

**APPENDIX A: SAR TEST PLOTS**

# ELEMENT

**DUT: WCSCN10A; Type: Wireless Charger; Serial: 00034**

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 13.600 MHz; cond = 0.783 S/m; perm = 52.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/20/2025; Ambient Temp: 21.0-C; Tissue Temp: 22.2-C

Probe: EX3DV4 - SN7539; ConvF:(18.32,18.43,20.5); Calibrated: 2024-11-11

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

Electronics: DAE4 Sn1415; Calibrated: 2025-03-11

Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: NFC, Body SAR, Front Side**

**Area Scan (180.0 x 150.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (36.0 x 30.0 x 31.2):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

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

Peak SAR (extrapolated) = 0.045 W/kg

**SAR(1 g) = 0.020 W/kg**

Smallest distance from peaks to all points 3 dB below is 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 73.0 %

