

Appendix D

Detailed System Check Results

1. System Performance Check
System Performance Check 750 MHz Head
System Performance Check 835 MHz Head
System Performance Check 1900 MHz Head
System Performance Check 2600 MHz Head
System Performance Check 3500 MHz Head

System Performance Check 750MHz Head**D750V3-SN 1160**

Communication System: D750; Frequency: 750.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 750.000$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 40.5$

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(10.00, 10.00, 10.00); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.2.4.2524

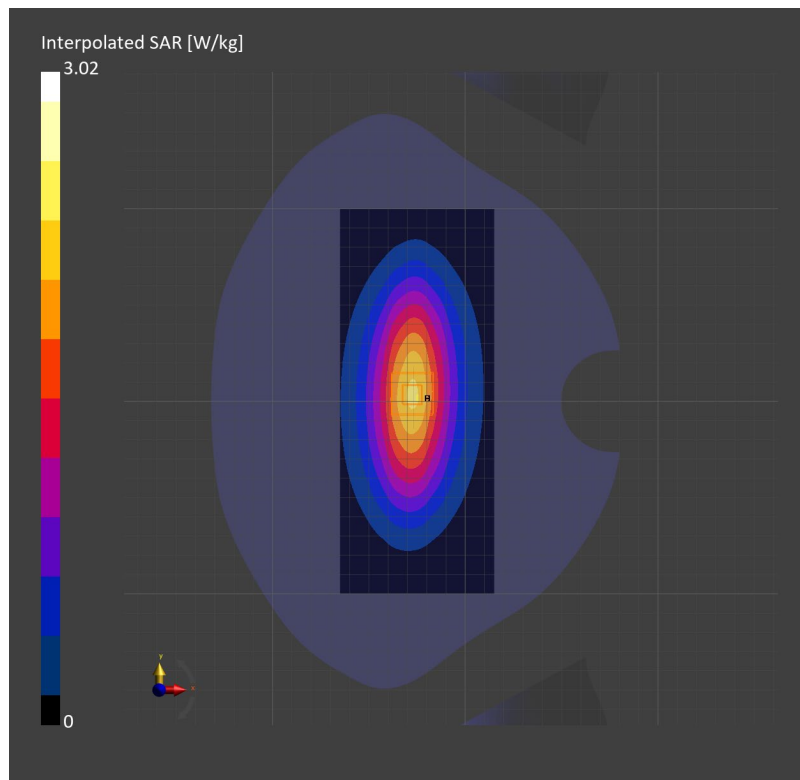
Area Scan (80.0 mm x 200.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.01 W/kg; SAR (10g) = 1.32 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 = -0.05 dB

SAR (1g) = 2.03 W/kg; SAR (10g) = 1.37 W/kg;



System Performance Check 835MHz Head**D835V2-SN 4d105**

Communication System: D835; Frequency: 835.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 835.000$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.3$

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(9.60, 9.60, 9.60); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.2.4.2524

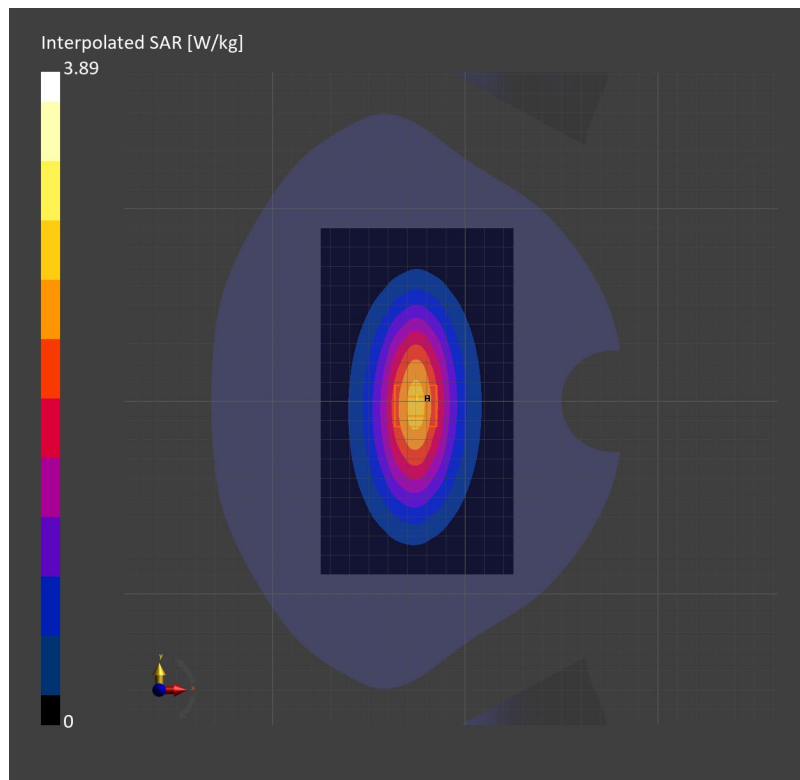
Area Scan (100.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.42 W/kg; SAR (10g) = 1.59 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 = -0.14 dB

SAR (1g) = 2.45 W/kg; SAR (10g) = 1.57 W/kg;



System Performance Check 1900MHz Head

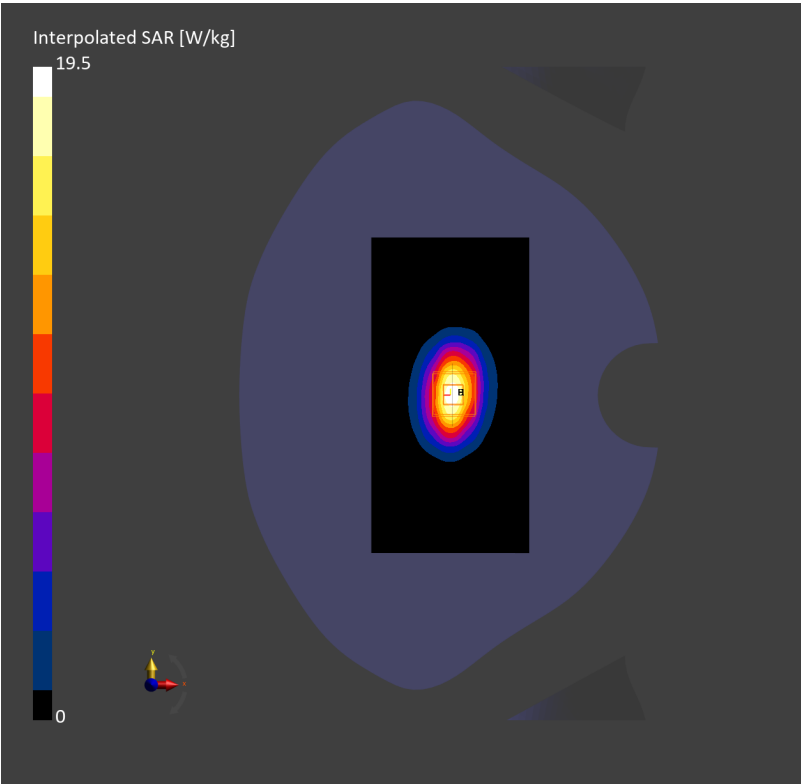
D1900V2- SN 5d028

Communication System: D1900; Frequency: 1900.000
Medium: Head Simulating Liquid. Medium parameters used: $f=1900.000\text{ MHz}$; $\sigma=1.45\text{ S/m}$; $\epsilon_r=40.1$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(7.86, 7.86, 7.86); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.2.4.2524

Area Scan (75.0 mm x 150.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 9.88 W/kg; SAR (10g) = 5.45 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 = -0.03 dB
SAR (1g) = 9.92 W/kg; SAR (10g) = 5.40 W/kg;



System Performance Check 2600MHz Head

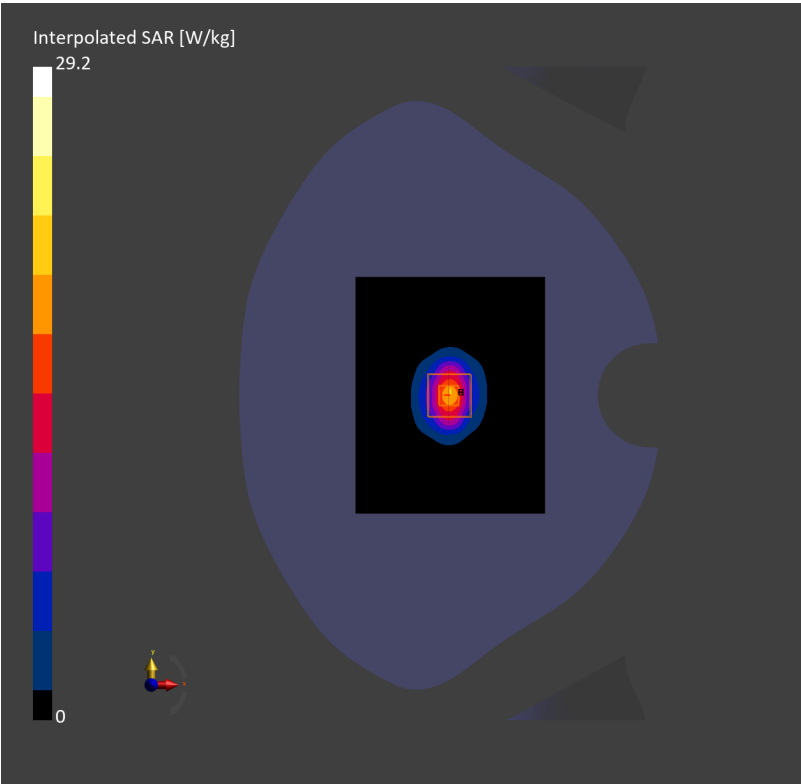
D2600V2-SN 1125

Communication System: D2600; 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 - SN7821; ConvF(7.33, 7.33, 7.33); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.2.4.2524

Area Scan (80.0 mm x 108.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 14.5 W/kg; SAR (10g) = 6.49 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 5.0 mm
Power Drift = 0.12 dB
SAR (1g) = 14.6 W/kg; SAR (10g) = 6.68 W/kg;



System Performance Check 3500MHz Head

D3500V2-SN 1082

Communication System: D3500; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 3500.000$ MHz; $\sigma= 2.79$ S/m; $\epsilon_r = 37.3$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 5.78 W/kg; SAR (10g) = 2.43 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 5.0 mm
Power Drift = 0.16 dB
SAR (1g) = 6.66 W/kg; SAR (10g) = 2.68 W/kg;

