

# Appendix D

## Detailed System Check Results

|                                        |
|----------------------------------------|
| 1. System Performance Check            |
| System Performance Check 835 MHz Head  |
| System Performance Check 1750 MHz Head |
| System Performance Check 1900 MHz Head |
| System Performance Check 2450 MHz Head |
| System Performance Check 3500 MHz Head |
| System Performance Check 3700 MHz Head |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch  
 No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057  
 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 www.sgs.com.cn  
 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

Communication System: ; Frequency: 835.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 835.000$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 42.5$

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 (45.0 mm x 90.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 2.38 W/kg; SAR (10g) = 1.56 W/kg;

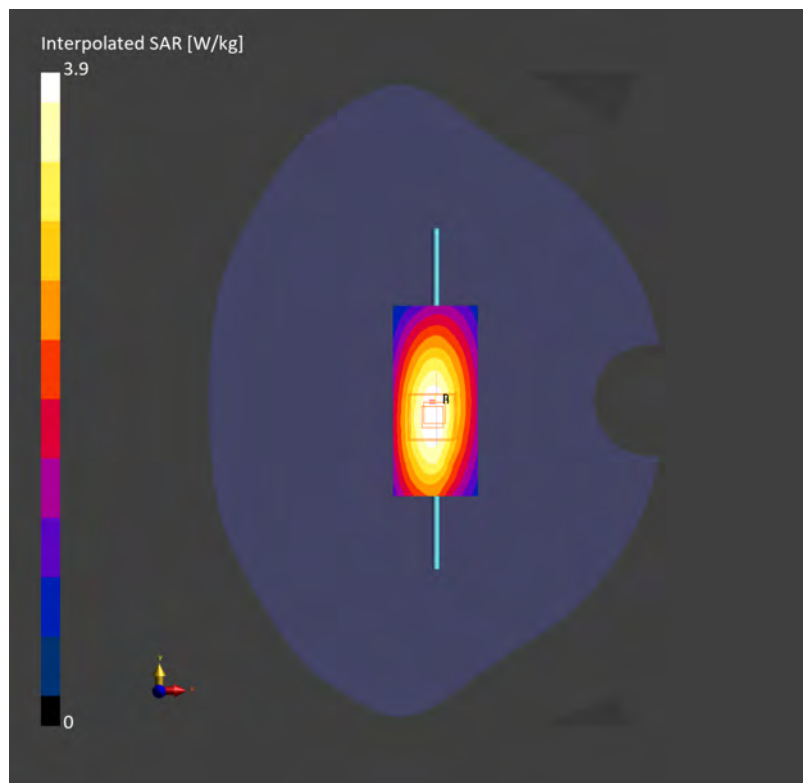
**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = -0.02 dB

**SAR (1g) = 2.51 W/kg; SAR (10g) = 1.58 W/kg;**

M2/M1 [%]=89.3

Dist 3dB Peak [mm]=16.8



**System Performance Check 1750MHz Head****D1750V2-SN 1149**

Communication System: ; Frequency: 1750.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 1750.000$  MHz;  $\sigma = 1.35$  S/m;  $\epsilon_r = 40.5$

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(8.19, 8.19, 8.19); 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 (45.0 mm x 90.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 9.02 W/kg; SAR (10g) = 4.88 W/kg;

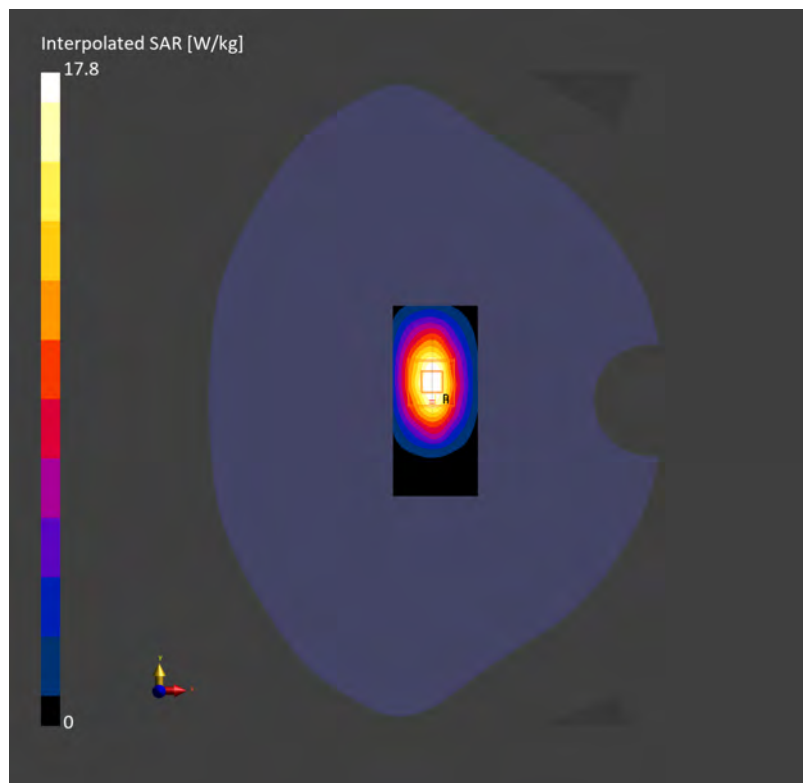
**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.03 dB

**SAR (1g) = 9.16 W/kg; SAR (10g) = 4.87 W/kg;**

M2/M1 [%]=80.2

Dist 3dB Peak [mm]=10.8



System Performance Check 1900MHz Head

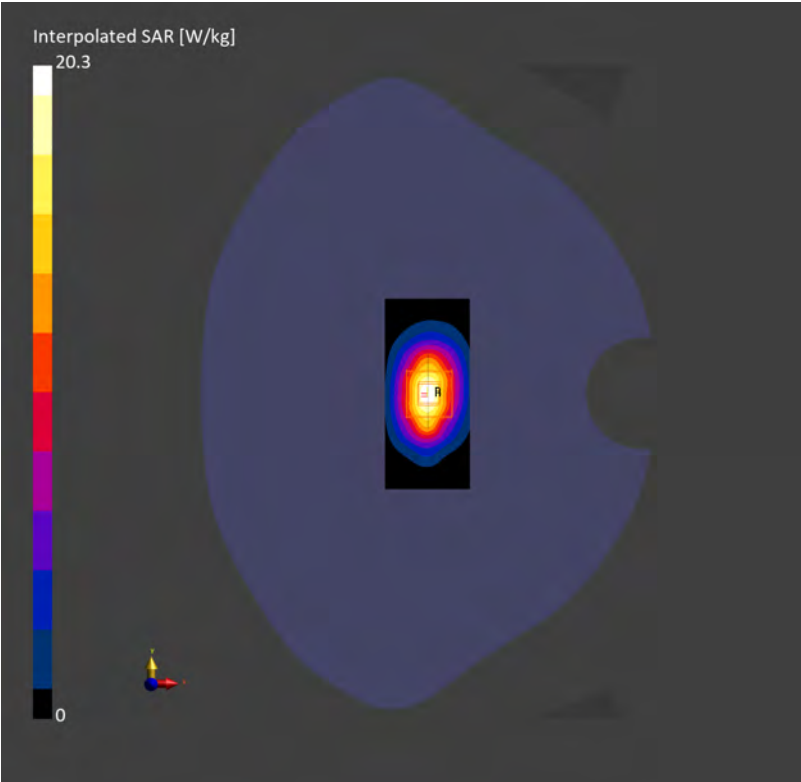
D1900V2- SN 5d028

Communication System: ; Frequency: 1900.000  
Medium: Head Simulating Liquid. Medium parameters used:  $f= 1900.000$  MHz;  $\sigma= 1.37$  S/m;  $\epsilon_r = 40.4$

- 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 (45.0 mm x 90.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm  
SAR (1g) = 10.3 W/kg; SAR (10g) = 5.46 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 = -0.08 dB  
**SAR (1g) = 10.6 W/kg; SAR (10g) = 5.53 W/kg;**  
M2/M1 [%]=84.0  
Dist 3dB Peak [mm]=8.8



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

Communication System: ; Frequency: 2450.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 2450.000$  MHz;  $\sigma = 1.79$  S/m;  $\epsilon_r = 39.9$

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(7.50, 7.50, 7.50); 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 (48.0 mm x 96.0 mm):** Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 14.0 W/kg; SAR (10g) = 6.38 W/kg;

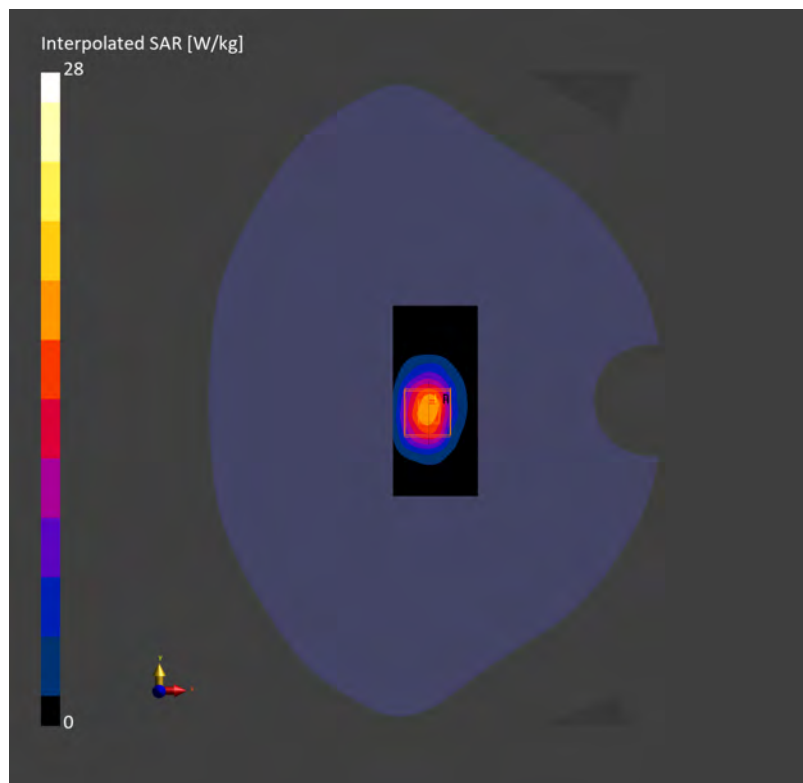
**Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm):** Measurement Grid: 5.0 mm x 5.0 mm x 5 mm

Power Drift = 0.02 dB

**SAR (1g) = 14.2 W/kg; SAR (10g) = 6.44 W/kg;**

M2/M1 [%]=82.7

Dist 3dB Peak [mm]=9.0



System Performance Check 3500MHz Head

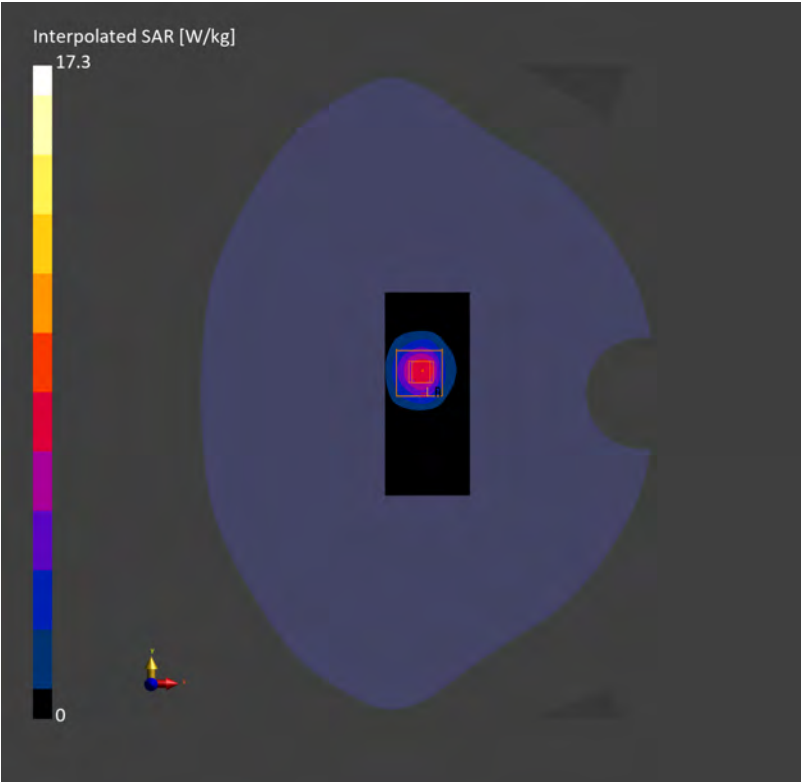
D3500V2-SN 1082

Communication System: ; Frequency: 3500.000  
Medium: Head Simulating Liquid. Medium parameters used:  $f= 3500.000$  MHz;  $\sigma= 2.82$  S/m;  $\epsilon_r = 37.7$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.70, 6.70, 6.70); 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 (48.0 mm x 96.0 mm):** Measurement Grid: 12.0 mm x 12.0 mm  
SAR (1g) = 6.36 W/kg; SAR (10g) = 2.46 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 = -0.05 dB  
**SAR (1g) = 6.63 W/kg; SAR (10g) = 2.55 W/kg;**  
M2/M1 [%]=74.8  
Dist 3dB Peak [mm]=8.6



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

Communication System: ; Frequency: 3700.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 3700.000$  MHz;  $\sigma = 2.99$  S/m;  $\epsilon_r = 36.6$

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); 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 (48.0 mm x 96.0 mm):** Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 6.98 W/kg; SAR (10g) = 2.49 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 = -0.09 dB

**SAR (1g) = 7.03 W/kg; SAR (10g) = 2.62 W/kg;**

M2/M1 [%]=74.3

Dist 3dB Peak [mm]=9.0

