

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: 30 Head; Medium parameters used:
f = 13.000 MHz; cond = 0.720 S/m; perm = 52.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 01/13/2025; Ambient Temp: 23.0°C; Tissue Temp: 19.0°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; 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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.342 W/kg

Deviation (1 g) = 6.15%; Deviation (10 g) = 5.23%

