APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMS918U; Type: Portable Handset; Serial: 0809M

Communication System: UID:10866 - AAD, 5G NR FR1 TDD; MAIA: Y; Frequency: 3750.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3750.0 MHz; cond = 3.03 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 02/27/2023; Ambient Temp: 22.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7410; ConvF:(6.98,6.98,6.98); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NR Band n77, Antenna G, Right Head, Tilt, Ch. 650000, 100 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 1 RB Offset

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Reference Value = 0.38 W/kg; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.568 W/kg
Smallest distance from peaks to all points 3 dB below is 9.0 mm
Ratio of SAR at M2 to SAR at M1 = 74.2 %