

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

Date: 2025/05/05

System Check_Head_13MHz

DUT: CLA13-1011

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

Medium: HSL_13_250505 Medium parameters used: $f = 13$ MHz; $\sigma = 0.757$ S/m; $\epsilon_r = 53.245$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °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 Sn1805; Calibrated: 2024/5/22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2055
- 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) = 0.751 W/kg

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

Reference Value = 29.90 V/m; Power Drift = -0.02 dB

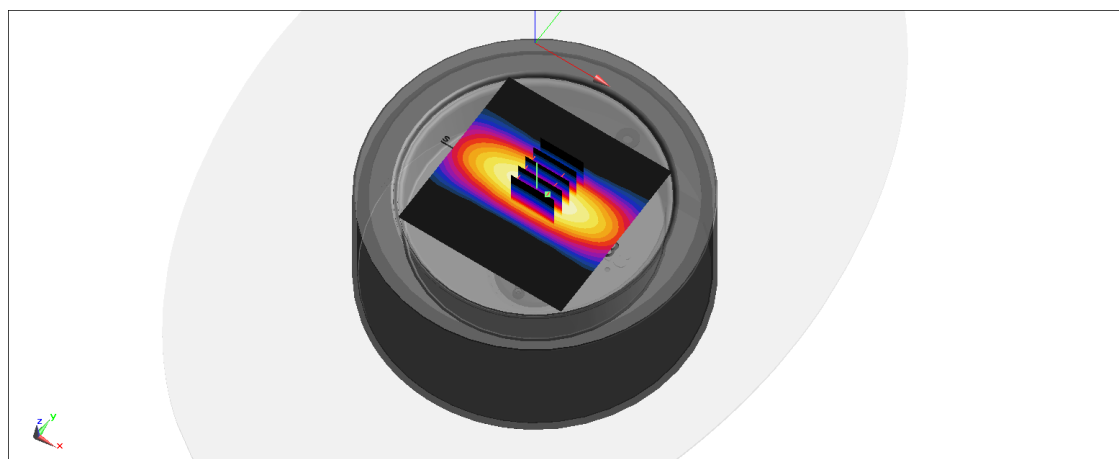
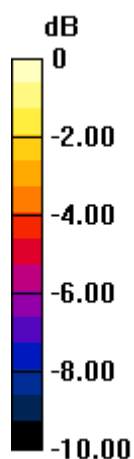
Peak SAR (extrapolated) = 0.948 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.309 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) = 0.743 W/kg



0 dB = 0.743 W/kg = -1.29 dBW/kg

Date: 2025-04-29

System Check_Head_2450MHz**DUT: D2450V2 - SN929**

Communication System: CW; Frequency: 2450.000 MHz

Medium: HSL_2450_250429 Medium parameters used: $f = 2450.000$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 39.6$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY6 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.07, 7.59, 6.97); Calibrated: 2025-01-23
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1805; Calibrated: 2024-05-22
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2055_for Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.49 W/kg; SAR (10g) = 1.16 W/kg;

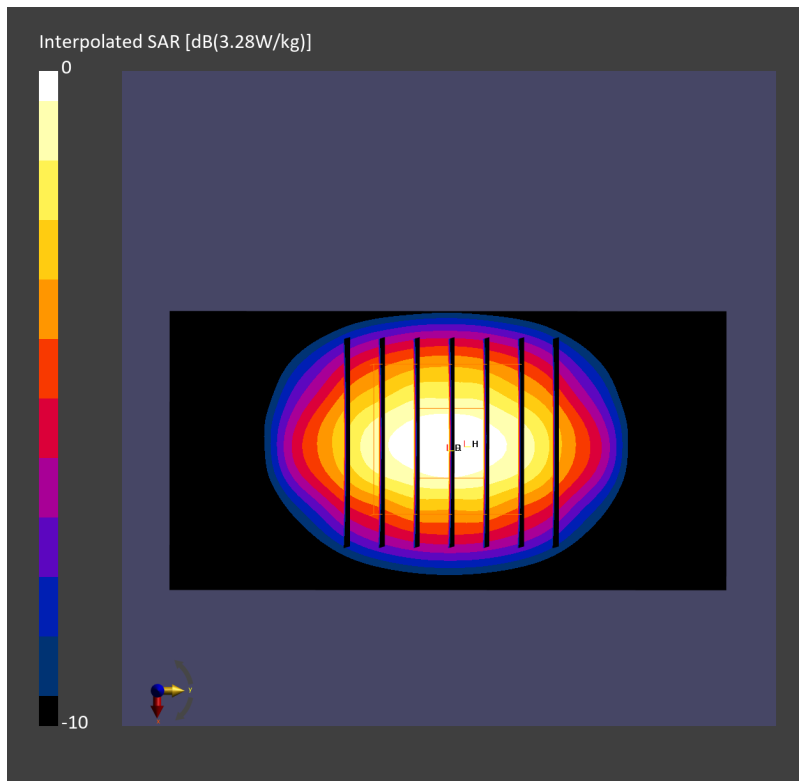
Pin=17.0dBm/Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.02 dB

SAR (1g) = 2.53 W/kg; SAR (8g) = 1.32 W/kg; SAR (10g) = 1.20 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 81.1 %



Date: 2025-05-07

System Check_Head_2450MHz**DUT: D2450V2 - SN929**

Communication System: CW; Frequency: 2450.000 MHz

Medium: HSL_2450_250507 Medium parameters used: $f = 2450.000$ MHz; $\sigma = 1.85$ S/m; $\epsilon_r = 40.4$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY6 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: 2055_for Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.46 W/kg; SAR (10g) = 1.18 W/kg;

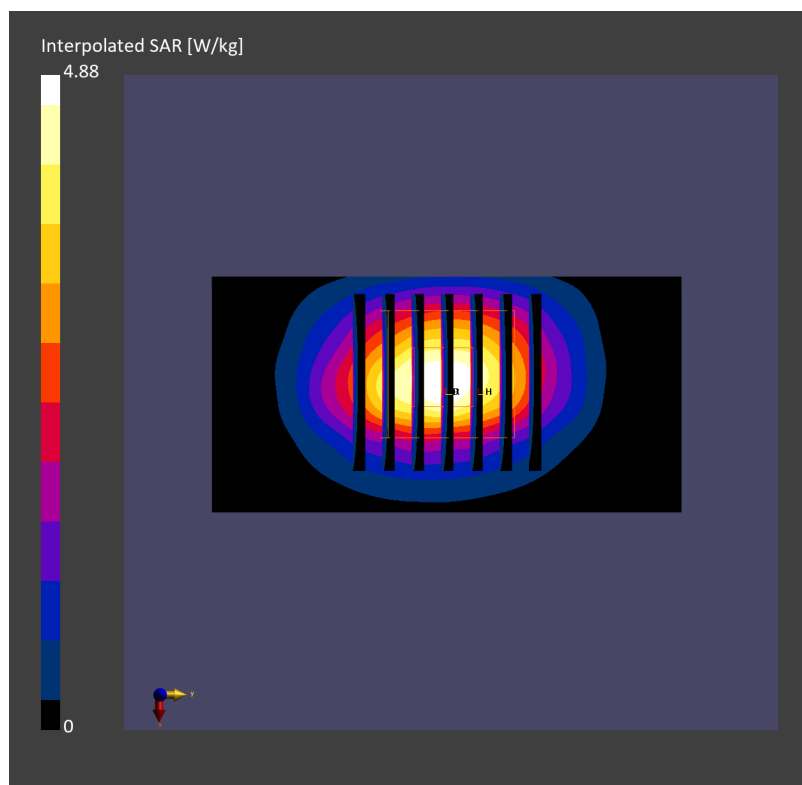
Pin=17.0dBm/Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.01 dB

SAR (1g) = 2.52 W/kg; SAR (8g) = 1.32 W/kg; SAR (10g) = 1.20 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 82.3 %



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

Date: 2025/6/6

System Check_Head_2450MHz

DUT: D2450V2-929

Communication System: UID 0, CW; Frequency: 2450 MHz

Medium: HSL_2450_250606 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 39.22$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7625; ConvF(7, 6.83, 7.4) @ 2450 MHz; Calibrated: 2024/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1647; Calibrated: 2024/10/15
- Phantom: ELI V4.0; Type: QD OVA 001 Bx; Serial: 1164
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.21 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.97 V/m; Power Drift = -0.02 dB

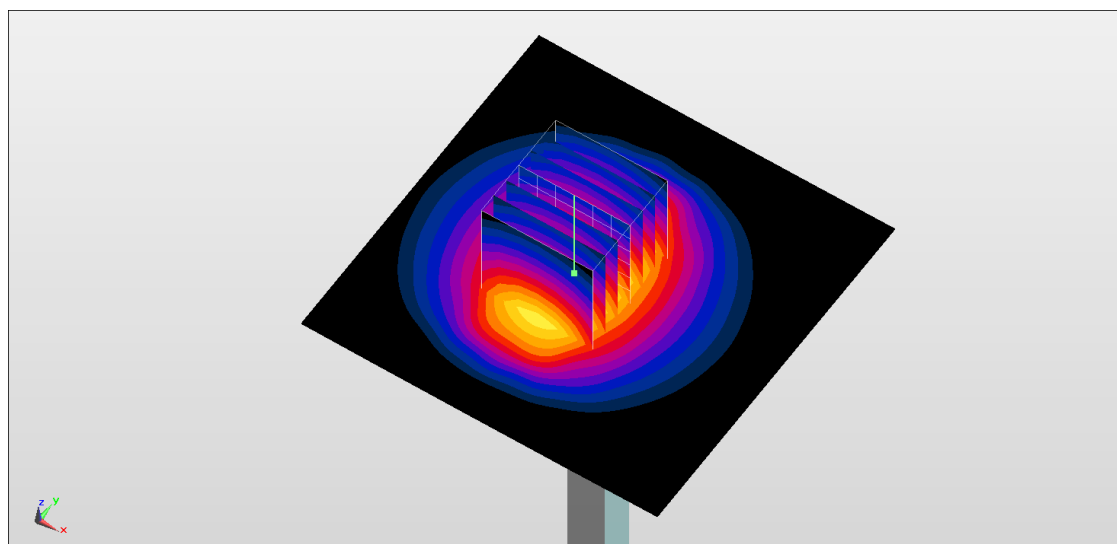
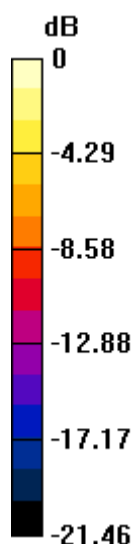
Peak SAR (extrapolated) = 5.15 W/kg

SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.23 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

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

Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 4.27 W/kg = 6.30 dBW/kg

Date: 2025-05-08

System Check_Head_5250MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5250.000 MHz

Medium: HSL_5G_250508 Medium parameters used: $f = 5250.000$ MHz; $\sigma = 4.67$ S/m; $\epsilon_r = 36.4$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY6 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: 2055_for Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.26 W/kg; SAR (10g) = 0.984 W/kg;

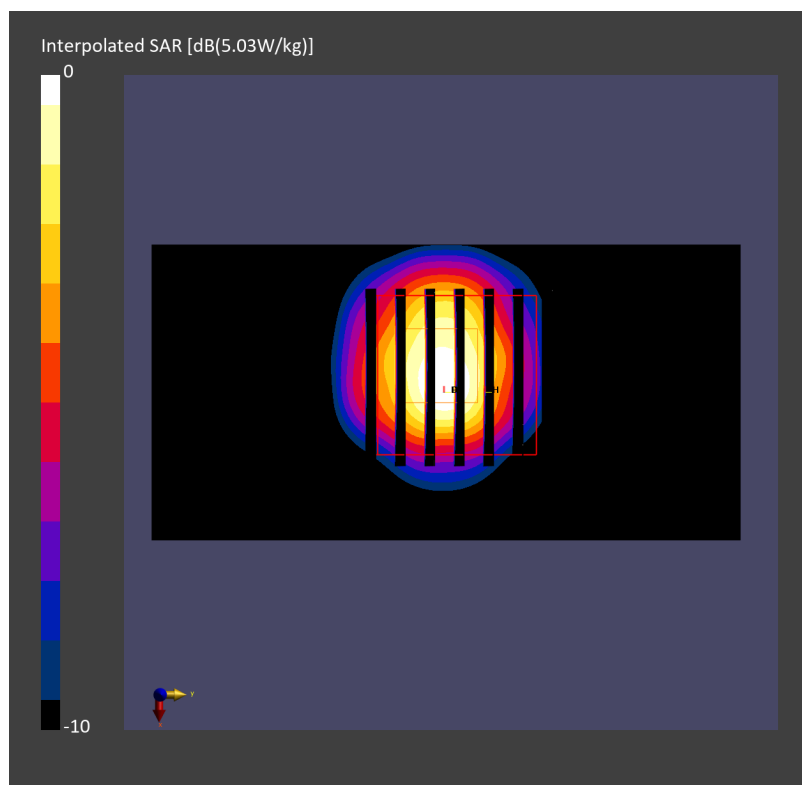
Pin=17.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.11 dB

SAR (1g) = 3.66 W/kg; SAR (8g) = 1.21 W/kg; SAR (10g) = 1.03 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.8 %



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

Date: 2025/5/16

System Check_Head_5250MHz

DUT: D5GHzV2-1171

Communication System: CW; Frequency: 5250 MHz; Duty Cycle:1:1

Medium: HSL_5G_250516 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.711$ S/m; $\epsilon_r = 36.619$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7814; ConvF(5.59, 5.35, 5.48) @ 5250 MHz; Calibrated: 2024/6/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1647; Calibrated: 2024/10/15
- 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=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.23 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.69 V/m; Power Drift = 0.05 dB

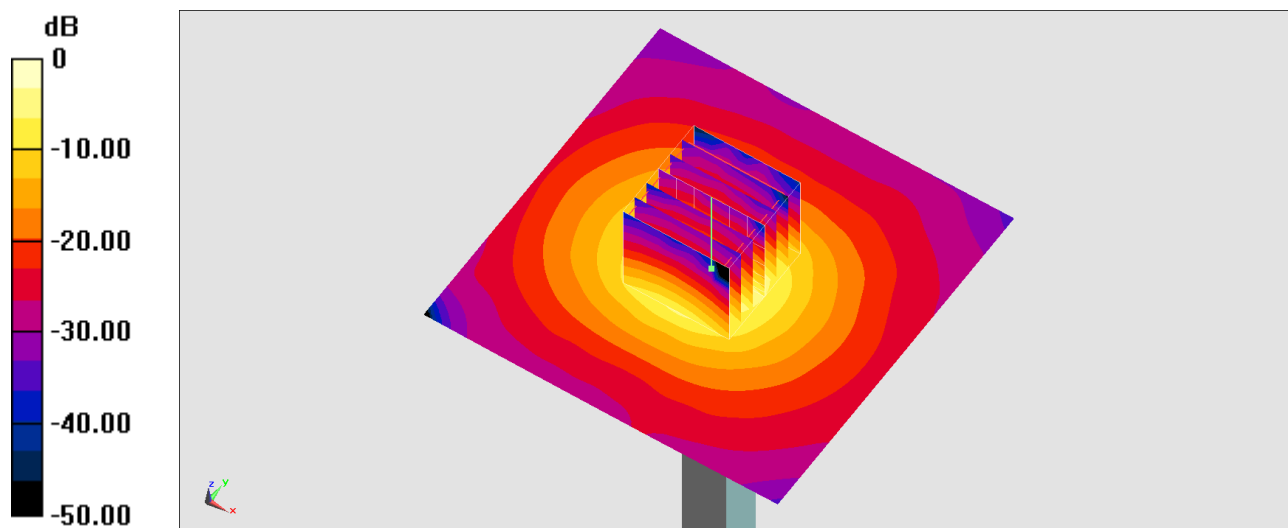
Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 3.7 W/kg; SAR(10 g) = 1.06 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

Maximum value of SAR (measured) = 9.47 W/kg



0 dB = 9.47 W/kg = 9.76 dBW/kg

Date: 2025-05-08

System Check_Head_5600MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5600.000 MHz

Medium: HSL_5G_250508 Medium parameters used: $f = 5600.000$ MHz; $\sigma = 5.03$ S/m; $\epsilon_r = 35.9$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY6 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: 2055_for Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.29 W/kg; SAR (10g) = 0.987 W/kg;

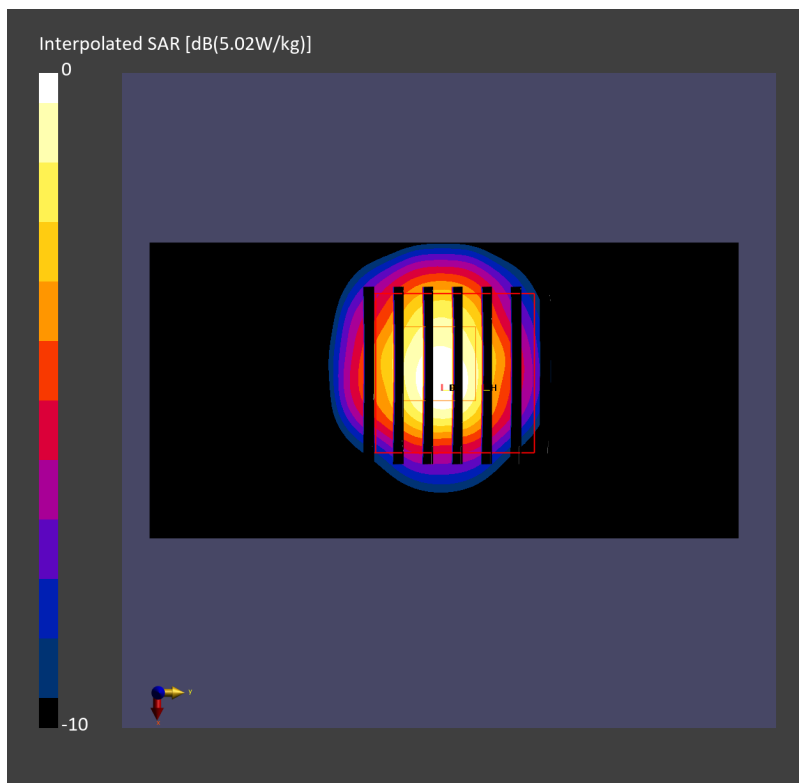
Pin=17.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.02 dB

SAR (1g) = 3.80 W/kg; SAR (8g) = 1.25 W/kg; SAR (10g) = 1.07 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.7 %



Date: 2025-05-08

System Check_Head_5800MHz**DUT: D5GHzV2 - SN1006**

Communication System: CW; Frequency: 5800.000 MHz

Medium: HSL_5G_250508 Medium parameters used: $f = 5800.000$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 35.6$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.4°C

DASY6 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: 2055_for Gap; Section: Flat
- Measurement Software: 16.2.4.2524
- UID: CW, 0--

Pin=17.0dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.17 W/kg; SAR (10g) = 0.962 W/kg;

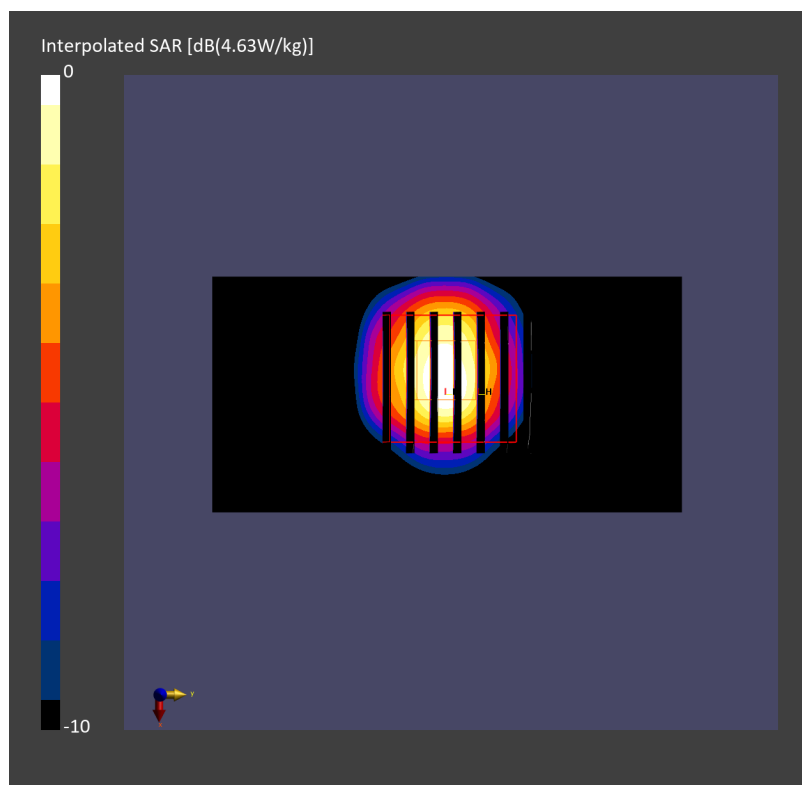
Pin=17.0dBm/Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.01 dB

SAR (1g) = 3.68 W/kg; SAR (8g) = 1.21 W/kg; SAR (10g) = 1.03 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.7 %



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

Date: 2025/6/6

System Check_Head_5800MHz

DUT: D5GHzV2-1006

Communication System: UID 0, CW; Frequency: 5800 MHz

Medium: HSL_5G_250606 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.233$ S/m; $\epsilon_r = 35.031$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7625; ConvF(4.92, 4.81, 5.2) @ 5800 MHz; Calibrated: 2024/12/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1647; Calibrated: 2024/10/15
- Phantom: ELI V4.0; Type: QD OVA 001 Bx; Serial: 1164
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.12 V/m; Power Drift = 0.05 dB

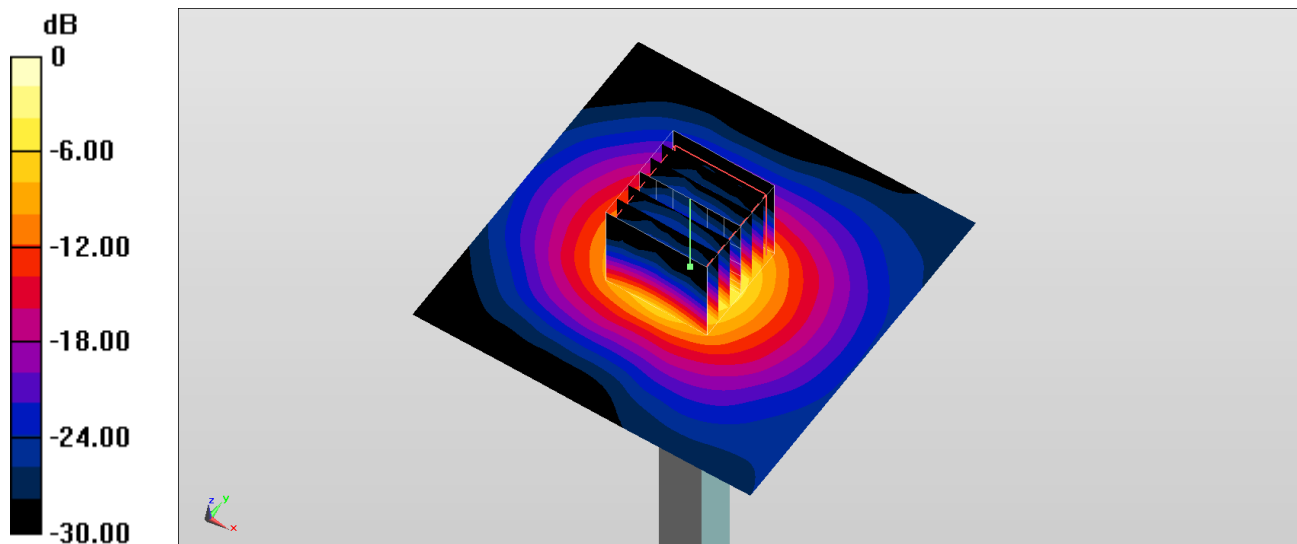
Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 1.17 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.3%

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg