

Appendix C:Plots of SAR System Check

System Check_Head_2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: 1018

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz);
Frequency: 2450 MHz;
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.886$ S/m; $\epsilon_r = 40.953$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.26, 7.62, 7.28); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 21.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.243 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 26.4 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.3 W/kg
Maximum value of SAR (measured) = 20.3 W/kg

