

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2589; Type: Tablet Device; Serial: RRFNYFJ9CV

Communication System: UID:10913 - AAB, 5G NR FR1 TDD; MAIA: Y; Frequency: 3625.0 MHz

Medium: 3600 Body; Medium parameters used:

$f = 3625.0$ MHz; $\text{cond} = 3.52$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/27/2021; Ambient Temp: 22.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7674; ConvF:(6.03,6.03,6.03); Calibrated: 2021-09-06

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

Electronics: DAE4 Sn1683; Calibrated: 2021-08-06

Phantom: Twin-SAM V8.0; Serial: 2071

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n48, Body SAR, Back side, Antenna 4, 40 MHz Bandwidth,
DFT-s-OFDM QPSK, Ch.641666, 50 RB, 56 RB Offset**

Area Scan (220.0 x 280.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=2.4$ mm, $dy=2.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Reference Value = 1.12 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.244 W/kg

Smallest distance from peaks to all points 3 dB below is 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.8 %

