Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 450 MHz

Date: 2025/02/21

Test Laboratory: SGS-SAR Lab

System Performance Check 450 MHz Head

DUT: D450V3; Type: D450V3; Serial: 1103

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

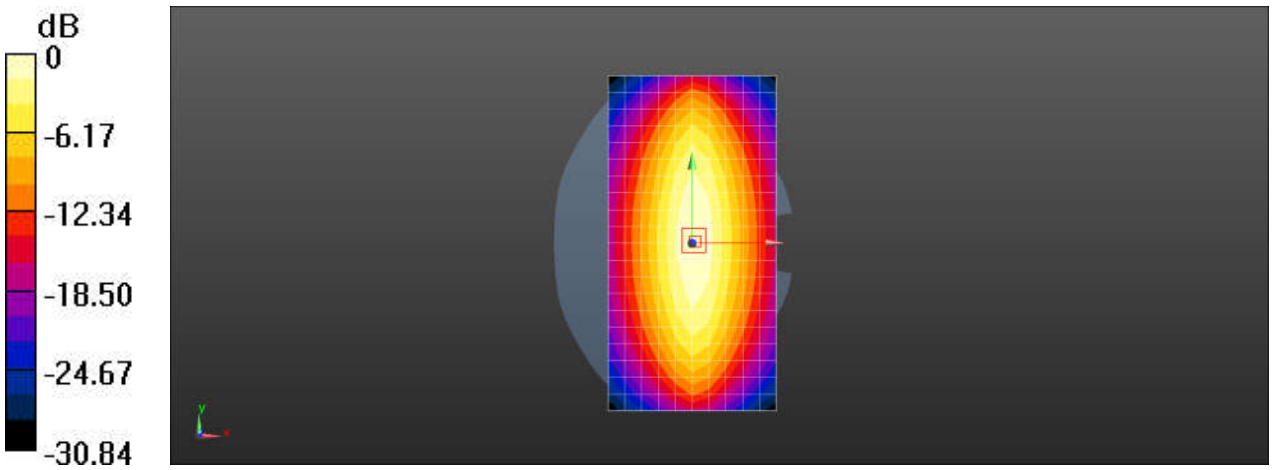
Medium: HSL450;Medium parameters used: f = 450 MHz; σ = 0.891 S/m; ε_r = 42.821; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(9.93, 9.93, 9.93); Calibrated: 2024/06/20
- 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=15mm, Pin=250mW/Area Scan (11x21x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.20 W/kg

Body/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.25 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.786 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg