

**APPENDIX A: SAR TEST PLOTS**

# ELEMENT

**DUT: BCGA2757; Type: Tablet Device; Serial: NMX9PNX42D**

Communication System: UID:10913 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3680.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3680.0 MHz; cond = 3.03 S/m; perm = 36.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/17/2022; Ambient Temp: 19.7°C; Tissue Temp: 18.2°C

Probe: EX3DV4 - SN7416; ConvF:(6.43,6.43,6.43); Calibrated: 2022-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2022-05-16  
Phantom: Twin-SAM V8.0; Serial: 2071  
Measurement SW: DASYS Module SAR V16.2.0.1425

**Mode: NR Band n48, Antenna 4, Body SAR, Left Edge, Ch.645332, 40 MHz Bandwidth,  
DFT-s-OFDM QPSK, 50 RB, 56 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 = 0.76 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.46 W/kg

**SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.214 W/kg**

Smallest distance from peaks to all points 3 dB below is 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.5 %

