

Appendix A

Detailed System Check Results

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System Performance Check 5600 MHz Head
System Performance Check 5750 MHz Head



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System Performance Check 835 MHz Head

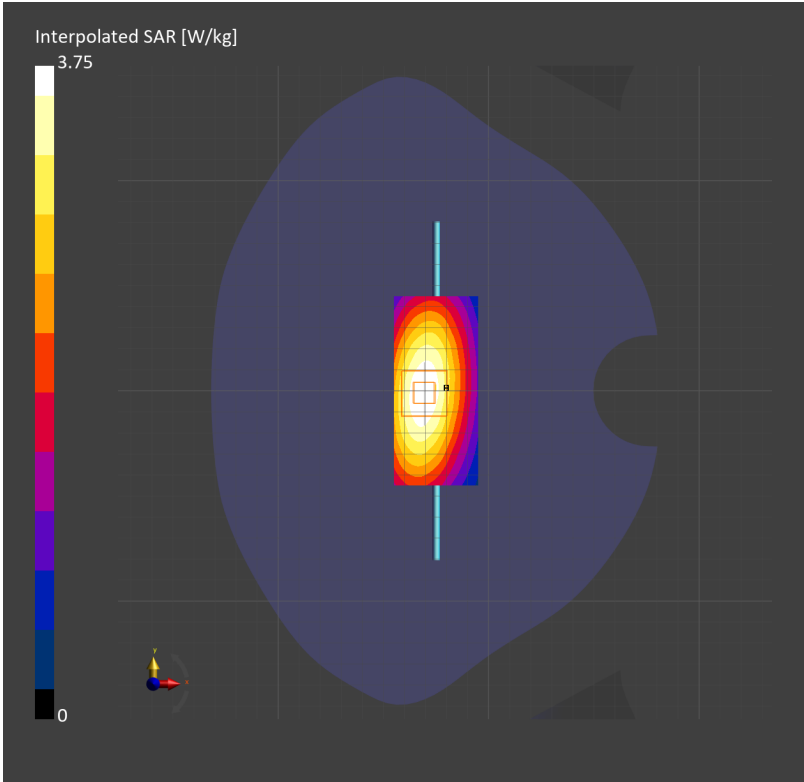
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ = 0.906 S/m; ϵ_r = 42.2

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
 - 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 (45.0 mm x 90.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 2.43 W/kg; SAR (10g) = 1.64 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 = -0.00 dB
SAR (1g) = 2.48 W/kg; SAR (10g) = 1.65 W/kg;
M2/M1 [%]=87.3
Dist 3dB Peak [mm]=> 15.0



System Performance Check 1750 MHz Head

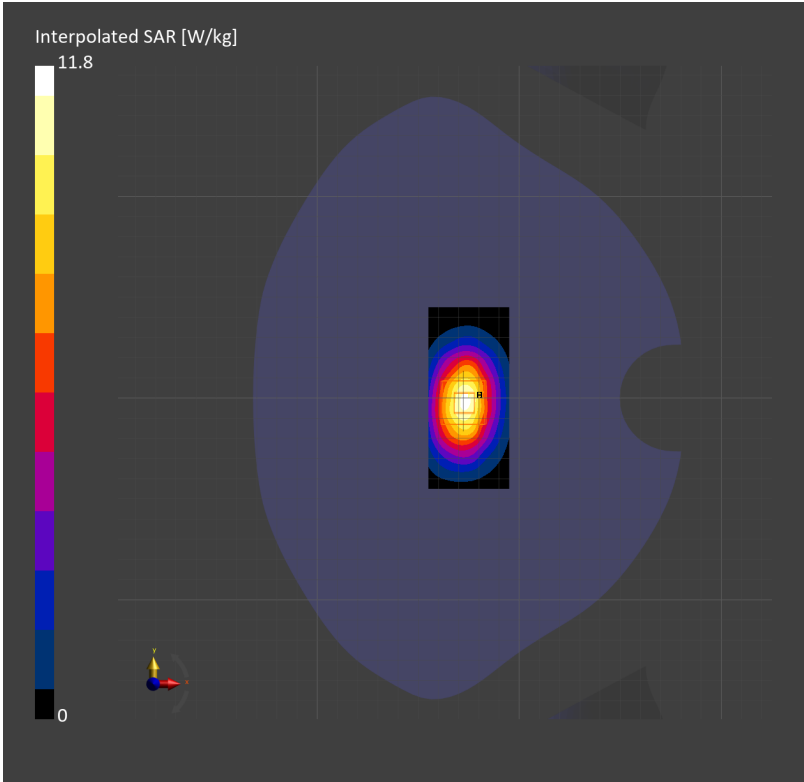
D1750V2-SN 1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1750.000 MHz; σ = 1.38 S/m; ϵ_r = 40.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
 - 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 (45.0 mm x 90.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 9.12 W/kg; SAR (10g) = 5.06 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.01 dB
SAR (1g) = 9.32 W/kg; SAR (10g) = 5.05 W/kg;
M2/M1 [%]=82.8
Dist 3dB Peak [mm]=11.4



System Performance Check 1950 MHz Head

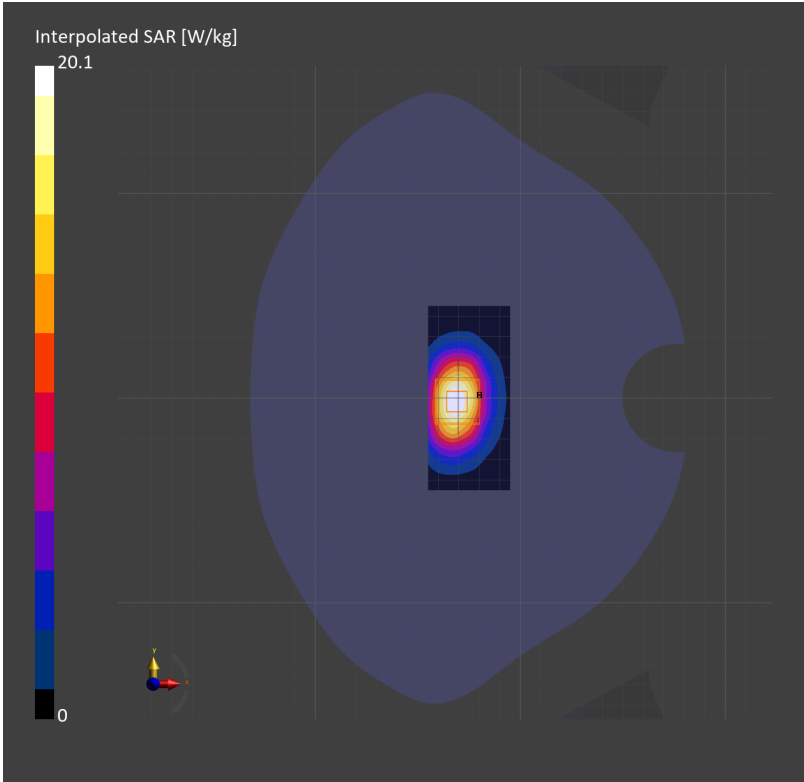
D1950V3-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1950.000 MHz; σ = 1.41 S/m; ϵ_r = 40.4

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); Calibrated: 2024-11-20
 - 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 (45.0 mm x 90.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 10.2 W/kg; SAR (10g) = 5.48 W/kg;

Zoom Scan (32.0 mm x 32.0 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) = 10.3 W/kg; SAR (10g) = 5.41 W/kg;
M2/M1 [%]=80.9
Dist 3dB Peak [mm]=10.3



System Performance Check 2450 MHz Head

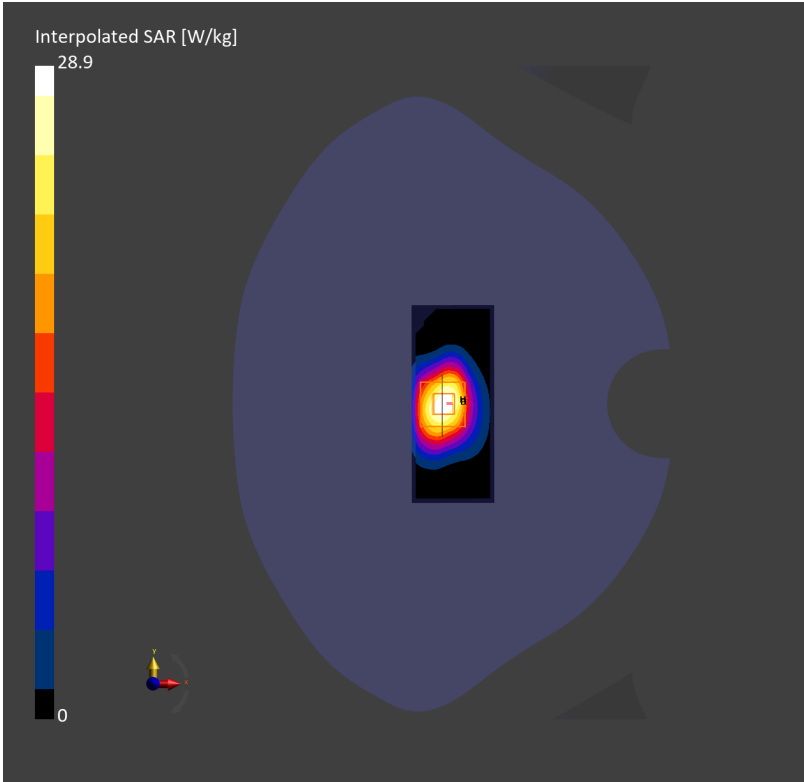
D2450V2-SN 733

Communication System: ; Frequency: 2450.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2450.000 MHz; σ = 1.77 S/m; ϵ_r = 39.3

- 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: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (48.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 13.6 W/kg; SAR (10g) = 6.63 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 mm
Power Drift = 0.00 dB
SAR (1g) = 14.1 W/kg; SAR (10g) = 6.53 W/kg;
M2/M1 [%]=80.2
Dist 3dB Peak [mm]=9.1



System Performance Check 2600 MHz Head

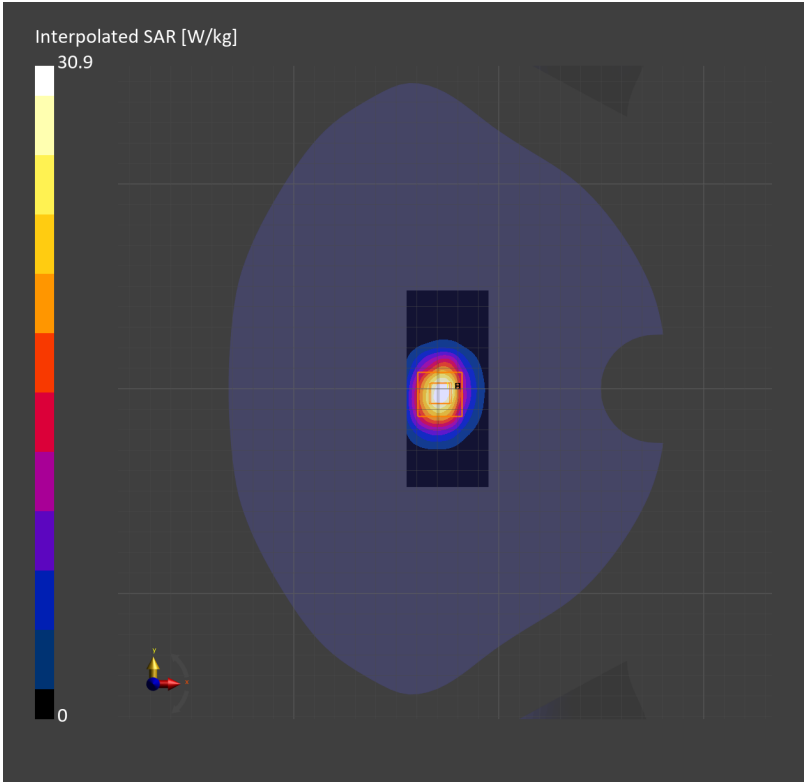
D2600V2-SN 1125

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 2600.000$ MHz; $\sigma= 1.89$ S/m; $\epsilon_r = 38.1$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.33, 7.0, 7.21); Calibrated: 2024-11-20
 - 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 (48.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 14.4 W/kg; SAR (10g) = 6.75 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 = 0.00 dB
SAR (1g) = 14.8 W/kg; SAR (10g) = 6.66 W/kg;
M2/M1 [%]=79.9
Dist 3dB Peak [mm]=9.1



System Performance Check 3500MHz Head

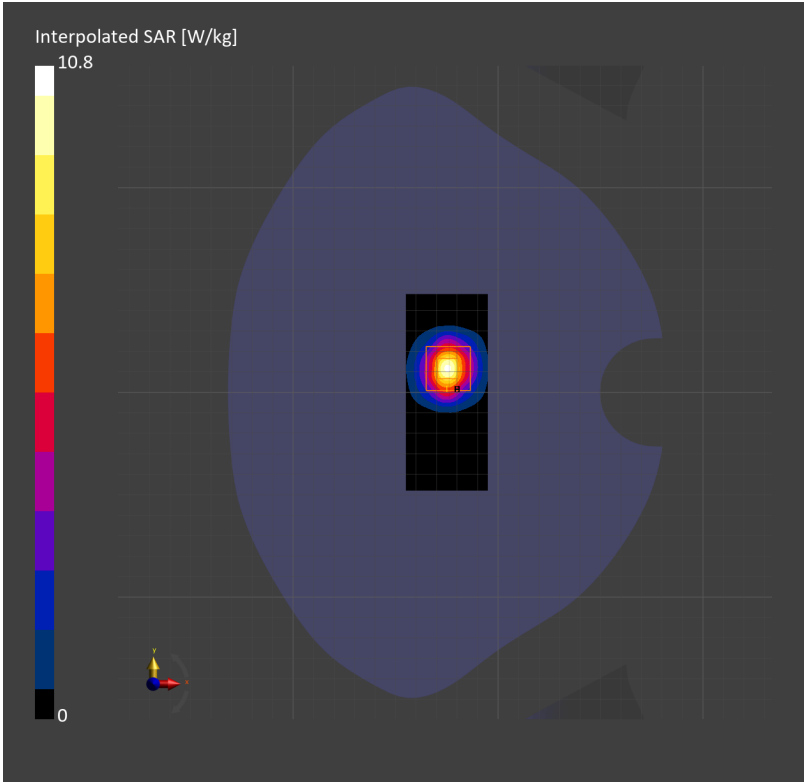
D3500V2-SN 1082

Communication System: ; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ = 2.82 S/m; ϵ_r = 37.6

- 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 (40.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.00 W/kg; SAR (10g) = 2.67 W/kg;

Zoom Scan (25.0 mm x 25.0 mm x 24.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 3 mm
Power Drift = -0.01 dB
SAR (1g) = 7.04 W/kg; SAR (10g) = 2.70 W/kg;
M2/M1 [%]=73.3
Dist 3dB Peak [mm]=8.6



System Performance Check 5250 MHz Head

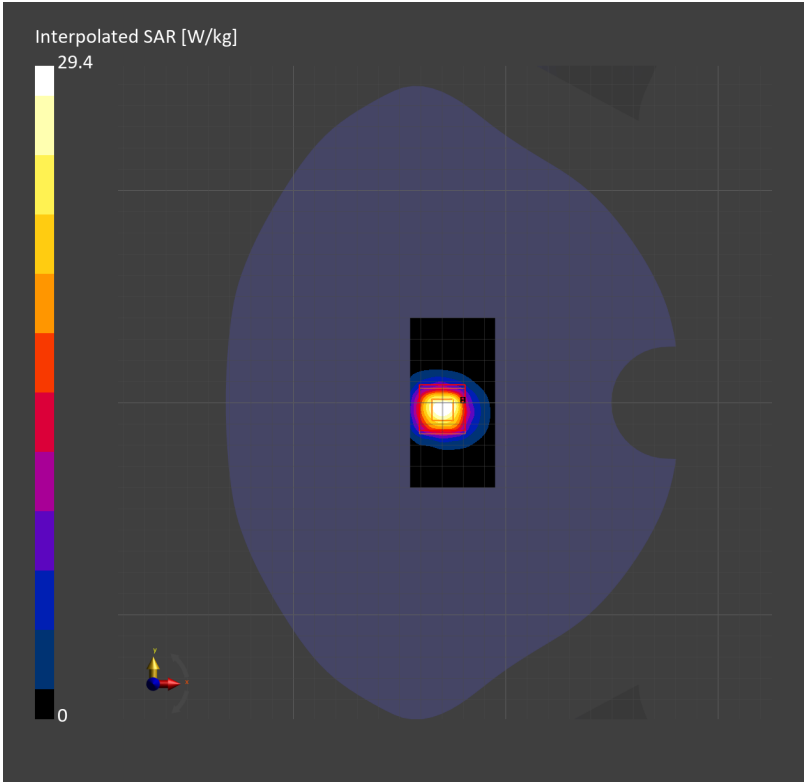
D5GHzV2-SN 1165

Communication System: ; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5250.000 MHz; σ = 4.74 S/m; ϵ_r = 36.8

- 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: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - 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) = 6.14 W/kg; SAR (10g) = 2.11 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 2 mm
Power Drift = -0.00 dB
SAR (1g) = 7.37 W/kg; SAR (10g) = 2.28 W/kg;
M2/M1 [%]=61.7
Dist 3dB Peak [mm]=8.2



System Performance Check 5600 MHz Head

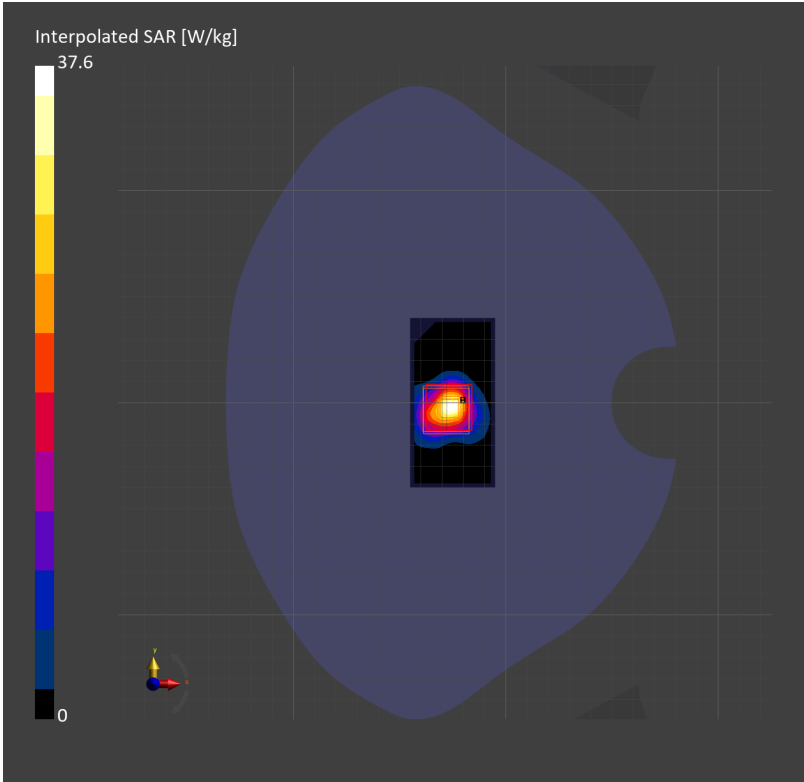
D5GHzV2-SN 1165

Communication System: ; Frequency: 5600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5600.000 MHz; σ = 5.13 S/m; ϵ_r = 35.9

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.07, 4.84, 4.98); Calibrated: 2024-11-20
 - 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 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.51 W/kg; SAR (10g) = 2.31 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 2 mm
Power Drift = -0.01 dB
SAR (1g) = 8.75 W/kg; SAR (10g) = 2.49 W/kg;
M2/M1 [%]=60.2
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; σ = 5.32 S/m; ϵ_r = 35.7

- 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: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - 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) = 6.54 W/kg; SAR (10g) = 2.06 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 2 mm
Power Drift = 0.02 dB
SAR (1g) = 7.75 W/kg; SAR (10g) = 2.19 W/kg;
M2/M1 [%]=58.9
Dist 3dB Peak [mm]=7.9

