

Appendix A

Detailed System Check Results

1. System Performance Check

System Performance Check 450 MHz Head

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Laboratory: SGS-SAR Lab

System Performance Check 450 MHz Head

DUT: D450V3; Type: Dipole; Serial: 1103

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450; Medium parameters used: $f = 450$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.829$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.11, 10.11, 10.11); Calibrated: 2025/01/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=15mm, Pin=250mW/Area Scan (11x21x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.31 W/kg

Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.10 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.817 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 66.7%

Maximum value of SAR (measured) = 1.32 W/kg

