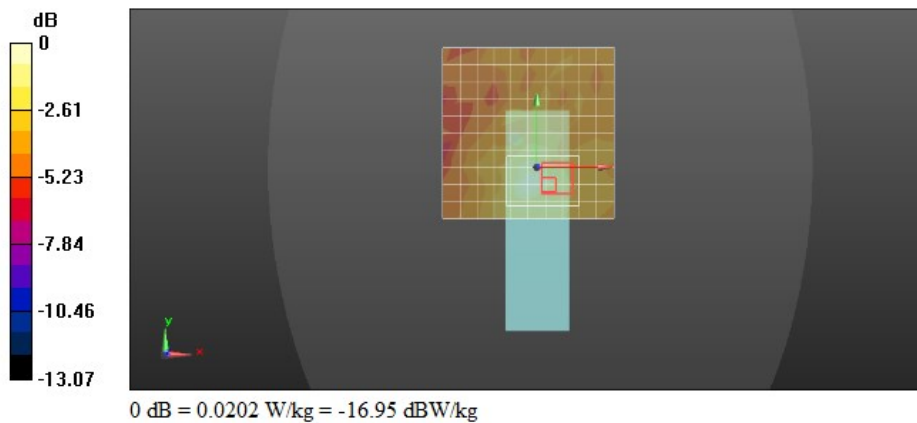
Configuration/Body/Zoom Scan (11x8x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.057 V/m; Power Drift = 0.91 dB

Peak SAR (extrapolated) = 0.0460 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00419 W/kg

Maximum value of SAR (measured) = 0.0202 W/kg



Test Laboratory: CTI SAR Lab

Remote Controller 2441CH Top Side 0mm Antenna retracted

DUT: Remote Controller ; Type: NA; Serial: NA

Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.857$ S/m; $\epsilon_r = 38.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.67, 7.67, 7.67); Calibrated: 2/3/2021;
- 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 (16x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0626 W/kg

Configuration/Body/Zoom Scan (9x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.744 V/m; Power Drift = 0.95 dB

Peak SAR (extrapolated) = 0.0940 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.00915 W/kg

Maximum value of SAR (measured) = 0.0505 W/kg

