

## APPENDIX B: SYSTEM VERIFICATION

# ELEMENT

**DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN855**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.85 S/m; perm = 39.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7552; ConvF:(7.01,7.58,7.38); Calibrated: 2024-05-13  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1676; Calibrated: 2024-05-08  
Phantom: Twin-SAM V8.0; Serial: 2058  
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) = 11.4 W/kg

**SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = 1.53%; Deviation (10 g) = -2.03%

