

## 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/m<sup>3</sup>  
Phantom Section: Flat; Space: 0 mm

Test Date: 06/20/2025; Ambient Temp: 21.0-C; Tissue Temp: 22.2-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) = 1.02 W/kg

**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.314 W/kg**

Deviation (1 g) = -2.88%; Deviation (10 g) = -3.38%

