

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 750 MHz Head
System Performance Check 1750 MHz Head
System Performance Check 1950 MHz Head



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Test Laboratory: SGS-SAR Lab

System Performance Check 750MHz Head

DUT: D750V3; Type: Dipole; Serial: 1132

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 40.709$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(9.43, 9.43, 9.43); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=15mm, Pin=250mW/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.24 W/kg

Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.86 V/m; Power Drift = 0.07 dB

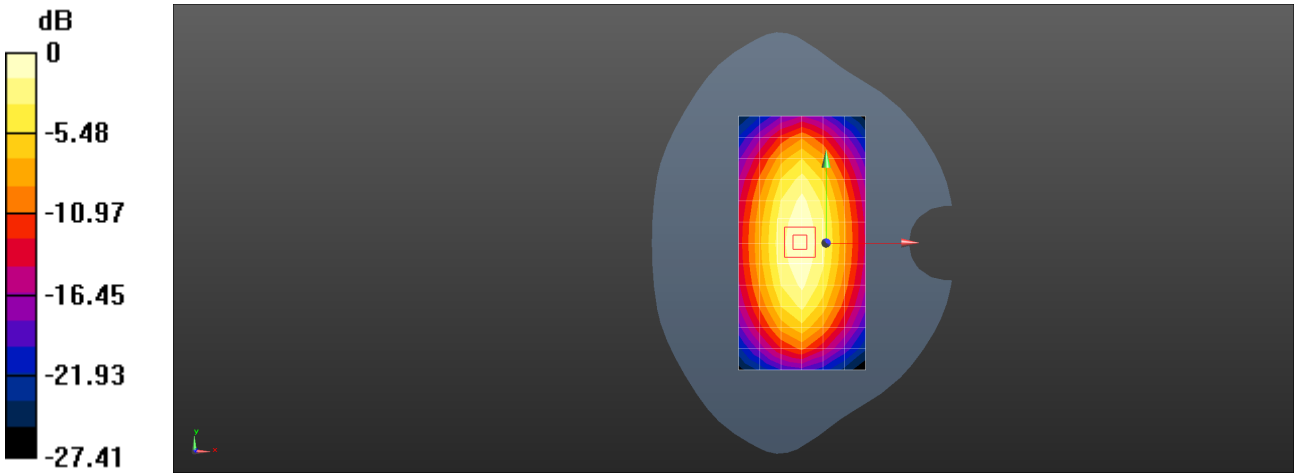
Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 66%

Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.24 W/kg = 5.10 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1750MHz Head

DUT: D1750V2; Type: Dipole; Serial: 1111

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1

Medium: HSL1750;Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.4 \text{ S/m}$; $\epsilon_r = 40.673$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.02, 8.02, 8.02); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- 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 (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 12.9 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.77 V/m; Power Drift = 0.18 dB

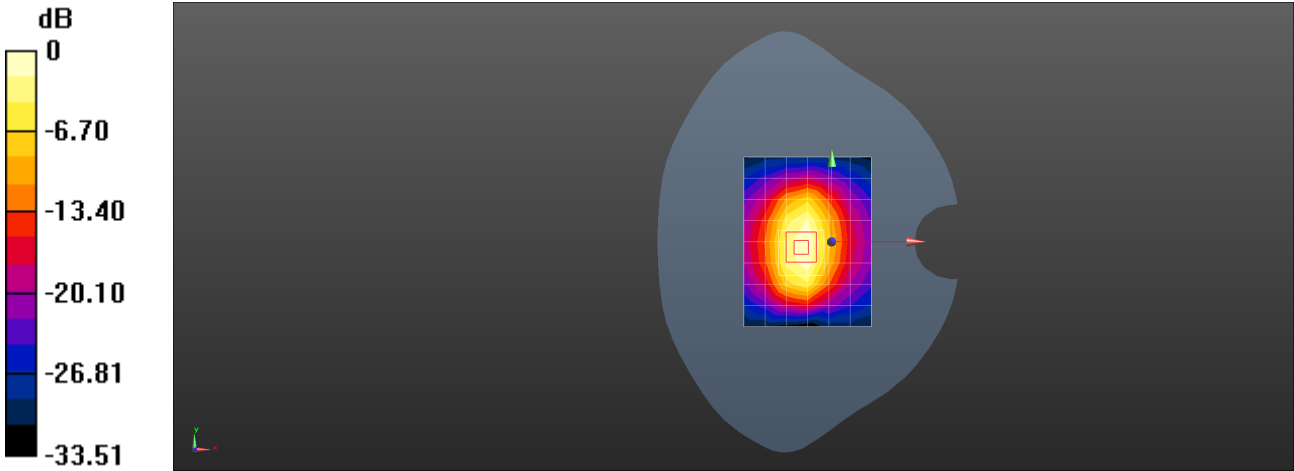
Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 9.57 W/kg; SAR(10 g) = 5.16 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 12.9 W/kg = 11.09 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1950MHz Head

DUT: D1950V3; Type: Dipole; Serial: 1138

Communication System: UID 0, CW (0); Frequency: 1950 MHz;Duty Cycle: 1:1

Medium: HSL1950;Medium parameters used: $f = 1950\text{ MHz}$; $\sigma = 1.444\text{ S/m}$; $\epsilon_r = 40.31$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.69, 7.69, 7.69); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- 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 (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 15.2 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 84.79 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 20.0 W/kg
SAR(1 g) = 10.8 W/kg; SAR(10 g) = 5.6 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.1%
Maximum value of SAR (measured) = 16.8 W/kg

