

Appendix B:SAR Measurement results Plots

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Bluetooth- Body

Test Laboratory: CTI SAR Lab

Remote Control GFSK 2480CH Top Side 0mm

DUT: Remote Control; Type: NA; Serial: NA

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth 4.0; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 38.726$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.63, 7.63, 7.63); Calibrated: 3/23/2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/11/2023
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (6x7x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.374 W/kg

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

Reference Value = 14.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.477 W/kg

