

APPENDIX B: SYSTEM VERIFICATION

ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN921

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.86 S/m; perm = 40.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/05/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7427; ConvF:(7.42,7.42,7.42); Calibrated: 2023-02-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2023-02-15
Phantom: Twin-SAM V8.0; Serial: 2027
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) = 10.8 W/kg

SAR(1 g) = 5.16 W/kg

Deviation (1 g) = -4.80%

