Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head

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Member of the SGS Group (SGS SA)

Date: 2026/7/23

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

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

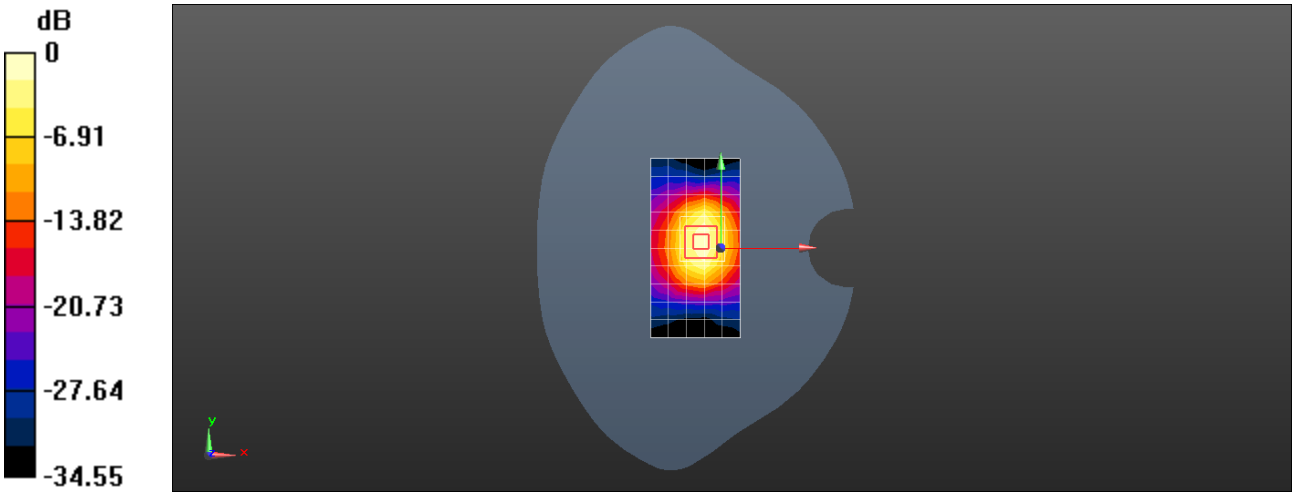
Medium: HSL;Medium parameters used: f = 2450 MHz; σ = 1.779 S/m; ε_r = 40.127; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: SAM 5; Type: SAM; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 18.9 W/kg

Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.79 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 27.5 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.25 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 49.5%
Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

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

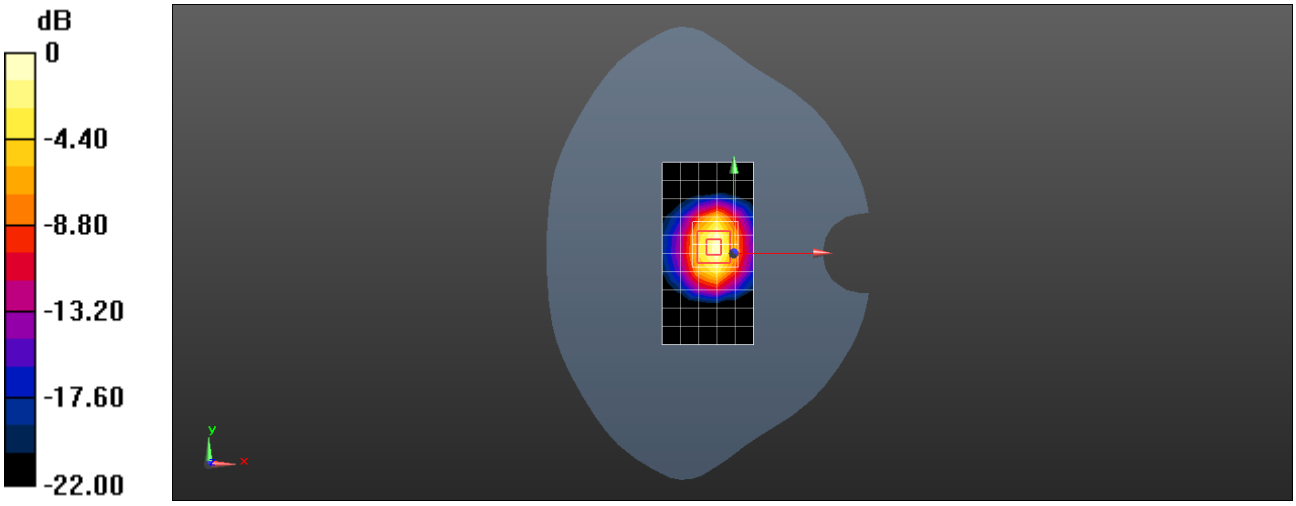
Medium: HSL;Medium parameters used: f = 2450 MHz; σ = 1.792 S/m; ε_r = 39.973; ρ = 1000 kg/m^3
Phantom section: Flat Section

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: SAM 5; Type: SAM; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 19.9 W/kg

Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.33 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 26.3 W/kg
SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.93 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.32 dBW/kg

-End of the Appendix-