Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 3500 MHz Head
System Performance Check 3700 MHz Head
System Performance Check 3900 MHz Head

Date: 2025/03/03

Test Laboratory: SGS-SAR Lab

System Performance Check 3500 MHz Head

DUT: D3500V2; Type: Dipole; Serial: 1082

Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1

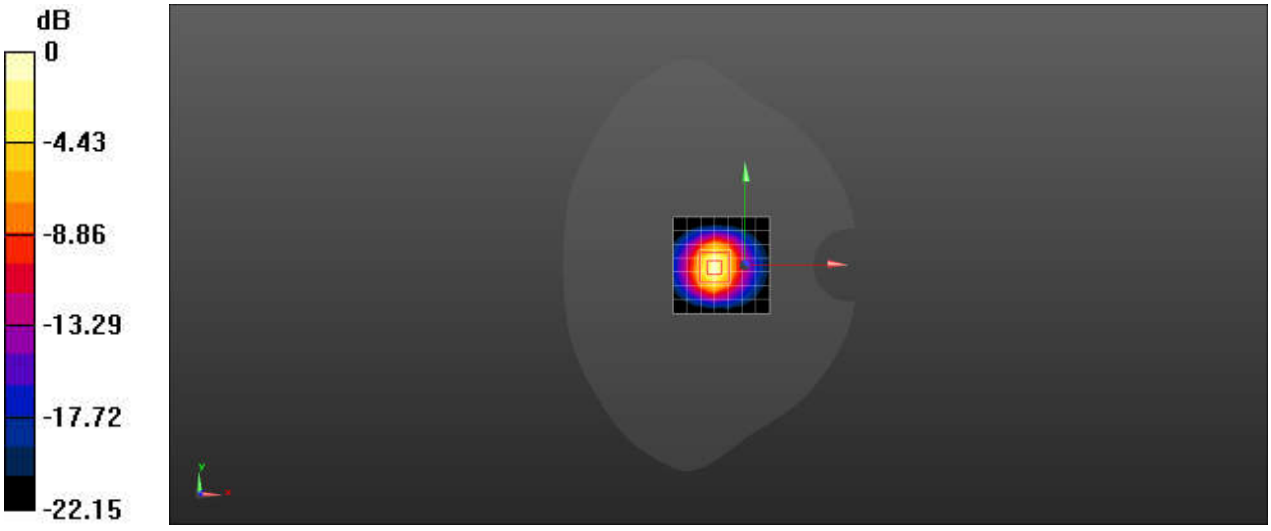
Medium: HSL3500;Medium parameters used: f = 3500 MHz; σ = 2.873 S/m; ε_r = 38.697; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.28, 7.28, 7.28); Calibrated: 2024/04/29
- 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=10mm, Pin=100mW/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 10.81 W/kg

Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.46 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 14.6 W/kg
SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.44 W/kg
Maximum value of SAR (measured) = 11.63 W/kg



0 dB = 11.63 W/kg = 10.65 dBW/kg

Date: 2025/03/04

Test Laboratory: SGS-SAR Lab

System Performance Check 3700 MHz Head

DUT: D3700V2; Type: Dipole; Serial: 1046

Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1

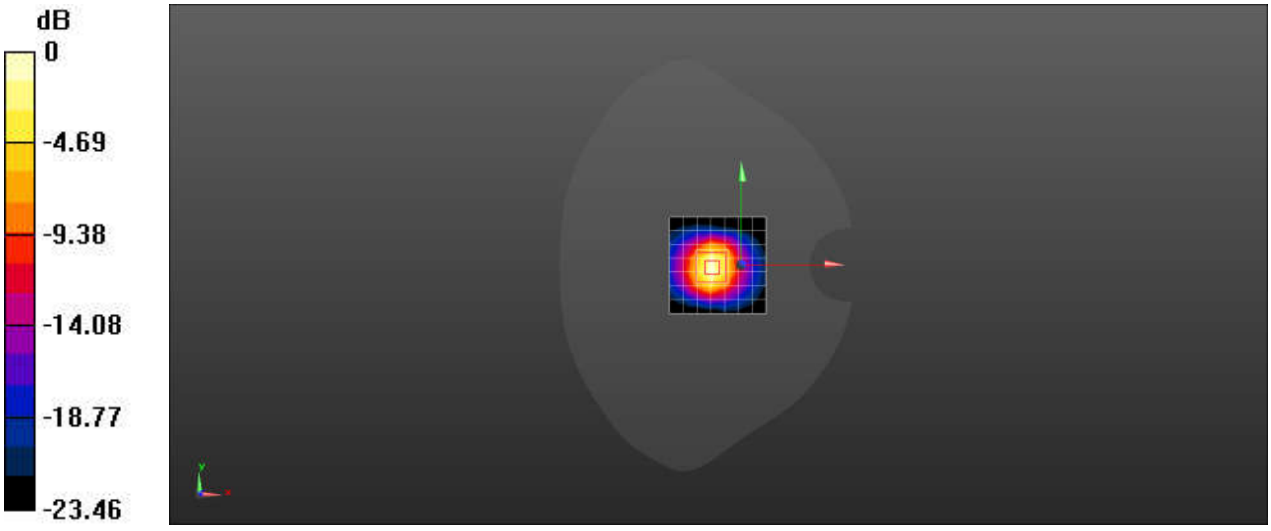
Medium: HSL3700;Medium parameters used: f = 3700 MHz; σ = 3.035 S/m; ε_r = 38.281; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.08, 7.08, 7.08); Calibrated: 2024/04/29
- 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=10mm, Pin=100mW/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 11.43 W/kg

Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.21 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 6.39 W/kg; SAR(10 g) = 2.45 W/kg
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

Date: 2025/03/05

Test Laboratory: SGS-SAR Lab

System Performance Check 3900 MHz Head

DUT: D3900V2; Type: Dipole; Serial: 1026

Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1

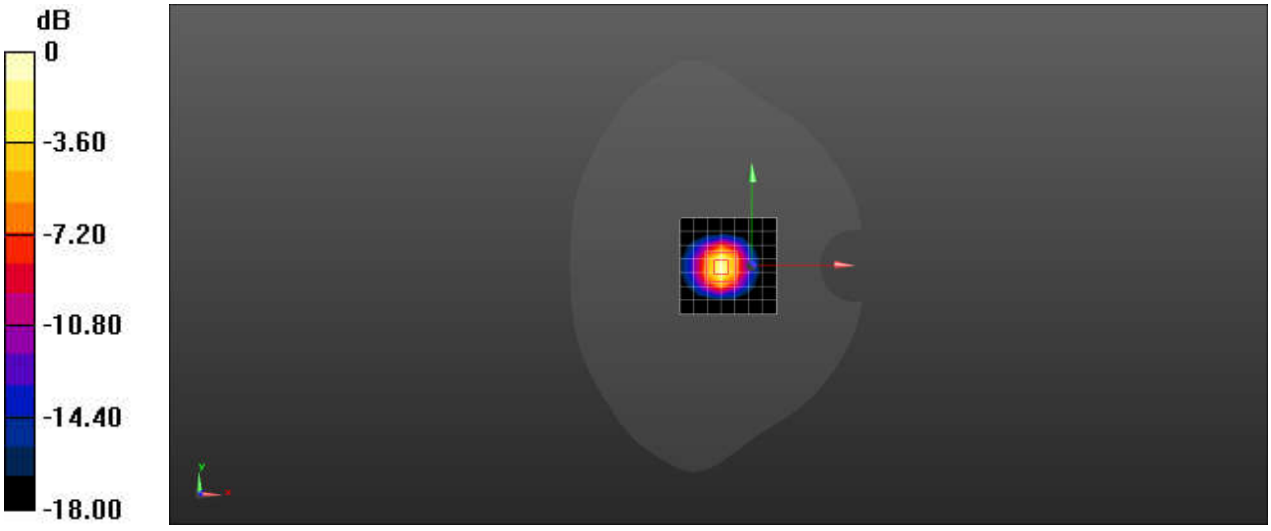
Medium: HSL3900;Medium parameters used: f = 3900 MHz; σ = 3.22 S/m; ε_r = 38.02; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.01, 7.01, 7.01); Calibrated: 2024/04/29
- 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=10mm, Pin=100mW/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 11.68 W/kg

Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.14 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 17.59 W/kg
SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.37 W/kg
Maximum value of SAR (measured) = 13.23 W/kg



0 dB = 13.23 W/kg = 11.21 dBW/kg