

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2025/08/21

System Check_Head_13MHz

DUT: CLA13-1011

Communication System: UID 0, CW; Frequency: 13 MHz

Medium: HSL_13_250821 Medium parameters used : $f = 13$ MHz; $\sigma = 0.728$ S/m; $\epsilon_r = 54.453$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(16.65, 15.49, 16.14) @ 13 MHz; Calibrated: 2024/11/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn661; Calibrated: 2025/5/19
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 Bx; Serial: 1079
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Pin=1000mW/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.678 W/kg

Pin=1000mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.88 V/m; Power Drift = -0.02 dB

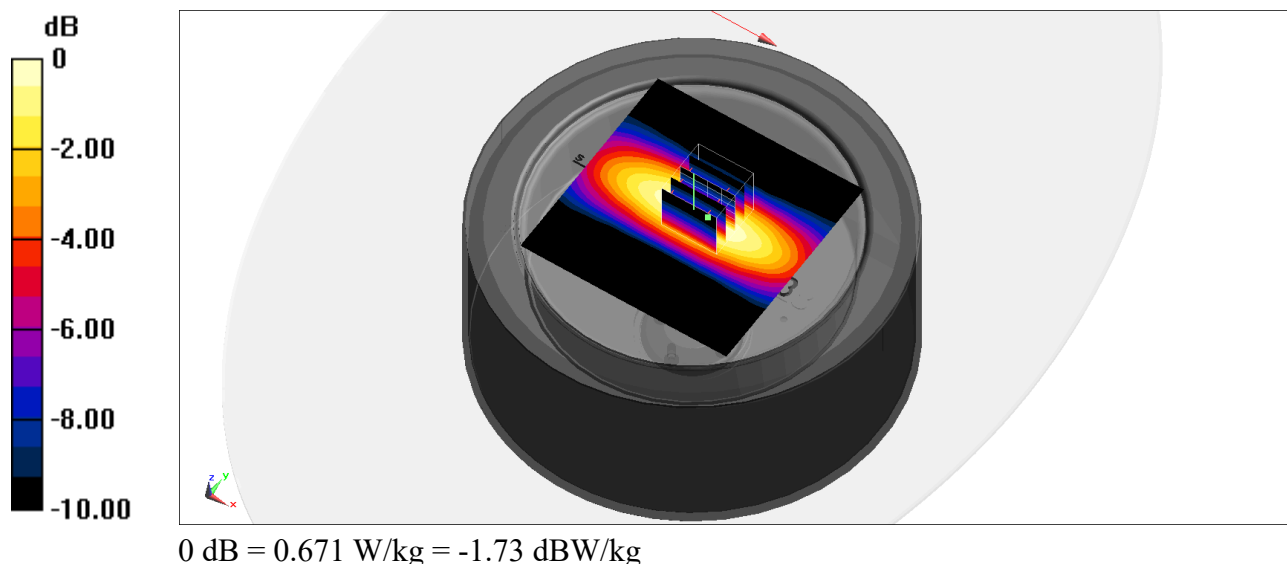
Peak SAR (extrapolated) = 0.857 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.324 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.671 W/kg



Date: 2025-08-27

System Check_Head_2450MHz**DUT: D2450V2 - SN929**

Communication System: CW; Frequency: 2450.000 MHz

Medium: HSL_2450_250827 Medium parameters used: $f = 2450.000$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.6$

Ambient Temperature: 23.7°C; Liquid Temperature: 22.7°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.07, 7.59, 6.97); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2025-03-14
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: CW, 0

Pin=24.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 12.4 W/kg; SAR (10g) = 5.93 W/kg;

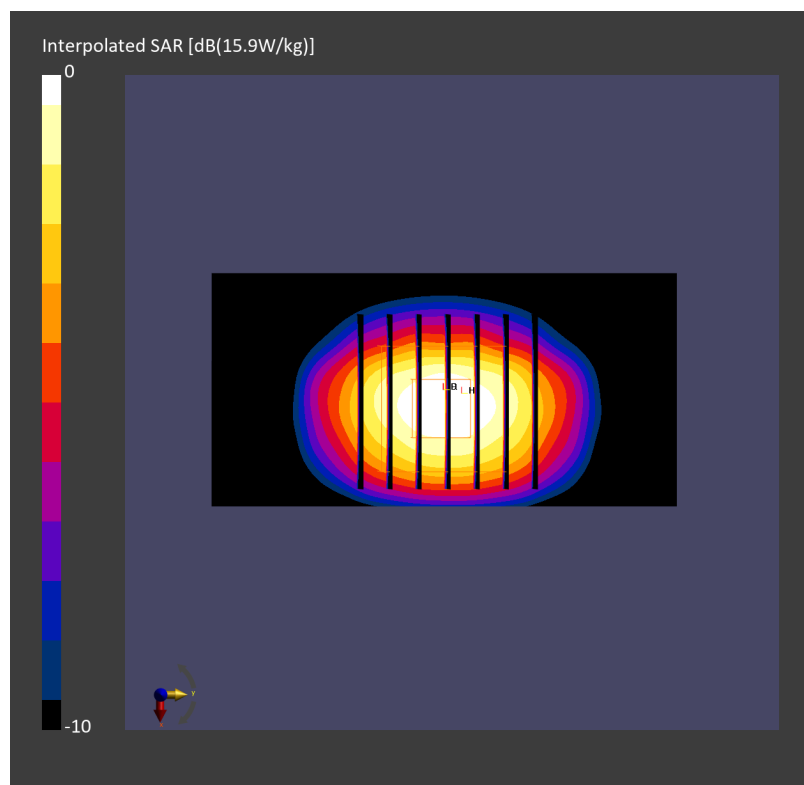
Pin=24.0dBm/Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.02 dB

SAR (1g) = 12.7 W/kg; SAR (8g) = 6.68 W/kg; SAR (10g) = 6.08 W/kg

Smallest distance from peaks to all points 3 dB below = 9.0 mm

Ratio of SAR at M2 to SAR at M1 = 83.9 %



Date: 2025-08-26

System Check_Head_5250MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5250.000 MHz

Medium: HSL_5G_250826 Medium parameters used: $f = 5250.000$ MHz; $\sigma = 4.64$ S/m; $\epsilon_r = 36.2$

Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.29, 5.68, 5.21); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2025-03-14
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: CW, 0

Pin=20.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 7.32 W/kg; SAR (10g) = 2.19 W/kg;

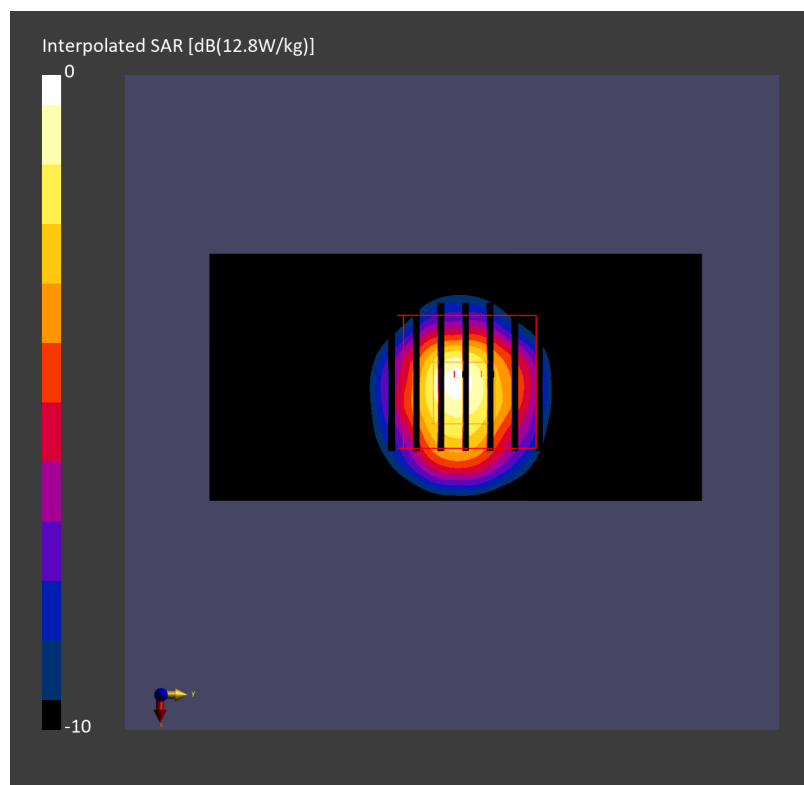
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.00 dB

SAR (1g) = 8.26 W/kg; SAR (8g) = 2.75 W/kg; SAR (10g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.9 %



Date: 2025-08-26

System Check_Head_5600MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5600.000 MHz

Medium: HSL_5G_250826 Medium parameters used: $f = 5600.000$ MHz; $\sigma = 4.97$ S/m; $\epsilon_r = 35.8$

Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.07, 5.44, 4.99); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2025-03-14
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: CW, 0

Pin=20.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 7.14 W/kg; SAR (10g) = 2.14 W/kg;

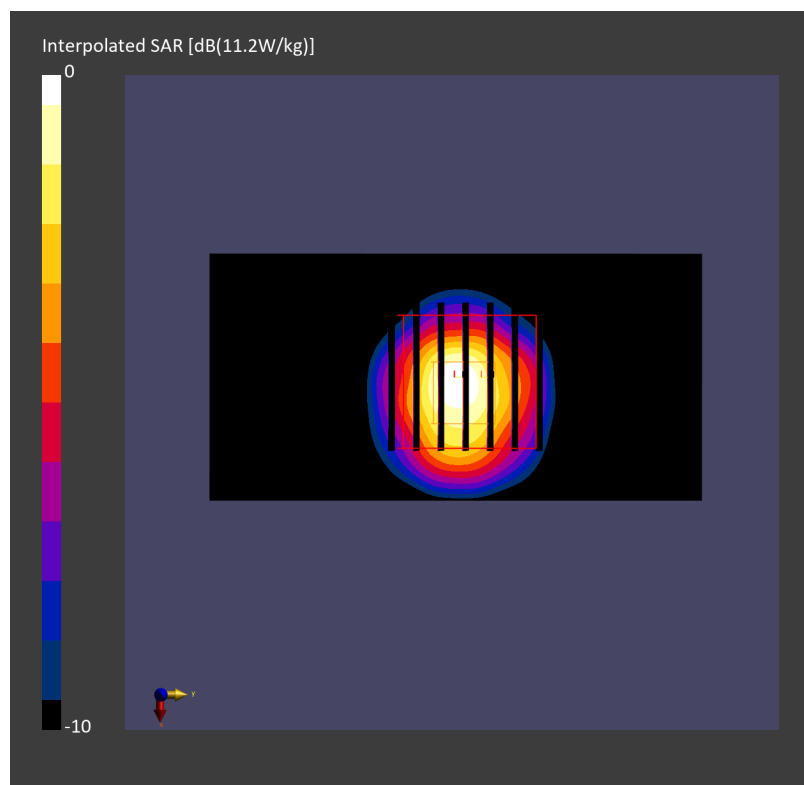
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.01 dB

SAR (1g) = 8.08 W/kg; SAR (8g) = 2.69 W/kg; SAR (10g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.9 %



Date: 2025-08-26

System Check_Head_5800MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5800.000 MHz

Medium: HSL_5G_250826 Medium parameters used: $f = 5800.000$ MHz; $\sigma = 5.19$ S/m; $\epsilon_r = 35.5$

Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 5.28, 4.85); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2025-03-14
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: CW, 0

Pin=20.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 7.22 W/kg; SAR (10g) = 2.14 W/kg;

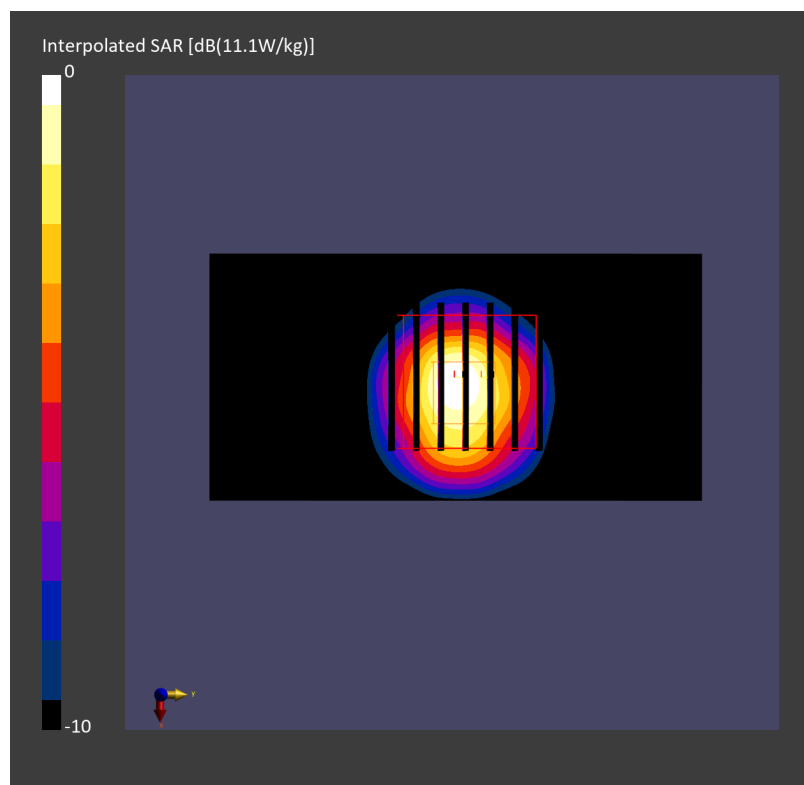
Pin=20.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.01 dB

SAR (1g) = 8.19 W/kg; SAR (8g) = 2.71 W/kg; SAR (10g) = 2.34 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.2 %



Date: 2025-08-27

System Check_Head_6500MHz**DUT: D6.5GHzV2 - SN1083**

Communication System: CW; Frequency: 6500.000 MHz

Medium: HSL_6G_250827 Medium parameters used: $f = 6500.000$ MHz; $\sigma = 6.09$ S/m; $\epsilon_r = 34.9$

Ambient Temperature: 23.7°C; Liquid Temperature: 22.7°C

DASY8 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.31, 5.7, 5.23); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2025-03-14
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.4.0.5005
- UID: CW, 0

Pin=20.0dBm/Area Scan (51.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 20.8 W/kg; SAR (10g) = 4.64 W/kg;

Pin=20.0dBm/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 = 0.04 dB

SAR (1g) = 28.1 W/kg; SAR (8g) = 6.38 W/kg; SAR (10g) = 5.23 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 50.9 %

psAPD (1.0cm², sq) = 281 [W/m²]; psAPD (4.0cm², sq) = 128 [W/m²]