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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

SGS-SAR Lab Date: 2025-01-03

System Performance Check 835MHz Head

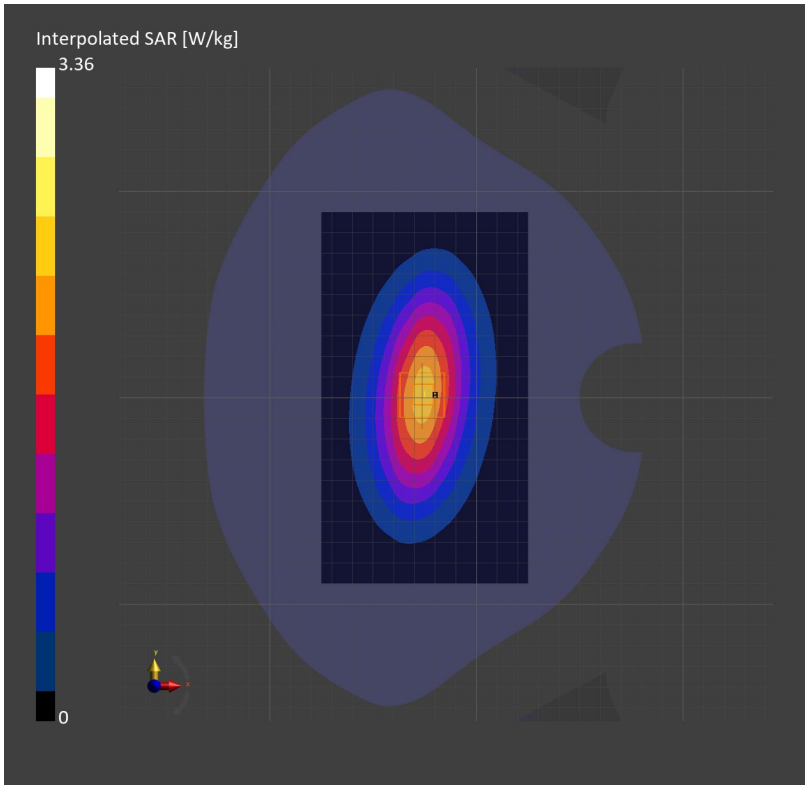
Device

Communication System: D835; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ= 0.880 S/m; ε_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



SGS-SAR Lab Date: 2025-01-04

System Performance Check 1950 MHz Head

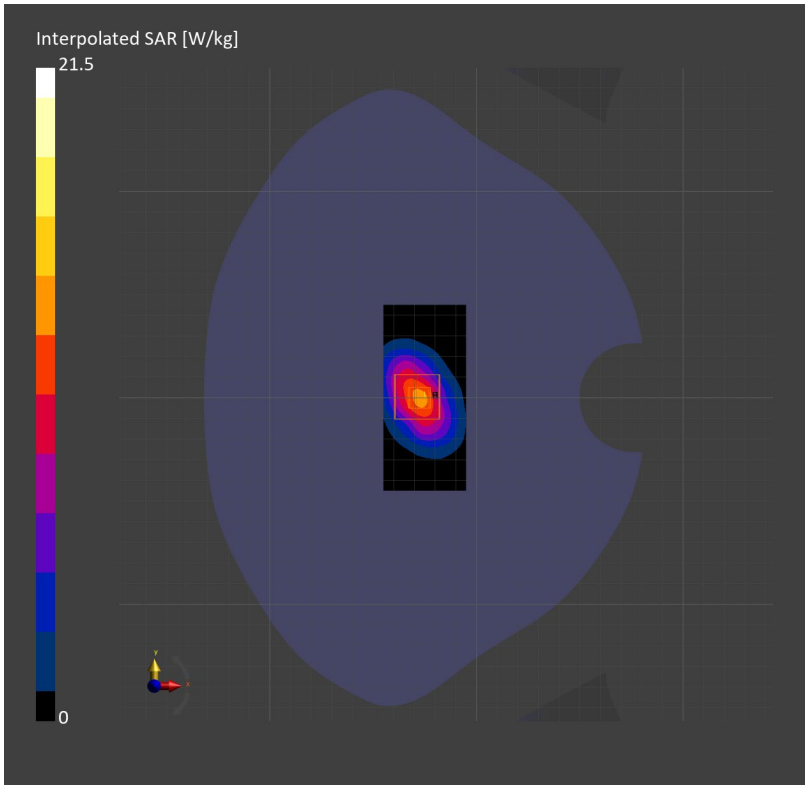
Device

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1950.000 MHz; σ= 1.39 S/m; ε_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



SGS-SAR Lab Date: 2025-01-02

System Performance Check 2600 MHz Head

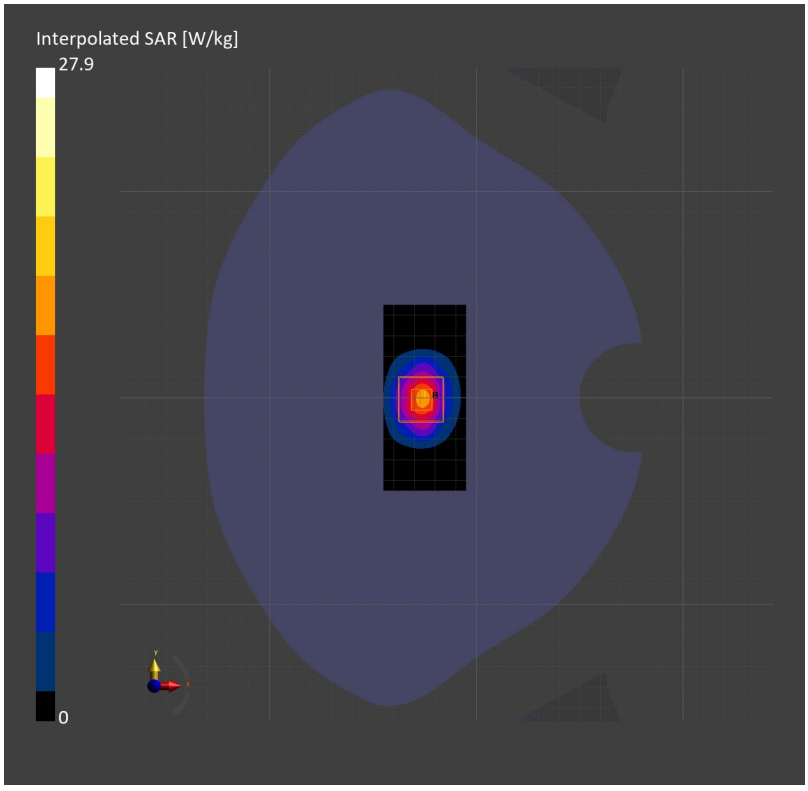
Device

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 2600.000 MHz; σ= 1.88 S/m; ε_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

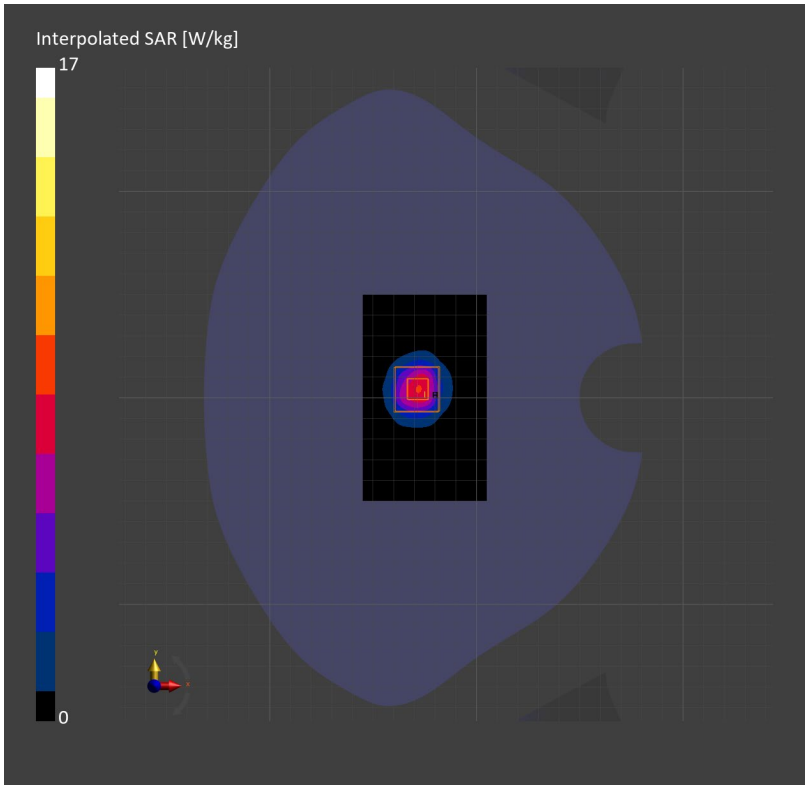
D3700V2-SN 1046

Communication System: D3700; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ= 3.04 S/m; ε_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



- End of the Appendix -