

Measurement Report for SM_F956U, BACK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|----------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | GSM 850 | GSM, 10024-DAC | 836.6 | 8.38 | 0.933 | 41.3 |

Hardware Setup

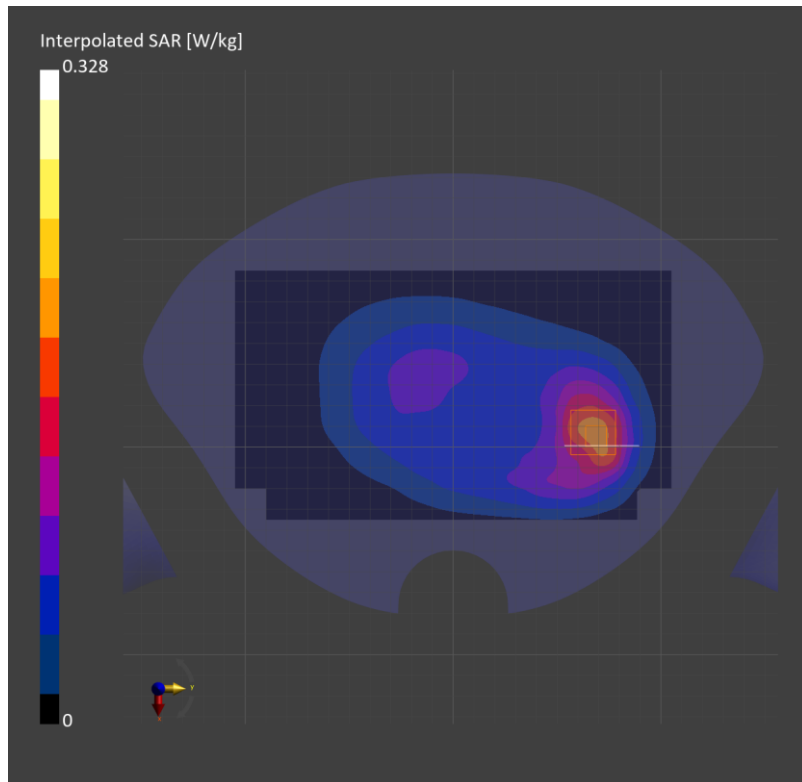
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.182 | 0.190 |
| psSAR10g [W/Kg] | 0.119 | 0.116 |
| Power Drift [dB] | | -0.03 |
| M2/M1 [%] | | 82.4 |
| Dist 3dB Peak [mm] | | 13.0 |



GSM 850

Frequency: 836.6 MHz; Communication System Channel Number: 190; Duty Cycle: 1:4.00037
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.214$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch GPRS 2 slots ch.190/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.214 W/kg

RHS/Touch GPRS 2 slots ch.190/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.05 V/m; Power Drift = -0.00 dB

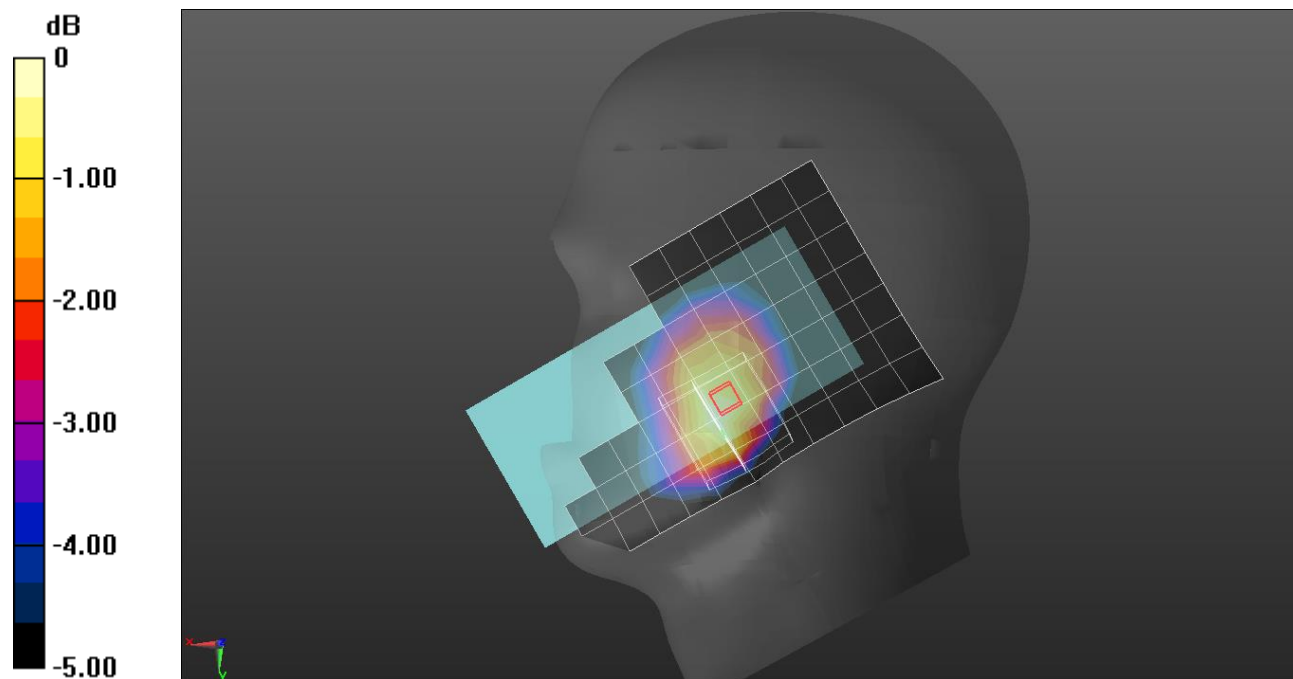
Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.179 W/kg

Smallest distance from peaks to all points 3 dB below = 14.5 mm

Ratio of SAR at M2 to SAR at M1 = 66%

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.214 W/kg = -6.70 dBW/kg

GSM 850

Frequency: 836.6 MHz; Communication System Channel Number: 190; Duty Cycle: 1:4.00037
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.214$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/GPRS 2 slots ch.190/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.457 W/kg

Right/GPRS 2 slots ch.190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.45 V/m; Power Drift = 0.07 dB

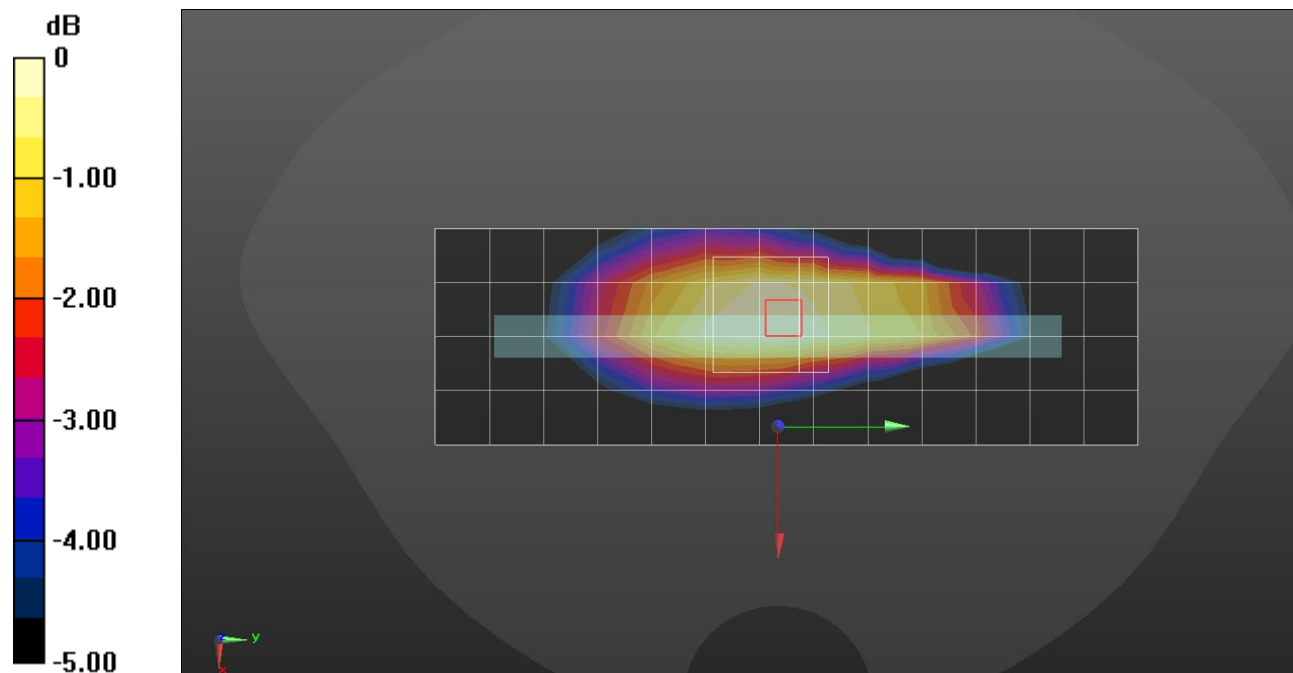
Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.377 W/kg

Smallest distance from peaks to all points 3 dB below = 16.7 mm

Ratio of SAR at M2 to SAR at M1 = 66.8%

Maximum value of SAR (measured) = 0.499 W/kg



0 dB = 0.457 W/kg = -3.40 dBW/kg

Measurement Report for SM_F956U, CHEEK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|----------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | GSM 850 | GSM, 10024-DAC | 836.6 | 9.61 | 0.912 | 42.5 |

Hardware Setup

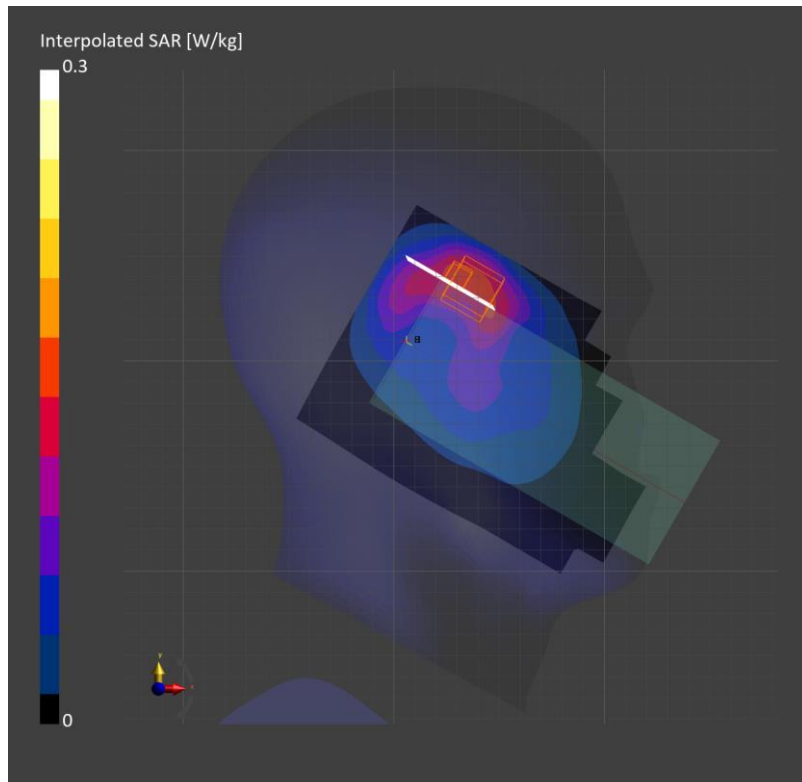
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.144 | 0.149 |
| psSAR10g [W/Kg] | 0.095 | 0.093 |
| Power Drift [dB] | | -0.12 |
| M2/M1 [%] | | 87.3 |
| Dist 3dB Peak [mm] | | 8.4 |



Measurement Report for SM_F956U, BACK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|----------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | GSM 850 | GSM, 10024-DAC | 836.6 | 9.61 | 0.912 | 42.5 |

Hardware Setup

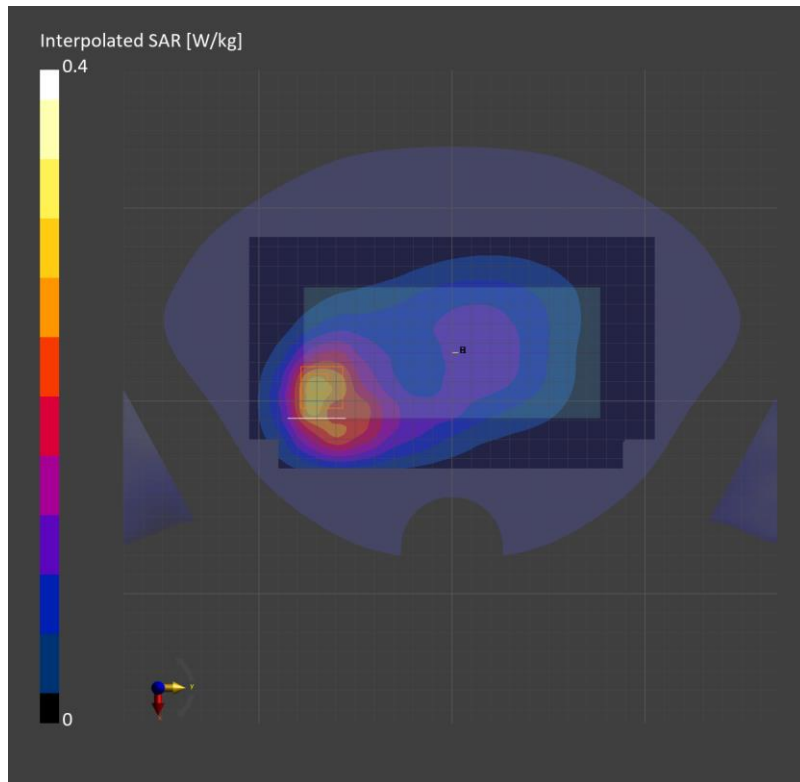
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.252 | 0.247 |
| psSAR10g [W/Kg] | 0.167 | 0.148 |
| Power Drift [dB] | | 0.13 |
| M2/M1 [%] | | 83.1 |
| Dist 3dB Peak [mm] | | 13.0 |



GSM 1900

Frequency: 1850.2 MHz; Communication System Channel Number: 512; Duty Cycle: 1:2.60016
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 39.923$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 - SN7651; ConvF(8.14, 8.76, 7.51) @ 1850.2 MHz; Calibrated: 5/30/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch GPRS 3 slots ch.512/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.0765 W/kg

RHS/Touch GPRS 3 slots ch.512/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.398 V/m; Power Drift = -0.06 dB

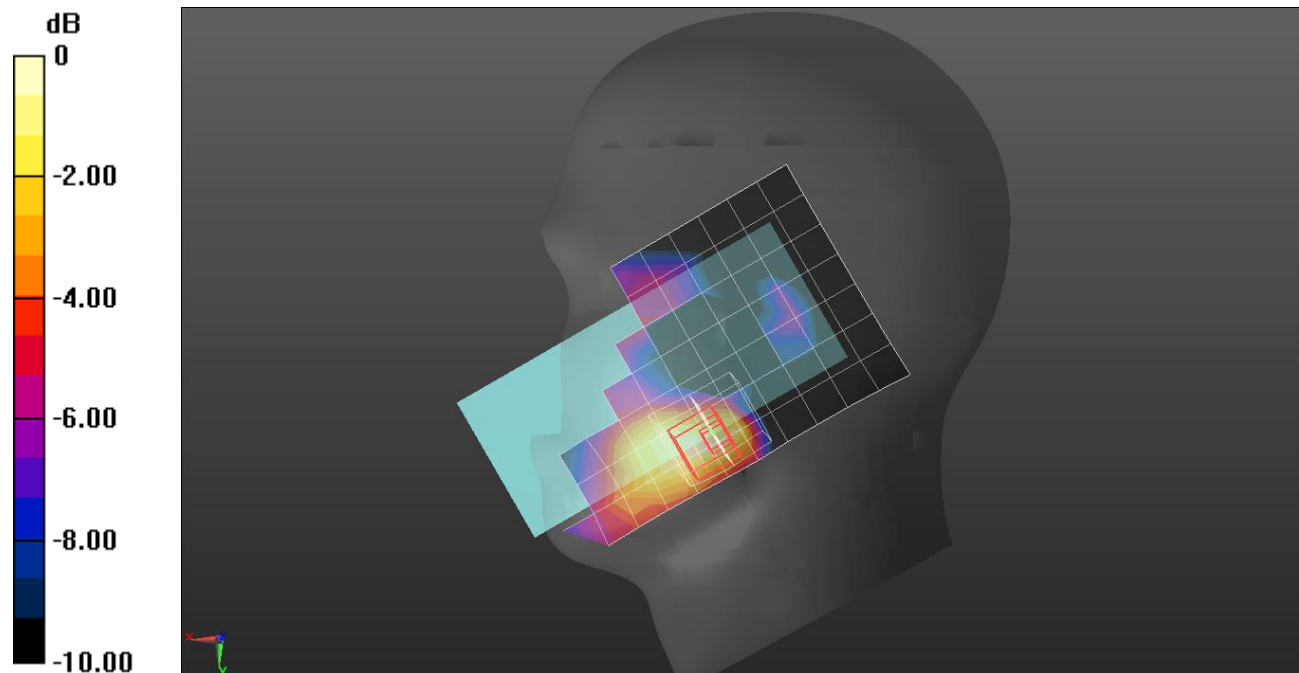
Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.039 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 60.5%

Maximum value of SAR (measured) = 0.0883 W/kg



0 dB = 0.0765 W/kg = -11.16 dBW/kg

GSM 1900

Frequency: 1880 MHz; Communication System Channel Number: 661; Duty Cycle: 1:1.99986

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.422$ S/m; $\epsilon_r = 40.476$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1880 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/GPRS 4 slots ch.661/Area Scan (8x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.651 W/kg

Bottom/GPRS 4 slots ch.661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.94 V/m; Power Drift = 0.02 dB

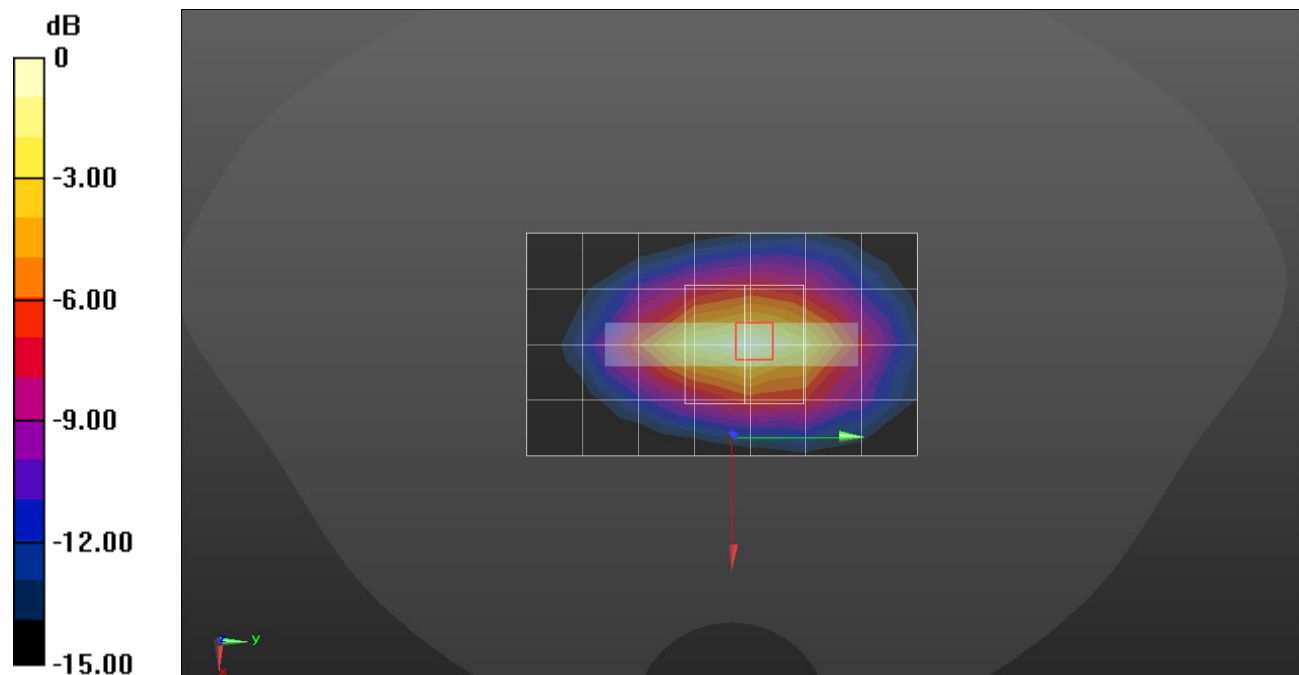
Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.423 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.651 W/kg = -1.86 dBW/kg

WCDMA Band II

Frequency: 1880 MHz; Communication System Channel Number: 9400; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.422 \text{ S/m}$; $\epsilon_r = 39.865$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 - SN7651; ConvF(8.14, 8.76, 7.51) @ 1880 MHz; Calibrated: 5/30/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch Rel.99 ch.9400/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.0979 W/kg

RHS/Touch Rel.99 ch.9400/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.195 V/m; Power Drift = 0.04 dB

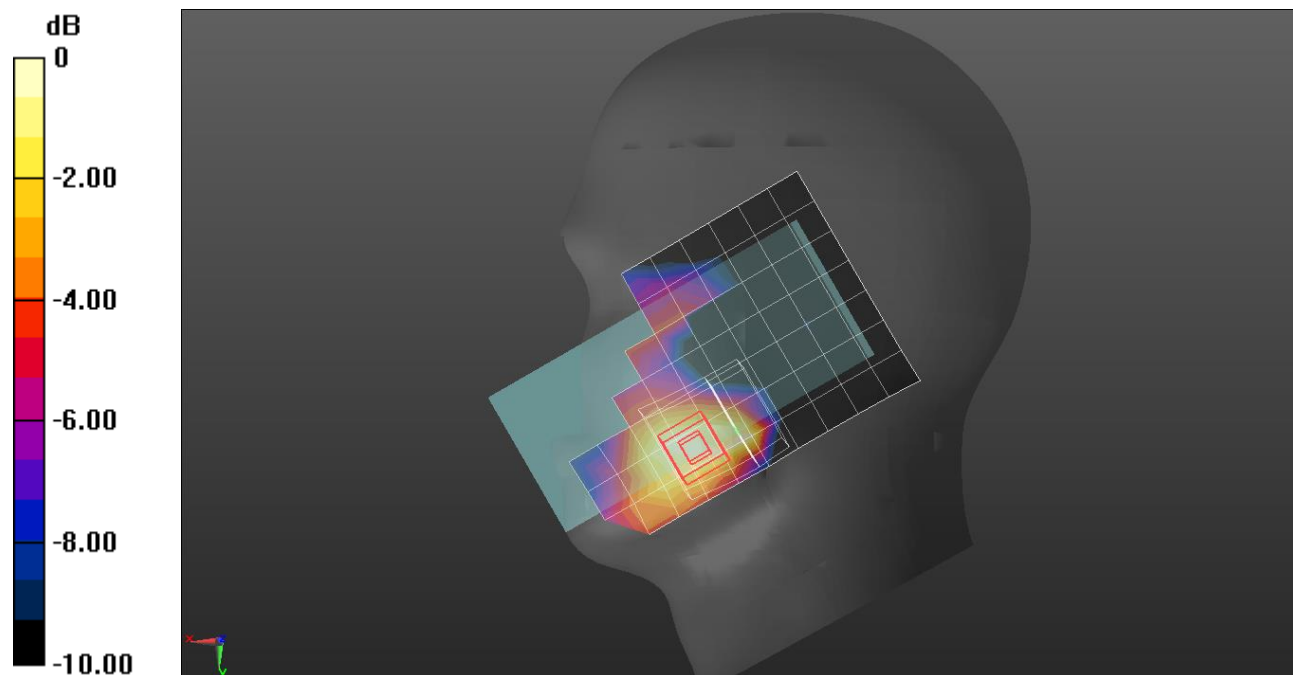
Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.053 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

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

Maximum value of SAR (measured) = 0.103 W/kg



0 dB = 0.0979 W/kg = -10.09 dBW/kg

WCDMA Band II

Frequency: 1907.6 MHz; Communication System Channel Number: 9538; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1907.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/Rel.99 ch.9538/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.53 W/kg

Bottom/Rel.99 ch.9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.29 V/m; Power Drift = 0.09 dB

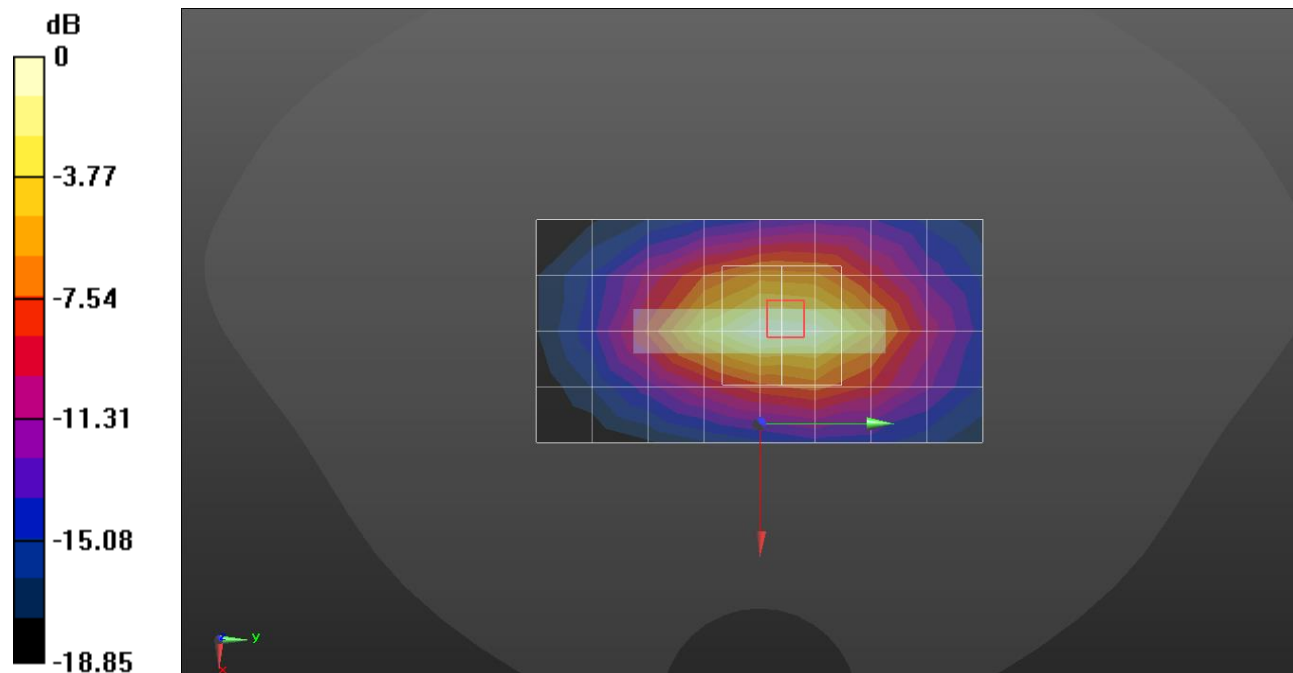
Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 1.07 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

WCDMA Band IV

Frequency: 1732.6 MHz; Communication System Channel Number: 1413; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 39.956$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 - SN7651; ConvF(8.57, 9.24, 7.93) @ 1732.6 MHz; Calibrated: 5/30/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch Rel.99 ch.1413/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.180 W/kg

RHS/Touch Rel.99 ch.1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.41 V/m; Power Drift = 0.11 dB

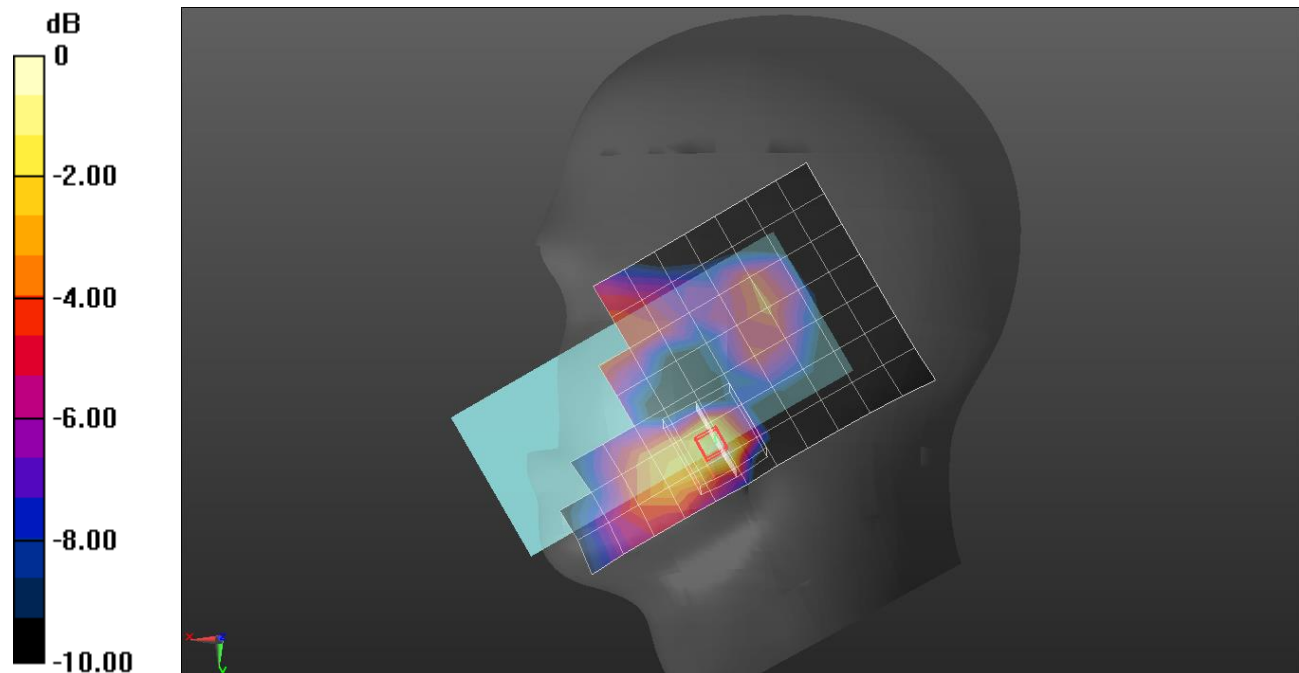
Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.124 W/kg

Smallest distance from peaks to all points 3 dB below = 9.9 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.180 W/kg = -7.45 dBW/kg

WCDMA Band IV

Frequency: 1752.6 MHz; Communication System Channel Number: 1513; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 39.18$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.54, 8.54, 8.54) @ 1752.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/Rel.99 ch.1513/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.14 W/kg

Bottom/Rel.99 ch.1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.77 V/m; Power Drift = 0.02 dB

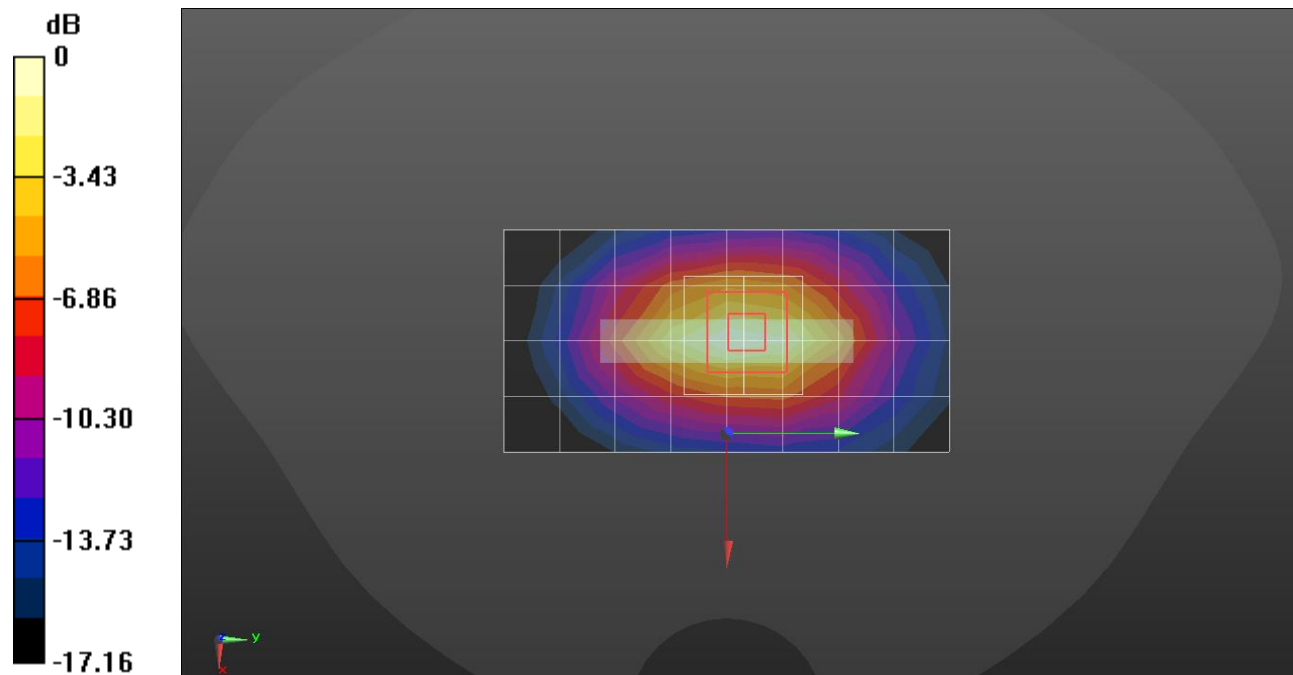
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.430 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

Measurement Report for SM_F956U, BACK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 5 | WCDMA, 10011-CAC | 836.6 | 8.38 | 0.933 | 41.3 |

Hardware Setup

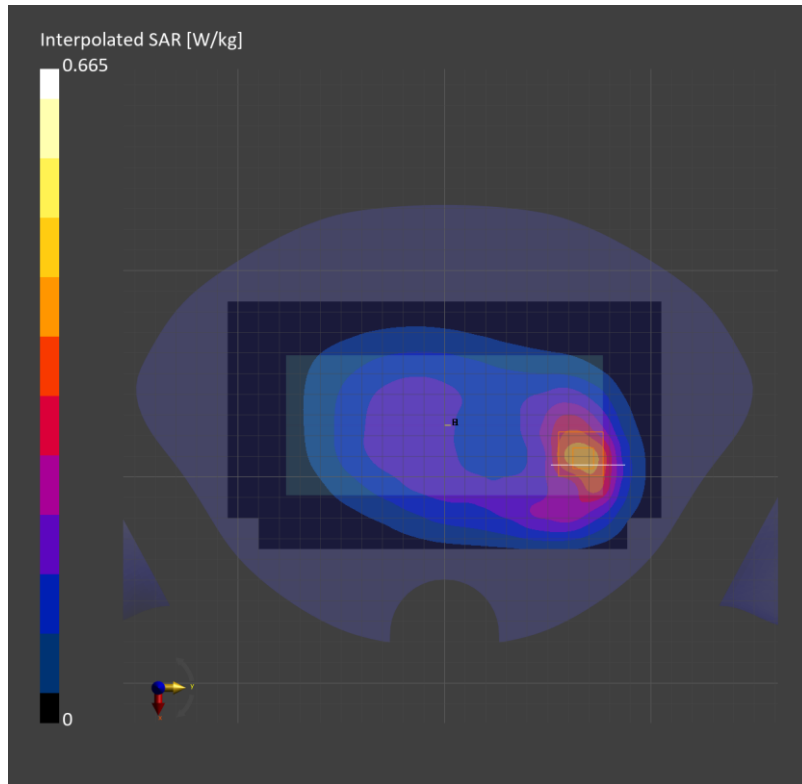
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.369 | 0.381 |
| psSAR10g [W/Kg] | 0.239 | 0.226 |
| Power Drift [dB] | | -0.06 |
| M2/M1 [%] | | 82.4 |
| Dist 3dB Peak [mm] | | 12.0 |



WCDMA Band V

Frequency: 836.6 MHz; Communication System Channel Number: 4183; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.214$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch Rel.99 ch.4183/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.211 W/kg

RHS/Touch Rel.99 ch.4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.39 V/m; Power Drift = 0.03 dB

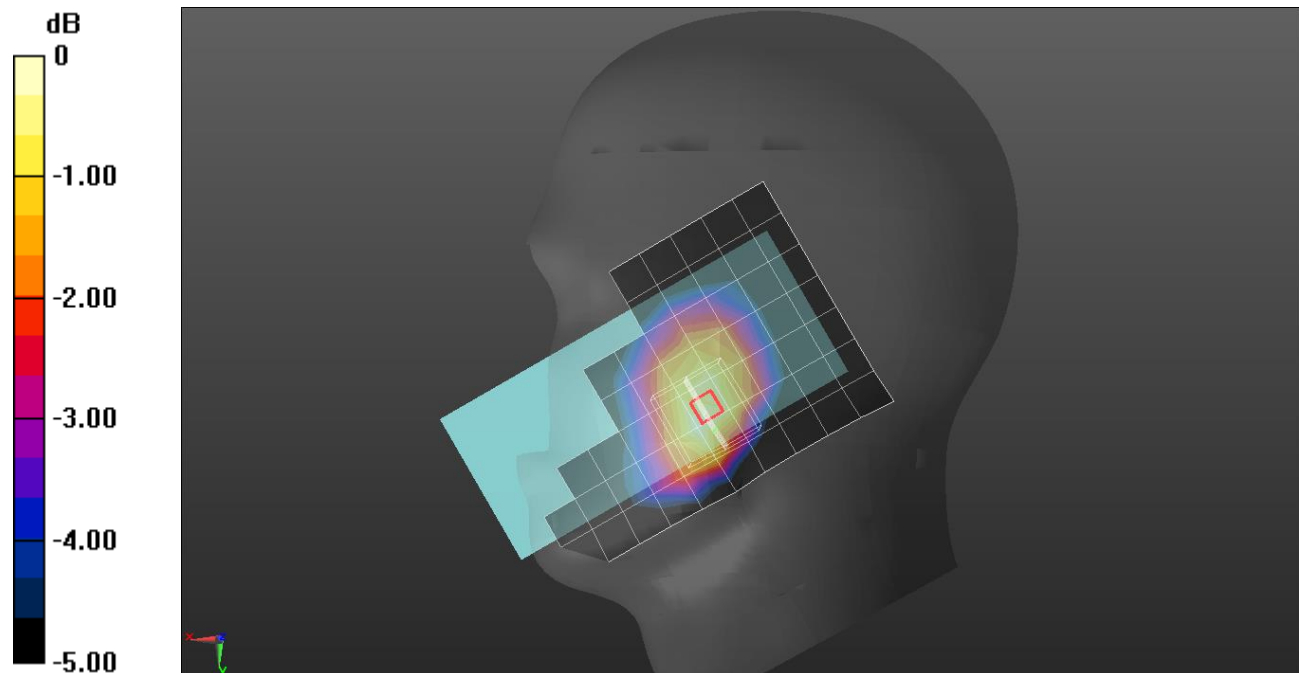
Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.176 W/kg

Smallest distance from peaks to all points 3 dB below = 18.2 mm

Ratio of SAR at M2 to SAR at M1 = 72.7%

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg = -6.76 dBW/kg

WCDMA Band V

Frequency: 836.6 MHz; Communication System Channel Number: 4183; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.214$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.6 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/Rel.99 ch.4183/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.527 W/kg

Right/Rel.99 ch.4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.89 V/m; Power Drift = 0.01 dB

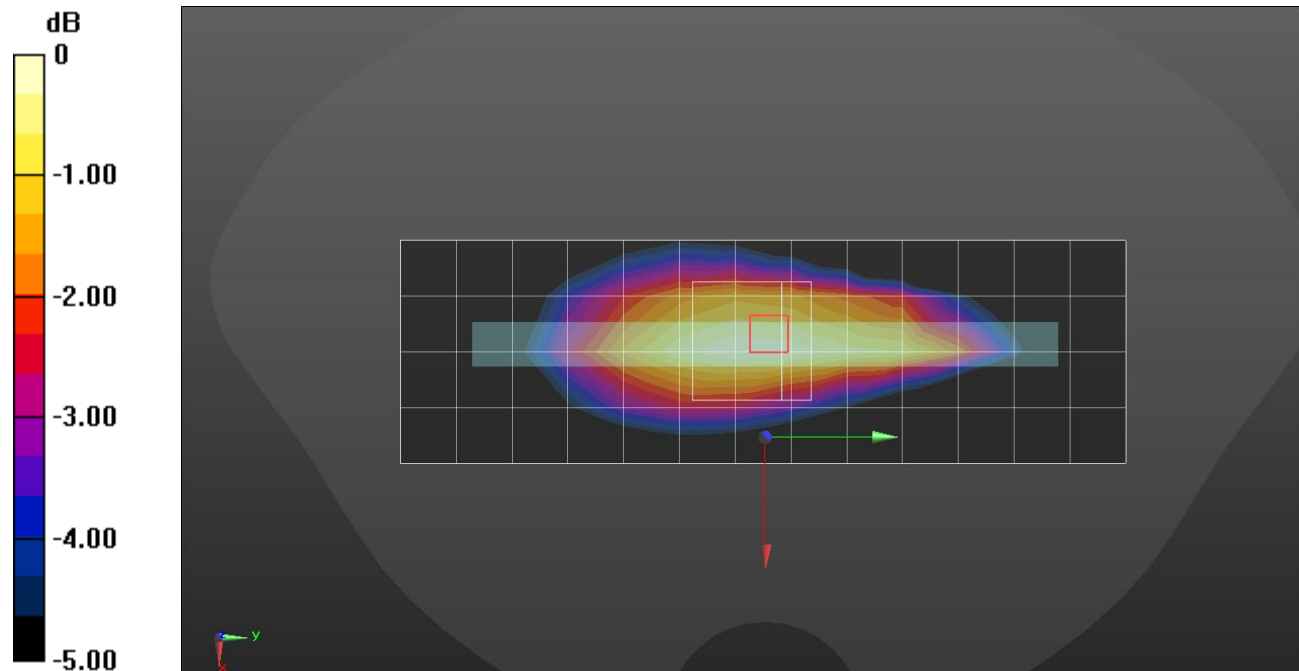
Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.407 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

Ratio of SAR at M2 to SAR at M1 = 67.1%

Maximum value of SAR (measured) = 0.528 W/kg



0 dB = 0.527 W/kg = -2.78 dBW/kg

Measurement Report for SM_F956U, CHEEK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 5 | WCDMA, 10011-CAC | 836.6 | 9.61 | 0.912 | 42.5 |

Hardware Setup

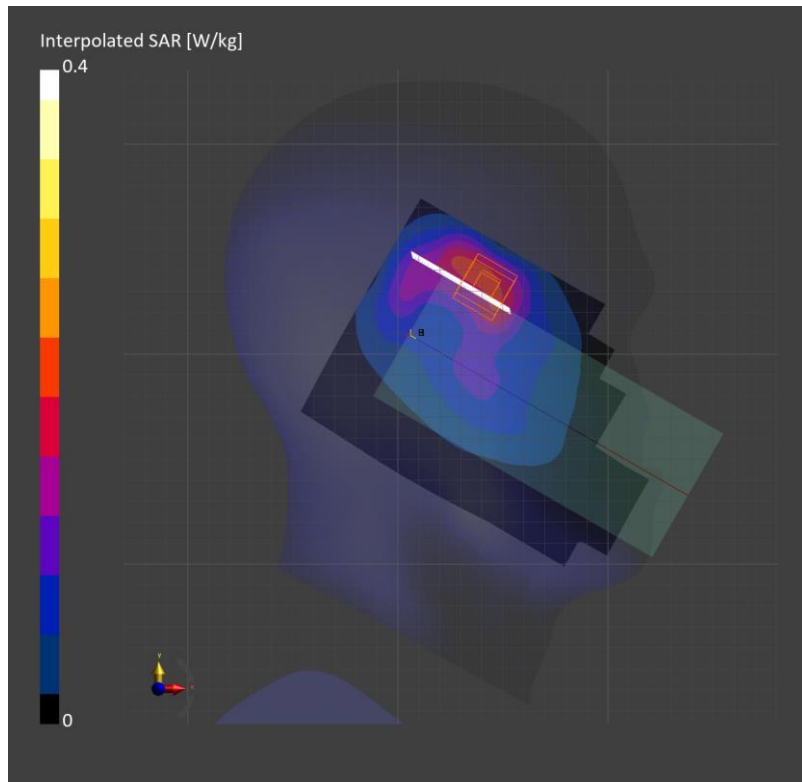
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.190 | 0.189 |
| psSAR10g [W/Kg] | 0.123 | 0.122 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 86.6 | |
| Dist 3dB Peak [mm] | 9.6 | |



Measurement Report for SM_F956U, BACK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.6 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 5 | WCDMA, 10011-CAC | 836.6 | 9.61 | 0.912 | 42.5 |

Hardware Setup

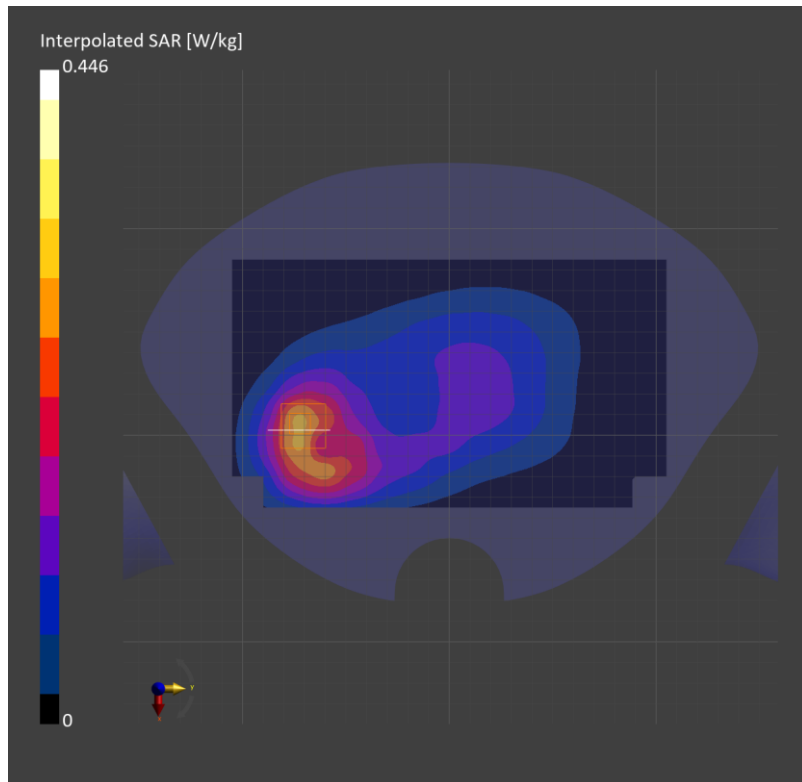
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.265 | 0.260 |
| psSAR10g [W/Kg] | 0.172 | 0.154 |
| Power Drift [dB] | | -0.04 |
| M2/M1 [%] | | 83.9 |
| Dist 3dB Peak [mm] | | 13.0 |



Measurement Report for SM_F956U, BACK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 5 | LTE-FDD, 10175-CAH | 836.5 | 9.61 | 0.944 | 42.4 |

Hardware Setup

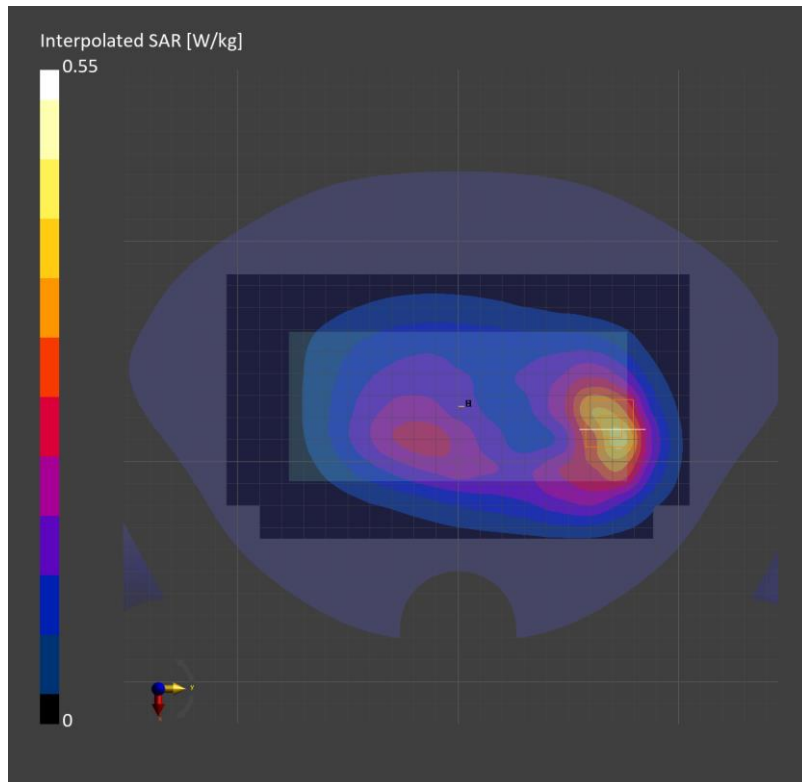
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.368 | 0.382 |
| psSAR10g [W/Kg] | 0.236 | 0.227 |
| Power Drift [dB] | 0.02 | |
| M2/M1 [%] | 86.2 | |
| Dist 3dB Peak [mm] | 11.9 | |



Measurement Report for SM_F956U, CHEEK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 5 | LTE-FDD, 10175-CAH | 836.5 | 9.61 | 0.944 | 42.4 |

Hardware Setup

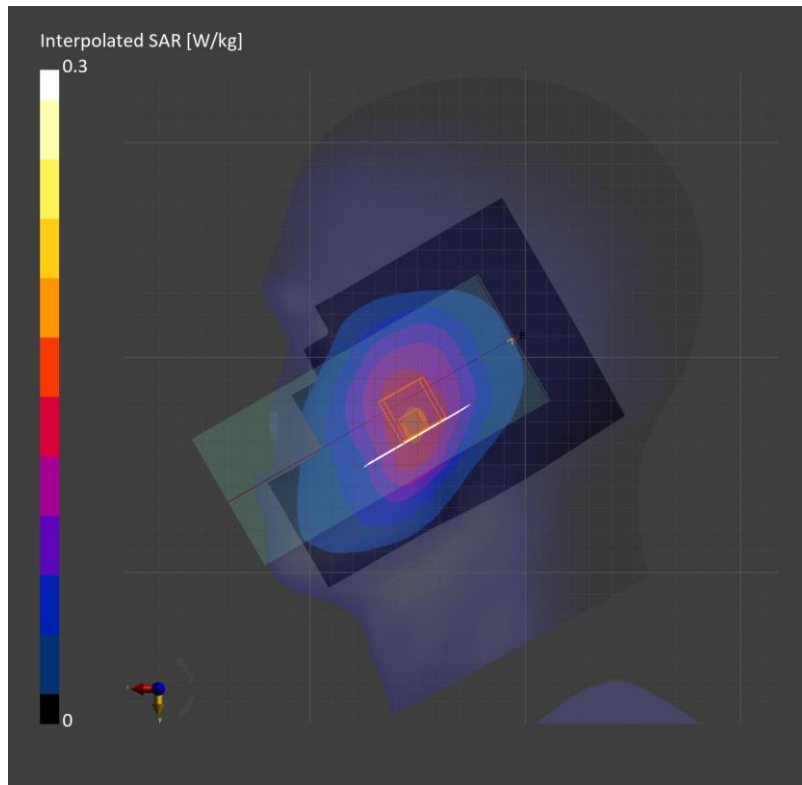
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.136 | 0.147 |
| psSAR10g [W/Kg] | 0.094 | 0.119 |
| Power Drift [dB] | | -0.06 |
| M2/M1 [%] | | 98.1 |
| Dist 3dB Peak [mm] | | 22.8 |



Measurement Report for SM_F956U, BACK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 5 | LTE-FDD, 10175-CAH | 836.5 | 9.31 | 0.904 | 41.8 |

Hardware Setup

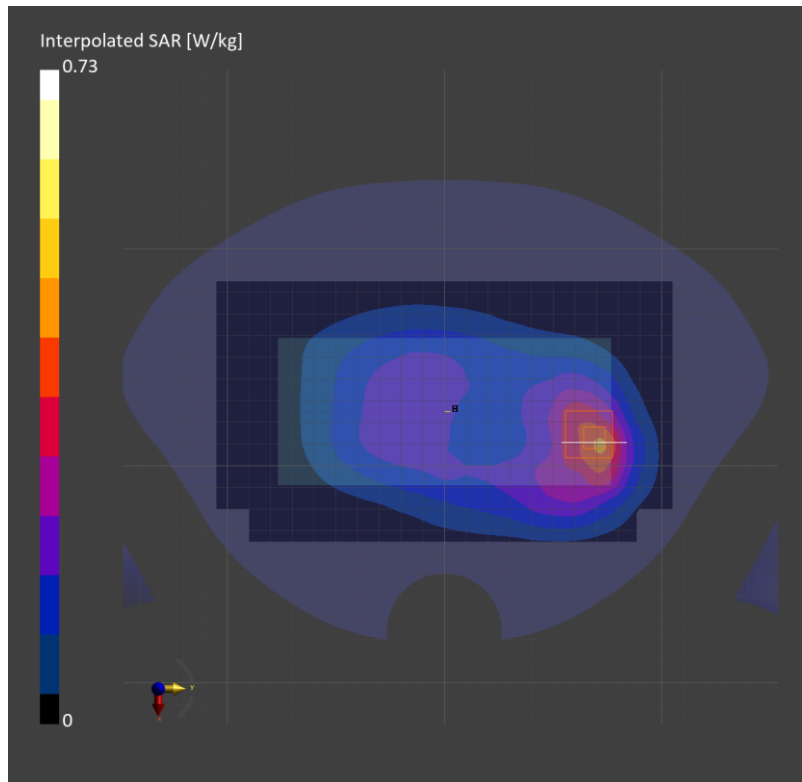
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.373 | 0.405 |
| psSAR10g [W/Kg] | 0.242 | 0.237 |
| Power Drift [dB] | 0.02 | |
| M2/M1 [%] | 81.1 | |
| Dist 3dB Peak [mm] | 13.5 | |



Measurement Report for SM_F956U, CHEEK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 5 | LTE-FDD, 10175-CAH | 836.5 | 9.31 | 0.904 | 41.8 |

Hardware Setup

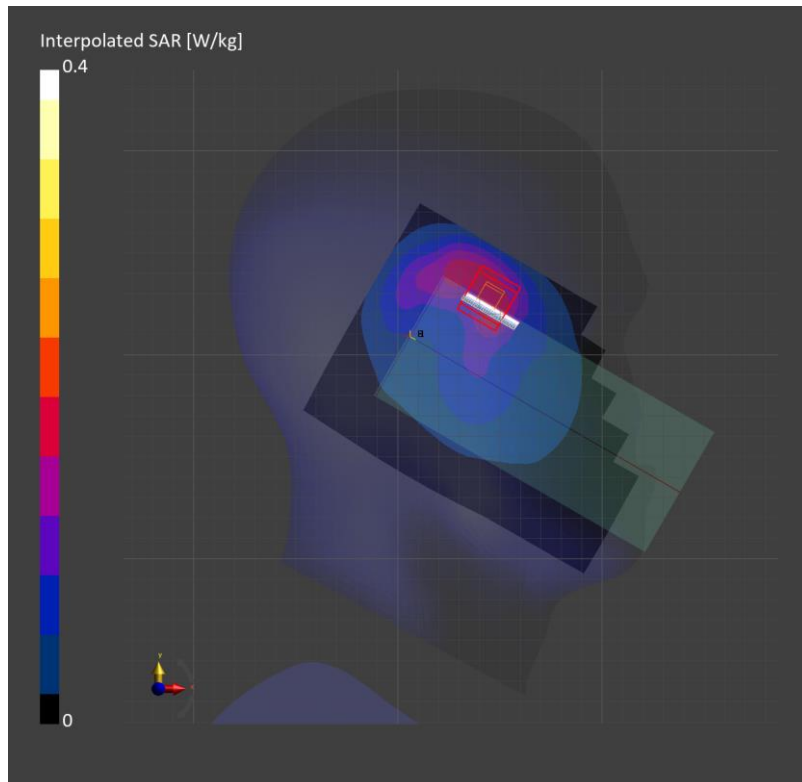
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.169 | 0.186 |
| psSAR10g [W/Kg] | 0.111 | 0.117 |
| Power Drift [dB] | | -0.00 |
| M2/M1 [%] | | 84.0 |
| Dist 3dB Peak [mm] | | 13.6 |



Measurement Report for SM_F956U, BACK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 5 | LTE-FDD, 10175-CAH | 836.5 | 8.99 | 0.898 | 41.6 |

Hardware Setup

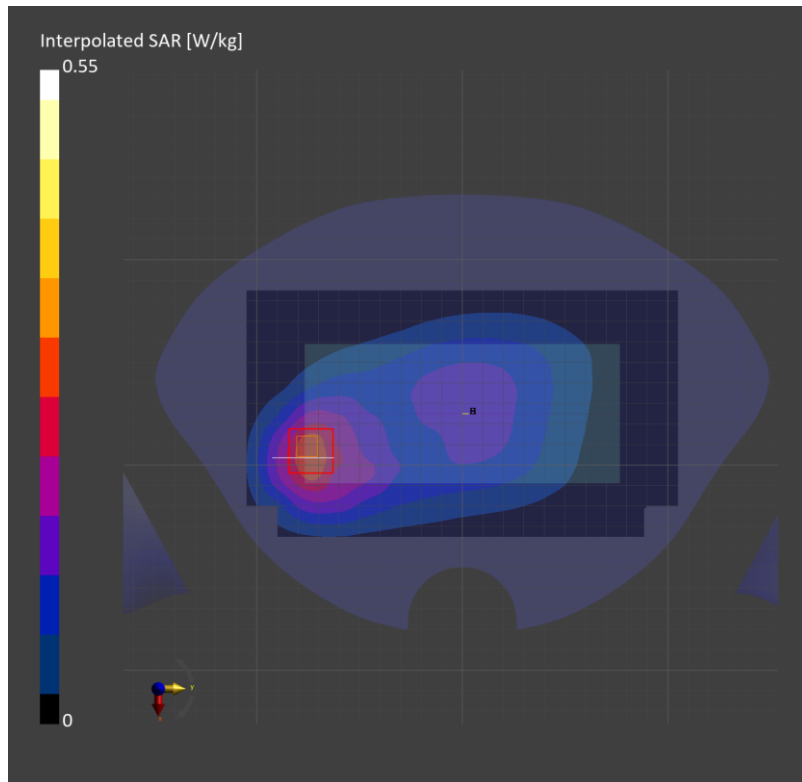
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.273 | 0.255 |
| psSAR10g [W/Kg] | 0.179 | 0.158 |
| Power Drift [dB] | | -0.03 |
| M2/M1 [%] | | 83.9 |
| Dist 3dB Peak [mm] | | 14.1 |



LTE Band 7

Frequency: 2535 MHz; Communication System Channel Number: 21100; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 39.607$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2535 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/0 ch.21100/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.223 W/kg

RHS/Touch QPSK RB 1/0 ch.21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.936 V/m; Power Drift = 0.03 dB

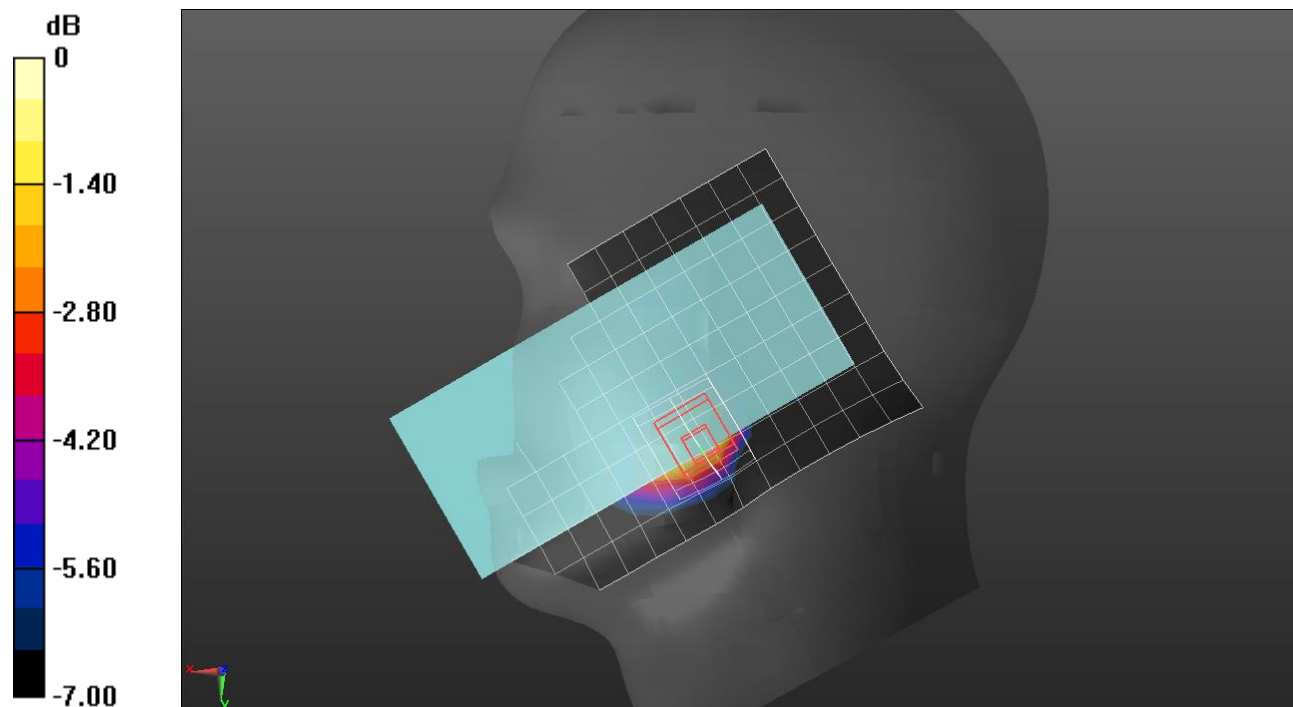
Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.081 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

Measurement Report for SM_F956U, EDGE BOTTOM, Band 7, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 21 350 (2560.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE BOTTOM, 10.00 | Band 7 | LTE-FDD, 10297-AAE | 2560.0 | 6.73 | 1.88 | 40.2 |

Hardware Setup

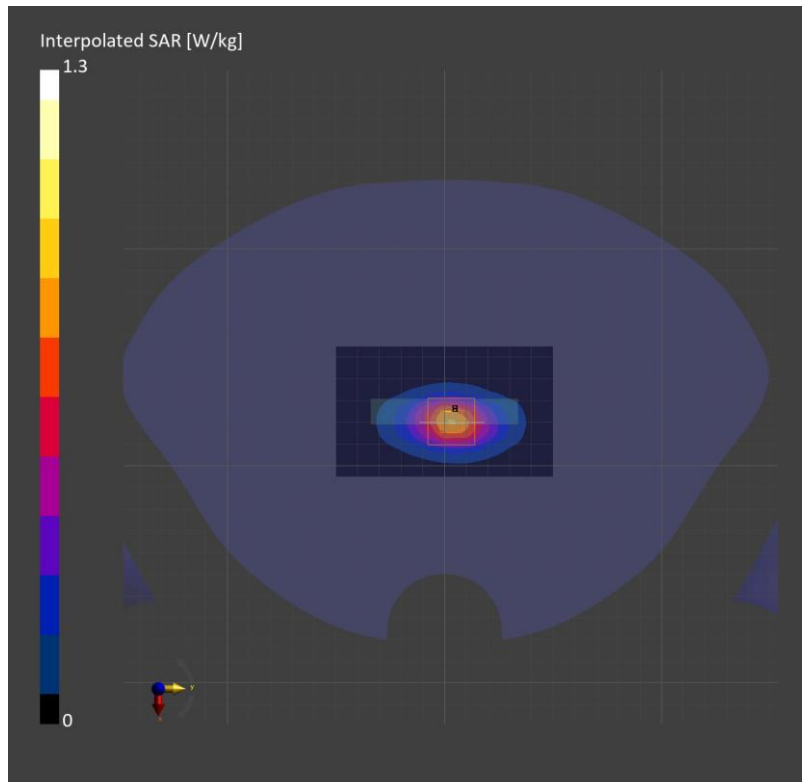
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.694 | 0.742 |
| psSAR10g [W/Kg] | 0.329 | 0.342 |
| Power Drift [dB] | -0.02 | |
| M2/M1 [%] | 80.9 | |
| Dist 3dB Peak [mm] | 9.0 | |



Measurement Report for SM_F956U, TILT, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK, Channel 21100 (2535.0 MHz))

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | TILT, 0.00 | Band 7 | LTE-FDD, 10169-CAF | 2535.0 | 8.01 | 1.85 | 40.6 |

Hardware Setup

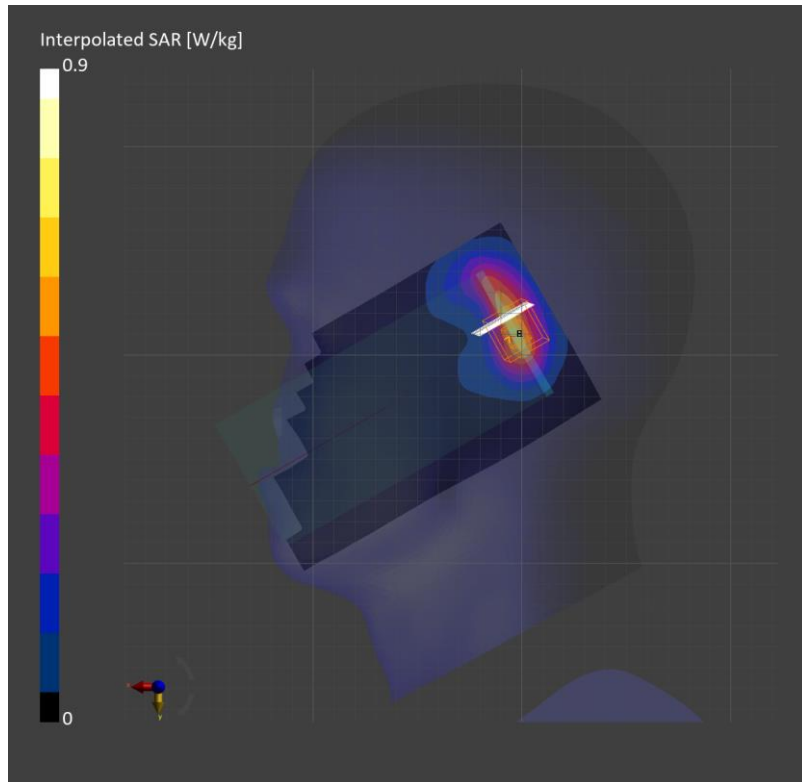
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2141 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn1798, 2023-05-02 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.500 | 0.517 |
| psSAR10g [W/Kg] | 0.252 | 0.275 |
| Power Drift [dB] | | -0.09 |
| M2/M1 [%] | | 84.2 |
| Dist 3dB Peak [mm] | | 10.3 |



Measurement Report for SM_F956U, EDGE TOP, Band 7, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 21100 (2535.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|--------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 7 | LTE-FDD, 10297-AAE | 2535.0 | 8.01 | 1.84 | 39.4 |

Hardware Setup

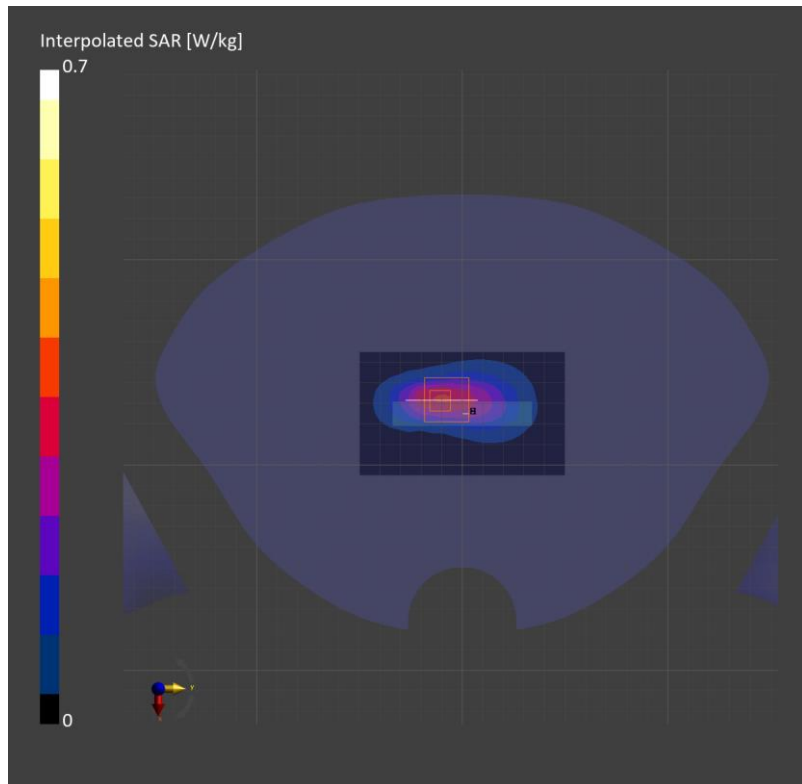
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.283 | 0.298 |
| psSAR10g [W/Kg] | 0.141 | 0.146 |
| Power Drift [dB] | | 0.01 |
| M2/M1 [%] | | 81.0 |
| Dist 3dB Peak [mm] | | 9.0 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 12 | LTE-FDD, 10175-CAH | 707.5 | 9.64 | 0.897 | 43.0 |

Hardware Setup

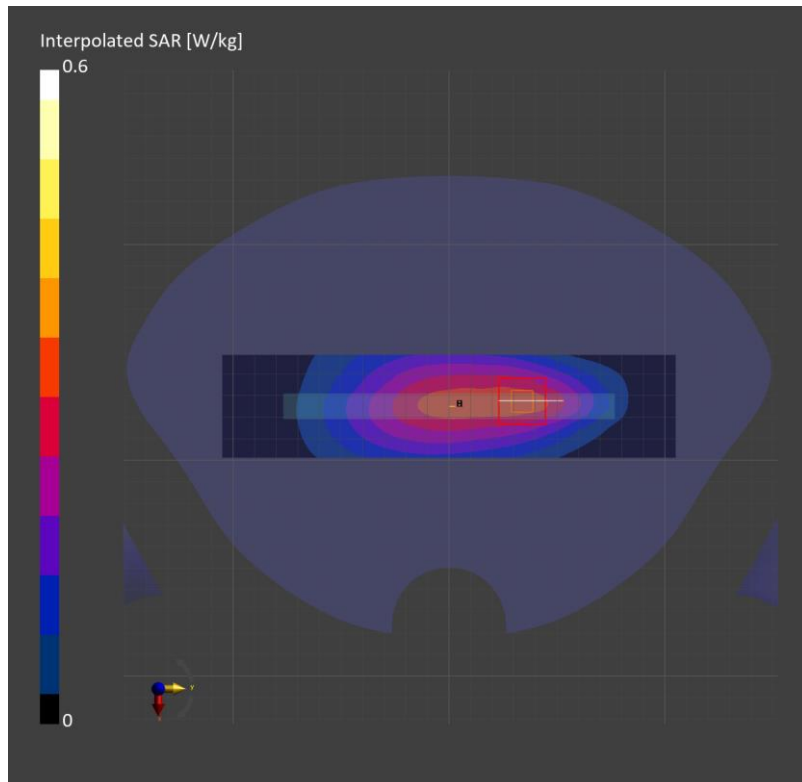
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.293 | 0.299 |
| psSAR10g [W/Kg] | 0.200 | 0.201 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 89.9 |
| Dist 3dB Peak [mm] | | 14.1 |



Measurement Report for SM_F956U, CHEEK, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 12 | LTE-FDD, 10175-CAH | 707.5 | 9.64 | 0.897 | 43.0 |

Hardware Setup

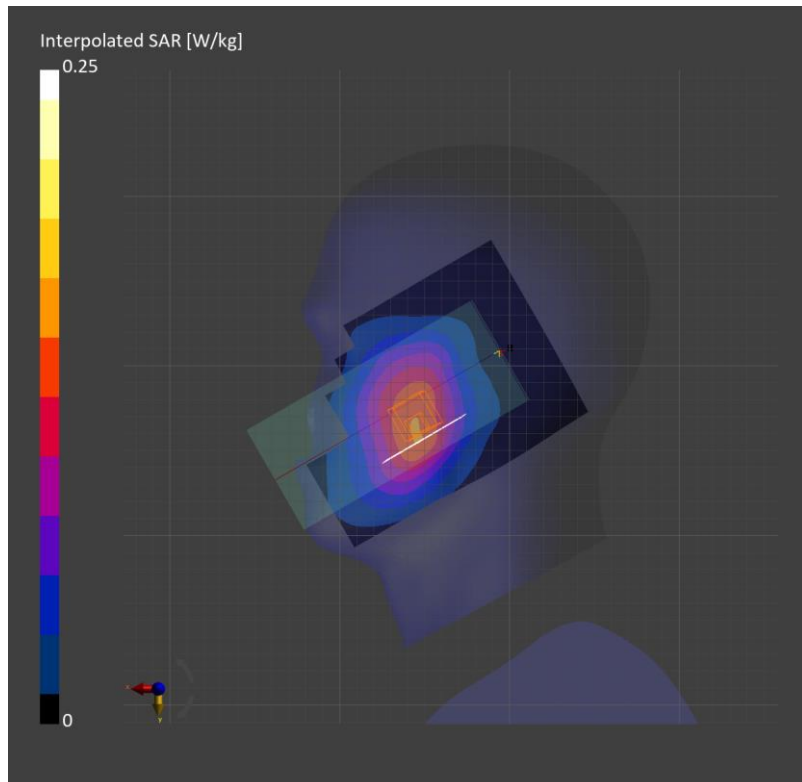
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.131 | 0.141 |
| psSAR10g [W/Kg] | 0.092 | 0.114 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 97.9 |
| Dist 3dB Peak [mm] | | 23.2 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 12 | LTE-FDD, 10175-CAH | 707.5 | 9.6 | 0.865 | 41.7 |

Hardware Setup

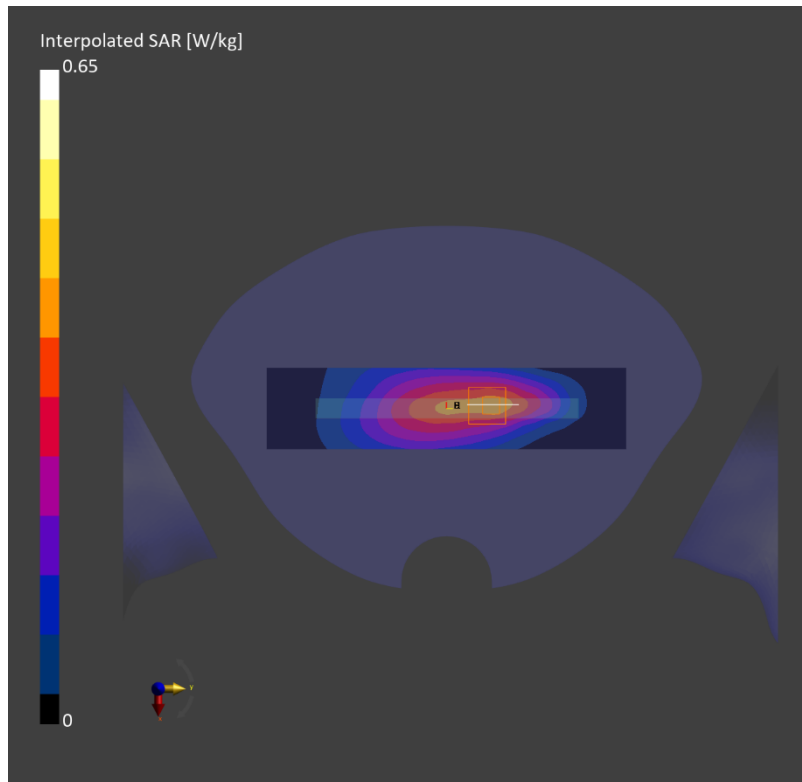
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 4.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.361 | 0.351 |
| psSAR10g [W/Kg] | 0.239 | 0.234 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 84.7 | |
| Dist 3dB Peak [mm] | 14.5 | |



Measurement Report for SM_F956U, CHEEK, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 12 | LTE-FDD, 10175-CAH | 707.5 | 9.6 | 0.858 | 42.2 |

Hardware Setup

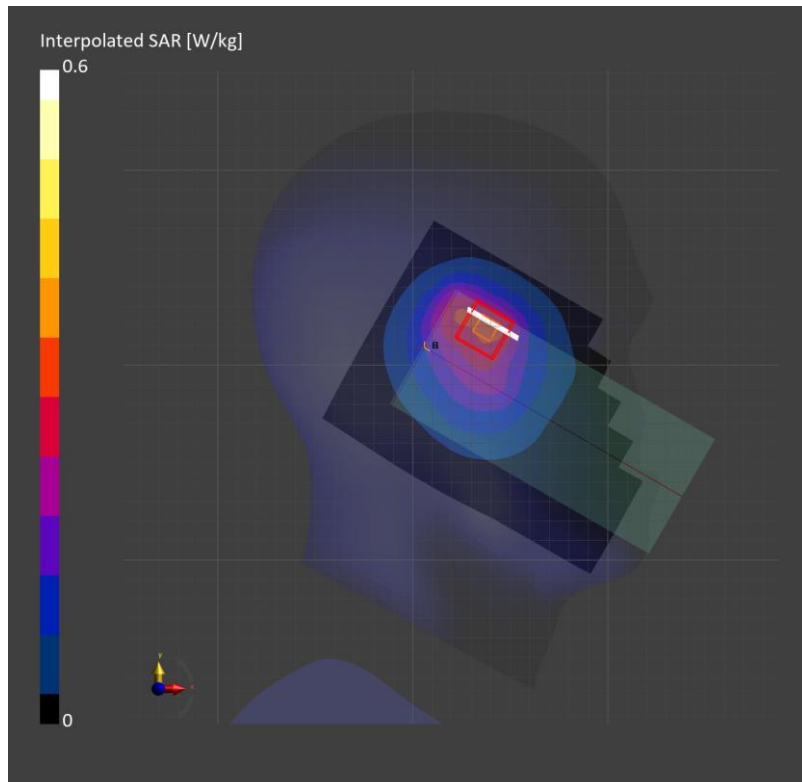
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.276 | 0.288 |
| psSAR10g [W/Kg] | 0.191 | 0.195 |
| Power Drift [dB] | -0.01 | |
| M2/M1 [%] | 77.5 | |
| Dist 3dB Peak [mm] | 8.4 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 12 | LTE-FDD, 10175-CAH | 707.5 | 9.64 | 0.878 | 42.4 |

Hardware Setup

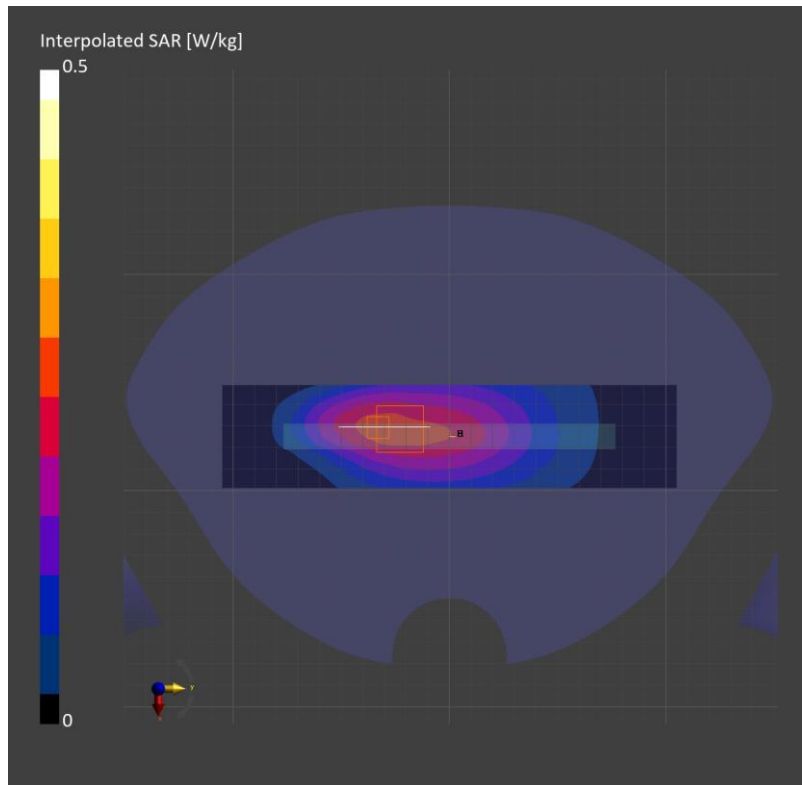
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.243 | 0.255 |
| psSAR10g [W/Kg] | 0.166 | 0.177 |
| Power Drift [dB] | | 0.00 |
| M2/M1 [%] | | 86.6 |
| Dist 3dB Peak [mm] | | 14.9 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 13 | LTE-FDD, 10175-CAH | 782.0 | 7.92 | 0.893 | 41.3 |

Hardware Setup

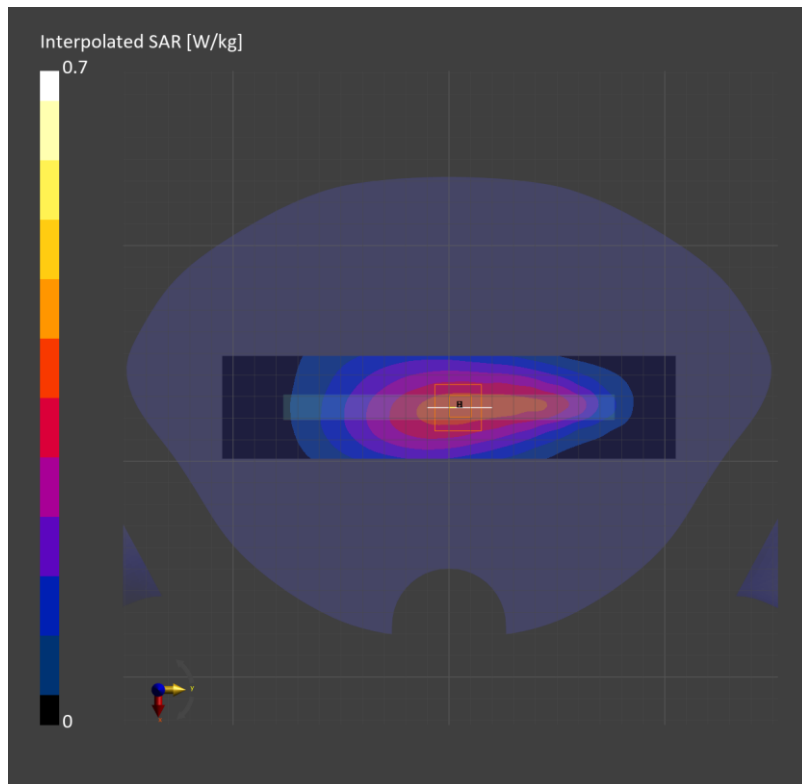
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.344 | 0.345 |
| psSAR10g [W/Kg] | 0.232 | 0.243 |
| Power Drift [dB] | 0.06 | |
| M2/M1 [%] | 88.4 | |
| Dist 3dB Peak [mm] | > 15.0 | |



Measurement Report for SM_F956U, CHEEK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 13 | LTE-FDD, 10175-CAH | 782.0 | 9.64 | 0.925 | 42.7 |

Hardware Setup

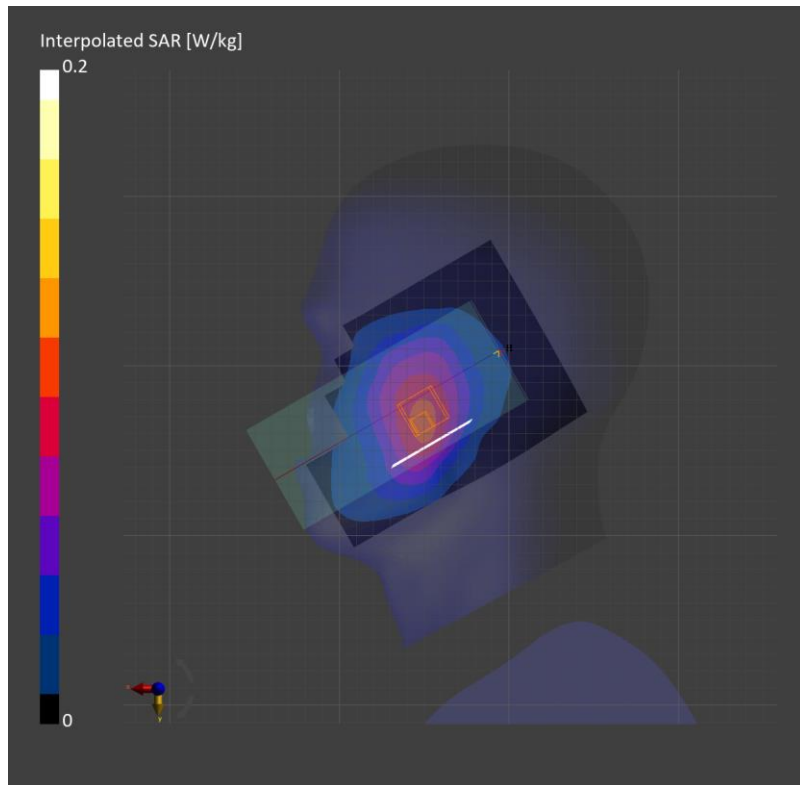
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.094 | 0.101 |
| psSAR10g [W/Kg] | 0.065 | 0.081 |
| Power Drift [dB] | | 0.01 |
| M2/M1 [%] | | 97.6 |
| Dist 3dB Peak [mm] | | 21.7 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 13, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK), Channel 23230 (782.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 13 | LTE-FDD, 10154-CAH | 782.0 | 9.6 | 0.891 | 41.4 |

Hardware Setup

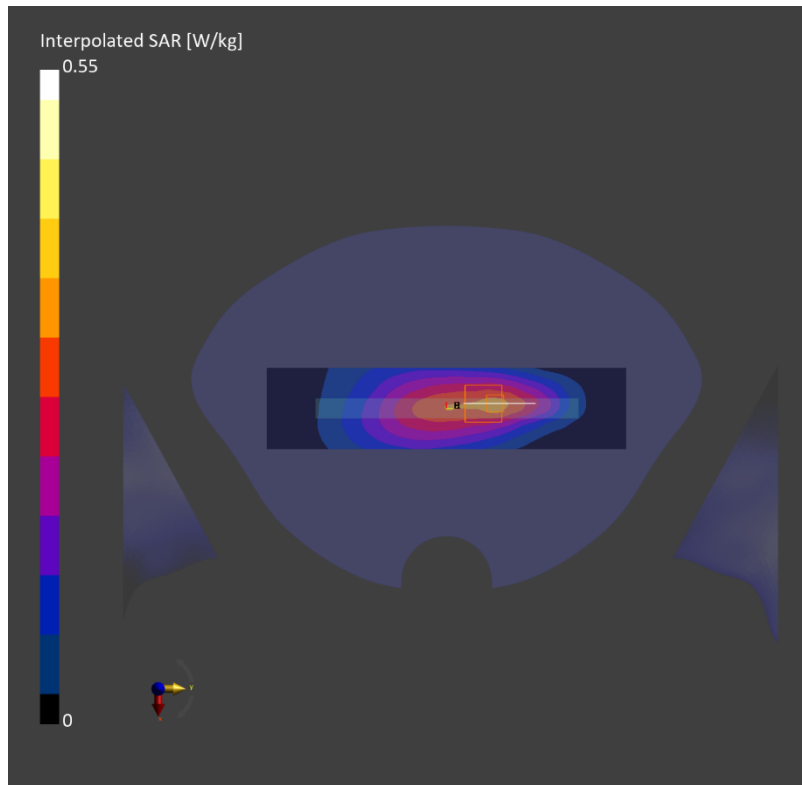
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 4.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.295 | 0.302 |
| psSAR10g [W/Kg] | 0.194 | 0.199 |
| Power Drift [dB] | | 0.01 |
| M2/M1 [%] | | 85.0 |
| Dist 3dB Peak [mm] | | 13.2 |



Measurement Report for SM_F956U, CHEEK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 13 | LTE-FDD, 10175-CAH | 782.0 | 9.6 | 0.888 | 42.0 |

Hardware Setup

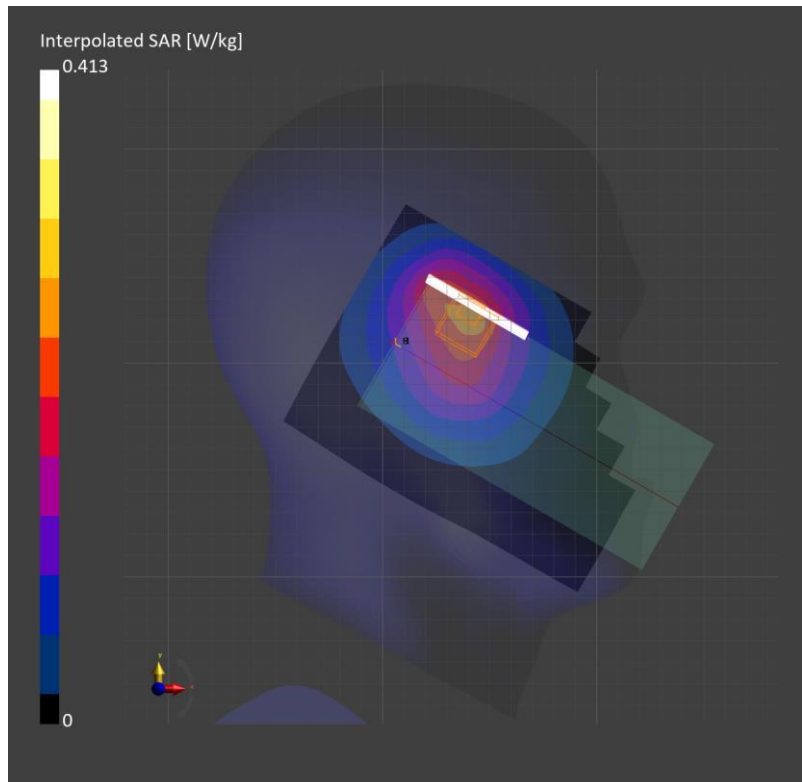
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.222 | 0.231 |
| psSAR10g [W/Kg] | 0.152 | 0.161 |
| Power Drift [dB] | | -0.07 |
| M2/M1 [%] | | 78.1 |
| Dist 3dB Peak [mm] | | 10.9 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 13 | LTE-FDD, 10175-CAH | 782.0 | 9.64 | 0.905 | 42.1 |

Hardware Setup

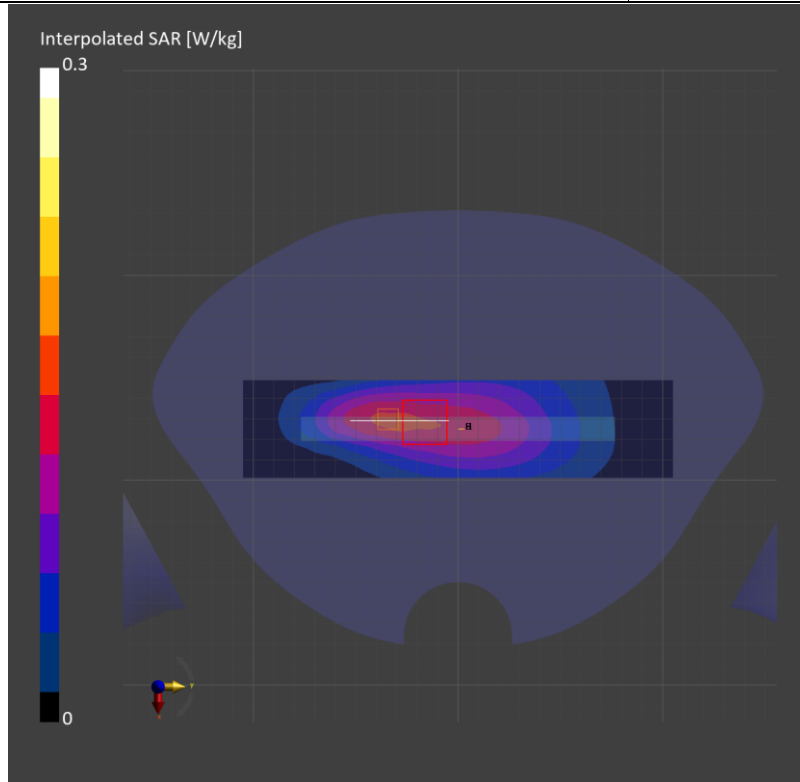
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.137 | 0.143 |
| psSAR10g [W/Kg] | 0.091 | 0.097 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 87.6 |
| Dist 3dB Peak [mm] | | 12.6 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 14 | LTE-FDD, 10175-CAH | 793.0 | 9.64 | 0.909 | 42.6 |

Hardware Setup

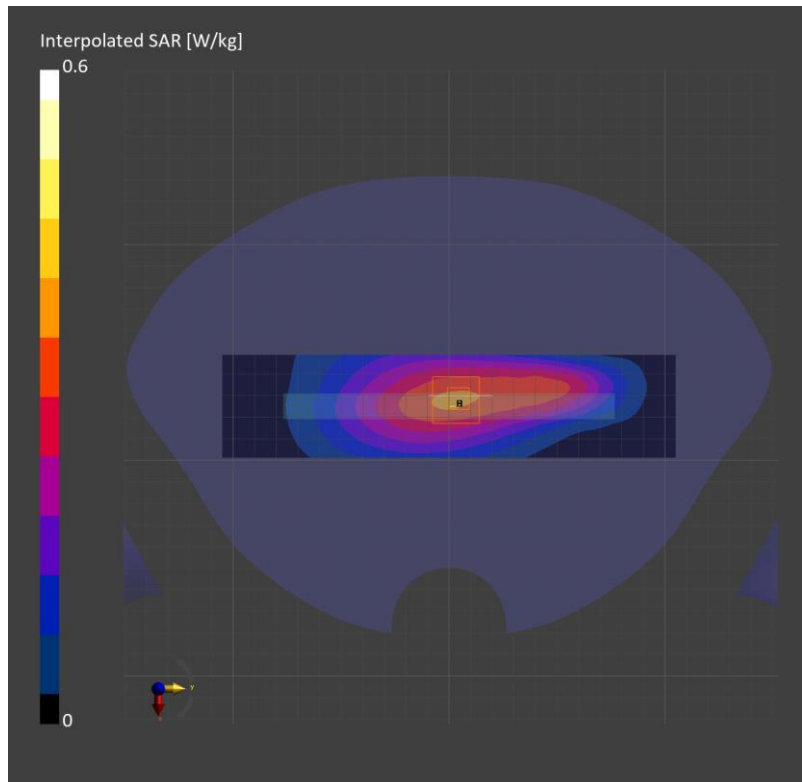
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.316 | 0.332 |
| psSAR10g [W/Kg] | 0.215 | 0.234 |
| Power Drift [dB] | | -0.03 |
| M2/M1 [%] | | 90.8 |
| Dist 3dB Peak [mm] | | > 15.0 |



Measurement Report for SM_F956U, CHEEK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 14 | LTE-FDD, 10175-CAH | 793.0 | 9.64 | 0.929 | 42.6 |

Hardware Setup

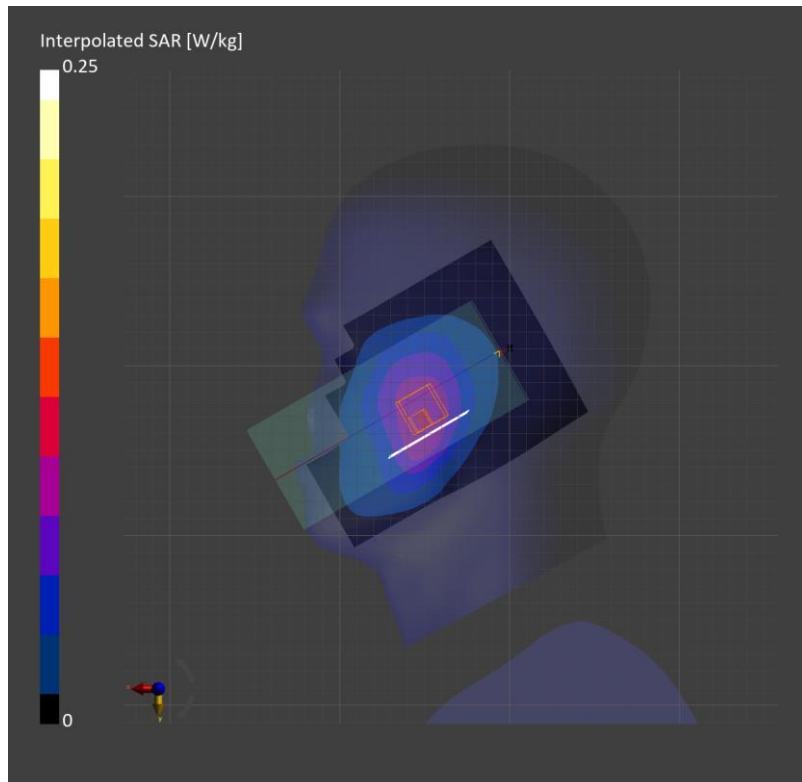
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.093 | 0.099 |
| psSAR10g [W/Kg] | 0.064 | 0.080 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 98.2 |
| Dist 3dB Peak [mm] | | 20.1 |



Measurement Report for SM_F956U, EDGE RIGHT, Band 14, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK), Channel 23330 (793.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 14 | LTE-FDD, 10154-CAH | 793.0 | 9.6 | 0.894 | 41.4 |

Hardware Setup

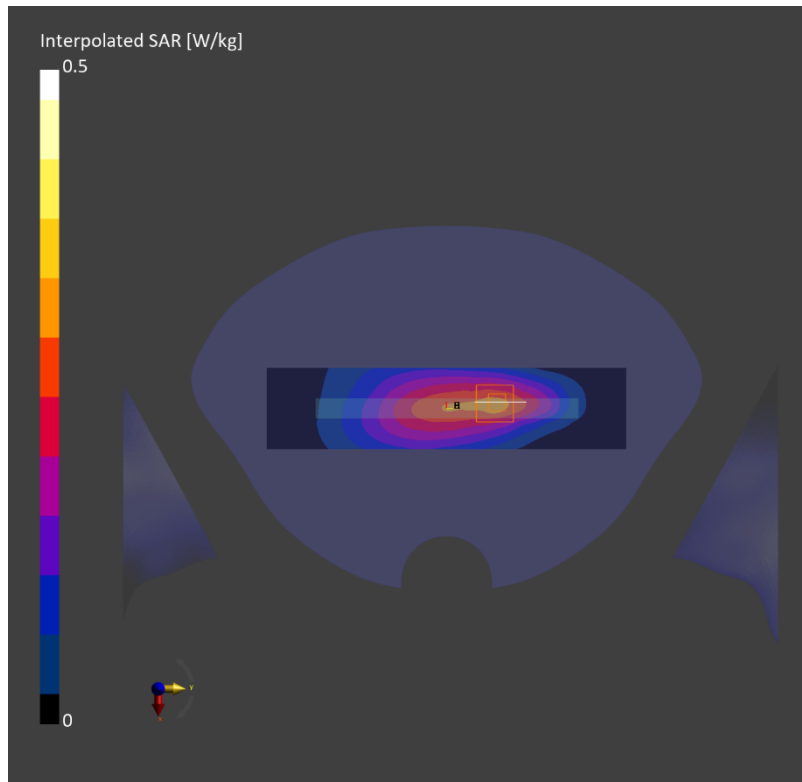
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 4.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.270 | 0.279 |
| psSAR10g [W/Kg] | 0.177 | 0.177 |
| Power Drift [dB] | 0.00 | |
| M2/M1 [%] | 85.5 | |
| Dist 3dB Peak [mm] | 12.6 | |



Measurement Report for SM_F956U, CHEEK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 14 | LTE-FDD, 10175-CAH | 793.0 | 9.6 | 0.903 | 41.4 |

Hardware Setup

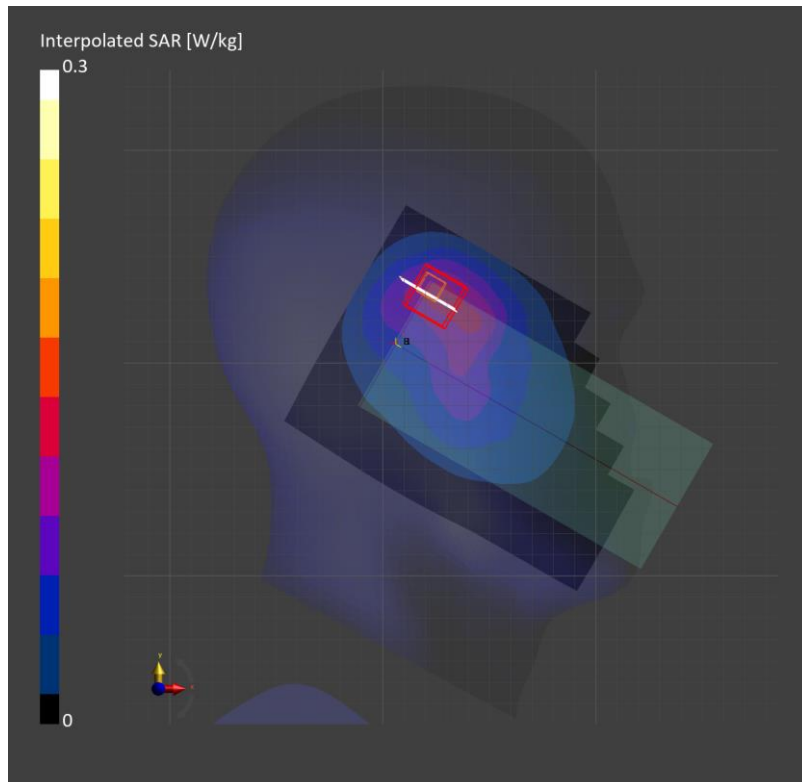
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.117 | 0.110 |
| psSAR10g [W/Kg] | 0.079 | 0.071 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 76.9 |
| Dist 3dB Peak [mm] | | 11.4 |



Measurement Report for SM_F956U, BACK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 14 | LTE-FDD, 10175-CAH | 793.0 | 9.6 | 0.903 | 41.4 |

Hardware Setup

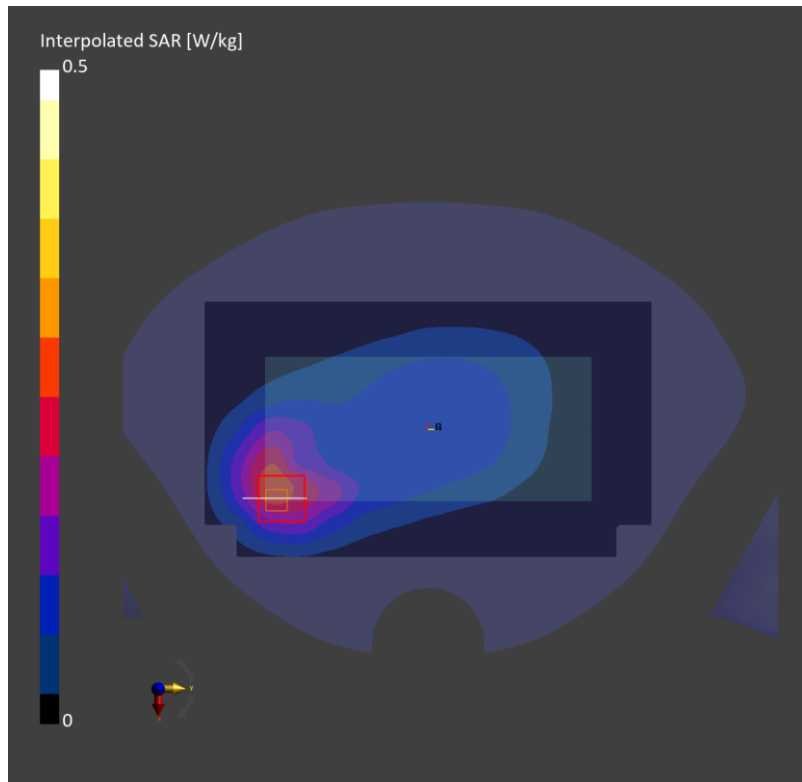
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.249 | 0.236 |
| psSAR10g [W/Kg] | 0.160 | 0.134 |
| Power Drift [dB] | 0.05 | |
| M2/M1 [%] | 78.3 | |
| Dist 3dB Peak [mm] | 11.1 | |



LTE Band 25

Frequency: 1860 MHz; Communication System Channel Number: 26140; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.343$ S/m; $\epsilon_r = 39.874$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 - SN7651; ConvF(8.14, 8.76, 7.51) @ 1860 MHz; Calibrated: 5/30/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/0 ch.26140/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.115 W/kg

RHS/Touch QPSK RB 1/0 ch.26140/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.488 V/m; Power Drift = 0.09 dB

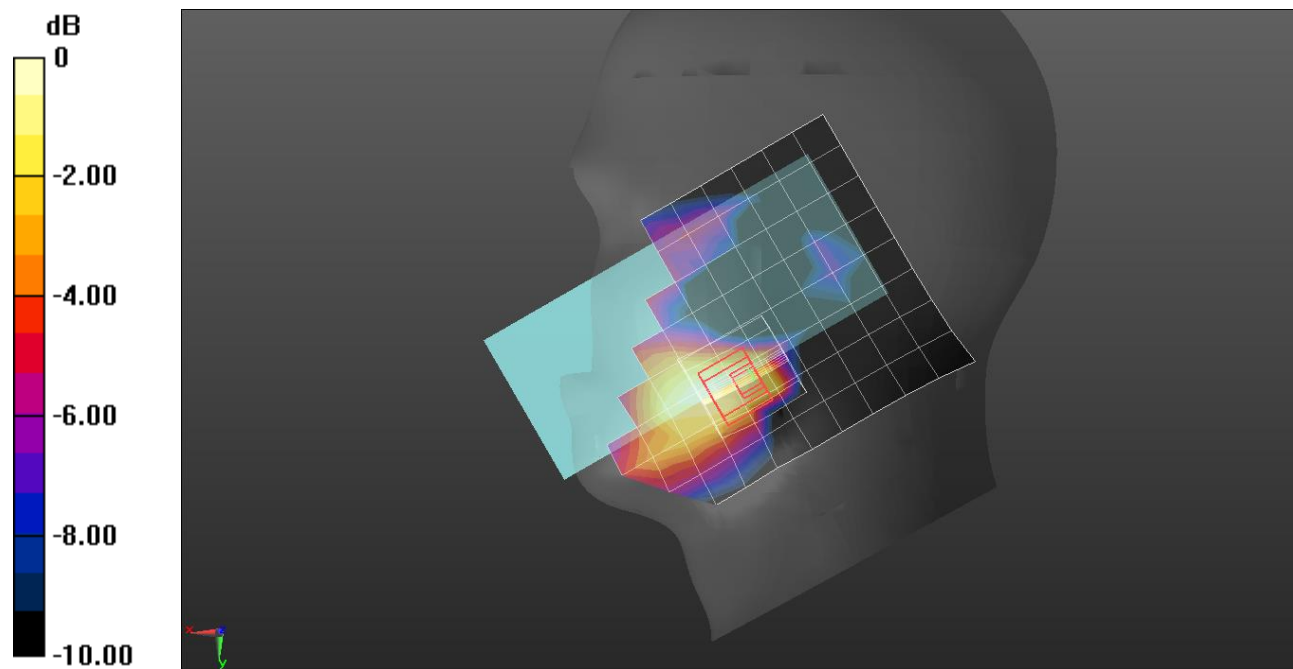
Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.073 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 61.7%

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.115 W/kg = -9.39 dBW/kg

LTE Band 25

Frequency: 1905 MHz; Communication System Channel Number: 26590; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1905 \text{ MHz}$; $\sigma = 1.433 \text{ S/m}$; $\epsilon_r = 40.478$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1905 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/24 ch.26590/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.23 W/kg

Bottom/QPSK RB 50/24 ch.26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.66 V/m; Power Drift = 0.00 dB

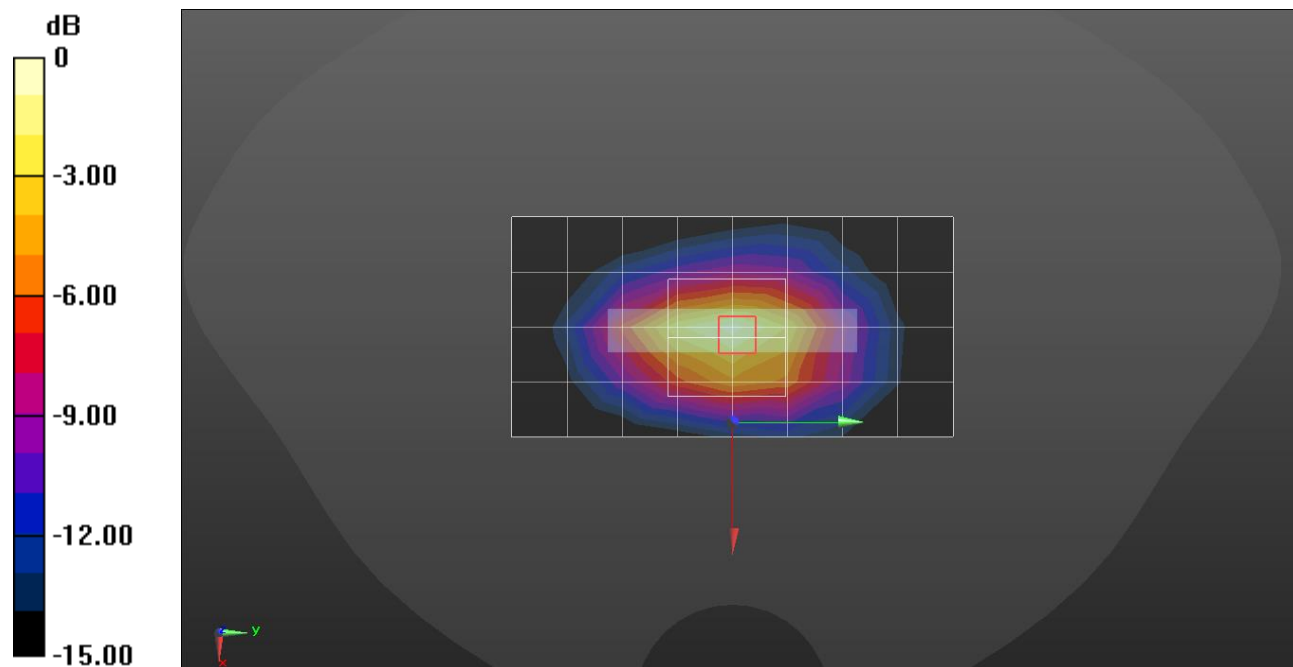
Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.897 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Measurement Report for SM_F956U, TILT, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 26590 (1905.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Band 25 | LTE-FDD, 10169-CAF | 1905.0 | 8.31 | 1.41 | 40.8 |

Hardware Setup

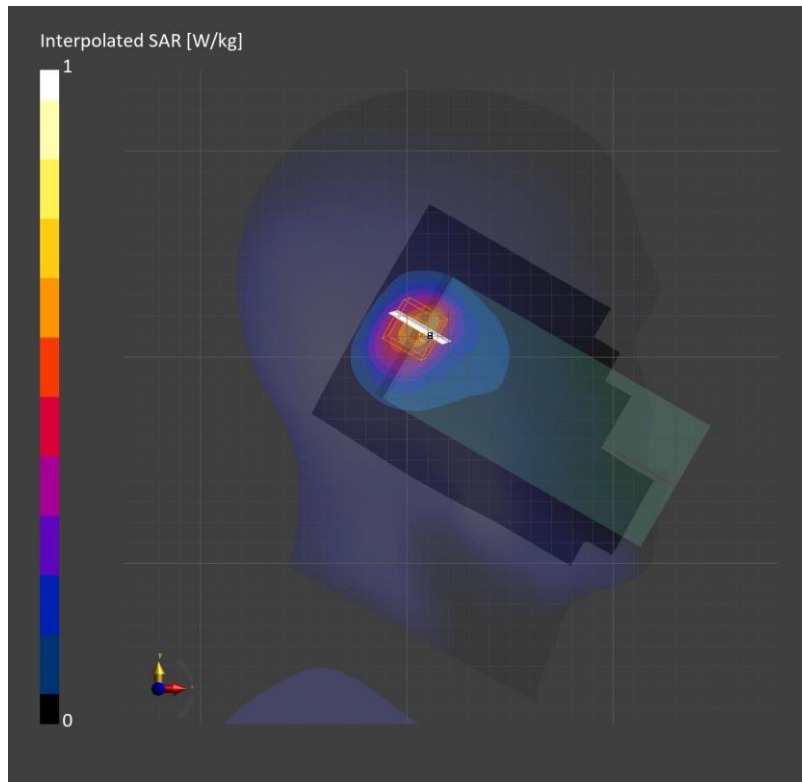
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.549 | 0.660 |
| psSAR10g [W/Kg] | 0.317 | 0.366 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 88.4 |
| Dist 3dB Peak [mm] | | 10.8 |



Measurement Report for SM_F956U, EDGE TOP, Band 25, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 26140 (1860.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 25 | LTE-FDD, 10297-AAE | 1860.0 | 8.31 | 1.38 | 40.8 |

Hardware Setup

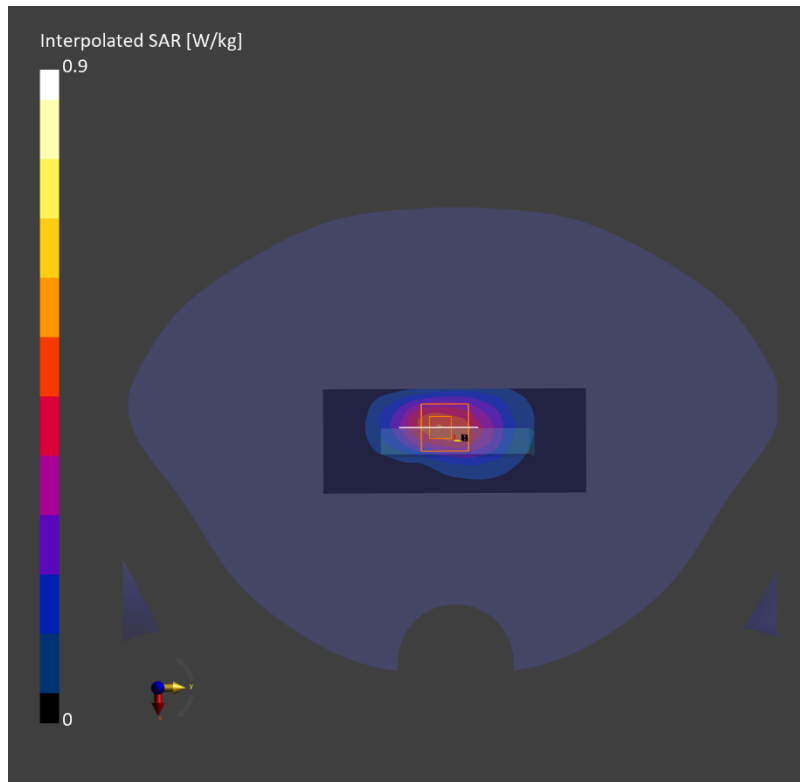
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 120.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.429 | 0.489 |
| psSAR10g [W/Kg] | 0.242 | 0.269 |
| Power Drift [dB] | | -0.04 |
| M2/M1 [%] | | 85.2 |
| Dist 3dB Peak [mm] | | 9.6 |



Measurement Report for SM_F956U, BACK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 26 | LTE-FDD, 10181-CAF | 831.5 | 9.61 | 0.923 | 42.4 |

Hardware Setup

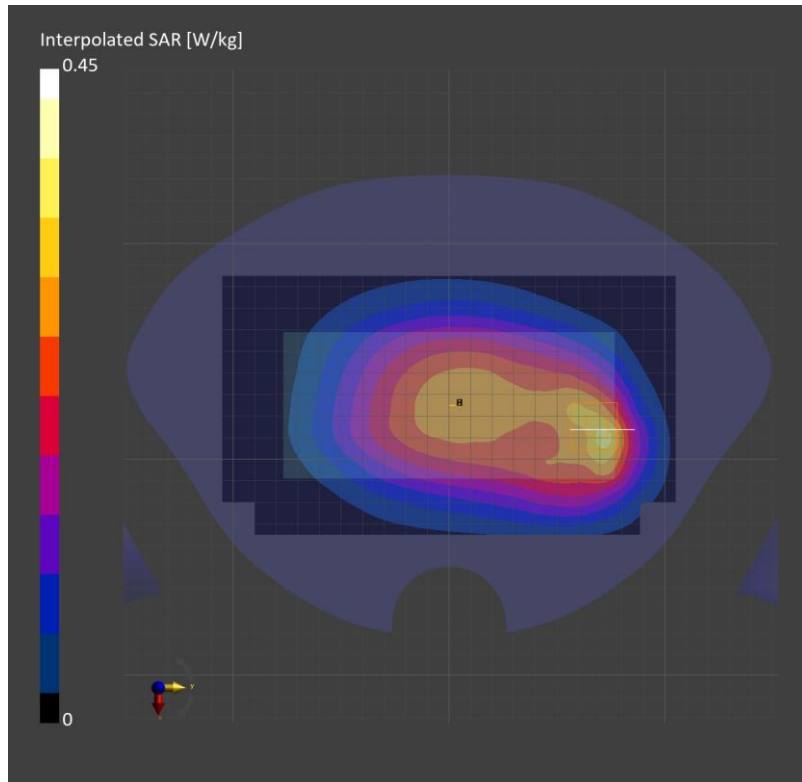
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.298 | 0.299 |
| psSAR10g [W/Kg] | 0.198 | 0.191 |
| Power Drift [dB] | -0.03 | |
| M2/M1 [%] | 86.7 | |
| Dist 3dB Peak [mm] | 15.3 | |



Measurement Report for SM_F956U, CHEEK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 26 | LTE-FDD, 10181-CAF | 831.5 | 9.31 | 0.902 | 41.3 |

Hardware Setup

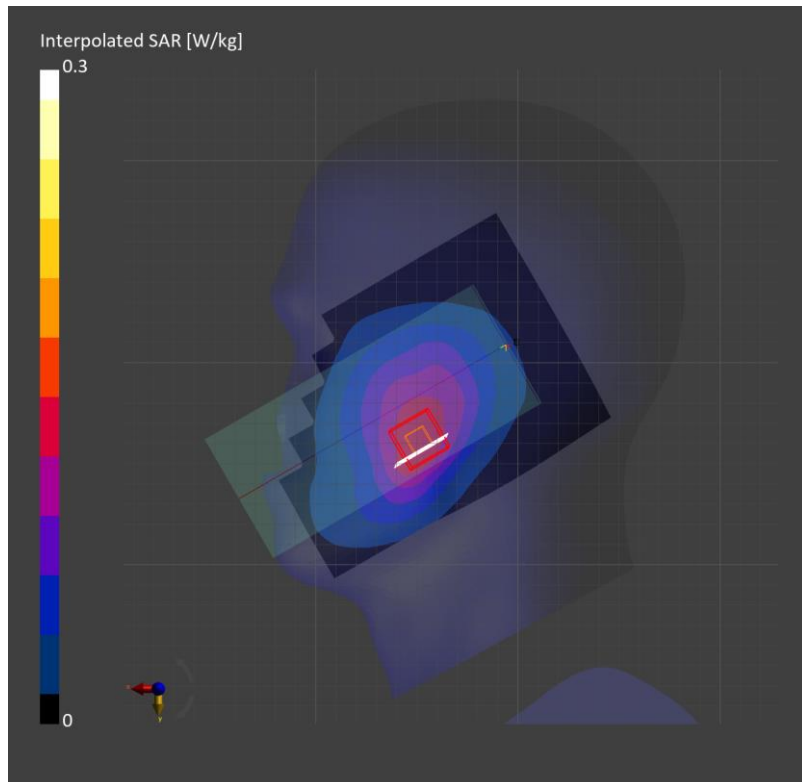
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.131 | 0.136 |
| psSAR10g [W/Kg] | 0.090 | 0.104 |
| Power Drift [dB] | | -0.07 |
| M2/M1 [%] | | 90.4 |
| Dist 3dB Peak [mm] | | 15.5 |



Measurement Report for SM_F956U, BACK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 26 | LTE-FDD, 10181-CAF | 831.5 | 9.31 | 0.903 | 41.8 |

Hardware Setup

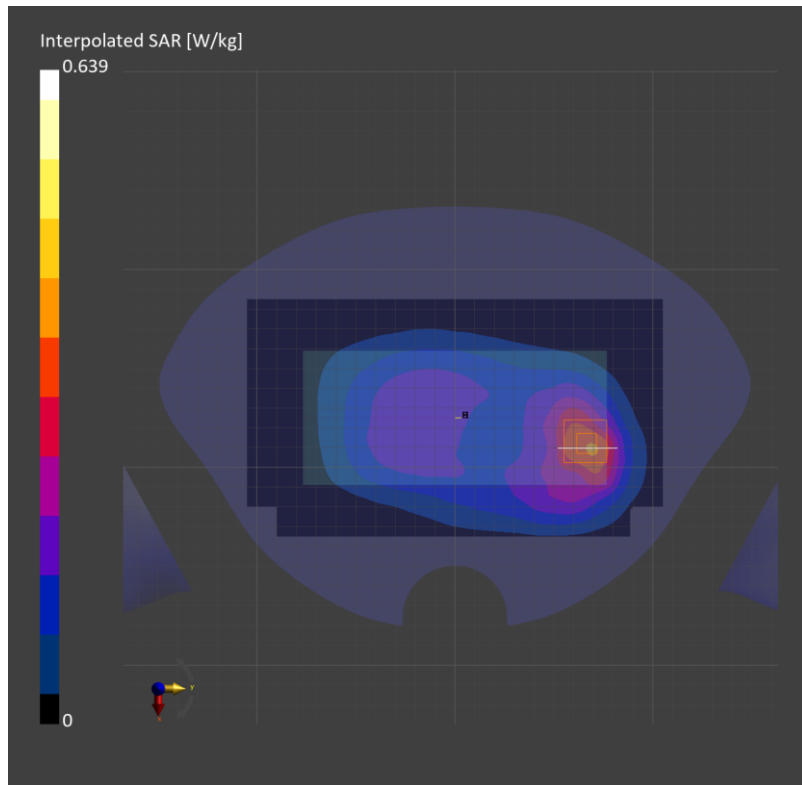
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.332 | 0.361 |
| psSAR10g [W/Kg] | 0.218 | 0.214 |
| Power Drift [dB] | 0.05 | |
| M2/M1 [%] | 82.6 | |
| Dist 3dB Peak [mm] | 12.6 | |



Measurement Report for SM_F956U, CHEEK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 26 | LTE-FDD, 10181-CAF | 831.5 | 8.99 | 0.897 | 41.6 |

Hardware Setup

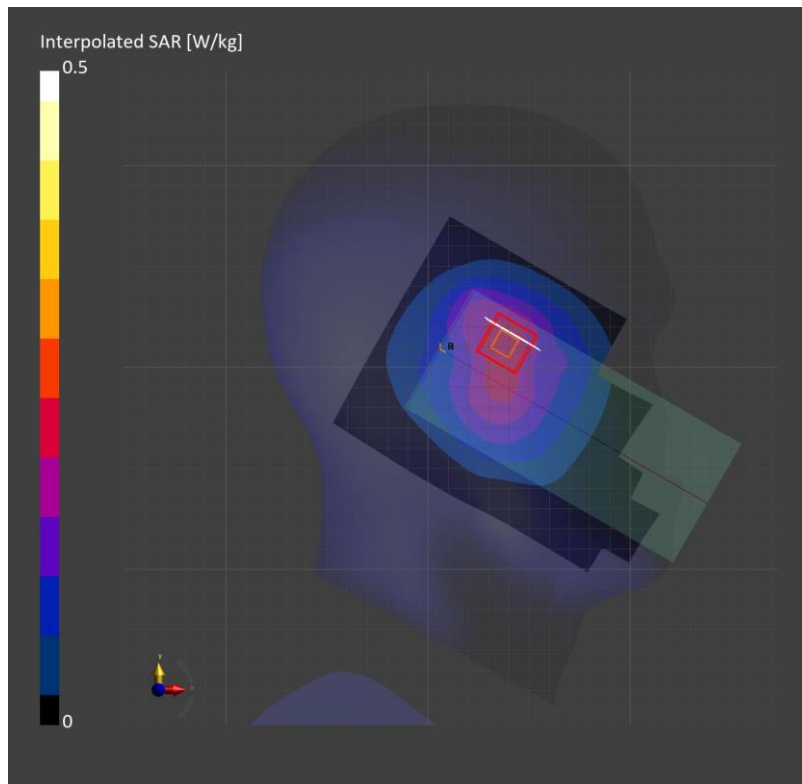
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.213 | 0.210 |
| psSAR10g [W/Kg] | 0.144 | 0.142 |
| Power Drift [dB] | -0.12 | |
| M2/M1 [%] | 87.1 | |
| Dist 3dB Peak [mm] | 16.1 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 26 | LTE-FDD, 10181-CAF | 831.5 | 9.61 | 0.914 | 42.0 |

Hardware Setup

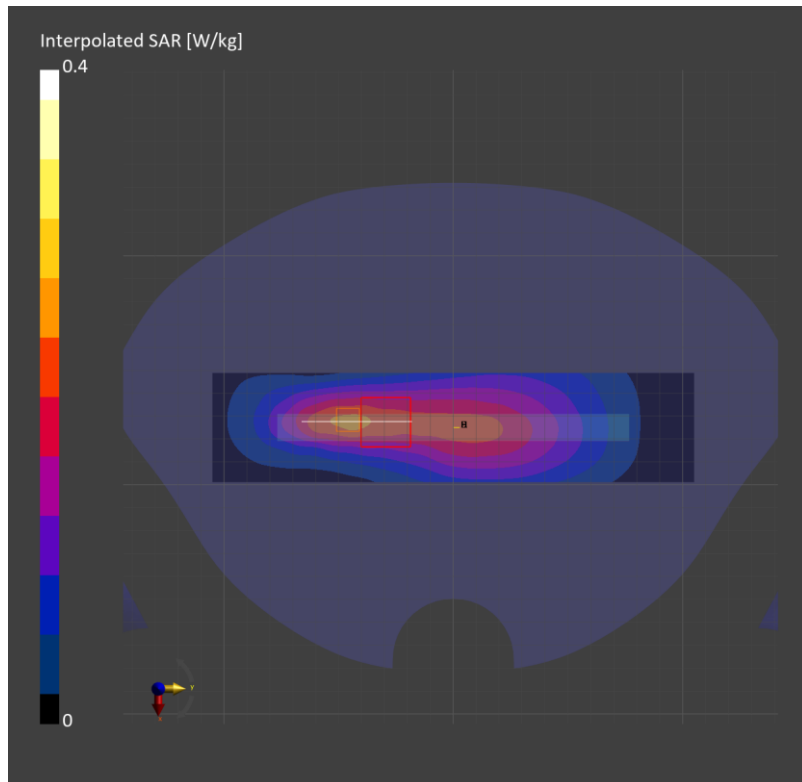
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.209 | 0.216 |
| psSAR10g [W/Kg] | 0.132 | 0.133 |
| Power Drift [dB] | 0.04 | |
| M2/M1 [%] | 84.6 | |
| Dist 3dB Peak [mm] | 10.8 | |



Measurement Report for SM_F956U, CHEEK, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 27710 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 30 | LTE-FDD, 10175-CAH | 2310.0 | 6.91 | 1.67 | 39.7 |

Hardware Setup

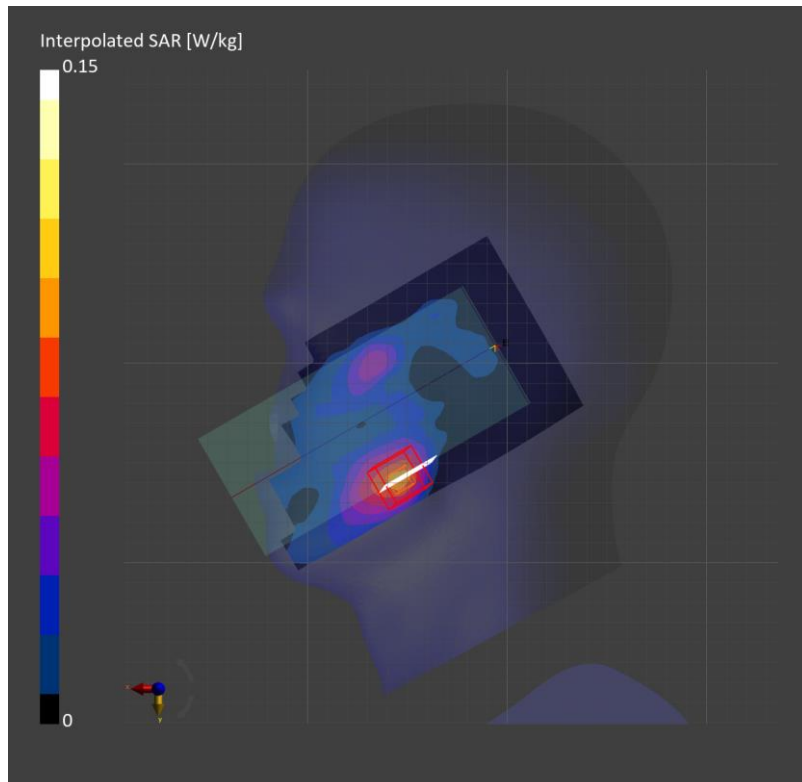
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.075 | 0.081 |
| psSAR10g [W/Kg] | 0.041 | 0.046 |
| Power Drift [dB] | | 0.10 |
| M2/M1 [%] | | 91.6 |
| Dist 3dB Peak [mm] | | 9.5 |



Measurement Report for SM_F956U, EDGE BOTTOM, Band 30, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK), Channel 27710 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE BOTTOM, 10.00 | Band 30 | LTE-FDD, 10154-CAH | 2310.0 | 6.91 | 1.69 | 39.2 |

Hardware Setup

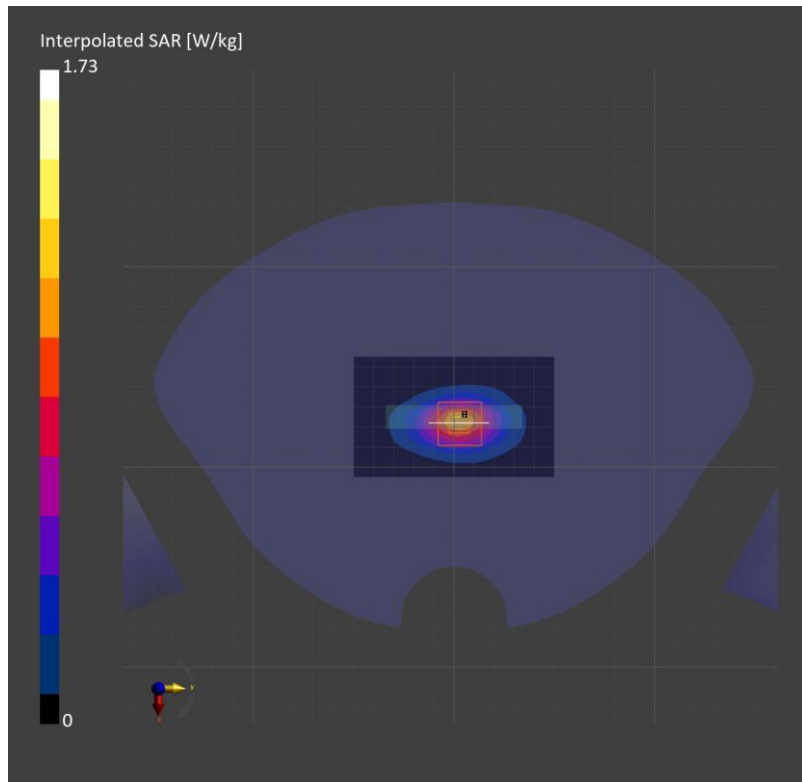
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.910 | 0.968 |
| psSAR10g [W/Kg] | 0.448 | 0.486 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 84.5 | |
| Dist 3dB Peak [mm] | 9.9 | |



Measurement Report for SM_F956U, TILT, Band 30, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK), Channel 27710 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Band 30 | LTE-FDD, 10154-CAH | 2310.0 | 7.36 | 1.64 | 38.9 |

Hardware Setup

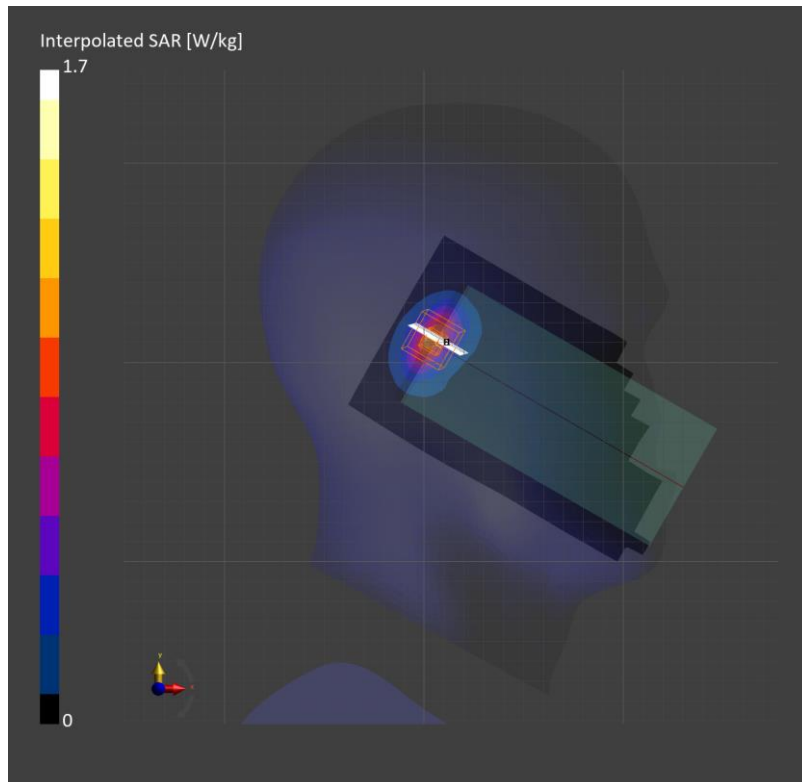
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.809 | 0.844 |
| psSAR10g [W/Kg] | 0.371 | 0.413 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 83.8 | |
| Dist 3dB Peak [mm] | 8.1 | |



Measurement Report for SM_F956U, EDGE TOP, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 27710 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 30 | LTE-FDD, 10175-CAH | 2310.0 | 6.91 | 1.69 | 39.2 |

Hardware Setup

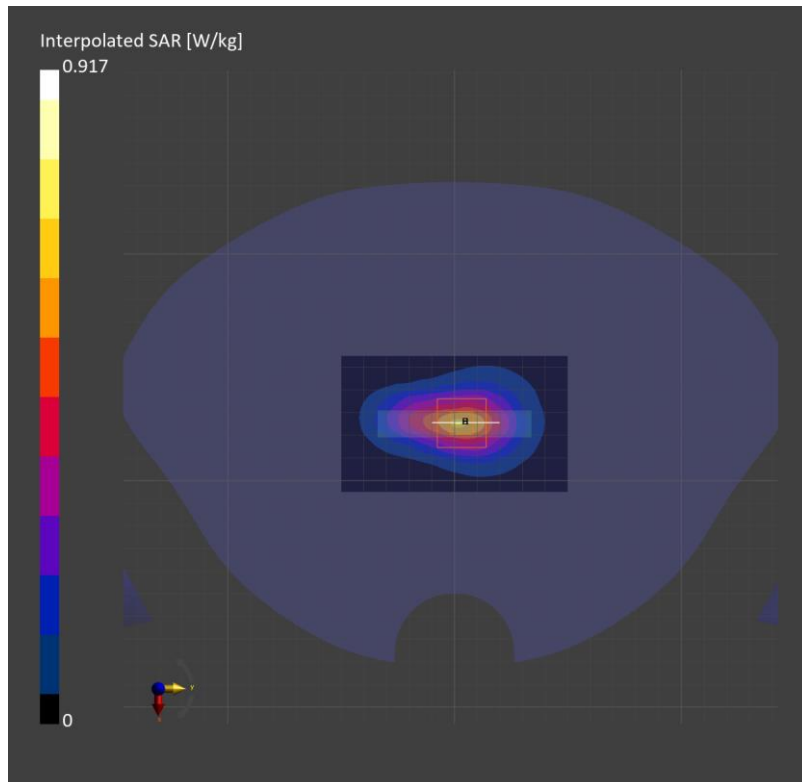
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.494 | 0.517 |
| psSAR10g [W/Kg] | 0.252 | 0.279 |
| Power Drift [dB] | | 0.05 |
| M2/M1 [%] | | 83.0 |
| Dist 3dB Peak [mm] | | 10.8 |



Measurement Report for SM_F956U, CHEEK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9), Channel 41055 (2636.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 41 | LTE-TDD, 10435-AAG | 2636.5 | 7.68 | 1.93 | 39.6 |

Hardware Setup

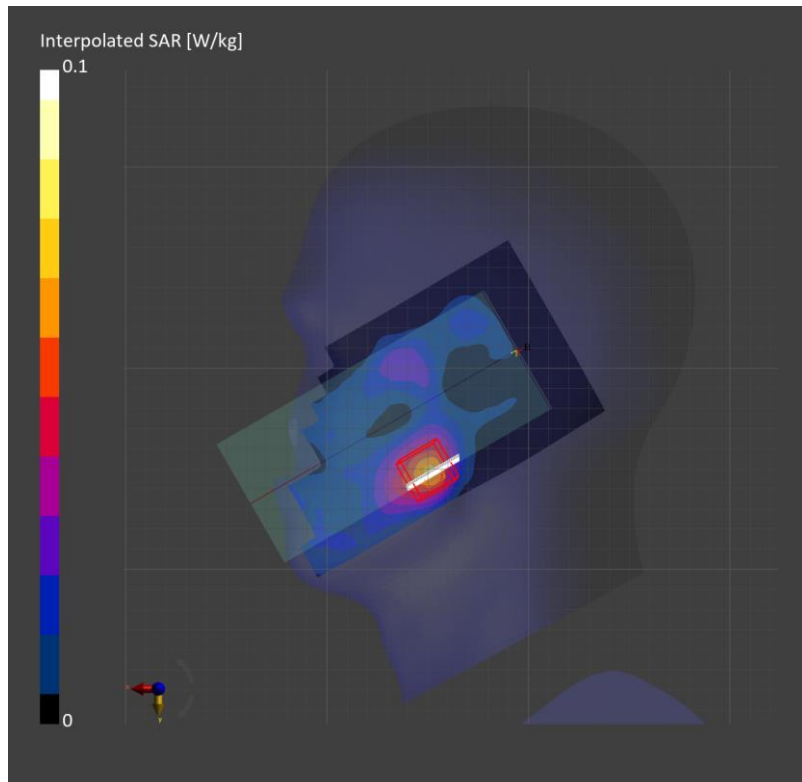
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.053 | 0.056 |
| psSAR10g [W/Kg] | 0.027 | 0.031 |
| Power Drift [dB] | | 0.06 |
| M2/M1 [%] | | 86.1 |
| Dist 3dB Peak [mm] | | 9.3 |



Measurement Report for SM_F956U, EDGE BOTTOM, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9), Channel 41490 (2680.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE BOTTOM, 10.00 | Band 41 | LTE-TDD, 10435-AAG | 2680.0 | 6.73 | 2.03 | 38.7 |

Hardware Setup

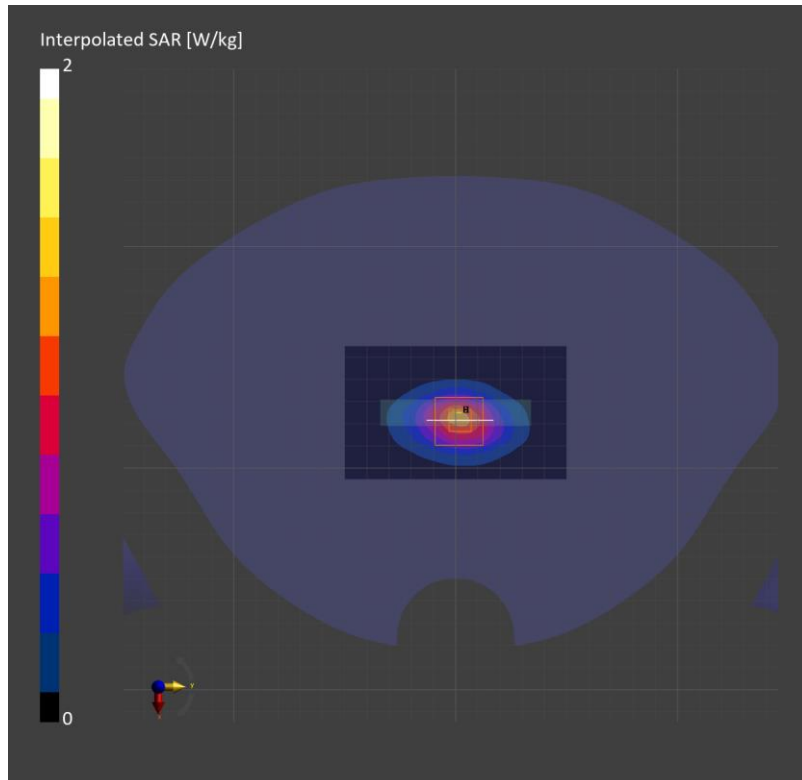
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.982 | 1.02 |
| psSAR10g [W/Kg] | 0.463 | 0.497 |
| Power Drift [dB] | | -0.00 |
| M2/M1 [%] | | 83.0 |
| Dist 3dB Peak [mm] | | 10.1 |



Measurement Report for SM_F956U, EDGE TOP, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 41055 (2636.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 41 | LTE-TDD, 10172-CAH | 2636.5 | 6.73 | 2.00 | 38.8 |

Hardware Setup

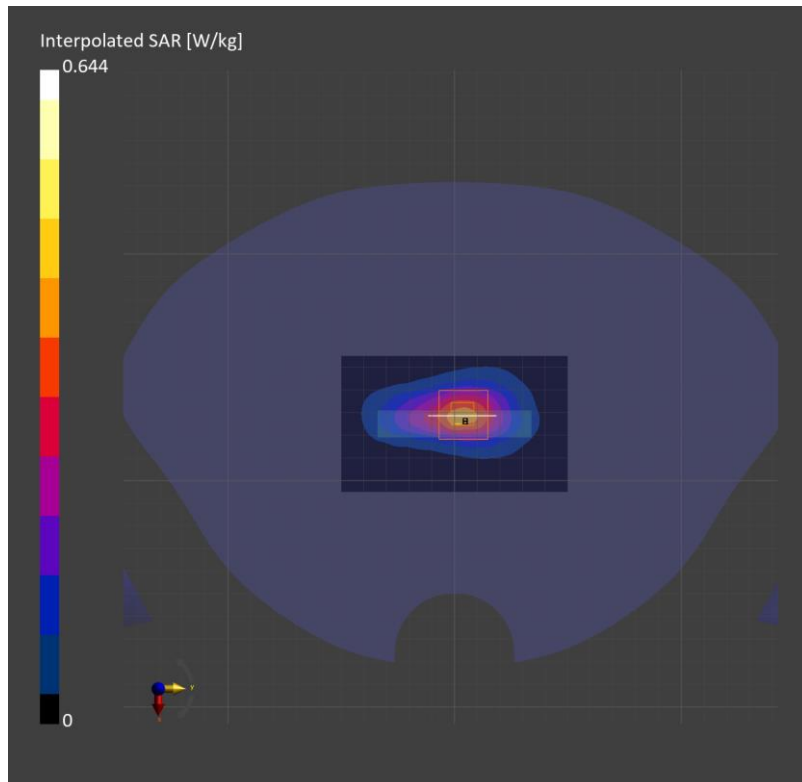
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.324 | 0.338 |
| psSAR10g [W/Kg] | 0.156 | 0.162 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 82.4 |
| Dist 3dB Peak [mm] | | 9.1 |



Measurement Report for SM_F956U, TILT, Band 48, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9), Channel 56207 (3646.7 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | TILT, 0.00 | Band 48 | LTE-TDD, 10494-AAG | 3646.7 | 5.85 | 3.02 | 37.8 |

Hardware Setup

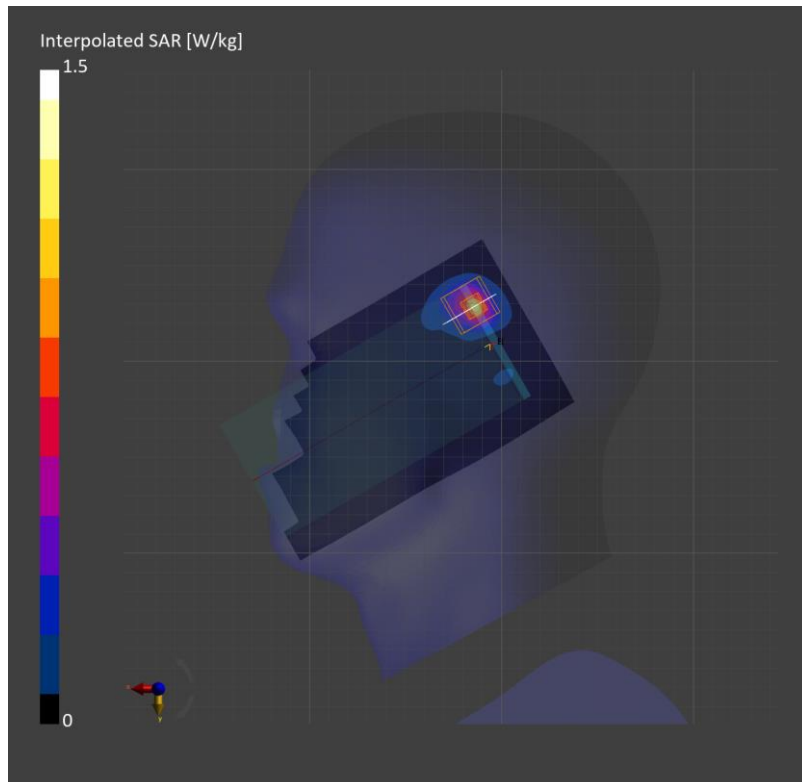
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.690 | 0.759 |
| psSAR10g [W/Kg] | 0.247 | 0.266 |
| Power Drift [dB] | | 0.05 |
| M2/M1 [%] | | 74.8 |
| Dist 3dB Peak [mm] | | 7.1 |



Measurement Report for SM_F956U, EDGE TOP, Band 48, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9), Channel 56640 (3690.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 48 | LTE-TDD, 10435-AAG | 3690.0 | 5.85 | 3.06 | 37.8 |

Hardware Setup

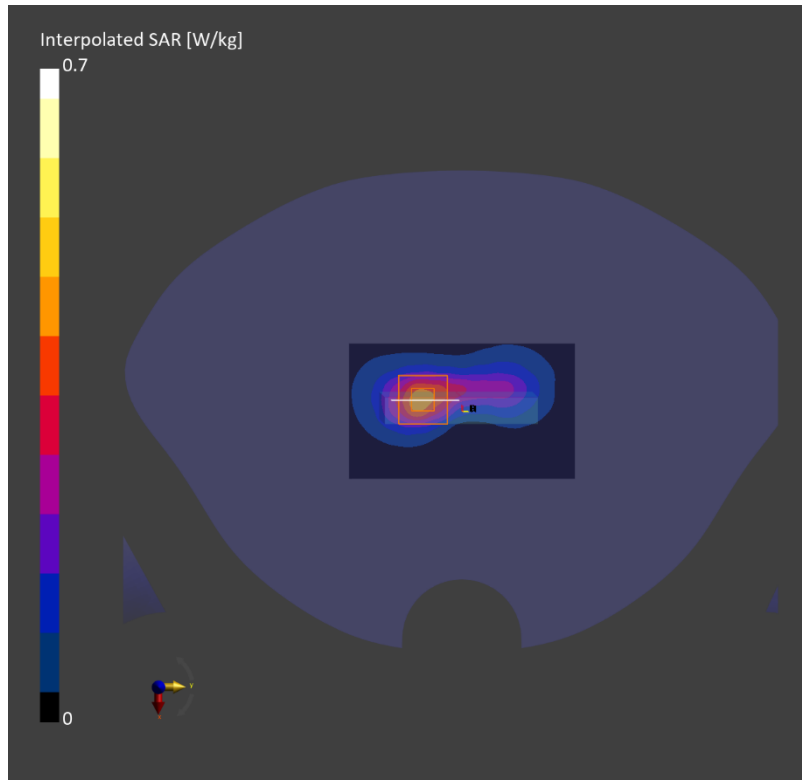
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.340 | 0.366 |
| psSAR10g [W/Kg] | 0.145 | 0.150 |
| Power Drift [dB] | 0.03 | |
| M2/M1 [%] | 76.1 | |
| Dist 3dB Peak [mm] | 9.5 | |



LTE Band 66

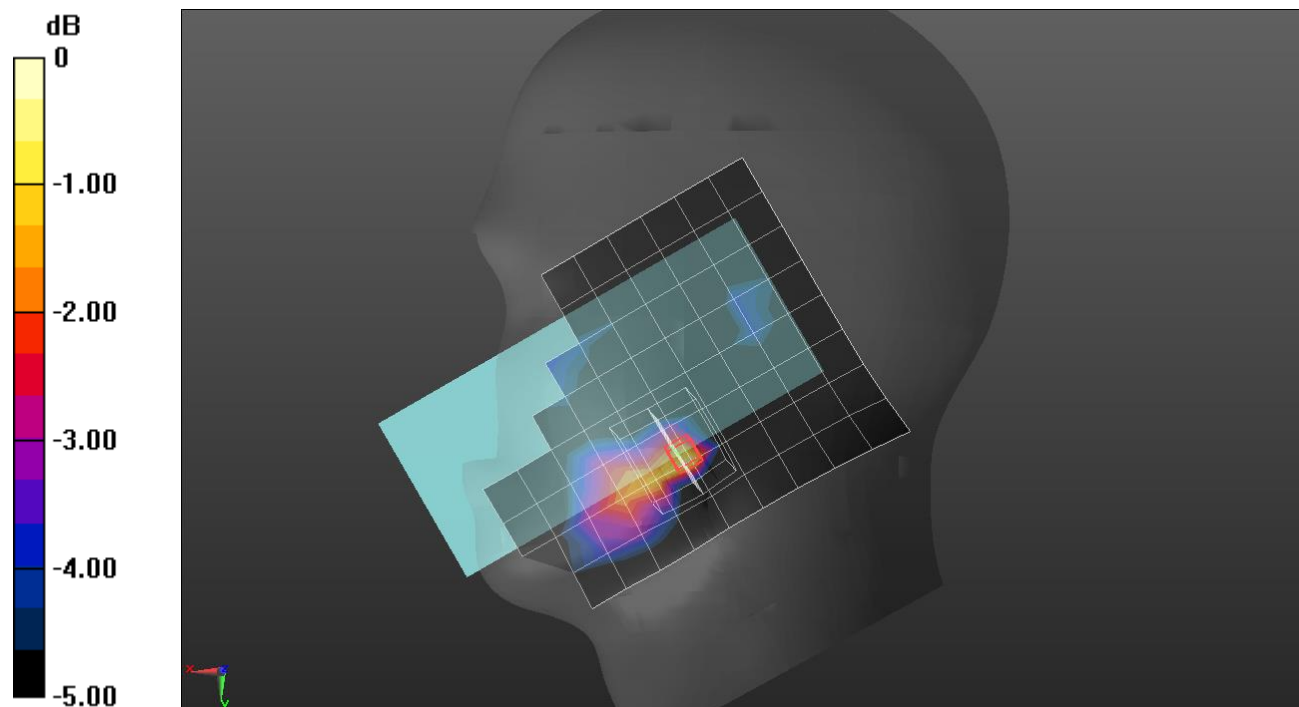
Frequency: 1770 MHz; Communication System Channel Number: 132572; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.338$ S/m; $\epsilon_r = 40.277$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.54, 8.54, 8.54) @ 1770 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/0 ch.132572/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.193 W/kg

RHS/Touch QPSK RB 1/0 ch.132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 10.98 V/m; Power Drift = 0.15 dB
 Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.138 W/kg
 Smallest distance from peaks to all points 3 dB below = 8.4 mm
 Ratio of SAR at M2 to SAR at M1 = 57.9%
 Maximum value of SAR (measured) = 0.203 W/kg



0 dB = 0.203 W/kg = -6.93 dBW/kg

LTE Band 66

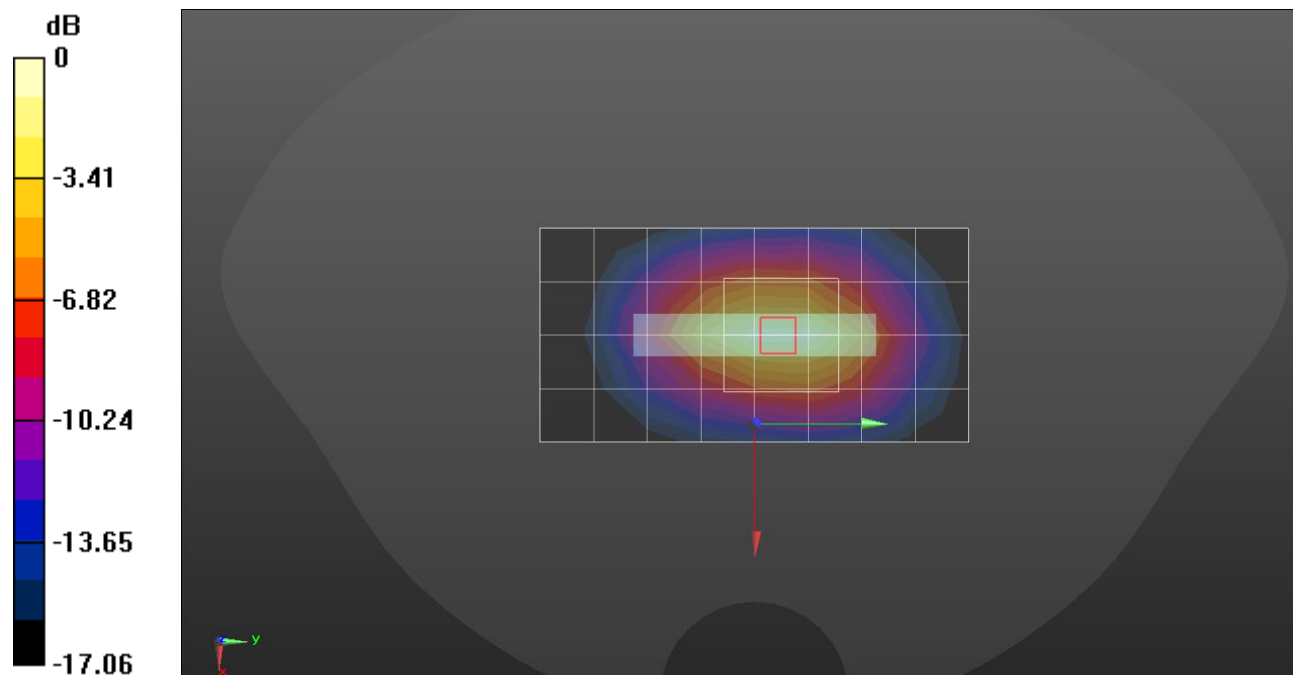
Frequency: 1770 MHz; Communication System Channel Number: 132572; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1770 \text{ MHz}$; $\sigma = 1.338 \text{ S/m}$; $\epsilon_r = 40.277$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.54, 8.54, 8.54) @ 1770 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 100/0 ch.132572/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.23 W/kg

Bottom/QPSK RB 100/0 ch.132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 28.18 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.885 W/kg
 Smallest distance from peaks to all points 3 dB below = 9.7 mm
 Ratio of SAR at M2 to SAR at M1 = 56.9%
 Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

Measurement Report for SM_F956U, TILT, Band 66, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 132572 (1770.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Band 66 | LTE-FDD, 10297-AAE | 1770.0 | 8.54 | 1.32 | 41.0 |

Hardware Setup

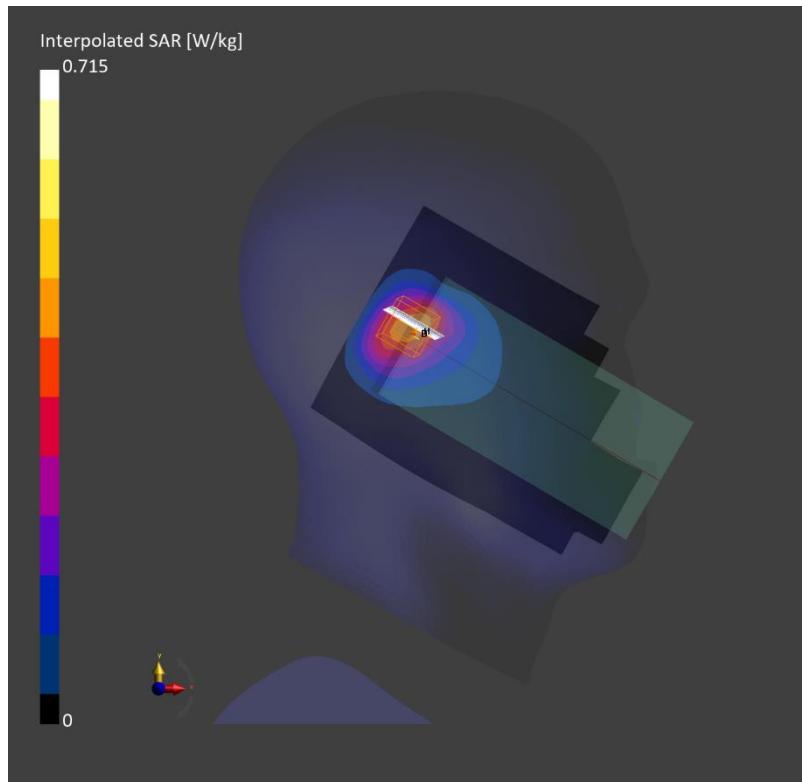
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.380 | 0.458 |
| psSAR10g [W/Kg] | 0.227 | 0.265 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 89.7 | |
| Dist 3dB Peak [mm] | 11.4 | |



Measurement Report for SM_F956U, EDGE TOP, Band 66, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 132572 (1770.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band 66 | LTE-FDD, 10297-AAE | 1770.0 | 8.54 | 1.32 | 41.0 |

Hardware Setup

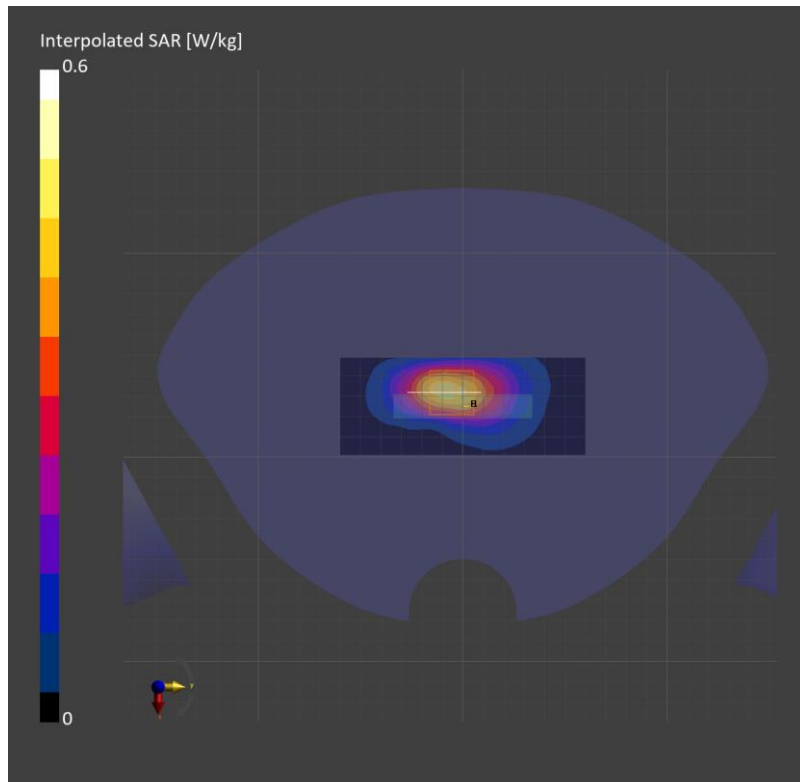
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 120.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.401 | 0.458 |
| psSAR10g [W/Kg] | 0.227 | 0.250 |
| Power Drift [dB] | -0.04 | |
| M2/M1 [%] | 84.1 | |
| Dist 3dB Peak [mm] | 9.2 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 71 | LTE-FDD, 10169-CAF | 680.5 | 7.92 | 0.857 | 42.4 |

Hardware Setup

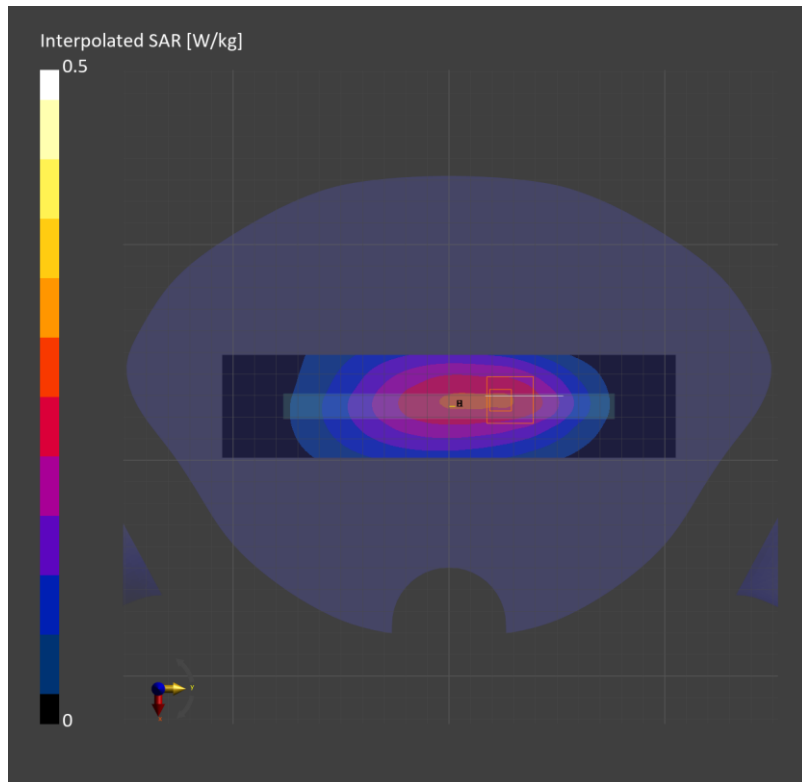
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.226 | 0.231 |
| psSAR10g [W/Kg] | 0.157 | 0.156 |
| Power Drift [dB] | 0.02 | |
| M2/M1 [%] | 84.5 | |
| Dist 3dB Peak [mm] | 16.8 | |



Measurement Report for SM_F956U, CHEEK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band 71 | LTE-FDD, 10169-CAF | 680.5 | 9.64 | 0.888 | 43.1 |

Hardware Setup

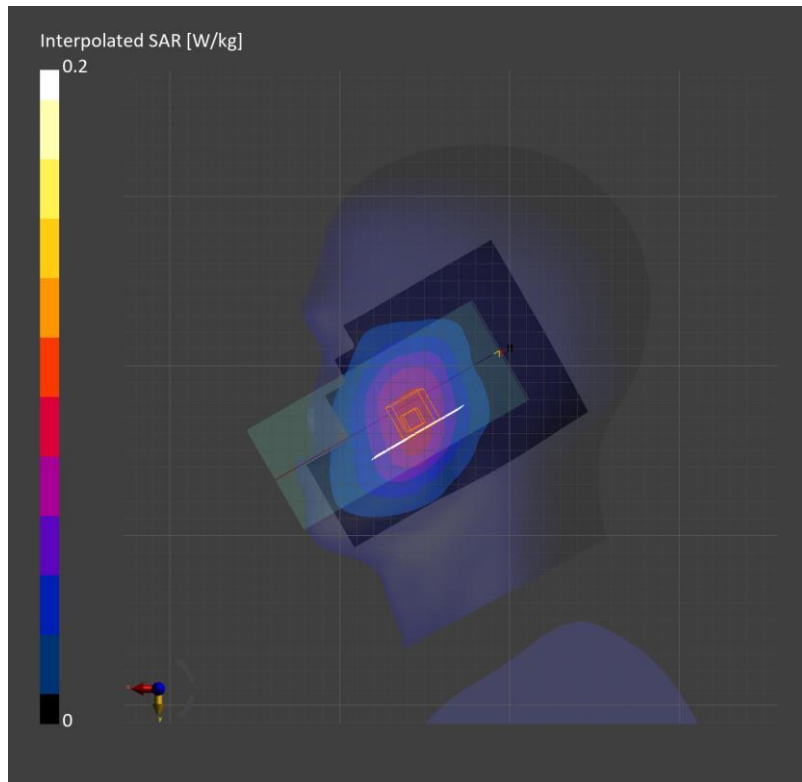
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn614, 2023-03-21 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.081 | 0.085 |
| psSAR10g [W/Kg] | 0.058 | 0.070 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 95.4 | |
| Dist 3dB Peak [mm] | 22.2 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band 71 | LTE-FDD, 10169-CAF | 680.5 | 9.6 | 0.863 | 41.8 |

Hardware Setup

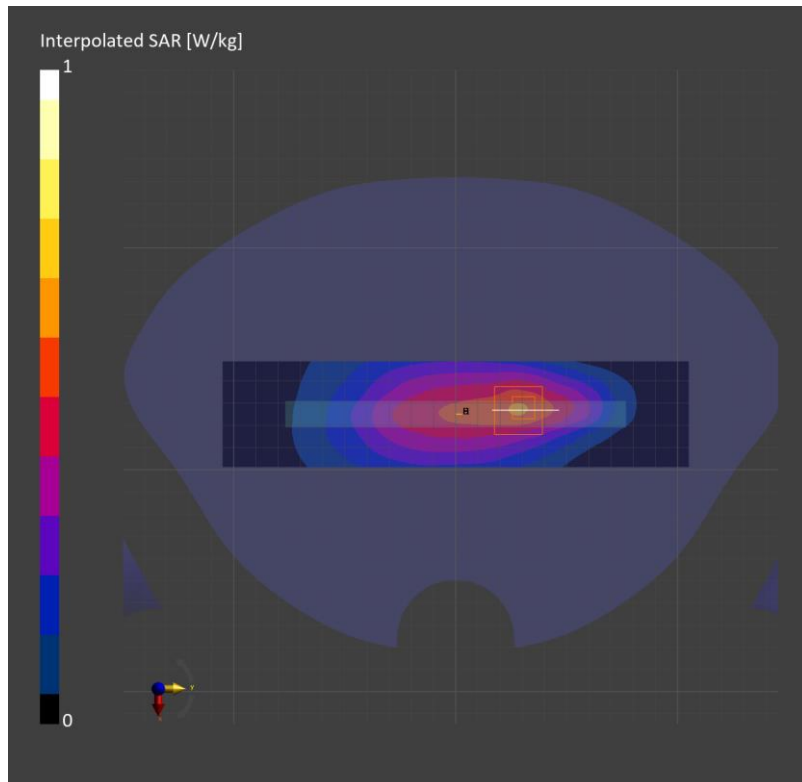
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.515 | 0.519 |
| psSAR10g [W/Kg] | 0.342 | 0.339 |
| Power Drift [dB] | 0.04 | |
| M2/M1 [%] | 83.5 | |
| Dist 3dB Peak [mm] | 13.5 | |



Measurement Report for SM_F956U, CHEEK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band 71 | LTE-FDD, 10169-CAF | 680.5 | 9.6 | 0.866 | 41.7 |

Hardware Setup

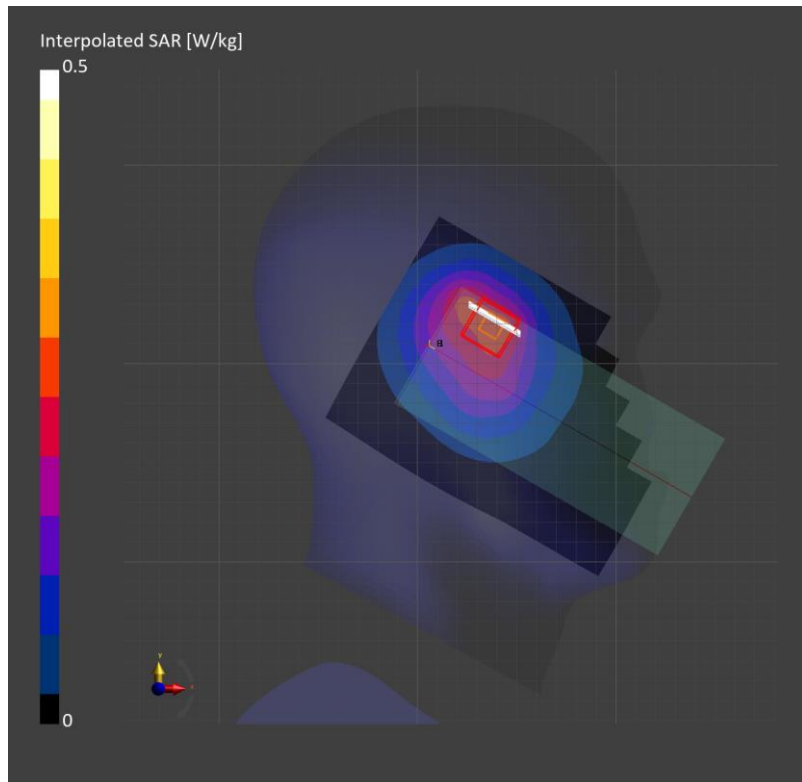
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.243 | 0.248 |
| psSAR10g [W/Kg] | 0.169 | 0.169 |
| Power Drift [dB] | | -0.04 |
| M2/M1 [%] | | 75.4 |
| Dist 3dB Peak [mm] | | 10.9 |



Measurement Report for SM_F956U, BACK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band 71 | LTE-FDD, 10169-CAF | 680.5 | 9.6 | 0.866 | 41.7 |

Hardware Setup

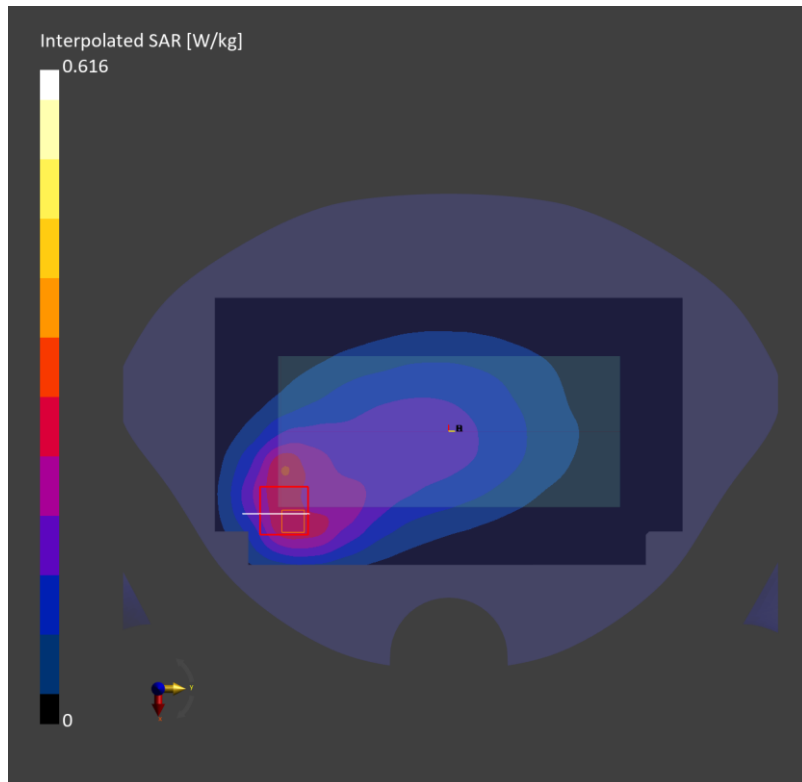
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.265 | 0.290 |
| psSAR10g [W/Kg] | 0.179 | 0.158 |
| Power Drift [dB] | | -0.06 |
| M2/M1 [%] | | 73.3 |
| Dist 3dB Peak [mm] | | 11.9 |



Measurement Report for SM_F956U, BACK, Band n5, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 167300 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band n5 | 5G NR FR1 FDD, 10939-AAC | 836.5 | 8.38 | 0.933 | 41.3 |

Hardware Setup

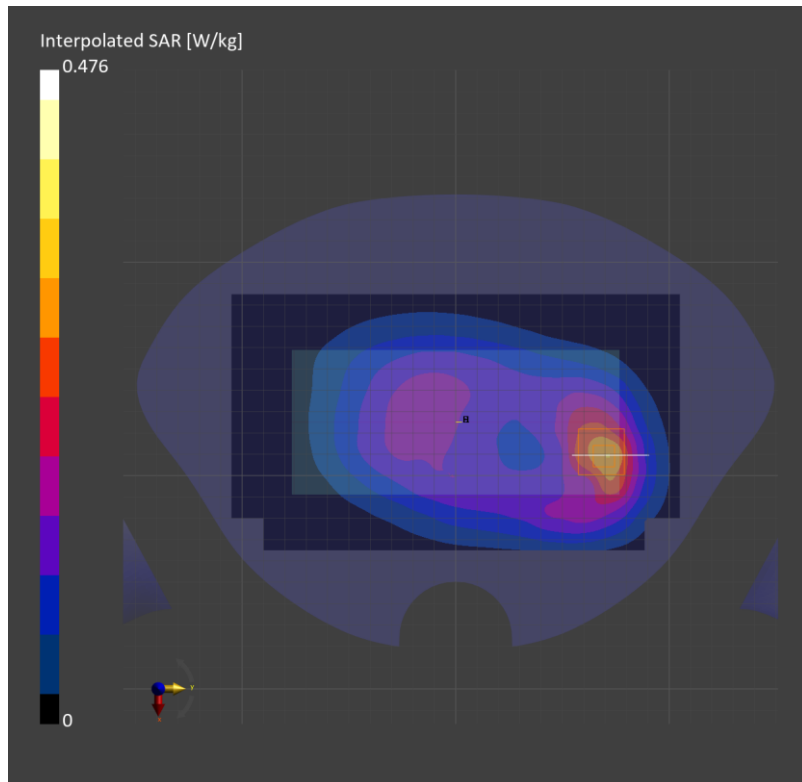
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.274 | 0.281 |
| psSAR10g [W/Kg] | 0.177 | 0.169 |
| Power Drift [dB] | 0.06 | |
| M2/M1 [%] | 83.2 | |
| Dist 3dB Peak [mm] | 12.8 | |



Measurement Report for SM_F956U, CHEEK, Band n5, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz), Channel 167300 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band n5 | 5G NR FR1 FDD, 10931-AAC | 836.5 | 9.31 | 0.902 | 41.9 |

Hardware Setup

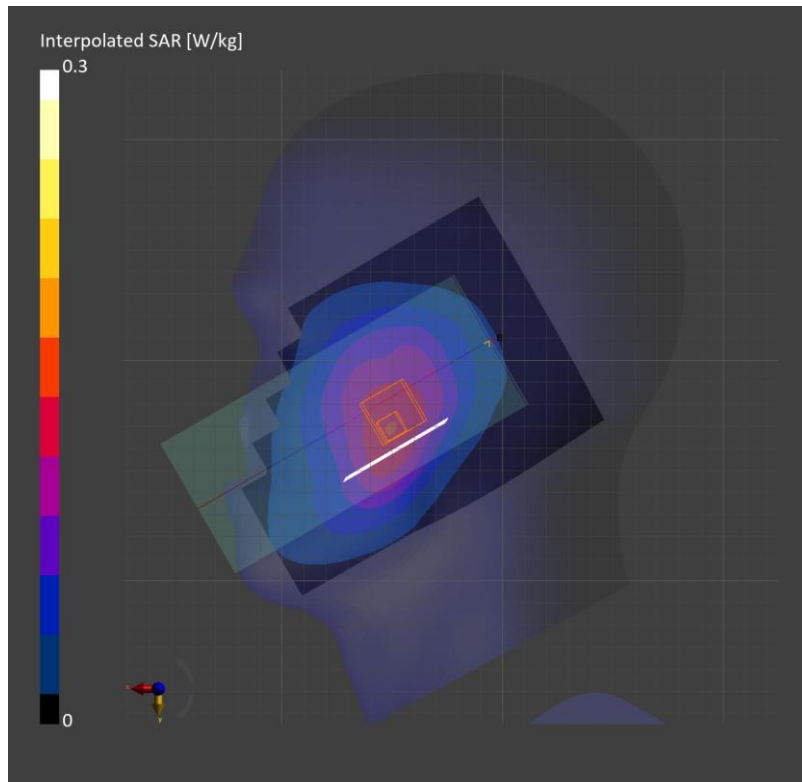
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.132 | 0.137 |
| psSAR10g [W/Kg] | 0.091 | 0.108 |
| Power Drift [dB] | -0.03 | |
| M2/M1 [%] | 91.2 | |
| Dist 3dB Peak [mm] | 21.2 | |



Measurement Report for SM_F956U, BACK, Band n5, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz), Channel 167300 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band n5 | 5G NR FR1 FDD, 10931-AAC | 836.5 | 9.31 | 0.902 | 41.9 |

Hardware Setup

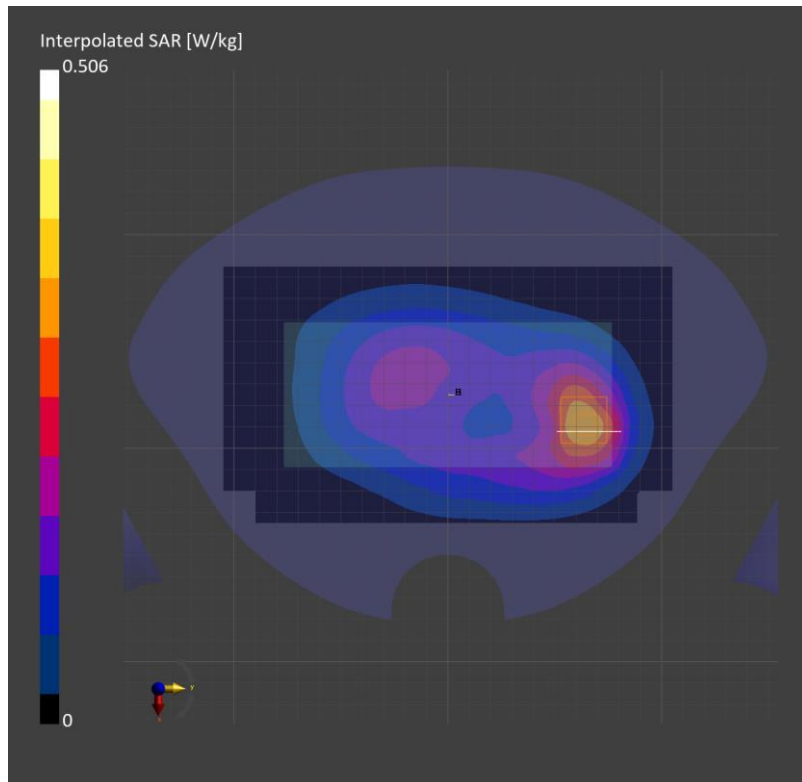
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.291 | 0.302 |
| psSAR10g [W/Kg] | 0.192 | 0.186 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 85.9 |
| Dist 3dB Peak [mm] | | 14.6 |



Measurement Report for SM_F956U, CHEEK, Band n5, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 167300 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band n5 | 5G NR FR1 FDD, 10939-AAC | 836.5 | 8.99 | 0.918 | 40.5 |

Hardware Setup

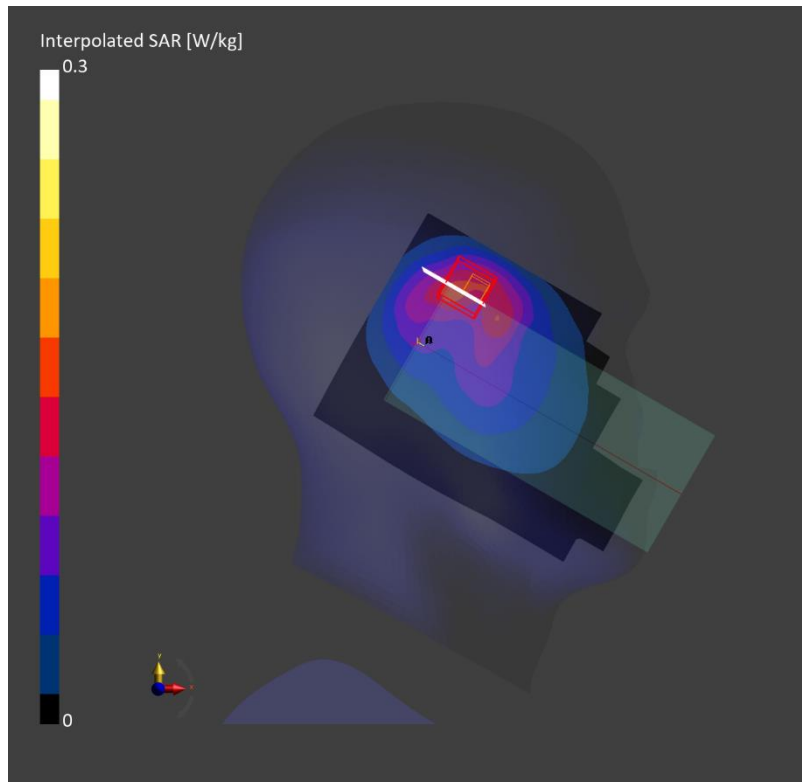
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.137 | 0.145 |
| psSAR10g [W/Kg] | 0.090 | 0.088 |
| Power Drift [dB] | 0.06 | |
| M2/M1 [%] | 81.5 | |
| Dist 3dB Peak [mm] | 9.4 | |



Measurement Report for SM_F956U, BACK, Band n5, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 167300 (836.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band n5 | 5G NR FR1 FDD, 10939-AAC | 836.5 | 8.99 | 0.918 | 40.5 |

Hardware Setup

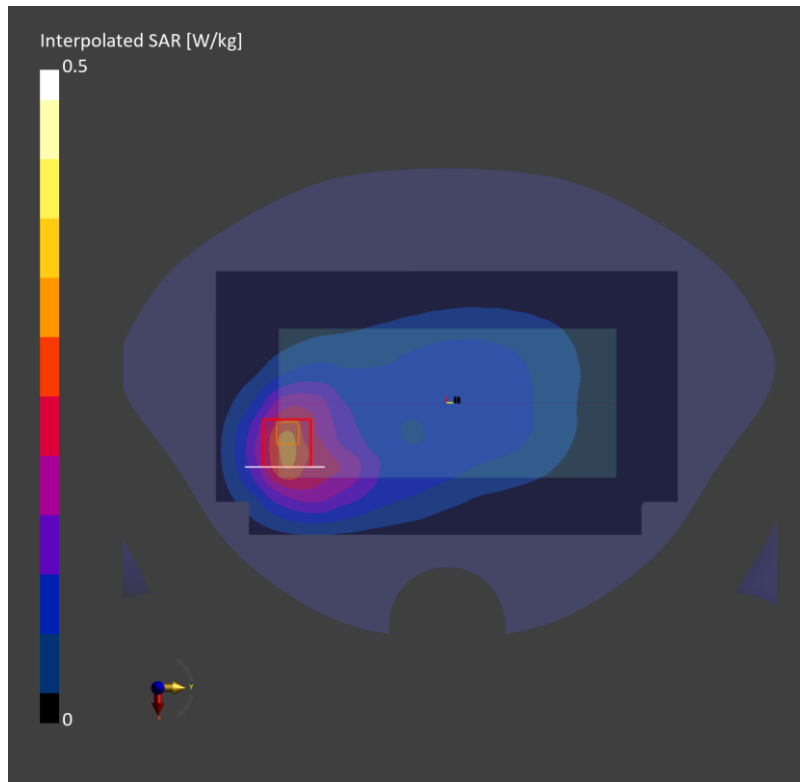
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.264 | 0.241 |
| psSAR10g [W/Kg] | 0.172 | 0.144 |
| Power Drift [dB] | -0.08 | |
| M2/M1 [%] | 80.4 | |
| Dist 3dB Peak [mm] | 12.8 | |



NR Band n7

Frequency: 2535 MHz; Communication System Channel Number: 507000; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 39.607$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2535 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 108/54 ch.507000/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.137 W/kg

RHS/Touch QPSK RB 108/54 ch.507000/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.781 V/m; Power Drift = 0.17 dB

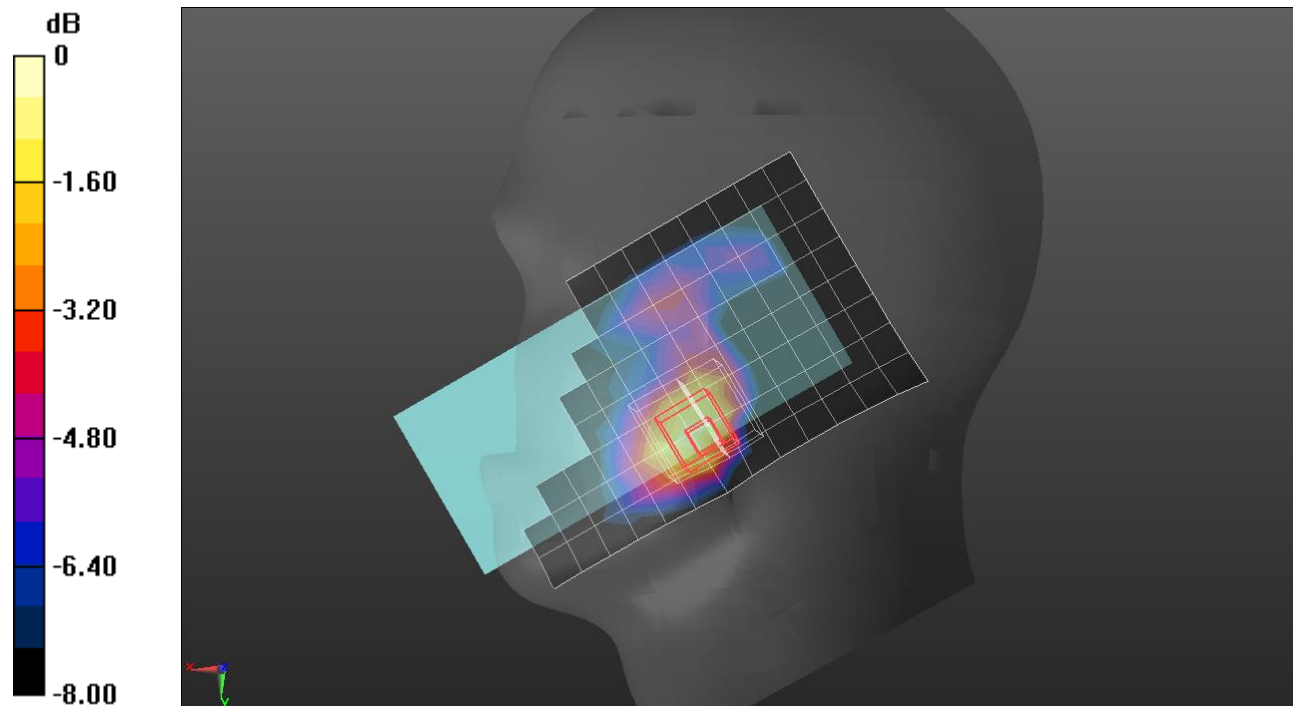
Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.057 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 53.8%

Maximum value of SAR (measured) = 0.153 W/kg



0 dB = 0.153 W/kg = -8.15 dBW/kg

Measurement Report for SM_F956U, EDGE BOTTOM, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE BOTTOM, 10.00 | Band n7 | 5G NR FR1 FDD, 10942-AAC | 2535.0 | 7.68 | 1.87 | 37.9 |

Hardware Setup

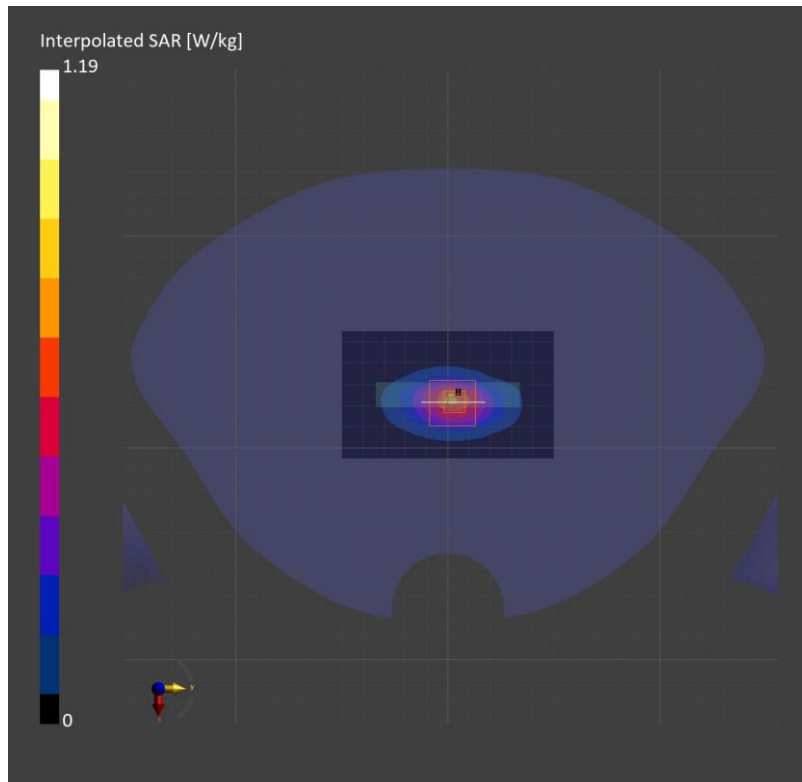
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.553 | 0.589 |
| psSAR10g [W/Kg] | 0.258 | 0.271 |
| Power Drift [dB] | 0.00 | |
| M2/M1 [%] | 80.9 | |
| Dist 3dB Peak [mm] | 9.0 | |



NR Band n7

Frequency: 2535 MHz; Communication System Channel Number: 507000; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.899$ S/m; $\epsilon_r = 39.385$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2535 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 1/214 ch.507000/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.838 W/kg

RHS/Tilt QPSK RB 1/214 ch.507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.19 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.15 W/kg

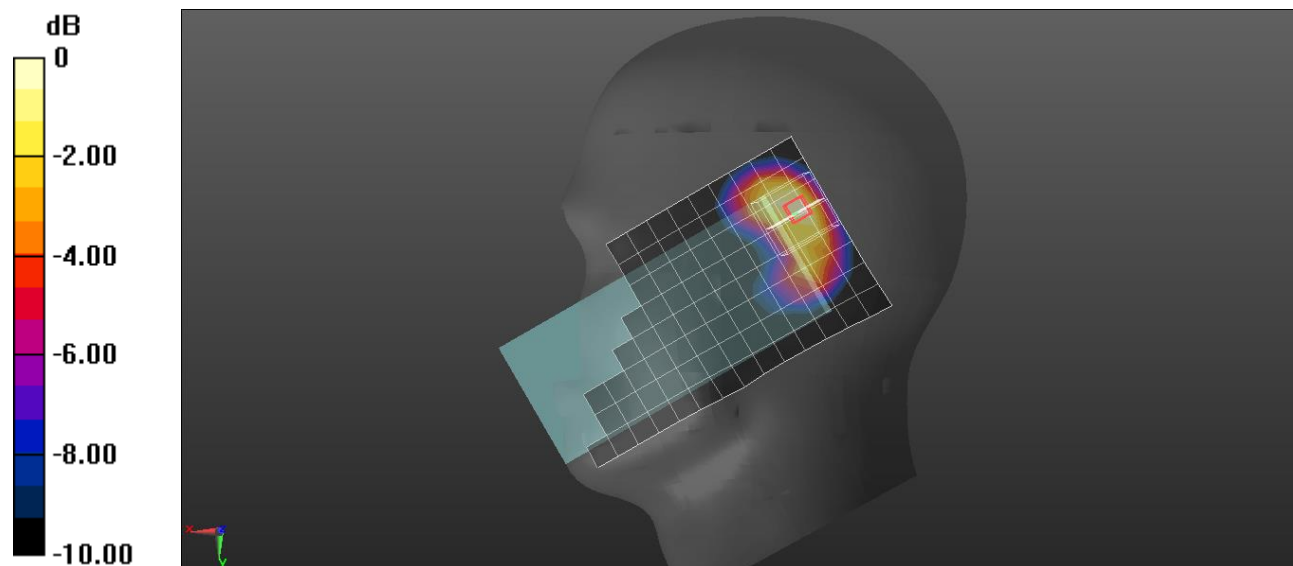
SAR(1 g) = 0.555 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.9%

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.838 W/kg = -0.77 dBW/kg

Measurement Report for SM_F956U, EDGE TOP, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|---------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band n7 | 5G NR FR1 FDD, 10942-AAC | 2535.0 | 6.73 | 1.86 | 40.2 |

Hardware Setup

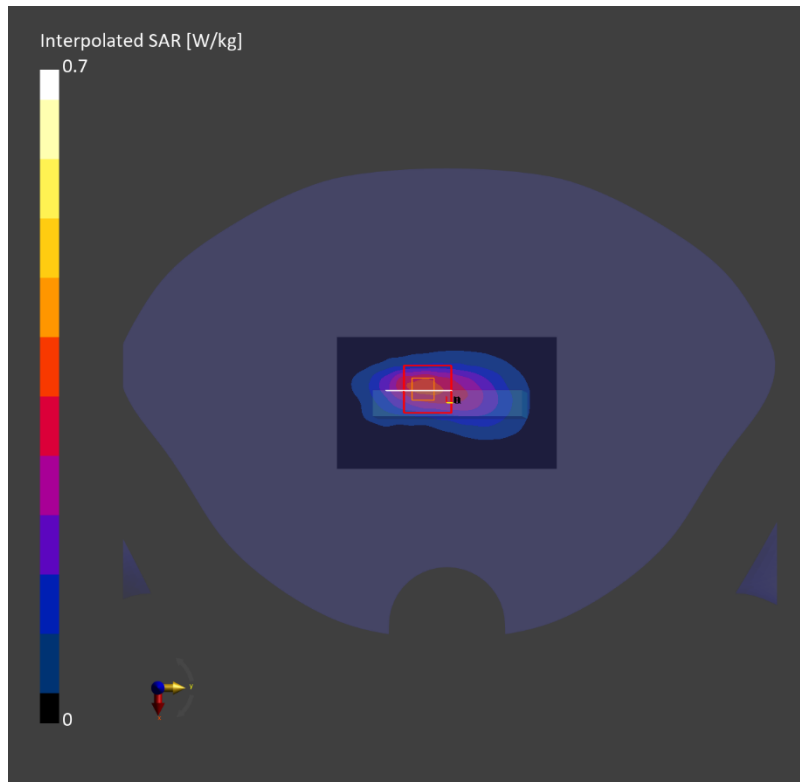
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.301 | 0.306 |
| psSAR10g [W/Kg] | 0.146 | 0.144 |
| Power Drift [dB] | | -0.11 |
| M2/M1 [%] | | 79.7 |
| Dist 3dB Peak [mm] | | 8.0 |



Measurement Report for SM_F956U, EDGE RIGHT, Band n12, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz), Channel 141500 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n12 | 5G NR FR1 FDD, 10938-AAC | 707.5 | 7.92 | 0.888 | 43.0 |

Hardware Setup

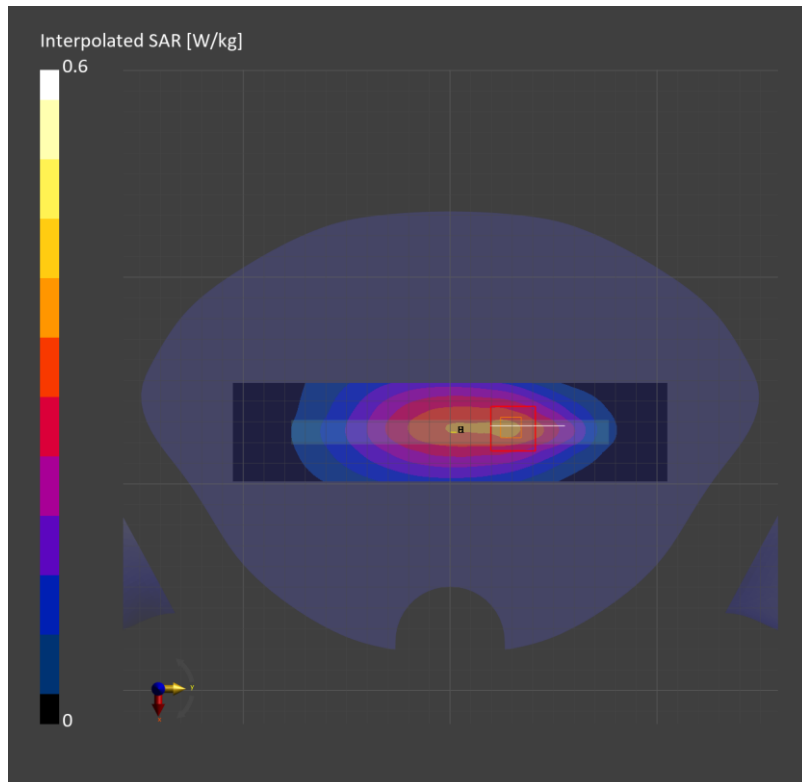
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.319 | 0.327 |
| psSAR10g [W/Kg] | 0.216 | 0.215 |
| Power Drift [dB] | -0.02 | |
| M2/M1 [%] | 84.2 | |
| Dist 3dB Peak [mm] | 14.1 | |



Measurement Report for SM_F956U, CHEEK, Band n12, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz), Channel 141500 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band n12 | 5G NR FR1 FDD, 10930-AAC | 707.5 | 9.6 | 0.860 | 42.2 |

Hardware Setup

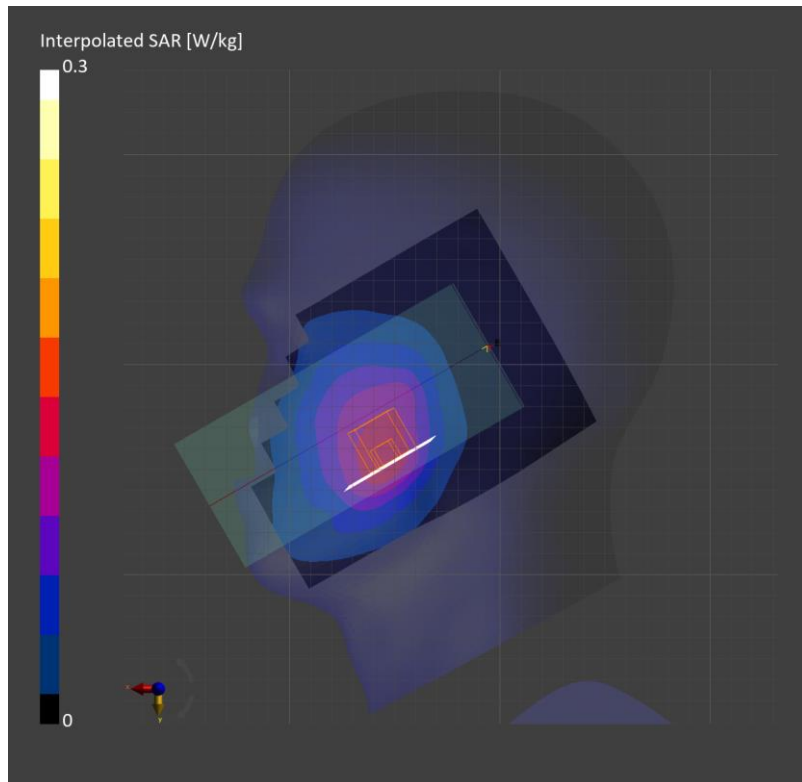
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.129 | 0.132 |
| psSAR10g [W/Kg] | 0.089 | 0.101 |
| Power Drift [dB] | 0.07 | |
| M2/M1 [%] | 92.9 | |
| Dist 3dB Peak [mm] | 14.4 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band n12, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz), Channel 141 500 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n12 | 5G NR FR1 FDD, 10930-AAC | 707.5 | 9.6 | 0.860 | 42.2 |

Hardware Setup

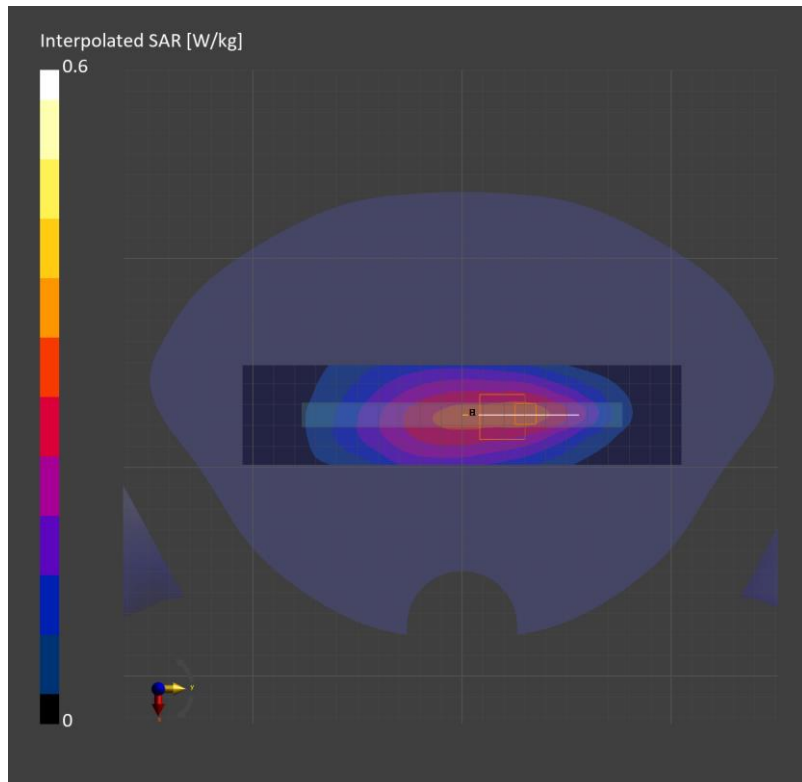
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.292 | 0.292 |
| psSAR10g [W/Kg] | 0.196 | 0.201 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 85.3 |
| Dist 3dB Peak [mm] | | 14.1 |



Measurement Report for SM_F956U, CHEEK, Band n12, 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz), Channel 141500 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band n12 | 5G NR FR1 FDD, 10930-AAC | 707.5 | 9.64 | 0.873 | 40.9 |

Hardware Setup

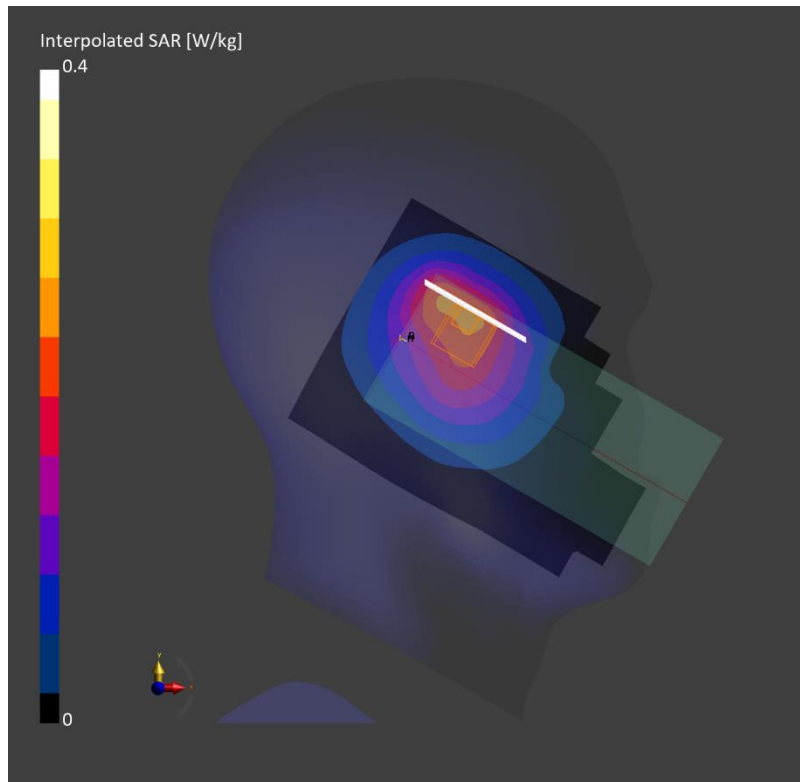
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.212 | 0.219 |
| psSAR10g [W/Kg] | 0.148 | 0.159 |
| Power Drift [dB] | 0.00 | |
| M2/M1 [%] | 80.4 | |
| Dist 3dB Peak [mm] | 9.6 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band n12, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz), Channel 141500 (707.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n12 | 5G NR FR1 FDD, 10938-AAC | 707.5 | 9.64 | 0.873 | 40.9 |

Hardware Setup

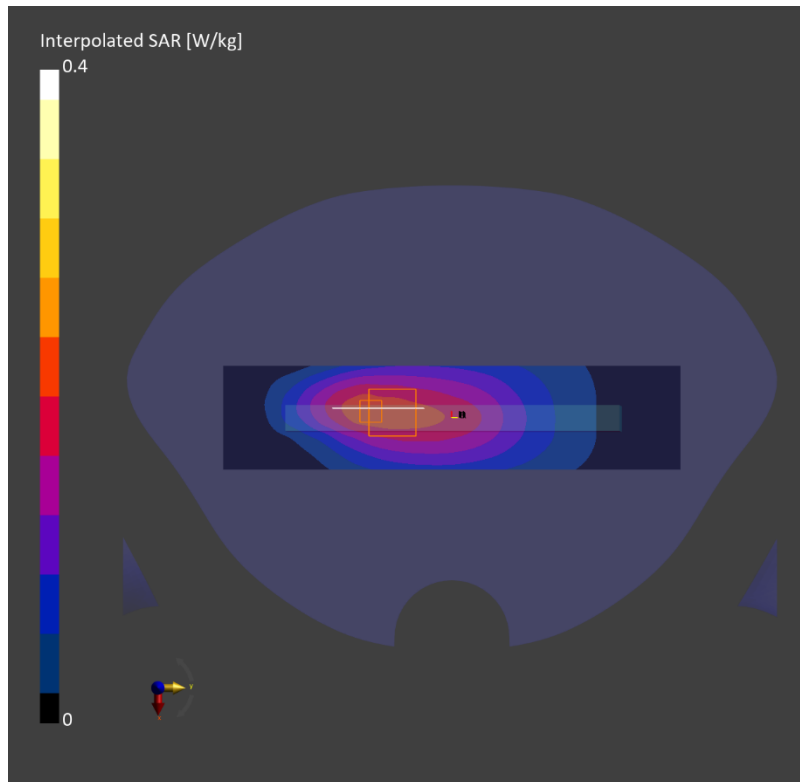
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.197 | 0.205 |
| psSAR10g [W/Kg] | 0.134 | 0.139 |
| Power Drift [dB] | 0.00 | |
| M2/M1 [%] | 88.2 | |
| Dist 3dB Peak [mm] | 14.4 | |



NR Band n25

Frequency: 1882.5 MHz; Communication System Channel Number: 376500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 39.834$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1667; Calibrated: 4/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.35, 8.13, 8.46) @ 1882.5 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/1 ch.376500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.138 W/kg

RHS/Touch QPSK RB 1/1 ch.376500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.799 V/m; Power Drift = 0.19 dB

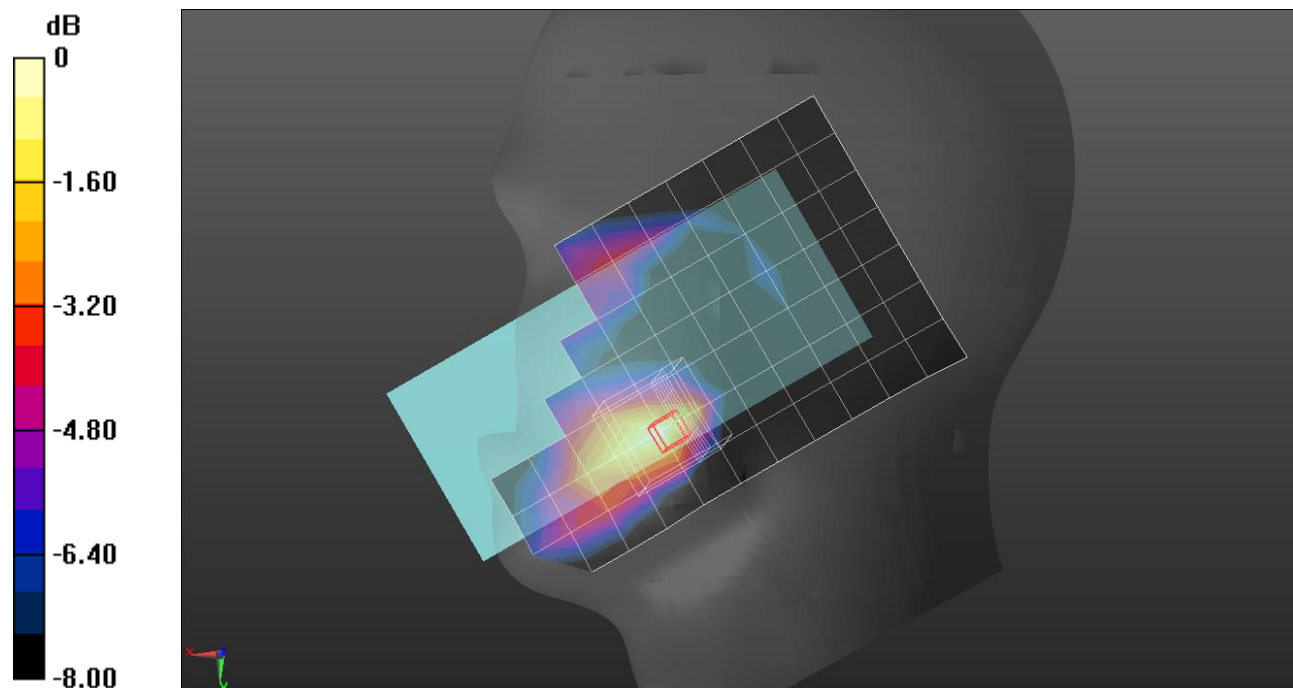
Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.098 W/kg

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 dBW/kg

NR Band n25

Frequency: 1882.5 MHz; Communication System Channel Number: 376500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.12$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1882.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 1/1 ch.376500/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.35 W/kg

Bottom/QPSK RB 1/1 ch.376500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.66 V/m; Power Drift = -0.02 dB

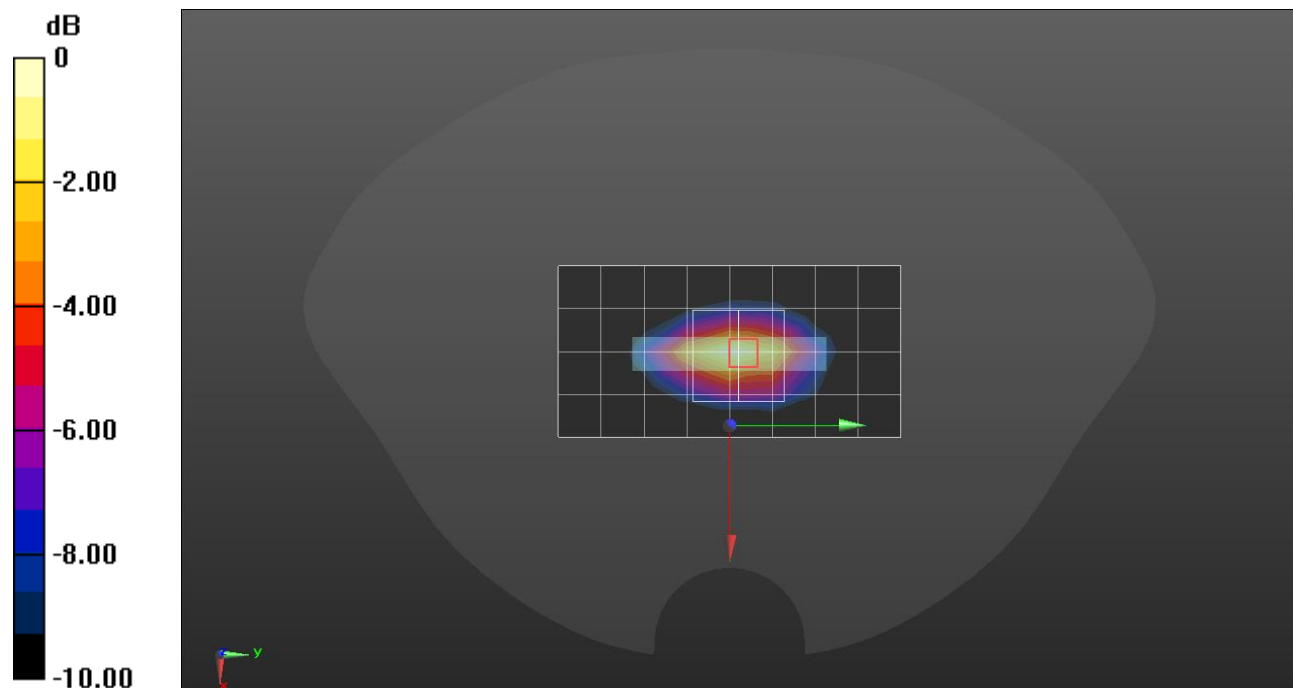
Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.894 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

NR Band n25

Frequency: 1882.5 MHz; Communication System Channel Number: 376500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.242$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1882.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 108/0 ch.376500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.795 W/kg

RHS/Tilt QPSK RB 108/0 ch.376500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.96 V/m; Power Drift = -0.09 dB

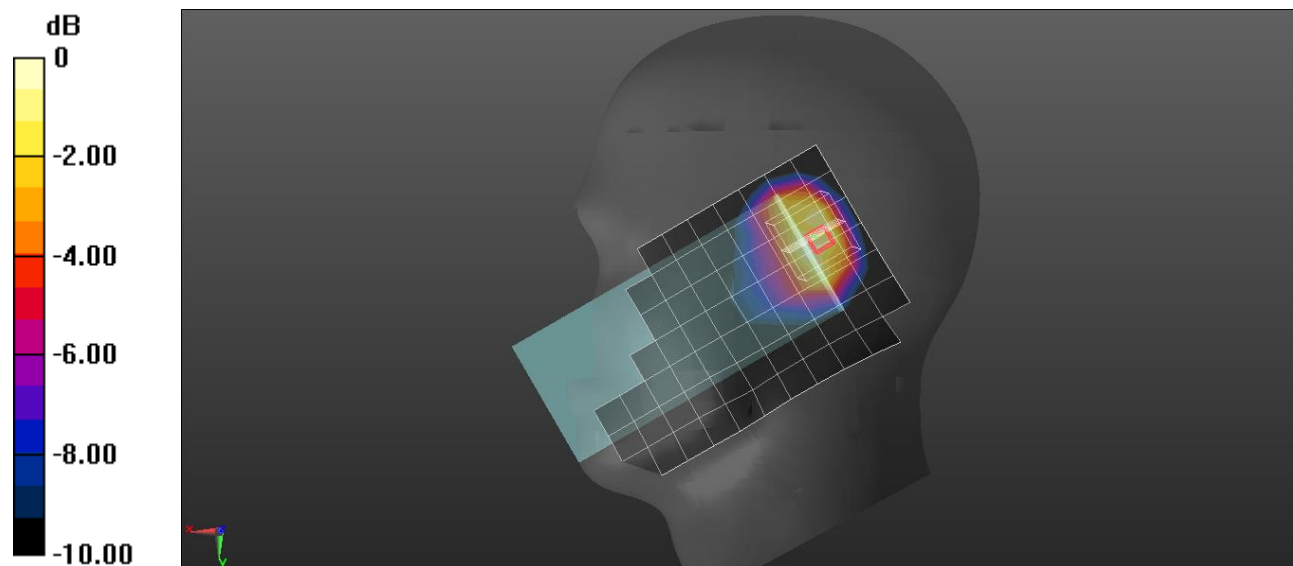
Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.713 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 0.795 W/kg = -1.00 dBW/kg

NR Band n25

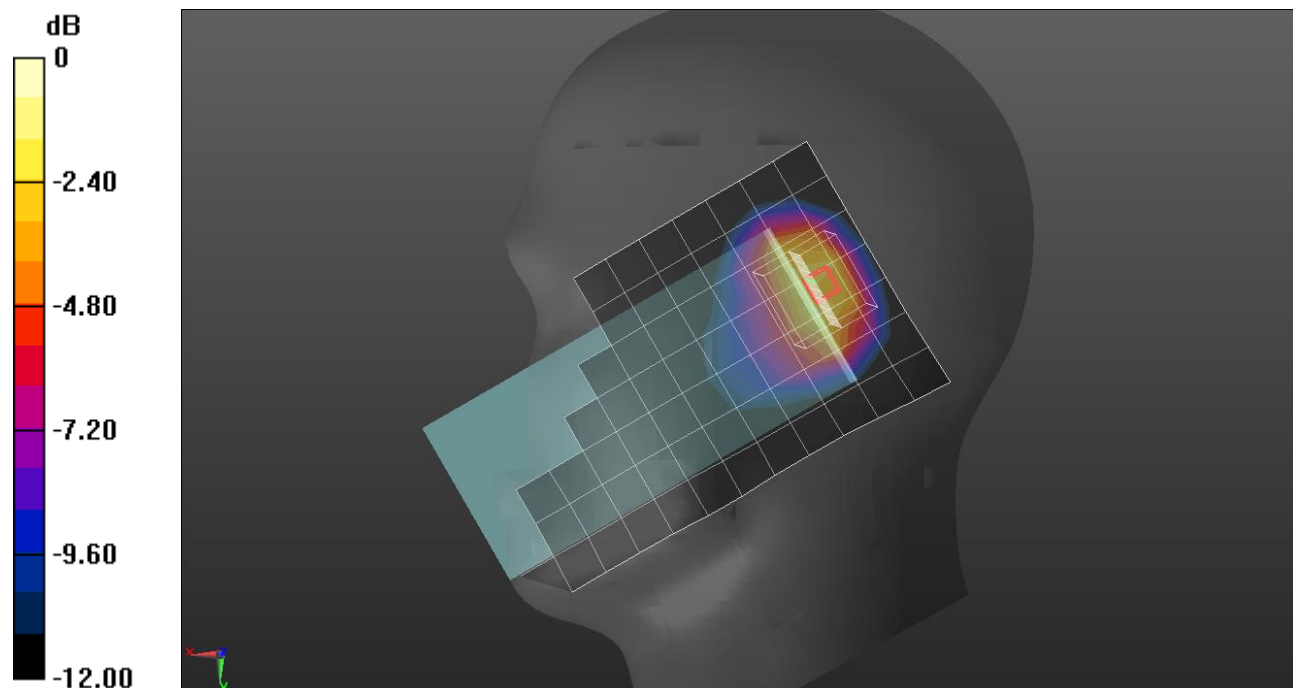
Frequency: 1882.5 MHz; Communication System Channel Number: 376500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.242$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.17, 8.17, 8.17) @ 1882.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 1/1 ch.376500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.779 W/kg

RHS/Tilt QPSK RB 1/1 ch.376500/Zoom Scan (9x9x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=3mm
 Reference Value = 25.50 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.701 W/kg
 Smallest distance from peaks to all points 3 dB below = 8.6 mm
 Ratio of SAR at M2 to SAR at M1 = 68.1%
 Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Measurement Report for SM_F956U, EDGE RIGHT, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n26 | 5G NR FR1 FDD, 10939-AAC | 831.5 | 8.38 | 0.934 | 42.5 |

Hardware Setup

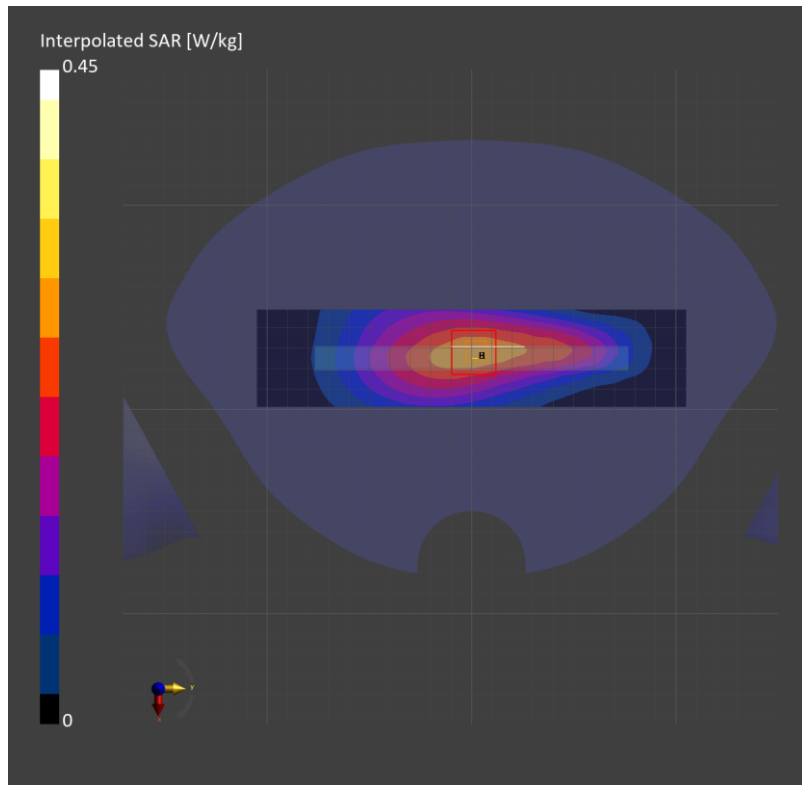
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.257 | 0.270 |
| psSAR10g [W/Kg] | 0.173 | 0.186 |
| Power Drift [dB] | | -0.08 |
| M2/M1 [%] | | 87.1 |
| Dist 3dB Peak [mm] | | 16.4 |



Measurement Report for SM_F956U, CHEEK, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band n26 | 5G NR FR1 FDD, 10939-AAC | 831.5 | 9.31 | 0.920 | 42.1 |

Hardware Setup

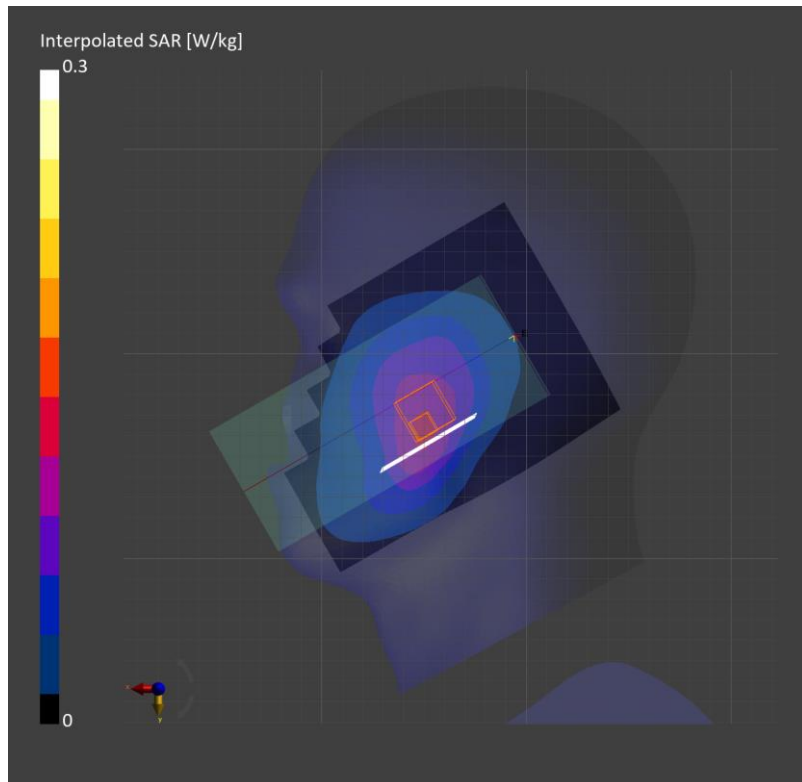
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.113 | 0.117 |
| psSAR10g [W/Kg] | 0.077 | 0.091 |
| Power Drift [dB] | | -0.01 |
| M2/M1 [%] | | 93.5 |
| Dist 3dB Peak [mm] | | 16.1 |



Measurement Report for SM_F956U, BACK, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band n26 | 5G NR FR1 FDD, 10939-AAC | 831.5 | 9.31 | 0.920 | 42.1 |

Hardware Setup

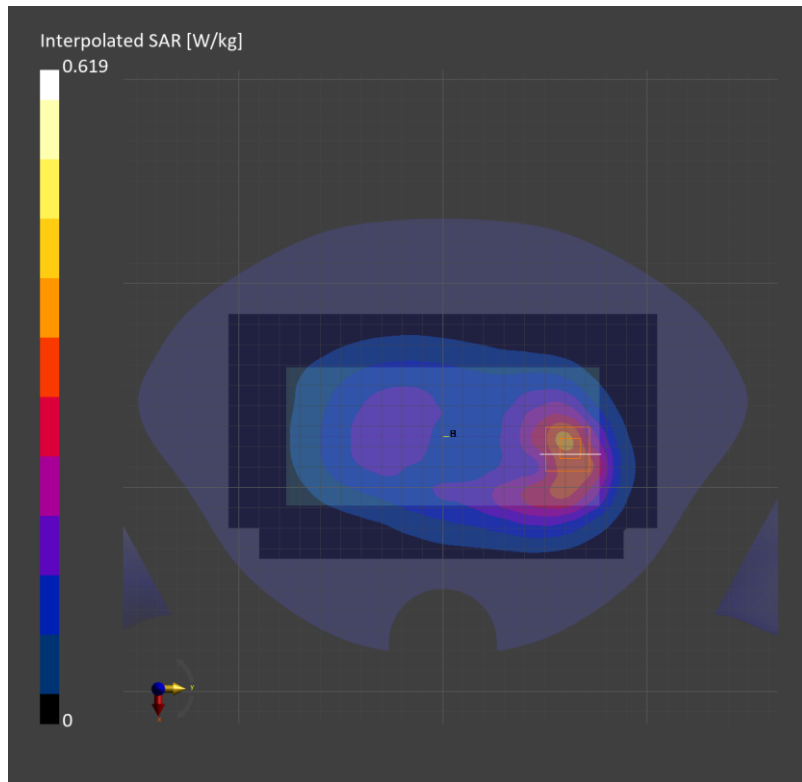
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.322 | 0.347 |
| psSAR10g [W/Kg] | 0.210 | 0.205 |
| Power Drift [dB] | | -0.00 |
| M2/M1 [%] | | 82.3 |
| Dist 3dB Peak [mm] | | 13.5 |



Measurement Report for SM_F956U, CHEEK, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band n26 | 5G NR FR1 FDD, 10939-AAC | 831.5 | 9.61 | 0.920 | 40.4 |

Hardware Setup

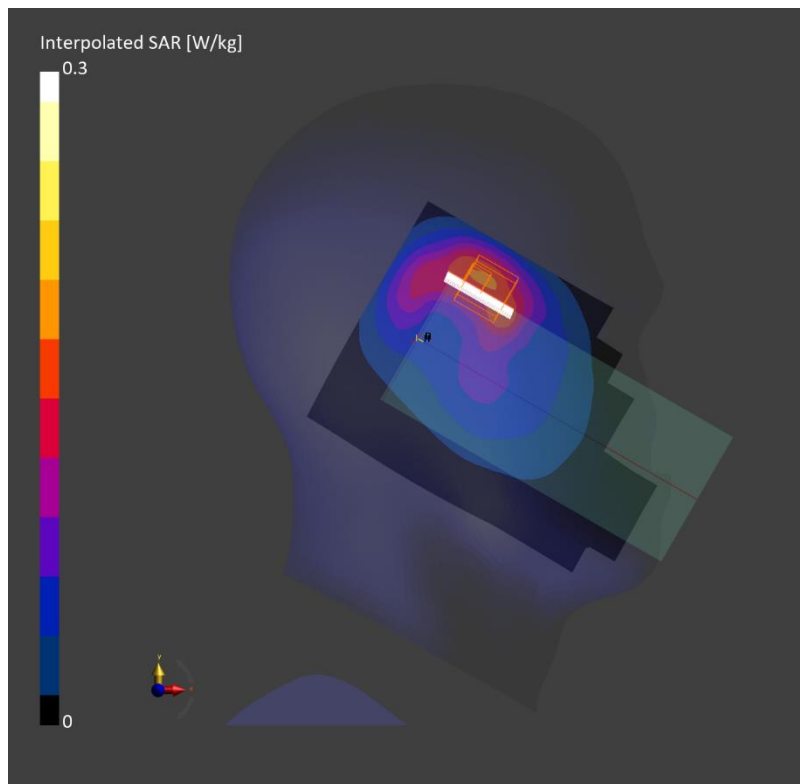
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 36.0 x 36.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.154 | 0.171 |
| psSAR10g [W/Kg] | 0.103 | 0.108 |
| Power Drift [dB] | -0.05 | |
| M2/M1 [%] | 80.9 | |
| Dist 3dB Peak [mm] | 8.5 | |



Measurement Report for SM_F956U, BACK, Band n26, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Band n26 | 5G NR FR1 FDD, 10931-AAC | 831.5 | 9.61 | 0.920 | 40.4 |

Hardware Setup

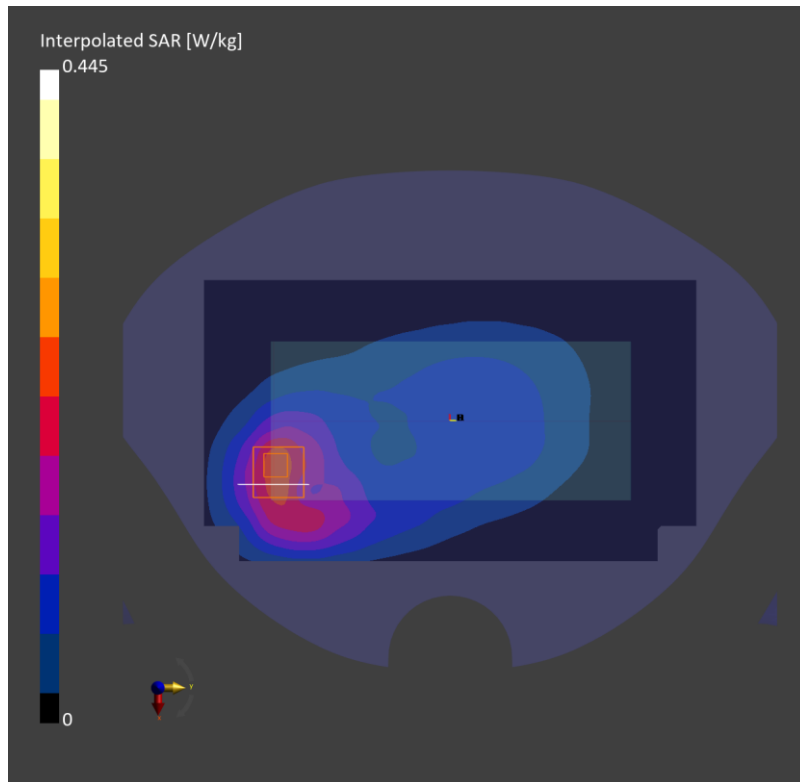
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.213 | 0.204 |
| psSAR10g [W/Kg] | 0.138 | 0.122 |
| Power Drift [dB] | | -0.04 |
| M2/M1 [%] | | 84.1 |
| Dist 3dB Peak [mm] | | 13.0 |



Measurement Report for SM_F956U, CHEEK, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band n30 | 5G NR FR1 FDD, 10937-AAD | 2310.0 | 6.91 | 1.72 | 39.2 |

Hardware Setup

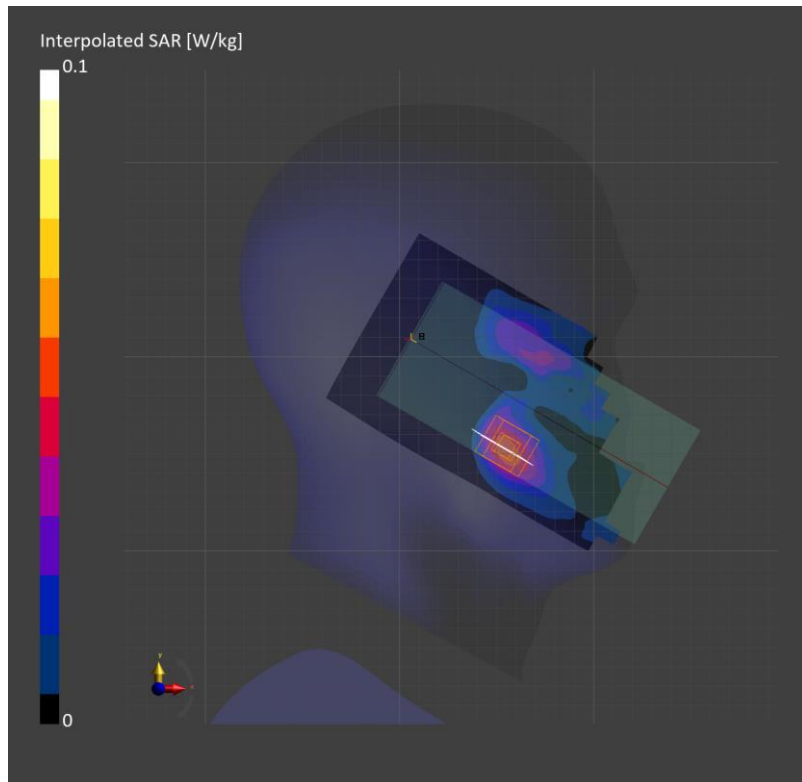
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.045 | 0.045 |
| psSAR10g [W/Kg] | 0.023 | 0.024 |
| Power Drift [dB] | | -0.10 |
| M2/M1 [%] | | 93.8 |
| Dist 3dB Peak [mm] | | 6.1 |



Measurement Report for SM_F956U, EDGE BOTTOM, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE BOTTOM, 10.00 | Band n30 | 5G NR FR1 FDD, 10937-AAD | 2310.0 | 6.91 | 1.72 | 39.2 |

Hardware Setup

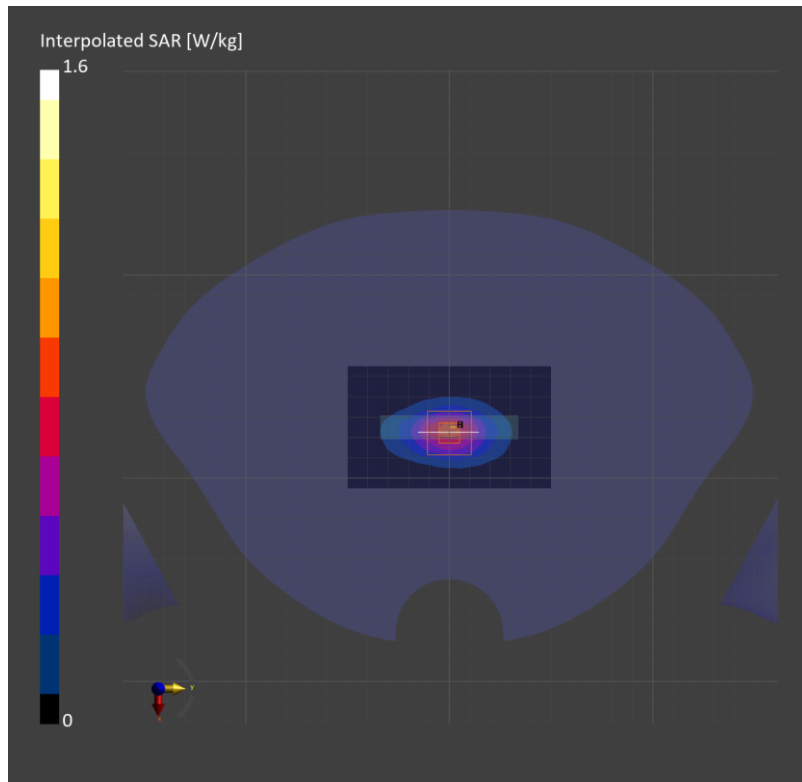
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.682 | 0.726 |
| psSAR10g [W/Kg] | 0.327 | 0.349 |
| Power Drift [dB] | -0.17 | |
| M2/M1 [%] | 80.3 | |
| Dist 3dB Peak [mm] | 9.0 | |



Measurement Report for Device, TILT, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Band n30 | 5G NR FR1 FDD, 10937-AAD | 2310.0 | 7.36 | 1.64 | 38.9 |

Hardware Setup

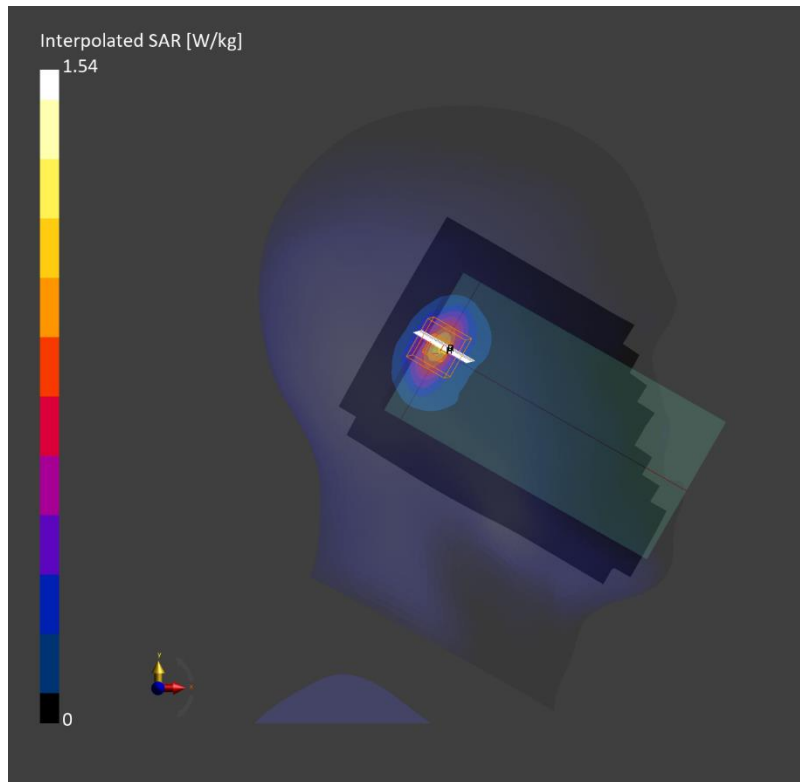
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.808 | 0.825 |
| psSAR10g [W/Kg] | 0.370 | 0.405 |
| Power Drift [dB] | | 0.07 |
| M2/M1 [%] | | 83.9 |
| Dist 3dB Peak [mm] | | 8.1 |



Measurement Report for SM_F956U, EDGE TOP, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band n30 | 5G NR FR1 FDD, 10937-AAD | 2310.0 | 6.91 | 1.68 | 39.2 |

Hardware Setup

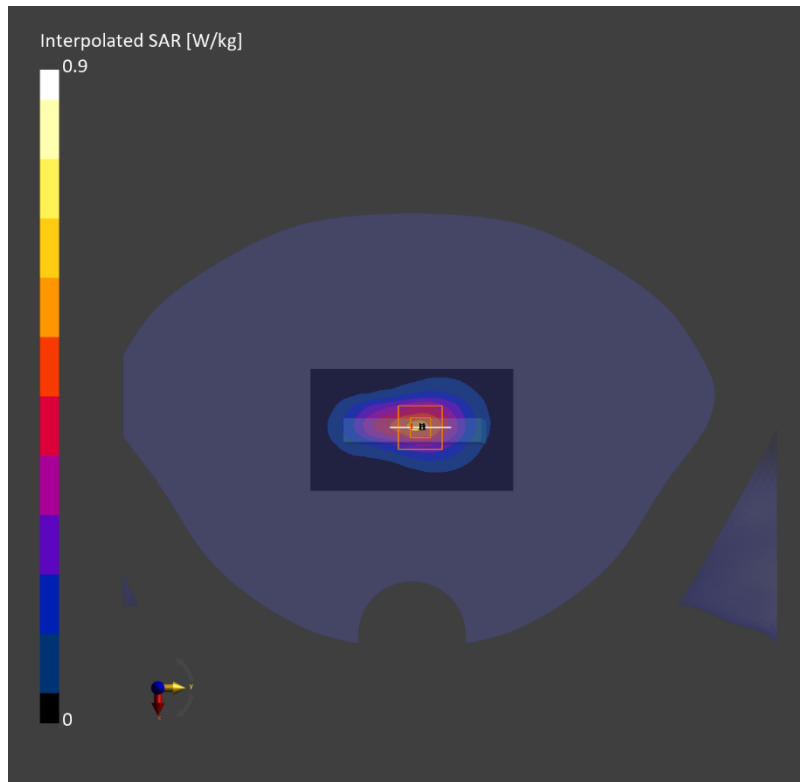
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.435 | 0.472 |
| psSAR10g [W/Kg] | 0.225 | 0.251 |
| Power Drift [dB] | | -0.04 |
| M2/M1 [%] | | 83.8 |
| Dist 3dB Peak [mm] | | 11.0 |



NR Band n66

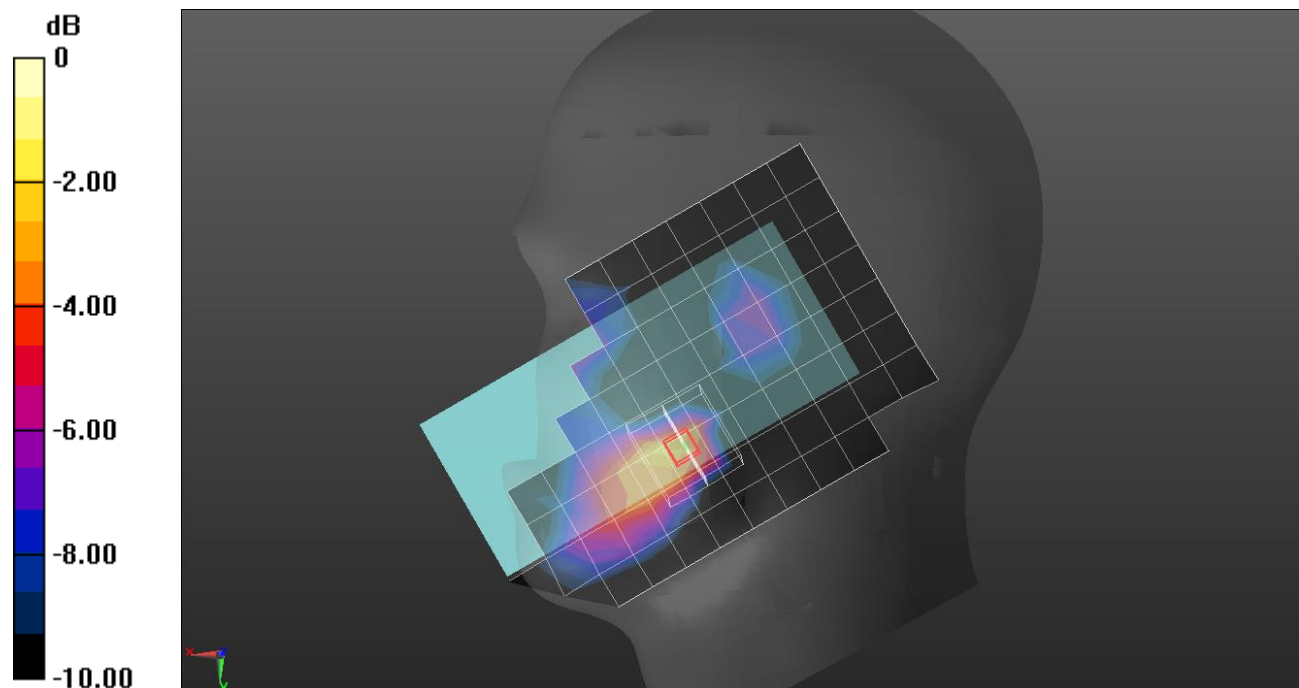
Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.323$ S/m; $\epsilon_r = 40.124$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1667; Calibrated: 4/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1745 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/1 ch.349000/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.138 W/kg

RHS/Touch QPSK RB 1/1 ch.349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 12.22 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.135 W/kg
 Smallest distance from peaks to all points 3 dB below = 8.1 mm
 Ratio of SAR at M2 to SAR at M1 = 49.1%
 Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

NR Band n66

Frequency: 1745 MHz; Communication System Channel Number: 349000; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.337$ S/m; $\epsilon_r = 39.521$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.54, 8.54, 8.54) @ 1745 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 108/54 ch.349000/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.16 W/kg

Bottom/QPSK RB 108/54 ch.349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.12 V/m; Power Drift = -0.03 dB

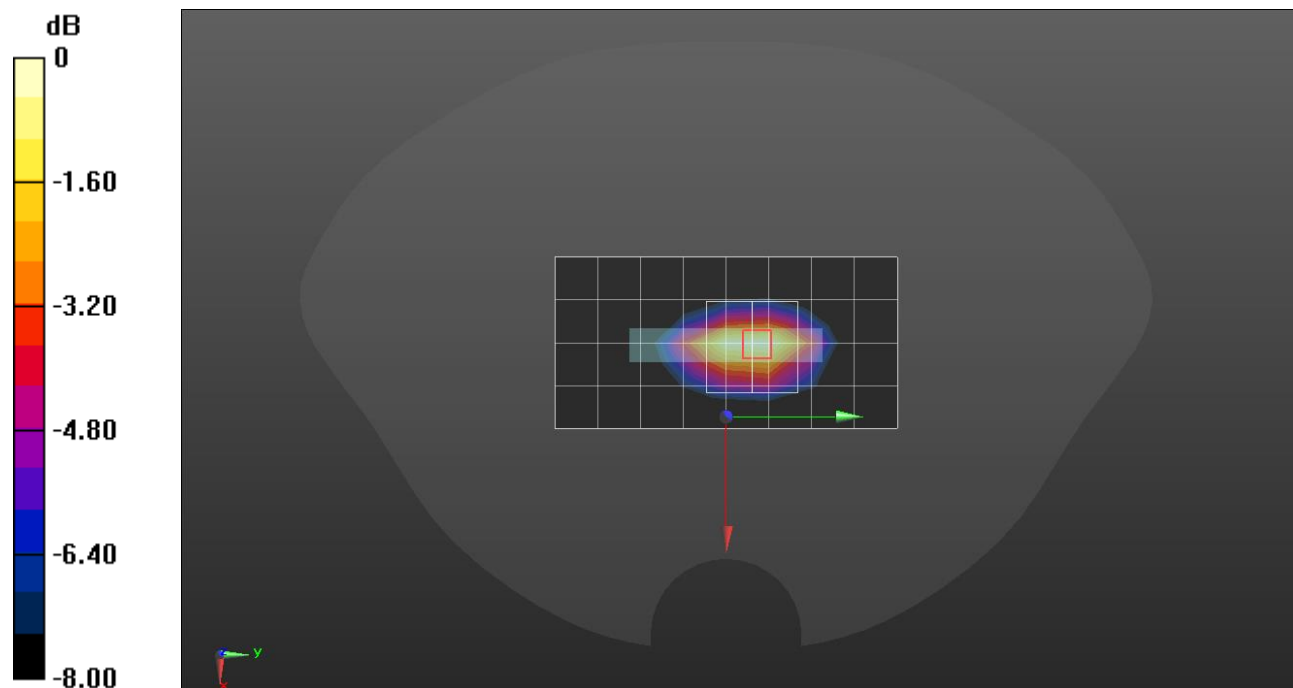
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.883 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Measurement Report for SM_F956U, TILT, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Band n66 | 5G NR FR1 FDD, 10942-AAC | 1745.0 | 8.54 | 1.34 | 39.2 |

Hardware Setup

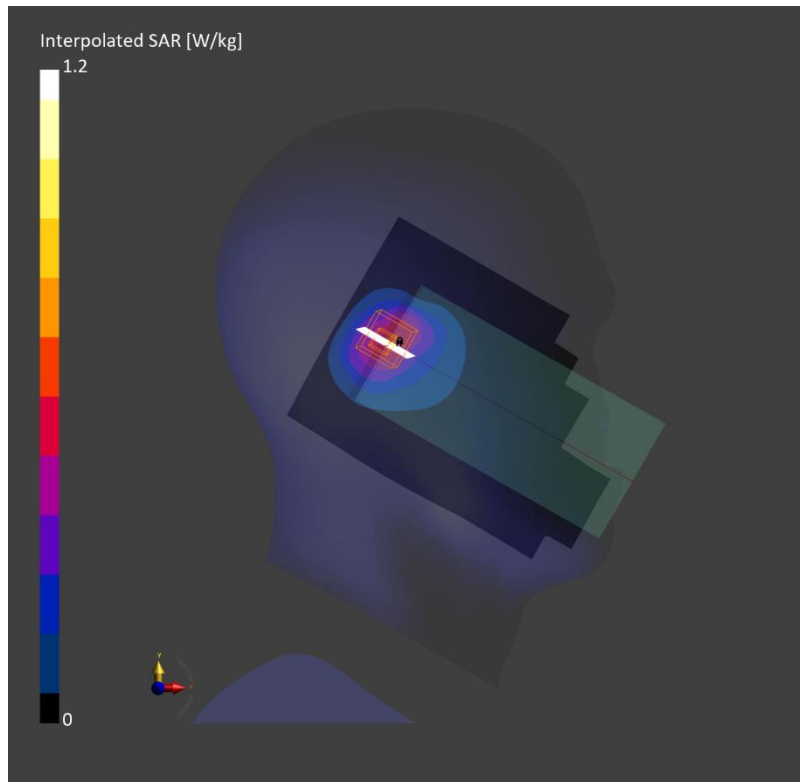
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.512 | 0.541 |
| psSAR10g [W/Kg] | 0.297 | 0.314 |
| Power Drift [dB] | | -0.13 |
| M2/M1 [%] | | 86.5 |
| Dist 3dB Peak [mm] | | 12.3 |



Measurement Report for SM_F956U, EDGE TOP, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band n66 | 5G NR FR1 FDD, 10942-AAC | 1745.0 | 8.54 | 1.34 | 39.2 |

Hardware Setup

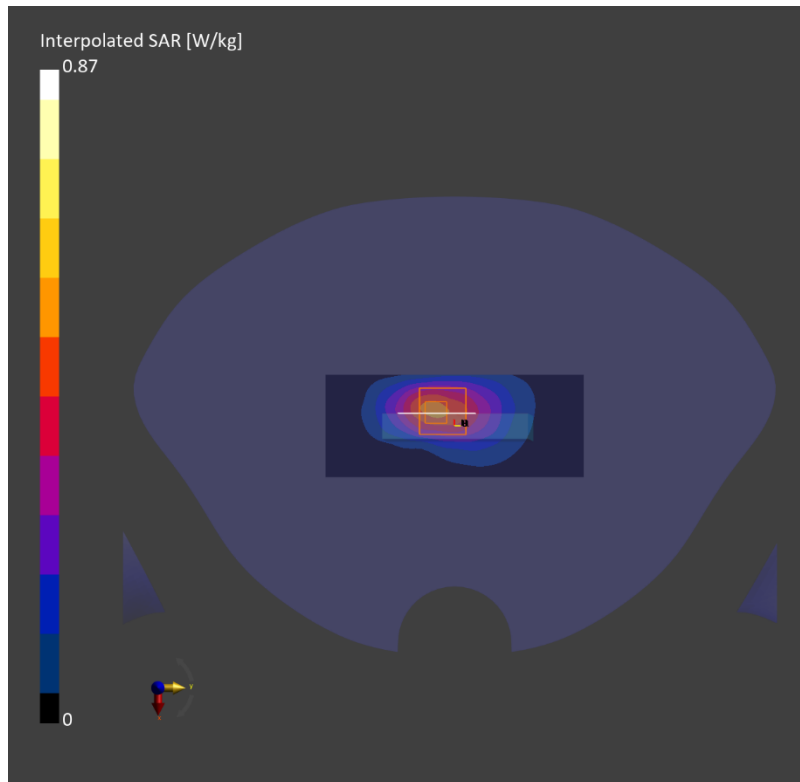
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 120.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.441 | 0.505 |
| psSAR10g [W/Kg] | 0.249 | 0.276 |
| Power Drift [dB] | 0.14 | |
| M2/M1 [%] | 84.9 | |
| Dist 3dB Peak [mm] | 8.8 | |



NR Band n70

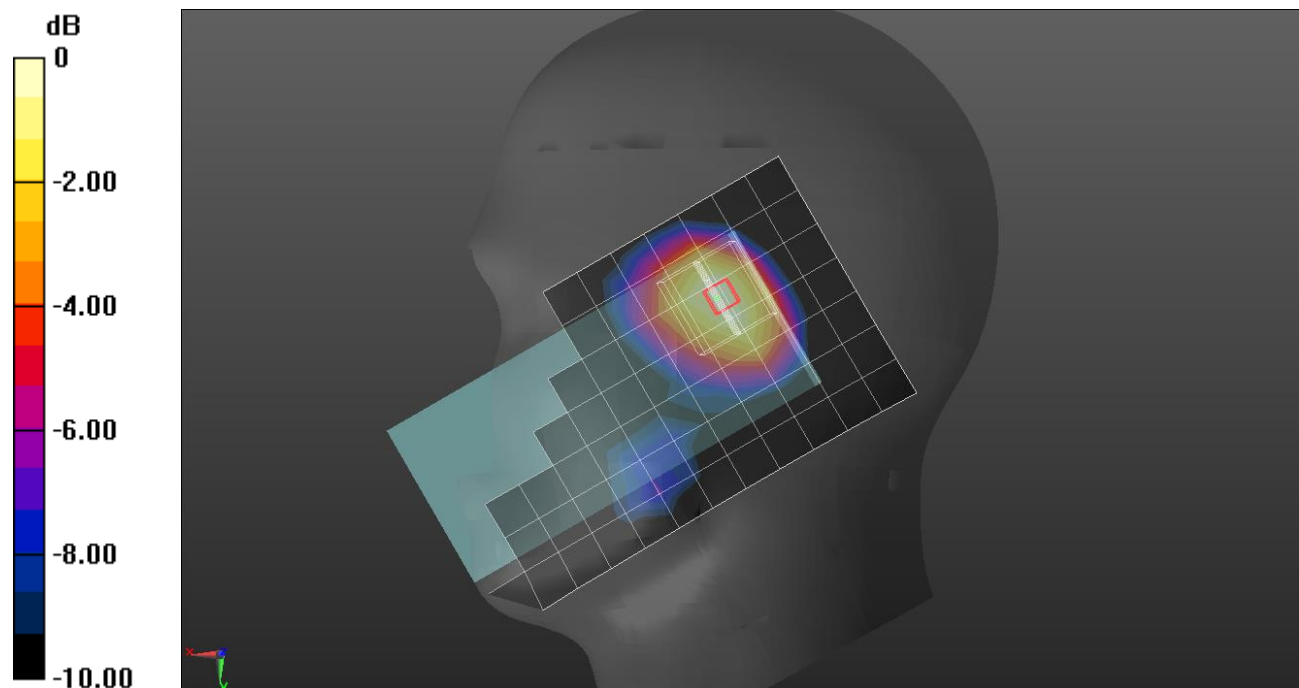
Frequency: 1702.5 MHz; Communication System Channel Number: 340500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.301$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1667; Calibrated: 4/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1702.5 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 36/21 ch.340500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.182 W/kg

RHS/Tilt QPSK RB 36/21 ch.340500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 12.33 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 0.212 W/kg
SAR(1 g) = 0.145 W/kg
 Smallest distance from peaks to all points 3 dB below = 11.2 mm
 Ratio of SAR at M2 to SAR at M1 = 73%
 Maximum value of SAR (measured) = 0.185 W/kg



0 dB = 0.182 W/kg = -7.40 dBW/kg

NR Band n70

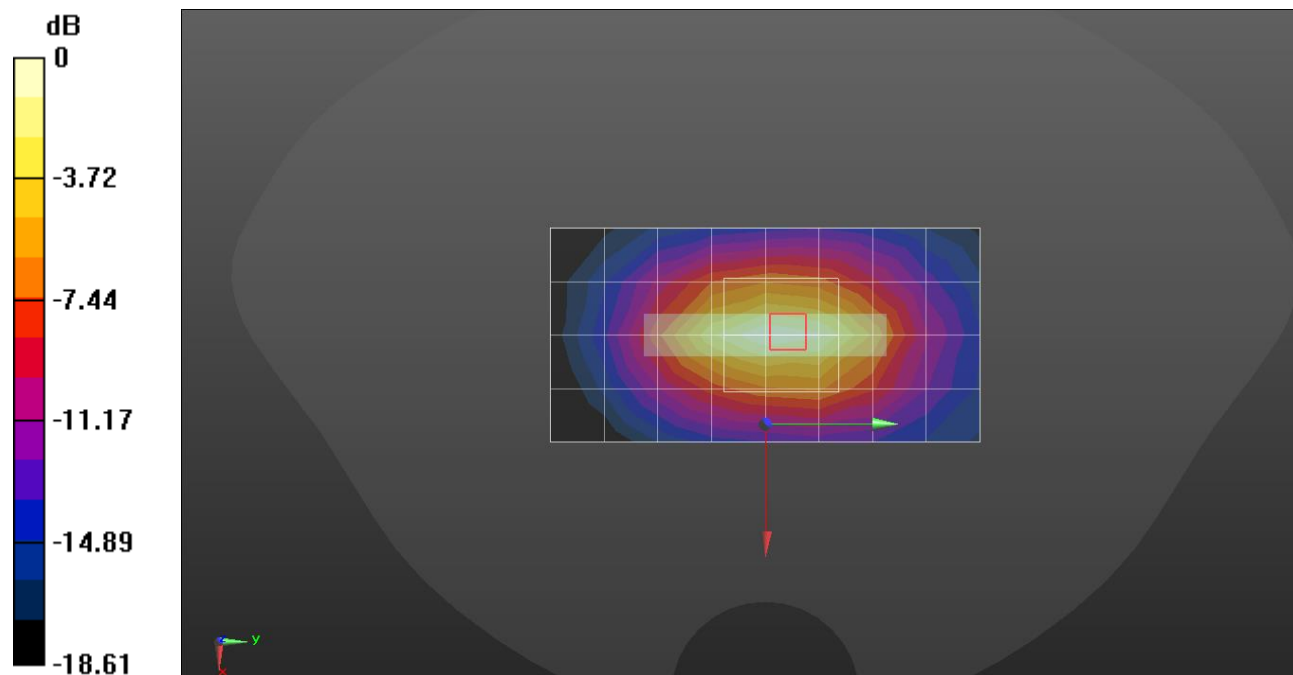
Frequency: 1702.5 MHz; Communication System Channel Number: 340500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.306$ S/m; $\epsilon_r = 39.342$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7545; ConvF(8.54, 8.54, 8.54) @ 1702.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 36/21 ch.340500/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.850 W/kg

Bottom/QPSK RB 36/21 ch.340500/Zoom Scan (5x5x8)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=1.4mm
 Reference Value = 23.87 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.576 W/kg
 Smallest distance from peaks to all points 3 dB below = 9.6 mm
 Ratio of SAR at M2 to SAR at M1 = 82.5%
 Maximum value of SAR (measured) = 0.860 W/kg



0 dB = 0.850 W/kg = -0.71 dBW/kg

NR Band n70

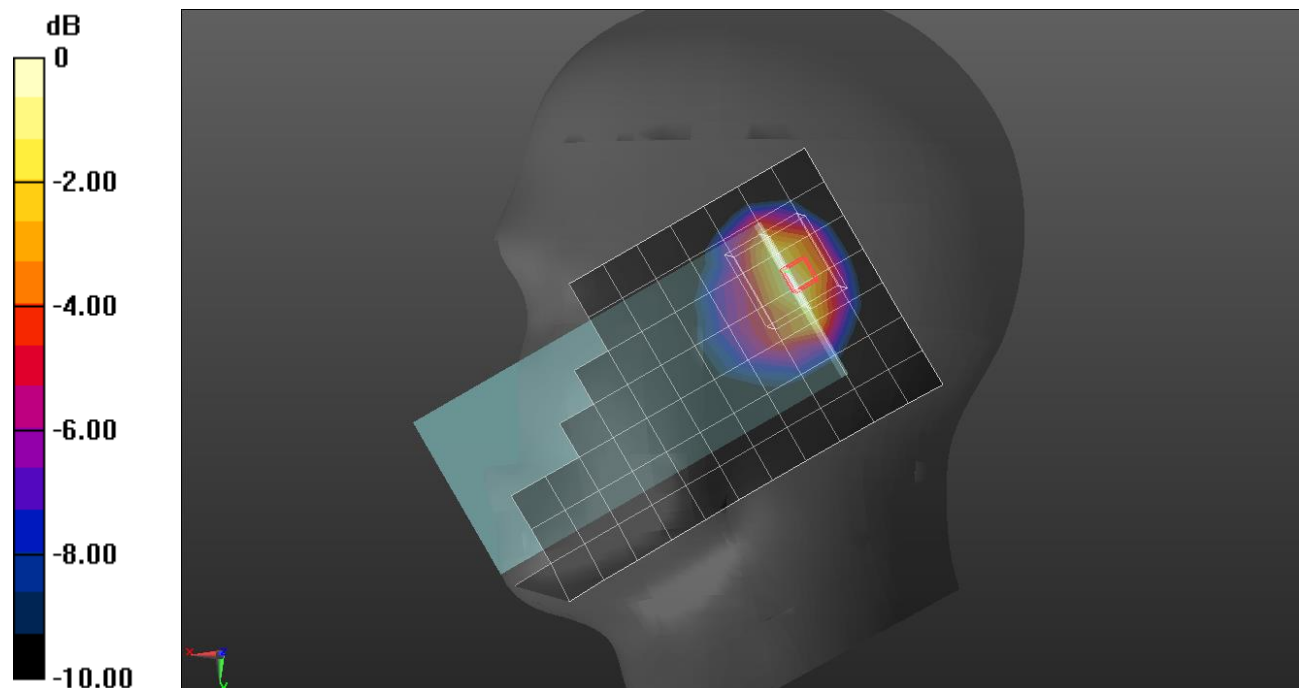
Frequency: 1702.5 MHz; Communication System Channel Number: 340500; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.301$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1667; Calibrated: 4/24/2023
- Probe: EX3DV4 - SN7652; ConvF(8.8, 8.64, 8.92) @ 1702.5 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 36/21 ch.340500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.822 W/kg

RHS/Tilt QPSK RB 36/21 ch.340500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 26.53 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.589 W/kg
 Smallest distance from peaks to all points 3 dB below = 9.8 mm
 Ratio of SAR at M2 to SAR at M1 = 57.8%
 Maximum value of SAR (measured) = 0.856 W/kg



0 dB = 0.856 W/kg = -0.68 dBW/kg

Measurement Report for SM_F956U, EDGE TOP, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz), Channel 340500 (1702.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band n70 | 5G NR FR1 FDD, 10938-AAC | 1702.5 | 8.54 | 1.29 | 38.4 |

Hardware Setup

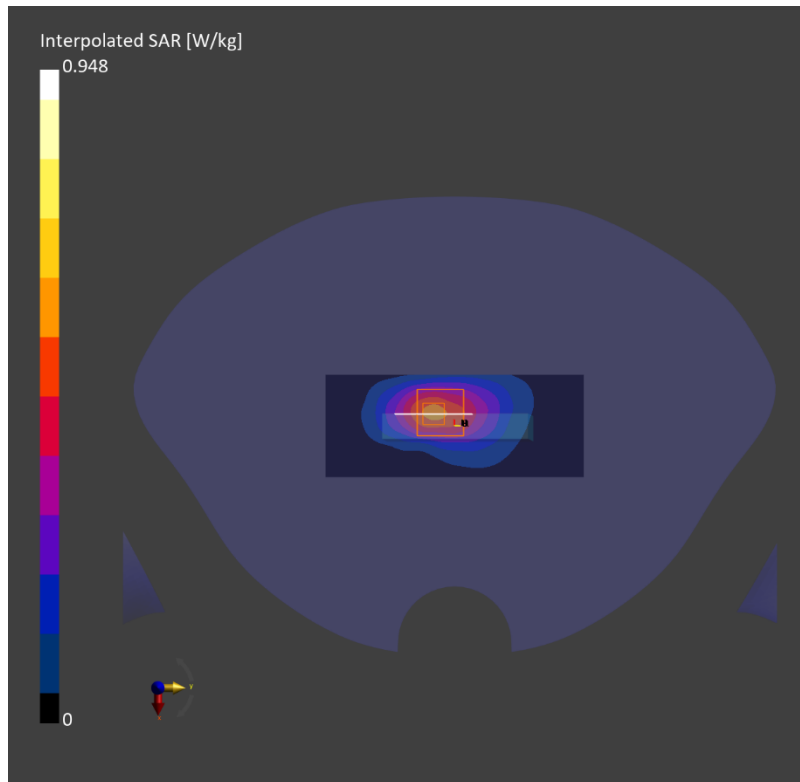
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 120.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.478 | 0.549 |
| psSAR10g [W/Kg] | 0.271 | 0.298 |
| Power Drift [dB] | -0.07 | |
| M2/M1 [%] | 84.7 | |
| Dist 3dB Peak [mm] | 9.2 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n71 | 5G NR FR1 FDD, 10939-AAC | 680.5 | 7.92 | 0.857 | 42.4 |

Hardware Setup

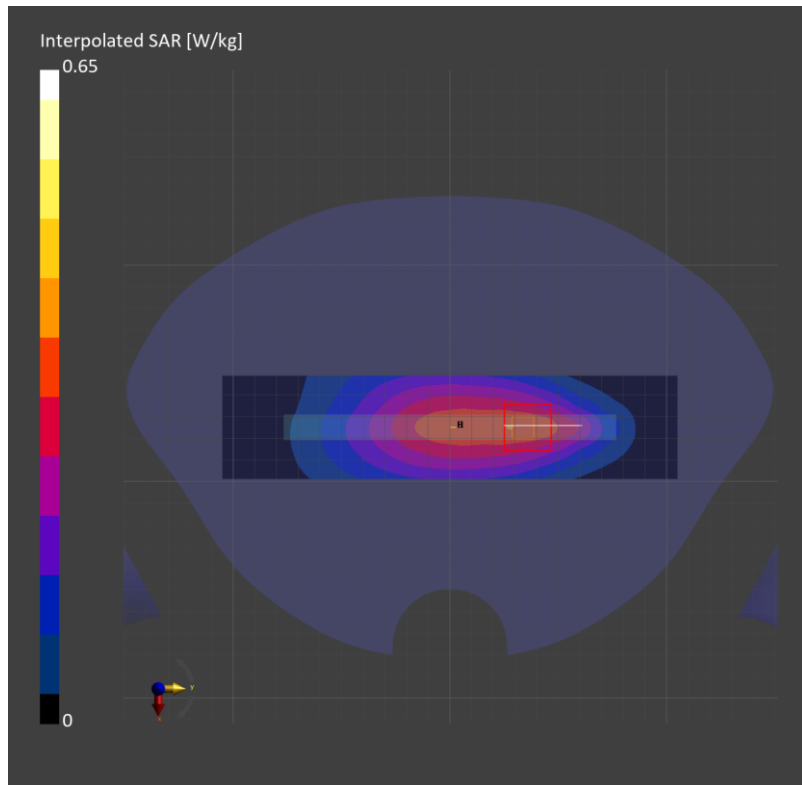
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7645, 2023-09-20 | DAE4 Sn1447, 2023-03-22 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 32.0 x 32.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.331 | 0.341 |
| psSAR10g [W/Kg] | 0.225 | 0.223 |
| Power Drift [dB] | -0.06 | |
| M2/M1 [%] | 83.2 | |
| Dist 3dB Peak [mm] | 14.1 | |



Measurement Report for SM_F956U, CHEEK, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | CHEEK, 0.00 | Band n71 | 5G NR FR1 FDD, 10939-AAC | 680.5 | 9.6 | 0.876 | 42.6 |

Hardware Setup

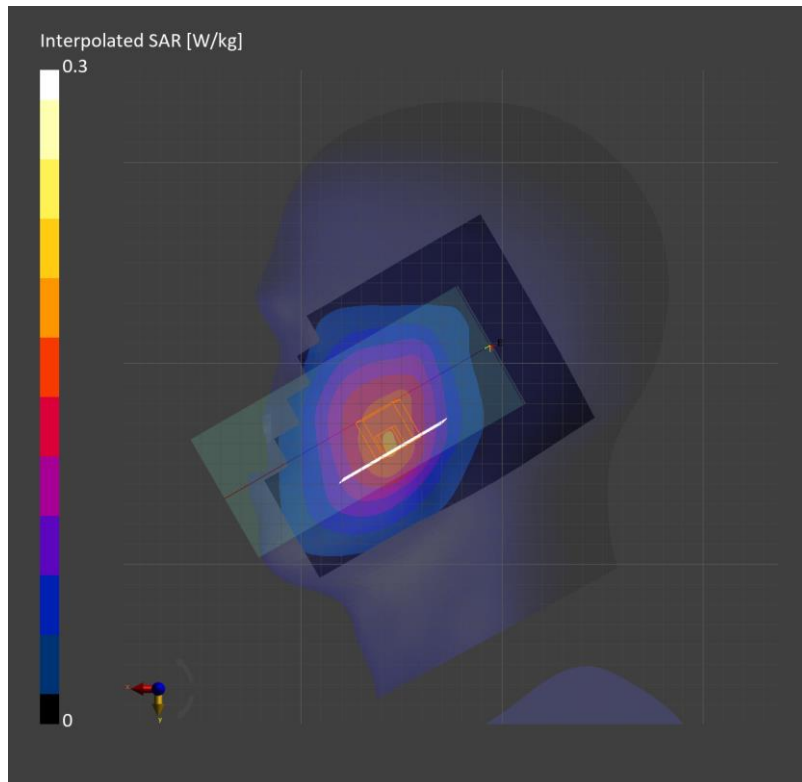
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.157 | 0.164 |
| psSAR10g [W/Kg] | 0.110 | 0.129 |
| Power Drift [dB] | 0.04 | |
| M2/M1 [%] | 93.8 | |
| Dist 3dB Peak [mm] | 21.9 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n71 | 5G NR FR1 FDD, 10939-AAC | 680.5 | 9.6 | 0.863 | 41.8 |

Hardware Setup

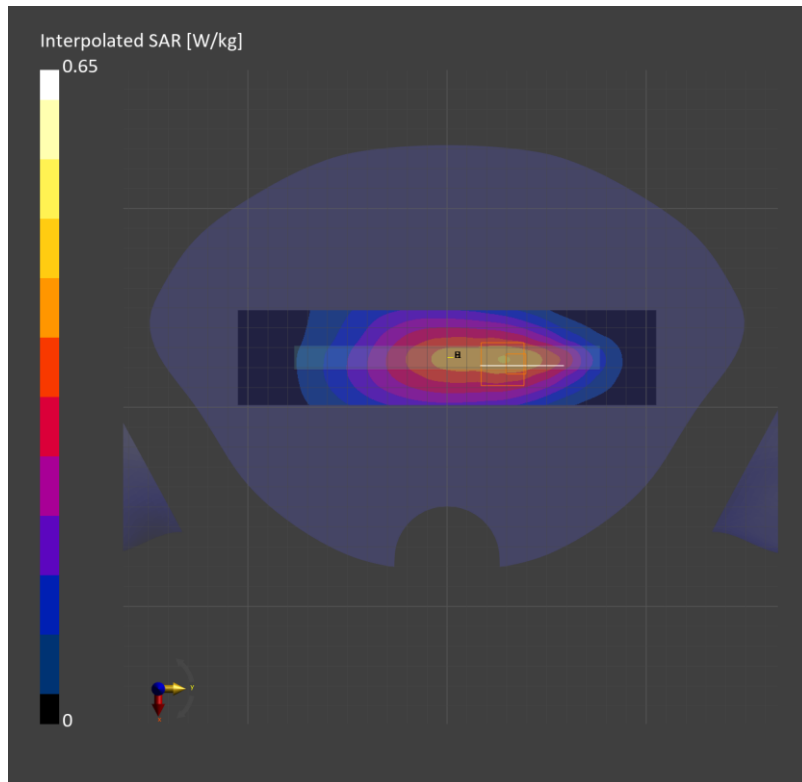
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 1991 | HBBL-600-10000 | EX3DV4 - SN7314, 2023-05-26 | DAE4 Sn1494, 2023-07-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 4.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.379 | 0.391 |
| psSAR10g [W/Kg] | 0.254 | 0.261 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 84.6 |
| Dist 3dB Peak [mm] | | 14.1 |



Measurement Report for SM_F956U, CHEEK, Band n71, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | Band n71 | 5G NR FR1 FDD, 10931-AAC | 680.5 | 9.64 | 0.882 | 41.4 |

Hardware Setup

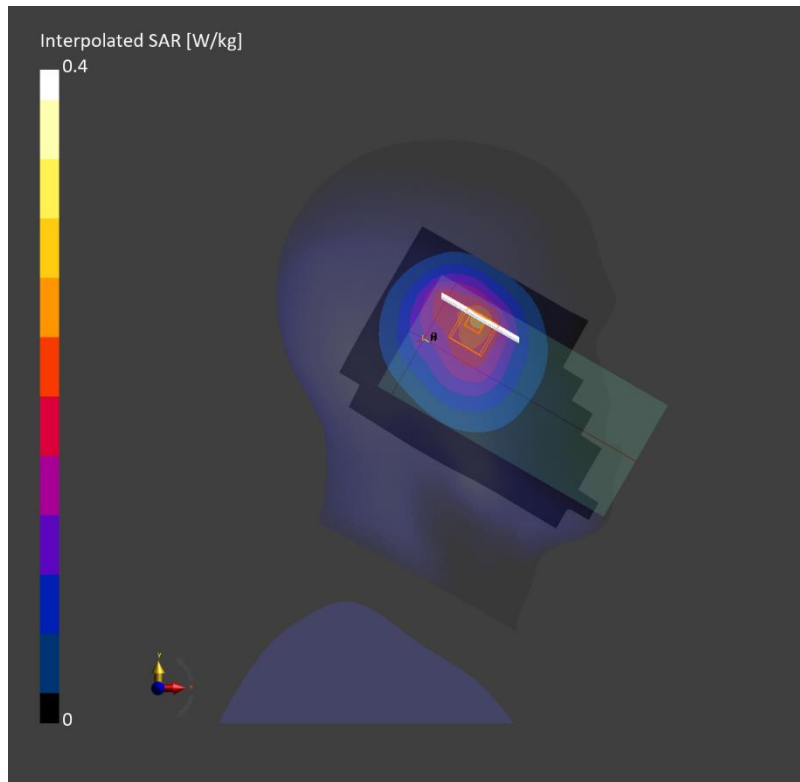
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 120.0 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 15.0 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.209 | 0.210 |
| psSAR10g [W/Kg] | 0.140 | 0.146 |
| Power Drift [dB] | -0.02 | |
| M2/M1 [%] | 88.3 | |
| Dist 3dB Peak [mm] | 12.1 | |



Measurement Report for SM_F956U, EDGE RIGHT, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE RIGHT, 10.00 | Band n71 | 5G NR FR1 FDD, 10939-AAC | 680.5 | 9.64 | 0.882 | 41.4 |

Hardware Setup

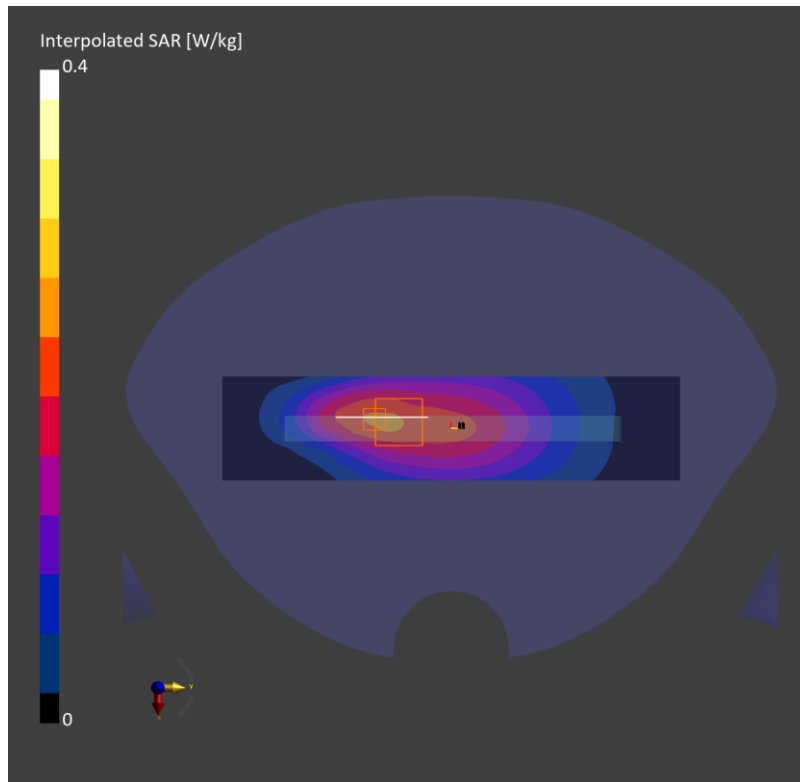
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2037 | HBBL-600-10000 | EX3DV4 - SN3871, 2023-08-25 | DAE4 Sn474, 2023-11-10 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 47.6 x 210.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 11.91 x 15.0 | 6.0 x 6.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.212 | 0.220 |
| psSAR10g [W/Kg] | 0.144 | 0.149 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 87.6 |
| Dist 3dB Peak [mm] | | 15.2 |



NR Band n41(Voice/Data/SRS0)

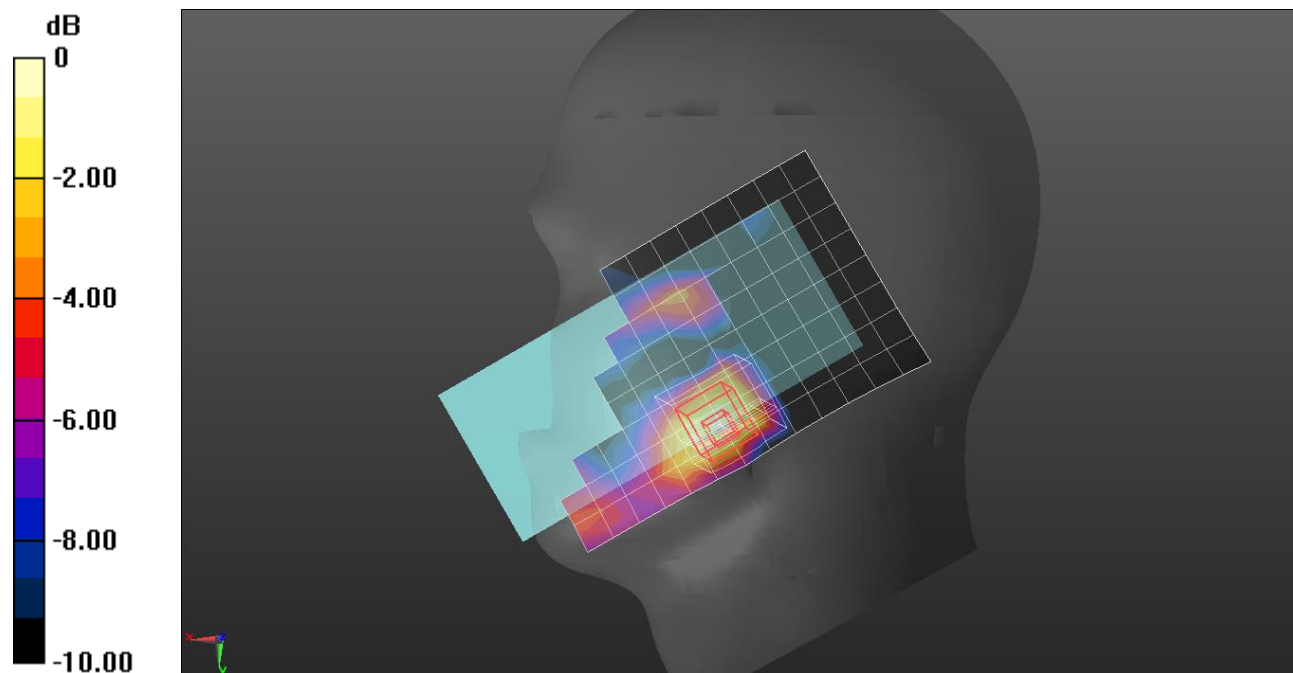
Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 38.353$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7652; ConvF(7.69, 7.51, 7.85) @ 2592.99 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch QPSK RB 1/1 ch.518598/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.127 W/kg

RHS/Touch QPSK RB 1/1 ch.518598/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.294 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 0.392 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.041 W/kg
 Smallest distance from peaks to all points 3 dB below = 8.6 mm
 Ratio of SAR at M2 to SAR at M1 = 46.2%
 Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.127 W/kg = -8.96 dBW/kg

NR Band n41(Voice/Data/SRS0)

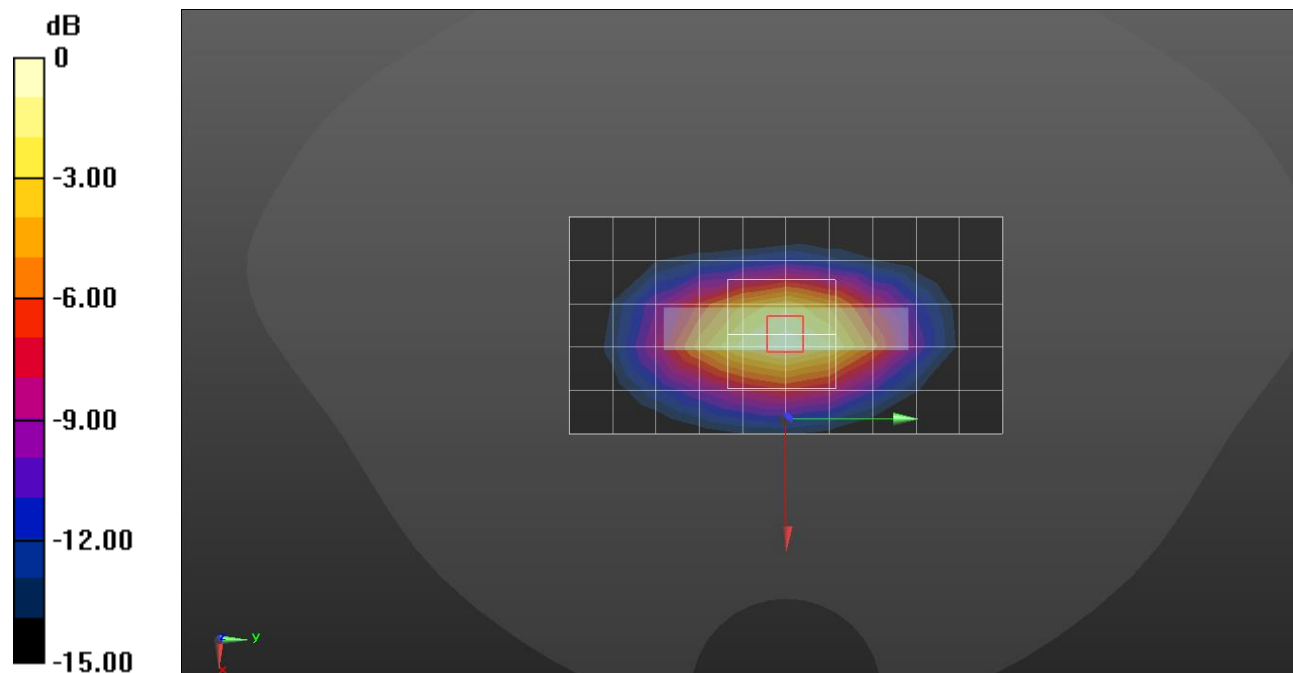
Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.893$ S/m; $\epsilon_r = 40.449$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7652; ConvF(7.69, 7.51, 7.85) @ 2592.99 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 1/1 ch.518598/Area Scan (11x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.39 W/kg

Bottom/QPSK RB 1/1 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 24.67 V/m; Power Drift = 0.06 dB
 Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.895 W/kg
 Smallest distance from peaks to all points 3 dB below = 9 mm
 Ratio of SAR at M2 to SAR at M1 = 47.7%
 Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

NR Band n41(SRS1/SRS2/SRS3)

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 39.271$; $\rho = 1000$ kg/m³

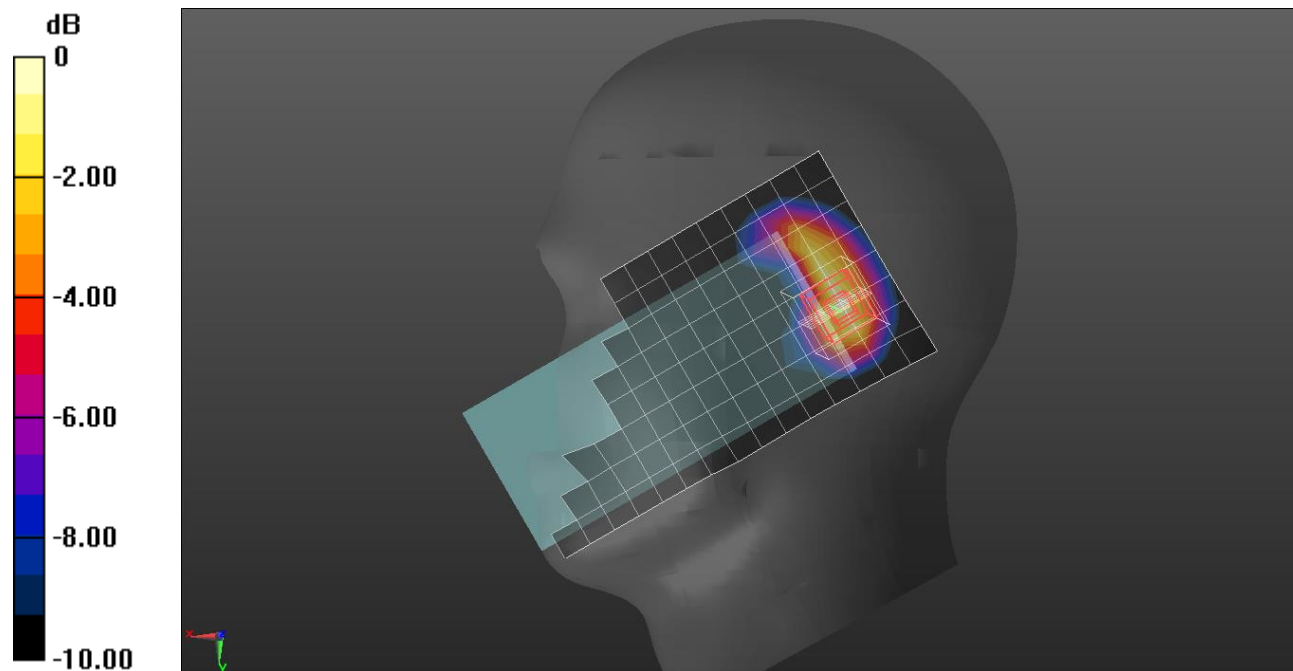
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(7.29, 7.29, 7.29) @ 2592.99 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt CW ch.518598/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.624 W/kg

RHS/Tilt CW ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.84 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 0.787 W/kg
SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.194 W/kg
 Smallest distance from peaks to all points 3 dB below = 10.3 mm
 Ratio of SAR at M2 to SAR at M1 = 50.6%
 Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

NR Band n41(SRS1/SRS2/SRS3)

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 39.271$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(7.29, 7.29, 7.29) @ 2592.99 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/CW ch.518598/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.507 W/kg

Top/CW ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.41 V/m; Power Drift = 0.10 dB

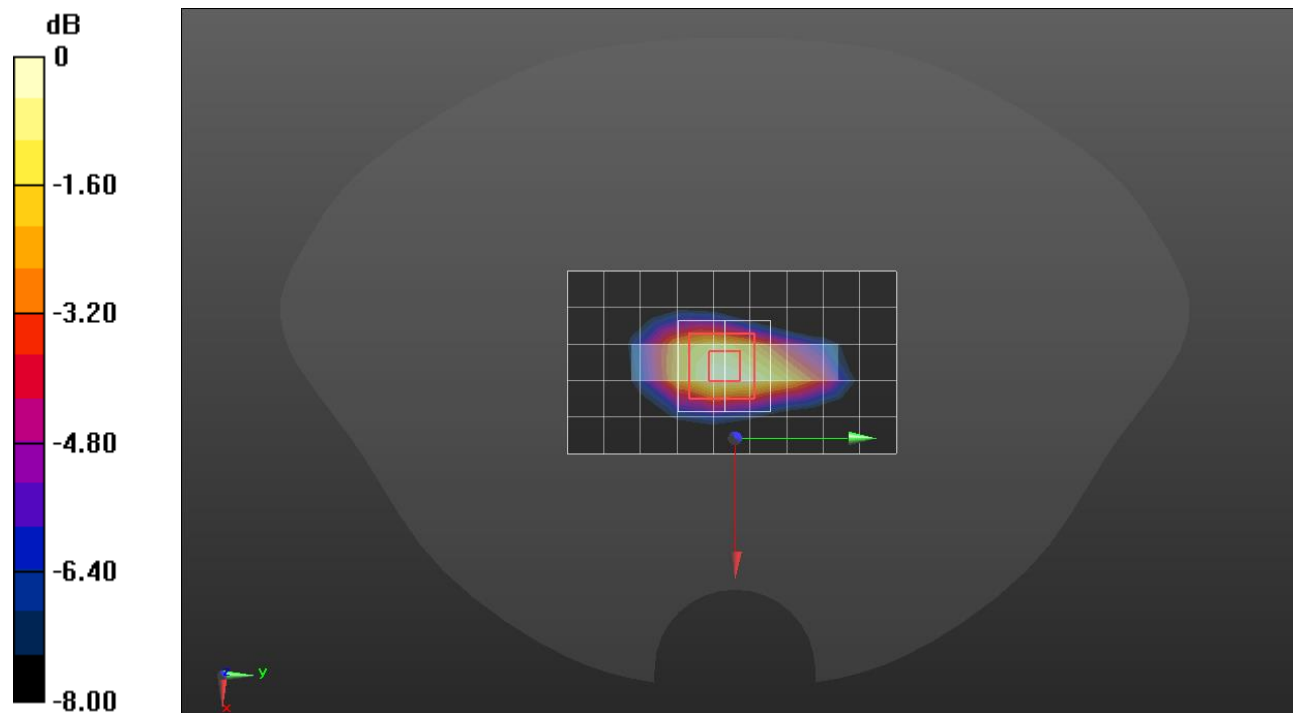
Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.171 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 47.8%.

Maximum value of SAR (measured) = 0.625 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

NR Band n41(Voice/Data/SRS0)

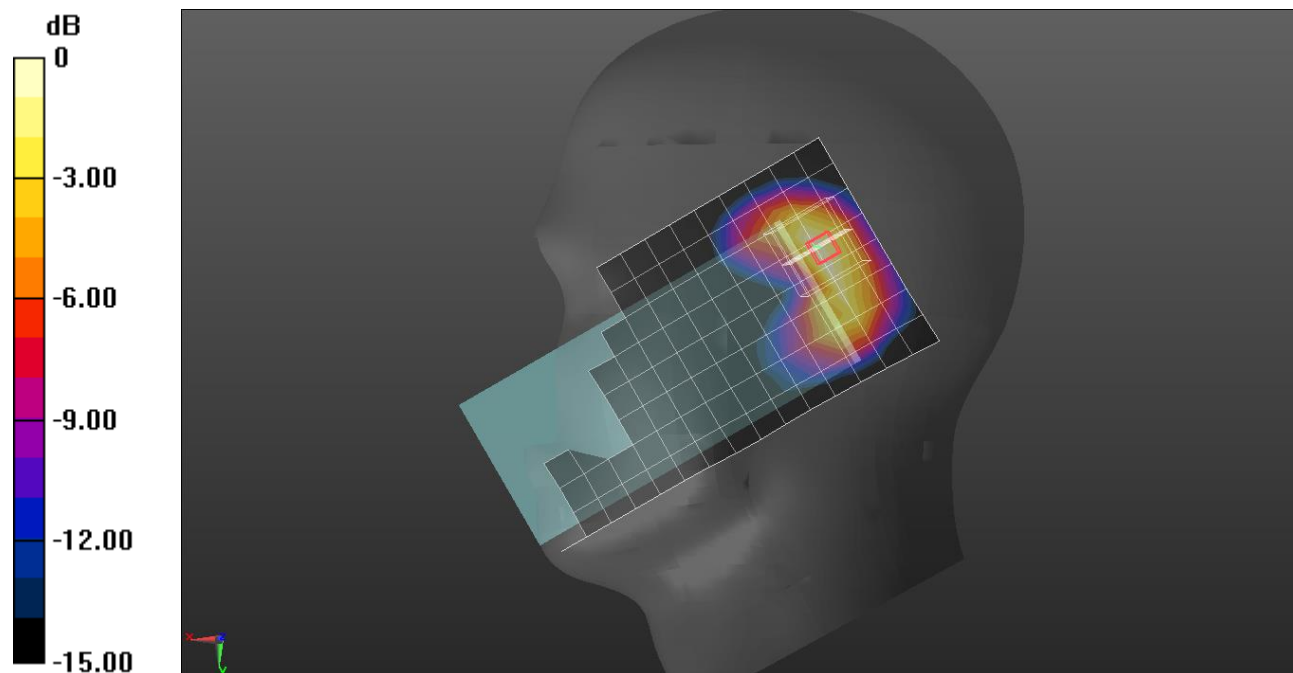
Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 2.009$ S/m; $\epsilon_r = 37.875$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.69, 7.51, 7.85) @ 2592.99 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 1/136 ch.518598/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.492 W/kg

RHS/Tilt QPSK RB 1/136 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 15.89 V/m; Power Drift = 0.15 dB
 Peak SAR (extrapolated) = 0.699 W/kg
SAR(1 g) = 0.319 W/kg
 Smallest distance from peaks to all points 3 dB below = 8 mm
 Ratio of SAR at M2 to SAR at M1 = 44.7%
 Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.492 W/kg = -3.08 dBW/kg

NR Band n41(Voice/Data/SRS0)

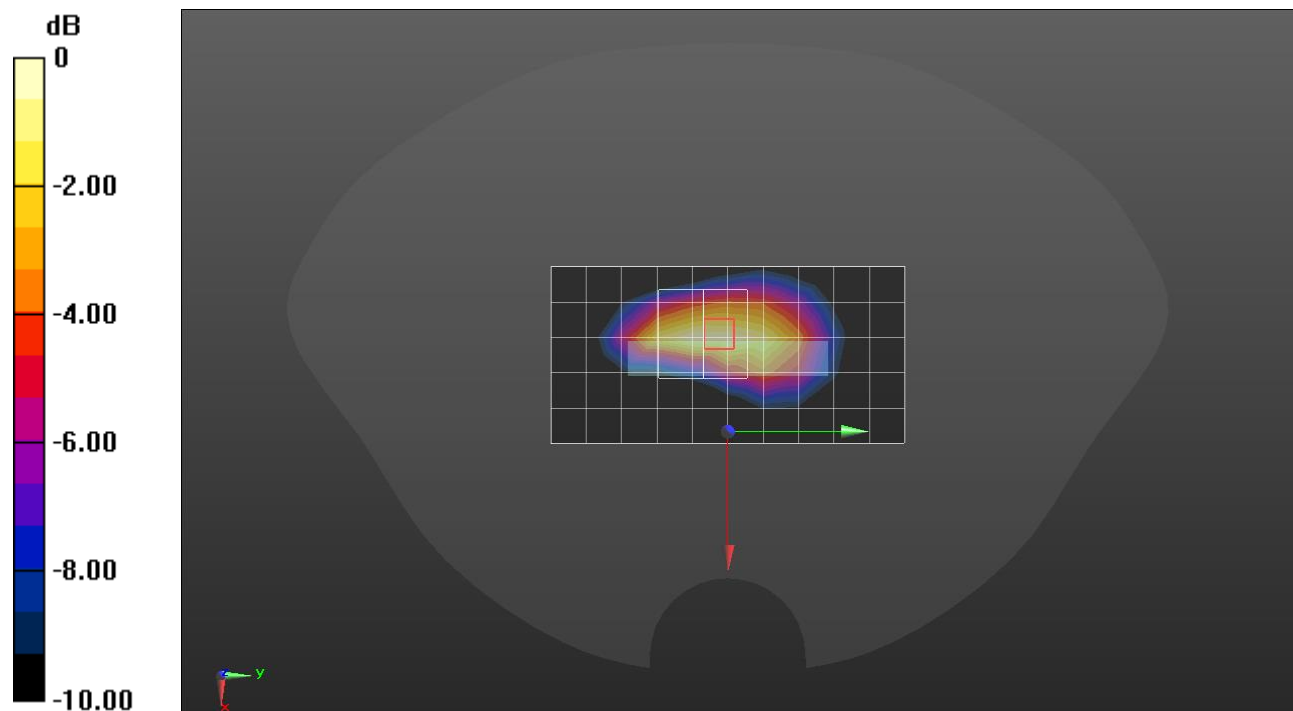
Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 38.52$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 8/24/2023
- Probe: EX3DV4 - SN7652; ConvF(7.69, 7.51, 7.85) @ 2592.99 MHz; Calibrated: 4/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 1/136 ch.518598/Area Scan (11x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.387 W/kg

Top/QPSK RB 1/136 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 12.88 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.230 W/kg
 Smallest distance from peaks to all points 3 dB below = 8.2 mm
 Ratio of SAR at M2 to SAR at M1 = 45.8%.
 Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.387 W/kg = -4.13 dBW/kg

NR Band n41(SRS1/SRS2/SRS3)

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 39.271$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(7.29, 7.29, 7.29) @ 2592.99 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Touch CW ch.518598/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.0530 W/kg

RHS/Touch CW ch.518598/Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.289 V/m; Power Drift = 0.10 dB

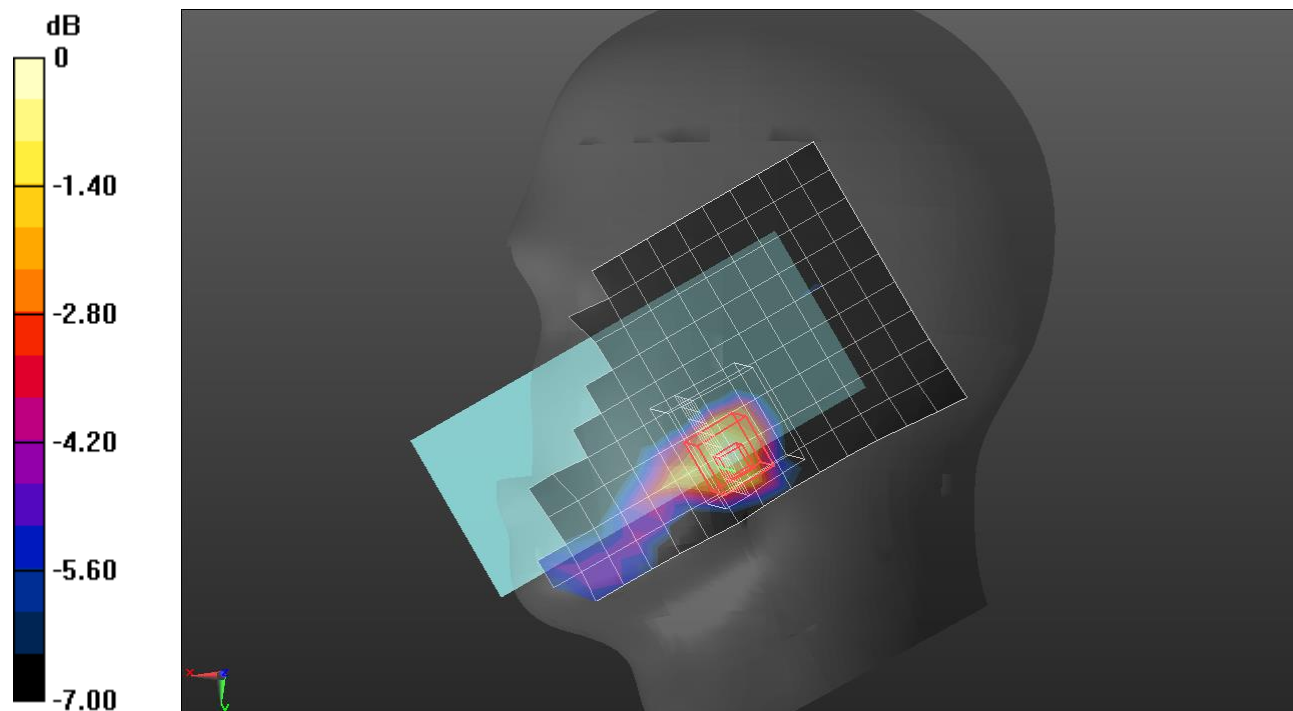
Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.017 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 17.5 mm)

Ratio of SAR at M2 to SAR at M1 = 41.5%

Maximum value of SAR (measured) = 0.0721 W/kg



0 dB = 0.0530 W/kg = -12.76 dBW/kg

NR Band n41(SRS1/SRS2/SRS3)

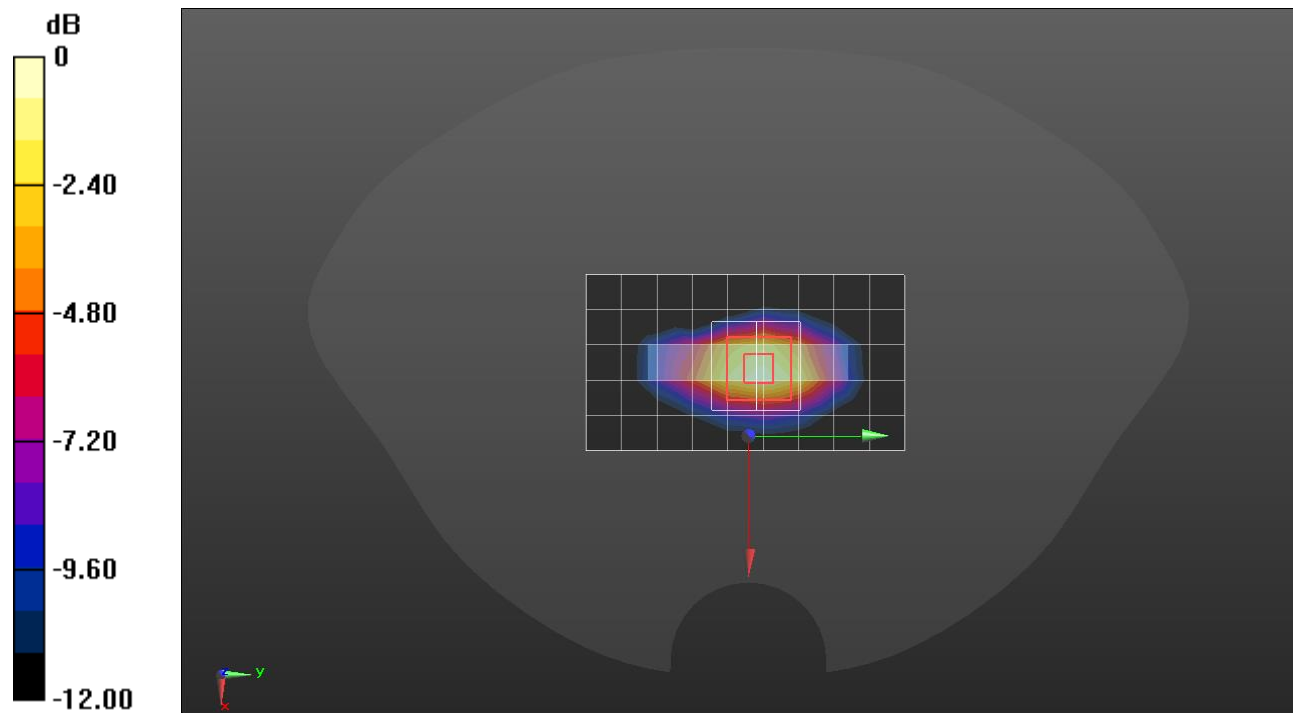
Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 39.271$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(7.29, 7.29, 7.29) @ 2592.99 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/CW ch.518598/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.855 W/kg

Bottom/CW ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 21.08 V/m; Power Drift = 0.14 dB
 Peak SAR (extrapolated) = 1.42 W/kg
SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.252 W/kg
 Smallest distance from peaks to all points 3 dB below = 8 mm
 Ratio of SAR at M2 to SAR at M1 = 42.7%
 Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 0.855 W/kg = -0.68 dBW/kg

NR Band n48(Voice/Data/SRS0)

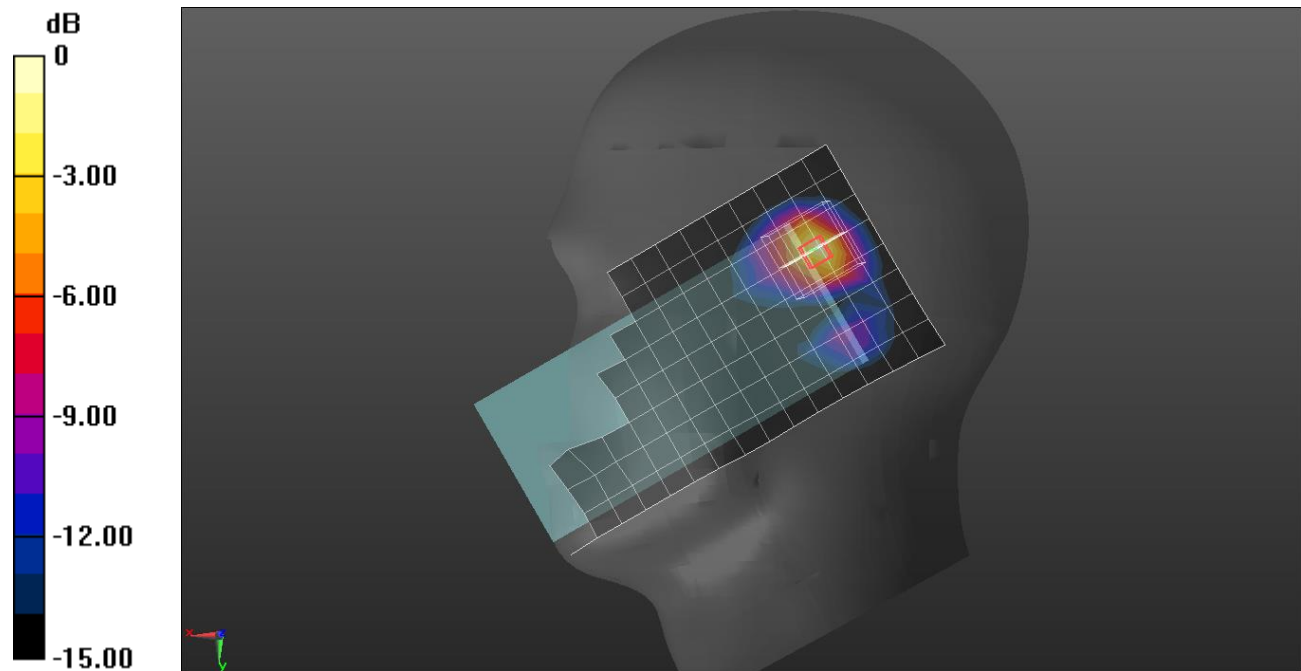
Frequency: 3680 MHz; Communication System Channel Number: 645332; Duty Cycle: 1:4.00037
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 3680$ MHz; $\sigma = 2.999$ S/m; $\epsilon_r = 37.508$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(6.93, 6.93, 6.93) @ 3680 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt QPSK RB 1/1 ch.645332/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 1.99 W/kg

RHS/Tilt QPSK RB 1/1 ch.645332/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
 Reference Value = 25.00 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 1.04 W/kg
 Smallest distance from peaks to all points 3 dB below = 7 mm
 Ratio of SAR at M2 to SAR at M1 = 72.8%
 Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

NR Band n48(Voice/Data/SRS0)

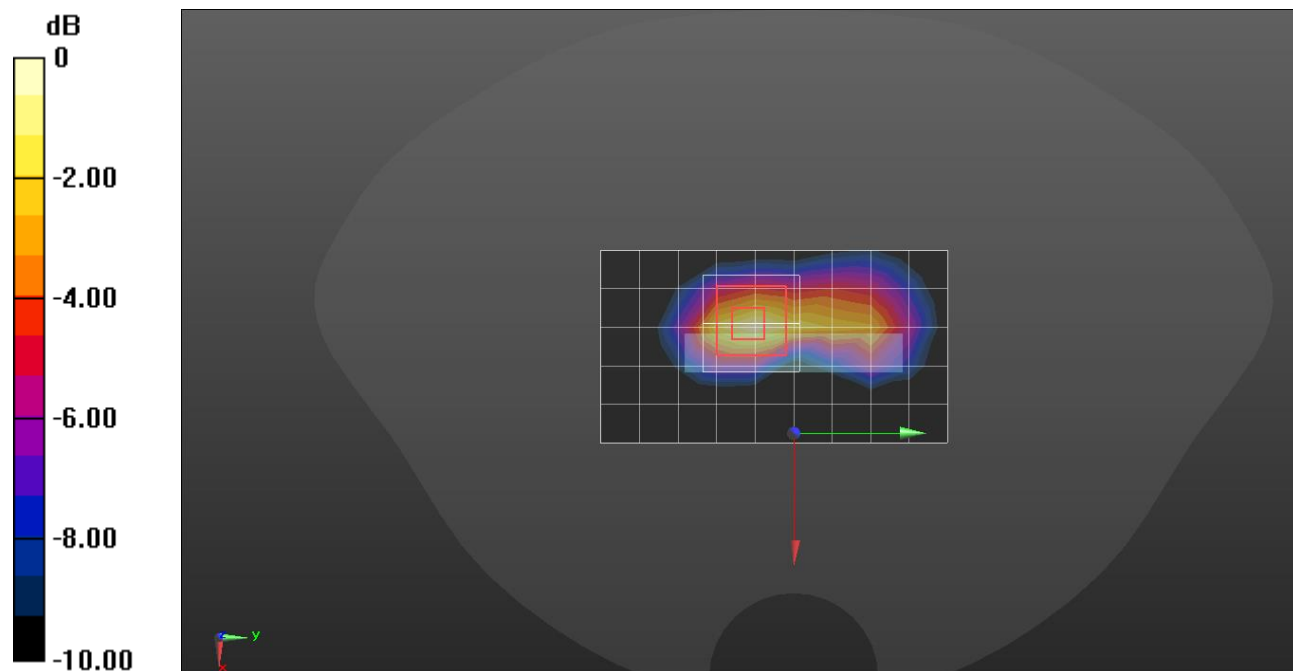
Frequency: 3570 MHz; Communication System Channel Number: 638000; Duty Cycle: 1:4.00037
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 3570$ MHz; $\sigma = 2.952$ S/m; $\epsilon_r = 37.641$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1675; Calibrated: 5/11/2023
- Probe: EX3DV4 - SN7314; ConvF(7.07, 7.07, 7.07) @ 3570 MHz; Calibrated: 5/26/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 1/1 ch.638000/Area Scan (10x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.646 W/kg

Top/QPSK RB 1/1 ch.638000/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
 Reference Value = 13.56 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.132 W/kg
 Smallest distance from peaks to all points 3 dB below = 8 mm
 Ratio of SAR at M2 to SAR at M1 = 71.2%
 Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.646 W/kg = -1.90 dBW/kg

Measurement Report for SM_F956U, TILT, Custom Band, CW, Channel 3625000 (3625.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Custom Band | CW, 0-- | 3625.0 | 6.44 | 2.98 | 38.2 |

Hardware Setup

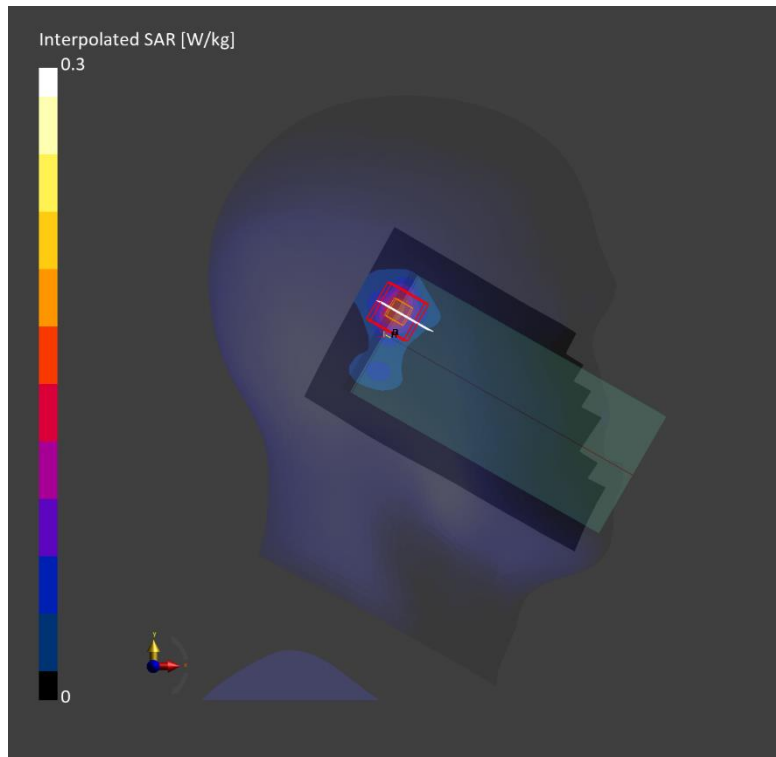
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7313, 2024-02-21 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.125 | 0.122 |
| psSAR10g [W/Kg] | 0.048 | 0.044 |
| Power Drift [dB] | | 0.15 |
| M2/M1 [%] | | 79.8 |
| Dist 3dB Peak [mm] | | 8.3 |



Measurement Report for SM_F956U, BACK, Custom Band, CW, Channel 3625000 (3625.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Custom Band | CW, 0-- | 3625.0 | 6.44 | 2.98 | 38.2 |

Hardware Setup

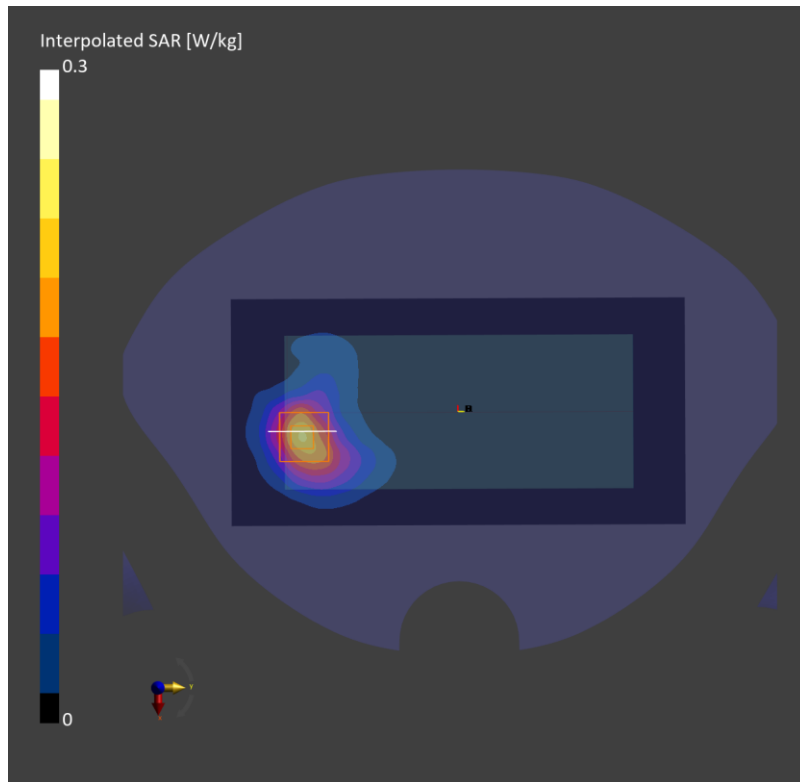
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7313, 2024-02-21 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.170 | 0.174 |
| psSAR10g [W/Kg] | 0.077 | 0.080 |
| Power Drift [dB] | 0.01 | |
| M2/M1 [%] | 79.6 | |
| Dist 3dB Peak [mm] | 11.7 | |



Measurement Report for SM_F956U, TILT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 662000 (3930.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | TILT, 0.00 | Band n77 | 5G NR FR1 TDD, 10866-AAF | 3930.0 | 6.53 | 3.31 | 36.6 |

Hardware Setup

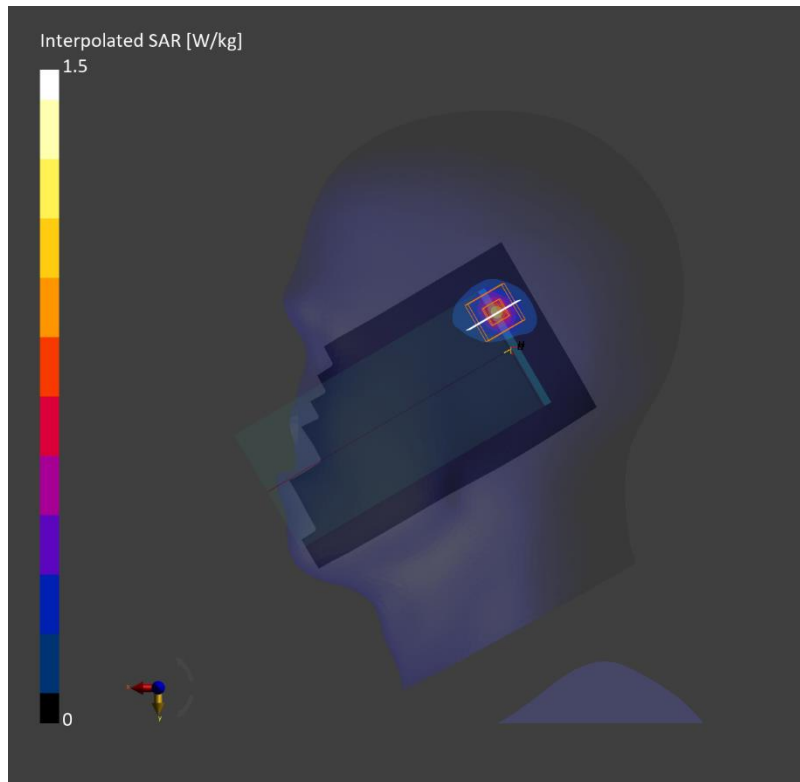
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.617 | 0.627 |
| psSAR10g [W/Kg] | 0.204 | 0.209 |
| Power Drift [dB] | | 0.06 |
| M2/M1 [%] | | 67.5 |
| Dist 3dB Peak [mm] | | 7.1 |



Measurement Report for SM_F956U, EDGE TOP, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 662000 (3930.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|----------|--------------------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | Band n77 | 5G NR FR1 TDD, 10866-AAF | 3930.0 | 6.53 | 3.32 | 37.0 |

Hardware Setup

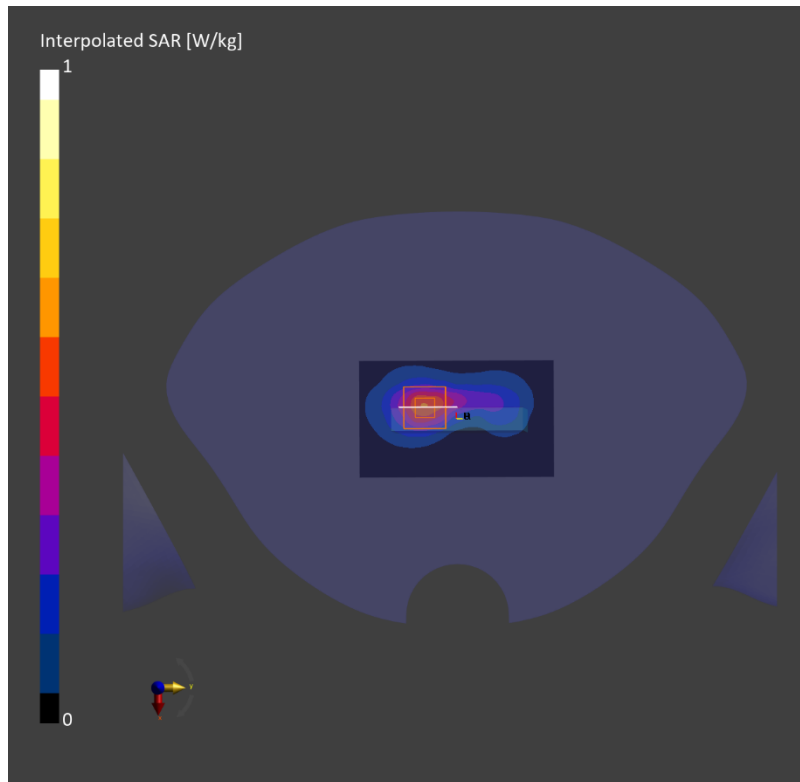
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.441 | 0.462 |
| psSAR10g [W/Kg] | 0.185 | 0.187 |
| Power Drift [dB] | -0.08 | |
| M2/M1 [%] | 73.0 | |
| Dist 3dB Peak [mm] | 9.9 | |



Measurement Report for SM_F956U, TILT, Custom Band, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 3500000 (3500.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|---------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | TILT, 0.00 | Custom Band | CW, 10866-AAF | 3500.0 | 6.7 | 2.86 | 37.9 |

Hardware Setup

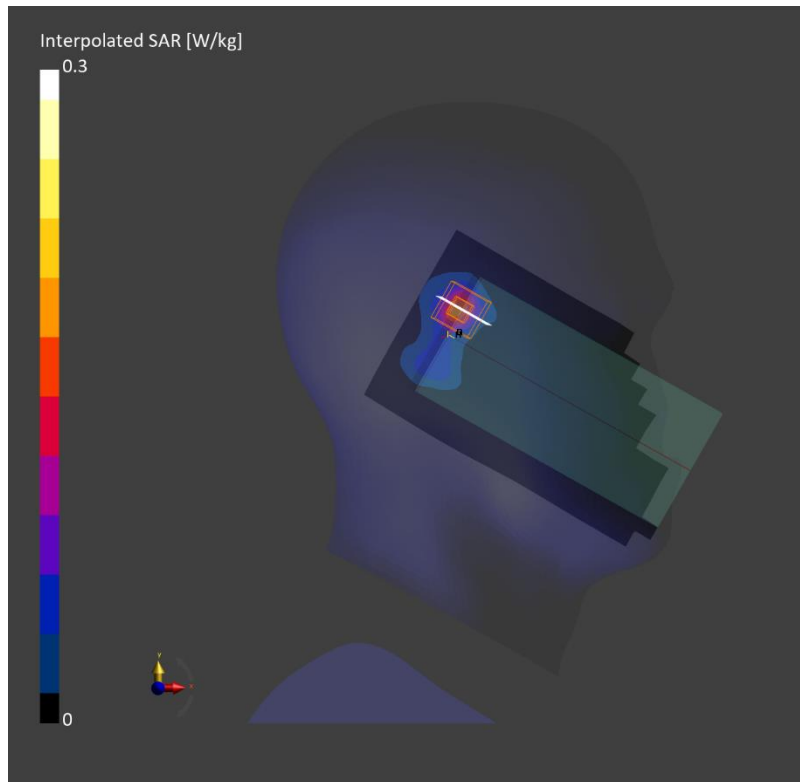
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.130 | 0.130 |
| psSAR10g [W/Kg] | 0.049 | 0.048 |
| Power Drift [dB] | | -0.13 |
| M2/M1 [%] | | 74.1 |
| Dist 3dB Peak [mm] | | 7.1 |



Measurement Report for SM_F956U, BACK, Custom Band, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 3930000 (3930.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | BACK, 10.00 | Custom Band | CW, 0-- | 3930.0 | 6.53 | 3.32 | 37.0 |

Hardware Setup

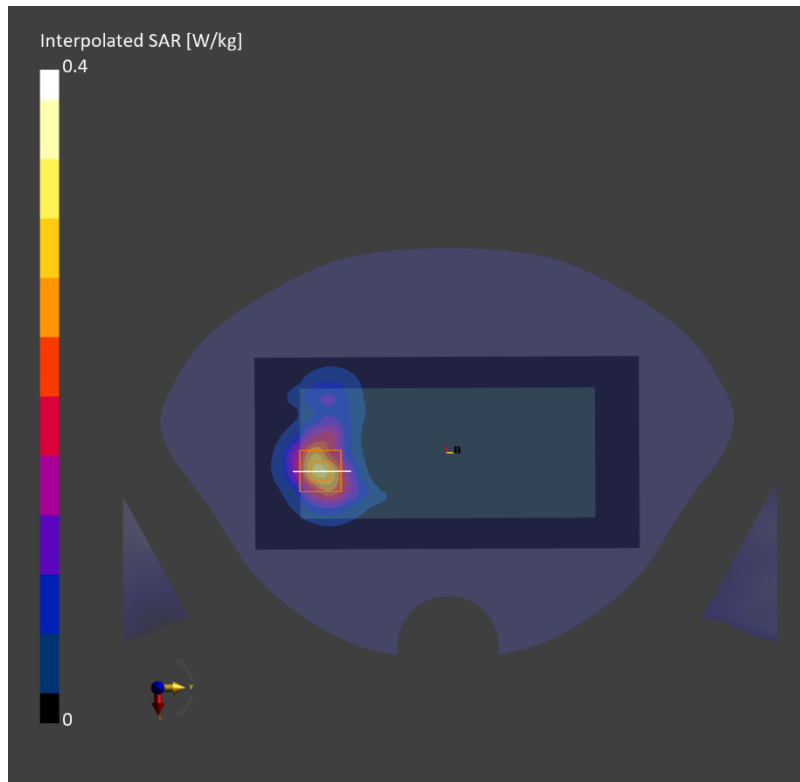
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2039 | HBBL-600-10000 | EX3DV4 - SN7646, 2024-03-15 | DAE4 Sn912, 2023-11-17 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 28.0 x 28.0 x 28.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.4 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.235 | 0.235 |
| psSAR10g [W/Kg] | 0.103 | 0.107 |
| Power Drift [dB] | | -0.17 |
| M2/M1 [%] | | 81.2 |
| Dist 3dB Peak [mm] | | 10.3 |



Measurement Report for SM_F956U, TILT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 1 (2412.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|-----------------|-----------------|-------------------|------------------------|------------------|
| RightHead, HSL | TILT, 0.00 | WLAN 2.4GHz | WLAN, 10415-AAA | 2412.0 | 7.61 | 1.82 | 39.3 |

Hardware Setup

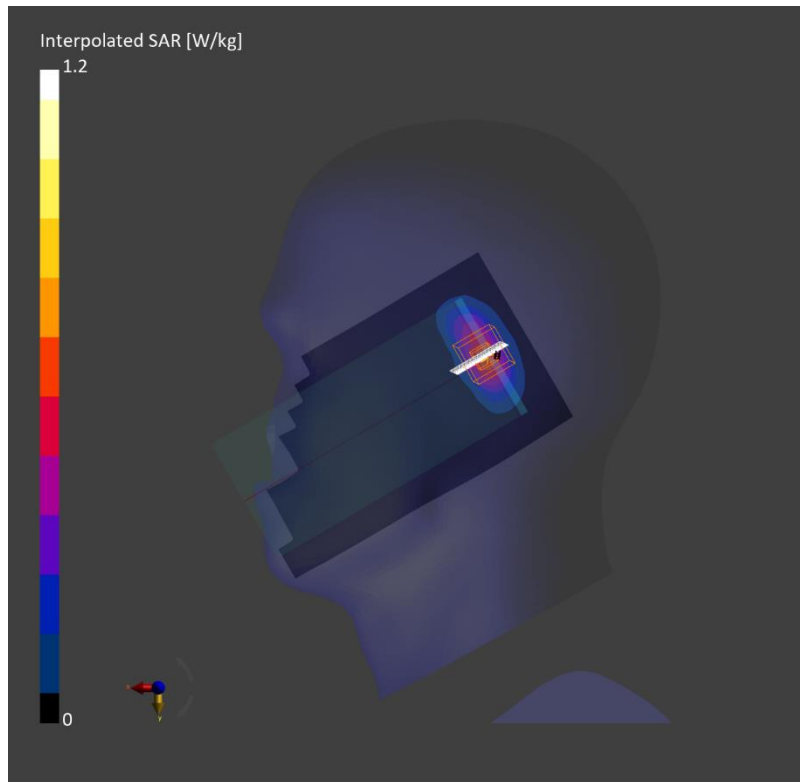
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.520 | 0.571 |
| psSAR10g [W/Kg] | 0.252 | 0.268 |
| Power Drift [dB] | 0.07 | |
| M2/M1 [%] | 79.9 | |
| Dist 3dB Peak [mm] | 7.1 | |



Measurement Report for SM_F956U, EDGE TOP, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 1 (2412.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|-----------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | WLAN 2.4GHz | WLAN, 10415-AAA | 2412.0 | 7.61 | 1.71 | 40.5 |

Hardware Setup

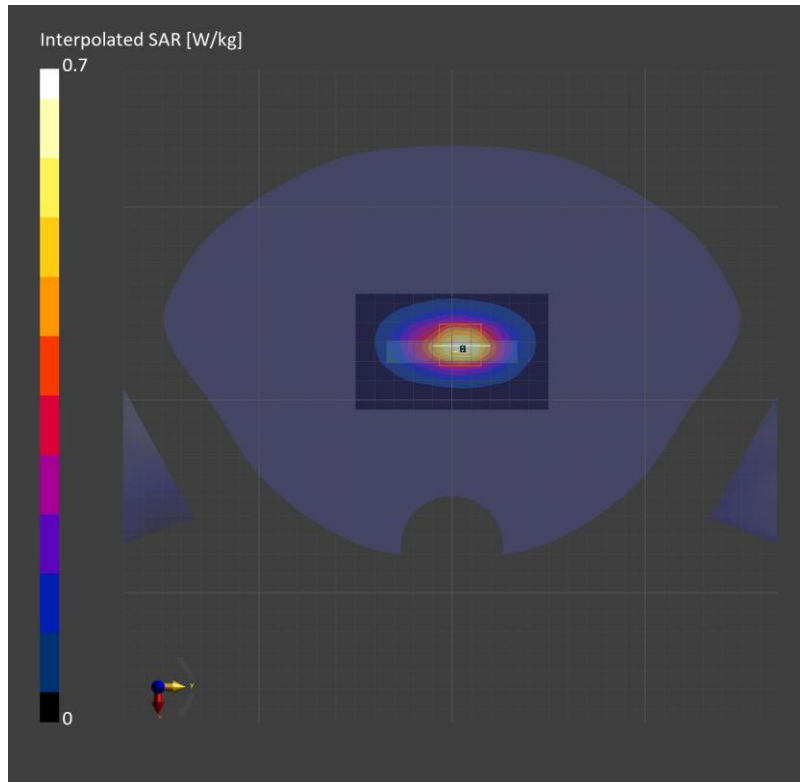
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.501 | 0.516 |
| psSAR10g [W/Kg] | 0.252 | 0.259 |
| Power Drift [dB] | 0.10 | |
| M2/M1 [%] | 82.1 | |
| Dist 3dB Peak [mm] | 11.0 | |



Measurement Report for SM_F956U, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 1 (2412.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|-----------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | WLAN 2.4GHz | WLAN, 10415-AAA | 2412.0 | 7.61 | 1.82 | 39.3 |

Hardware Setup

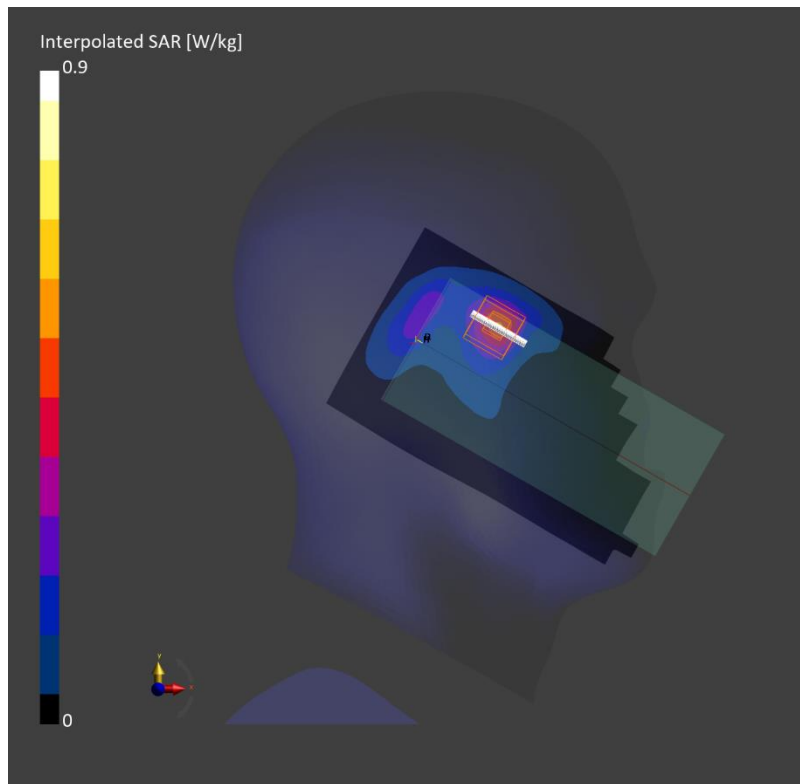
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.408 | 0.443 |
| psSAR10g [W/Kg] | 0.200 | 0.216 |
| Power Drift [dB] | 0.00 | |
| M2/M1 [%] | 84.5 | |
| Dist 3dB Peak [mm] | 10.0 | |



Measurement Report for SM_F956U, EDGE TOP, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 1 (2412.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-------------|-----------------|-----------------|-------------------|------------------------|------------------|
| Flat, HSL | EDGE TOP, 10.00 | WLAN 2.4GHz | WLAN, 10415-AAA | 2412.0 | 7.61 | 1.80 | 38.1 |

Hardware Setup

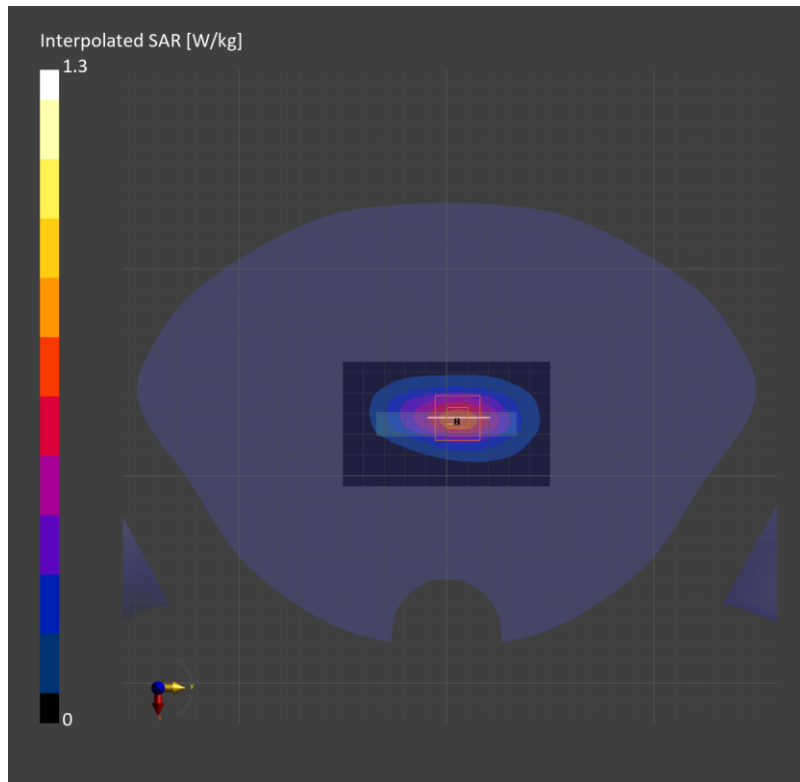
| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2038 | HBBL-600-10000 | EX3DV4 - SN7376, 2023-07-25 | DAE4 Sn1670, 2023-05-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|--------------|--------------------|
| Grid Extents [mm] | 60.0 x 100.0 | 30.0 x 30.0 x 30.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 5.0 x 5.0 x 1.5 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.587 | 0.600 |
| psSAR10g [W/Kg] | 0.298 | 0.299 |
| Power Drift [dB] | | -0.02 |
| M2/M1 [%] | | 80.2 |
| Dist 3dB Peak [mm] | | 11.0 |



Measurement Report for SM_F956U, CHEEK, WLAN 5GHz, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle), Channel 54 (5270.0 MHz)

Exposure Conditions

| Phantom Section, TSL | Position, Test Distance [mm] | Band | Group, UID | Frequency [MHz] | Conversion Factor | TSL Conductivity [S/m] | TSL Permittivity |
|----------------------|------------------------------|-----------|-----------------|-----------------|-------------------|------------------------|------------------|
| LeftHead, HSL | CHEEK, 0.00 | WLAN 5GHz | WLAN, 10599-AAD | 5270.0 | 5.24 | 4.62 | 35.6 |

Hardware Setup

| Phantom | TSL (Tissue Simulating Liquid) | Probe, Calibration Date | DAE, Calibration Date |
|---|--------------------------------|-----------------------------|-------------------------|
| Twin-SAM V8.0 (30deg probe tilt) - 2046 | HBBL-600-10000 | EX3DV4 - SN7313, 2024-02-21 | DAE4 Sn1468, 2023-08-24 |

Scans Setup

| | Area Scan | Zoom Scan |
|---------------------|---------------|--------------------|
| Grid Extents [mm] | 100.0 x 200.0 | 22.0 x 22.0 x 22.0 |
| Grid Steps [mm] | 10.0 x 10.0 | 2.4 x 2.4 x 1.2 |
| Sensor Surface [mm] | 3.0 | 1.4 |

Measurement Results

| | Area Scan | Zoom Scan |
|--------------------|-----------|-----------|
| psSAR1g [W/Kg] | 0.327 | 0.426 |
| psSAR10g [W/Kg] | 0.098 | 0.110 |
| Power Drift [dB] | | -0.16 |
| M2/M1 [%] | | 67.9 |
| Dist 3dB Peak [mm] | | 3.7 |

