Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head

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Date: 2026/8/29

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

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

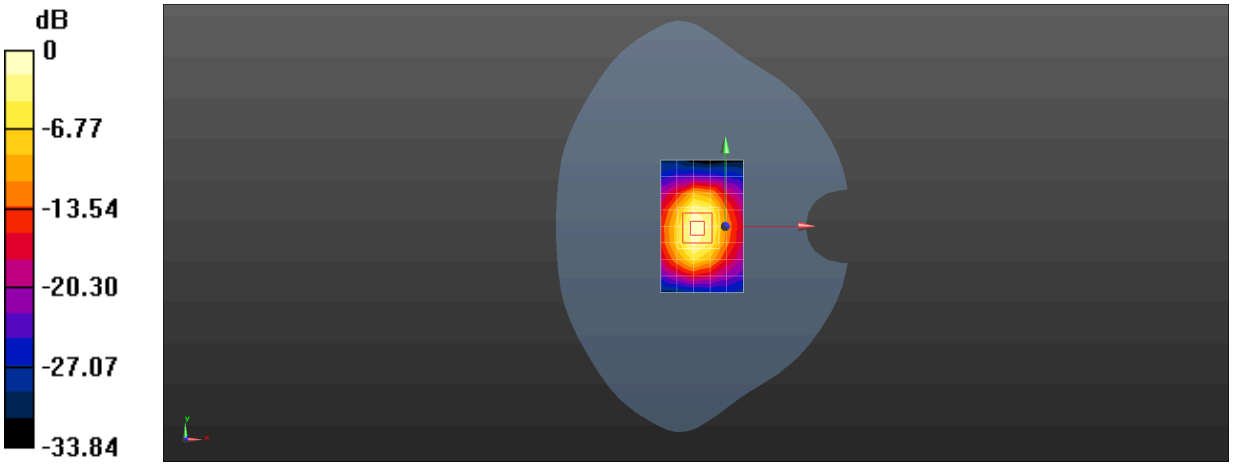
Medium: HSL;Medium parameters used: f = 2450 MHz; σ = 1.757 S/m; ε_r = 39.269; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.24, 7.24, 7.24); Calibrated: 2025/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn867; Calibrated: 2026/2/2
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 18.6 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.31 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 24.8 W/kg
SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.88 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 49.9%
Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 18.6 W/kg = 12.70 dBW/kg

-End of the Appendix-