

System Check_Head_13MHz

DUT: CLA13-1011

Communication System: CW; Frequency: 13 MHz; Duty Cycle: 1:1

Medium: HSL_13_220812 Medium parameters used : $f = 13 \text{ MHz}$; $\sigma = 0.726 \text{ S/m}$; $\epsilon_r = 54.435$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(18.36, 18.36, 18.36) @ 13 MHz; Calibrated: 2021/10/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2022/2/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.243 W/kg

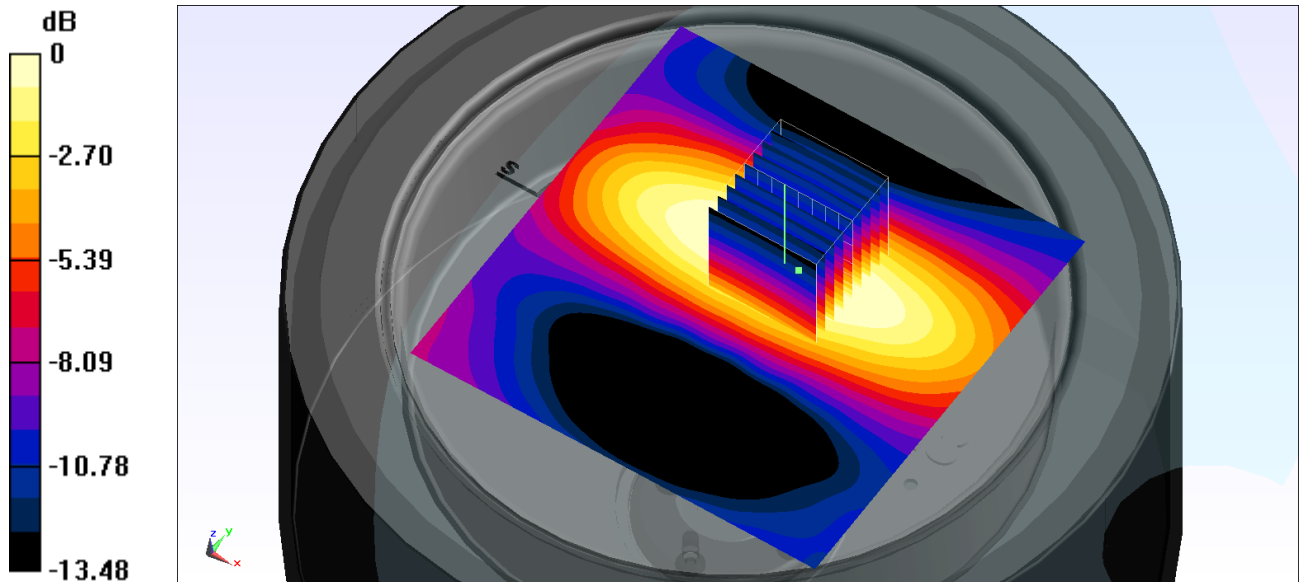
Pin=250mW/Zoom Scan (9x9x8)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 12.68 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.143 W/kg ; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.212 W/kg



$0 \text{ dB} = 0.212 \text{ W/kg} = -6.74 \text{ dBW/kg}$

System Check_Head_750MHz

DUT: D750V2-1117

Communication System: Frequency: 750.0 ; Duty Cycle: 1:1

Medium: HSL_750_220722 Medium parameters used: $f = 750.0$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 42.5$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(10.45, 10.45, 10.45); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

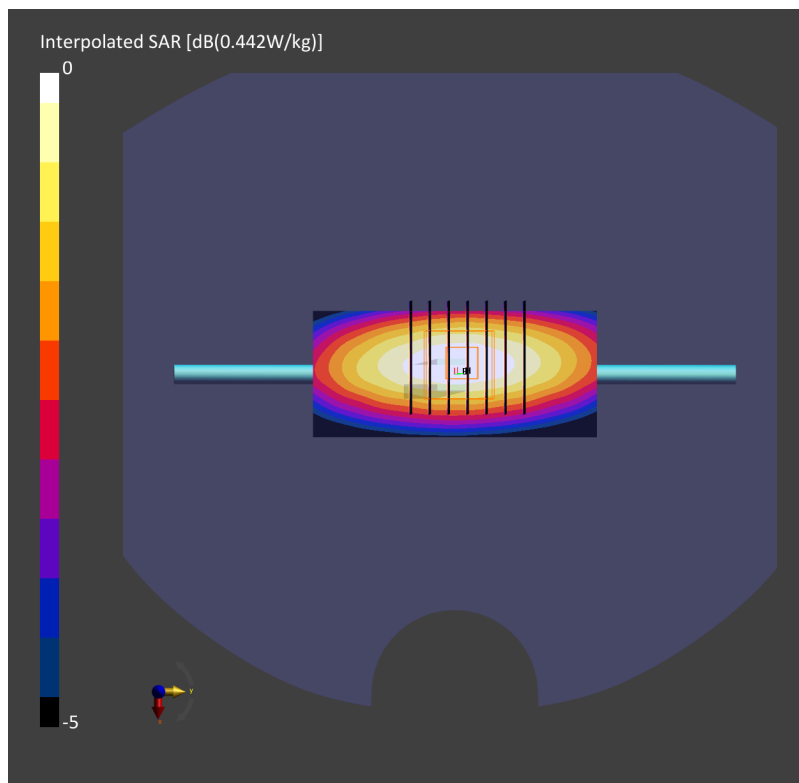
SAR (1g) = 0.387 W/kg; SAR (10g) = 0.260 W/kg;

Pin=50mW/Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.01 dB

SAR (1g) = 0.386 W/kg; SAR (8g) = 0.269 W/kg; SAR (10g) = 0.255 W/kg;

psAPD (1.0cm², sq) = 3.86 [W/m²]; psAPD (4.0cm², sq) = 5.37 [W/m²]



System Check_Head_835MHz

DUT: D835V2-4d167

Communication System: Frequency: 835.0 ; Duty Cycle: 1:1

Medium: HSL_835_220722 Medium parameters used: $f = 835.0$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 42.1$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(10.21, 10.21, 10.21); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

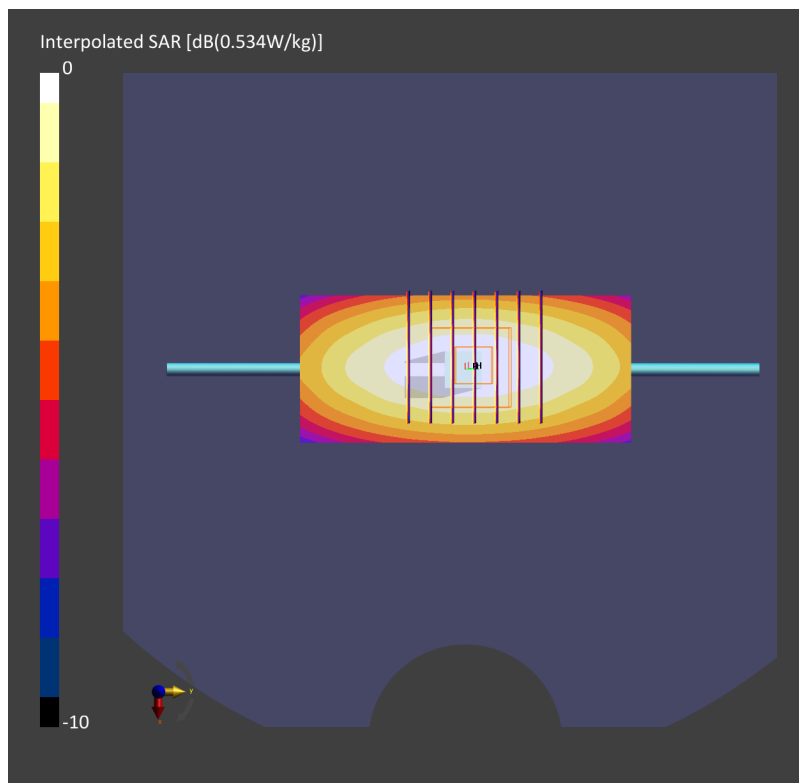
SAR (1g) = 0.462 W/kg; SAR (10g) = 0.305 W/kg;

Pin=50mW/Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.04 dB

SAR (1g) = 0.465 W/kg; SAR (8g) = 0.320 W/kg; SAR (10g) = 0.303 W/kg;

psAPD (1.0cm², sq) = 4.65 [W/m²]; psAPD (4.0cm², sq) = 6.40 [W/m²]



System Check_Head_1750MHz

DUT: D1750V2-1120

Communication System: ; Frequency: 1750.0 ; Duty Cycle: 1:1

Medium: HSL_1750_220707 Medium parameters used: $f = 1750.0$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.7$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(9.0, 9.0, 9.0); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

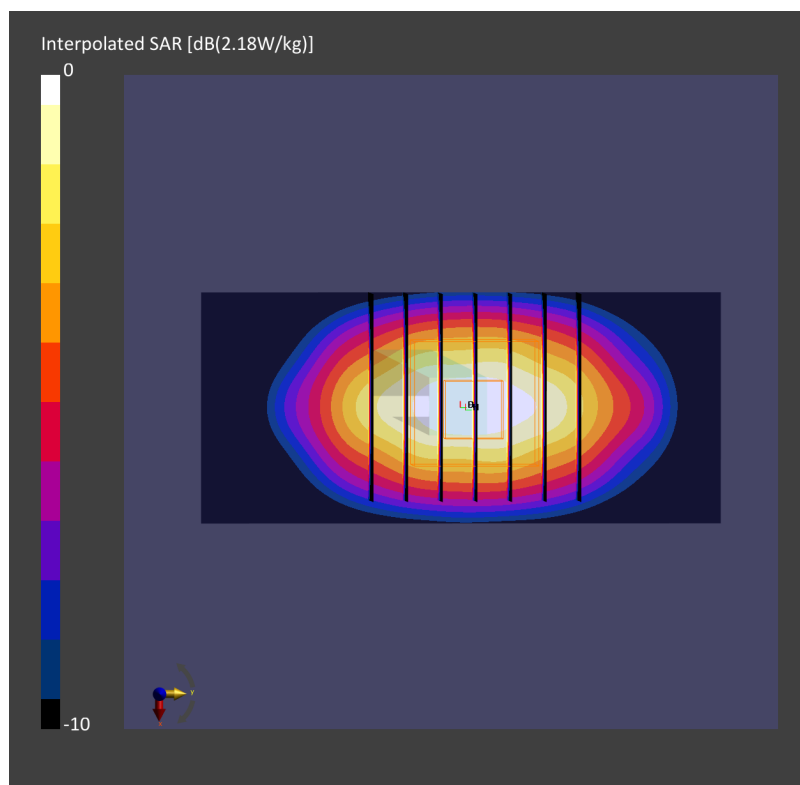
SAR (1g) = 1.74 W/kg; SAR (10g) = 0.922 W/kg;

Pin=50mW/Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.05 dB

SAR (1g) = 1.73 W/kg; SAR (8g) = W/kg; SAR (10g) = 0.916 W/kg;

psAPD (1.0cm², sq) = 0 [W/m²]; psAPD (4.0cm², sq) = 0 [W/m²]



System Check_Head_1900MHz

DUT: D1900V2-5d041

Communication System: Frequency: 1900.0 ; Duty Cycle: 1:1

Medium: HSL_1900_220707 Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 39.2$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(8.49, 8.49, 8.49); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

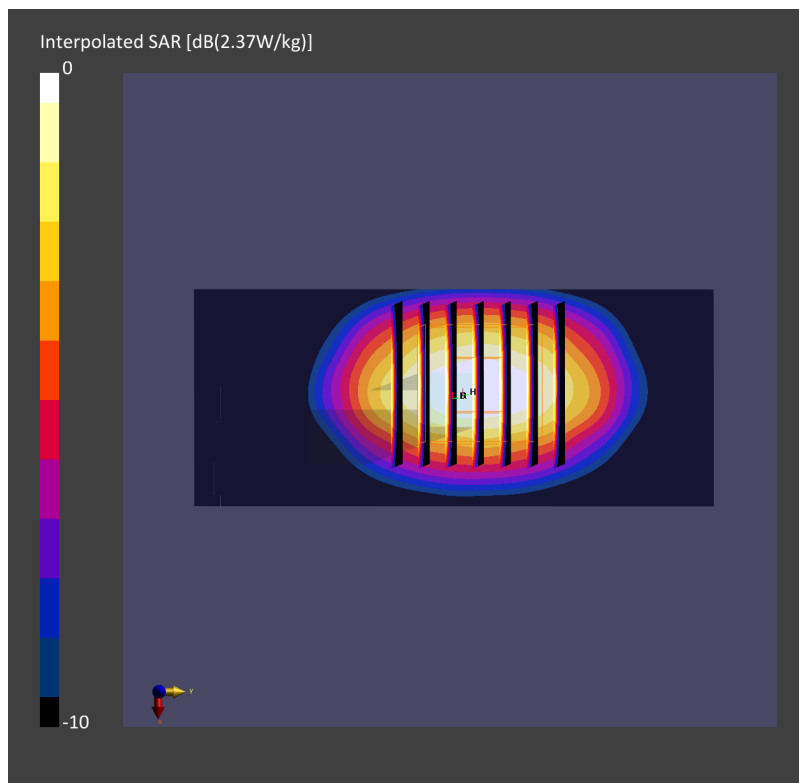
SAR (1g) = 1.97 W/kg; SAR (10g) = 1.03 W/kg;

Pin=50mW/Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.00 dB

SAR (1g) = 1.94 W/kg; SAR (10g) = 1.01 W/kg;

psAPD (1.0cm², sq) = 0 [W/m²]; psAPD (4.0cm², sq) = 0 [W/m²]



System Check_Head_1900MHz

DUT: D1900V2-5d041

Communication System: Frequency: 1900.0 ; Duty Cycle: 1:1

Medium: HSL_1900_220722 Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 38.9$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(8.49, 8.49, 8.49); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

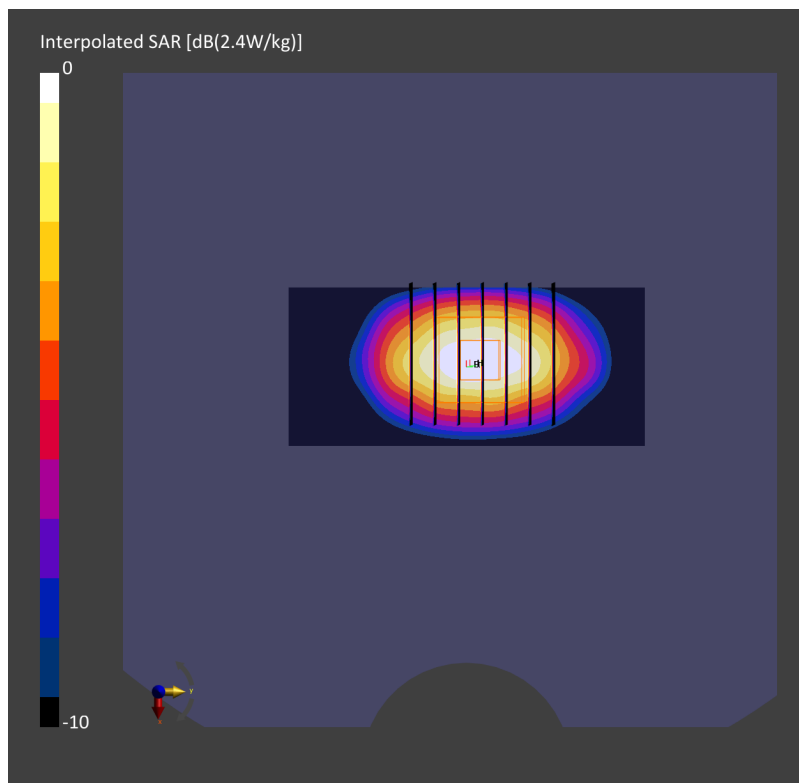
SAR (1g) = 1.93 W/kg; SAR (10g) = 1.01 W/kg;

Pin=50mW/Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm

Power Drift = 0.00 dB

SAR (1g) = 1.92 W/kg; SAR (8g) = 1.09 W/kg; SAR (10g) = 0.999 W/kg;

psAPD (1.0cm², sq) = 19.2 [W/m²]; psAPD (4.0cm², sq) = 21.7 [W/m²]



System Check_Head_2450MHz

DUT: D2450V2-929

Communication System: ; Frequency: 2450.0 ; Duty Cycle: 1:1

Medium: HSL_2450_220913 Medium parameters used: $f = 2450.0$ MHz; $\sigma = 1.79$ S/m; $\epsilon_r = 38.7$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(7.44, 7.44, 7.44); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

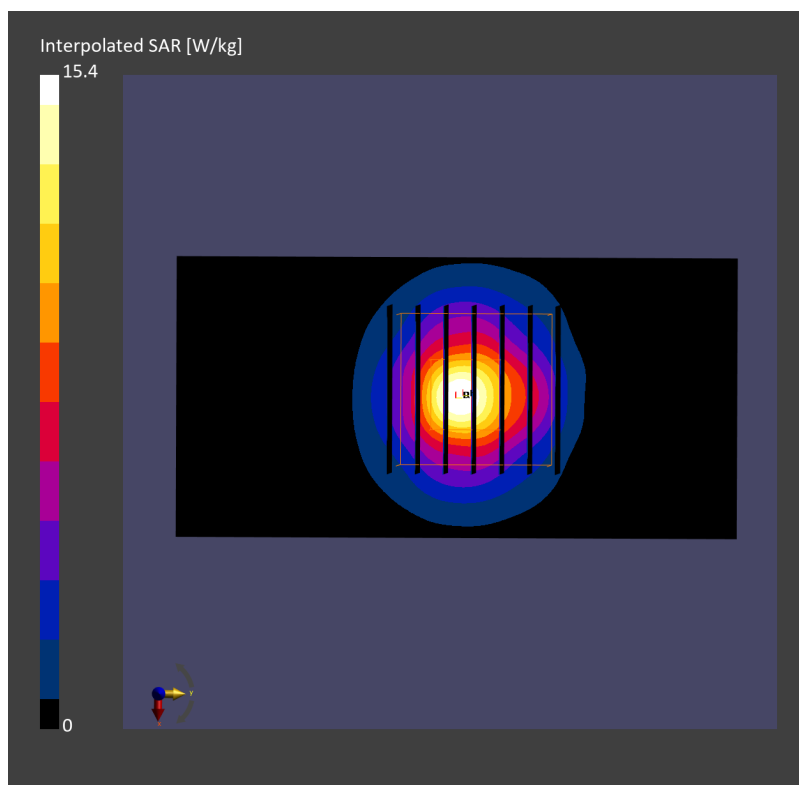
SAR (1g) = 2.42 W/kg; SAR (10g) = 1.13 W/kg;

Pin=50mW/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) = 2.48 W/kg; SAR (8g) = 1.28 W/kg; SAR (10g) = 1.16 W/kg;

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]



System Check_Head_2600MHz

DUT: D2600V2-1089

Communication System: ; Frequency: 2600.0 ; Duty Cycle: 1:1

Medium: HSL_2600_220708 Medium parameters used: $f = 2600.0$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 38.1$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7700; ConvF(7.82, 7.82, 7.82); Calibrated: 2022-01-11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1707; Calibrated: 2022-01-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1919; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm

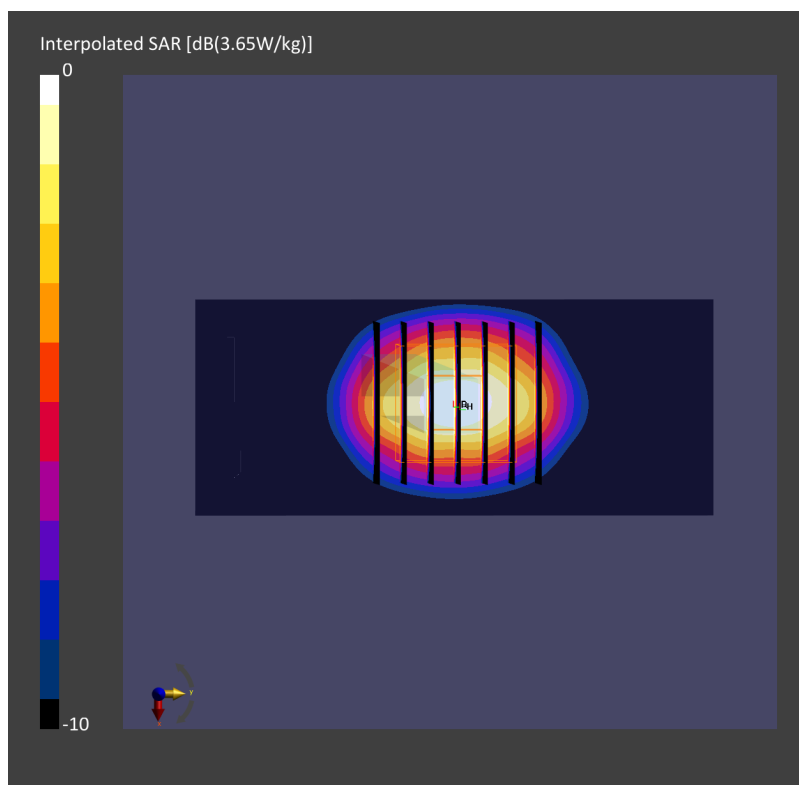
SAR (1g) = 2.69 W/kg; SAR (10g) = 1.18 W/kg;

Pin=50mW/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) = 2.66 W/kg; SAR (8g) = W/kg; SAR (10g) = 1.19 W/kg;

psAPD (1.0cm², sq) = 0 [W/m²]; psAPD (4.0cm², sq) = 0 [W/m²]



System Check_Head_2600MHz

DUT: D2600V2-1089

Communication System: ; Frequency: 2600.0 ; Duty Cycle: 1:1

Medium: HSL_2600_220913 Medium parameters used: $f = 2600.0$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 38.0$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.59, 4.59, 4.59); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

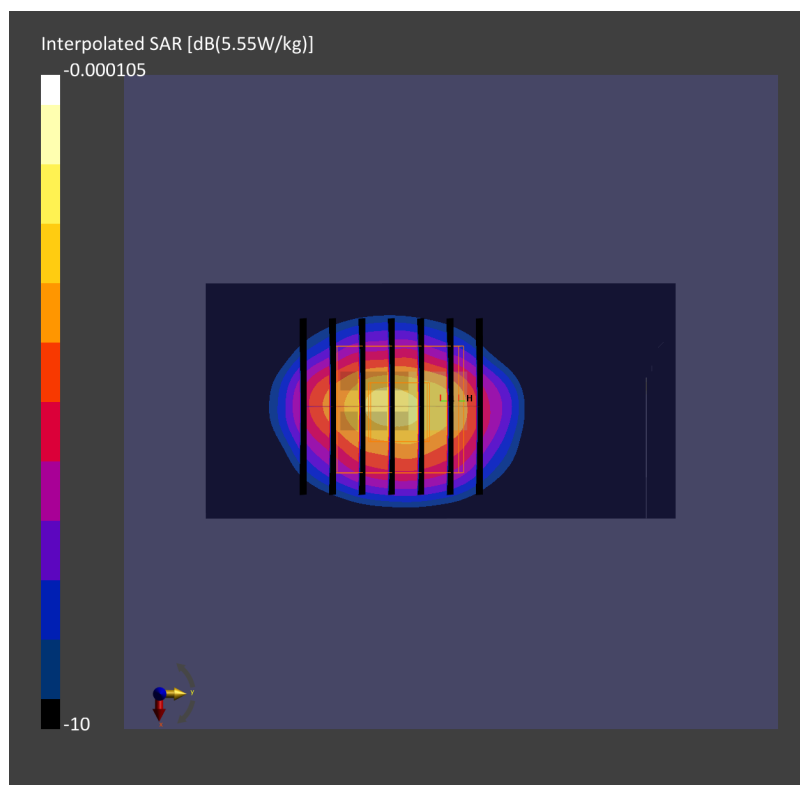
SAR (1g) = 2.59 W/kg; SAR (10g) = 1.17 W/kg;

Pin=50mW/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) = 2.62 W/kg; SAR (8g) = 1.30 W/kg; SAR (10g) = 1.17 W/kg;

psAPD (1.0cm², sq) = 26.2 [W/m²]; psAPD (4.0cm², sq) = 26.0 [W/m²]



System Check_Head_3500MHz

DUT: D3500V2-1014

Communication System: ; Frequency: 3500.0; Duty Cycle: 1:1

Medium: HSL_3500_220913 Medium parameters used: $f = 3500.0$ MHz; $\sigma = 3.0$ S/m; $\epsilon_r = 38.5$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.59, 4.59, 4.59); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

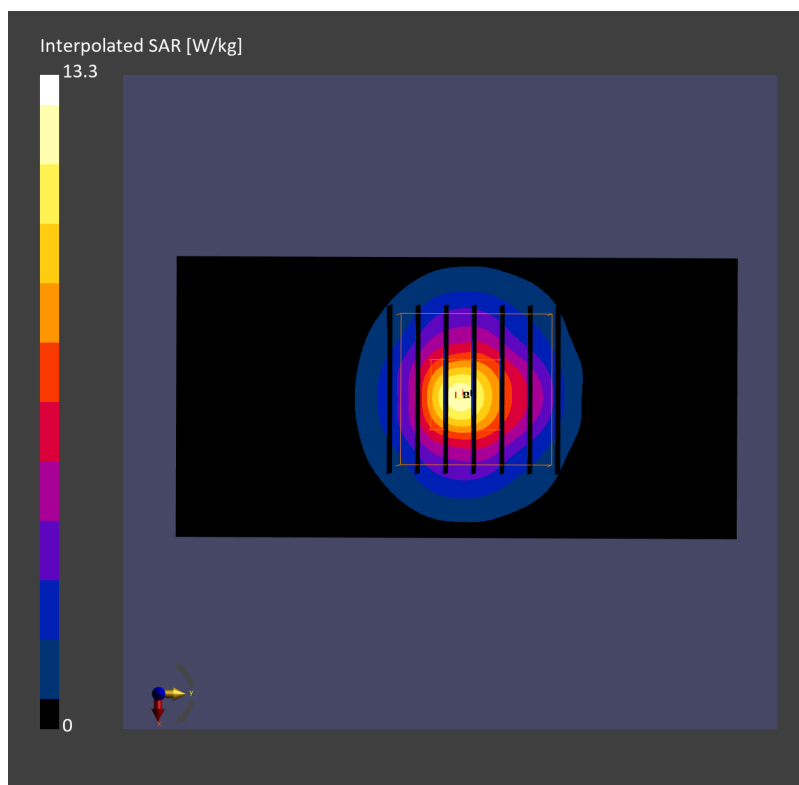
SAR (1g) = 2.97 W/kg; SAR (10g) = 1.12 W/kg;

Pin=50mW/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 = -0.02 dB

SAR (1g) = 3.11 W/kg; SAR (8g) = 1.29 W/kg; SAR (10g) = 1.21 W/kg;

psAPD (1.0cm², sq) = 31.1 [W/m²]; psAPD (4.0cm², sq) = 31.8



System Check_Head_3700MHz

DUT: D3700V2 - 1006

Communication System: ; Frequency: 3700.0 MHz; Duty Cycle: 1:1

Medium: HSL_3700_220913 Medium parameters used: $f = 3700.0$ MHz; $\sigma = 3.21$ S/m; $\epsilon_r = 38.3$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.59, 4.59, 4.59); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

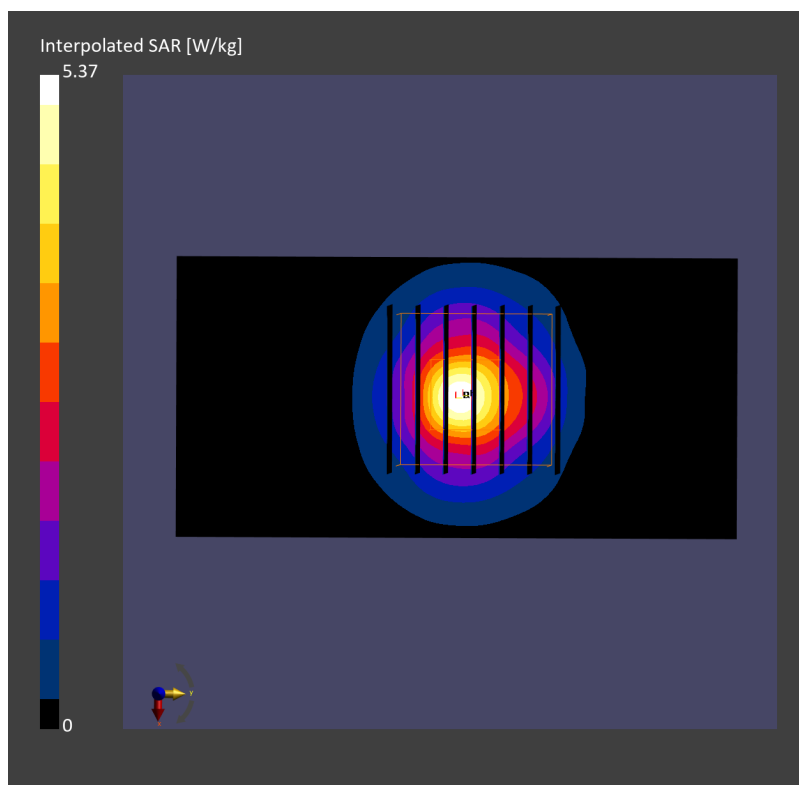
Pin=50dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.23 W/kg; SAR (10g) = 1.21 W/kg;

Pin=50dBm/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 = -0.02 dB

SAR (1g) = 3.30 W/kg; SAR (8g) = 1.41 W/kg; SAR (10g) = 1.24 W/kg
psAPD (1.0cm², sq) = 33.0 [W/m²]; psAPD (4.0cm², sq) = 32.6 [W/m²]



System Check_Head_5250MHz

DUT: D5GHzV2-1128

Communication System: Frequency: 5250.0 ; Duty Cycle: 1:1

Medium: HSL_5G_220913 Medium parameters used: $f = 5250.0$ MHz; $\sigma = 4.71$ S/m; $\epsilon_r = 36.7$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(5.23, 5.23, 5.23); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

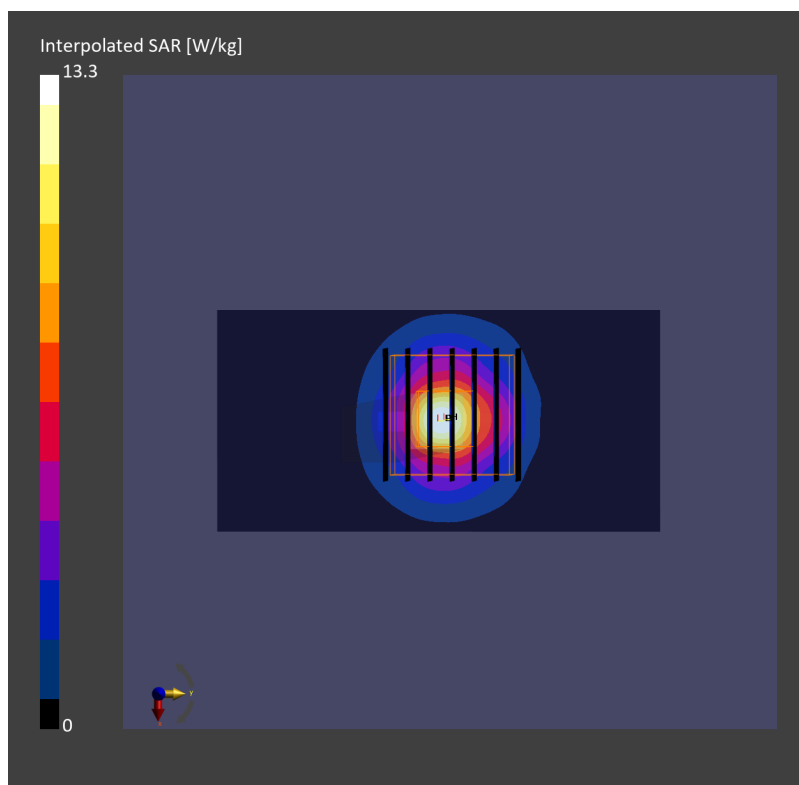
SAR (1g) = 3.31 W/kg; SAR (10g) = 0.967 W/kg;

Pin=50mW/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) = 3.62 W/kg; SAR (8g) = 1.23 W/kg; SAR (10g) = 1.06 W/kg;

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]



System Check_Head_5600MHz

DUT: D5GHzV2-1128

Communication System: Frequency: 5600.0 ; Duty Cycle: 1:1

Medium: HSL_5G_220913 Medium parameters used: $f = 5600.0$ MHz; $\sigma = 5.06$ S/m; $\epsilon_r = 36.2$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.59, 4.59, 4.59); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50mW/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

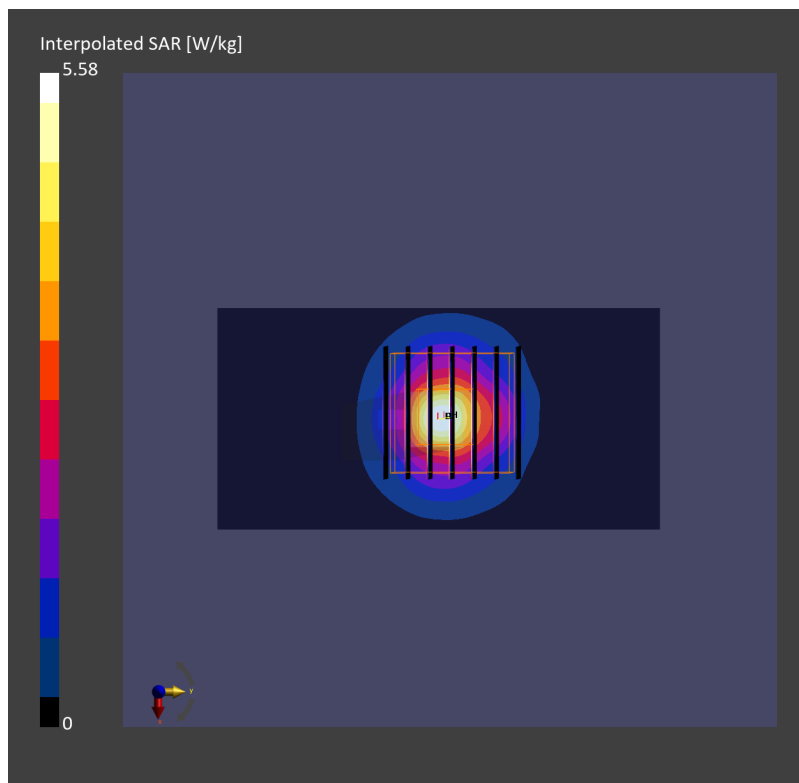
SAR (1g) = 3.52 W/kg; SAR (10g) = 1.02 W/kg;

Pin=50mW/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) = 3.89 W/kg; SAR (8g) = 1.31 W/kg; SAR (10g) = 1.12 W/kg;

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]



System Check_Head_5750MHz

DUT: D5GHzV2 - SN1128

Communication System: Frequency: 5750.0 MHz; Duty Cycle: 1:1

Medium: HSL_5G_220913 Medium parameters used: $f = 5750.0$ MHz; $\sigma = 5.22$ S/m; $\epsilon_r = 36.0$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3728; ConvF(4.74, 4.74, 4.74); Calibrated: 2022-03-02
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1647; Calibrated: 2022-01-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2079; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: , 0--

Pin=50dBm/Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.19 W/kg; SAR (10g) = 0.927 W/kg;

Pin=50dBm/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) = 3.56 W/kg; SAR (8g) = 1.19 W/kg; SAR (10g) = 1.03 W/kg

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]

