

APPENDIX B: SYSTEM VERIFICATION PLOTS

ELEMENT

DUT: Dipole 6500.0 MHz; Type: D6.5GHzV2 - SN1019

Communication System: UID: 0, CW; Frequency: 6500.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.0 MHz; cond = 6.32 S/m; perm = 34.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 5 mm

Test Date: 05/30/2023; Ambient Temp: 21.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7308; ConvF:(5.2,5.2,5.2); Calibrated: 2023-02-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2023-02-15
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.2.0.1425

6500.0 MHz System Verification at 14.0 dBm (25 mW)

Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded
Ratio: 1.4

Peak SAR (extrapolated) = 51.0 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 1.42 W/kg; APD(4cm²) = 34.8 W/m²

Deviation (1 g) = 6.71%; Deviation (10 g) = 5.19%; Deviation (4cm²) = 6.26%

