Test Laboratory: Sporton International Inc.

Device Under Test Properties

| Manufacturer | Dimensions [mm] | IMEI | DUT Type |
|---|---|---|---|
| | 100.0 x 100.0 x 100.0 | | Validation Source |

Exposure Conditions

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

Hardware Setup

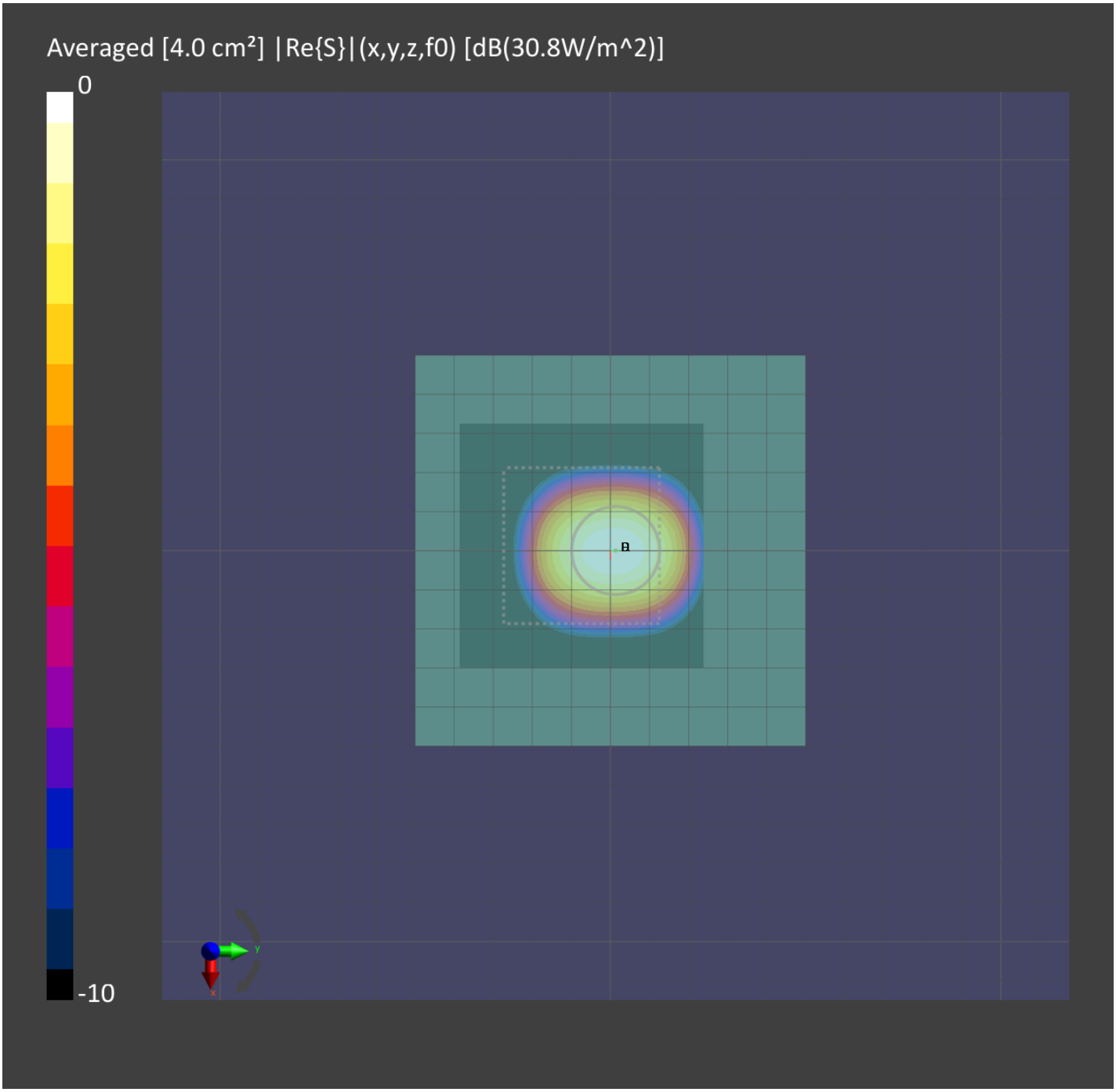
| Phantom | Medium | Probe, Calibration Date | DAE, Calibration Date |
|---|---|---|---|
| mmWave - xxxx | Air - | EUmmWV4 - SN9461_F1-78GHz, 2019-11-05 | DAE4 Sn376, 2019-12-06 |

Scans Setup

| | |
|---|---|
| Grid Extents [mm] | 60.0 x 60.0 |
| Grid Steps [lambda] | 0.25 x 0.25 |
| Sensor Surface [mm] | 5.55 |

Measurement Results

| | |
|---|---|
| Date | 2020-02-15, 01:07 |
| Avg. Area [$cm^2$] | 4.00 |
| $S_{avg\ inc}$ [$W/m^2$] | 30.3 |
| $S_{avg\ tot}$ [$W/m^2$] | 30.8 |
| $S_{peak}$ [$W/m^2$] | 43.7 |
| $E_{peak}$ [V/m] | 128 |
| $H_{peak}$ [A/m] | 0.345 |
| Power Drift [dB] | -0.04 |


Averaged [4.0 cm²] |Re{S}|(x,y,z,f0) [dB(30.8W/m^2)]
0
-10

Date: 2020-02-25

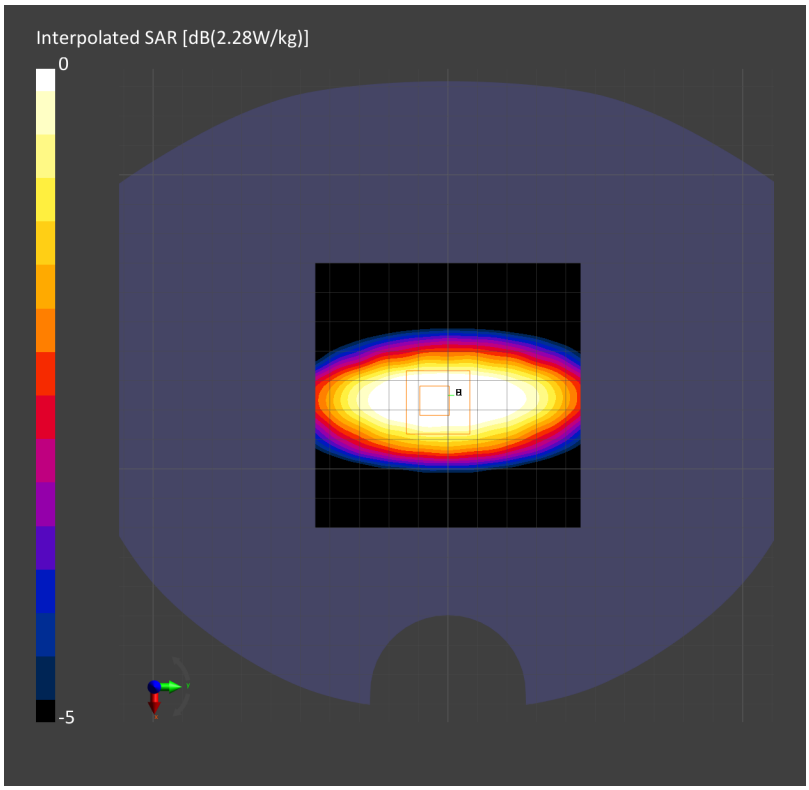
**System Check_Head_835MHz**

Communication System: CW; Frequency: 835.0
Medium: HSL. Medium parameters used: f= 835.0 MHz; $\sigma$= 0.89 S/m; $\varepsilon_r$ = 42.4
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(9.8, 9.8, 9.8); Calibrated: 2019-09-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2019-12-06
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1446; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (90.0 mm x 90.0 mm)**: Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 2.34 W/kg; SAR (10g) = 1.54 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm)**: Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.04 dB
SAR (1g) = 2.28 W/kg; SAR (10g) = 1.49 W/kg;



Date: 2020-02-25

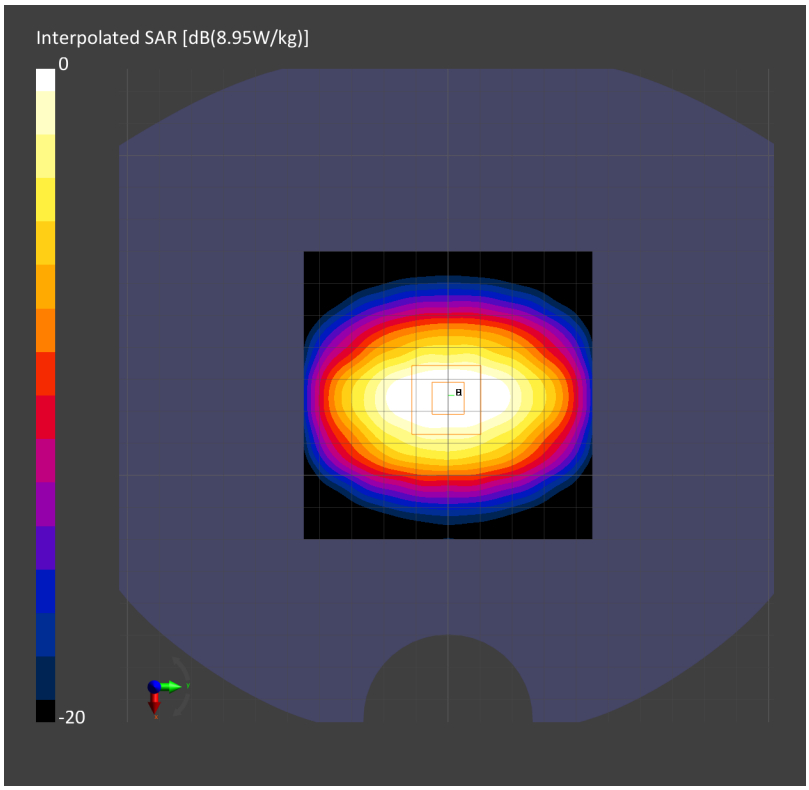
**System Check_Head_1750MHz**

Communication System: CW; Frequency: 1750.0
Medium: HSL. Medium parameters used: f= 1750.0 MHz; $\sigma$= 1.36 S/m; $\varepsilon_r$ = 39.7
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(8.66, 8.66, 8.66); Calibrated: 2019-09-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2019-12-06
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1446; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (90.0 mm x 90.0 mm)**: Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 9.11 W/kg; SAR (10g) = 4.92 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm)**: Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.01 dB
SAR (1g) = 8.95 W/kg; SAR (10g) = 4.80 W/kg;



Date: 2020-02-25

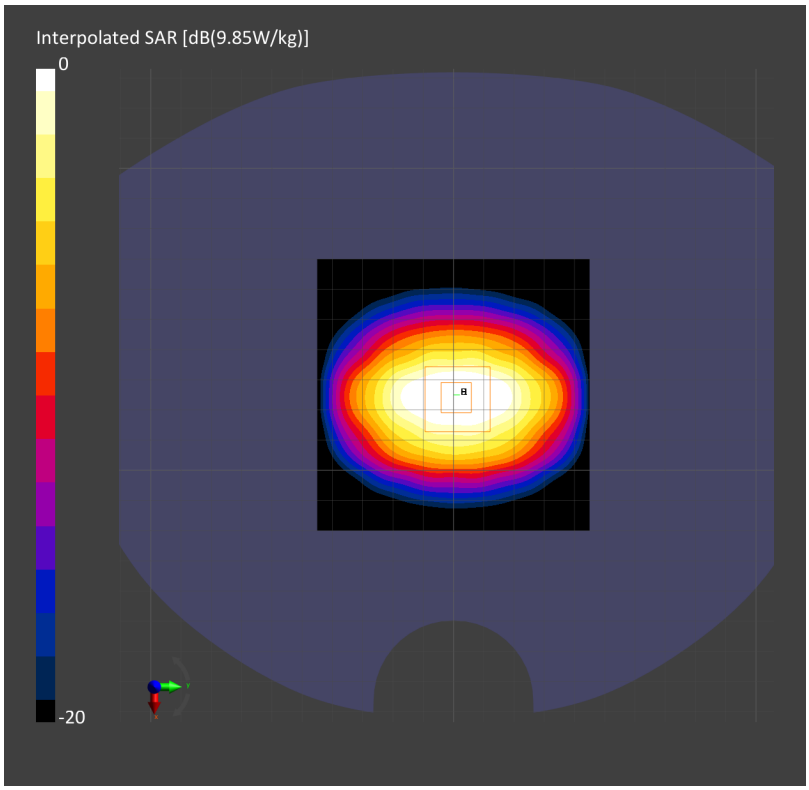
**System Check_Head_1900MHz**

Communication System: CW; Frequency: 1900.0
Medium: HSL. Medium parameters used: f= 1900.0 MHz; $\sigma$= 1.40 S/m; $\varepsilon_r$ = 40.6
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(8.32, 8.32, 8.32); Calibrated: 2019-09-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2019-12-06
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1446; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (90.0 mm x 90.0 mm)**: Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 10.0 W/kg; SAR (10g) = 5.25 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm)**: Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.00 dB
SAR (1g) = 9.85 W/kg; SAR (10g) = 5.09 W/kg;



Date: 2020-02-25

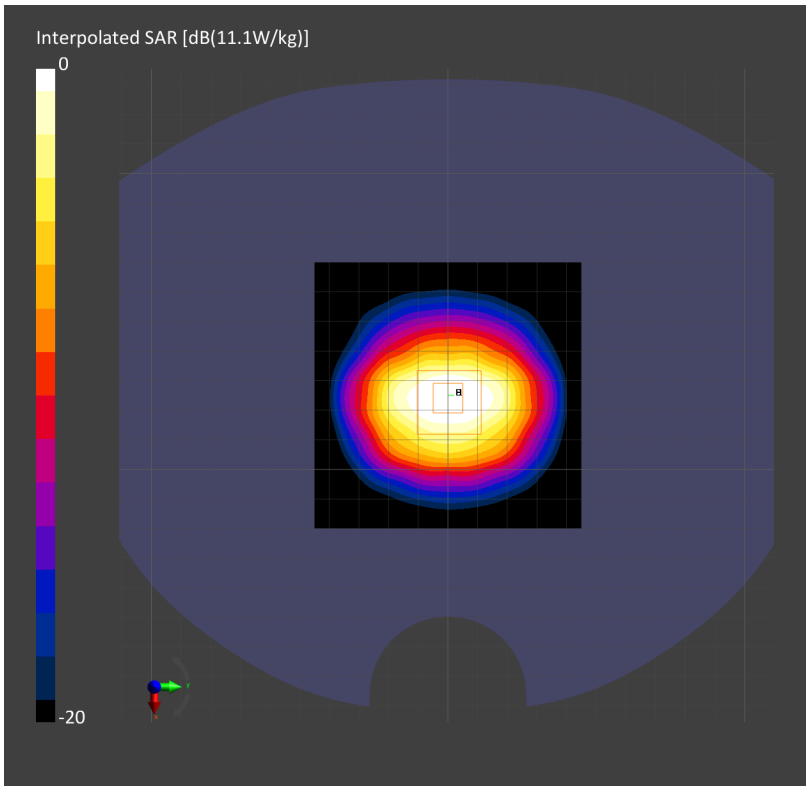
**System Check_Head_2300MHz**

Communication System: CW; Frequency: 2300.0
Medium: HSL. Medium parameters used: f= 2300.0 MHz; $\sigma$= 1.65 S/m; $\varepsilon_r$ = 40.9
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.83, 7.83, 7.83); Calibrated: 2019-09-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2019-12-06
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1446; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (90.0 mm x 90.0 mm)**: Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 10.8 W/kg; SAR (10g) = 5.18 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 5.0 mm
Power Drift = 0.00 dB
SAR (1g) = 11.1 W/kg; SAR (10g) = 5.35 W/kg;



Date: 2020-02-25

**System Check_Head_2600MHz**

Communication System: CW; Frequency: 2600.0
Medium: HSL. Medium parameters used: f= 2600.0 MHz; $\sigma$= 1.98 S/m; $\varepsilon_r$ = 39.8
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43); Calibrated: 2019-09-26
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2019-12-06
- Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1446; Section: Flat
- Measurement Software: cDASY6 V6.6.0.13926
- UID: CW, 0--
- MAIA: Area Scan: N/A; Zoom Scan: N/A

**Area Scan (90.0 mm x 90.0 mm)**: Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 13.7 W/kg; SAR (10g) = 6.10 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 5.0 mm
Power Drift = 0.02 dB
SAR (1g) = 13.8 W/kg; SAR (10g) = 6.33 W/kg;