

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 13.000 MHz; Type: CLA13 - SN1052

Communication System: UID: 0, CW; Frequency: 13.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 13.000$ MHz; $\text{cond} = 0.721$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 03/11/2026, Ambient Temp: 20.6°C, Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7402; ConvF:(17.23,17.92,17.91); Calibrated: 2025-06-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1502; Calibrated: 2025-06-04
Phantom: ELI V5.0; Serial: 1155
Measurement SW: DASY Module SAR V17.0.2.6775

13.0 MHz System Verification at 30.0 dBm (1000 mW)

Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

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

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.297 W/kg

Deviation (1 g) = -2.45%; Deviation (10 g) = -1.98%

