

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; $\text{cond} = 0.783$ S/m; $\text{perm} = 52.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0 mm

Test Date: 3/27/2025; Ambient Temp: 23.4°C; Tissue Temp: 23.4°C

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

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

Electronics: DAE4 Sn1323; 2024-12-04

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) = 1.07 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.338 W/kg

Deviation (1 g) = 4.81%; Deviation (10 g) = 4.00%

