

## APPENDIX A: SAR TEST PLOTS

# ELEMENT

**DUT: BCGA2435; Type: Tablet Device; Serial: QLW4563WXL**

Communication System: UID:10903 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3570.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3570.0 MHz; cond = 2.96 S/m; perm = 36.4; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/10/2022; Ambient Temp:21.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7639; ConvF:(7.58,7.58,7.58); Calibrated: 2021-11-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1646; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: NR Band n48, Body SAR, Right Edge, Ch.638000,  
40 MHz Bandwidth, DFT-s-OFDM QPSK, 1 RB, 104 RB Offset**

**Area Scan (40.0 x 280.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

**Zoom Scan (28.0 x 28.0 x 28.0):** Measurement grid: dx=3.6 mm, dy=3.6 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 0.45 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.8 W/kg

**SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.214 W/kg**

Smallest distance from peaks to all points 3 dB below is 3.9 mm

Ratio of SAR at M2 to SAR at M1 = 61.1 %

