

Appendix B:SAR Measurement results Plots

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LTE Band 7- Body

Test Laboratory: CTI SAR Lab

LTE Band 7 20M QPSK 1RB50 21350CH Front Side 5mm**DUT: 4G Dongle; Type: NA; Serial: NA**

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.999$ S/m; $\epsilon_r = 38.059$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.45, 7.45, 7.45) @ 2560 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 (7x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.18 W/kg

Configuration/Head/Zoom Scan (7x9x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.5$ mm

Reference Value = 11.36 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.276 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 75.4%

Maximum value of SAR (measured) = 1.79 W/kg

