



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head

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Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz

DUT: D2450V2; Type: Dipole; Serial: 922

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.819$ S/m; $\epsilon_r = 38.504$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 13.9 W/kg

Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 74.42 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 21.7 W/kg

SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.66 W/kg

Maximum value of SAR (measured) = 18.0 W/kg

