

APPENDIX B: SYSTEM VERIFICATION

ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN750

Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2450.000$ MHz; $\text{cond} = 1.74$ S/m; $\text{perm} = 40.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 02/27/2024; Ambient Temp: 20.5°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7357; ConvF:(7.7,7.7,7.7); 2023-04-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1582; 2023-04-14
Phantom: Twin-SAM V8.0; Serial: 1866
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 10.6 W/kg

SAR(1 g) = 5.00 W/kg; SAR(10 g) = 2.34 W/kg

Deviation (1 g) = -4.94%; Deviation (10 g) = -4.49%

