

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: WCNIS31S; Type: Portable Handset; Serial: MD03

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 13.600$ MHz; $\text{cond} = 0.787$ S/m; $\text{perm} = 53.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 03/17/2025; Ambient Temp: 23.5-C; Tissue Temp: 22.4-C

Probe: EX3DV4 - SN7551; ConvF:(18.51,17.64,18.84); Calibrated: 2024-12-09

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

Electronics: DAE4 Sn1323; Calibrated: 2024-12-04

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 (30.0 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 = 0.08 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.078 W/kg

Smallest distance from peaks to all points 3 dB below is 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 74.0 %

