

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head
System Performance Check 5250 MHz Head
System Performance Check 5750 MHz Head



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System Performance Check 2450 MHz Head**D2450V2-SN 733**

Communication System: ; Frequency: 2450.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 2450.000$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 38.3$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
- 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) = 12.2 W/kg; SAR (10g) = 5.97 W/kg;

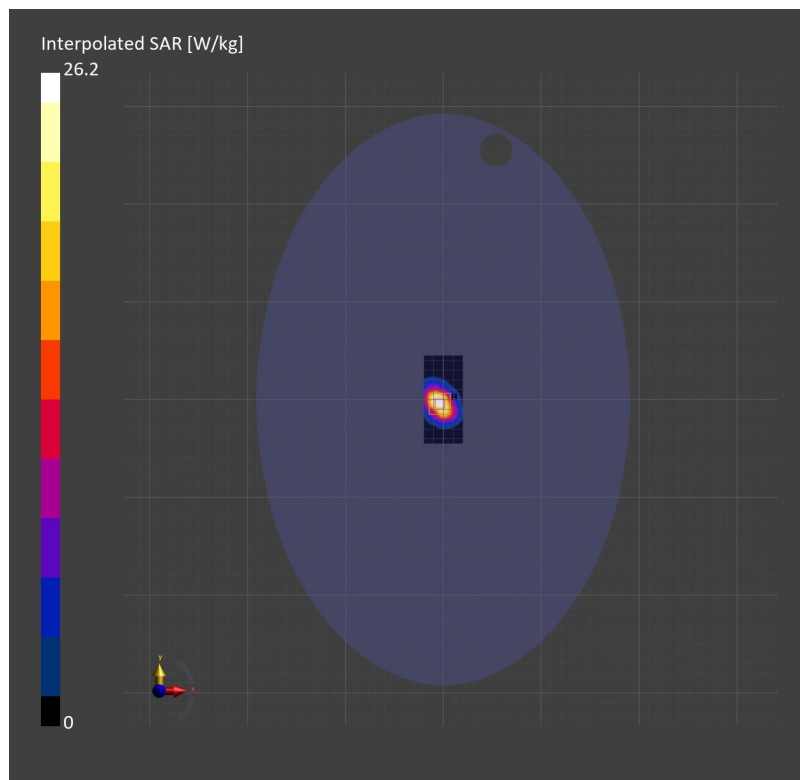
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.12 dB

SAR (1g) = 13.3 W/kg; SAR (10g) = 6.51 W/kg;

M2/M1 [%]=80.9

Dist 3dB Peak [mm]=9.0



System Performance Check 2450 MHz Head**D2450V2-SN 733**

Communication System: ; Frequency: 2450.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 2450.000$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 38.0$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm

SAR (1g) = 12.1 W/kg; SAR (10g) = 5.88 W/kg;

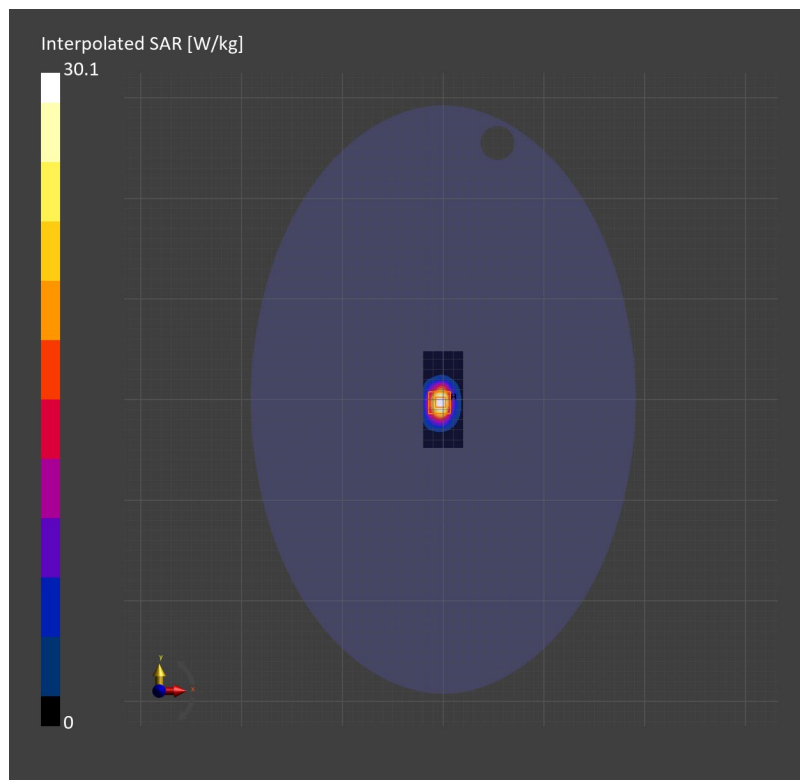
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.06 dB

SAR (1g) = 13.12 W/kg; SAR (10g) = 6.42 W/kg;

M2/M1 [%]=80.6

Dist 3dB Peak [mm]=9.0



System Performance Check 5250 MHz Head**D5GHzV2-SN 1165**

Communication System: ; Frequency: 5250.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 5250.000$ MHz; $\sigma = 4.64$ S/m; $\epsilon_r = 37.2$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.79 W/kg; SAR (10g) = 2.17 W/kg;

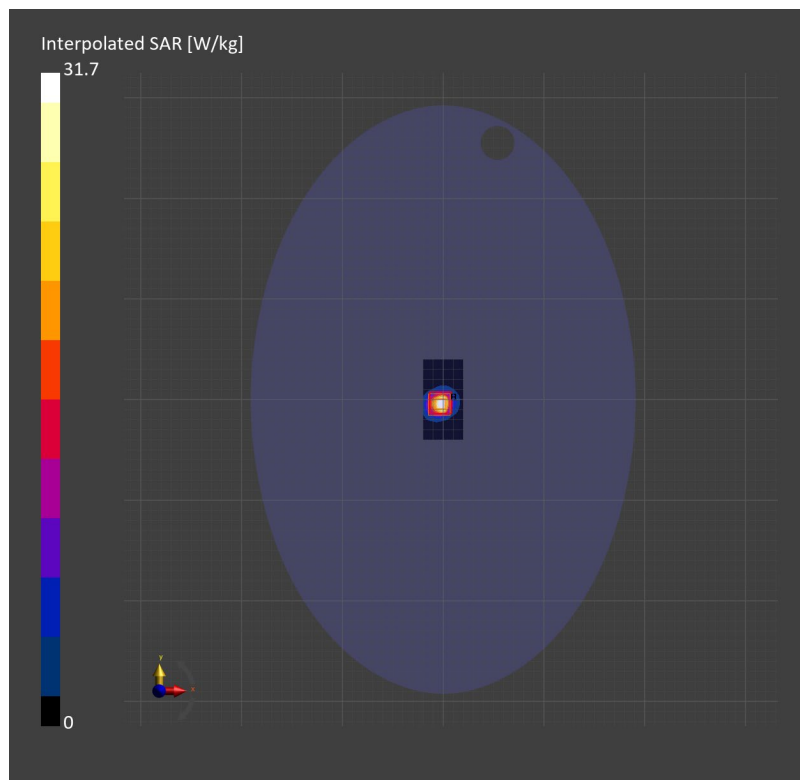
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.06 dB

SAR (1g) = 8.22 W/kg; SAR (10g) = 2.38 W/kg;

M2/M1 [%]=64.1

Dist 3dB Peak [mm]=7.4



System Performance Check 5250 MHz Head**D5GHzV2-SN 1165**

Communication System: ; Frequency: 5250.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 5250.000$ MHz; $\sigma = 4.63$ S/m; $\epsilon_r = 37.1$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.44 W/kg; SAR (10g) = 2.06 W/kg;

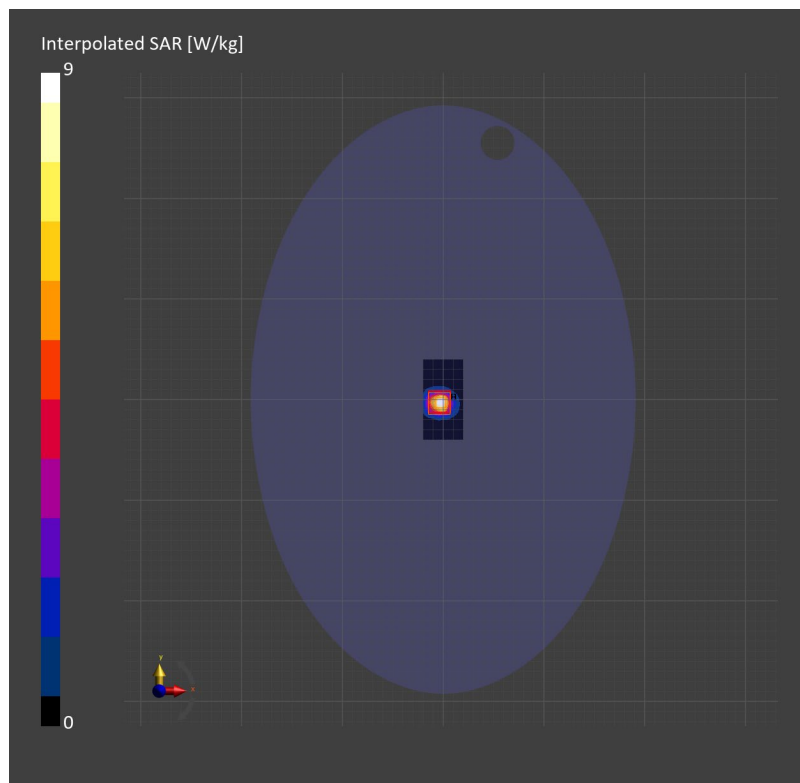
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.02 dB

SAR (1g) = 8.15 W/kg; SAR (10g) = 2.29 W/kg;

M2/M1 [%]=61.5

Dist 3dB Peak [mm]=7.2



System Performance Check 5750 MHz Head-0219-WIFI5G

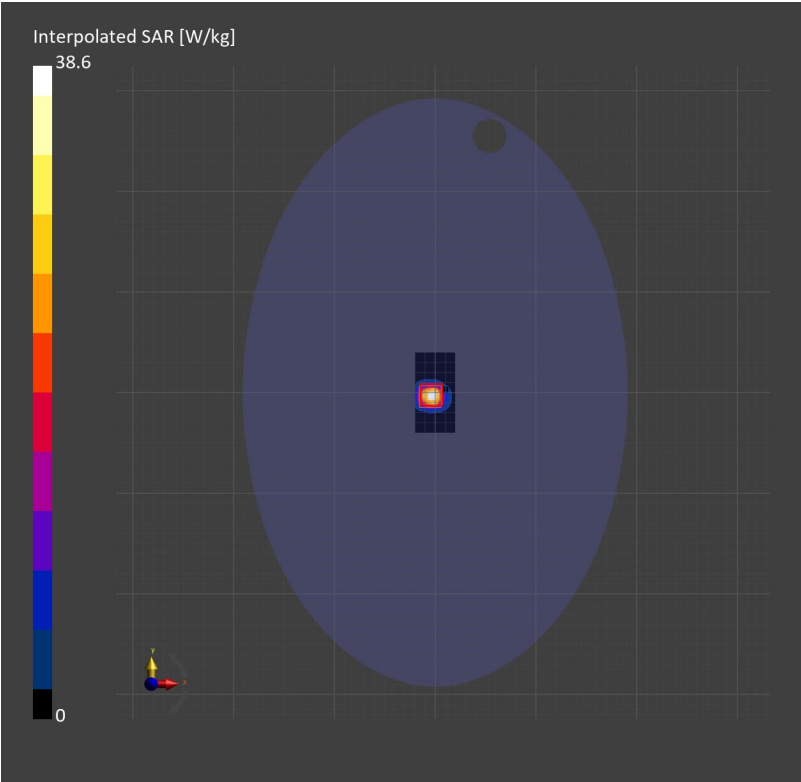
D5GHzV2-SN 1165

Communication System: ; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 5750.000$ MHz; $\sigma= 5.24$ S/m; $\epsilon_r = 36.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.18, 4.94, 5.09); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
 - Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.70 W/kg; SAR (10g) = 2.15 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = 0.06 dB
SAR (1g) = 8.14 W/kg; SAR (10g) = 2.25 W/kg;
M2/M1 [%]=56.6
Dist 3dB Peak [mm]=7.6



System Performance Check 5750 MHz Head**D5GHzV2-SN 1165**

Communication System: ; Frequency: 5750.000

Medium: Head Simulating Liquid. Medium parameters used: $f = 5750.000$ MHz; $\sigma = 5.10$ S/m; $\epsilon_r = 36.2$

DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.18, 4.94, 5.09); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2219
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.59 W/kg; SAR (10g) = 2.11 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.07 dB

SAR (1g) = 8.18 W/kg; SAR (10g) = 2.33 W/kg;

M2/M1 [%]=56.8

Dist 3dB Peak [mm]=7.4

