APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.83 S/m; perm = 39.8; density = 1000 kg/m^3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/03/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7420; ConvF:(7.33,7.33,7.33); Calibrated: 2022-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2022-10-13
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 11.7 W/kg
SAR (1 g) = 5.52 W/kg; SAR (10 g) = 2.55 W/kg
Deviation (1 g) = 4.94%; Deviation (10 g) = 4.08%