

System Check_Head_835MHz

Communication System: ; Frequency: 835.0

Medium: HSL_850_220128. Medium parameters used: $f = 835.0$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.4$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(9.80, 9.80, 9.80); Calibrated: 2021-10-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2021-11-22
- 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

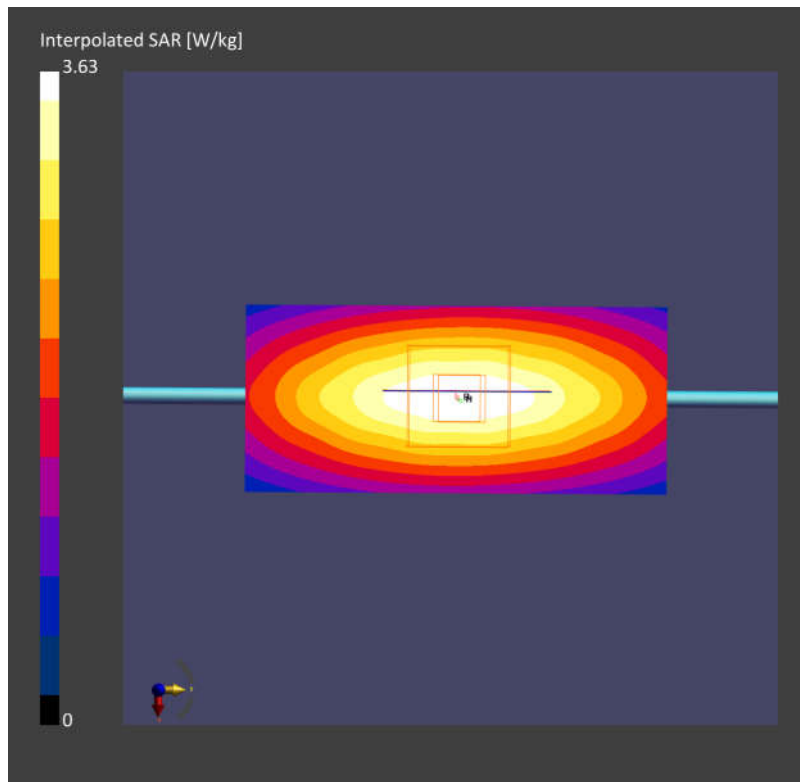
Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 2.41 W/kg; SAR (10g) = 1.61 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 = -0.03 dB

SAR (1g) = 2.42 W/kg; SAR (10g) = 1.63 W/kg;



System Check_Head_1900MHz

Communication System: ; Frequency: 1900.0

Medium: HSL_1900_220128. Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 41.0$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(8.25, 8.25, 8.25); Calibrated: 2021-10-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2021-11-22
- 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

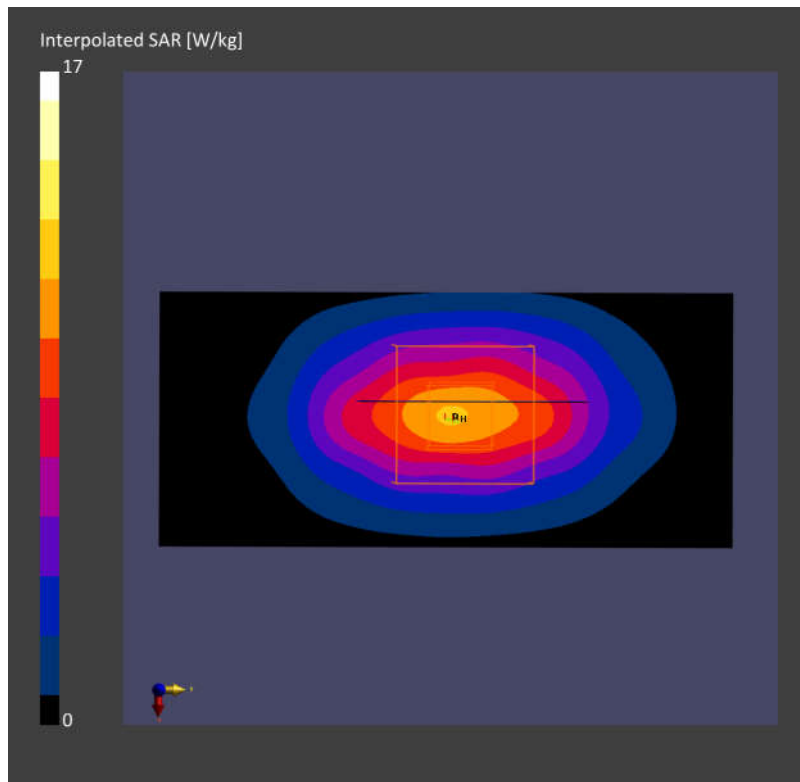
Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm

SAR (1g) = 9.28 W/kg; SAR (10g) = 4.82 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 = -0.03 dB

SAR (1g) = 9.35 W/kg; SAR (10g) = 4.87 W/kg;



System Check_Head_2600MHz

Communication System: ; Frequency: 2600.0

Medium: HSL_2600_220128. Medium parameters used: $f = 2600.0$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 38.8$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(7.30, 7.30, 7.30); Calibrated: 2021-10-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2021-11-22
- 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

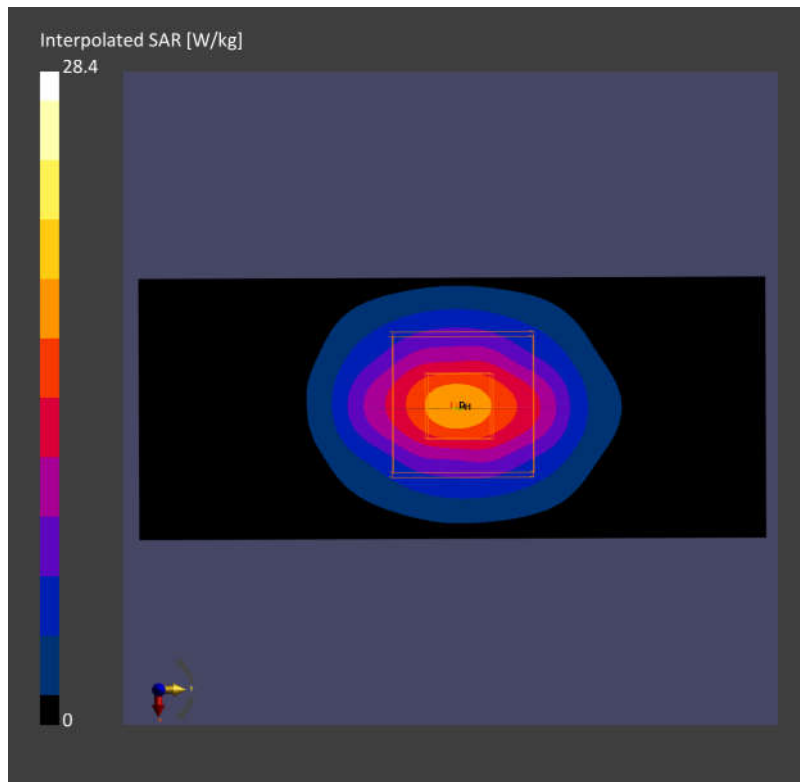
Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm

SAR (1g) = 13.75 W/kg; SAR (10g) = 6.11 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 1.5 mm

Power Drift = -0.01 dB

SAR (1g) = 13.84 W/kg; SAR (10g) = 6.29 W/kg;



System Check_Head_3900MHz

Communication System: ; Frequency: 3900.0

Medium: HSL_3900_220128. Medium parameters used: $f = 3900.0$ MHz; $\sigma = 3.25$ S/m; $\epsilon_r = 36.6$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(6.55, 6.55, 6.55); Calibrated: 2021-10-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn376; Calibrated: 2021-11-22
- 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

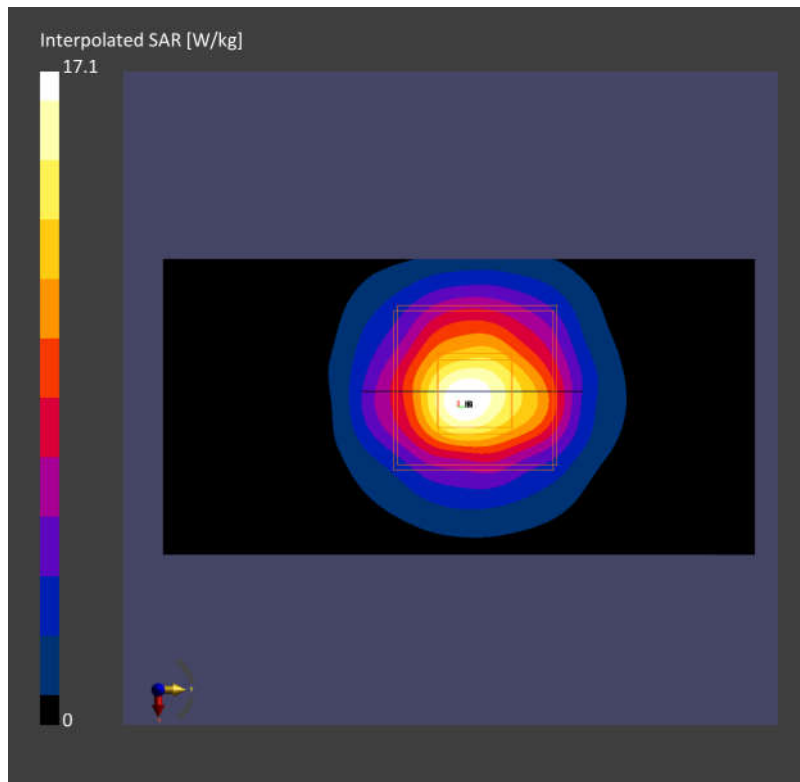
Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.18 W/kg; SAR (10g) = 2.27 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 = 0.08 dB

SAR (1g) = 6.59 W/kg; SAR (10g) = 2.41 W/kg;



Measurement Report for Source 30GHz, FRONT, Validation band, CW, Channel 30000 (30000.0 MHz)

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]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air -	EUmmWV4 - SN9432_F1-55GHz, 2021-11-29	DAE4 Sn1664, 2021-03-01

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
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2022-1-24, 00:58
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	33.6
psPDtot+ [W/m ²]	34.1
psPDmod+ [W/m ²]	34.3
E _{max} [V/m]	132
Power Drift [dB]	-0.02

