

Appendix D

Detailed System Check Results

1. System Performance Check
System Performance Check 835 MHz Head
System Performance Check 1950 MHz Head
System Performance Check 2600 MHz Head
System Performance Check 3700 MHz Head



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System Performance Check 835MHz Head

Device

Communication System: D835; Frequency: 835.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 835.000$ MHz; $\sigma= 0.880$ S/m; $\epsilon_r = 40.6$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(10.36, 10.36, 10.36); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (90.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.10 W/kg; SAR (10g) = 1.38 W/kg;

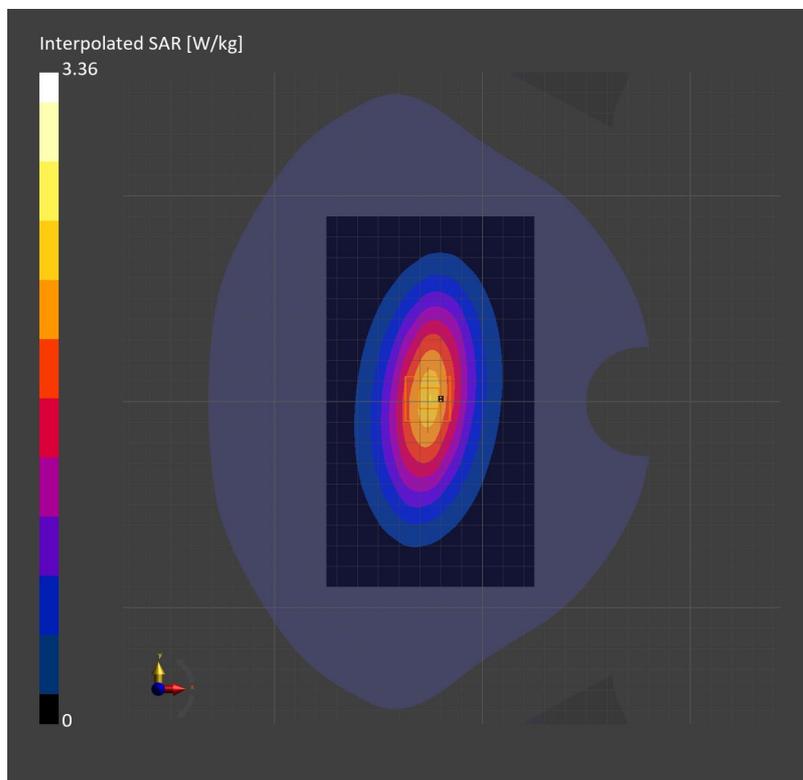
Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.02 dB

SAR (1g) = 2.18 W/kg; SAR (10g) = 1.44 W/kg;

M2/M1 [%]=64.3

Dist 3dB Peak [mm]=16.8



System Performance Check 1950 MHz Head

Device

Communication System: ; Frequency: 1950.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 1950.000$ MHz; $\sigma= 1.39$ S/m; $\epsilon_r = 39.5$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(8.51, 8.51, 8.51); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 10.6 W/kg; SAR (10g) = 5.56 W/kg;

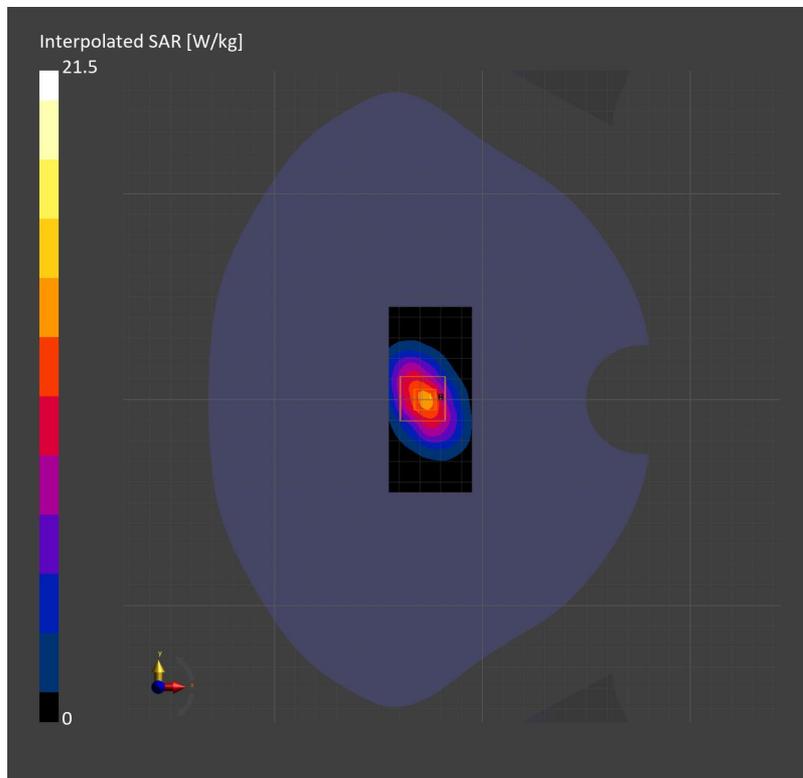
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = -0.02 dB

SAR (1g) = 10.9 W/kg; SAR (10g) = 5.57 W/kg;

M2/M1 [%]=79.3

Dist 3dB Peak [mm]=9.9



System Performance Check 2600 MHz Head

Device

Communication System: ; Frequency: 2600.000

Medium: Head Simulating Liquid. Medium parameters used: $f=2600.000$ MHz; $\sigma=1.88$ S/m; $\epsilon_r=38.2$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 13.3 W/kg; SAR (10g) = 5.99 W/kg;

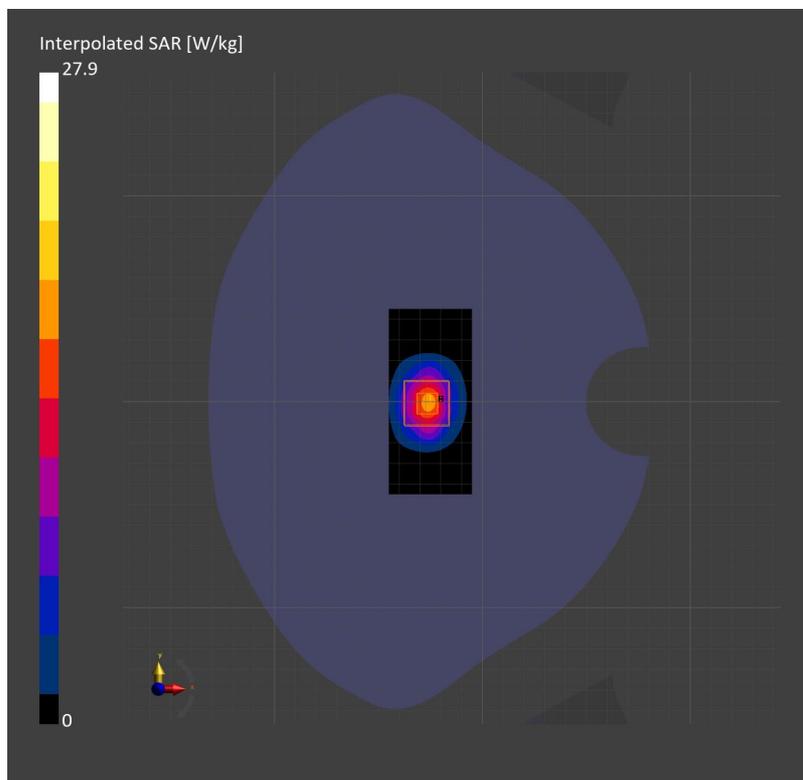
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.00 dB

SAR (1g) = 13.7 W/kg; SAR (10g) = 6.33 W/kg;

M2/M1 [%]=80.7

Dist 3dB Peak [mm]=9.0



System Performance Check 3700 MHz Head**D3700V2-SN 1046**

Communication System: D3700; Frequency: 3700.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 3700.000$ MHz; $\sigma= 3.04$ S/m; $\epsilon_r = 37.1$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.99, 6.99, 6.99); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.46 W/kg; SAR (10g) = 2.53 W/kg;

Zoom Scan (28.0 mm x 28.0 mm x 28.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.4 mm

Power Drift = -0.06 dB

SAR (1g) = 6.71 W/kg; SAR (10g) = 2.54 W/kg;

M2/M1 [%]=76.8

Dist 3dB Peak [mm]=8.6

