

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

Communication System: UID: 0, CW; Frequency: 2450.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.87 S/m; perm = 38.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 1/4/2024; Ambient Temp: 20.3°C; Tissue Temp: 23.3°C

Probe: EX3DV4 - SN7406; ConvF:(7.57,7.57,7.57); 2023-07-07

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

Electronics: DAE4 Sn1677; 2023-07-10

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2450.0 MHz System Verification at 20.0 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) = 5.15 W/kg; SAR(10 g) = 2.32 W/kg

Deviation (1 g) = -4.45%; Deviation (10 g) = -8.66%

