



Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 835 MHz Head
System Performance Check 1900 MHz Head





Date: 2025/4/17

Test Laboratory: LCS-SAR Lab

System Check_835Mhz

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

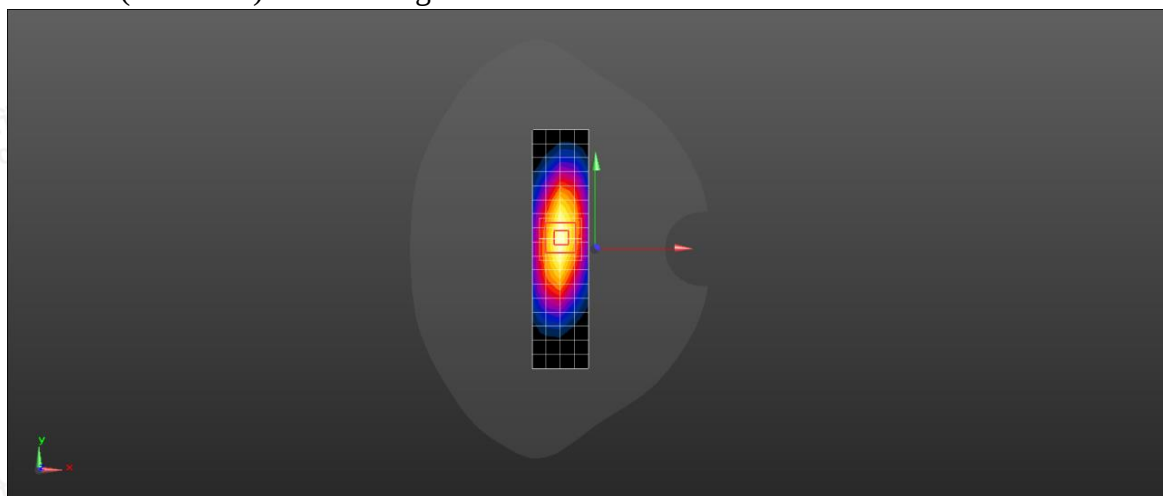
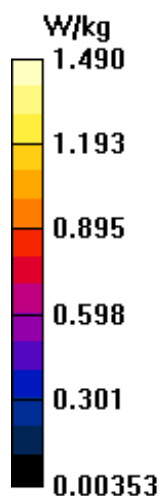
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 41.268$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(9.08, 9.08, 9.08); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- 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) = 1.54 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 = 25.86 V/m ; Power Drift = 0.17 dB Peak SAR (extrapolated) = 1.86 W/kg SAR(1 g) = 0.943 W/kg ; SAR(10 g) = 0.622 W/kg Maximum value of SAR (measured) = 1.49 W/kg 



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: $f = 1900 \text{ MHz}$; $\sigma = 1.353 \text{ S/m}$; $\epsilon_r = 39.485$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.80, 7.80, 7.80); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (4x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 7.13 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 = 41.46 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 3.94 W/kg ; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 6.84 W/kg

