

## System Check\_Head\_835MHz

Communication System: ; Frequency: 835.0

Medium: HSL\_850\_220623. Medium parameters used:  $f = 835.0$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 42.5$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY6 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(10.22, 10.22, 10.22); Calibrated: 2022-01-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn316; Calibrated: 2022-01-26
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1488; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (40.0 mm x 90.0 mm):** Measurement Grid: 10.0 mm x 15.0 mm

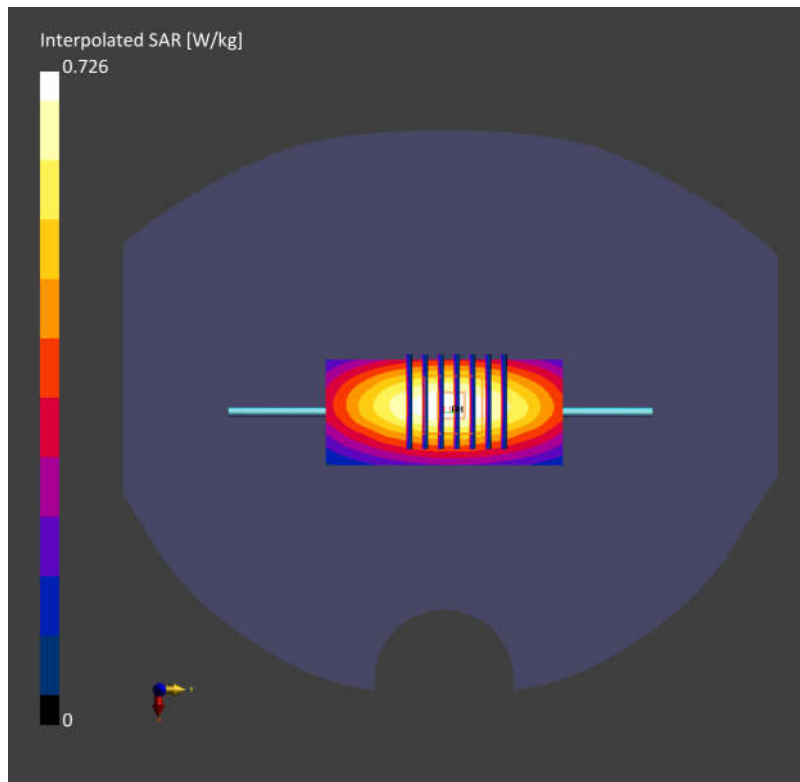
SAR (1g) = 0.469 W/kg; SAR (10g) = 0.310 W/kg;

**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 = 0.02 dB

SAR (1g) = 0.477 W/kg; SAR (8g) = 0.330 W/kg; SAR (10g) = 0.313 W/kg;

psAPD (1.0cm<sup>2</sup>, sq) = 4.77 [W/m<sup>2</sup>]; psAPD (4.0cm<sup>2</sup>, sq) = 6.60 [W/m<sup>2</sup>]



## System Check\_Head\_1900MHz

Communication System: ; Frequency: 1900.0

Medium: HSL\_1900\_220623. Medium parameters used:  $f = 1900.0$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 40.4$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY6 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.45, 8.45, 8.45); Calibrated: 2022-01-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn316; Calibrated: 2022-01-26
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1488; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (40.0 mm x 90.0 mm):** Measurement Grid: 10.0 mm x 15.0 mm

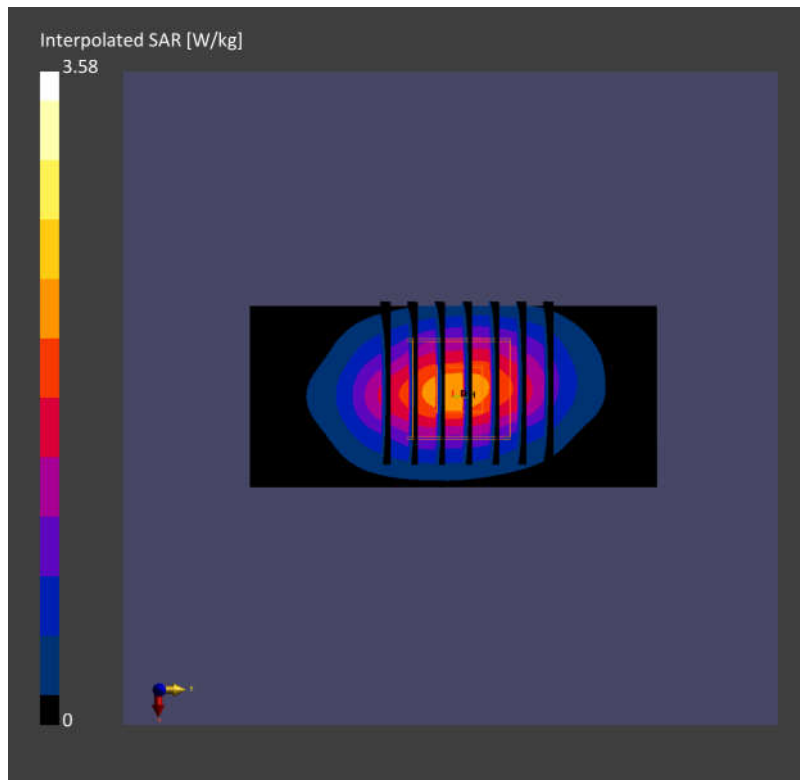
SAR (1g) = 1.88 W/kg; SAR (10g) = 0.977 W/kg;

**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) = 1.89 W/kg; SAR (8g) = 1.08 W/kg; SAR (10g) = 0.989 W/kg;

psAPD (1.0cm<sup>2</sup>, sq) = 18.9 [W/m<sup>2</sup>]; psAPD (4.0cm<sup>2</sup>, sq) = 21.5 [W/m<sup>2</sup>]



## System Check\_Head\_3500MHz

Communication System: ; Frequency: 3500.0

Medium: HSL\_3500\_220623. Medium parameters used:  $f = 3500.0$  MHz;  $\sigma = 3.04$  S/m;  $\epsilon_r = 38.9$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY6 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.04, 7.04, 7.04); Calibrated: 2022-01-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn316; Calibrated: 2022-01-26
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1488; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (40.0 mm x 80.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

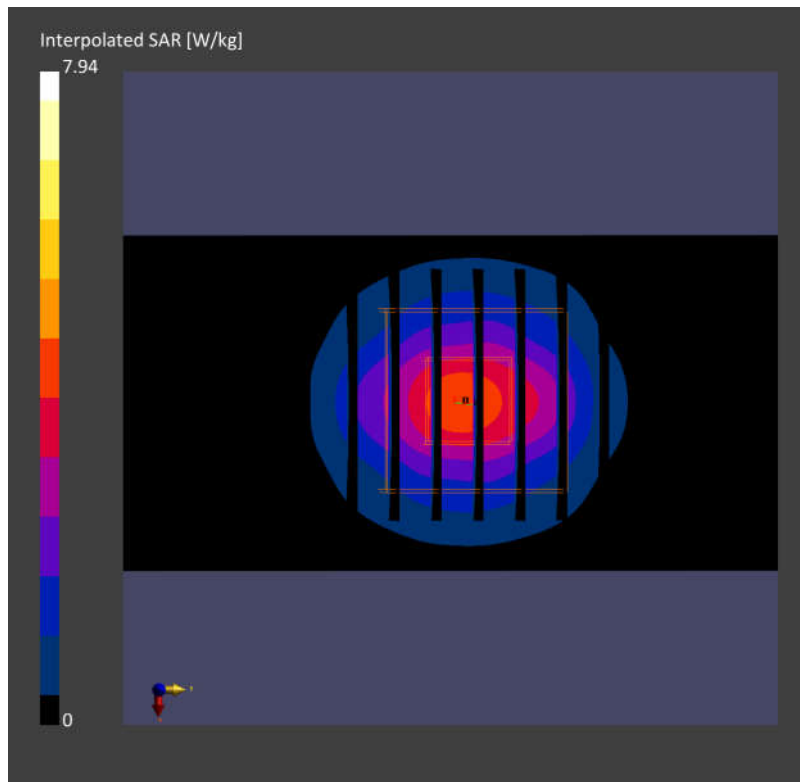
SAR (1g) = 3.22 W/kg; SAR (10g) = 1.22 W/kg;

**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 = -0.01 dB

SAR (1g) = 3.27 W/kg; SAR (8g) = 1.44 W/kg; SAR (10g) = 1.27 W/kg;

psAPD (1.0cm<sup>2</sup>, sq) = 32.7 [W/m<sup>2</sup>]; psAPD (4.0cm<sup>2</sup>, sq) = 28.7 [W/m<sup>2</sup>]



## System Check\_Head\_3700MHz

Communication System: ; Frequency: 3700.0

Medium: HSL\_3700\_220623. Medium parameters used:  $f = 3700.0$  MHz;  $\sigma = 3.26$  S/m;  $\epsilon_r = 38.7$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY6 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.0, 7.0, 7.0); Calibrated: 2022-01-27
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn316; Calibrated: 2022-01-26
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1488; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (40.0 mm x 80.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

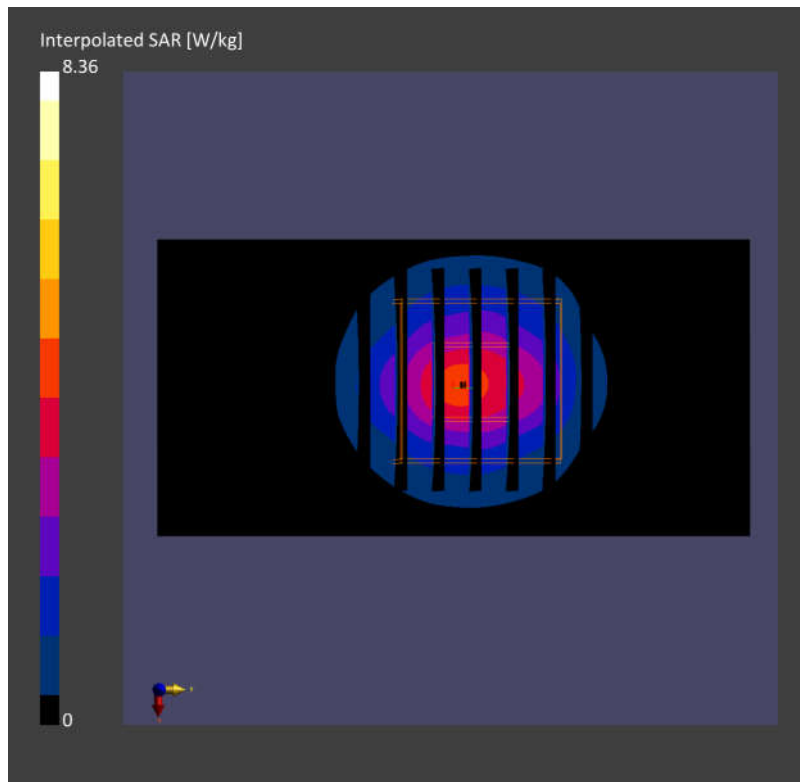
SAR (1g) = 3.19 W/kg; SAR (10g) = 1.18 W/kg;

**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 = -0.03 dB

SAR (1g) = 3.27 W/kg; SAR (8g) = 1.40 W/kg; SAR (10g) = 1.24 W/kg;

psAPD (1.0cm<sup>2</sup>, sq) = 32.7 [W/m<sup>2</sup>]; psAPD (4.0cm<sup>2</sup>, sq) = 28.0 [W/m<sup>2</sup>]



Measurement Report for Device  
Device Under Test Properties

| Model, Manufacturer | Dimensions [mm]       | IMEI | DUT Type |
|---------------------|-----------------------|------|----------|
| Device,             | 100.0 x 100.0 x 100.0 |      | Phone    |

Exposure Conditions

| Phantom Section | Position, Test Distance [mm] | Frequency [MHz] | Conversion Factor |
|-----------------|------------------------------|-----------------|-------------------|
| 5G              | FRONT, 5.55                  | 30000.0         | 1.0               |

Hardware Setup

| Phantom       | Medium | Probe, Calibration Date               | DAE, Calibration Date  |
|---------------|--------|---------------------------------------|------------------------|
| mmWave – 1044 | Air –  | EUmmWV3 – SN9424_F1–55GHz, 2022–04–06 | DAE4 Sn316, 2022–01–26 |

Scans Setup

|                     |             |
|---------------------|-------------|
| Scan Type           | 5G Scan     |
| Grid Extents [mm]   | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55        |

Measurement Results

|                                           |                   |
|-------------------------------------------|-------------------|
| Date                                      | 2022–06–17, 11:10 |
| Avg. Area [cm <sup>2</sup> ]              | 4.00              |
| psPDn+ [W/m <sup>2</sup> ]                | 39.6              |
| psPDtot+ [W/m <sup>2</sup> ]              | 40.2              |
| H <sub>max</sub> [A/m]                    | 0.310             |
| E <sub>max</sub> [V/m]                    | 132               |
| max <sub>(Stot)</sub> [W/m <sup>2</sup> ] | 48.1              |
| Power Drift [dB]                          | 0.05              |

