

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 5600 MHz Head
System Performance Check 5750 MHz Head
System Performance Check 6500 MHz Head
System Performance Check for 10GHz Source



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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, China, Shenzhen EEC Laboratory.

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.ssgsgroup.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

System Performance Check 2450 MHz Head

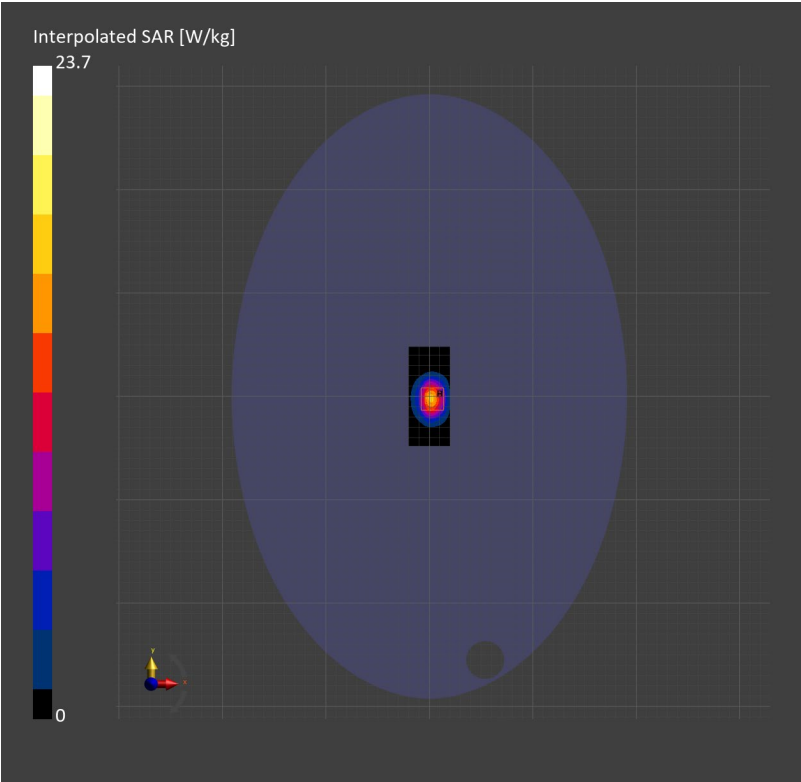
DUT:2450V2-SN 733

Communication System: ; Frequency: 2450.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 2450.000$ MHz; $\sigma= 1.76$ S/m; $\epsilon_r = 40.0$

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-28
 - Phantom: ELI V4.0 (20deg probe tilt); Serial: 1123
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm
SAR (1g) = 12.5 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 = 0.02 dB
SAR (1g) = 12.6 W/kg; SAR (10g) = 6.30 W/kg;
M2/M1 [%]=84.8
Dist 3dB Peak [mm]=9.9



System Performance Check 5250 MHz Head

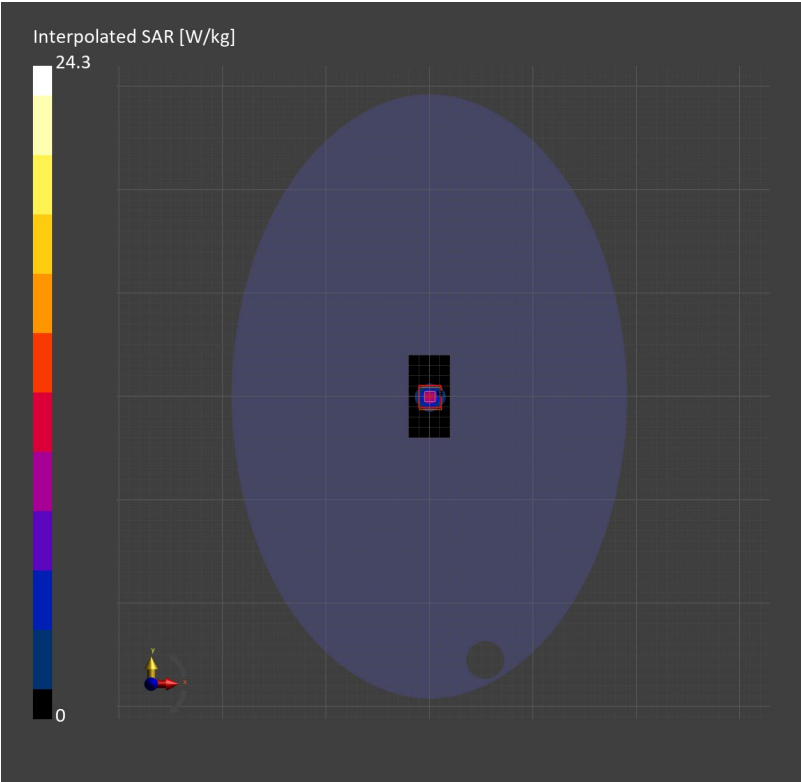
DUT:5GV2-SN 1165

Communication System: ; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 5250.000$ MHz; $\sigma= 4.58$ S/m; $\epsilon_r = 35.7$

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-28
 - Phantom: ELI V4.0 (20deg probe tilt); Serial: 1123
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.23 W/kg; SAR (10g) = 2.03 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 = 0.04 dB
SAR (1g) = 7.32 W/kg; SAR (10g) = 2.21 W/kg;
M2/M1 [%]=71.3
Dist 3dB Peak [mm]=6.6



System Performance Check 5600 MHz Head

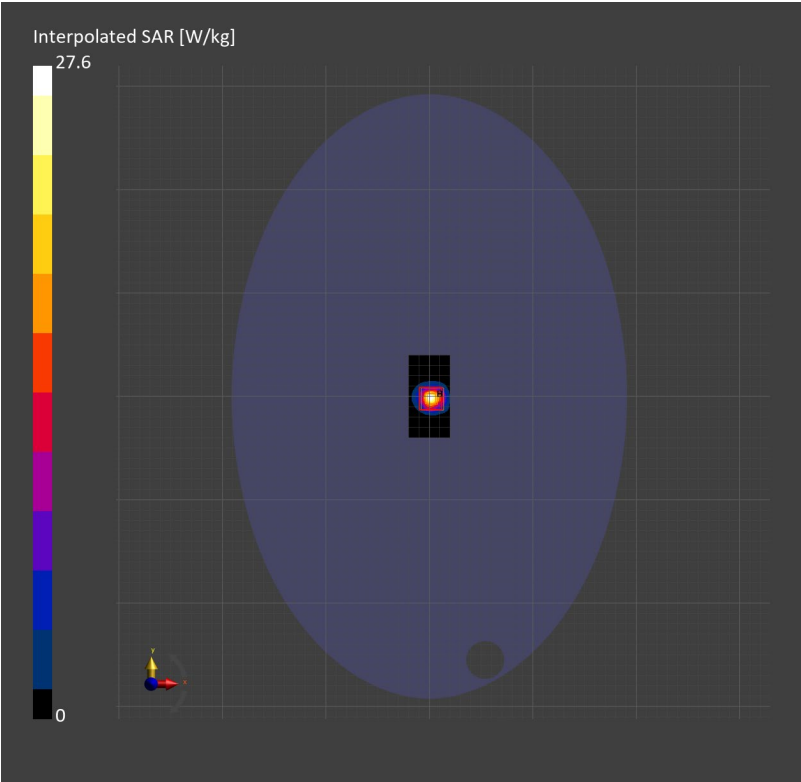
DUT:5GV2-SN 1165

Communication System: ; Frequency: 5600.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 5600.000$ MHz; $\sigma= 4.96$ S/m; $\epsilon_r = 34.8$

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.07, 4.84, 4.98); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-28
 - Phantom: ELI V4.0 (20deg probe tilt); Serial: 1123
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.92 W/kg; SAR (10g) = 2.38 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) = 8.14 W/kg; SAR (10g) = 2.50 W/kg;
M2/M1 [%]=70.0
Dist 3dB Peak [mm]=6.9



System Performance Check 5750 MHz Head

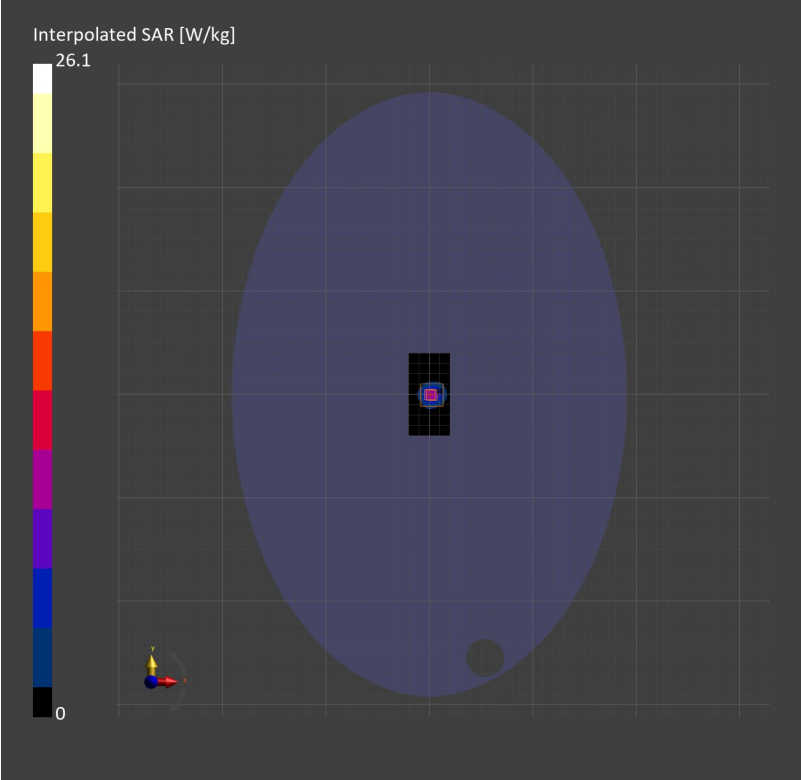
DUT:5GV2-SN 1165

Communication System: ; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: $f= 5750.000$ MHz; $\sigma= 5.15$ S/m; $\epsilon_r = 34.7$

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.18, 4.94, 5.09); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-28
 - Phantom: ELI V4.0 (20deg probe tilt); Serial: 1123
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.16 W/kg; SAR (10g) = 2.07 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 = 0.03 dB
SAR (1g) = 7.30 W/kg; SAR (10g) = 2.18 W/kg;
M2/M1 [%]=68.7
Dist 3dB Peak [mm]=7.2



System Performance Check 6.5 GHz Head

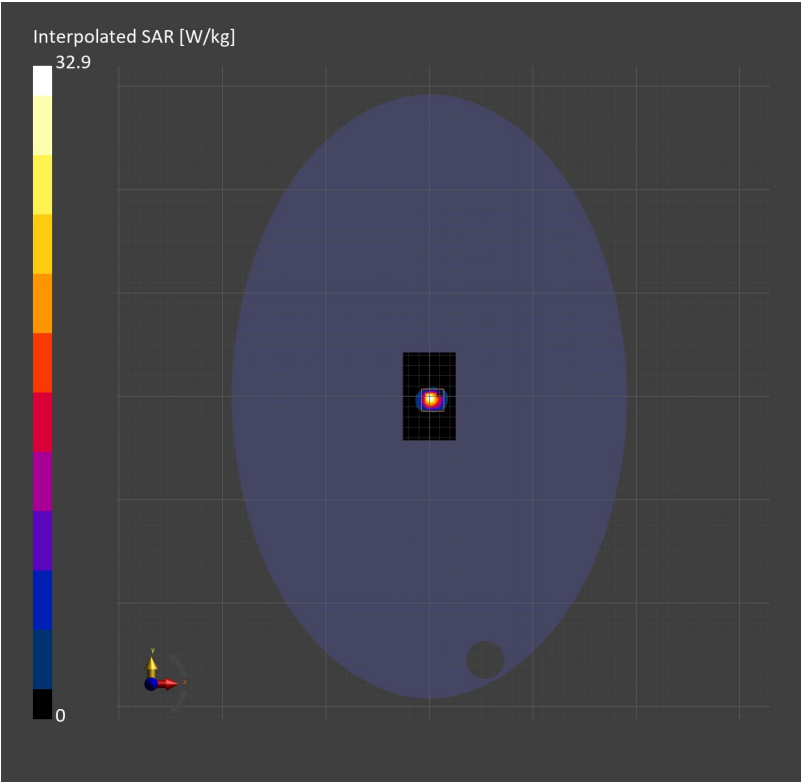
DUT:6500V2-SN 1102

Communication System: ; Frequency: 6500.000
Medium: Head Simulating Liquid. Medium parameters used: $f=6500.000$ MHz; $\sigma=6.27$ S/m; $\epsilon_r=34.2$

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.2, 4.96, 5.11); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-28
 - Phantom: ELI V4.0 (20deg probe tilt); Serial: 1123
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 21.2 W/kg; SAR (10g) = 5.28 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm
Power Drift = 0.09 dB
SAR (1g) = 26.5 W/kg; SAR (10g) = 5.92 W/kg;
M2/M1 [%]=59.0
Dist 3dB Peak [mm]=5.2



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
10G Source, SPEAG	100.0 x 100.0 x 150.0	Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air –	EUmmWV4 – SN9533_F1–55GHz, 2024–08–23	DAE4 Sn1663, 2025–04–28

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025–06–23
Avg. Area [cm2]	4.00
psPDn+ [W/m2]	184
psPDtot+ [W/m2]	185
psPDmod+ [W/m2]	190
E _{max} [V/m]	301
Power Drift [dB]	–0.01

