

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: WCNIS31SS; Type: Portable Handset; Serial: MD01

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 13.600$ MHz; $\text{cond} = 0.718$ S/m; $\text{perm} = 53.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/06/2025; Ambient Temp: 23.3-C; Tissue Temp: 22.4-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, Antenna NFC, Exp: Phablet| Front Side

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

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

Reference Value = 0.12 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.095 W/kg

Smallest distance from peaks to all points 3 dB below is 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 74.5 %

