

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 13.000 MHz; Type: CLA-13 - SN1002

Communication System: UID: 0, CW; Frequency: 13.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 13.000 MHz; cond = 0.718 S/m; perm = 53.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 0 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); 2024-11-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1415; 2025-03-11

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

Measurement SW: DASY Module SAR V16.4.0.5005

13.0 MHz System Verification at 30.0 dBm (1000 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 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

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.314 W/kg

Deviation (1 g) = -3.08%; Deviation (10 g) = -3.38%

