



# Appendix A

## Detailed System Check Results

|                                        |
|----------------------------------------|
| 1. System Performance Check            |
| System Performance Check 835 MHz Head  |
| System Performance Check 1750 MHz Head |
| System Performance Check 1900 MHz Head |
| System Performance Check 2450 MHz Head |





Test Laboratory: LCS-SAR Lab

System Check\_835Mhz

DUT: D835V2; Type: D835V2; Serial: 4d124

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.936 \text{ S/m}$ ;  $\epsilon_r = 41.521$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.26, 9.26, 9.26); Calibrated: 2024/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (5x18x1): Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.04 W/kg

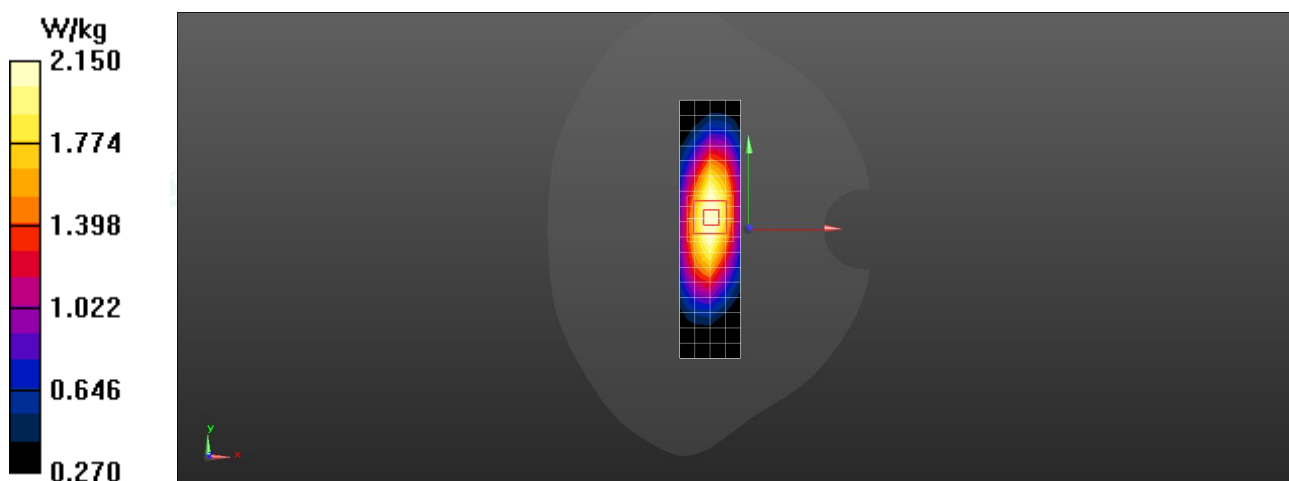
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 61.25 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 0.92 W/kg; SAR(10 g) = 0.63 W/kg

Maximum value of SAR (measured) = 2.15 W/kg



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Test Laboratory: LCS-SAR Lab

System Check\_1750Mhz

DUT: D1750V2; Type: D1750V2; Serial: 1035

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.339$  S/m;  $\epsilon_r = 39.845$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(8.16, 8.16, 8.16); Calibrated: 2024/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 6.66 W/kg

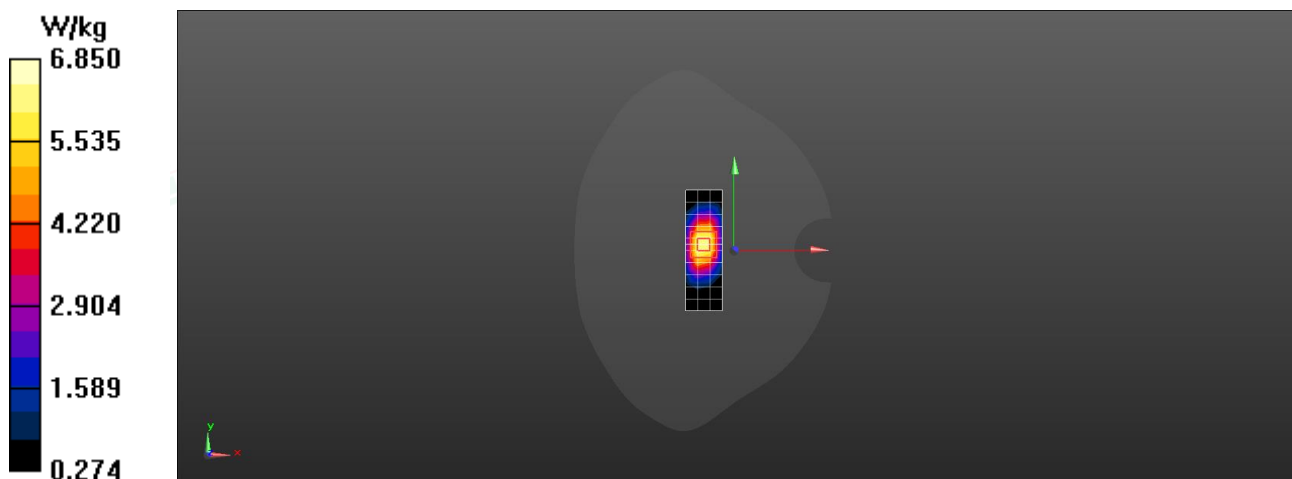
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.52 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 10.52 W/kg

SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 6.85 W/kg



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Test Laboratory: LCS-SAR Lab

System Check\_1900Mhz

DUT: D1900V2; Type: D1900V2; Serial: 5d055

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.436$  S/m;  $\epsilon_r = 41.025$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.85, 7.85, 7.85); Calibrated: 2024/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 7.42 W/kg

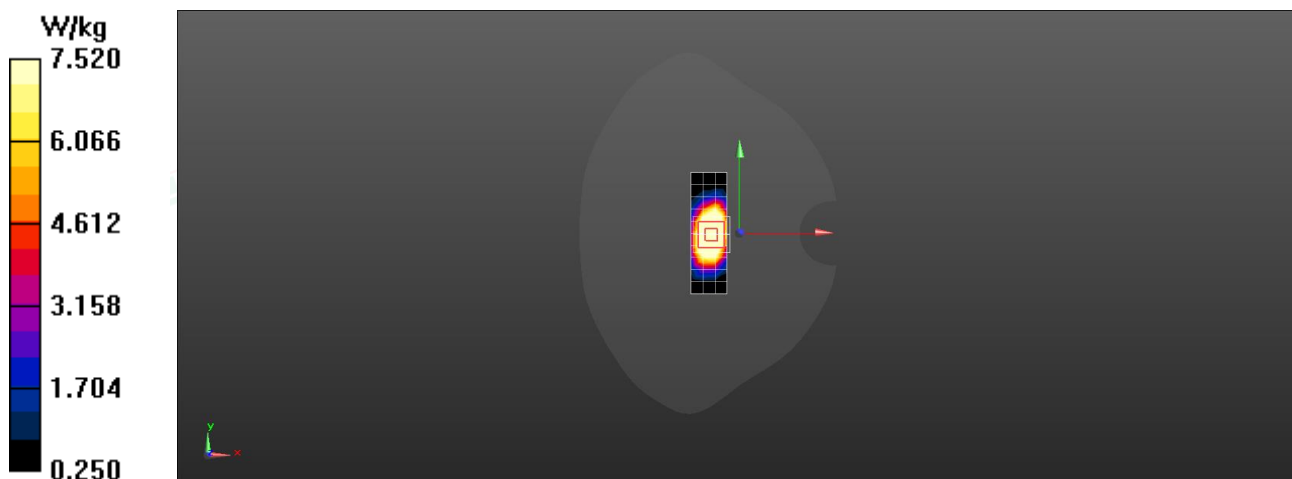
Configuration/Unnamed procedure/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.45 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 11.63 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 7.52 W/kg



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Test Laboratory: LCS-SAR Lab

System Check\_2450Mhz

DUT: D2450V2; Type: D2450V2; Serial:808

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.873$  S/m;  $\epsilon_r = 38.569$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2024/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (4x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 7.74 W/kg

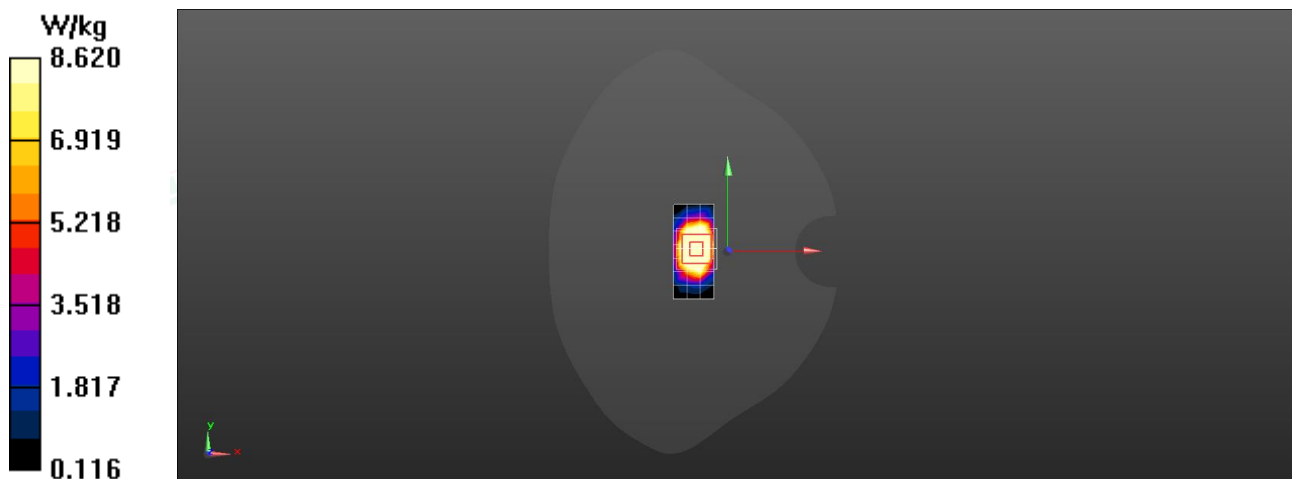
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 4.92 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 8.62 W/kg



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