

Appendix B

Detailed Test Results

CatM Band1 for Extremity

Date: 2024/2/29

Test Laboratory: SGS-SAR Lab

G-777G LTE CatM1 Band 5 10M QPSK 1RB0 20525CH Right side 0mm

DUT: G-777G; Type: portable device;

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 43.023$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(9.02, 9.02, 9.02); Calibrated: 2023/8/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2024/1/3
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0658 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.417 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.037 W/kg
Maximum value of SAR (measured) = 0.0862 W/kg

