

GSM 850

Frequency: 848.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.287$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 848.8 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Touch GPRS 2slot ch.251/ Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.393 W/kg

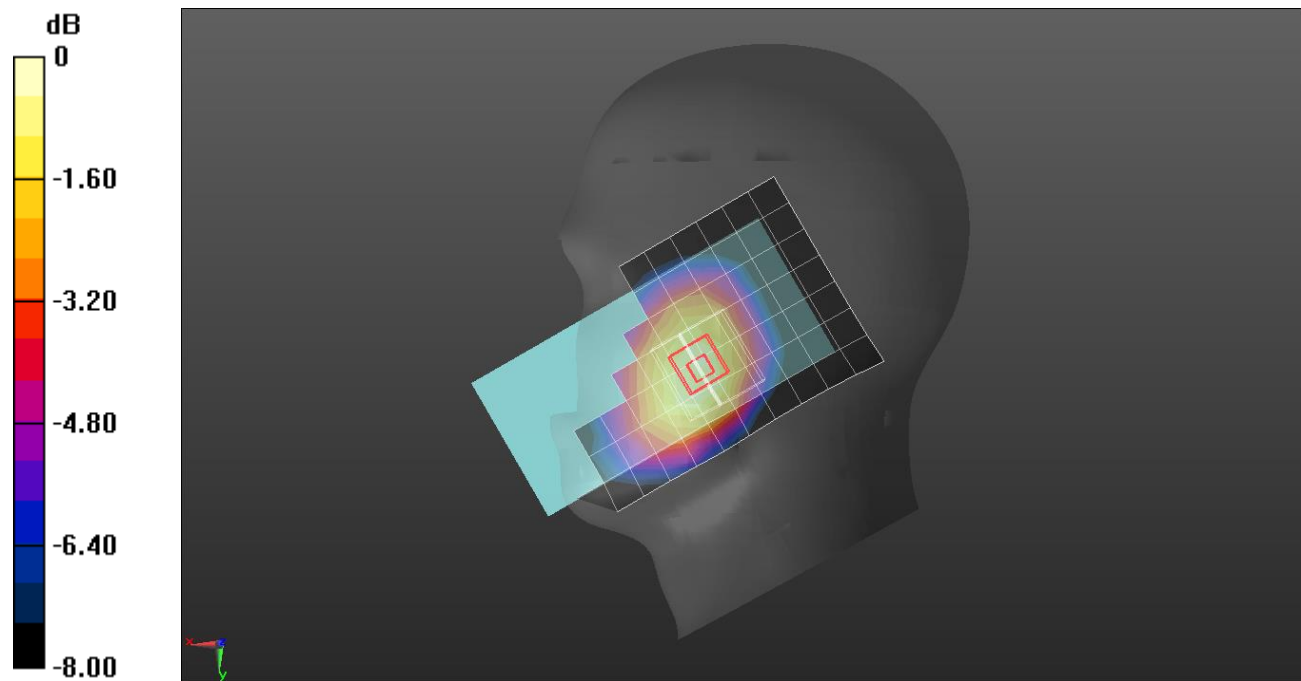
RHS/Touch GPRS 2slot ch.251/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.78 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg = -3.72 dBW/kg

GSM 850

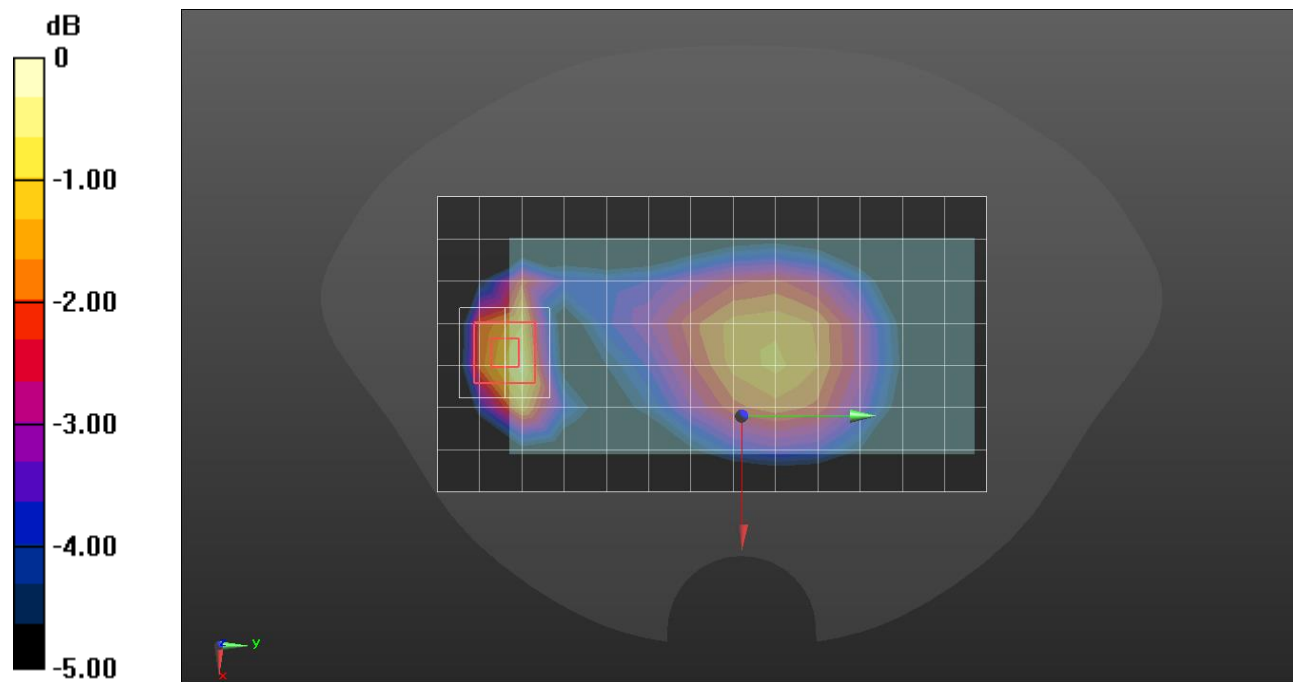
Frequency: 848.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.287$; $\rho = 1000$ kg/m³

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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 848.8 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/GPRS 2 slots ch.251/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.612 W/kg

Rear/GPRS 2 slots ch.251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 23.63 V/m; Power Drift = -0.15 dB
 Peak SAR (extrapolated) = 0.806 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.272 W/kg
 Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.682 W/kg = -1.66 dBW/kg

GSM 850

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.31$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/GPRS 2 slots ch.190/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.13 W/kg

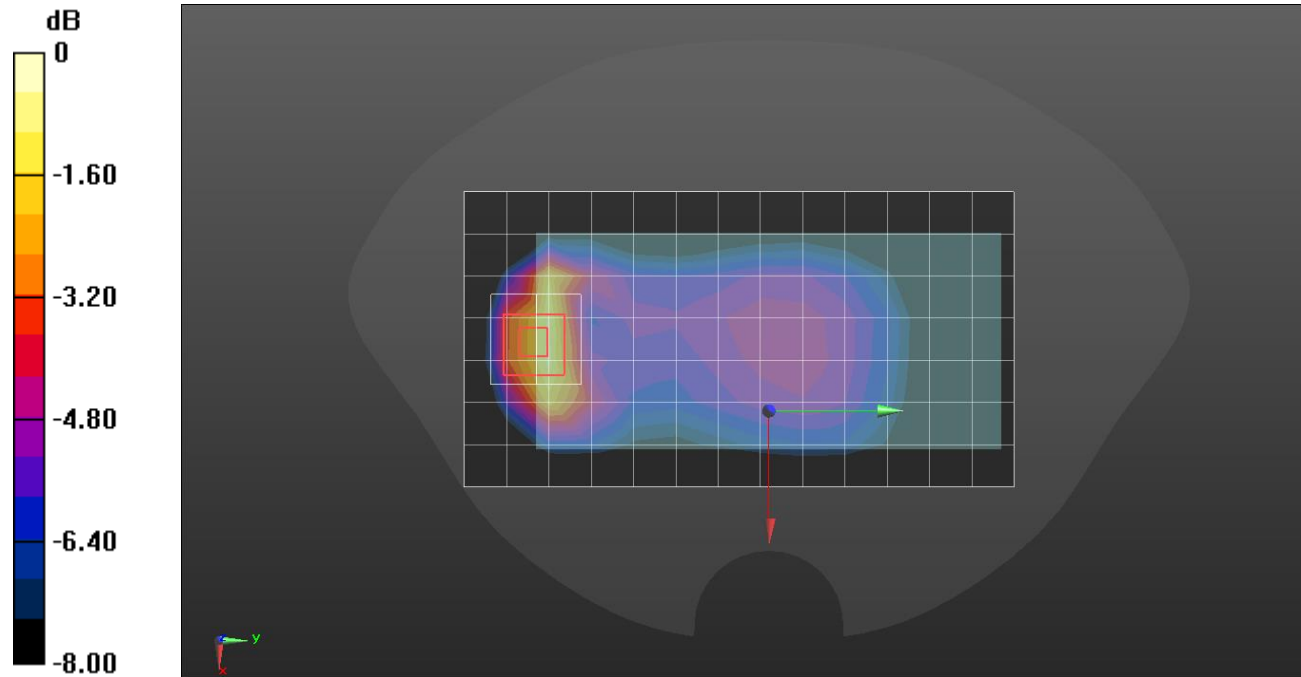
Rear/GPRS 2 slots ch.190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.52 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.476 W/kg

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



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

GSM 1900

Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1909.8 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

LHS/Touch GPRS 2slots ch.810/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.148 W/kg

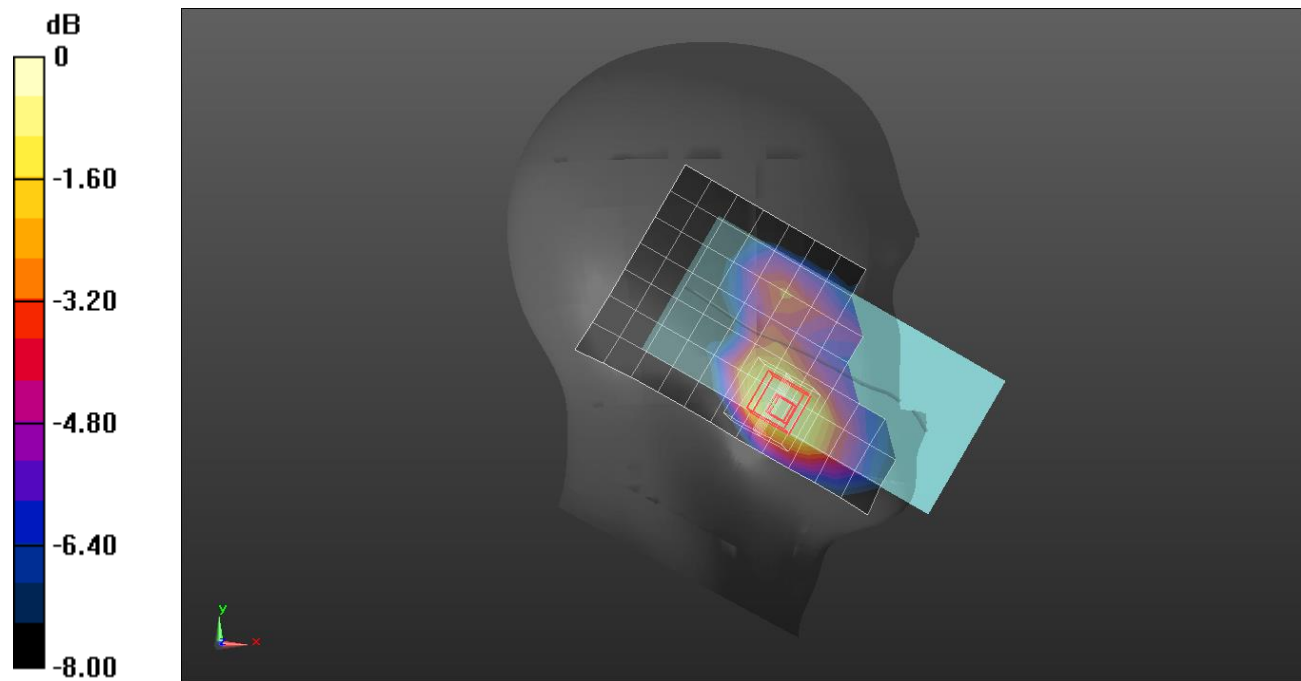
LHS/Touch GPRS 2slots ch.810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.611 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.171 W/kg = -7.67 dBW/kg

GSM 1900

Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1909.8 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/GPRS 2 slots ch.810/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.299 W/kg

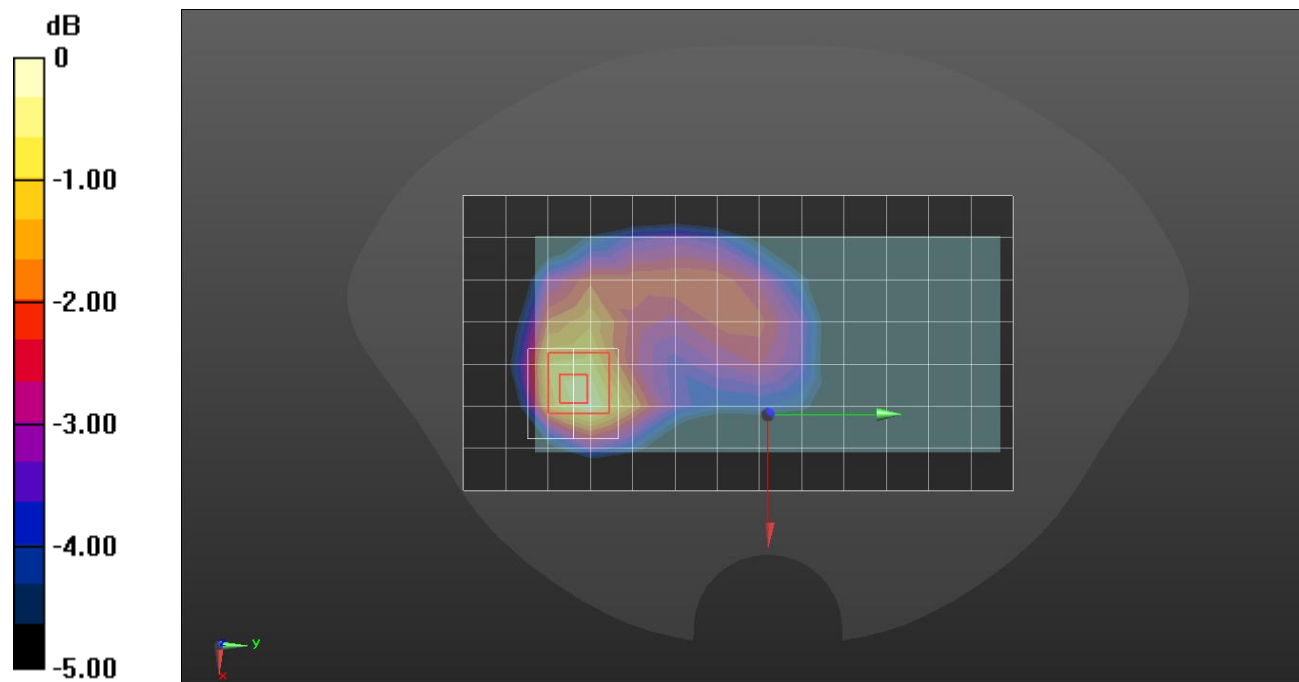
Rear/GPRS 2 slots ch.810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.314 W/kg



0 dB = 0.314 W/kg = -5.03 dBW/kg

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/GPRS 2 slots ch.661/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.216 W/kg

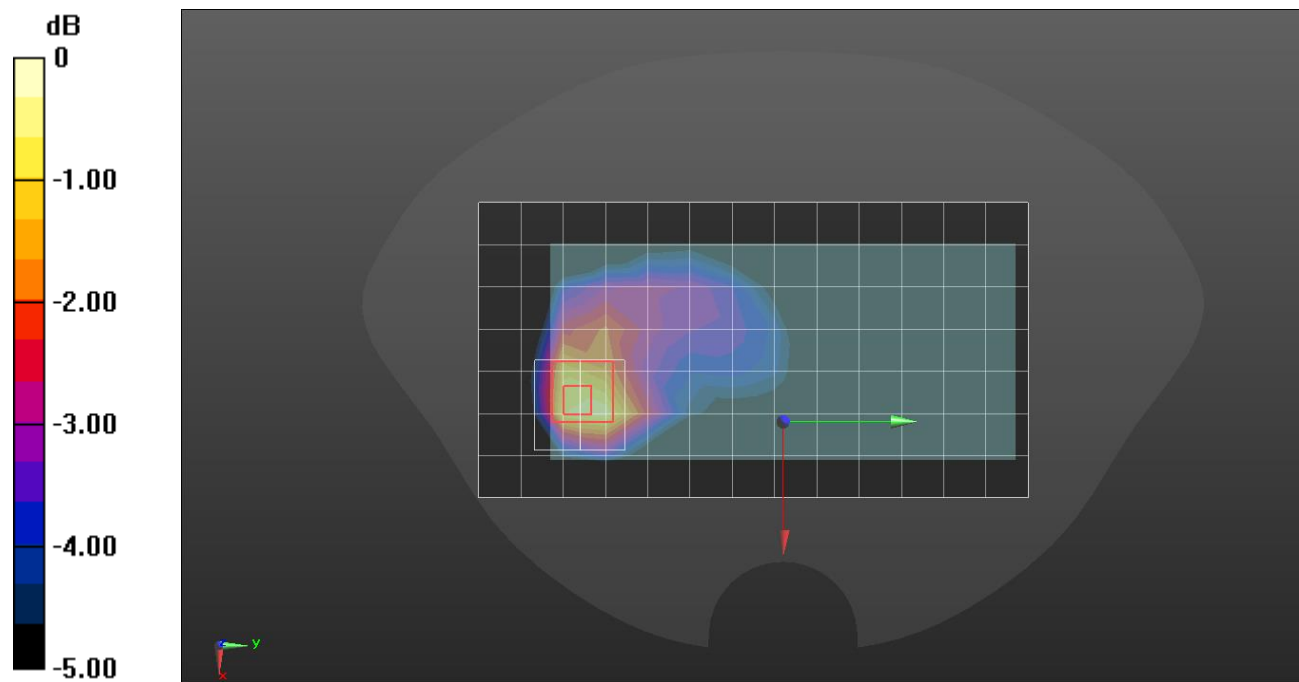
Rear/GPRS 2 slots ch.661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.53 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

RHS/Touch Rel.99 ch.9400/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.208 W/kg

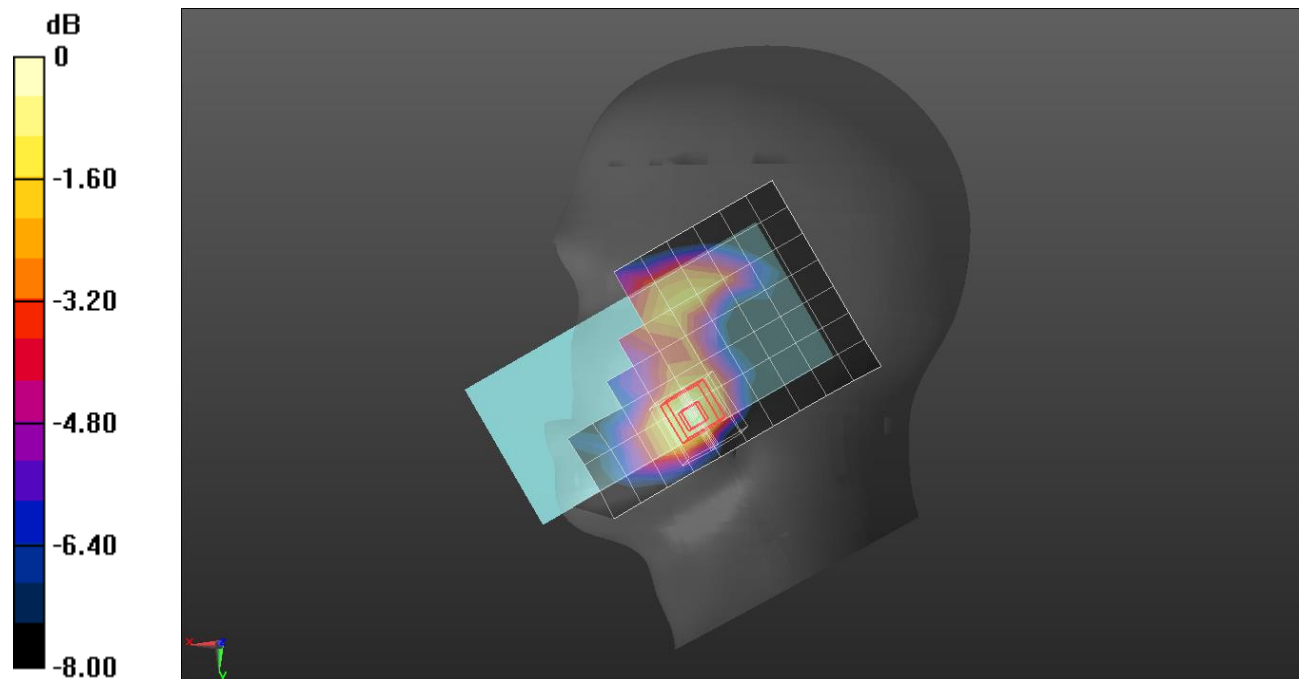
RHS/Touch Rel.99 ch.9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.26 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/Rel.99 ch.9400/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.469 W/kg

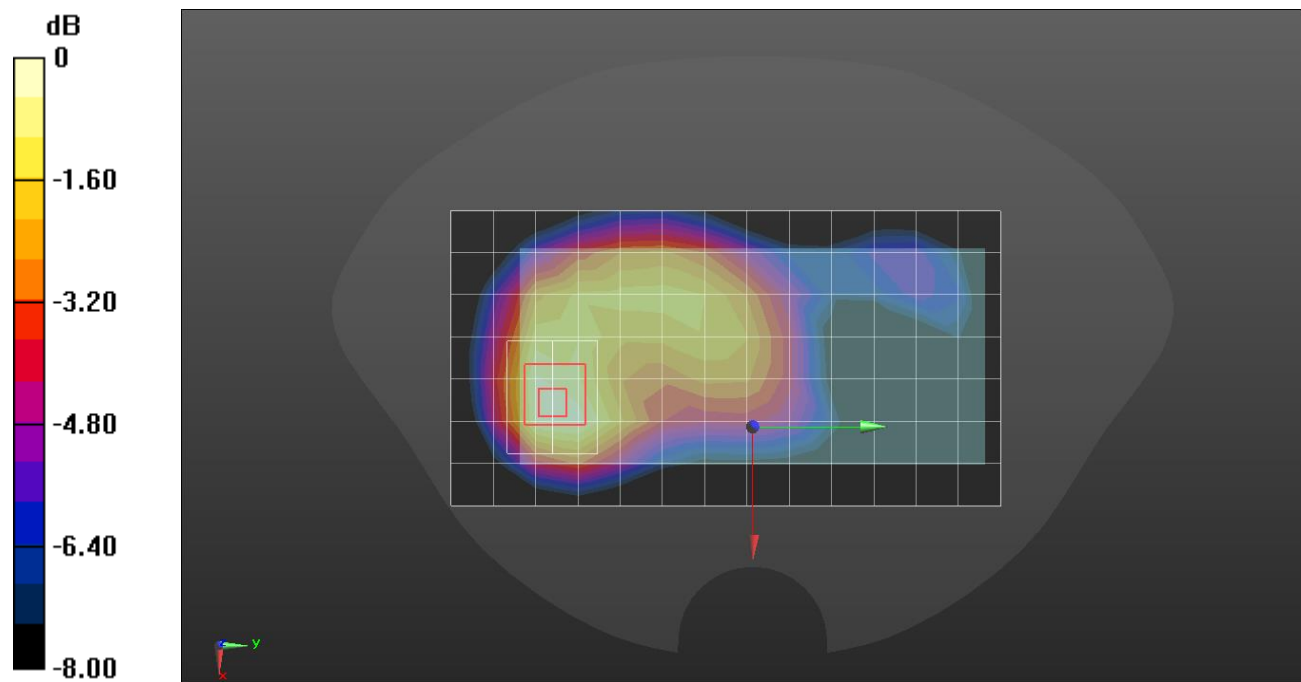
Rear/Rel.99 ch.9400/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.57 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.488 W/kg



0 dB = 0.488 W/kg = -3.12 dBW/kg

W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 39.023$; $\rho = 1000 \text{ kg/m}^3$

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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/Rel.99 ch.9400/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.460 W/kg

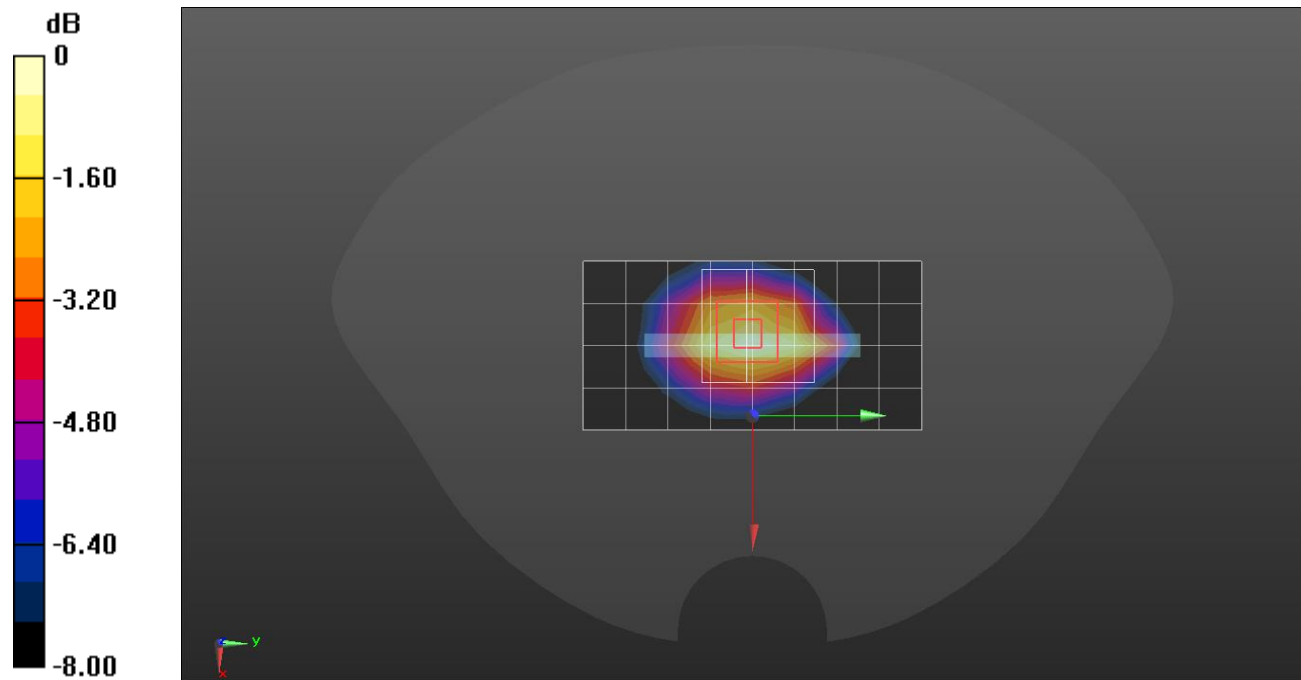
Edge 3/Rel.99 ch.9400/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.82 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg = -3.37 dBW/kg

Measurement Report for Device, Right Touch, WCDMA Band IV, UTRA/FDD, UID 10011 CAB, Channel 1413 (1732.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 4, UTRA/FDD	WCDMA, 10011-CAB	1732.6,1413	9.23	1.34	40.6

Hardware Setup

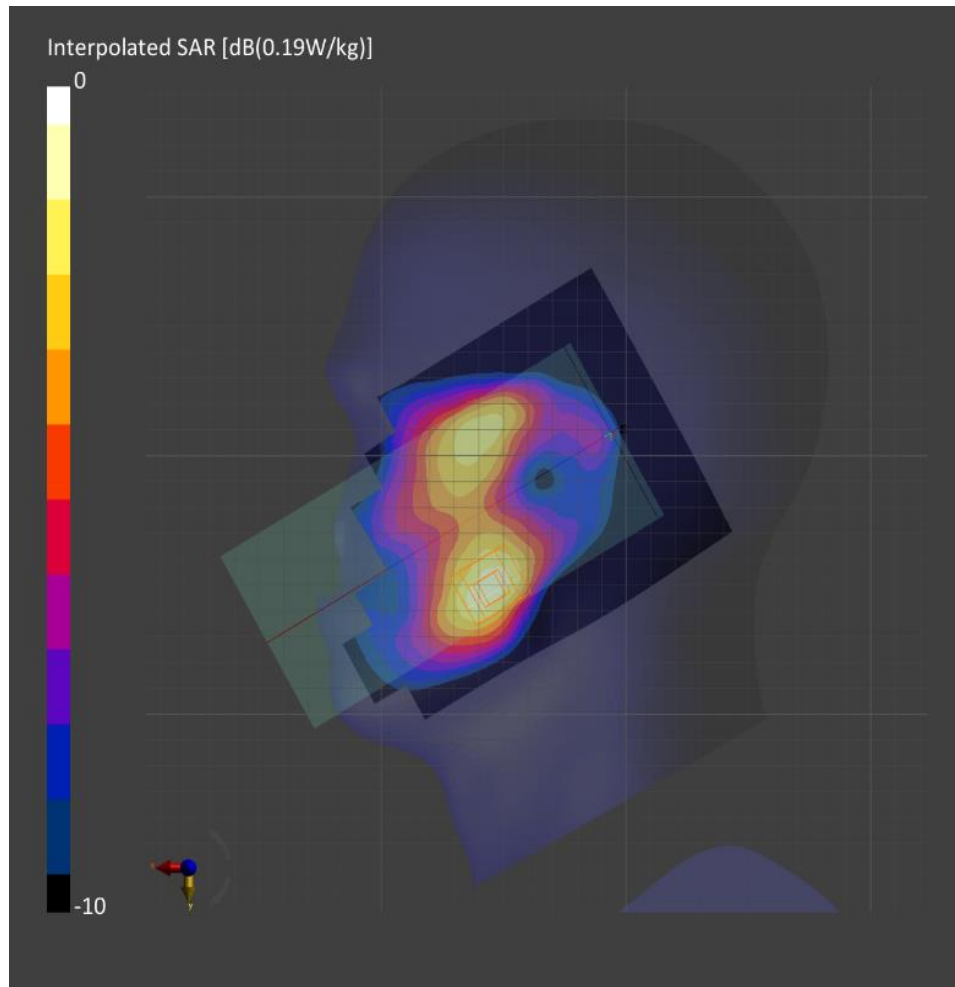
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-10	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-10	2022-06-10
psSAR1g [W/kg]	0.119	0.126
psSAR10g [W/kg]	0.070	0.078
Power Drift [dB]		-0.02



Measurement Report for Device, BACK, WCDMA Band IV, UTRA/FDD, UID 10011 CAB, Channel 1413 (1732.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band 4, UTRA/FDD	WCDMA, 10011-CAB	1732.6, 1413	9.23	1.34	40.6

Hardware Setup

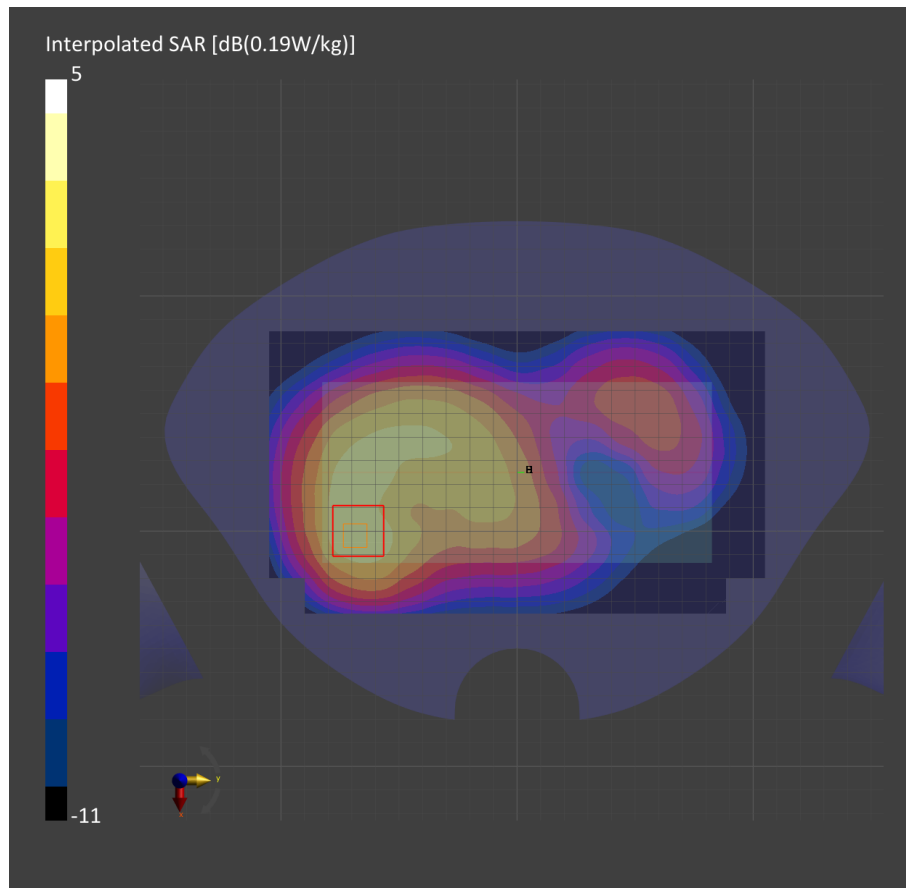
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-10	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-10	2022-06-10
psSAR1g [W/kg]	0.258	0.256
psSAR10g [W/kg]	0.158	0.156
Power Drift [dB]		-0.03



W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 39.053$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(8.37, 8.37, 8.37) @ 1732.6 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/Rel.99 ch.1413/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

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

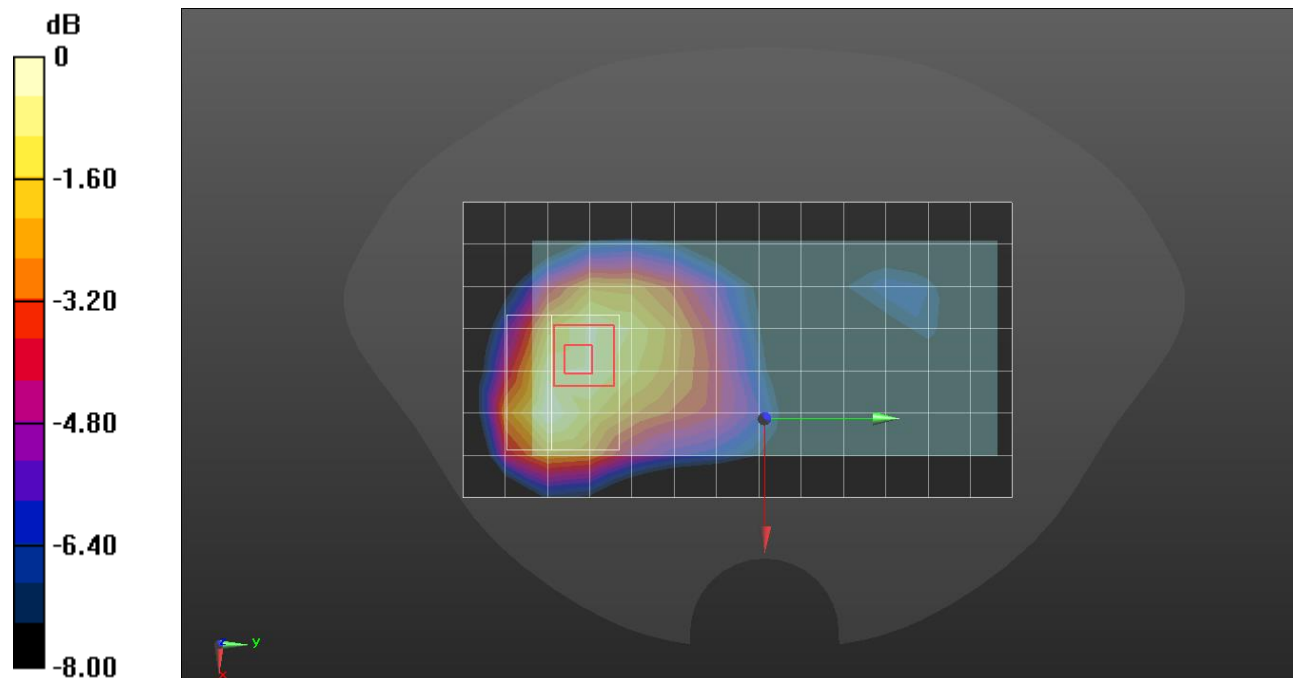
Rear/Rel.99 ch.1413/Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.52 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.497 W/kg



0 dB = 0.497 W/kg = -3.04 dBW/kg

W-CDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.31$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Touch Rel.99 ch.4183/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 W/kg

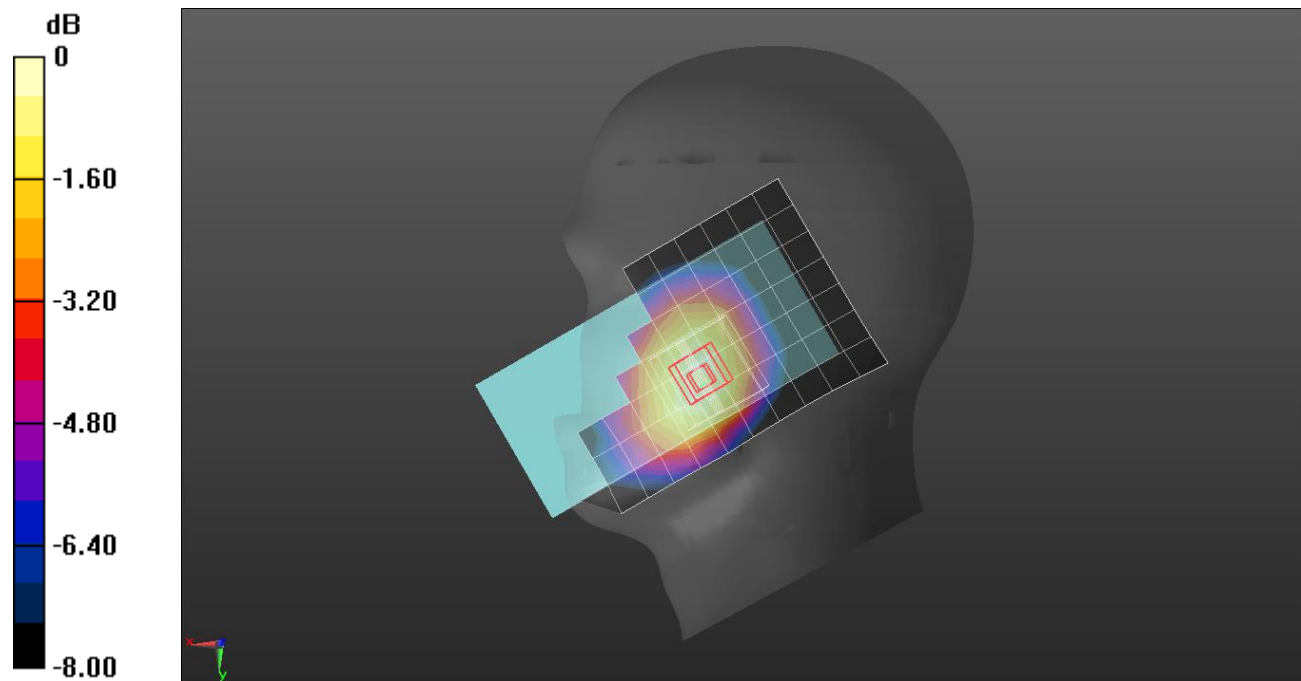
RHS/Touch Rel.99 ch.4183/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.83 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

W-CDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 42.782$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/Rel.99 ch.4183/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.396 W/kg

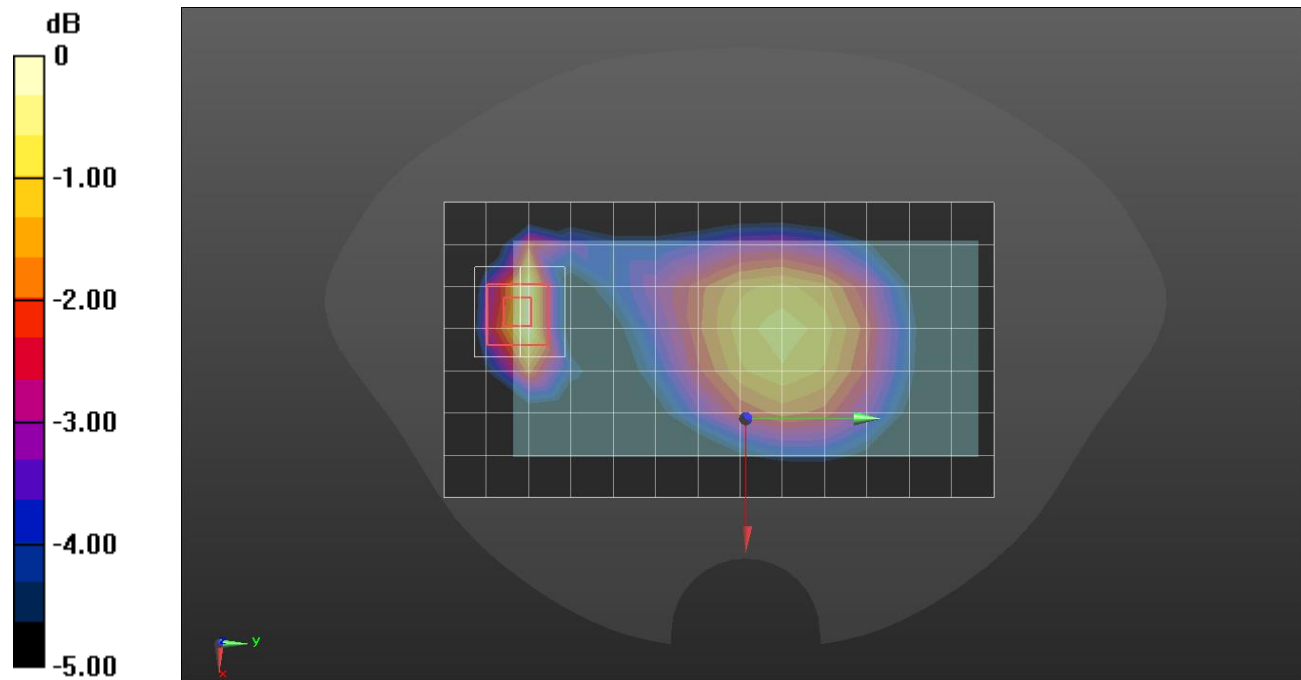
Rear/Rel.99 ch.4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.31 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.427 W/kg = -3.70 dBW/kg

W-CDMA Band V

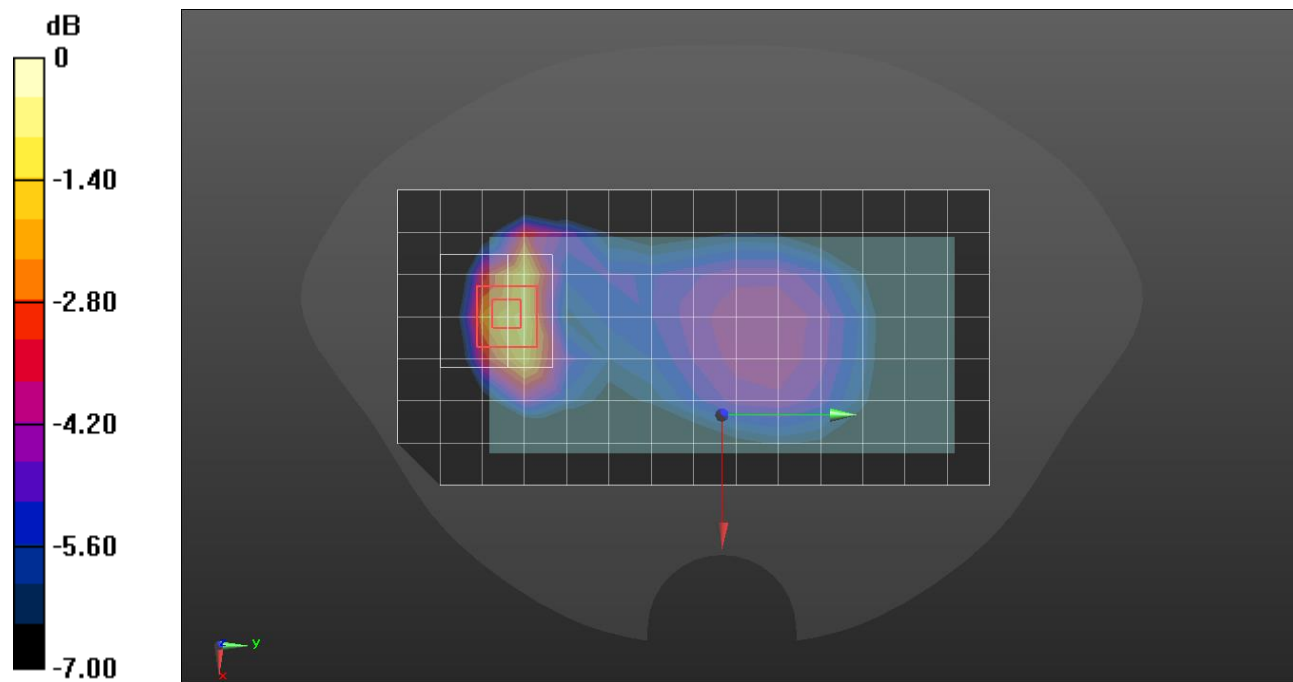
Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.31$; $\rho = 1000$ kg/m³

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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/Rel.99 ch.4183/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.806 W/kg

Rear/Rel.99 ch.4183/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 30.39 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.363 W/kg
 Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

Measurement Report for Device, Left Touch, LTE Band 7, E-UTRA/FDD, UID 10297 AAD, Channel 21100 (2535.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band 7, E-UTRA/FDD	LTE-FDD, 10297-AAD	2535.0, 21100	8.05	1.96	39.8

Hardware Setup

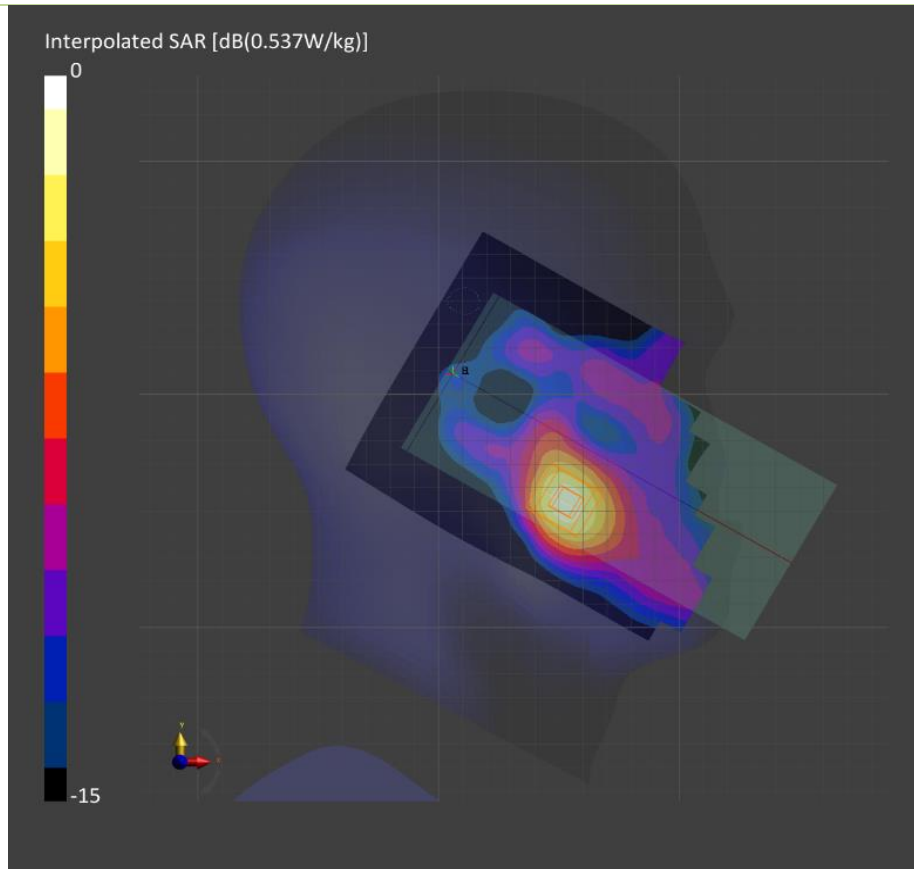
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-08	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-09	2022-06-09
psSAR1g [W/kg]	0.288	0.298
psSAR10g [W/kg]	0.144	0.152
Power Drift [dB]		0.01



Measurement Report for Device, Rear, LTE Band 7, E-UTRA/FDD, UID 10297 AAD, Channel 21100 (2535.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band 7, E-UTRA/FDD	LTE-FDD, 10297-AAD	2535.0, 21100	8.05	1.96	39.8

Hardware Setup

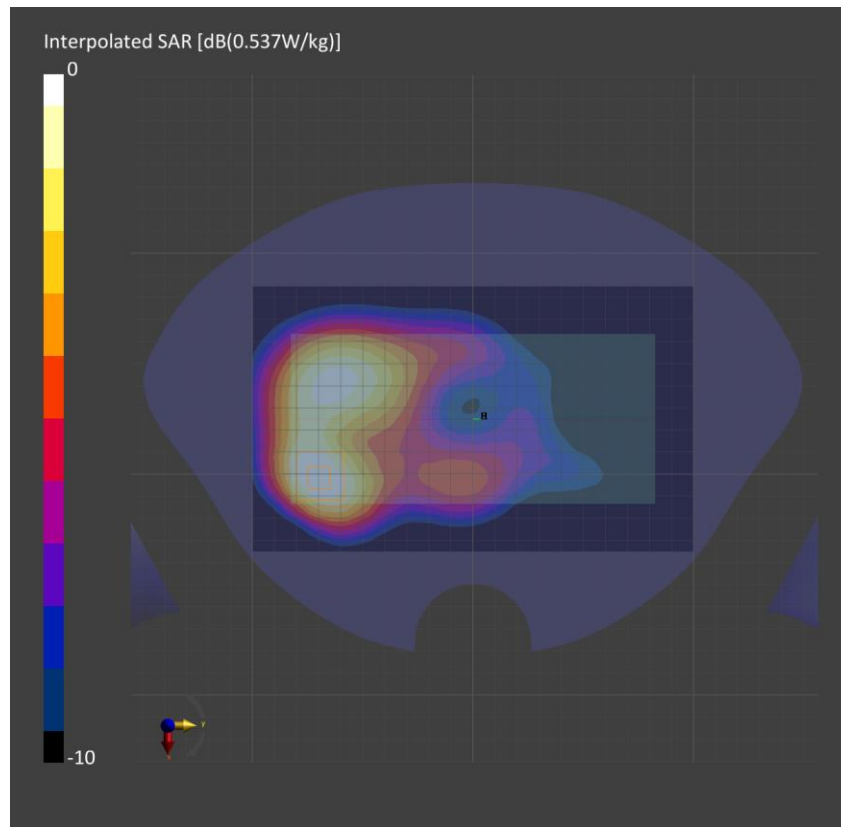
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-08	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-09	2022-06-09
psSAR1g [W/kg]	0.454	0.447
psSAR10g [W/kg]	0.240	0.233
Power Drift [dB]		-0.00



LTE Band 7

Frequency: 2535 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2535 \text{ MHz}$; $\sigma = 1.88 \text{ S/m}$; $\epsilon_r = 37.677$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.3, 7.3, 7.3) @ 2535 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/QPSK RB 1/0 ch.21100/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.923 W/kg

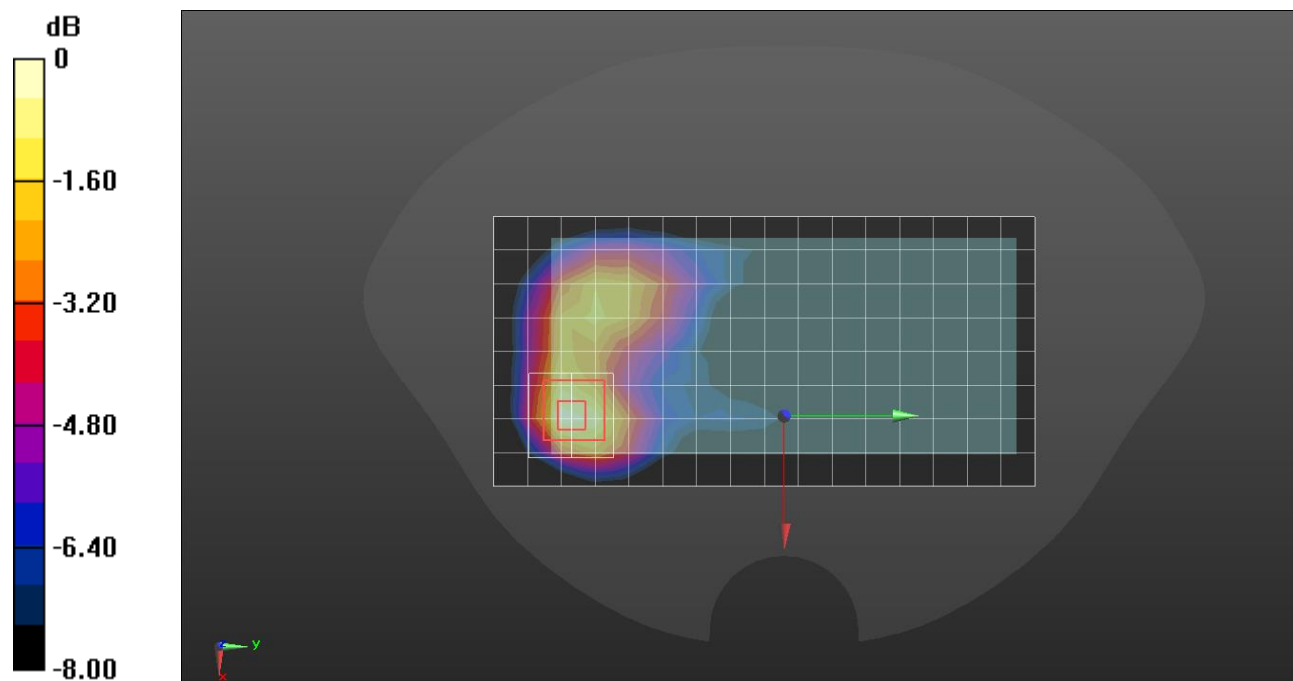
Rear/QPSK RB 1/0 ch.21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.08 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg = -0.20 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.443$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 707.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS /Touch QPSK 1/49 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.226 W/kg

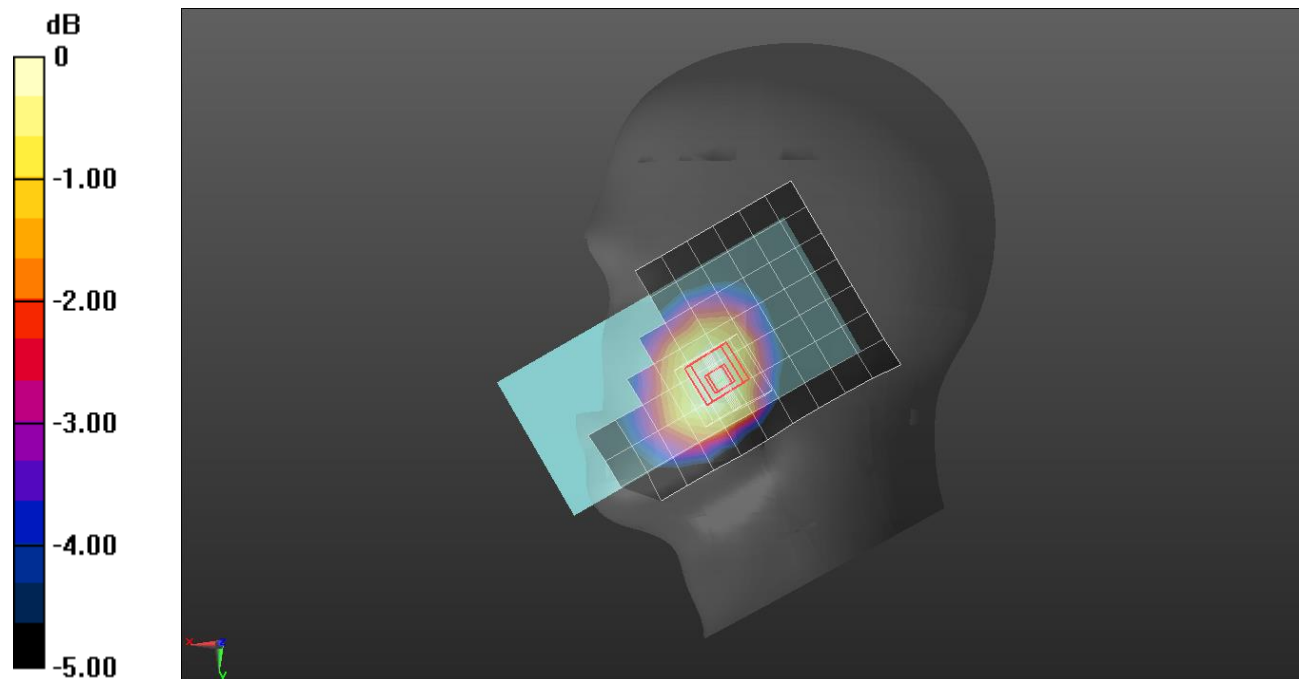
RHS /Touch QPSK 1/49 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.03 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.443$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 707.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/QPSK RB 1/49 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.386 W/kg

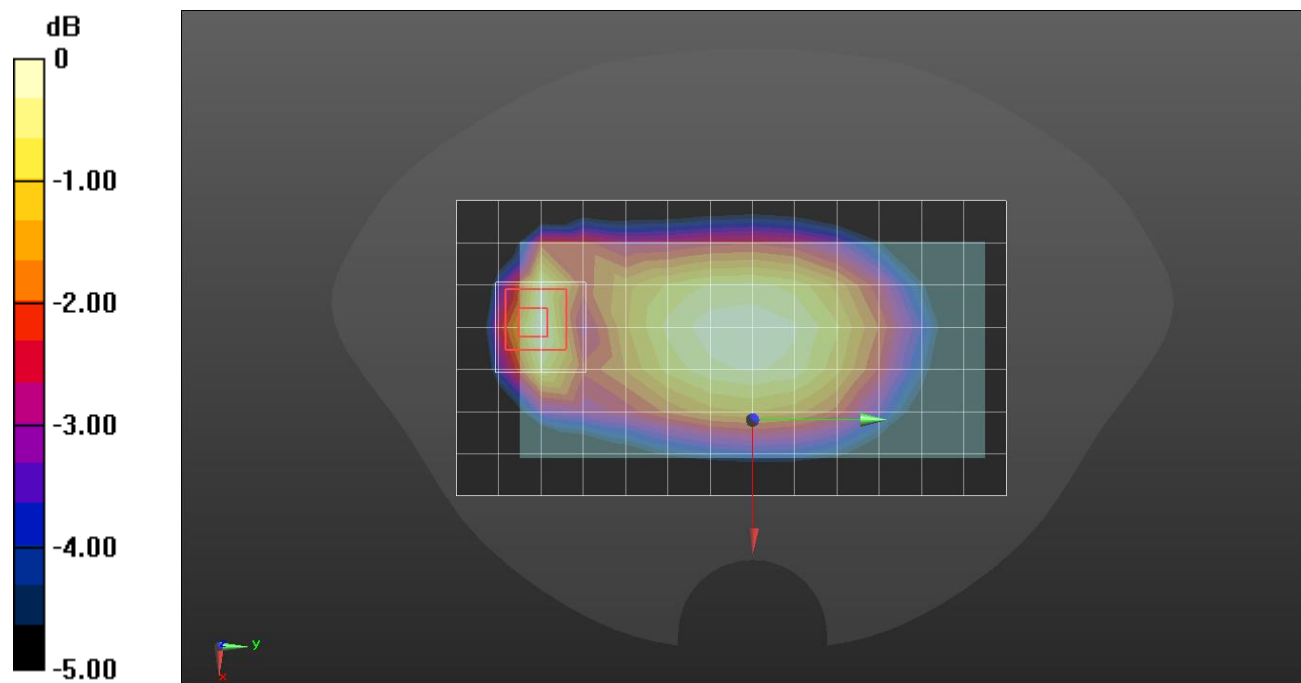
Rear/QPSK RB 1/49 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.09 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.443$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 707.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear /QPSK RB 1/49 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.860 W/kg

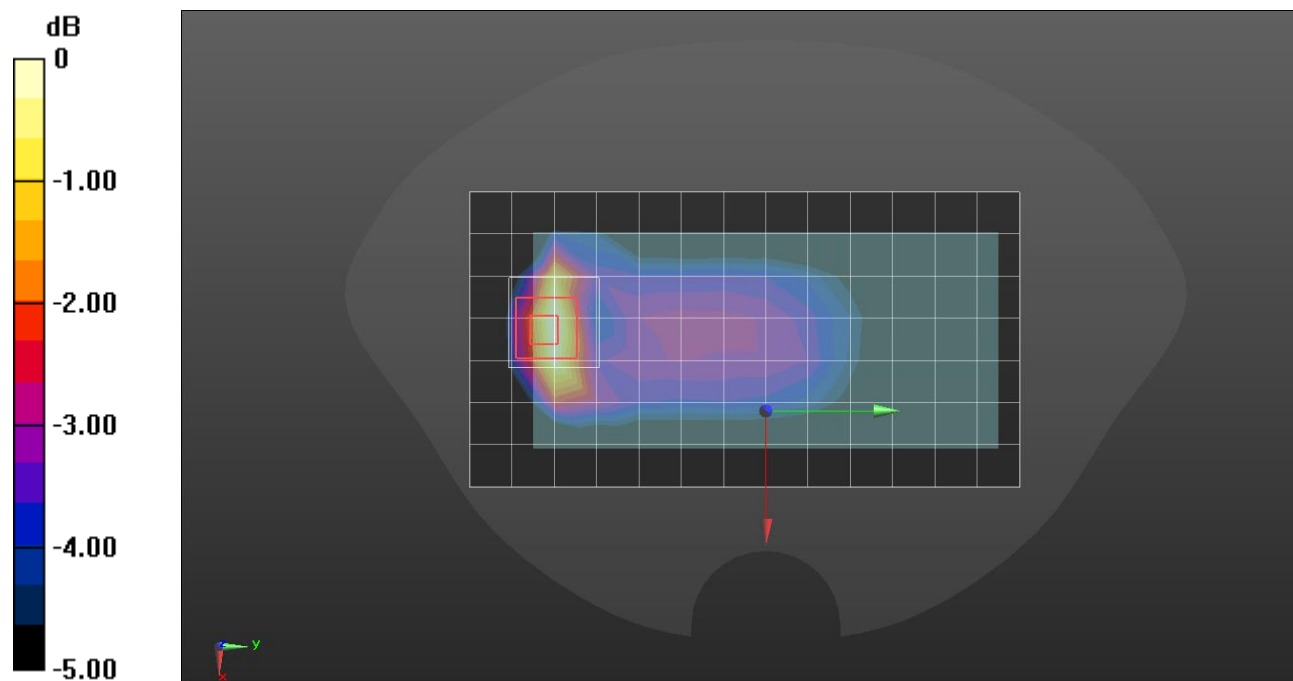
Rear /QPSK RB 1/49 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.56 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.821 W/kg = -0.86 dBW/kg

LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 41.437$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 782 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS /Touch QPSK 1/25 ch.23230/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.273 W/kg

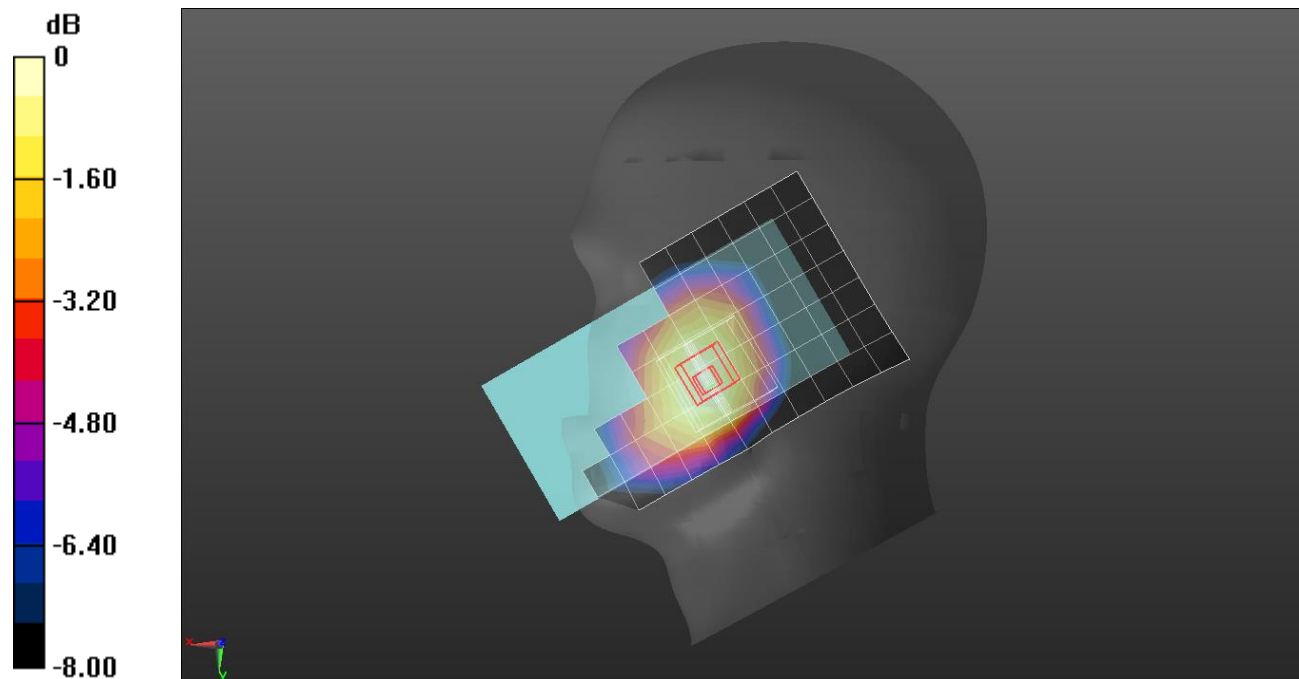
RHS /Touch QPSK 1/25 ch.23230//Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.85 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 41.437$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 782 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/QPSK RB 1/25 ch.23230/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.442 W/kg

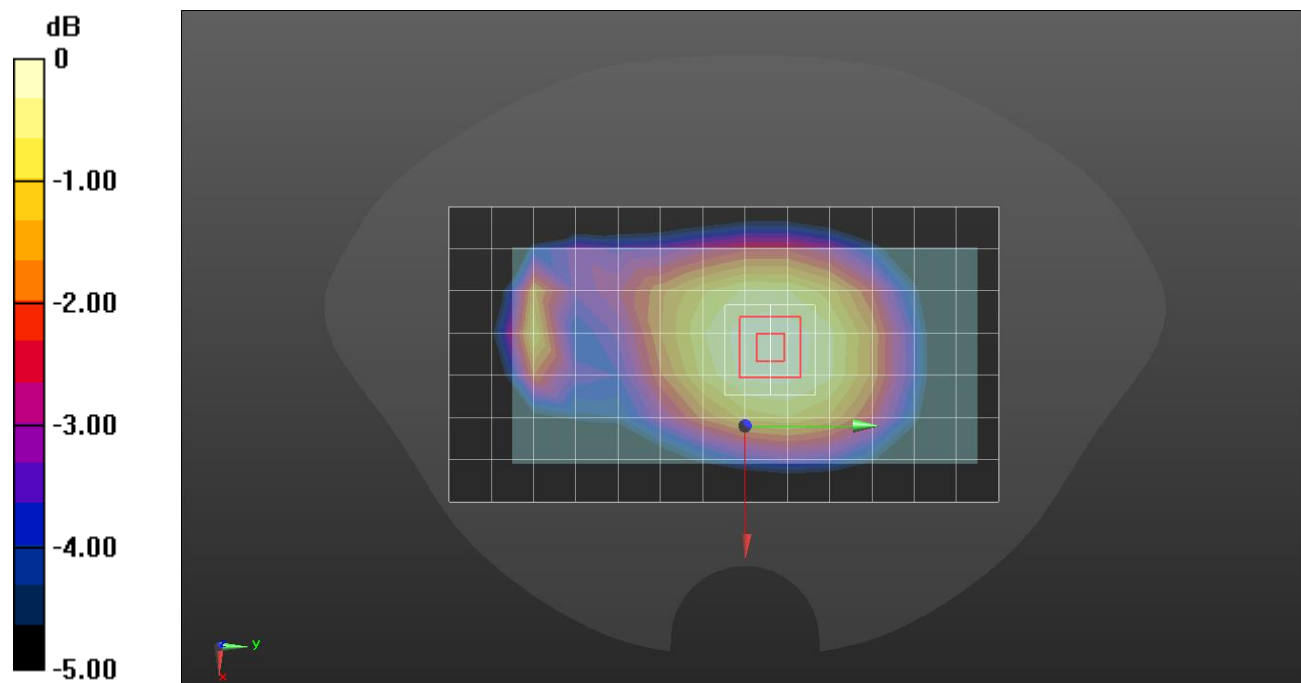
Rear/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 20.81 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 41.437$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 782 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/QPSK RB 1/25 ch.23230/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.857 W/kg

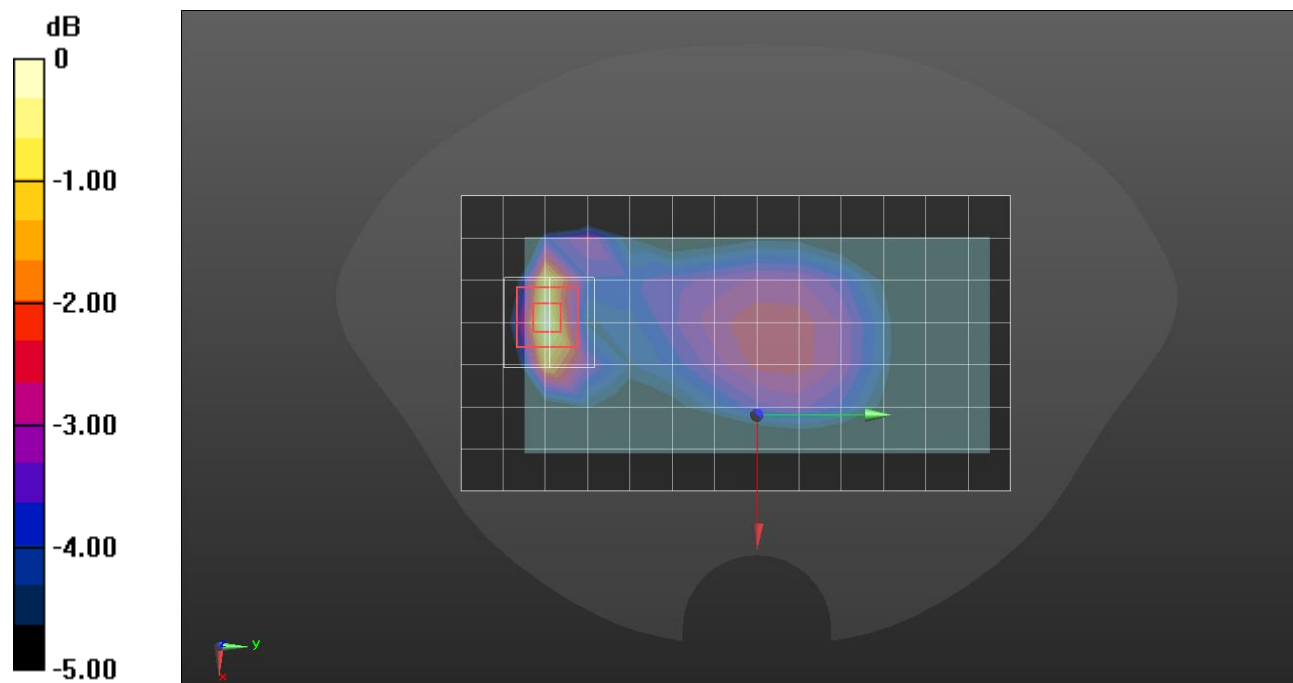
Rear/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 27.67 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.539 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 0.859 W/kg



0 dB = 0.859 W/kg = -0.66 dBW/kg

LTE Band 14

Frequency: 793 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 793$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 41.406$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 793 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS /Touch QPSK 1/25 ch.23330/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.247 W/kg

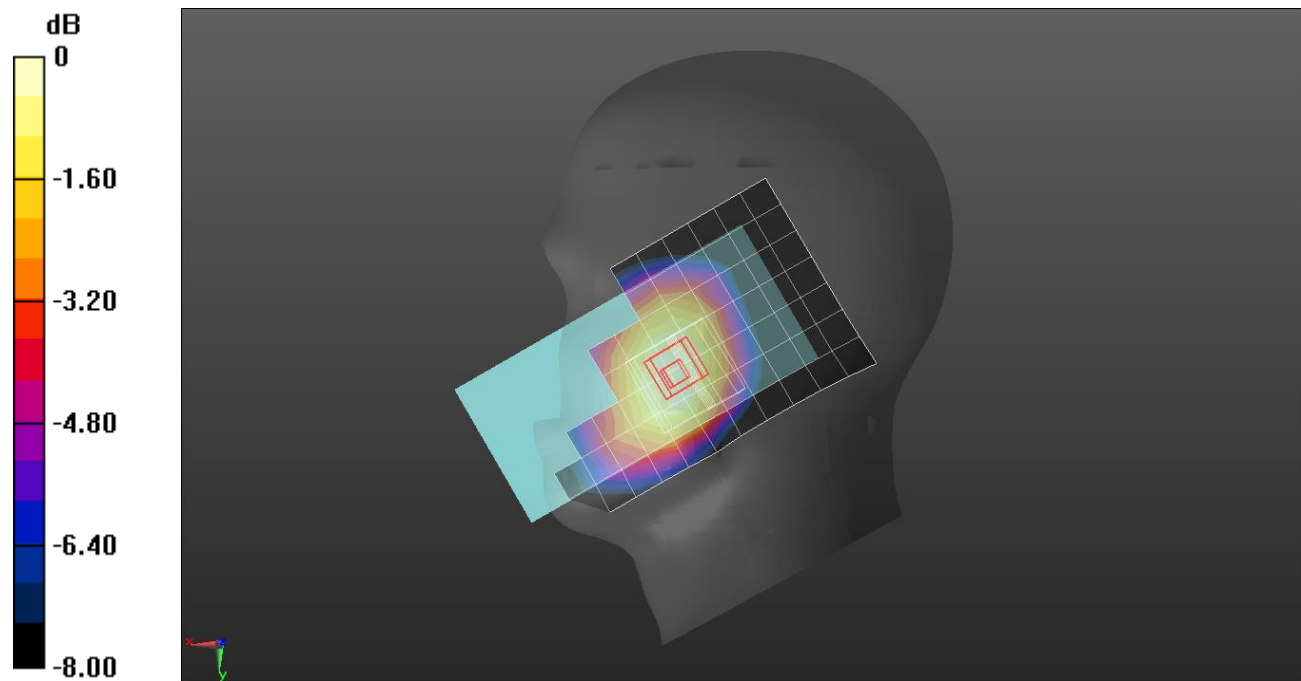
RHS /Touch QPSK 1/25 ch.23330/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.25 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

LTE Band 14

Frequency: 793 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 793$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 41.406$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 793 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear /QPSK RB 1/25 ch.23330/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.412 W/kg

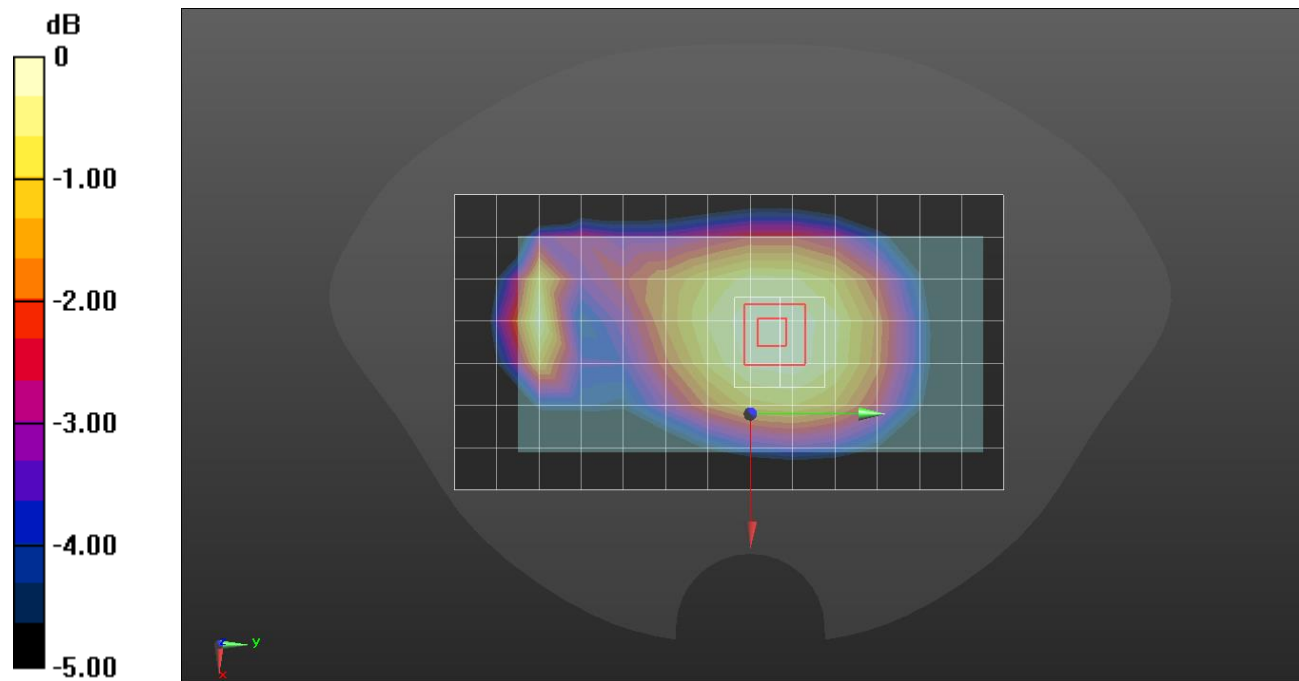
Rear /QPSK RB 1/25 ch.23330/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.419 W/kg = -3.78 dBW/kg

LTE Band 14

Frequency: 793 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 793$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 41.406$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 793 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear /QPSK RB 25/25 ch.23330/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.736 W/kg

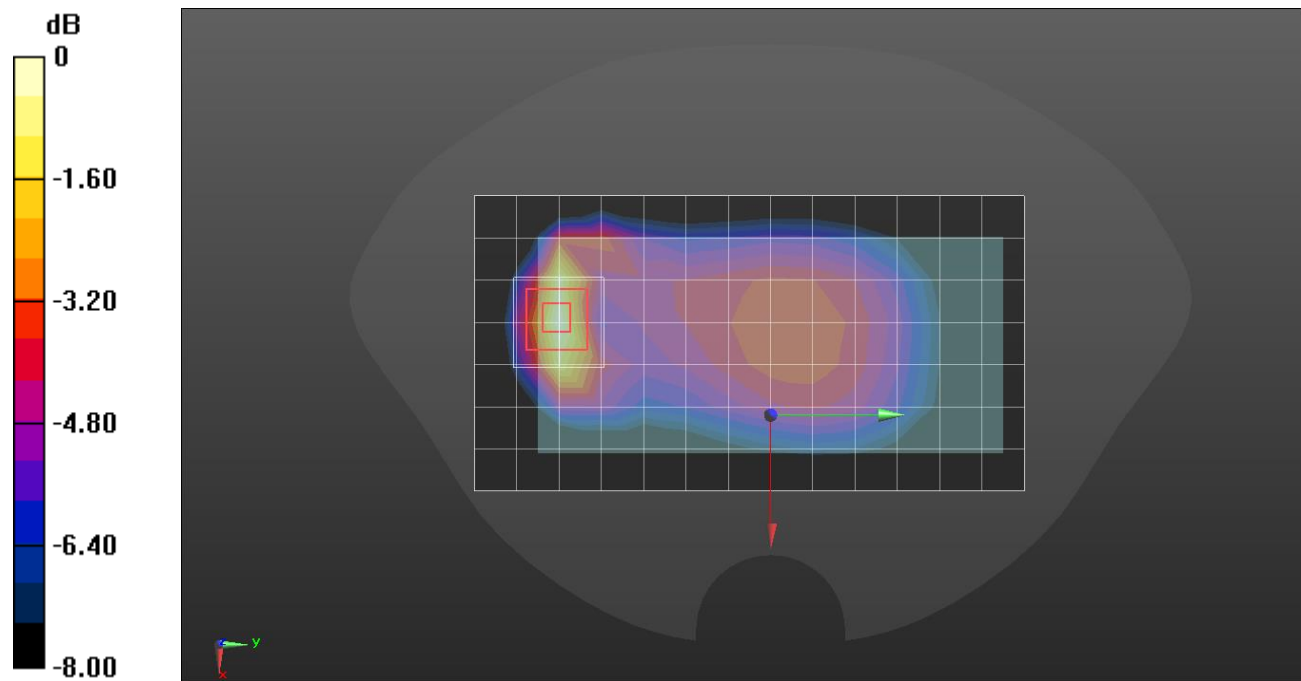
Rear /QPSK RB 25/25 ch.23330/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.61 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 0.732 W/kg



$$0 \text{ dB} = 0.732 \text{ W/kg} = -1.35 \text{ dBW/kg}$$

LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.024$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1882.5 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

LHS /Touch QPSK 1/99 ch.26365/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.194 W/kg

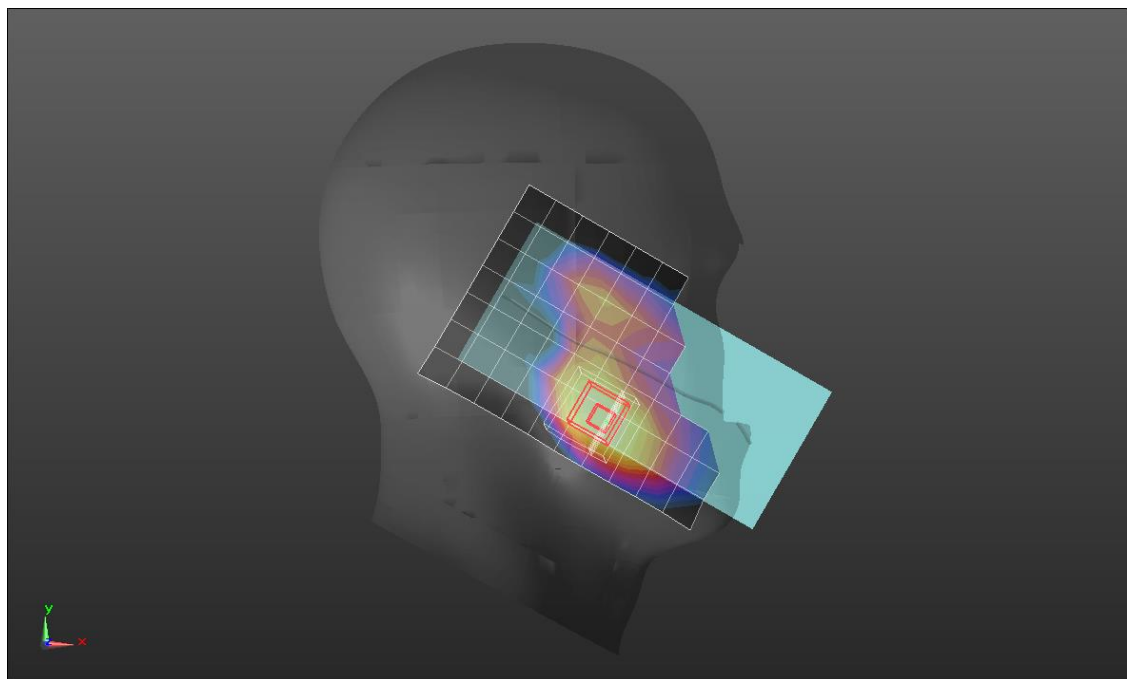
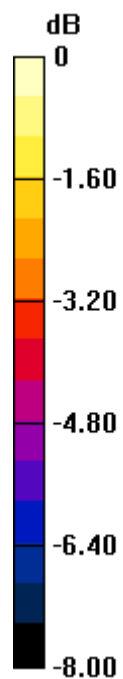
LHS /Touch QPSK 1/99 ch.26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.76 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.100 W/kg

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



0 dB = 0.219 W/kg = -6.60 dBW/kg

LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5 \text{ MHz}$; $\sigma = 1.403 \text{ S/m}$; $\epsilon_r = 39.024$; $\rho = 1000 \text{ kg/m}^3$

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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1882.5 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/99 ch.26365/Area Scan (8x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.423 W/kg

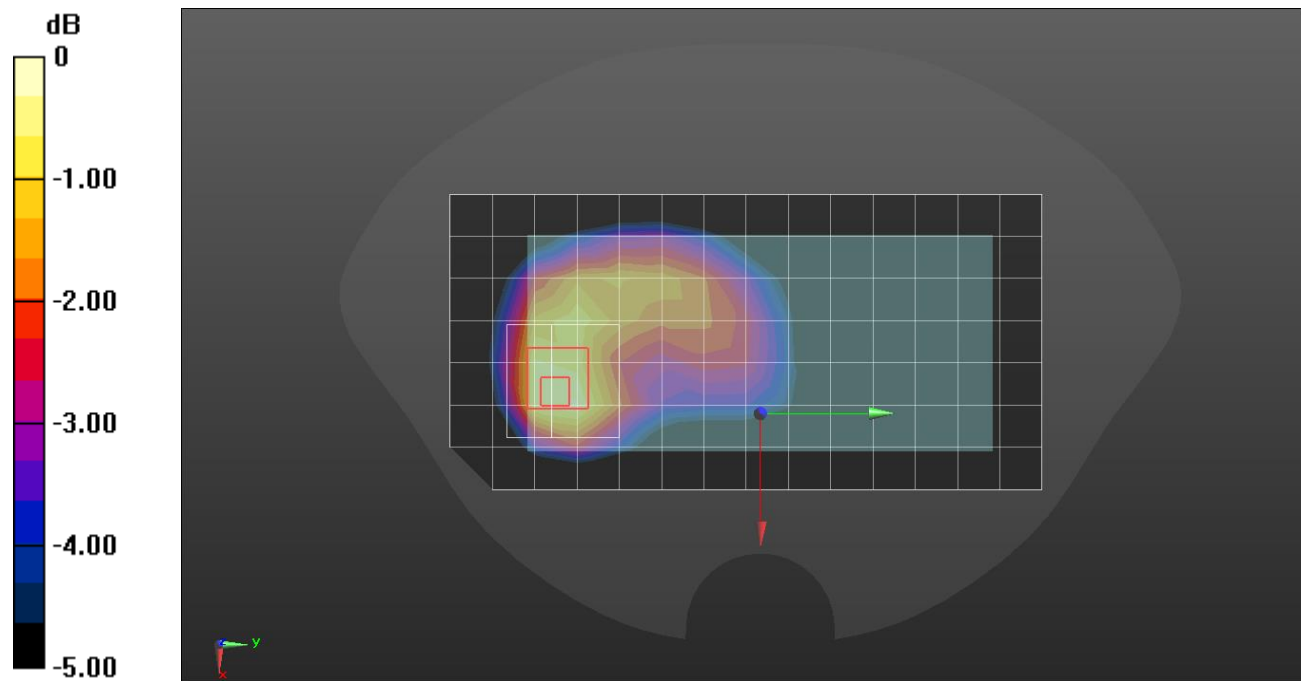
Rear/QPSK RB 1/99 ch.26365/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.85 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.451 W/kg



$$0 \text{ dB} = 0.451 \text{ W/kg} = -3.46 \text{ dBW/kg}$$

LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.024$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1882.5 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/99ch.26365/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.458 W/kg

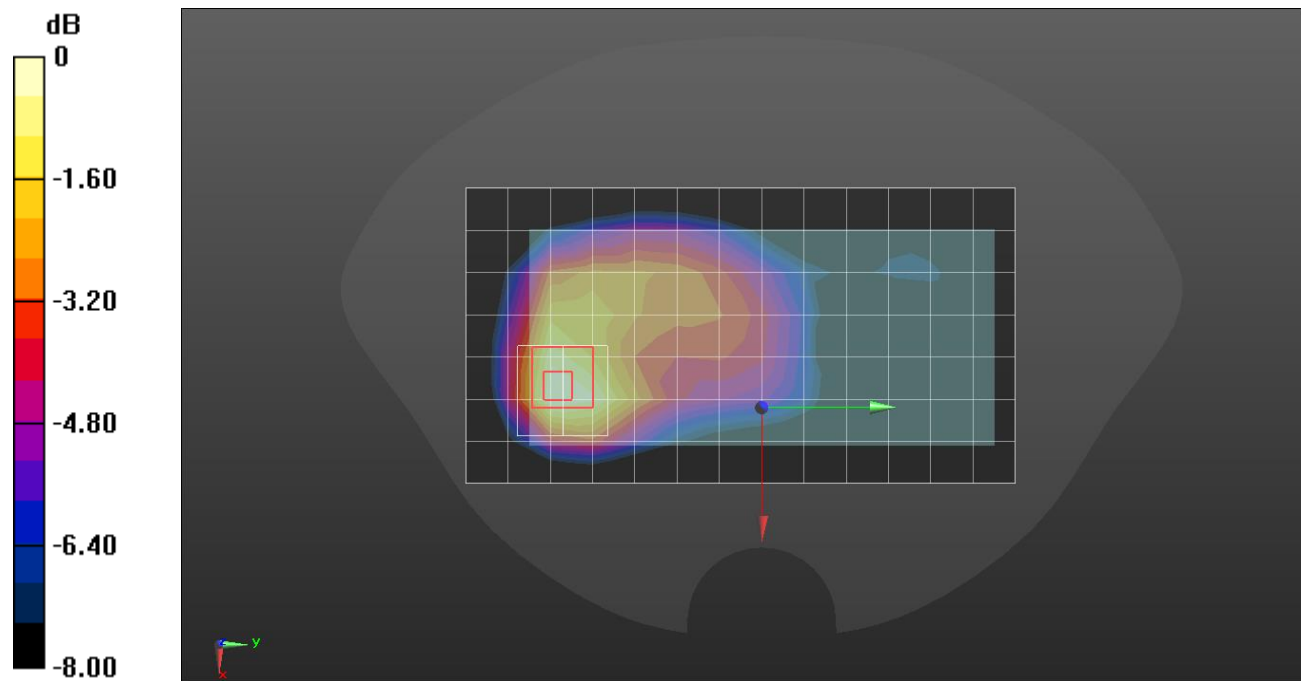
Rear/QPSK RB 1/99ch.26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.14 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.546 W/kg

SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



$$0 \text{ dB} = 0.457 \text{ W/kg} = -3.40 \text{ dBW/kg}$$

Measurement Report for Device, Left touch, LTE Band 25, E-UTRA/FDD, UID 10297 AAD, Channel 26590 (1905.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head, HSL	CHEEK, 0.00	Band 25, E-UTRA/FDD	LTE-FDD, 10297-AAD	1905.0, 26590	8.12	1.42	40.7

Hardware Setup

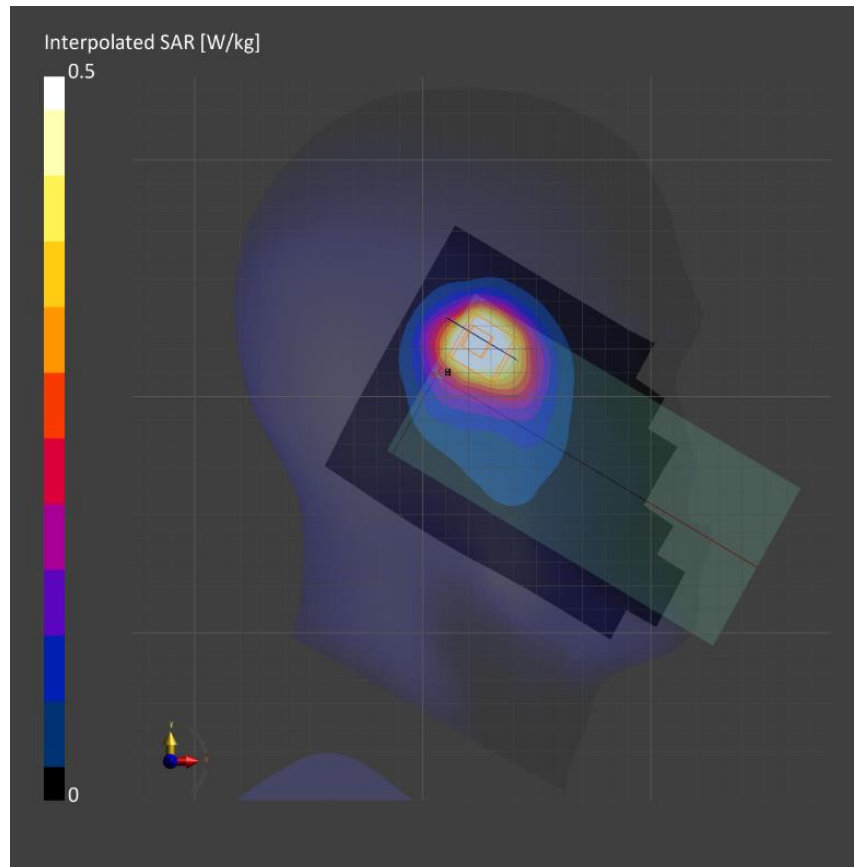
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-23	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	0.494	0.527
psSAR10g [W/kg]	0.279	0.284
Power Drift [dB]		0.01



LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.439$ S/m; $\epsilon_r = 40.712$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(8.78, 8.78, 8.78) @ 1905 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/0 ch.26590/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.322 W/kg

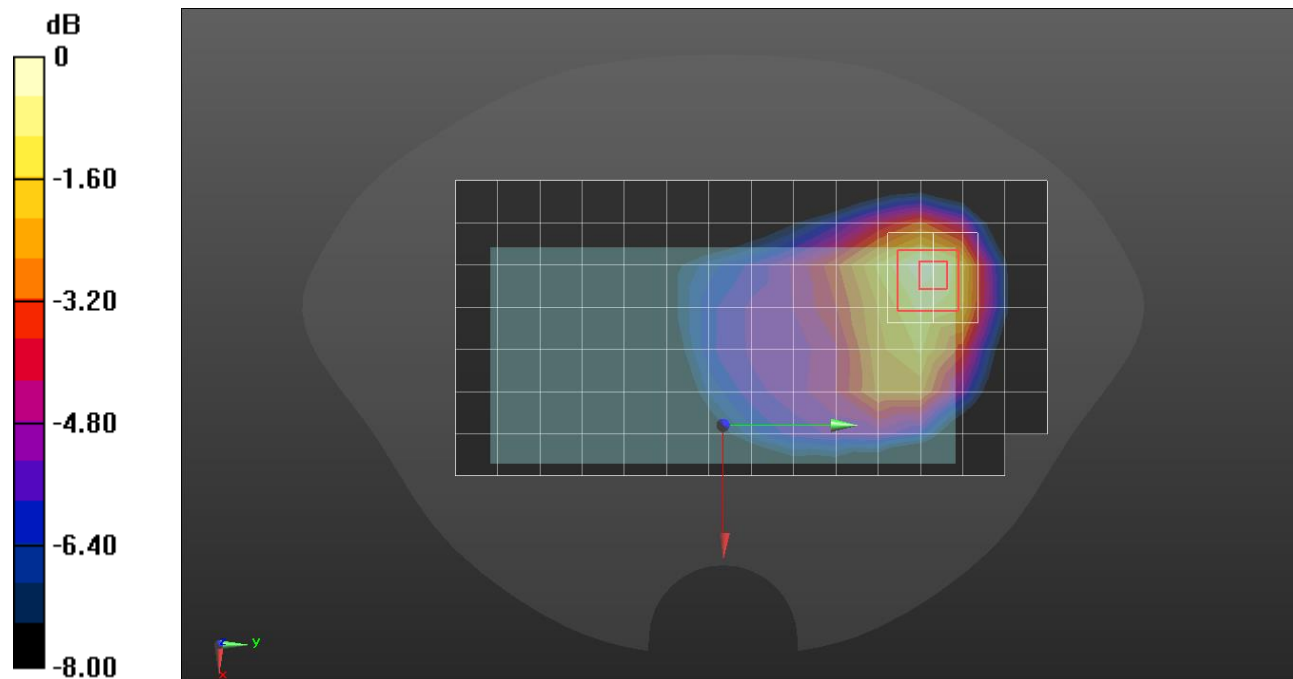
Rear /QPSK RB 1/0 ch.26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.21 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1905 \text{ MHz}$; $\sigma = 1.439 \text{ S/m}$; $\epsilon_r = 40.712$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(8.78, 8.78, 8.78) @ 1905 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/0 ch.26590/Area Scan (8x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.615 W/kg

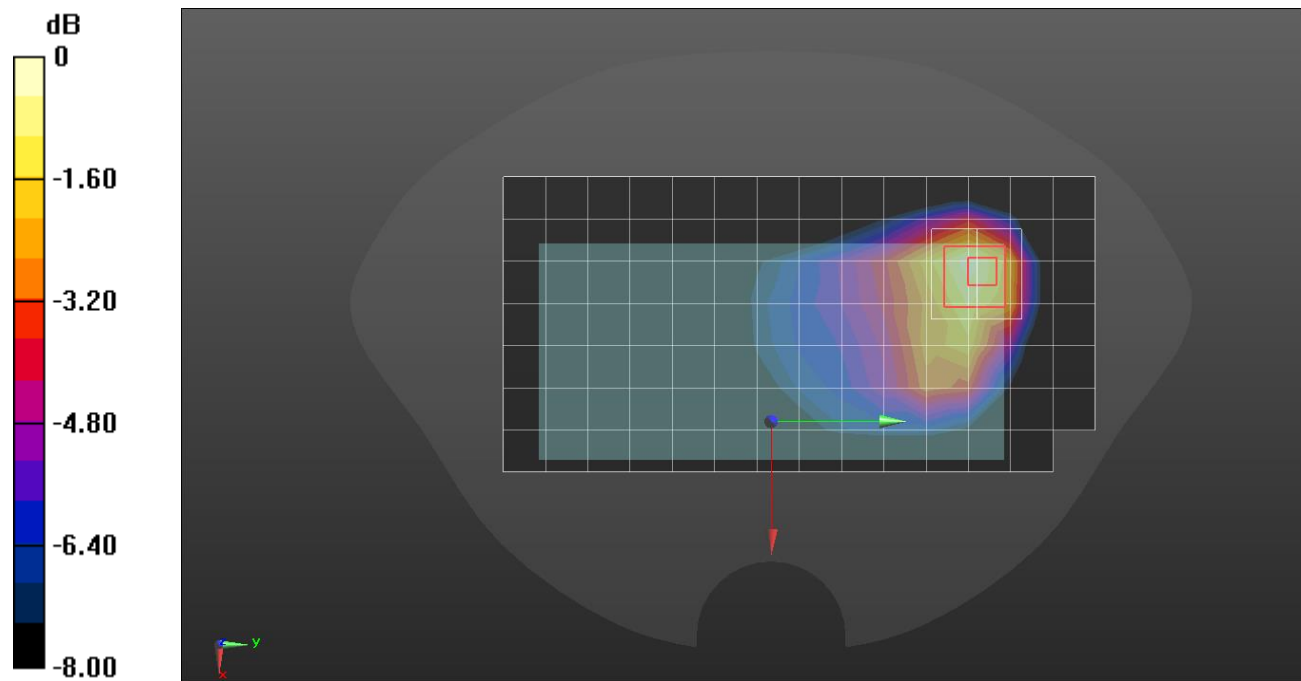
Rear /QPSK RB 1/0 ch.26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.53 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg = -1.95 dBW/kg

LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.321$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 831.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS /Touch QPSK 1/37 ch.26865/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.301 W/kg

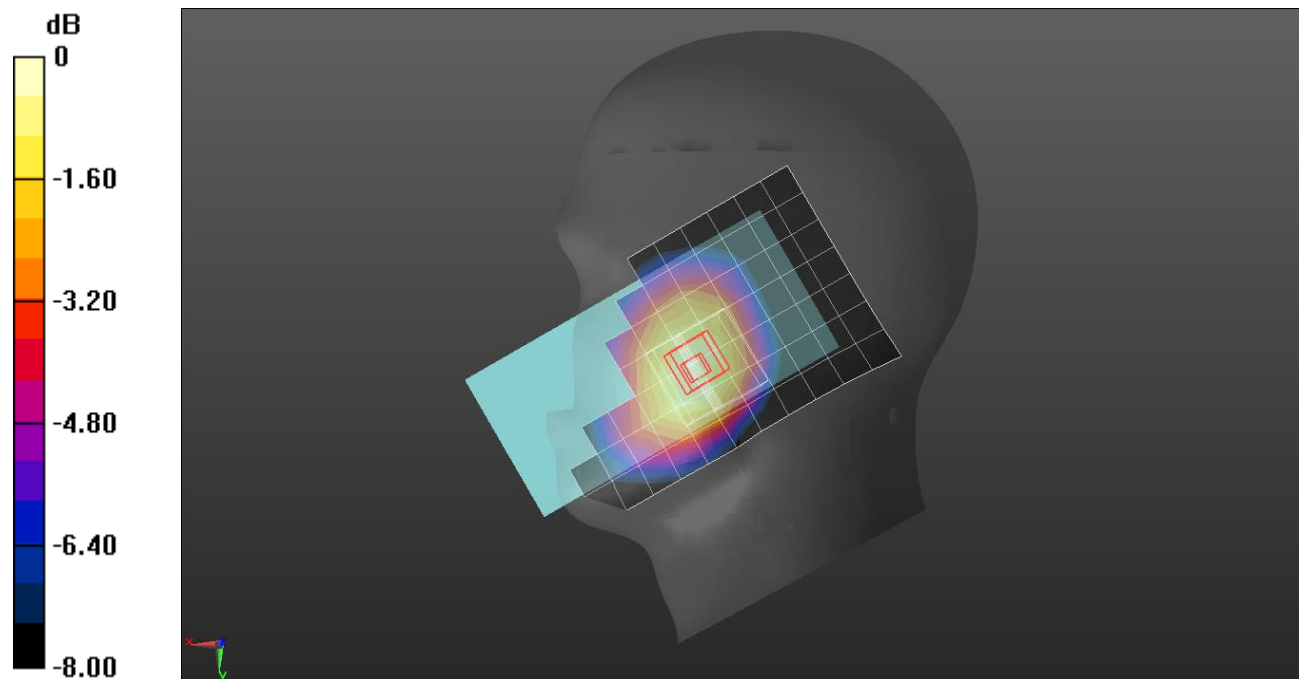
RHS /Touch QPSK 1/37 ch.26865/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.73 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.324 W/kg



0 dB = 0.324 W/kg = -4.89 dBW/kg

LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.321$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 831.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear /QPSK RB 1/37 ch.26865/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.417 W/kg

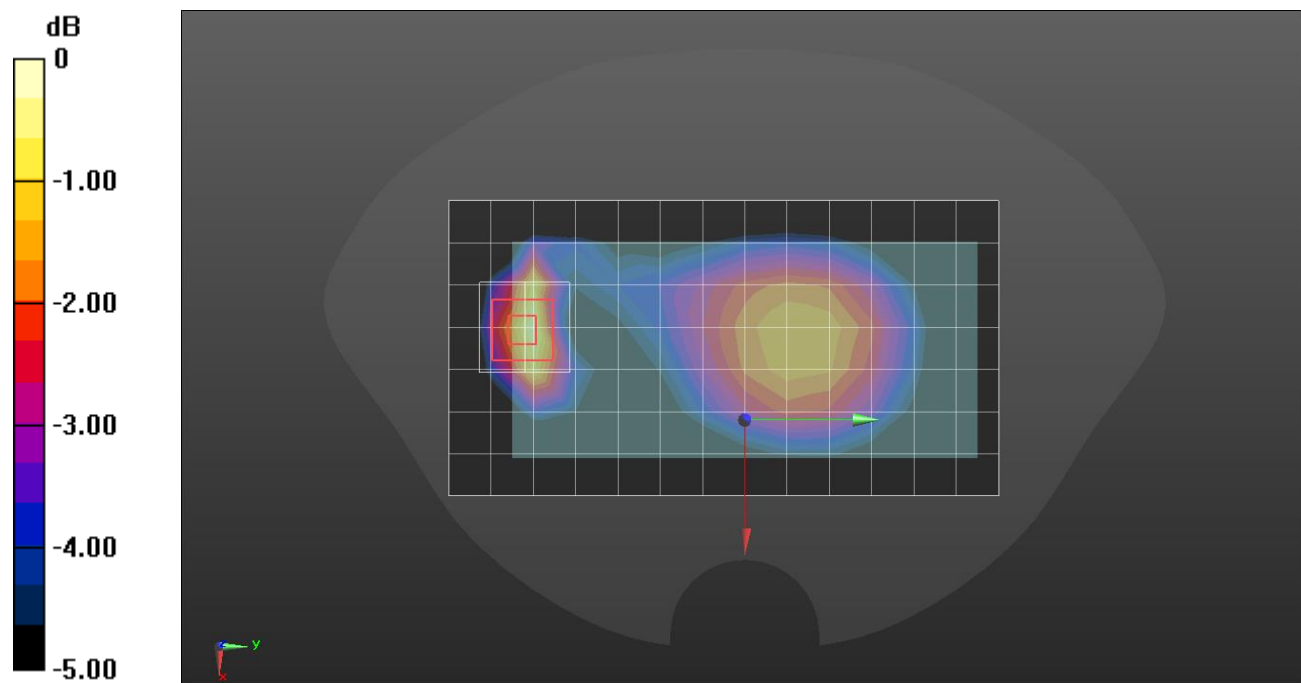
Rear /QPSK RB 1/37 ch.26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.48 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg = -3.56 dBW/kg

LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.321$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 831.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/QPSK RB 1/37 ch.26865/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.10 W/kg

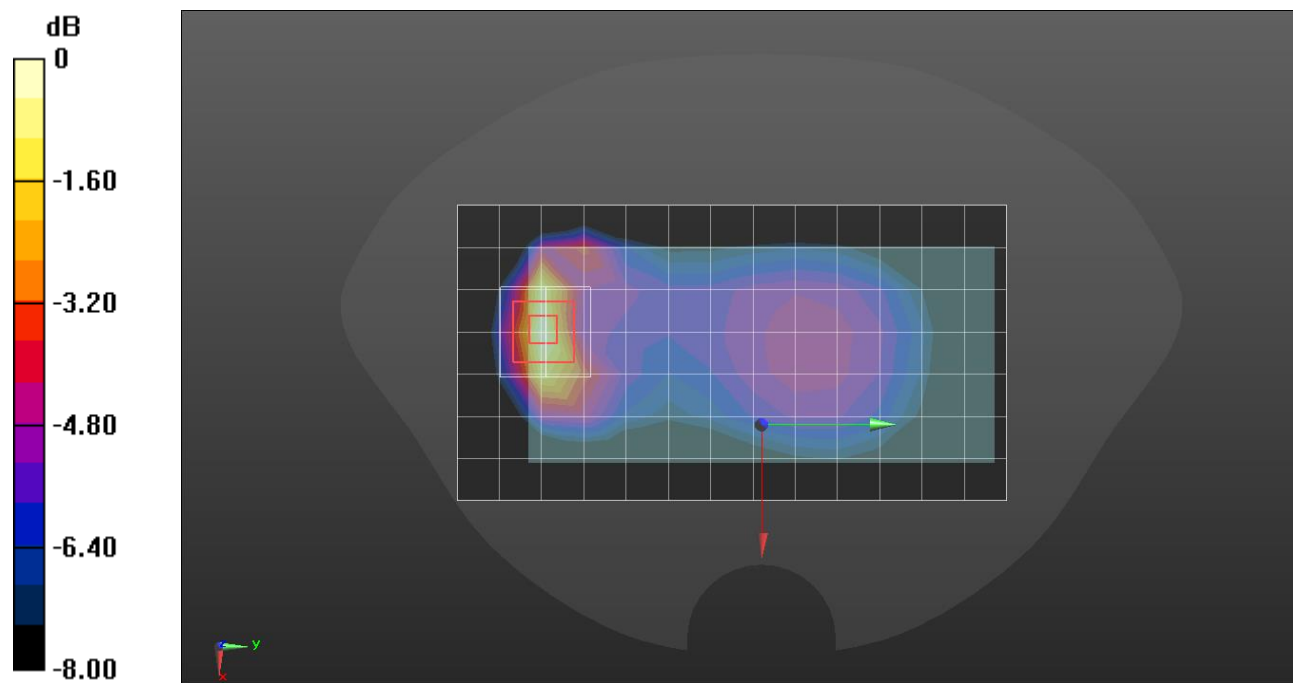
Rear/QPSK RB 1/37 ch.26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.34 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.373 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

LTE Band 30

Frequency: 2310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.662$ S/m; $\epsilon_r = 38.284$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.88, 7.88, 7.88) @ 2310 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

LHS /Touch QPSK RB 1/49 ch.27710/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.221 W/kg

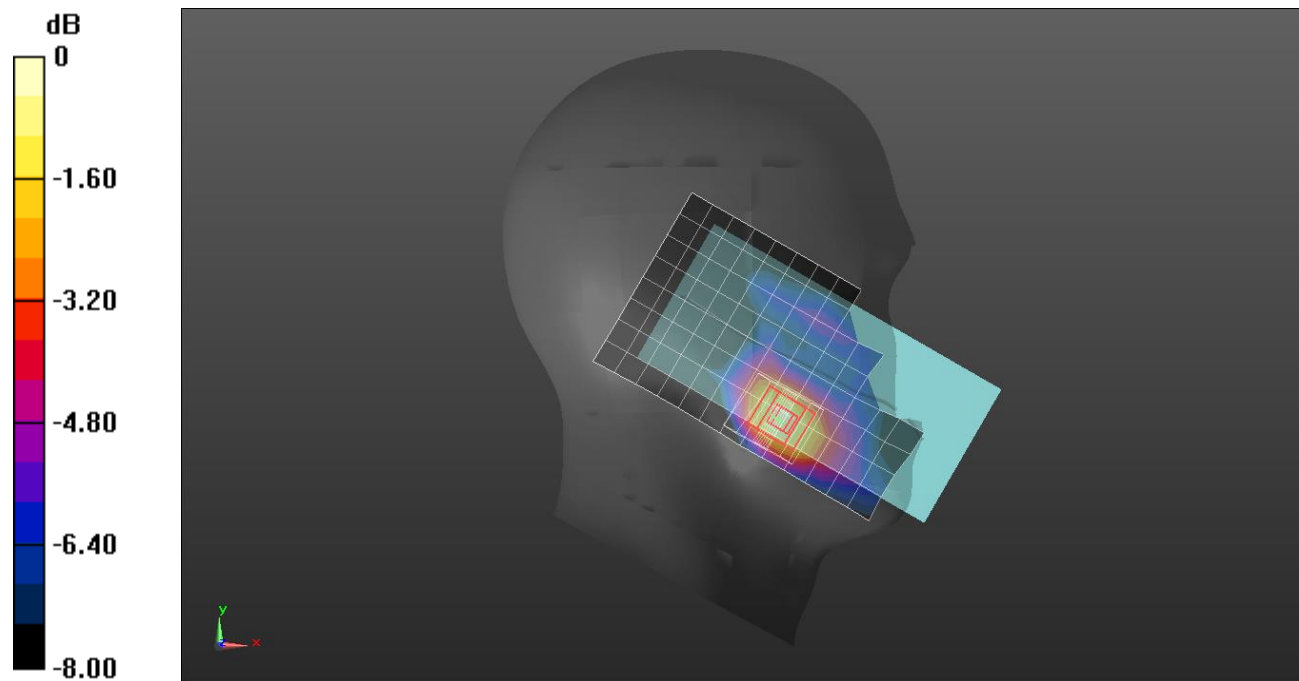
LHS /Touch QPSK RB 1/49 ch.27710//Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.67 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

LTE Band 30

Frequency: 2310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2310 \text{ MHz}$; $\sigma = 1.662 \text{ S/m}$; $\epsilon_r = 38.284$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.88, 7.88, 7.88) @ 2310 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/49 ch.27710/Area Scan (9x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
 Maximum value of SAR (measured) = 0.298 W/kg

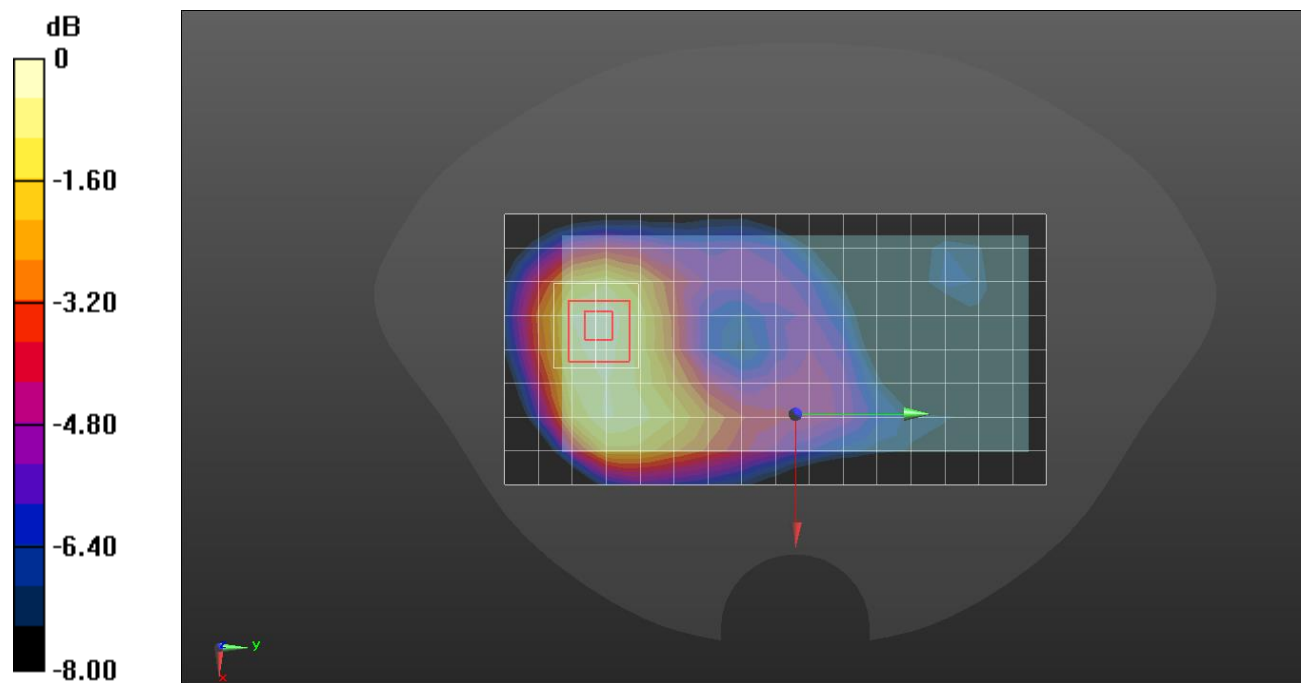
Rear /QPSK RB 1/49 ch.27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.37 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

LTE Band 30

Frequency: 2310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2310 \text{ MHz}$; $\sigma = 1.662 \text{ S/m}$; $\epsilon_r = 38.284$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.88, 7.88, 7.88) @ 2310 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/QPSK RB 25/25 ch.27710/Area Scan (9x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
 Maximum value of SAR (measured) = 0.292 W/kg

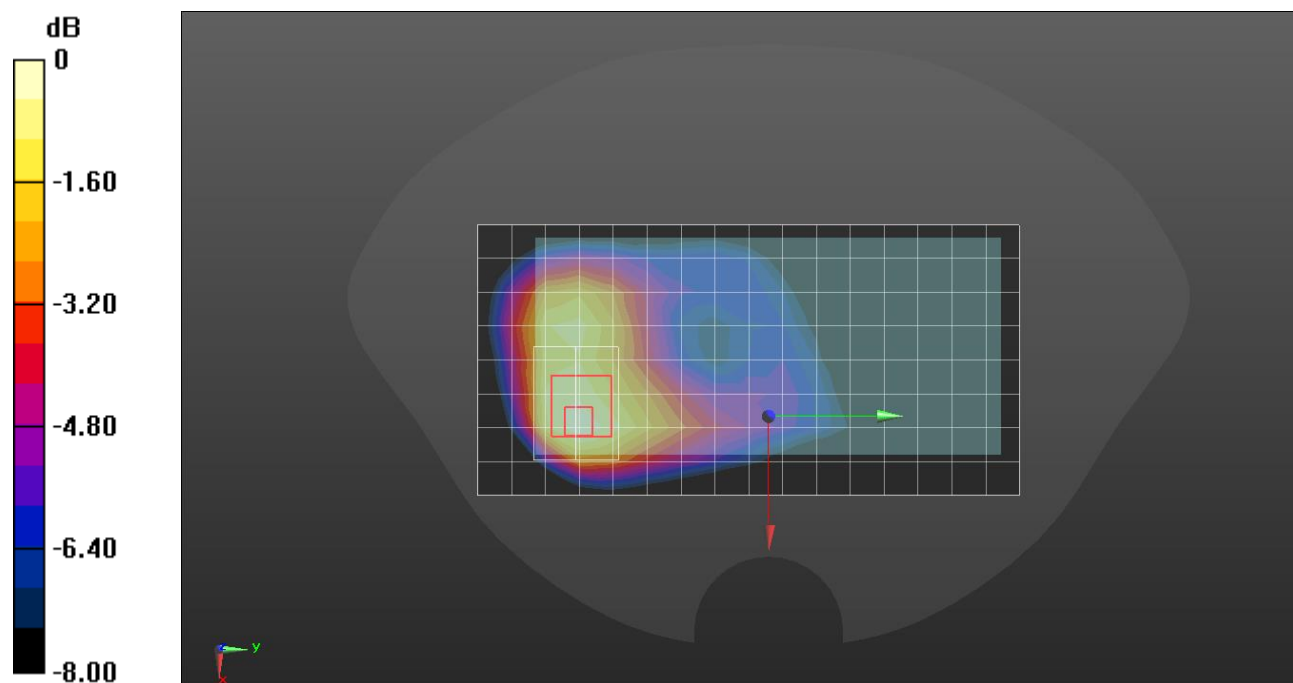
Rear/QPSK RB 25/25 ch.27710/Zoom Scan (9x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.01 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.291 W/kg



$$0 \text{ dB} = 0.291 \text{ W/kg} = -5.36 \text{ dBW/kg}$$

LTE Band 40

Frequency: 2355 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2355 \text{ MHz}$; $\sigma = 1.694 \text{ S/m}$; $\epsilon_r = 39.45$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.88, 7.88, 7.88) @ 2355 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

LHS/Touch QPSK RB 1/0 ch.39200/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.224 W/kg

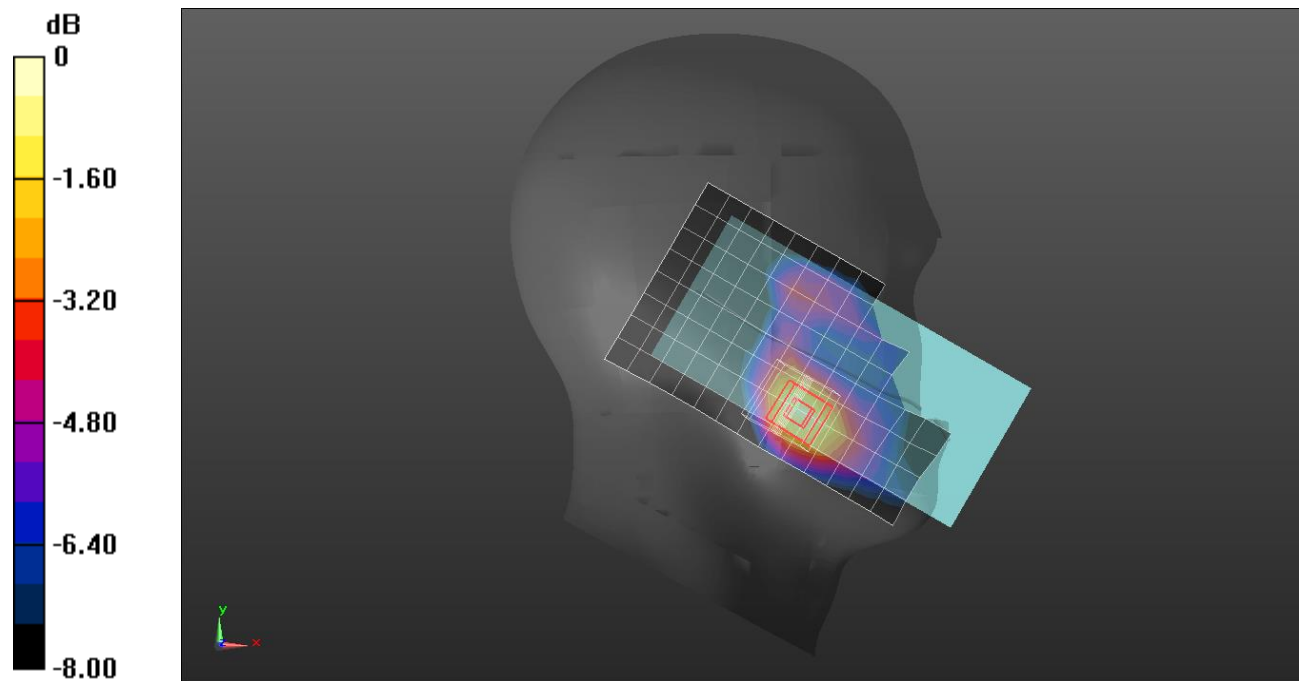
LHS/Touch QPSK RB 1/0 ch.39200/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.41 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg = -6.33 dBW/kg

LTE Band 40

Frequency: 2355 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2355 \text{ MHz}$; $\sigma = 1.694 \text{ S/m}$; $\epsilon_r = 39.45$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.88, 7.88, 7.88) @ 2355 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/QPSK RB 1/0 ch.39200/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.274 W/kg

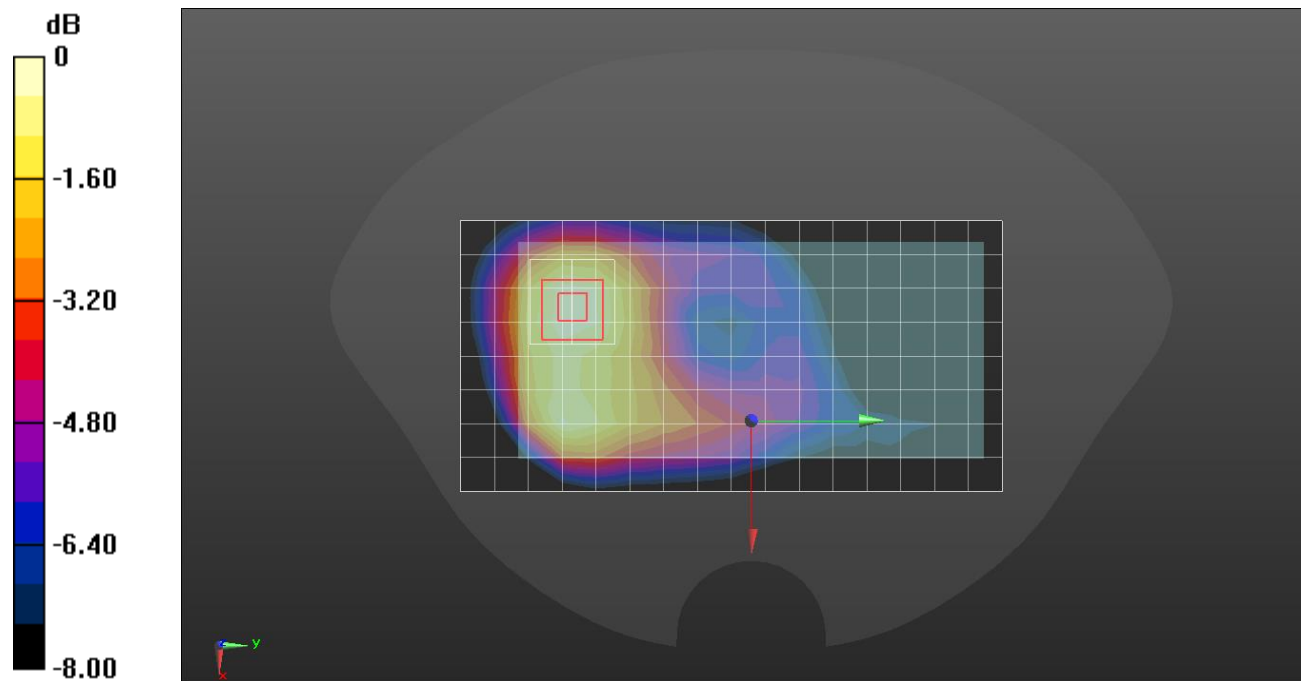
Rear/QPSK RB 1/0 ch.39200/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.74 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

Measurement Report for Device, Rear, LTE Band 40, E-UTRA/TDD, UID 10237 CAG, Channel 38750 (2310.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 40, E-UTRA/TDD	LTE-TDD, 10237-CAG	2310.0,38750	8.66	1.72	38.1

Hardware Setup

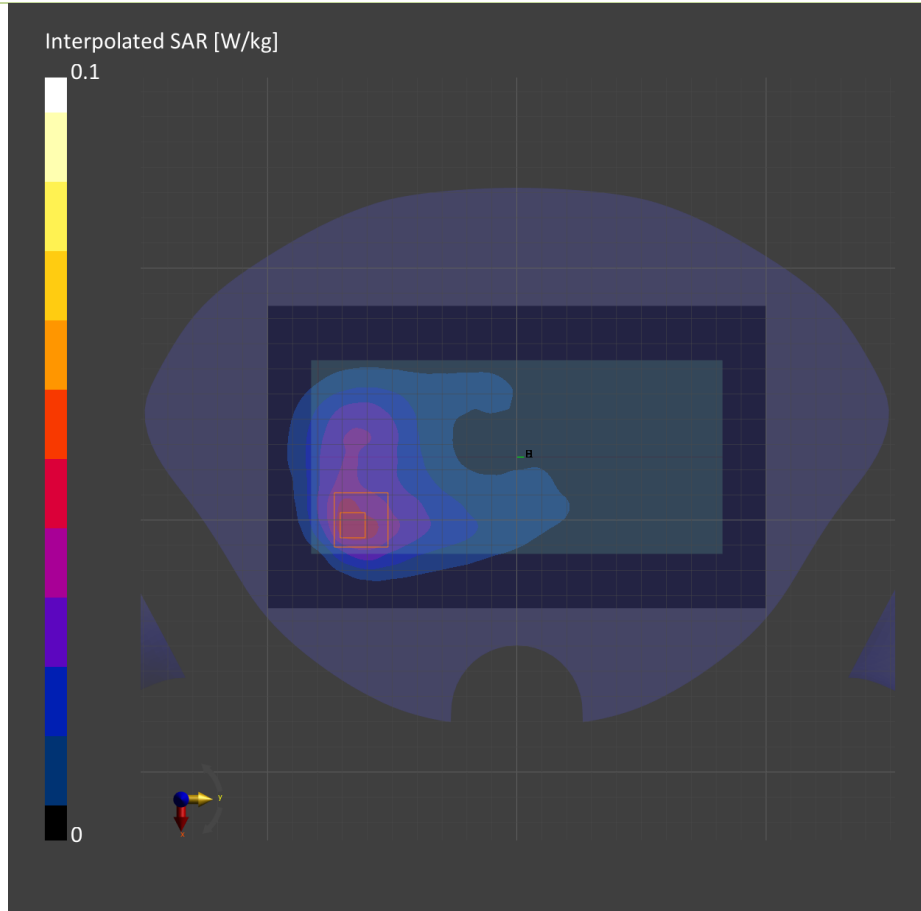
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-13	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	0.039	0.038
psSAR10g [W/kg]	0.021	0.020
Power Drift [dB]		-0.01



LTE Band 41 HPUE

Frequency: 2549.5 MHz; Duty Cycle: 1:2.30675; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 37.512$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.3, 7.3, 7.3) @ 2549.5 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

LHS /Touch QPSK RB 1/0 ch.40185/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.419 W/kg

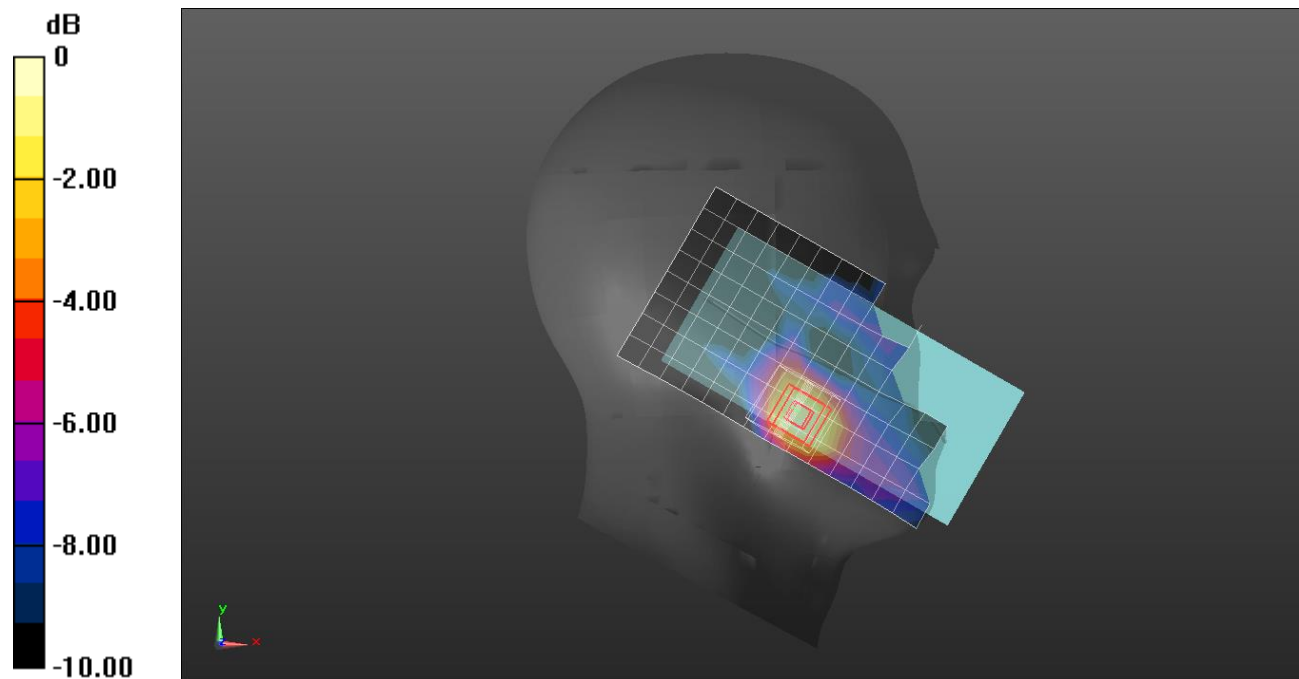
LHS /Touch QPSK RB 1/0 ch.40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.08 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.34 dBW/kg

LTE Band 41

Frequency: 2549.5 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.894$ S/m; $\epsilon_r = 37.655$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.3, 7.3, 7.3) @ 2549.5 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/0 ch.40185/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.620 W/kg

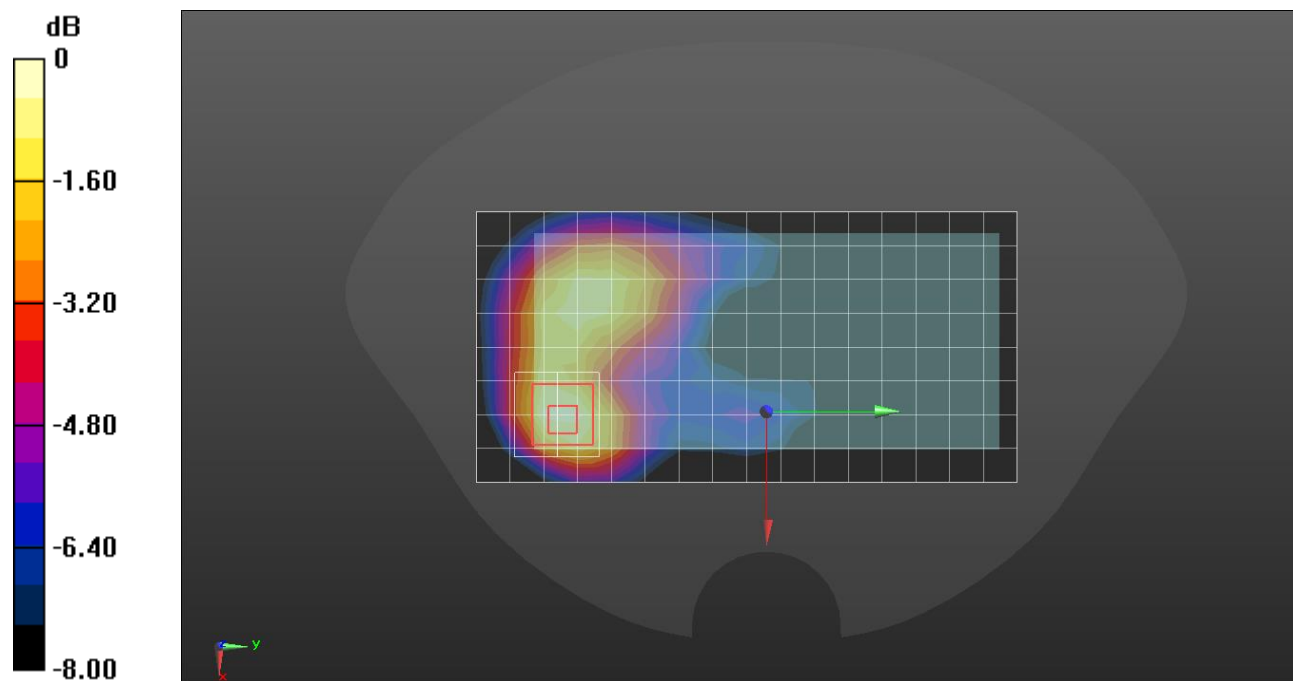
Rear /QPSK RB 1/0 ch.40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.39 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.847 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

LTE Band 41

Frequency: 2549.5 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.894$ S/m; $\epsilon_r = 37.655$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.3, 7.3, 7.3) @ 2549.5 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/QPSK RB 50/0 ch.40185/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.911 W/kg

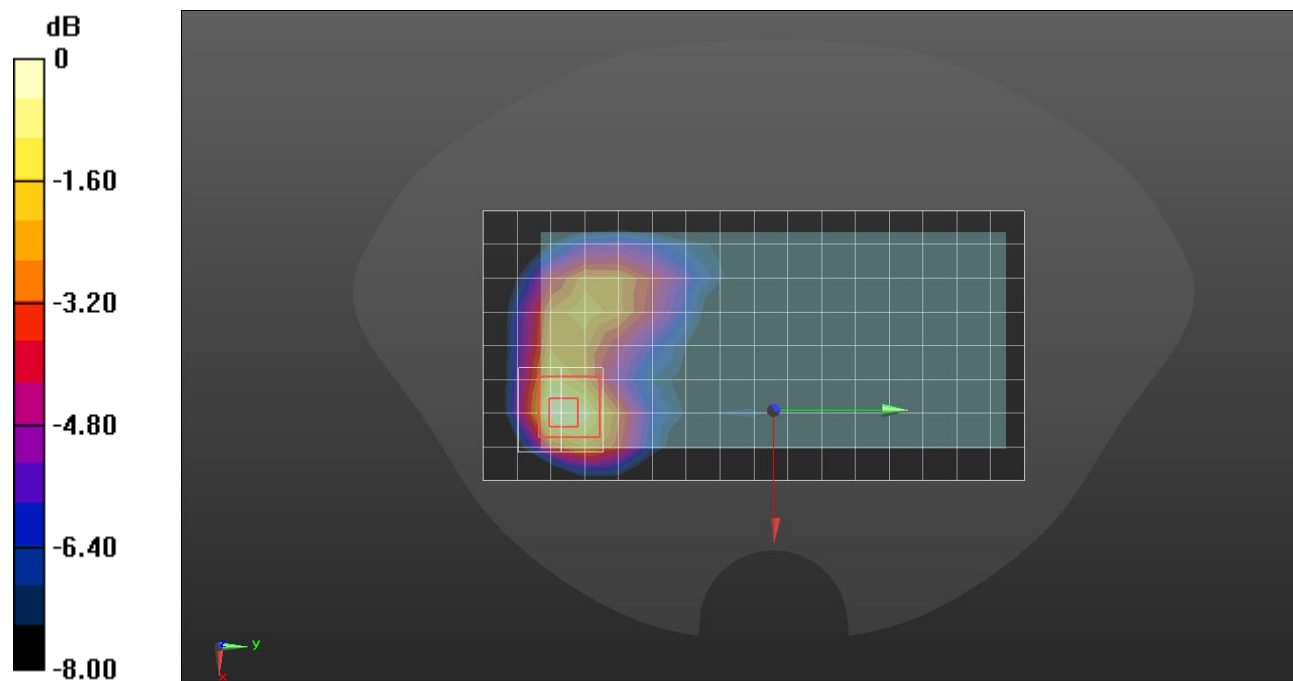
Rear/QPSK RB 50/0 ch.40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.00 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.982 W/kg



0 dB = 0.982 W/kg = -0.08 dBW/kg

LTE Band 41

Frequency: 2680 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2680$ MHz; $\sigma = 1.977$ S/m; $\epsilon_r = 37.473$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7545; ConvF(7.3, 7.3, 7.3) @ 2680 MHz; Calibrated: 8/26/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear/QPSK RB 1/0 ch.41490/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 7.22 W/kg

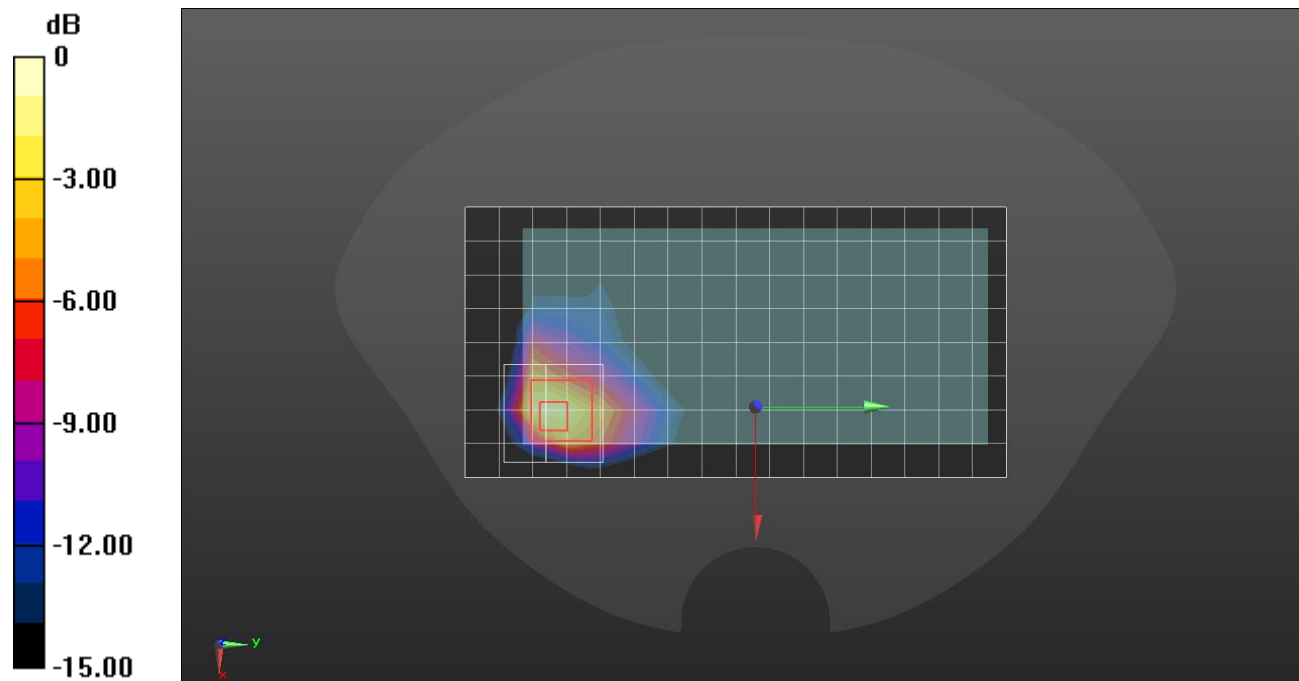
Rear/QPSK RB 1/0 ch.41490/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.50 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (measured) = 9.64 W/kg



0 dB = 9.64 W/kg = 9.84 dBW/kg

Measurement Report for Device, Right Touch, LTE Band 48, E-UTRA/TDD, UID 10151 CAG, Channel 56207 (3646.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head, HSL	CHEEK, 0.00	Band 48, E-UTRA/TDD	LTE-TDD, 10151-CAG	3646.7, 56207	6.88	3.16	38.6

Hardware Setup

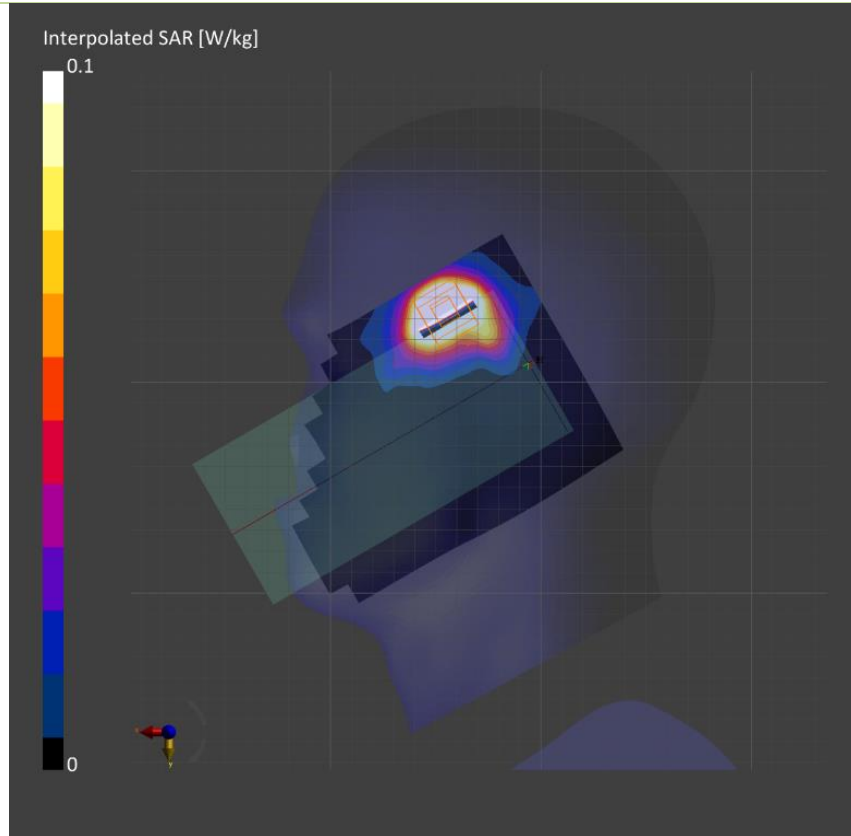
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000 Charge:xxxx, 2022-Jun-08	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	4.9 x 4.9 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-08, 11:41	2022-06-08, 11:54
psSAR1g [W/kg]	0.270	0.283
psSAR10g [W/kg]	0.098	0.097
Power Drift [dB]		-0.04



Measurement Report for Device, BACK, Band 48, E-UTRA/TDD, UID 10151 CAG, Channel 56207 (3646.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band 48, E-UTRA/TDD	LTE-TDD, 10151-CAG	3646.7, 56207	6.88	3.16	38.6

Hardware Setup

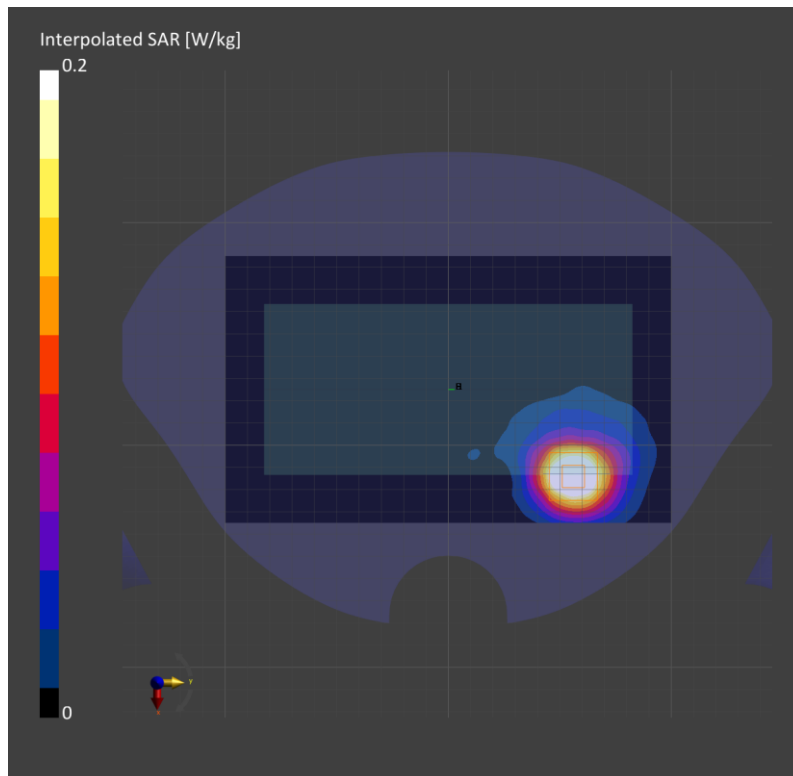
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000 Charge:xxxx, 2022-Jun-08	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-08, 14:31	2022-06-08, 14:41
psSAR1g [W/kg]	0.212	0.222
psSAR10g [W/kg]	0.090	0.091
Power Drift [dB]	-	-0.02



Measurement Report for Device, Rear, LTE Band 48, E-UTRA/TDD, UID 10172 CAG, Channel 56207 (3646.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 48, E-UTRA/TDD	LTE-TDD, 10172-CAG	3646.7, 56207	6.88	3.16	38.6

Hardware Setup

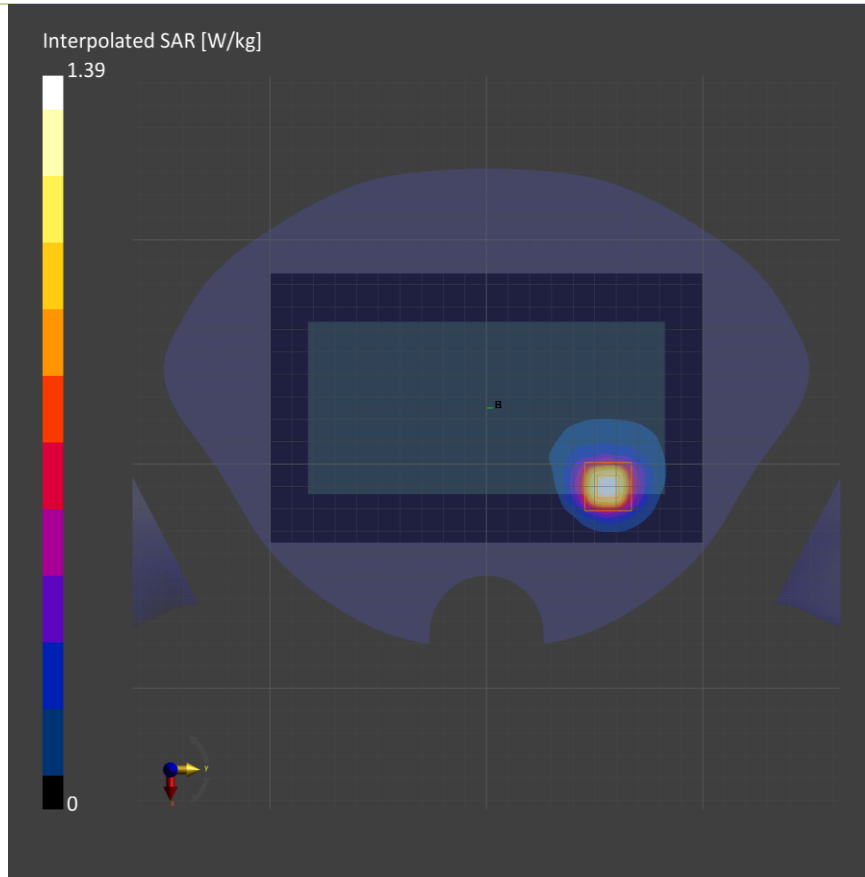
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000 Charge:xxxx, 2022-Jun-08	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-08	2022-06-08
psSAR1g [W/kg]	0.458	0.533
psSAR10g [W/kg]	0.183	0.193
Power Drift [dB]		0.07



Measurement Report for Device, Right Touch, LTE Band 66, E-UTRA/FDD, UID 10169 CAE, Channel 132322 (1745.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band 66, E-UTRA/FDD	LTE-FDD, 10169-CAE	1745.0,132322	9.23	1.35	40.6

Hardware Setup

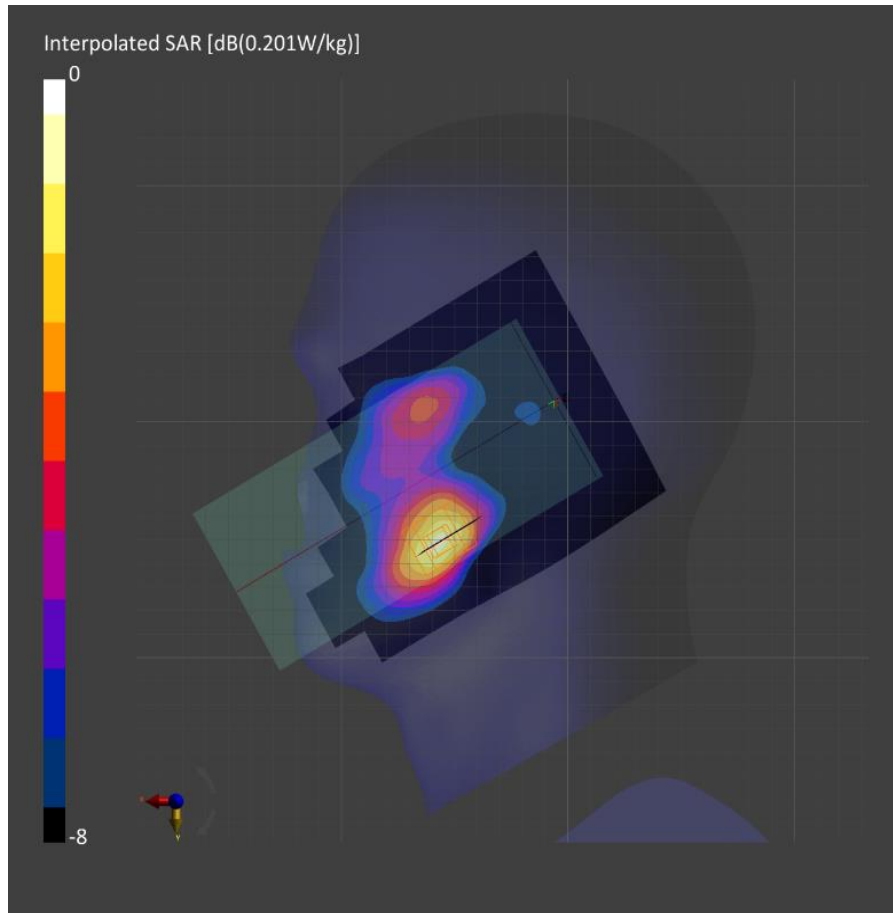
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-10	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-10	2022-06-10
psSAR1g [W/kg]	0.123	0.131
psSAR10g [W/kg]	0.071	0.082
Power Drift [dB]		-0.01



Measurement Report for Device, Rear, LTE Band 66, E-UTRA/FDD, UID 10169 CAE, Channel 132322 (1745.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band 66, E-UTRA/FDD	LTE-FDD, 10169-CAE	1745.0, 132322	9.23	1.35	40.6

Hardware Setup

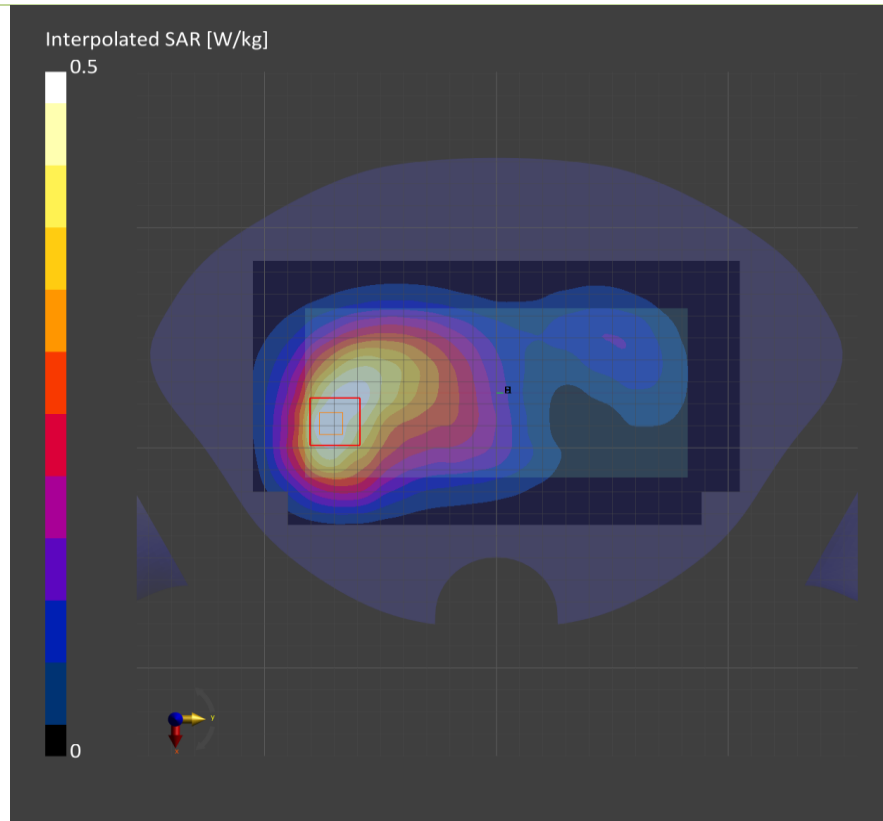
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-10	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-10	2022-06-10
psSAR1g [W/kg]	0.436	0.445
psSAR10g [W/kg]	0.268	0.277
Power Drift [dB]		-0.01



LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.337 \text{ S/m}$; $\epsilon_r = 39.17$; $\rho = 1000 \text{ kg/m}^3$

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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.9, 8.9, 8.9) @ 1745 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/QPSK RB 1/0 ch.132322/Area Scan (9x5x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.451 W/kg

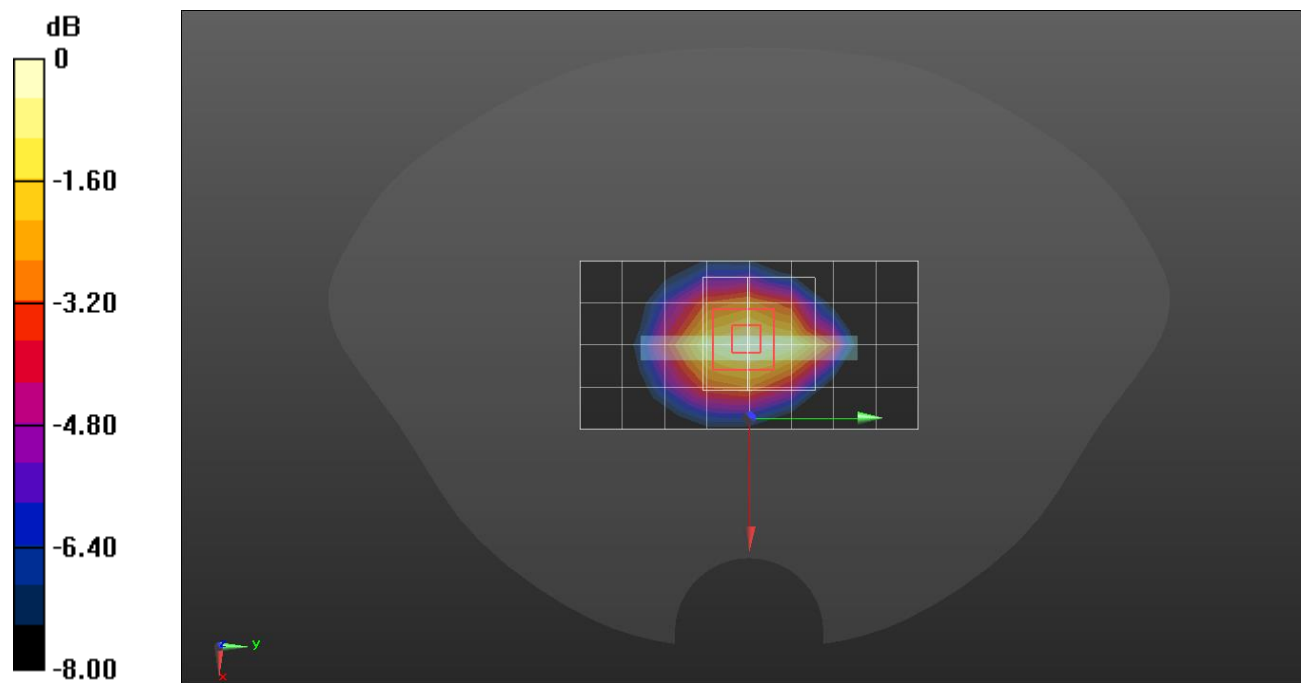
Edge 3/QPSK RB 1/0 ch.132322/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 16.51 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



$$0 \text{ dB} = 0.441 \text{ W/kg} = -3.56 \text{ dBW/kg}$$

Measurement Report for Device, Left touch, LTE Band 66, E-UTRA/FDD, UID 10169 CAE, Channel 132072 (1720.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head, HSL	CHEEK, 0.00	Band 66, E-UTRA/FDD	LTE-FDD, 10169-CAE	1720.0, 132072	8.37	1.31	40.8

Hardware Setup

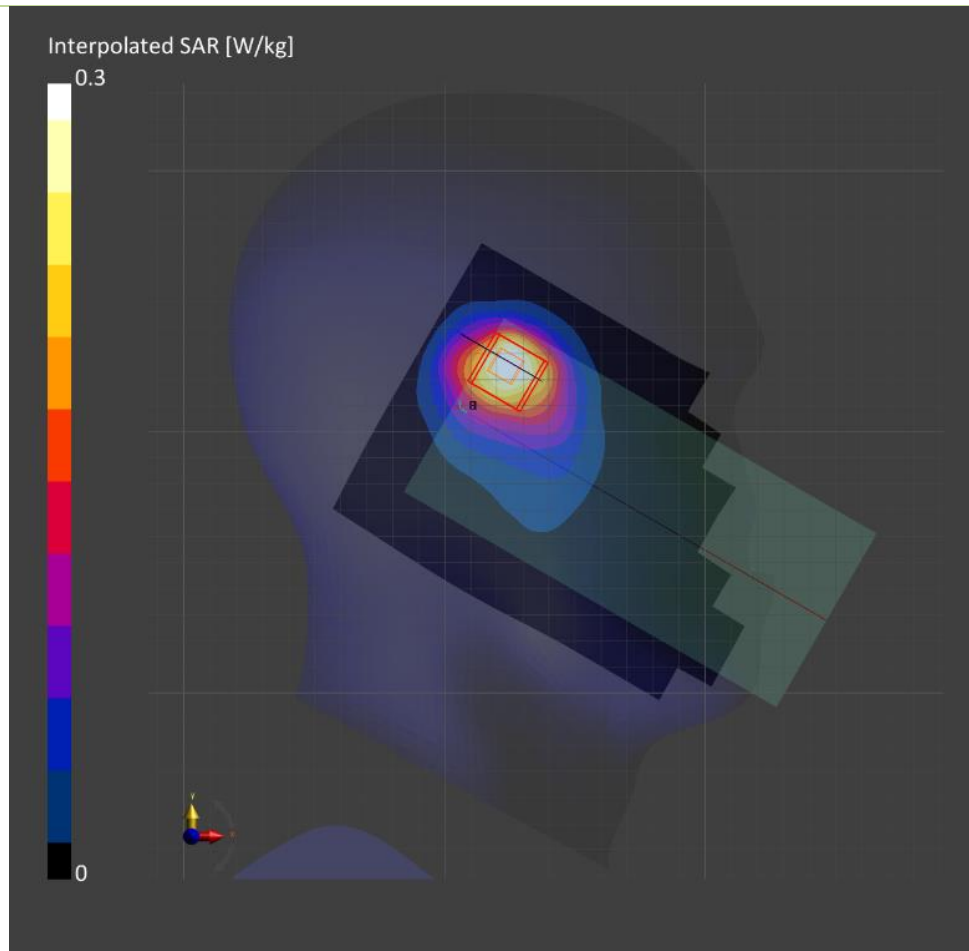
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-23	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-23	2022-06-23
psSAR1g [W/kg]	0.246	0.257
psSAR10g [W/kg]	0.141	0.141
Power Drift [dB]		-0.07



LTE Band 66

Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.325 \text{ S/m}$; $\epsilon_r = 40.618$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(9.14, 9.14, 9.14) @ 1720 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/99 ch.132072/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.139 W/kg

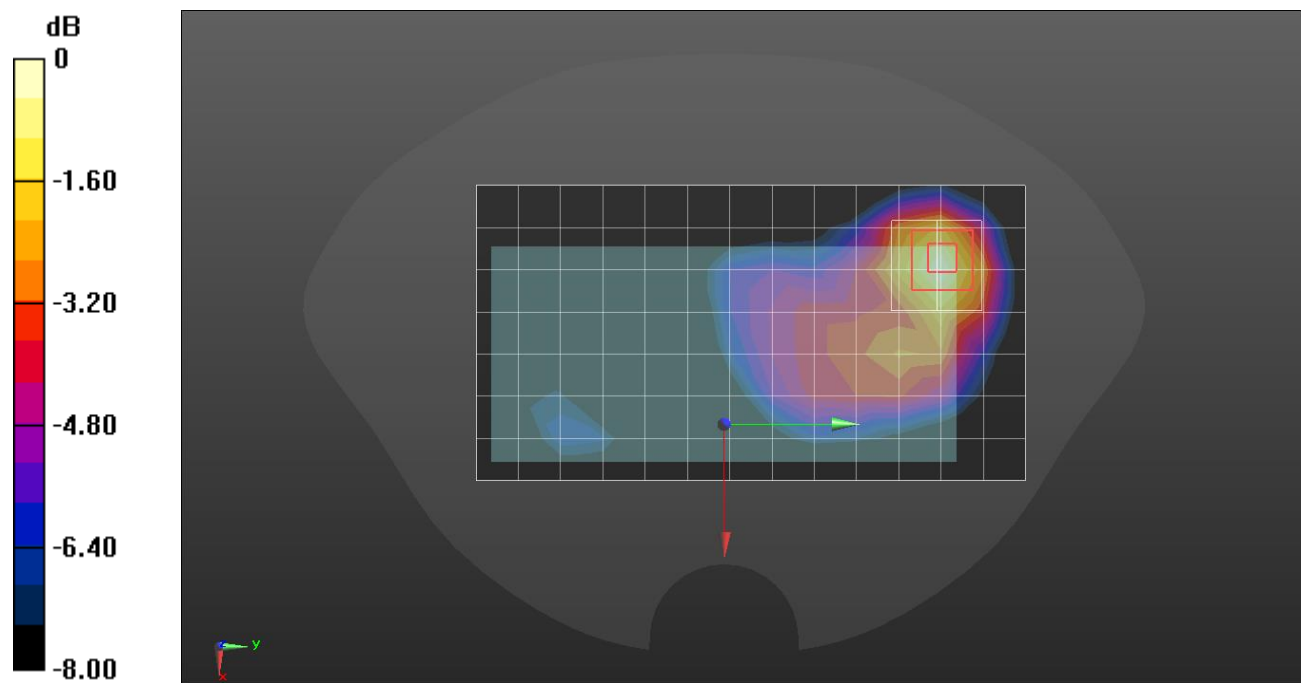
Rear /QPSK RB 1/99 ch.132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.573 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg = -8.54 dBW/kg

LTE Band 66

Frequency: 1720 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 40.618$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(9.14, 9.14, 9.14) @ 1720 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear /QPSK RB 1/99 ch.132072/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.366 W/kg

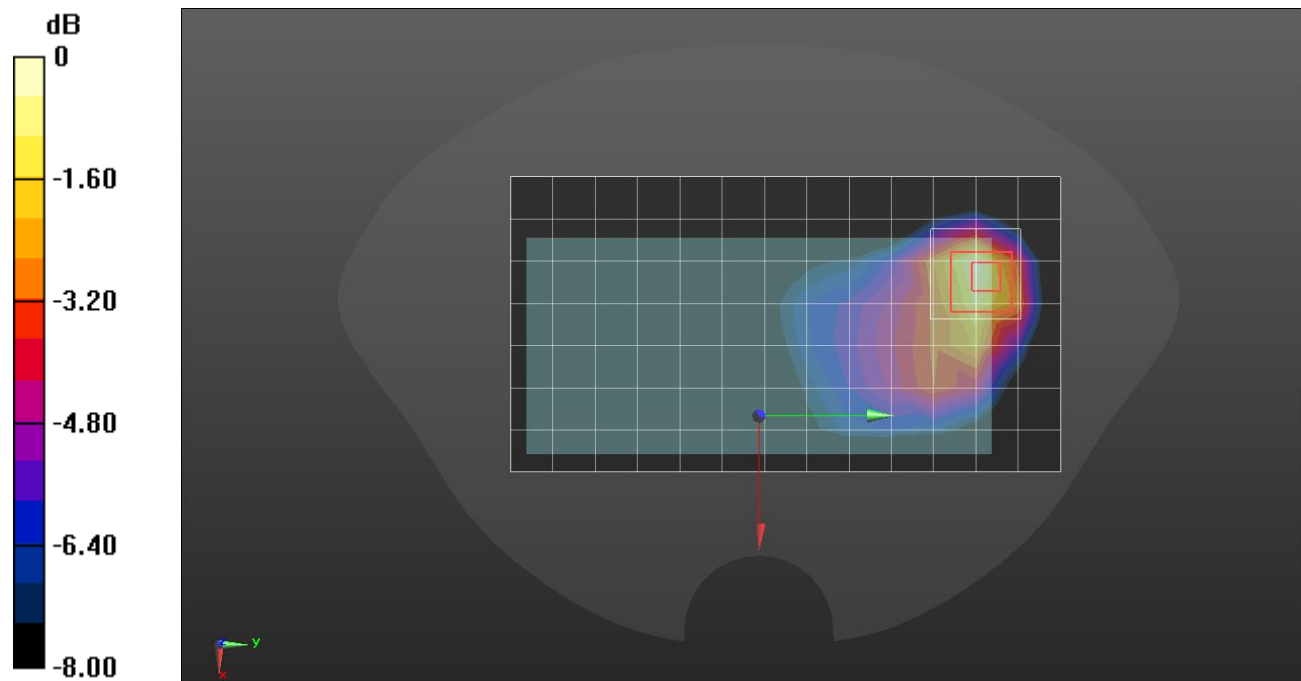
Rear /QPSK RB 1/99 ch.132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.40 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.387 W/kg



0 dB = 0.387 W/kg = -4.12 dBW/kg

LTE Band 71

Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.851$ S/m; $\epsilon_r = 43.367$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS /Touch QPSK 1/0 ch.133297/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.206 W/kg

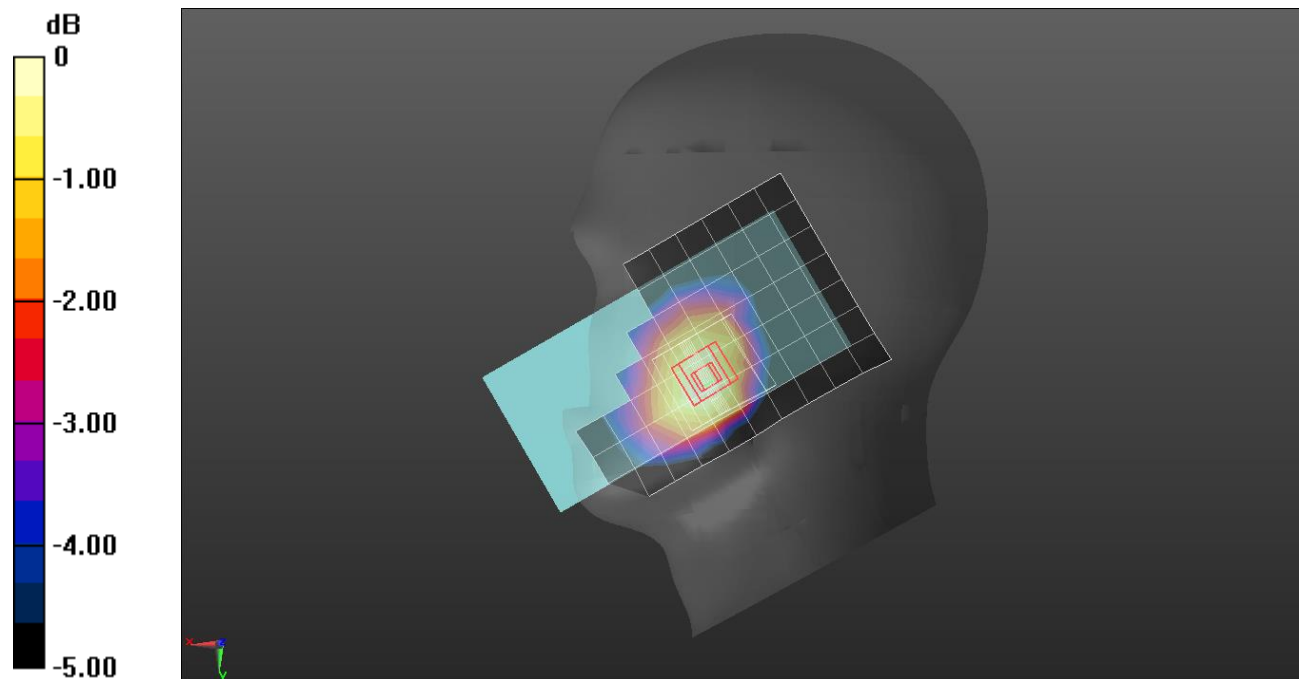
RHS /Touch QPSK 1/0 ch.133297/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.01 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

LTE Band 71

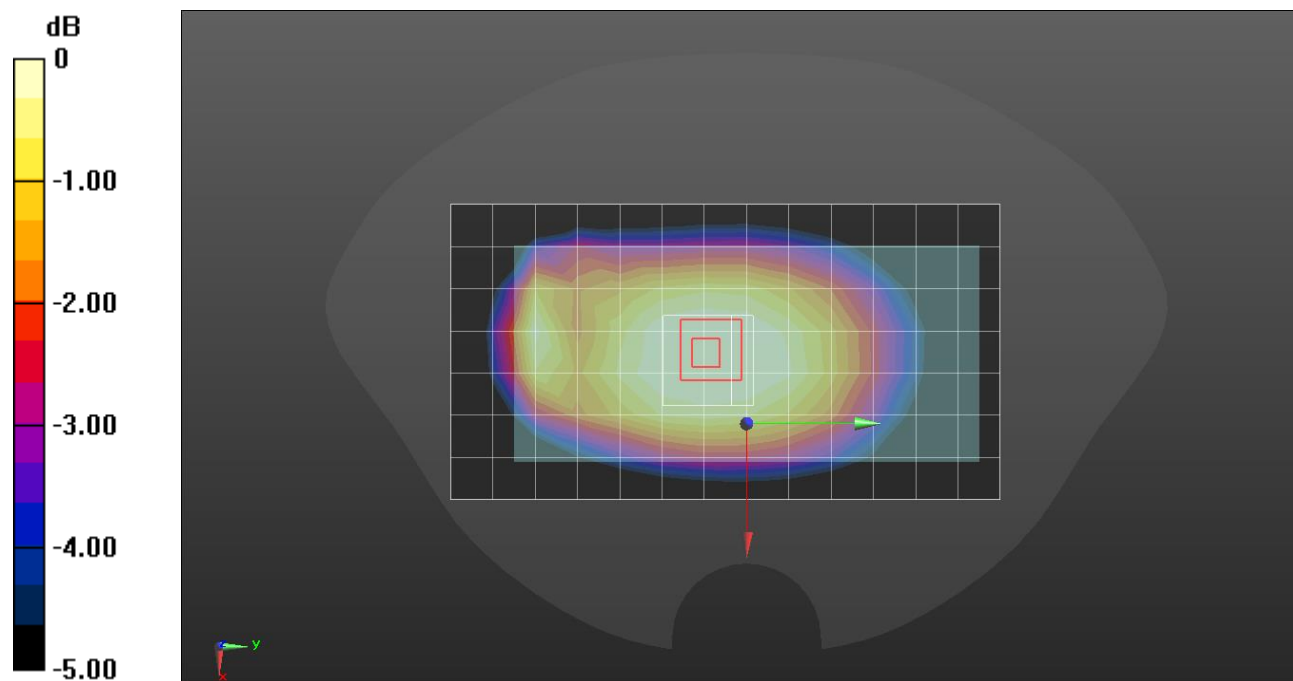
Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 40.434$; $\rho = 1000$ kg/m³

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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 15mm/QPSK RB 1/0 ch.133297/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.350 W/kg

Rear 15mm/QPSK RB 1/0 ch.133297/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 18.33 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.212 W/kg
 Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dBW/kg

LTE Band 71

Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 40.434$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 10mm/QPSK RB 1/0 ch.133297/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.764 W/kg

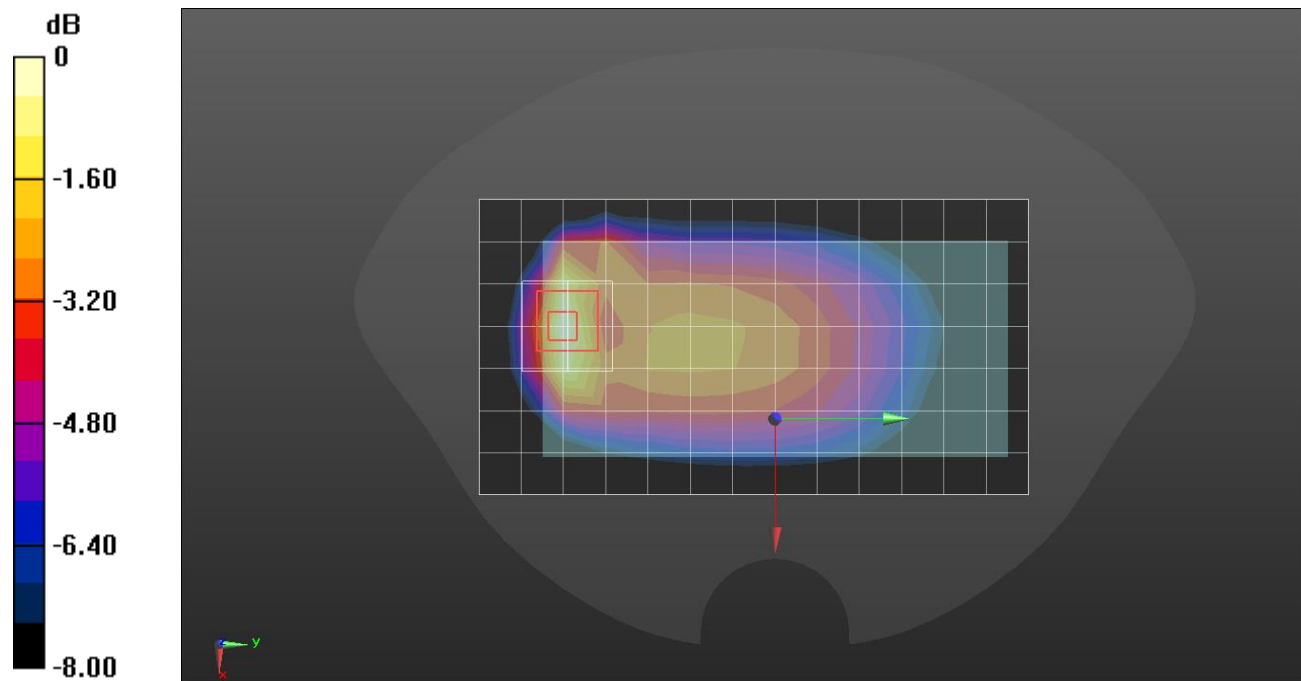
Rear 10mm/QPSK RB 1/0 ch.133297/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.31 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

NR Band n5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.311$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Touch QPSK RB 50/28 ch.167300/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.290 W/kg

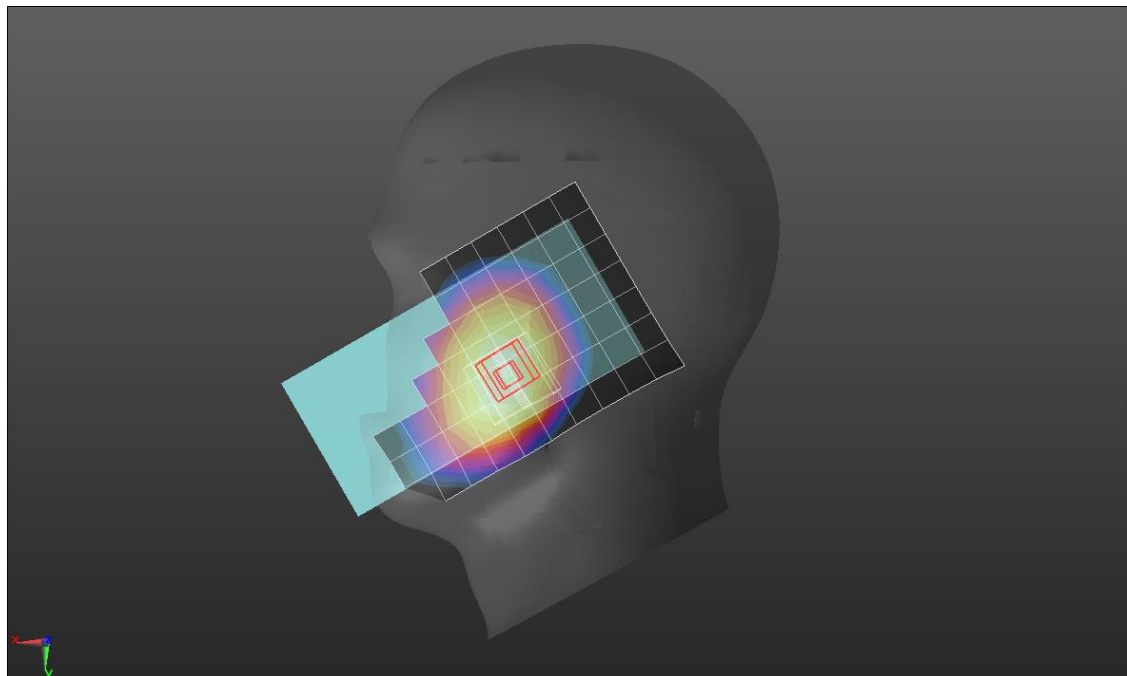
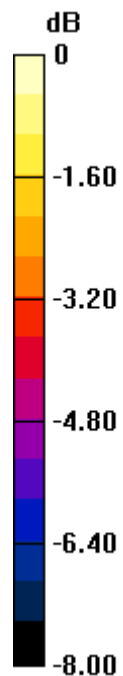
RHS/Touch QPSK RB 50/28 ch.167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.20 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

NR Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.311$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 15mm/QPSK RB 50/28 ch.167300/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.492 W/kg

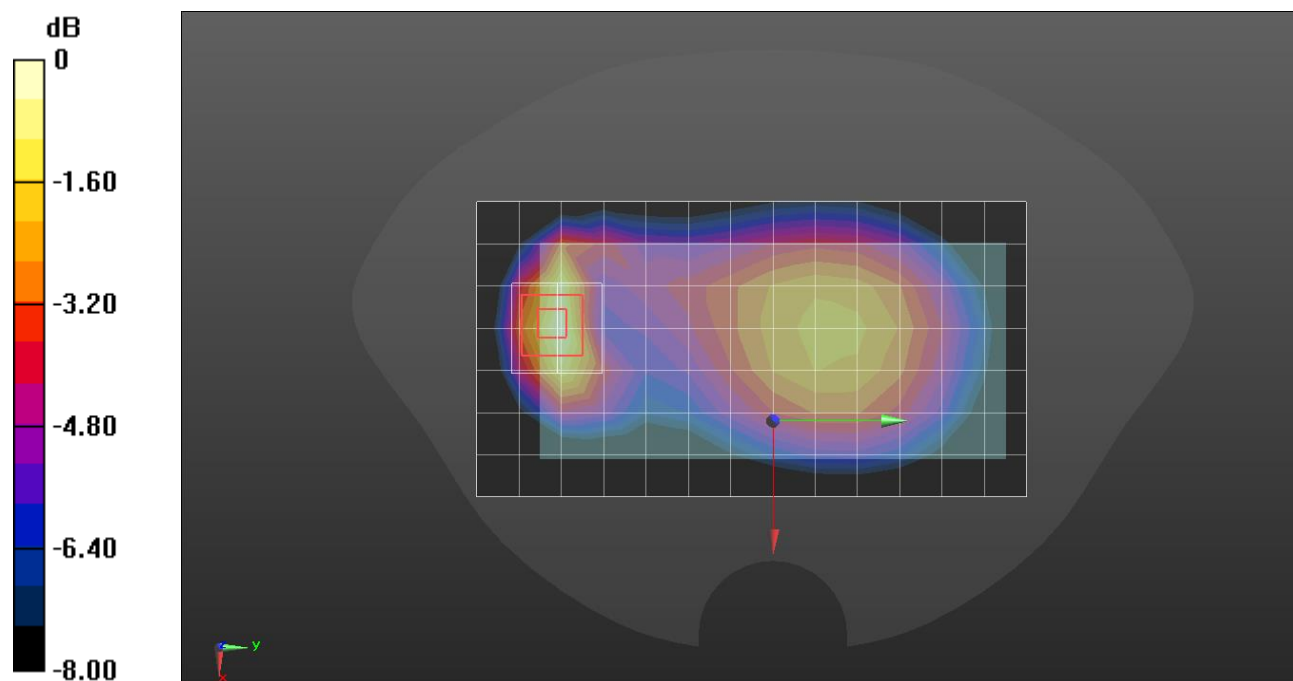
Rear 15mm/QPSK RB 50/28 ch.167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.32 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.617 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.512 W/kg = -2.91 dBW/kg

NR Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.941$ S/m; $\epsilon_r = 41.311$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 836.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 10mm/QPSK RB 50/28 ch.167300 10mm/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.10 W/kg

Rear 10mm/QPSK RB 50/28 ch.167300 10mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

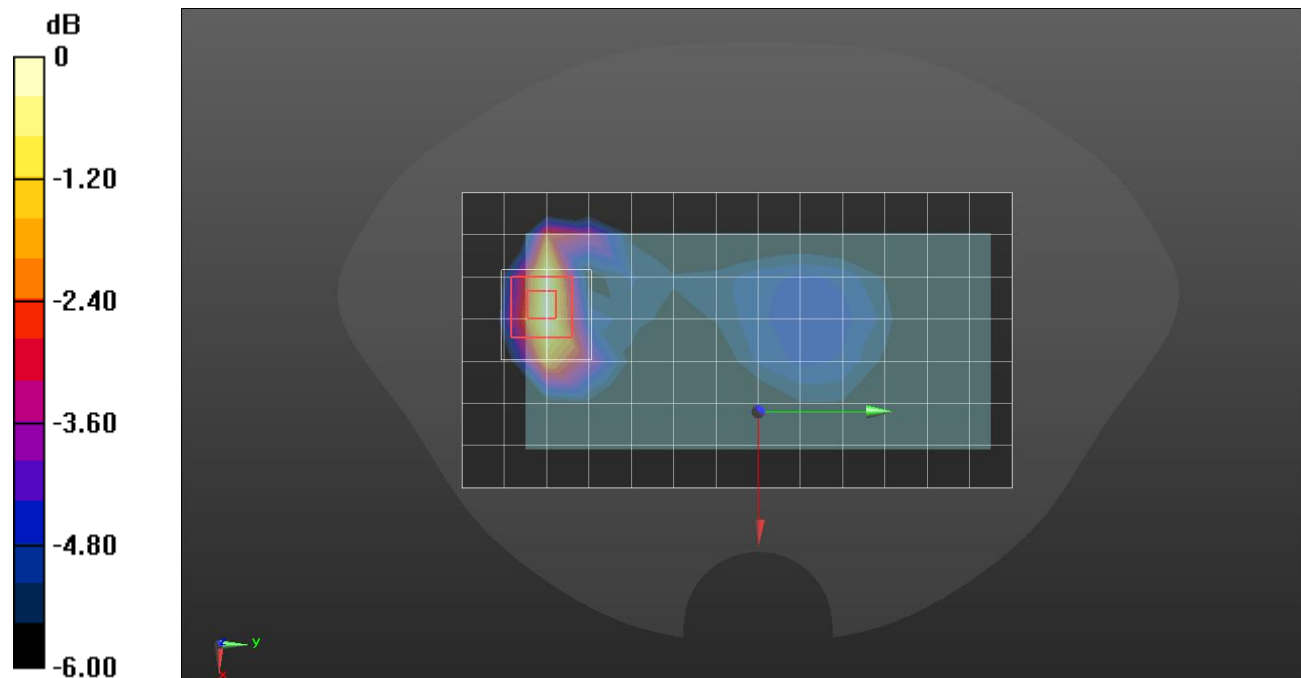
dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.15 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.387 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

Measurement Report for Device, Right Touch, NR Band n25, UID 10934 AAB, Channel 376500 (1882.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n25	5G NR FR1 FDD, 10934-AAB	1882.5, 376500	8.12	1.41	39.3

Hardware Setup

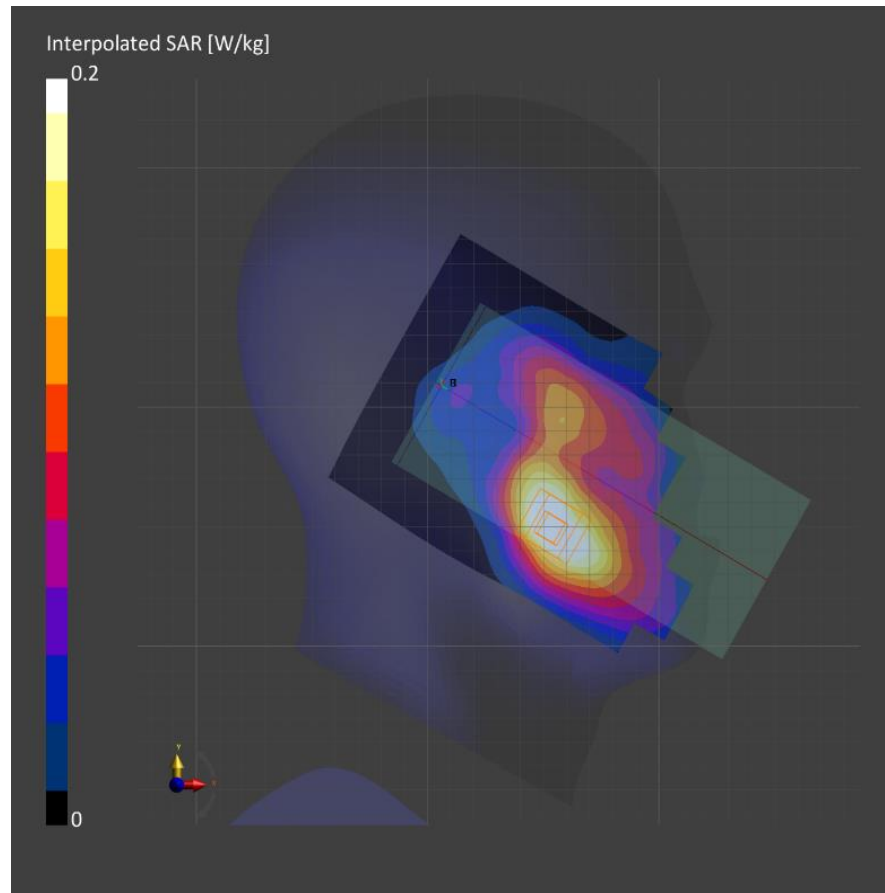
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-06	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.181	0.190
psSAR10g [W/kg]	0.107	0.121
Power Drift [dB]		-0.08



Measurement Report for Device, Rear, NR Band n25, UID 10934 AAB, Channel 376500 (1882.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n25	5G NR FR1 FDD, 10934-AAB	1882.5, 376500	8.12	1.41	39.3

Hardware Setup

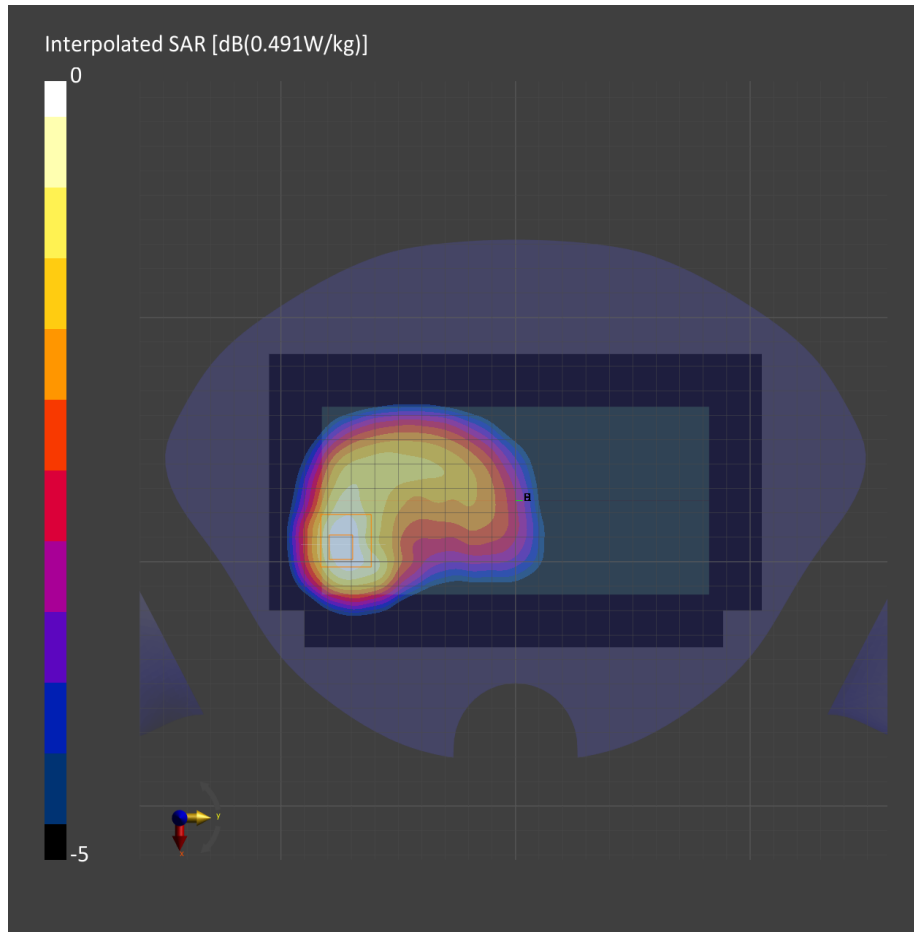
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-06	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.407	0.413
psSAR10g [W/kg]	0.247	0.250
Power Drift [dB]		-0.06



Measurement Report for Device, Rear, NR Band n25, UID 10934 AAB, Channel 376500 (1882.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n25	5G NR FR1 FDD, 10934-AAB	1882.5, 376500	8.12	1.41	39.3

Hardware Setup

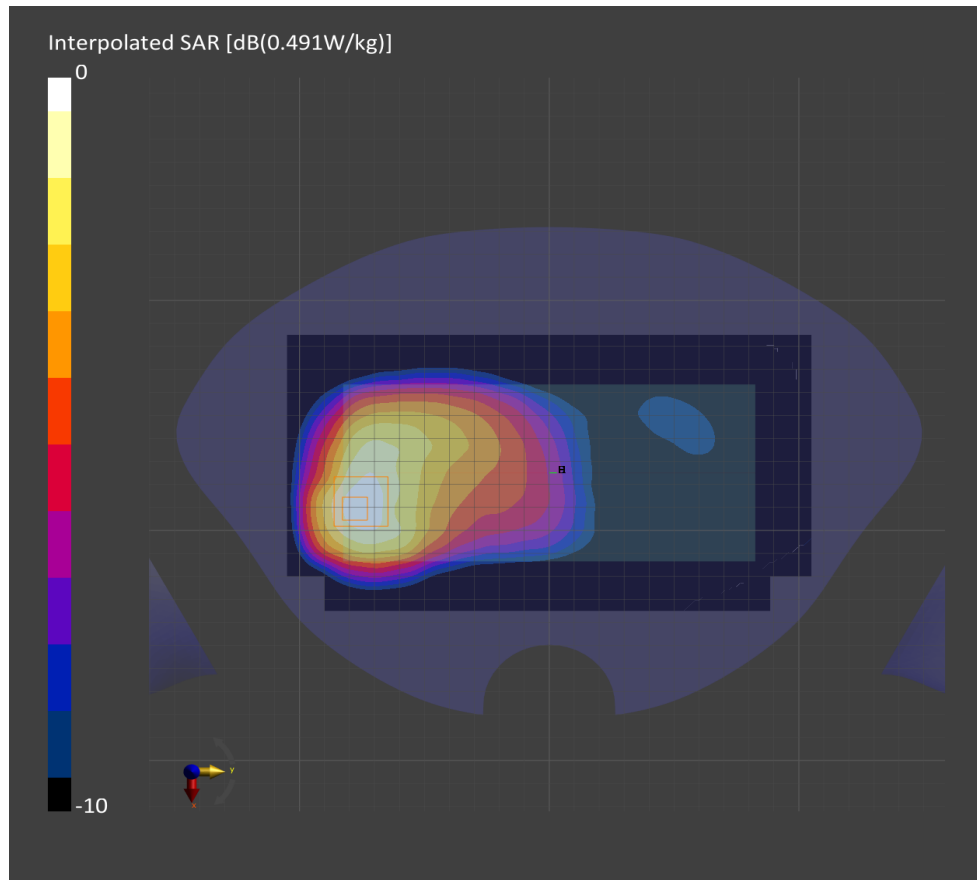
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-06	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.393	0.414
psSAR10g [W/kg]	0.232	0.239
Power Drift [dB]		-0.06



Measurement Report for Device, Right Touch, NR Band n30, UID 10937 AAB, Channel 462000 (2310.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n30	5G NR FR1 FDD, 10937-AAB	2310.0, 462000	8.66	1.66	37.8

Hardware Setup

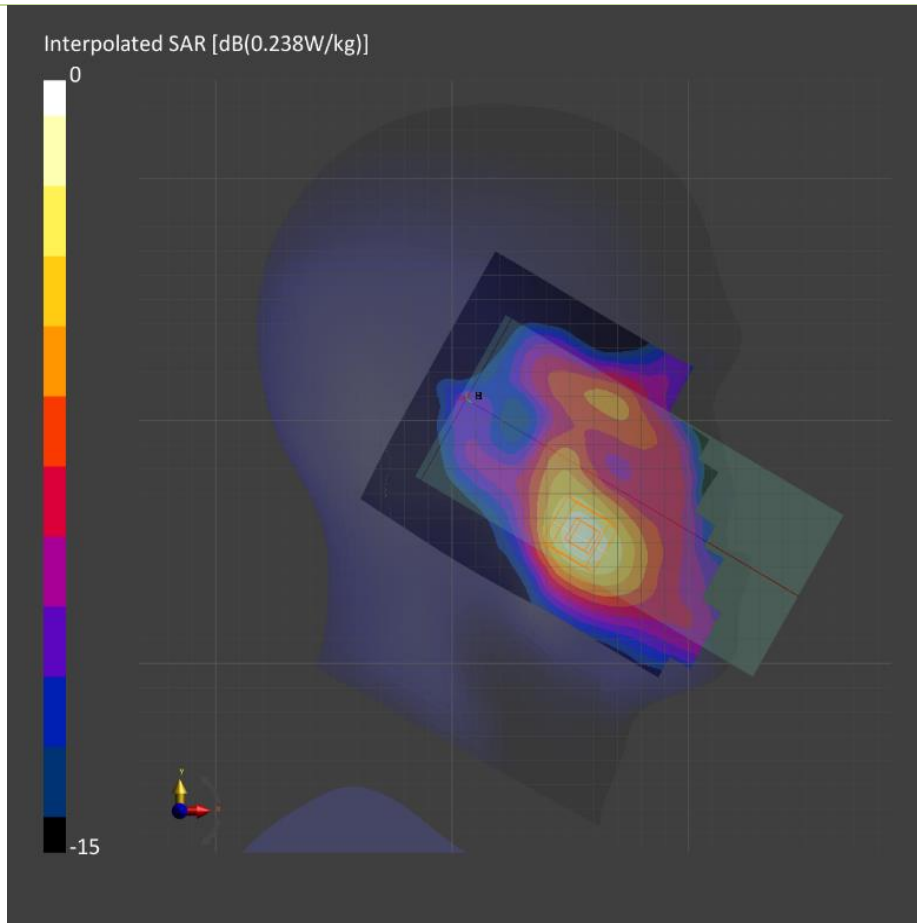
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-07	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.134	0.138
psSAR10g [W/kg]	0.073	0.078
Power Drift [dB]		-0.04



Measurement Report for Device, Rear, NR Band n30, UID 10937 AAB, Channel 462000 (2310.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n30	5G NR FR1 FDD, 10937-AAB	2310.0, 462000	8.66	1.66	37.8

Hardware Setup

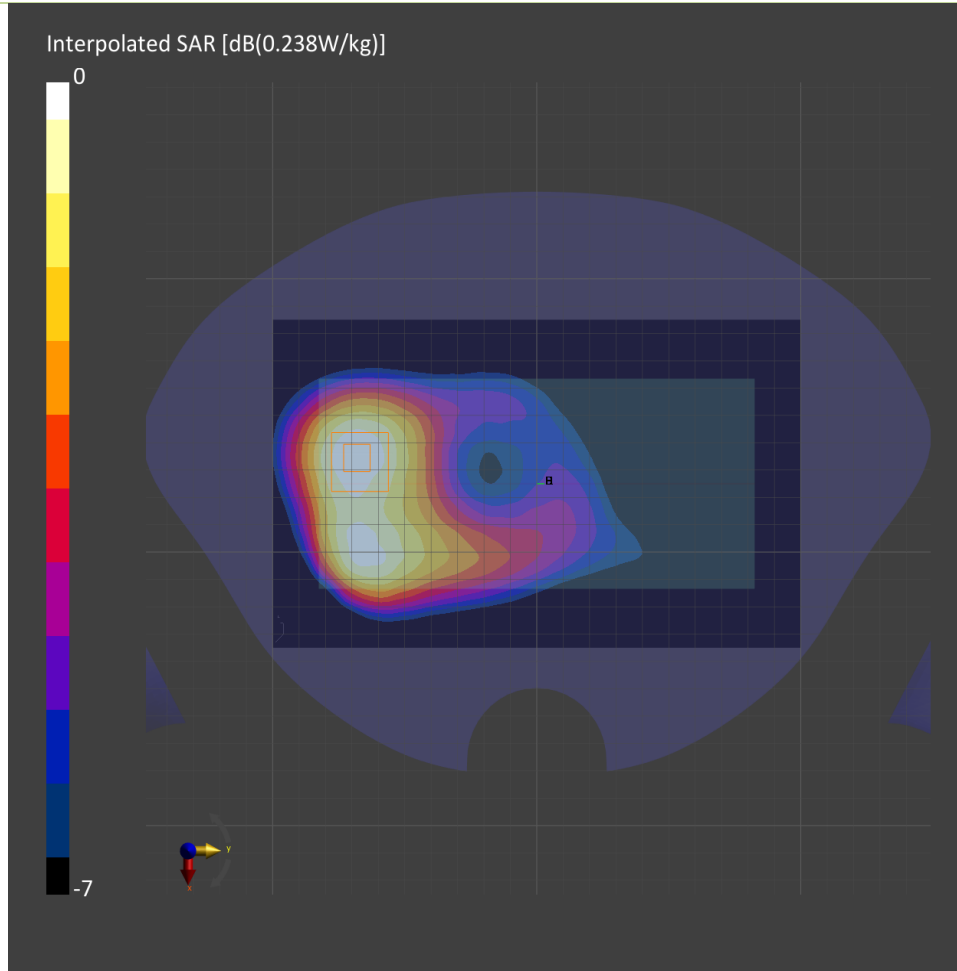
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-07	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.194	0.200
psSAR10g [W/kg]	0.113	0.120
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, NR Band n30, UID 10937 AAB, Channel 462000 (2310.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n30	5G NR FR1 FDD, 10937-AAB	2310.0, 462000	8.66	1.66	37.8

Hardware Setup

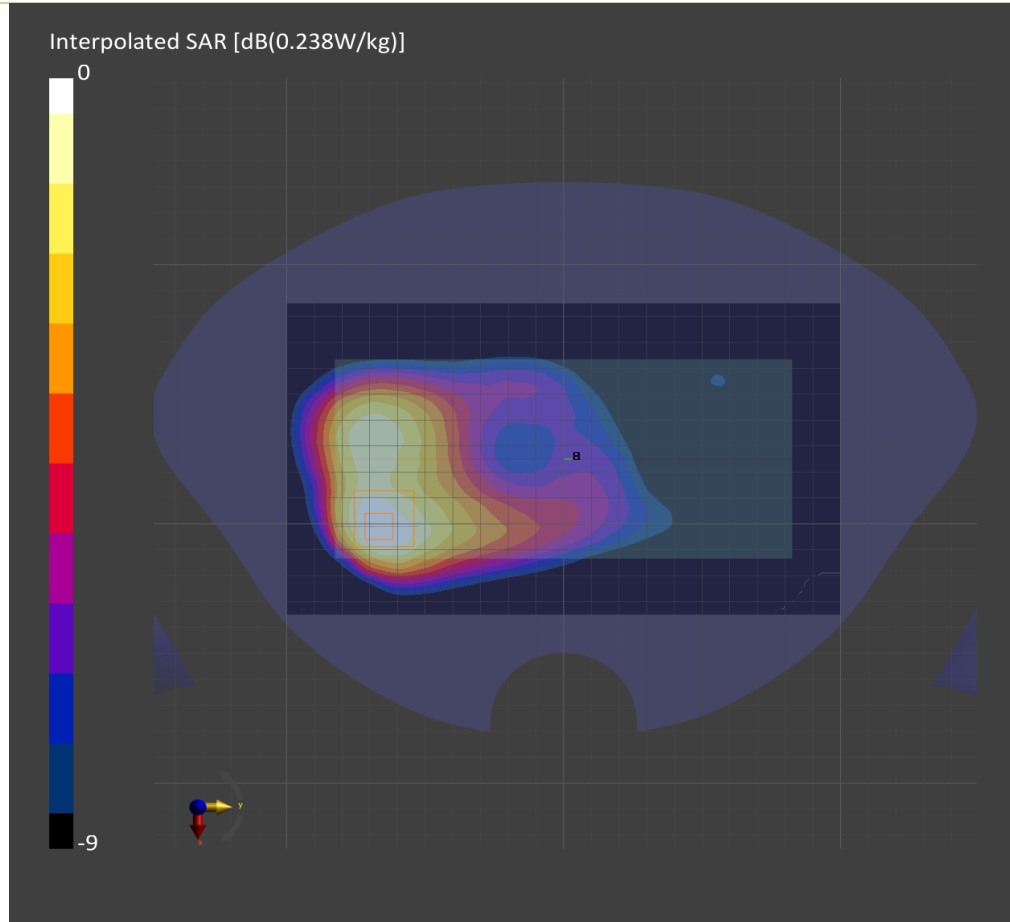
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000 Charge:xxxx, 2022-Jun-07	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.197	0.193
psSAR10g [W/kg]	0.109	0.106
Power Drift [dB]		0.02



Measurement Report for Device, Right Touch, NR Band n41, UID 10866 AAD, Channel 518598 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, HSL	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAD	2593.0, 518598	7.3	1.91	39.4

Hardware Setup

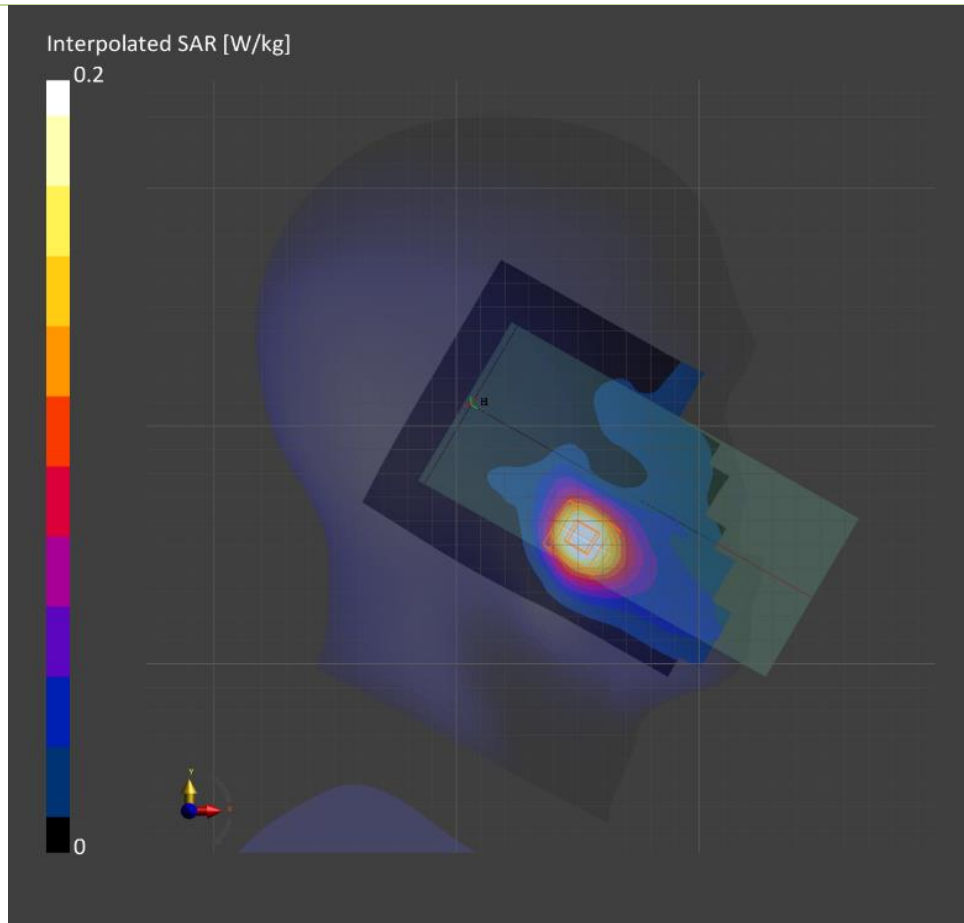
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-17	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-19	2022-06-19
psSAR1g [W/kg]	0.177	0.188
psSAR10g [W/kg]	0.088	0.094
Power Drift [dB]		-0.01



Measurement Report for Device, Rear, NR Band n41, UID 10866 AAD, Channel 518598 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n41	5G NR FR1 TDD, 10866-AAD	2593.0, 518598	7.3	1.91	39.4

Hardware Setup

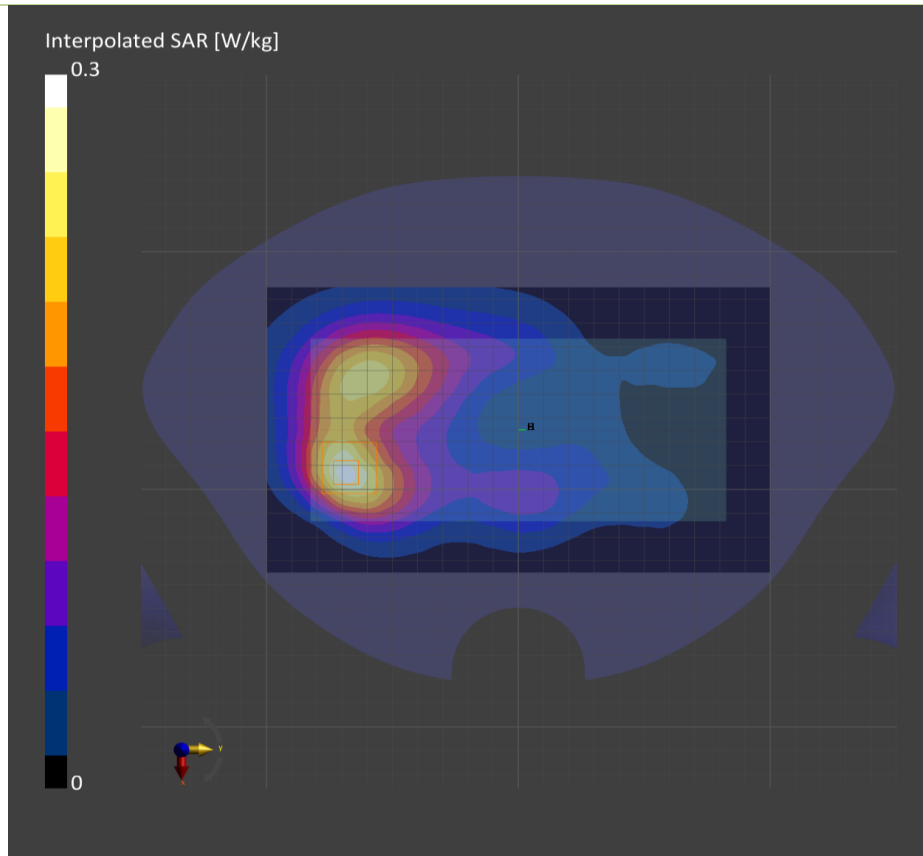
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-17	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.227	0.230
psSAR10g [W/kg]	0.121	0.119
Power Drift [dB]		-0.10



Measurement Report for Device, Rear, NR Band n41, UID 10917 AAB, Channel 518598 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n41	5G NR FR1 TDD, 10917-AAB	2593.0, 518598	7.3	1.91	39.4

Hardware Setup

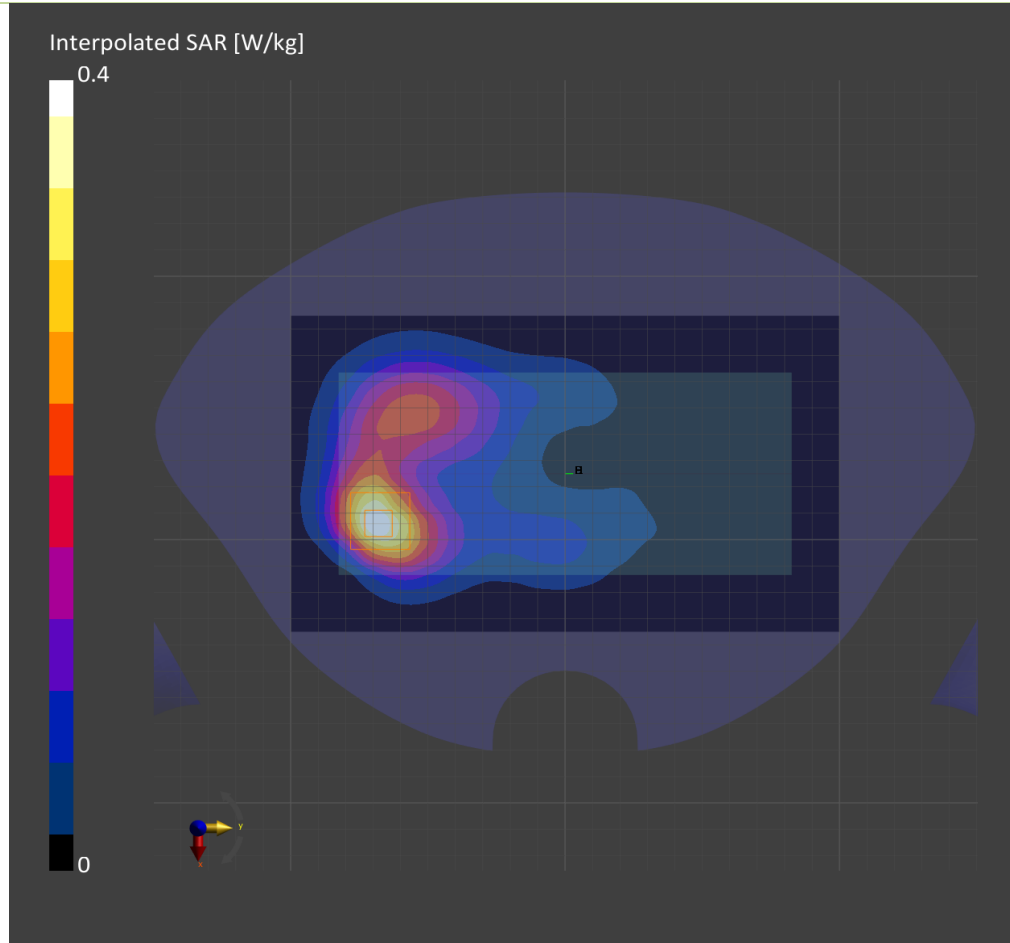
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-17	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-19	2022-06-19
psSAR1g [W/kg]	0.314	0.320
psSAR10g [W/kg]	0.158	0.156
Power Drift [dB]		0.04



NR Band n66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.337 \text{ S/m}$; $\epsilon_r = 39.17$; $\rho = 1000 \text{ kg/m}^3$

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: 9/27/2021
- Probe: EX3DV4 - SN7330; ConvF(8.9, 8.9, 8.9) @ 1745 MHz; Calibrated: 1/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

LHS/Touch QPSK 108/54 ch.349000/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.259 W/kg

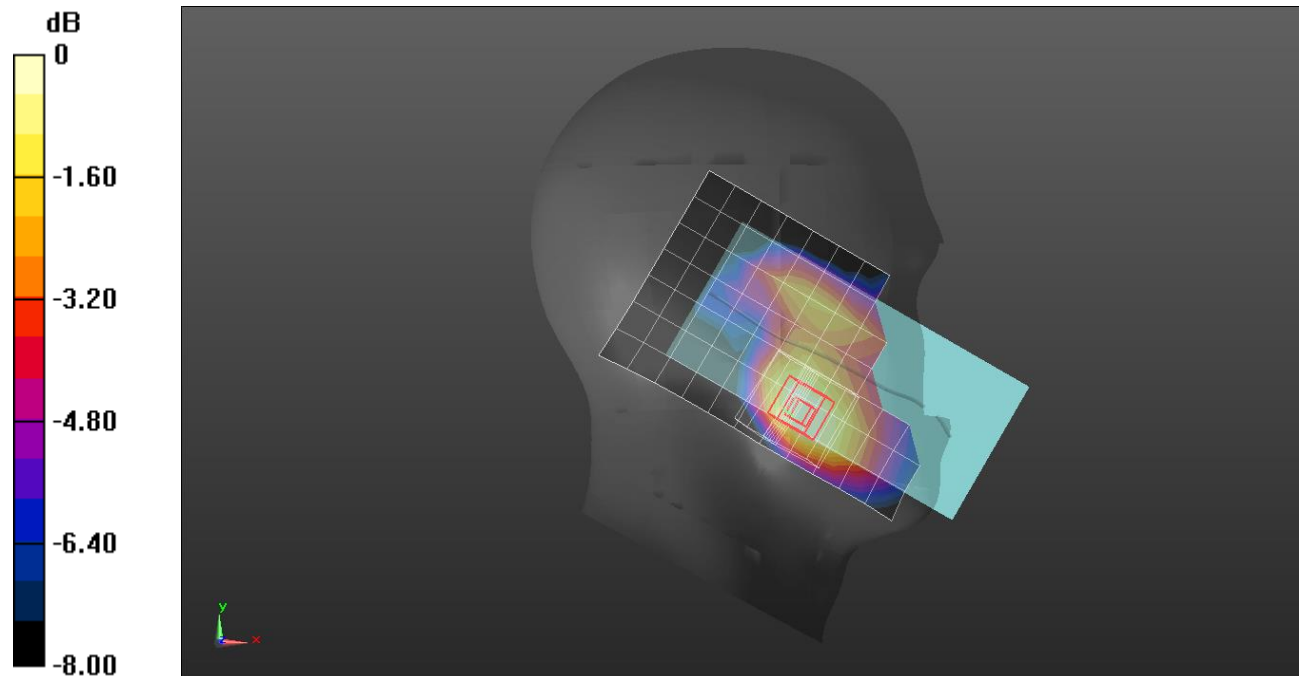
LHS/Touch QPSK 108/54 ch.349000/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.89 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg = -5.99 dBW/kg

Measurement Report for Device, Front, NR Band n66, UID 10942 AAB, Channel 349000 (1745.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 15.00	Band n66	5G NR FR1 FDD, 10942-AAB	1745.0, 349000	8.37	1.33	39.5

Hardware Setup

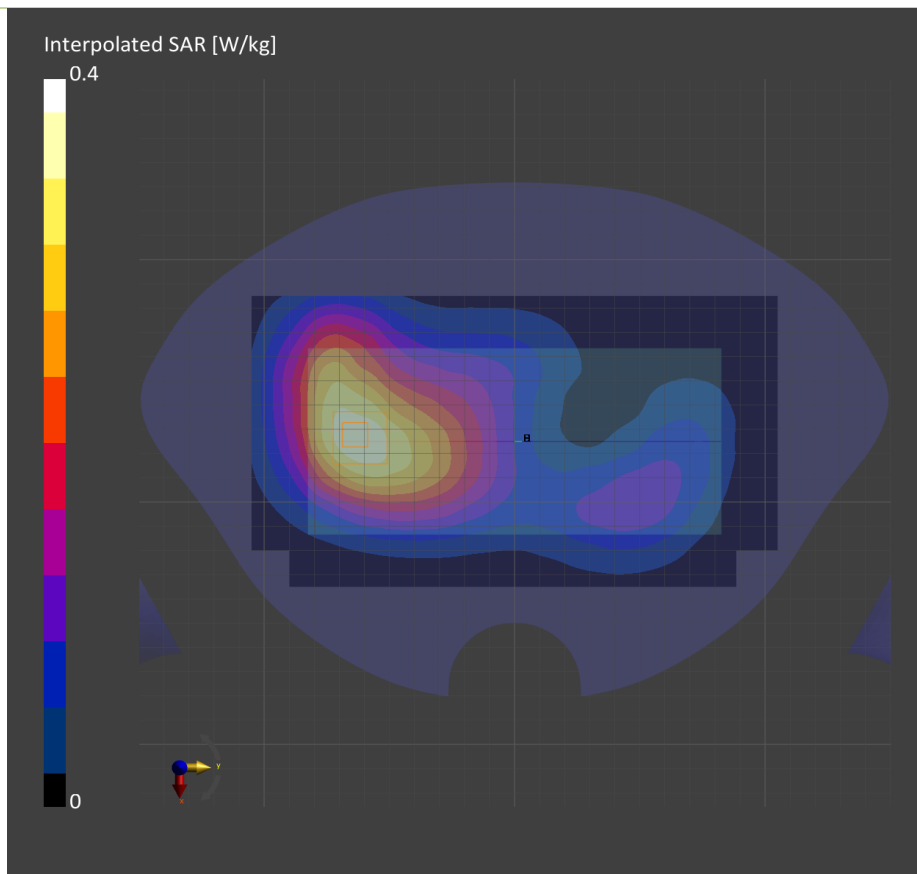
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-06	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-07	2022-06-07
psSAR1g [W/kg]	0.309	0.321
psSAR10g [W/kg]	0.195	0.207
Power Drift [dB]		0.04



Measurement Report for Device, Rear, LTE Band n66, UID 10934 AAB, Channel 349000 (1745.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n66	5G NR FR1 FDD, 10934-AAB	1745.0, 349000	8.37	1.33	39.5

Hardware Setup

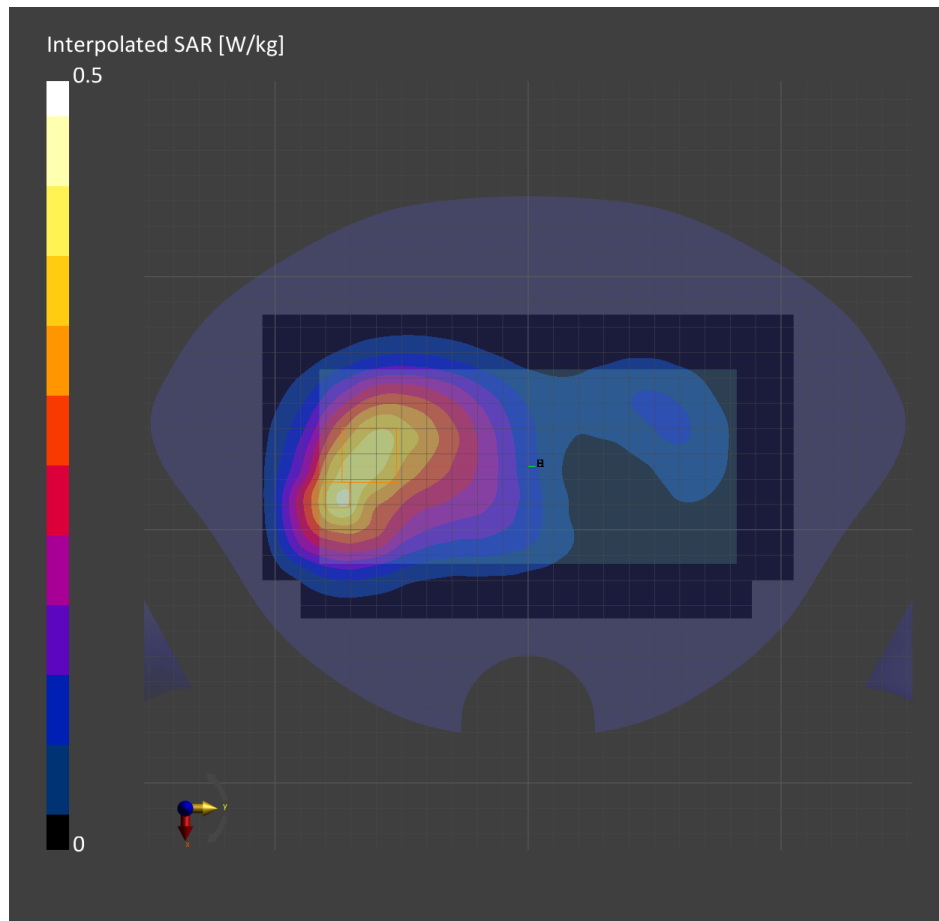
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-06	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-08	2022-06-08
psSAR1g [W/kg]	0.350	0.357
psSAR10g [W/kg]	0.214	0.227
Power Drift [dB]		-0.02



NR Band n70

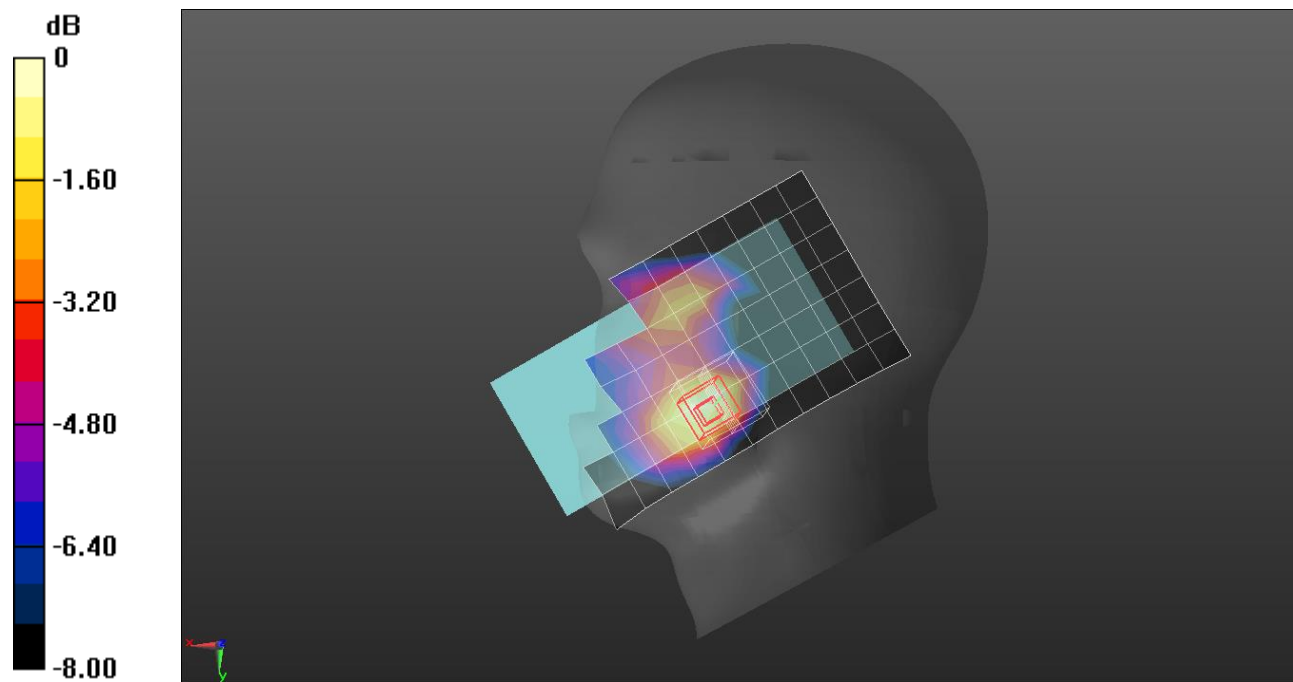
Frequency: 1702.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.326$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ kg/m³

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(9.14, 9.14, 9.14) @ 1702.5 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

RHS/ Touch QPSK 36/22 ch.340500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.172 W/kg

RHS /Touch QPSK 36/22 ch.340500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 10.06 V/m; Power Drift = 0.19 dB
 Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.085 W/kg
 Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.177 W/kg = -7.52 dBW/kg

NR Band n70

Frequency: 1702.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.326$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(9.14, 9.14, 9.14) @ 1702.5 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear 15mm/QPSK RB 1/77 ch.340500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.389 W/kg

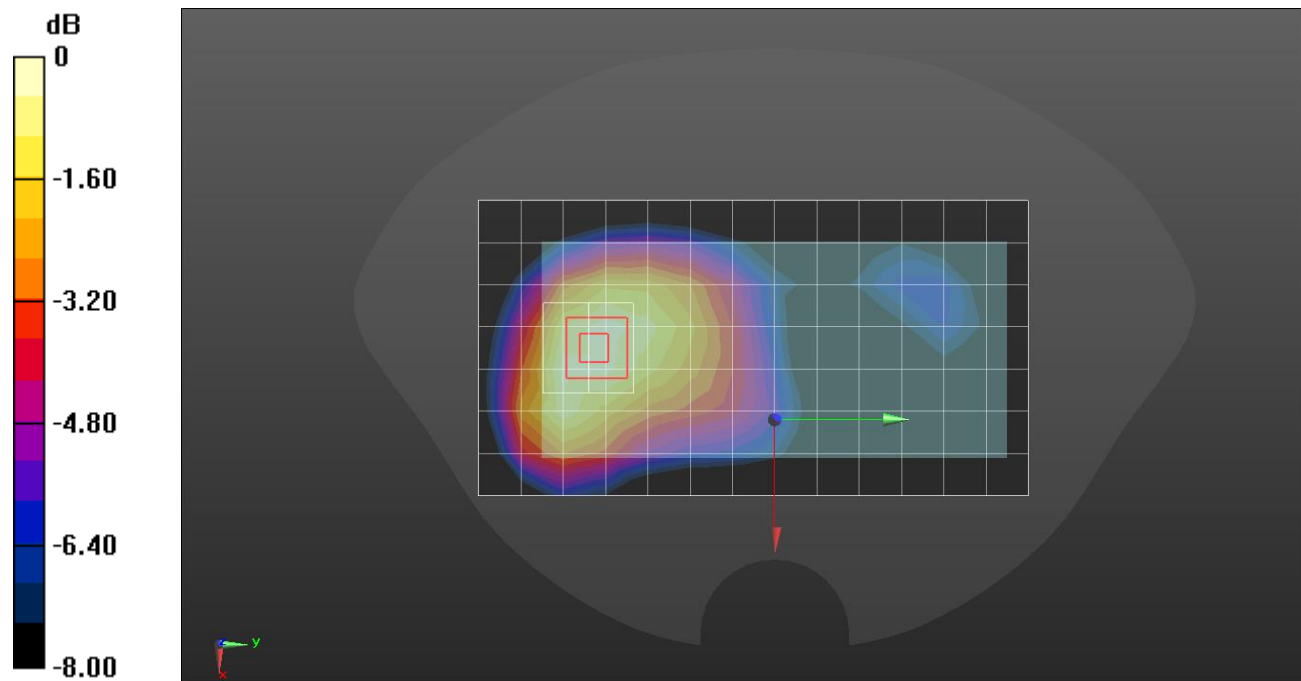
Rear 15mm/QPSK RB 1/77 ch.340500/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.22 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg = -3.89 dBW/kg

NR Band n70

Frequency: 1702.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1702.5$ MHz; $\sigma = 1.326$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7652; ConvF(9.14, 9.14, 9.14) @ 1702.5 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Rear 10mm/QPSK RB 1/77 ch.340500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.371 W/kg

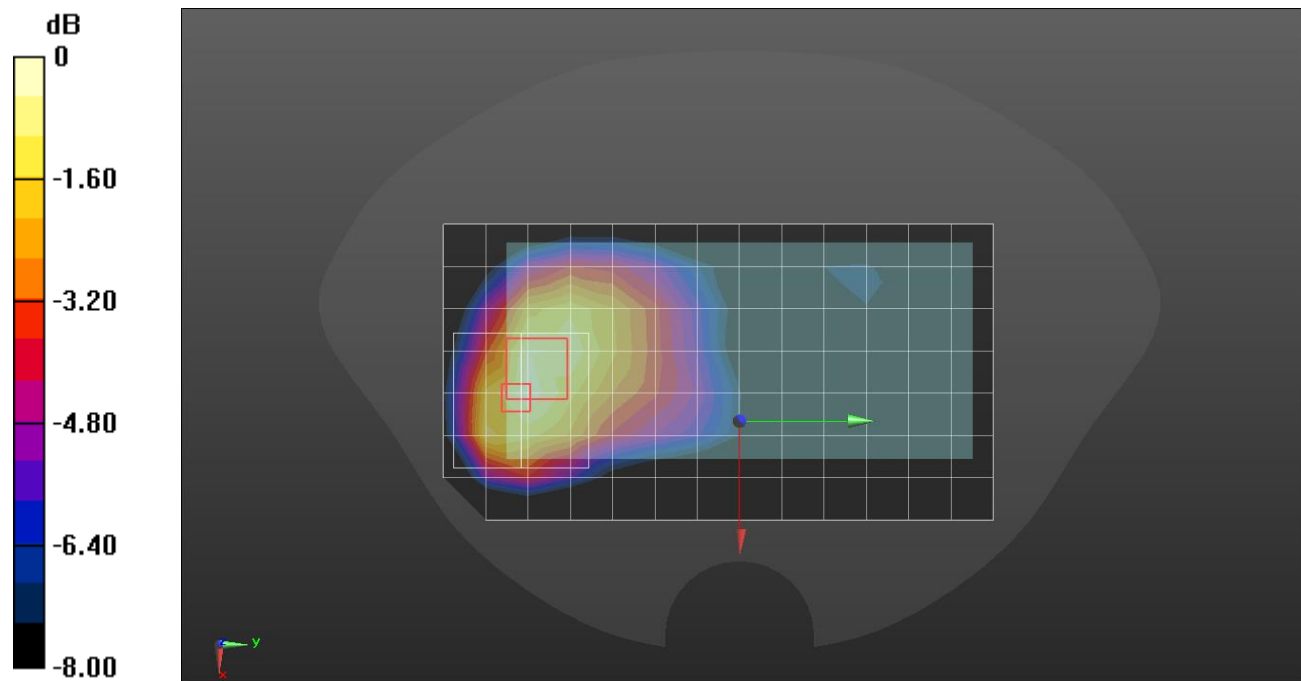
Rear 10mm/QPSK RB 1/77 ch.340500/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.72 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.380 W/kg



0 dB = 0.380 W/kg = -4.20 dBW/kg

NR band n71

Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.823$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Touch QPSK 1/104 ch.136100/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.200 W/kg

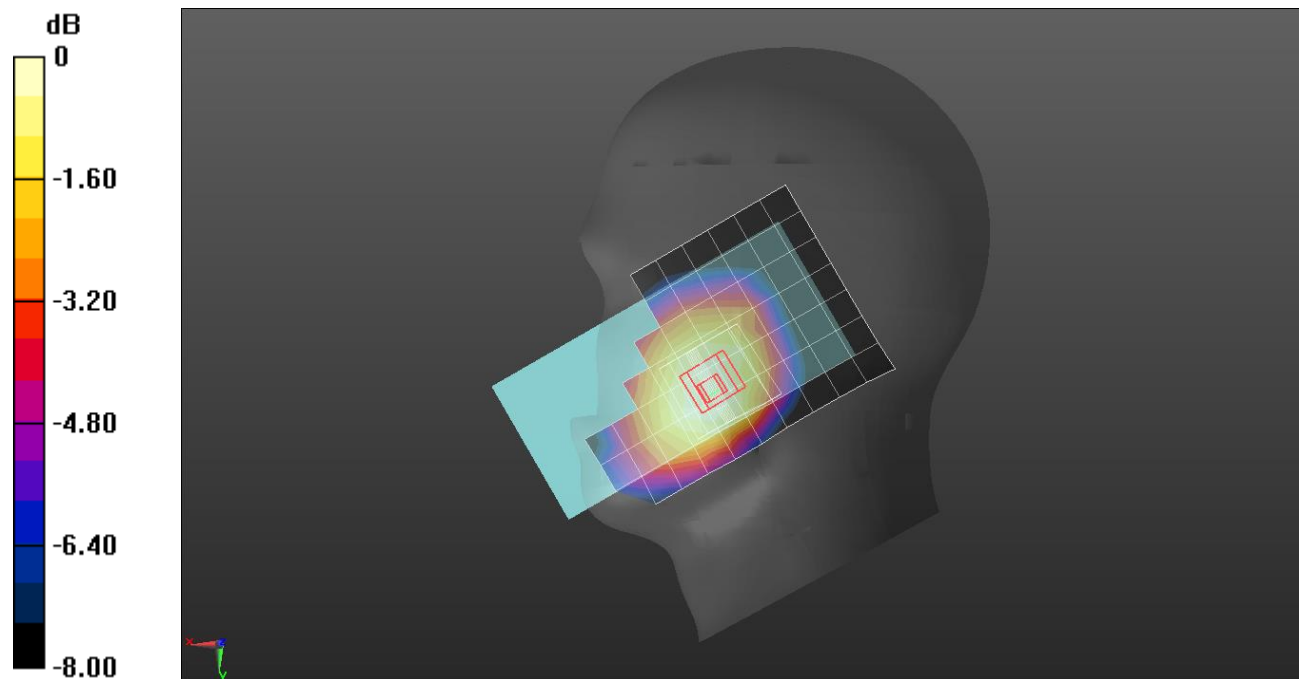
RHS /Touch QPSK 1/104 ch.136100/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.98 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg = -7.19 dBW/kg

NR Band n71

Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.823$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 15mm/QPSK RB 50/28_ch 136100/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.274 W/kg

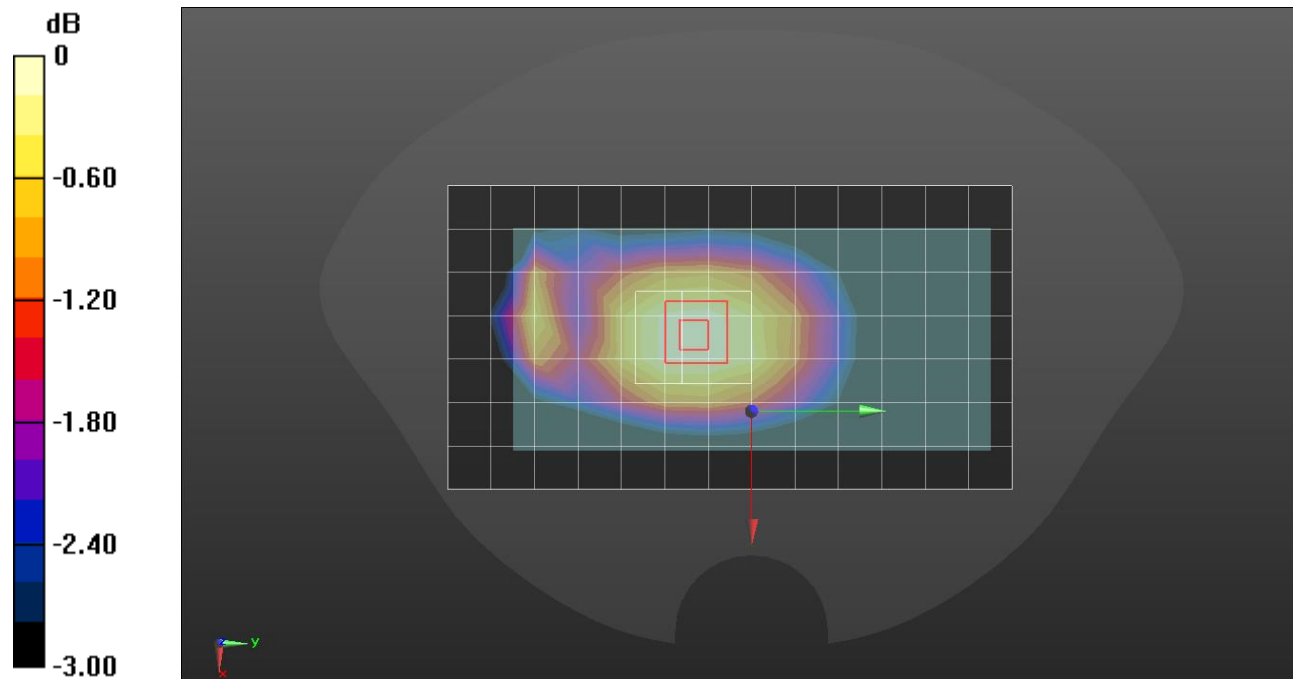
Rear 15mm/QPSK RB 50/28_ch 136100/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.63 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg = -5.54 dBW/kg

NR Band n71

Frequency: 680.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.823$; $\rho = 1000$ 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 Sn1447; Calibrated: 3/25/2022
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 680.5 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear 10mm/QPSK RB 50/28 ch.136100/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.625 W/kg

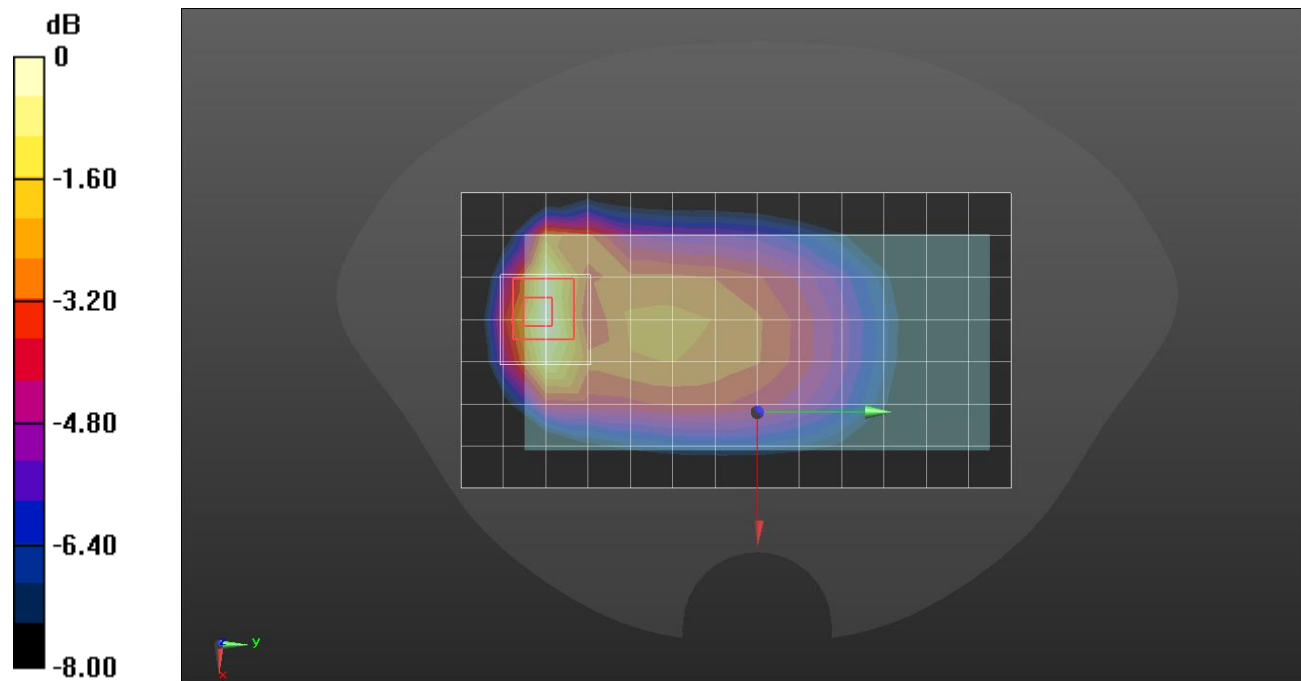
Rear 10mm/QPSK RB 50/28 ch.136100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.81 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.624 W/kg



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

Measurement Report for Device, Right Touch, NR Band n48, UID 10903 AAB, Channel 640444 (3606.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n48	5G NR FR1 TDD, 10903-AAB	3606.7, 640444	6.88	2.97	37.1

Hardware Setup

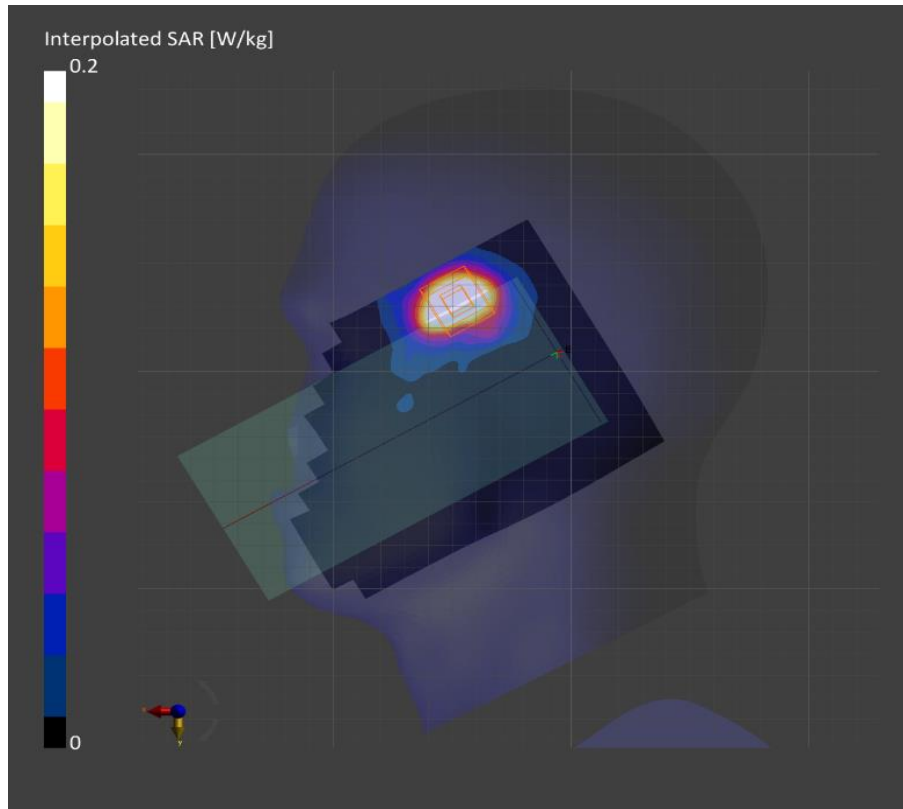
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.298	0.319
psSAR10g [W/kg]	0.113	0.114
Power Drift [dB]		-0.15



Measurement Report for Device, Rear, NR Band n48, UID 10913 AAB, Channel 640444 (3606.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n48	5G NR FR1 TDD, 10913-AAB	3606.7, 640444	6.88	2.97	37.1

Hardware Setup

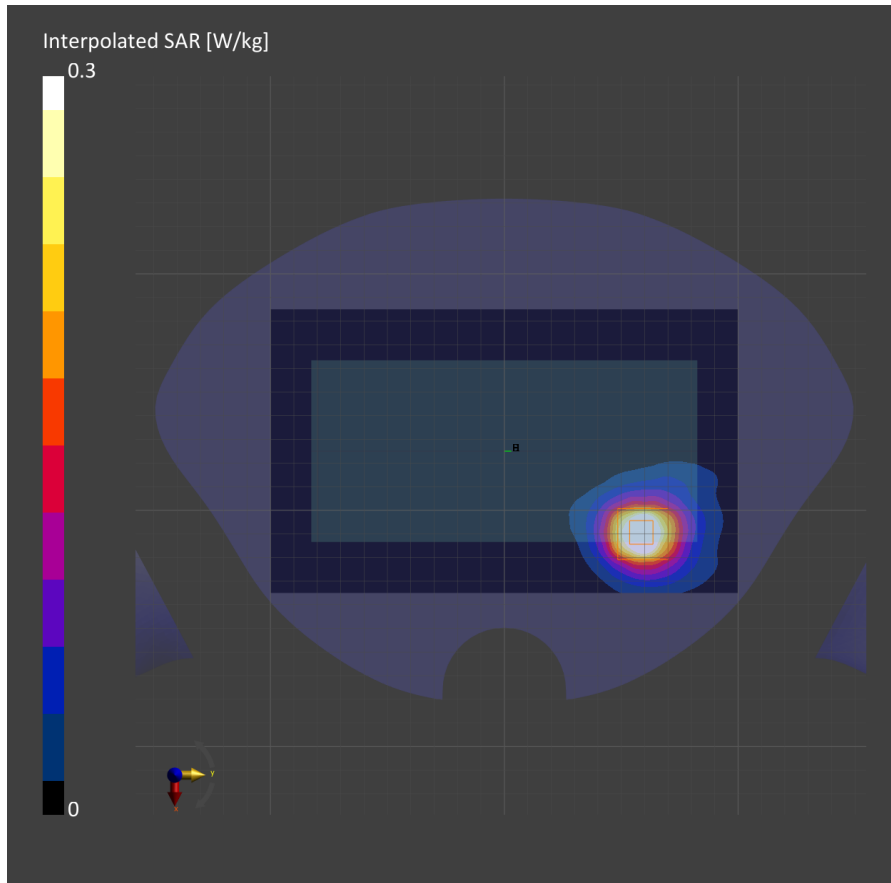
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-19	2022-06-19
psSAR1g [W/kg]	0.282	0.300
psSAR10g [W/kg]	0.119	0.122
Power Drift [dB]		-0.05



Measurement Report for Device, Rear, NR Band n48, UID 10913 AAB, Channel 640444 (3606.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n48	5G NR FR1 TDD, 10913-AAB	3606.7, 640444	6.88	2.97	37.1

Hardware Setup

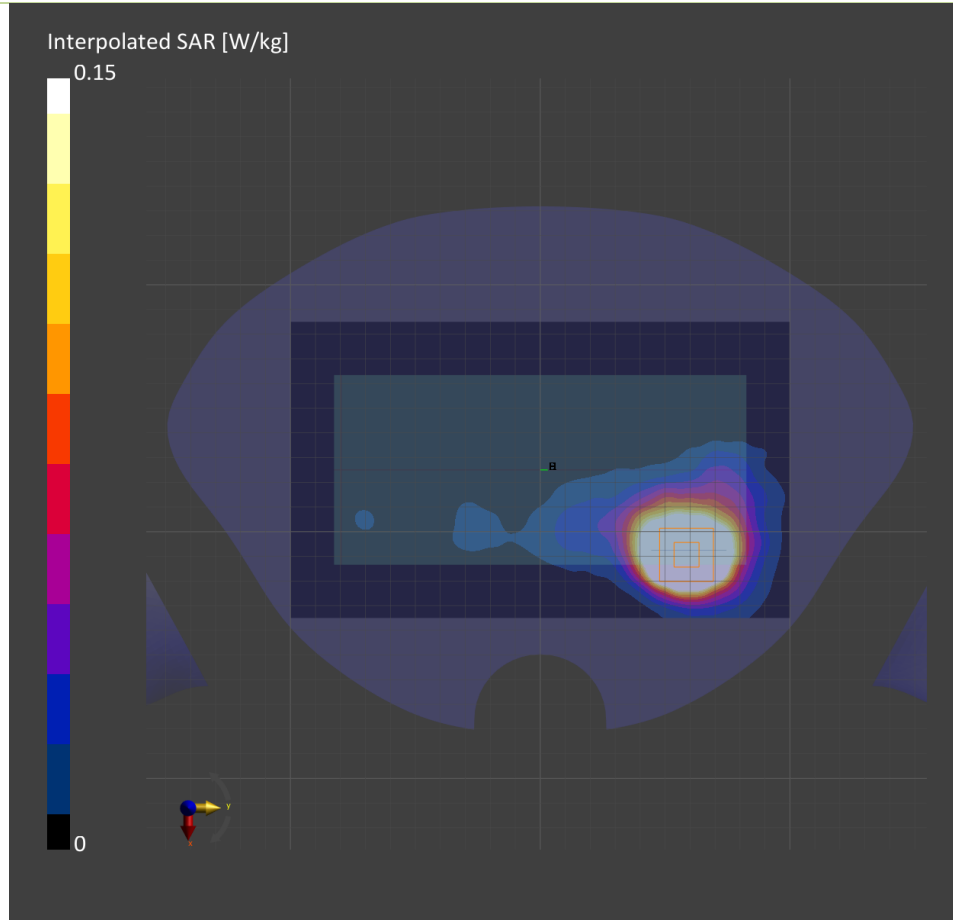
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-19	2022-06-19
psSAR1g [W/kg]	0.618	0.735
psSAR10g [W/kg]	0.234	0.256
Power Drift [dB]		0.03



NR Band n48 SRS2

Frequency: 3643.32 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 3643.32$ MHz; $\sigma = 3.008$ S/m; $\epsilon_r = 38.282$; $\rho = 1000$ 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 Sn1343; Calibrated: 8/23/2021
- Probe: EX3DV4 - SN7313; ConvF(6.88, 6.88, 6.88) @ 3643.32 MHz; Calibrated: 3/2/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1877

RHS/Tilt CW ch.642888/Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.924 W/kg

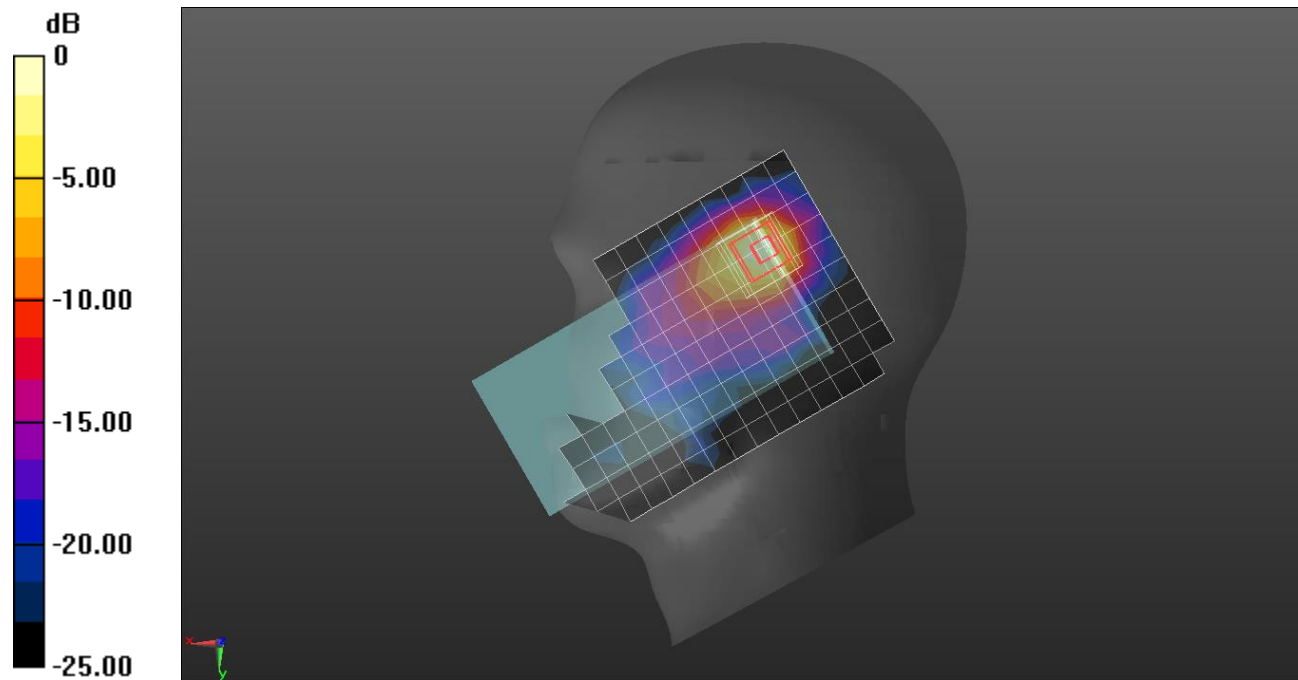
RHS/Tilt CW ch.642888/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 13.85 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.800 W/kg



0 dB = 0.800 W/kg = -0.97 dBW/kg

Measurement Report for Device, BACK, Band n48, UID 10903 AAB, Channel 640444 (3606.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n48	5G NR FR1 TDD, 10903-AAB	3606.7, 640444	6.88	2.97	37.1

Hardware Setup

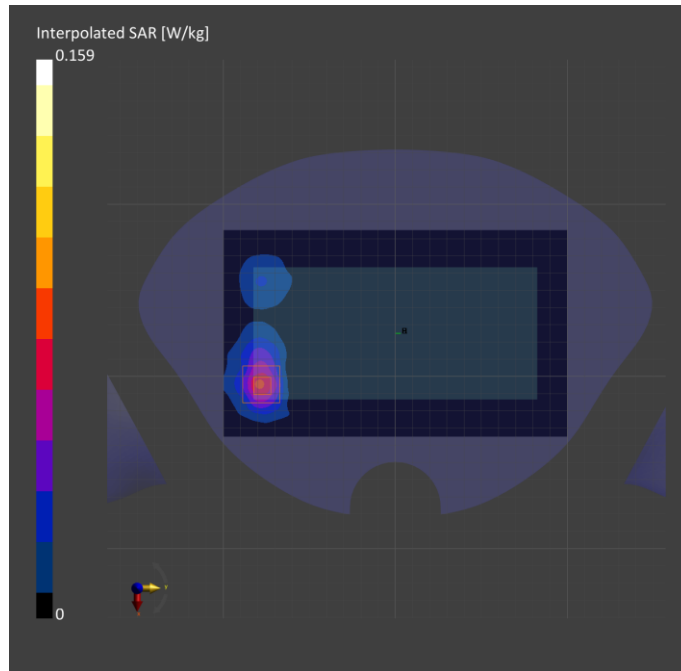
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000 Charge:xxxx, 2022-Jun-17	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17, 11:02	2022-06-17, 11:08
psSAR1g [W/kg]	0.060	0.061
psSAR10g [W/kg]	0.025	0.023
Power Drift [dB]		0.10



Measurement Report for Device, Rear, NR Band n48 SRS3, UID 10903 AAB, Channel 640444 (3606.7MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n48	5G NR FR1 TDD, 10903-AAB	3606.7, 640444	6.88	2.97	37.1

Hardware Setup

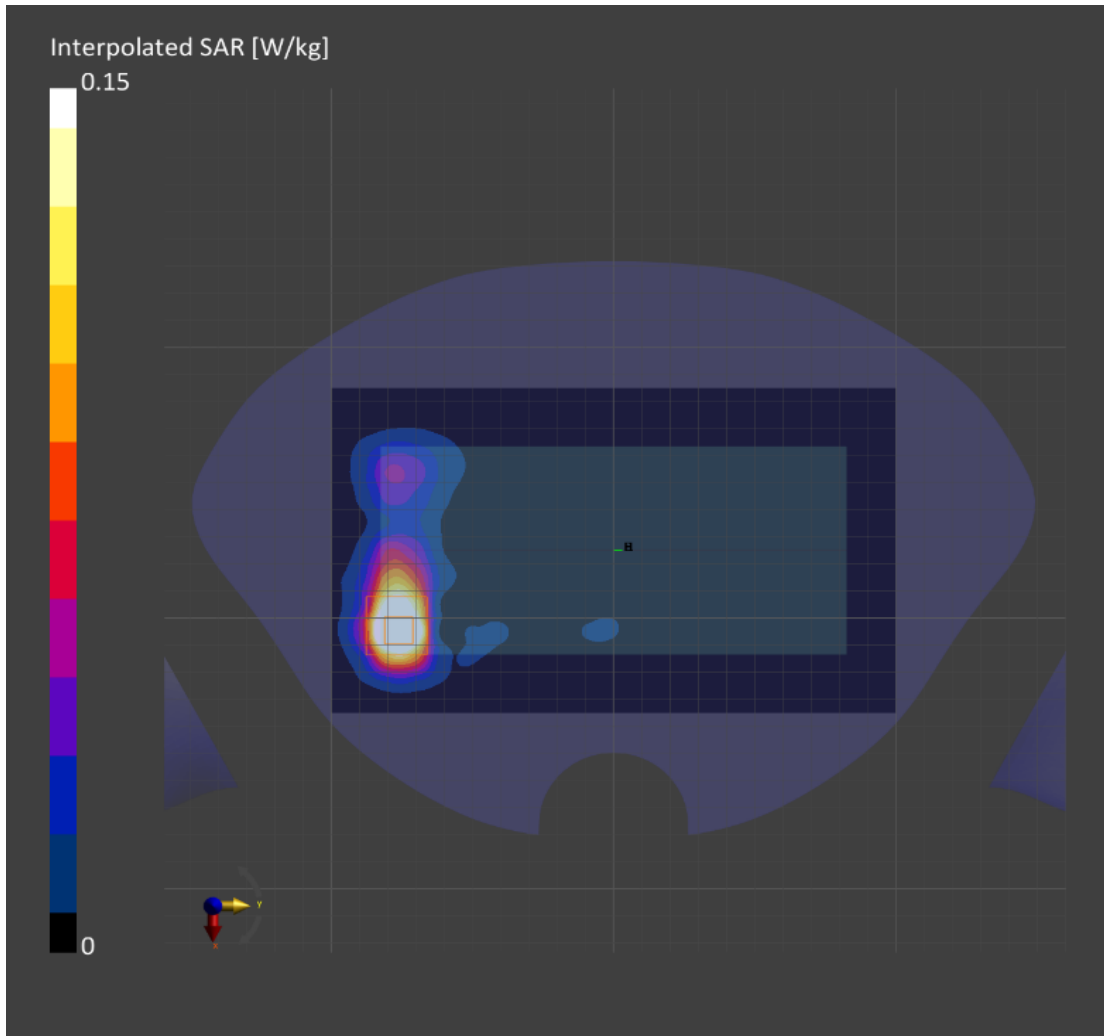
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.178	0.197
psSAR10g [W/kg]	0.066	0.068
Power Drift [dB]		0.09



Measurement Report for Device, Right Touch, NR Band n77, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.36	37.4

Hardware Setup

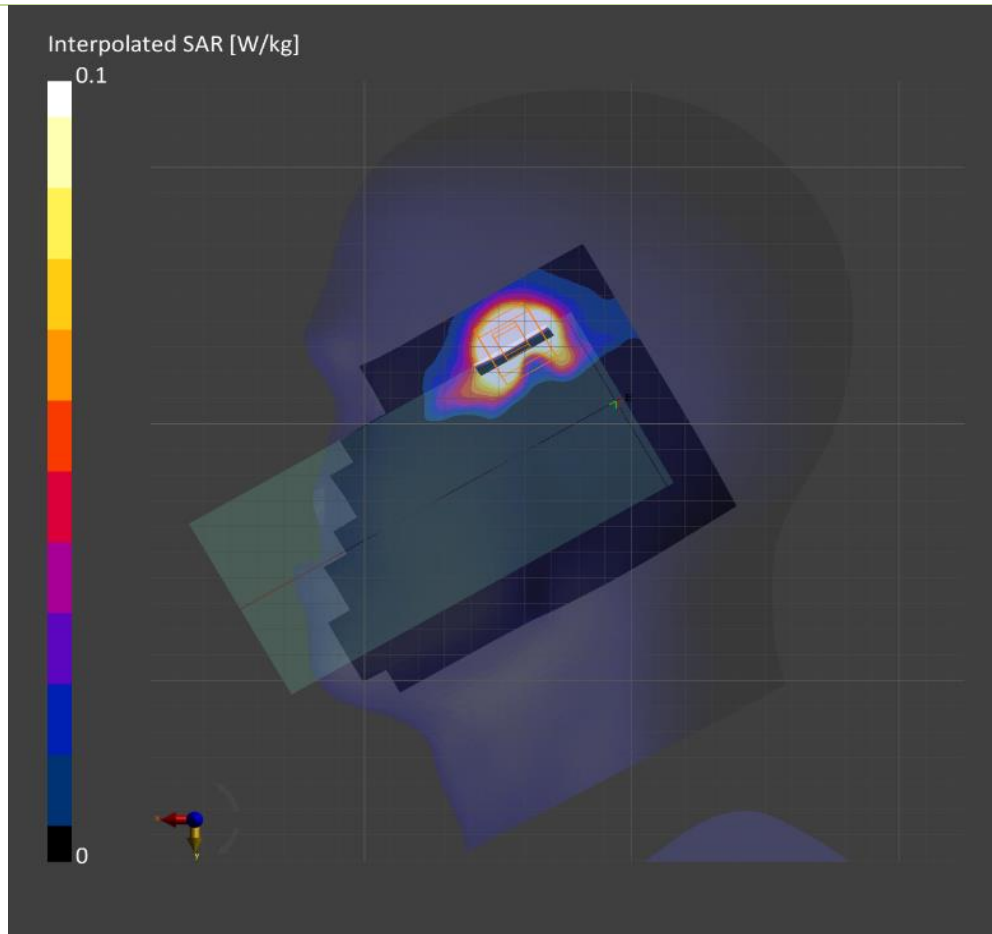
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	4.5 x 4.5 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-18	2022-06-18
psSAR1g [W/kg]	0.223	0.231
psSAR10g [W/kg]	0.077	0.073
Power Drift [dB]		-0.12



Measurement Report for Device, Rear, NR Band n77, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.36	37.4

Hardware Setup

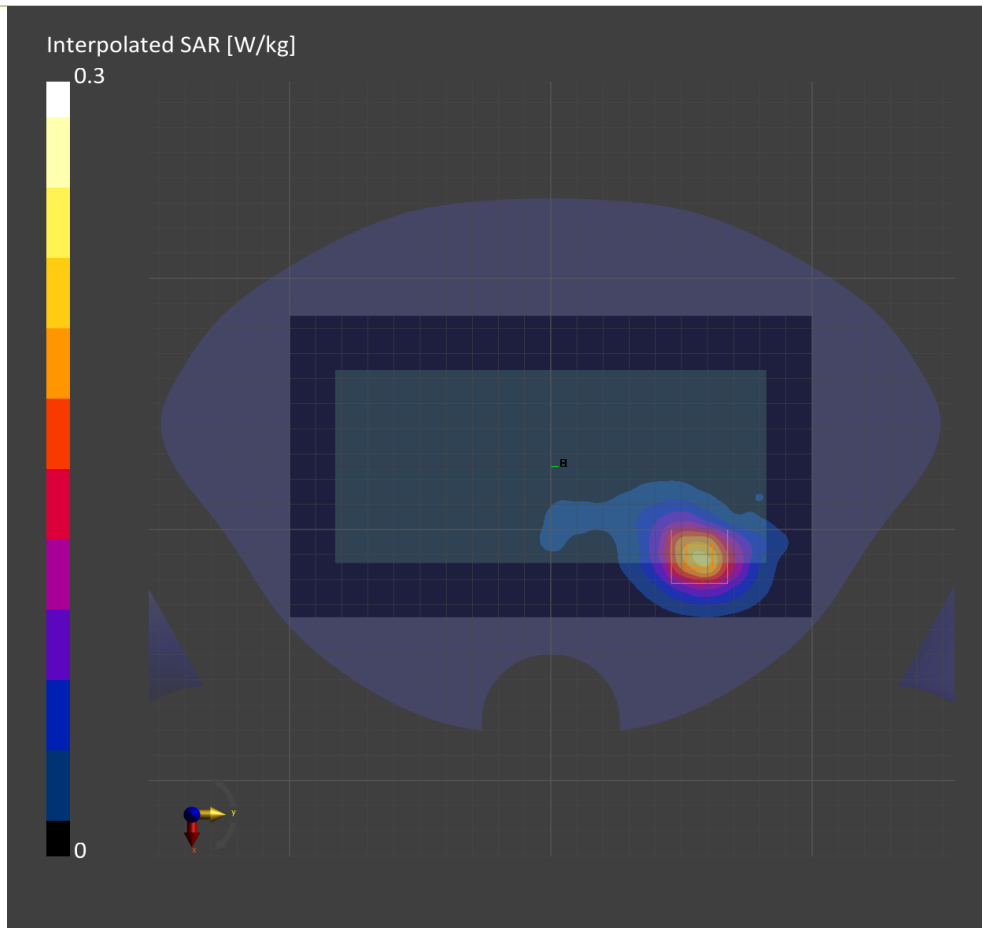
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.175	0.177
psSAR10g [W/kg]	0.074	0.068
Power Drift [dB]		-0.03



Measurement Report for Device, Rear, NR Band n77, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.36	37.4

Hardware Setup

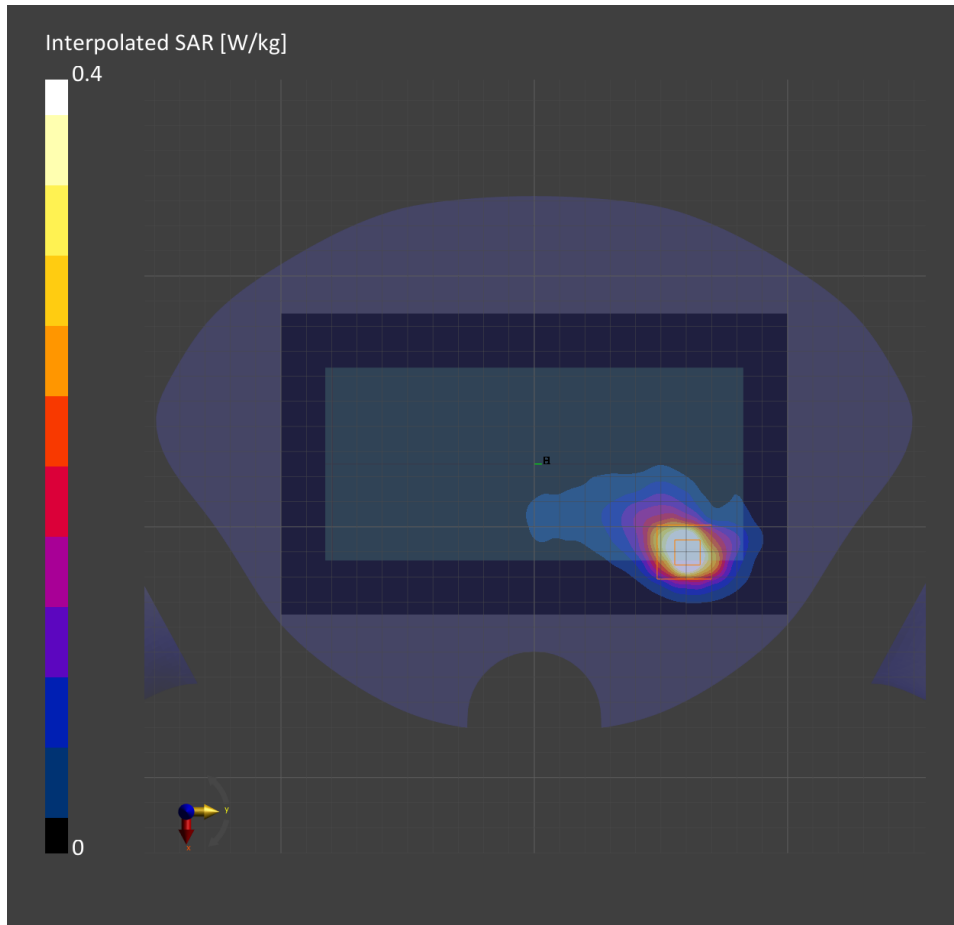
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.389	0.441
psSAR10g [W/kg]	0.148	0.150
Power Drift [dB]		0.02



Measurement Report for Device, Right TILT, NR Band n77 SRS1, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	TILT, 0.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.36	37.4

Hardware Setup

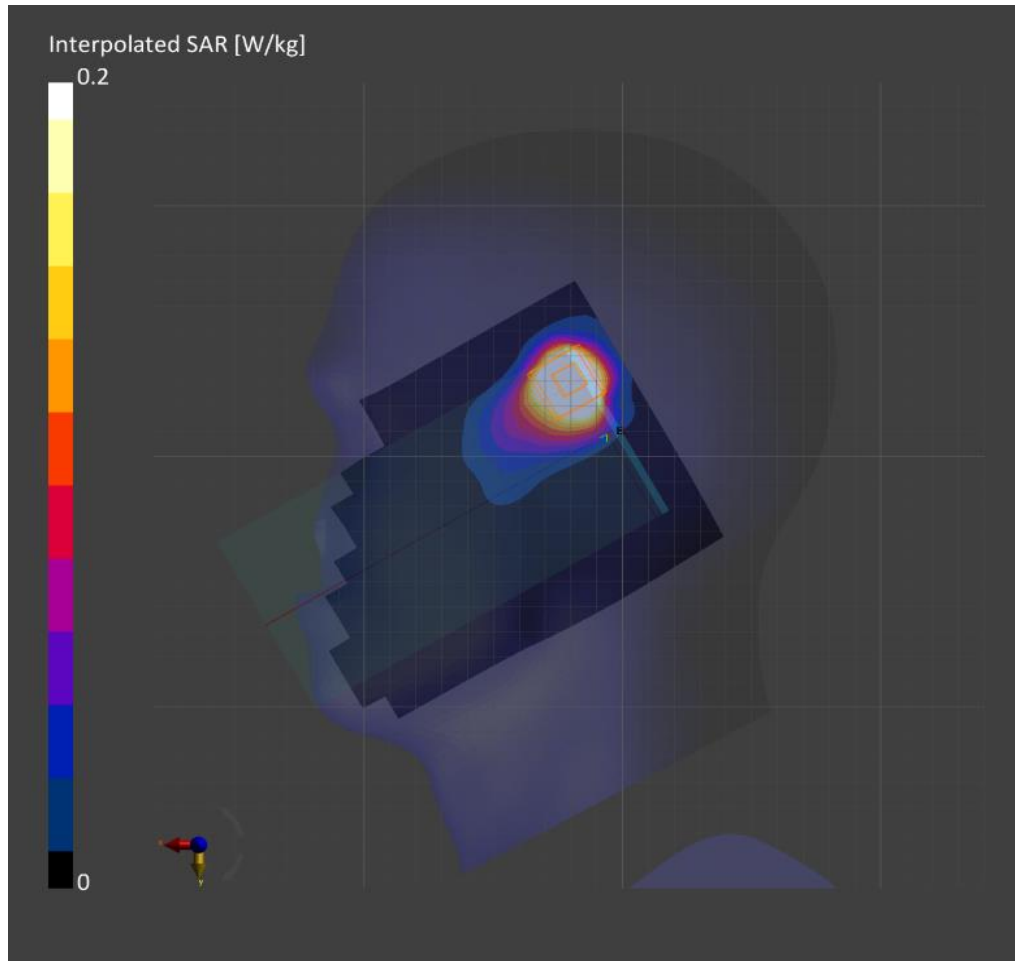
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.375	0.380
psSAR10g [W/kg]	0.135	0.131
Power Drift [dB]		0.02



Measurement Report for Device, Rear, NR Band n77 SRS2, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.30	37.0

Hardware Setup

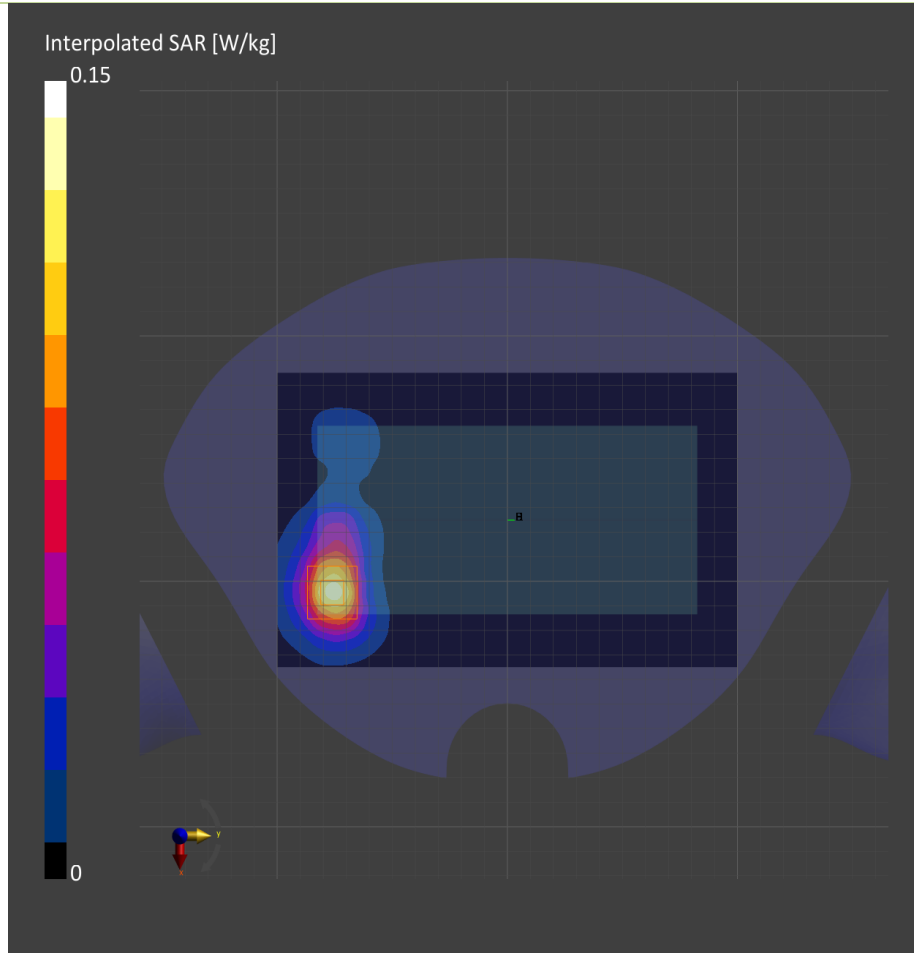
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-20	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-20	2022-06-20
psSAR1g [W/kg]	0.099	0.101
psSAR10g [W/kg]	0.042	0.041
Power Drift [dB]		0.08



Measurement Report for Device, Rear, NR Band n77 SRS3, UID 10866 AAD, Channel 662000 (3930.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10866-AAD	3930.0, 662000	7.03	3.36	37.4

Hardware Setup

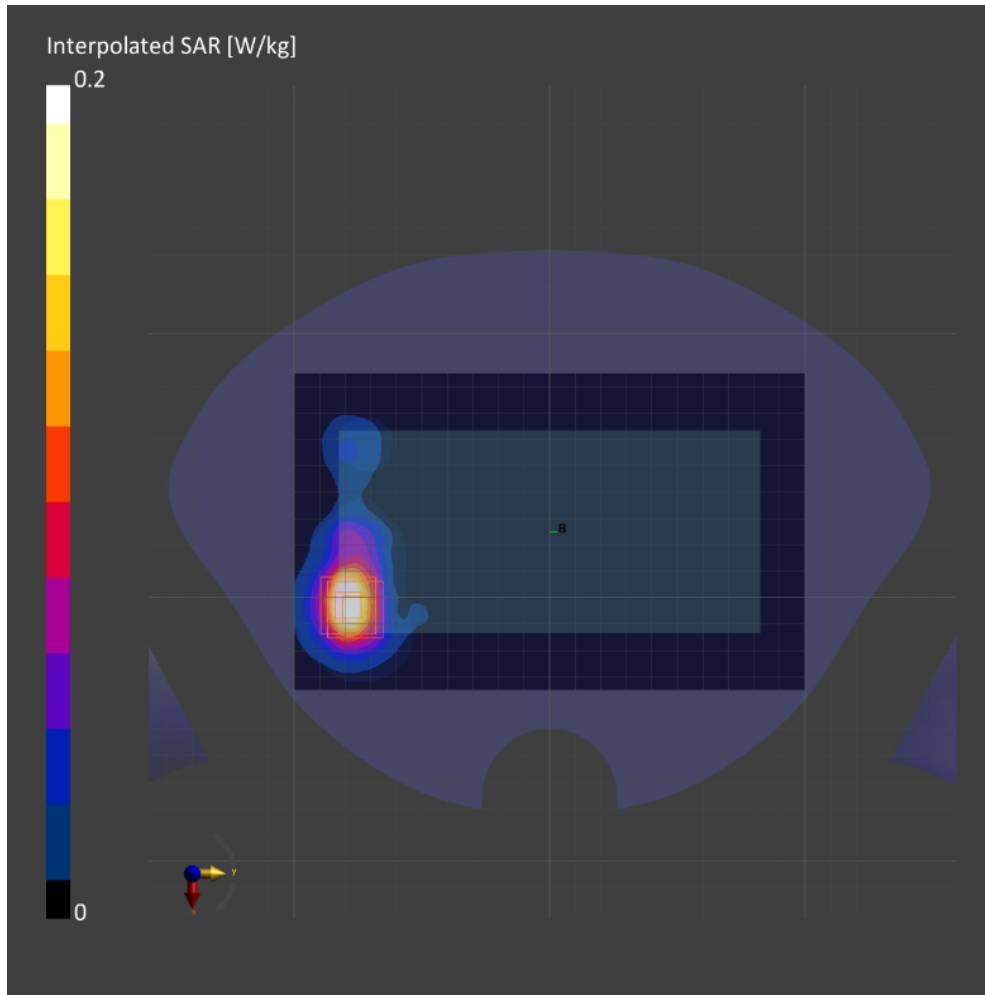
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-17	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-17	2022-06-17
psSAR1g [W/kg]	0.170	0.177
psSAR10g [W/kg]	0.064	0.062
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, LTE-uplink 2CA Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 40185 (2549.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2549.5, 40185	8.05	1.88	39.4

Hardware Setup

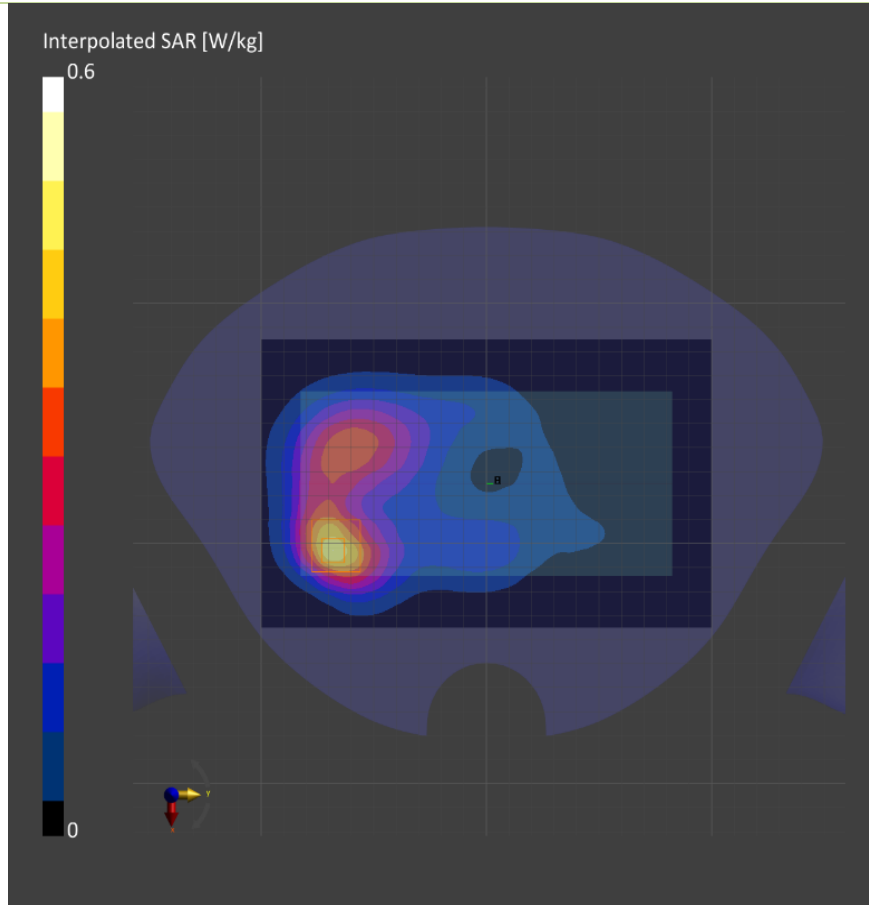
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-14	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-14	2022-06-14
psSAR1g [W/kg]	0.391	0.387
psSAR10g [W/kg]	0.201	0.196
Power Drift [dB]		0.02



Measurement Report for Device, BACK, NR Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 41490 (2680.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2680.0, 41490	7.3	2.04	39.5

Hardware Setup

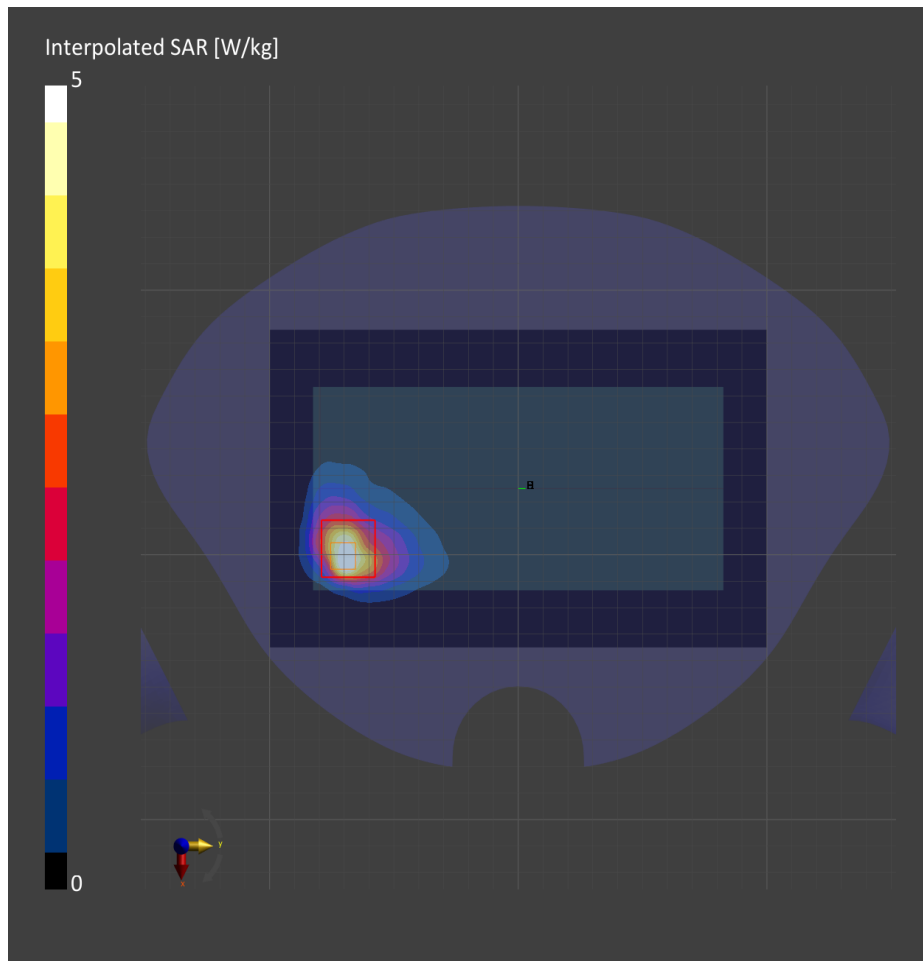
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 Charge:xxxx, 2022-Jun-24	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-24	2022-06-24
psSAR1g [W/kg]	3.94	4.08
psSAR10g [W/kg]	1.70	1.64
Power Drift [dB]		0.04



Measurement Report for A236U, Right Touch, LTE Band 48, E-UTRA/TDD, UID 10435 AAF, Channel 56036 (3629.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head, HSL	CHEEK, 0.00	Band 48, E-UTRA/TDD	LTE-TDD, 10435-AAF	3629.6, 56036	6.88	3.15	37.5

Hardware Setup

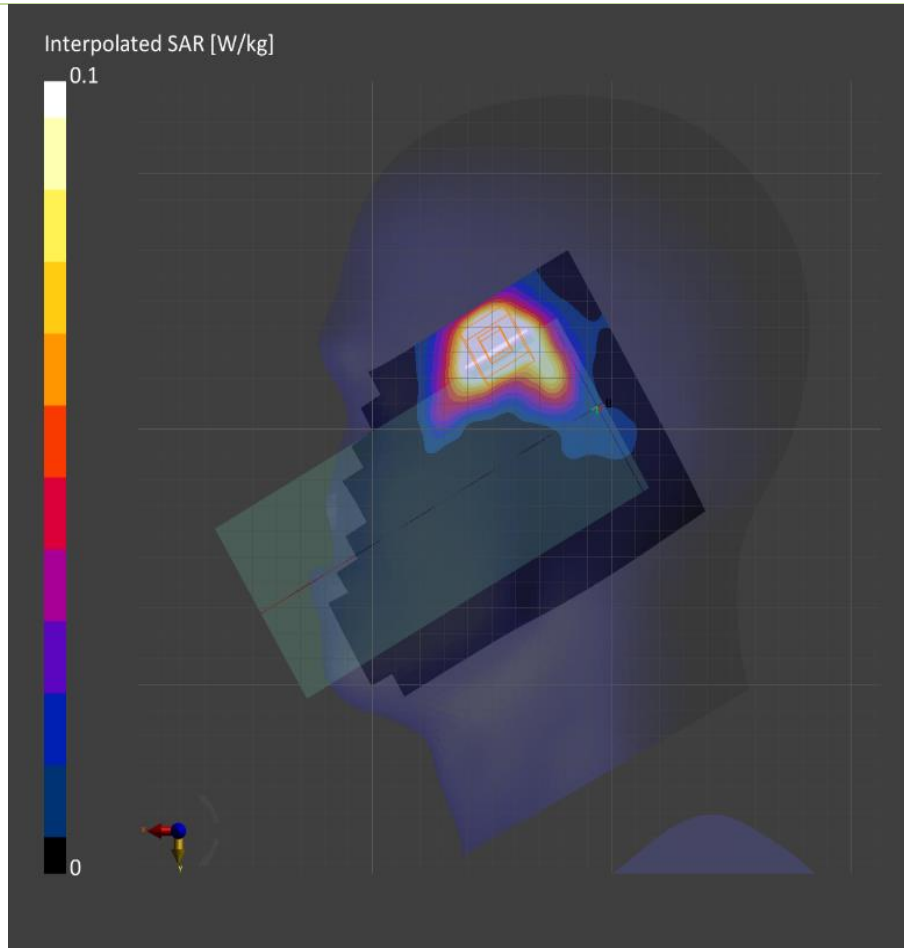
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000 Charge:xxxx, 2022-Jun-20	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-22	2022-06-22
psSAR1g [W/kg]	0.179	0.197
psSAR10g [W/kg]	0.073	0.069
Power Drift [dB]		-0.16



Measurement Report for Device, Rear, LTE-uplink 2CA Band 48, E-UTRA/TDD, UID 10435 AAF, Channel 56036 (3629.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 48, E-UTRA/TDD	LTE-TDD, 10435-AAF	3629.6, 56036	6.88	3.15	37.5

Hardware Setup

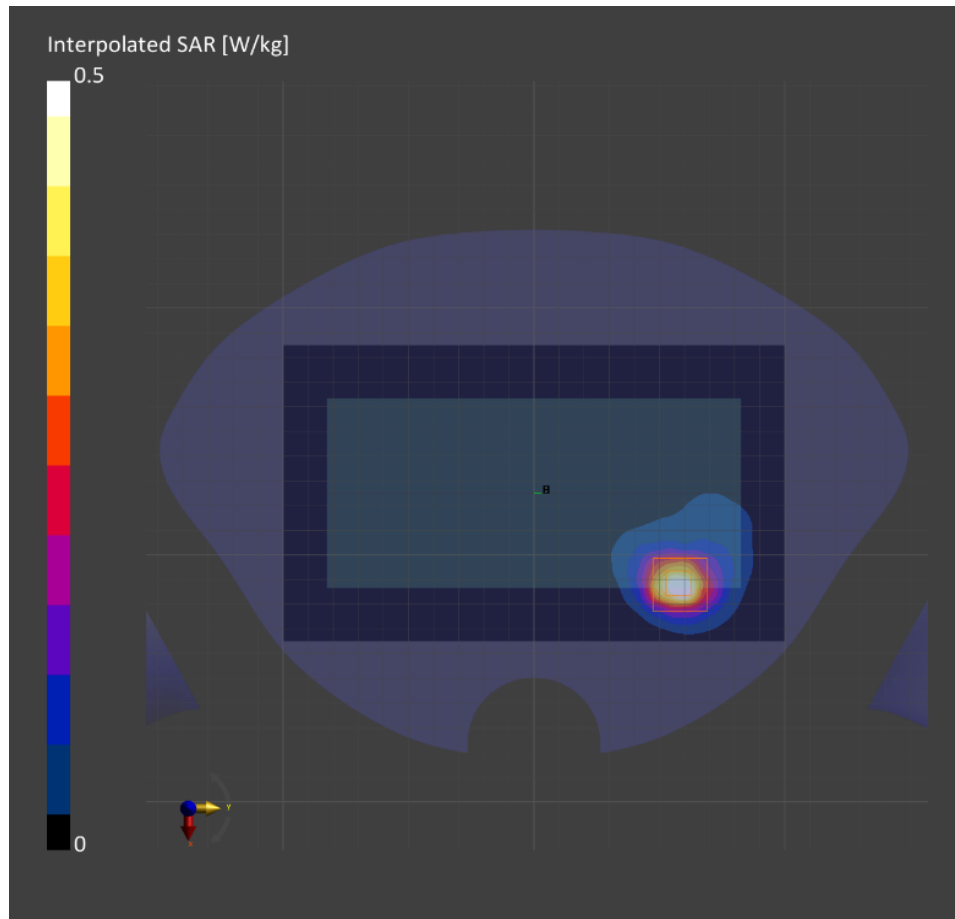
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-20	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 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
Date	2022-06-22	2022-06-22
psSAR1g [W/kg]	0.379	0.428
psSAR10g [W/kg]	0.146	0.154
Power Drift [dB]		0.06



Measurement Report for Device, Right Touch, Wi-Fi 2.4GHz, UID 10415 AAA, Channel 11 (2462.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	8.25	1.80	39.5

Hardware Setup

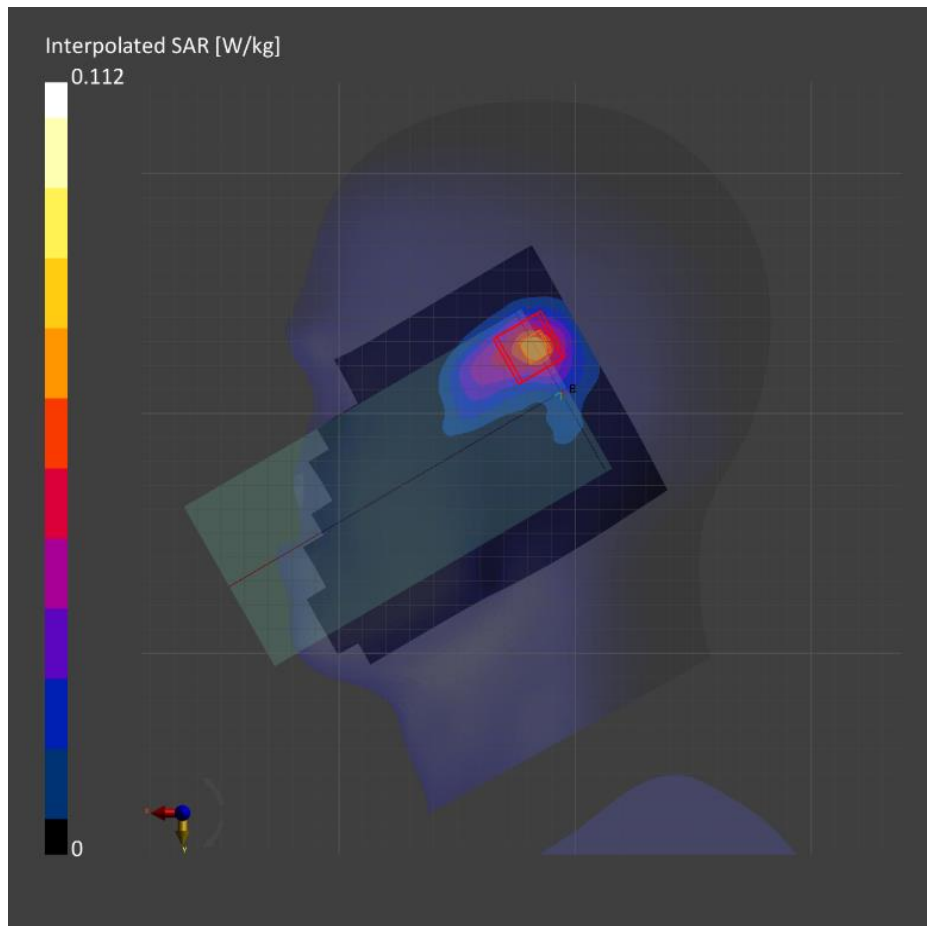
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-15	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-16	2022-06-16
psSAR1g [W/kg]	0.057	0.052
psSAR10g [W/kg]	0.028	0.025
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, Wi-Fi 2.4GHz, UID 10415 AAA, Channel 11 (2462.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	8.25	1.85	38.0

Hardware Setup

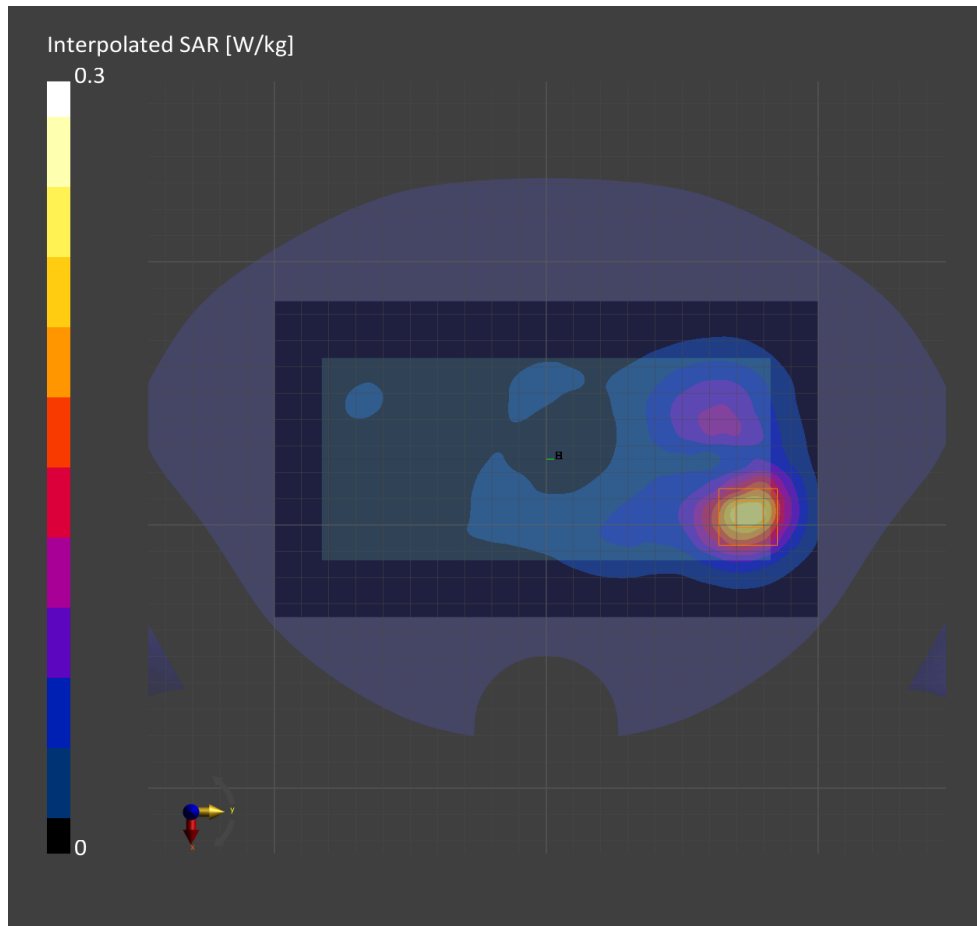
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	0.197	0.200
psSAR10g [W/kg]	0.098	0.097
Power Drift [dB]		-0.04



Measurement Report for Device, Rear, Wi-Fi 2.4GHz, UID 10415 AAA, Channel 11 (2462.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	8.25	1.85	38.0

Hardware Setup

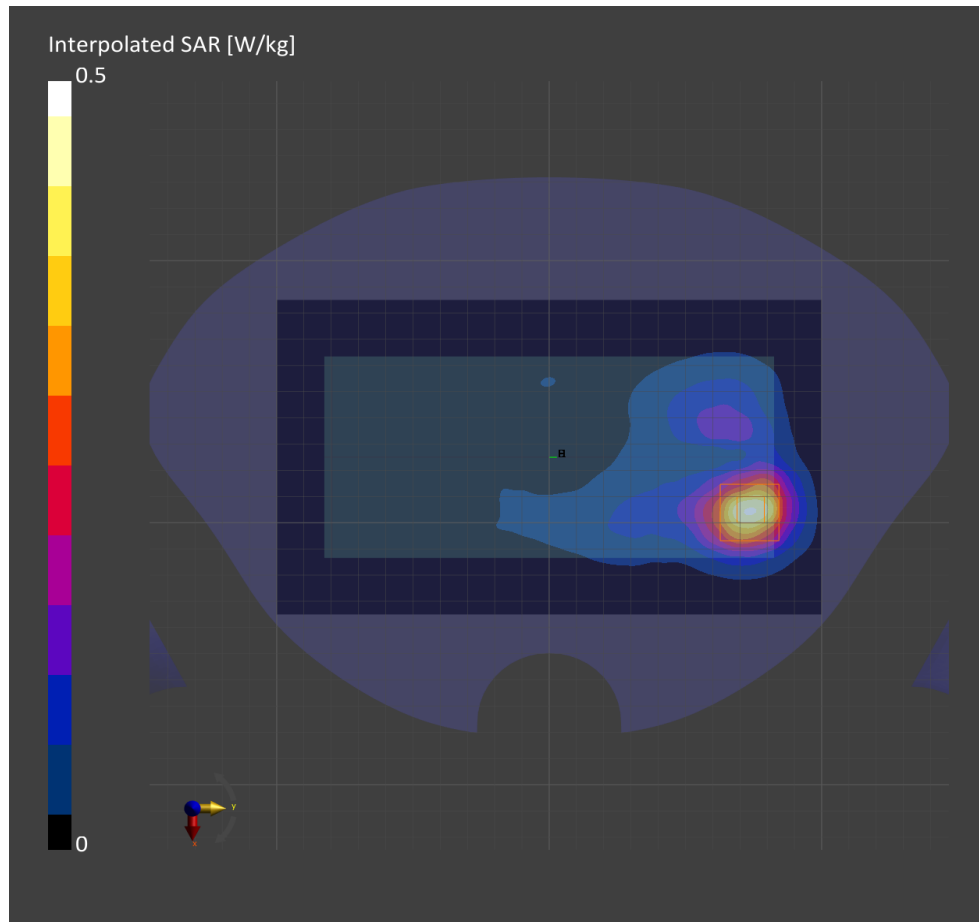
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	0.367	0.375
psSAR10g [W/kg]	0.177	0.175
Power Drift [dB]		-0.04



Measurement Report for Device, Right TILT, Wi-Fi U-NII-2A, UID 10626 AAC, Channel 58 (5290.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	TILT, 0.00	U-NII-1, U-NII-2A	WLAN, 10626-AAC	5290.0, 58	5.24	4.77	35.8

Hardware Setup

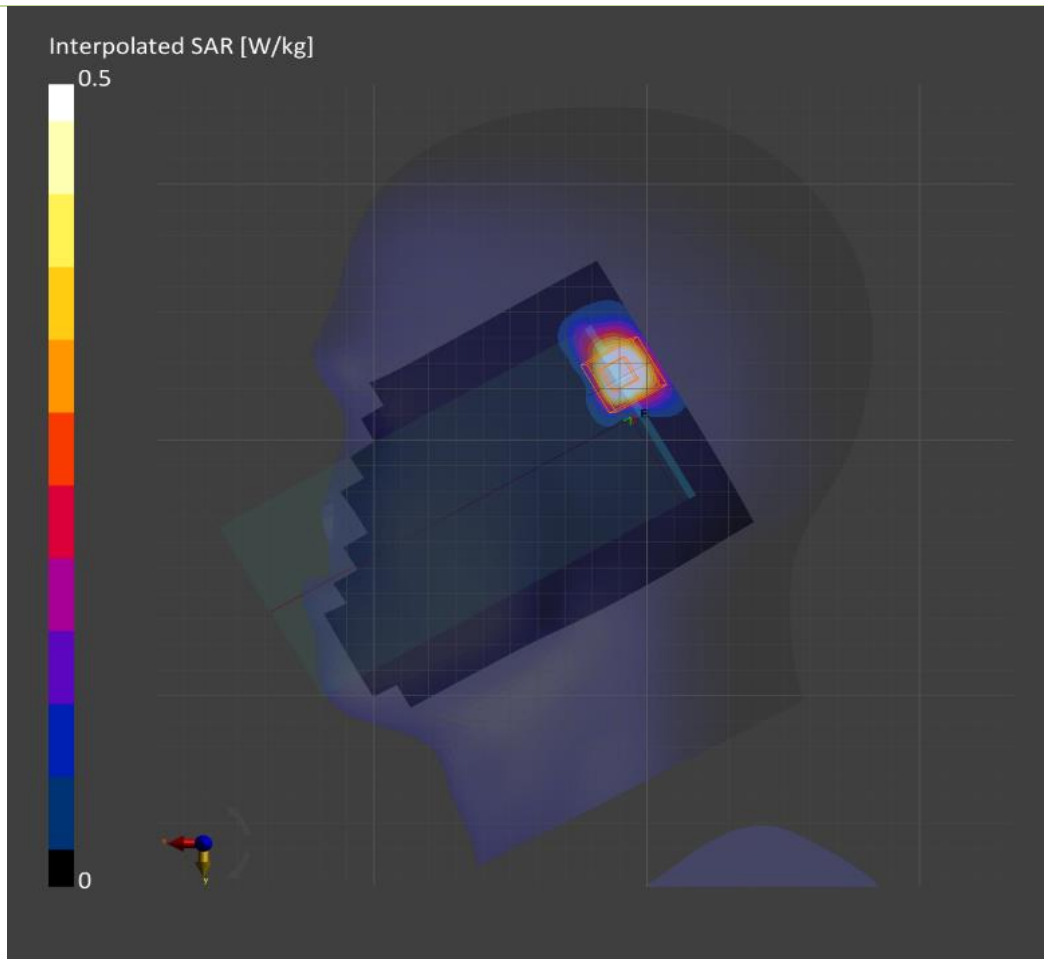
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-15	2022-06-15
psSAR1g [W/kg]	0.485	0.575
psSAR10g [W/kg]	0.174	0.166
Power Drift [dB]		0.15



Measurement Report for Device, Rear, Wi-Fi U-NII-2A, UID 10583 AAC, Channel 60 (5300.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	U-NII-1, U-NII-2A	WLAN, 10583-AAC	5300.0, 60	5.24	4.78	35.8

Hardware Setup

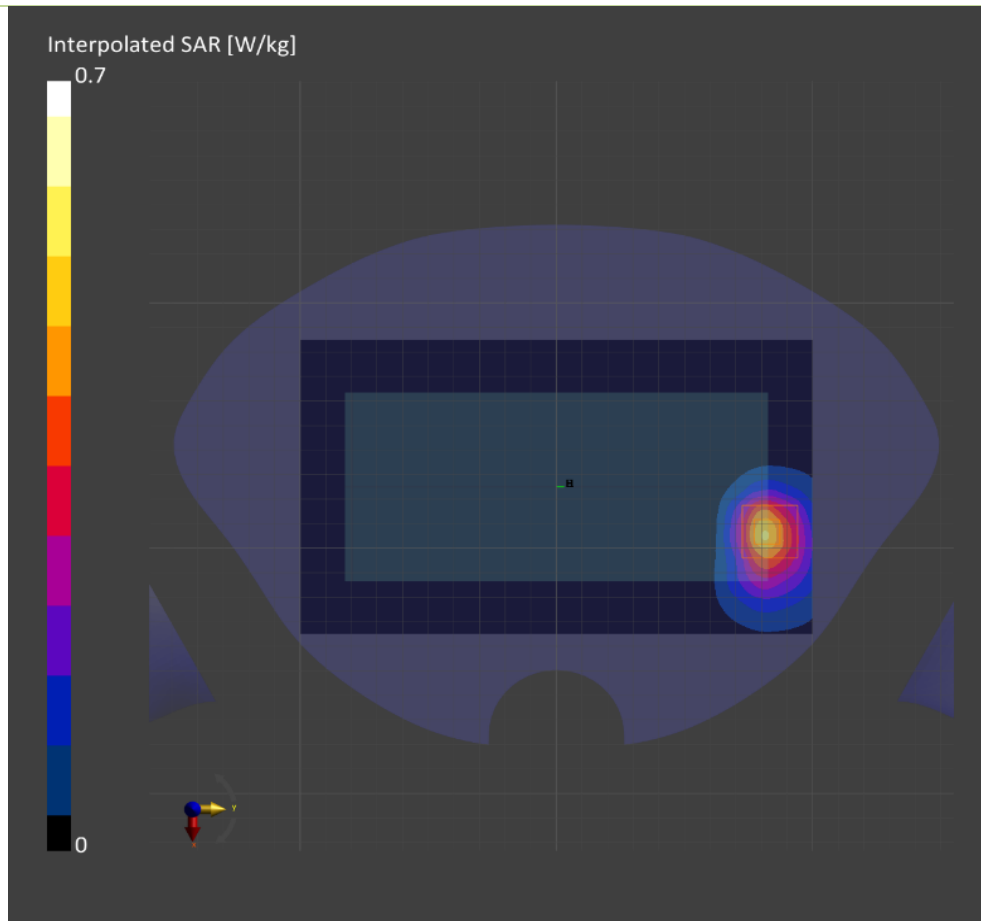
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	0.384	0.393
psSAR10g [W/kg]	0.151	0.149
Power Drift [dB]		0.10



Measurement Report for Device, EDGE 1, Wi-Fi U-NII-2A, UID 10583 AAC, Channel 60 (5300.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-1, U-NII-2A	WLAN, 10583-AAC	5300.0, 60	5.24	4.78	35.8

Hardware Setup

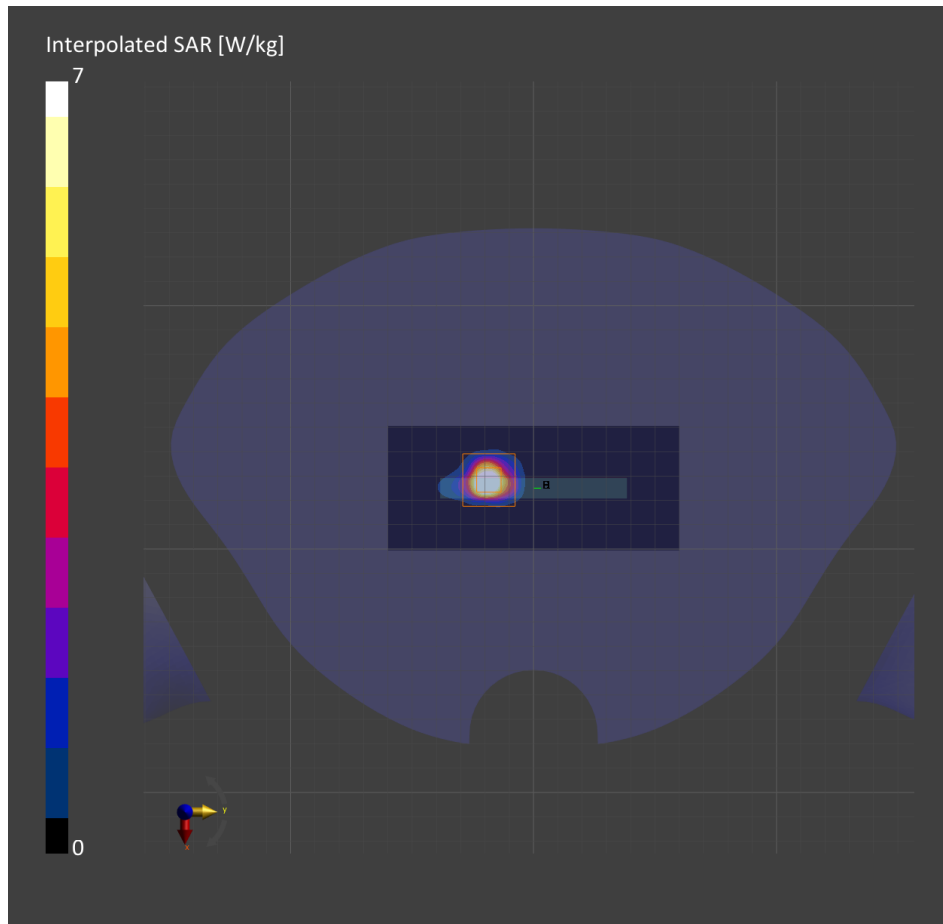
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.18 x 120.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.53 x 10.0	3.6 x 3.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	5.48	6.53
psSAR10g [W/kg]	1.35	1.42
Power Drift [dB]		-0.12



Wi-Fi 5.5 GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 5610$ MHz; $\sigma = 4.991$ S/m; $\epsilon_r = 36.686$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7376; ConvF(4.47, 4.47, 4.47) @ 5610 MHz; Calibrated: 7/30/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

LHS/Tilt_802.11 ac mode_VHT 80 ch 122 Ant 1/Area Scan (11x20x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.29 W/kg

LHS/Tilt_802.11 ac mode_VHT 80 ch 122 Ant 1/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

$dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 13.71 V/m; Power Drift = 0.05 dB

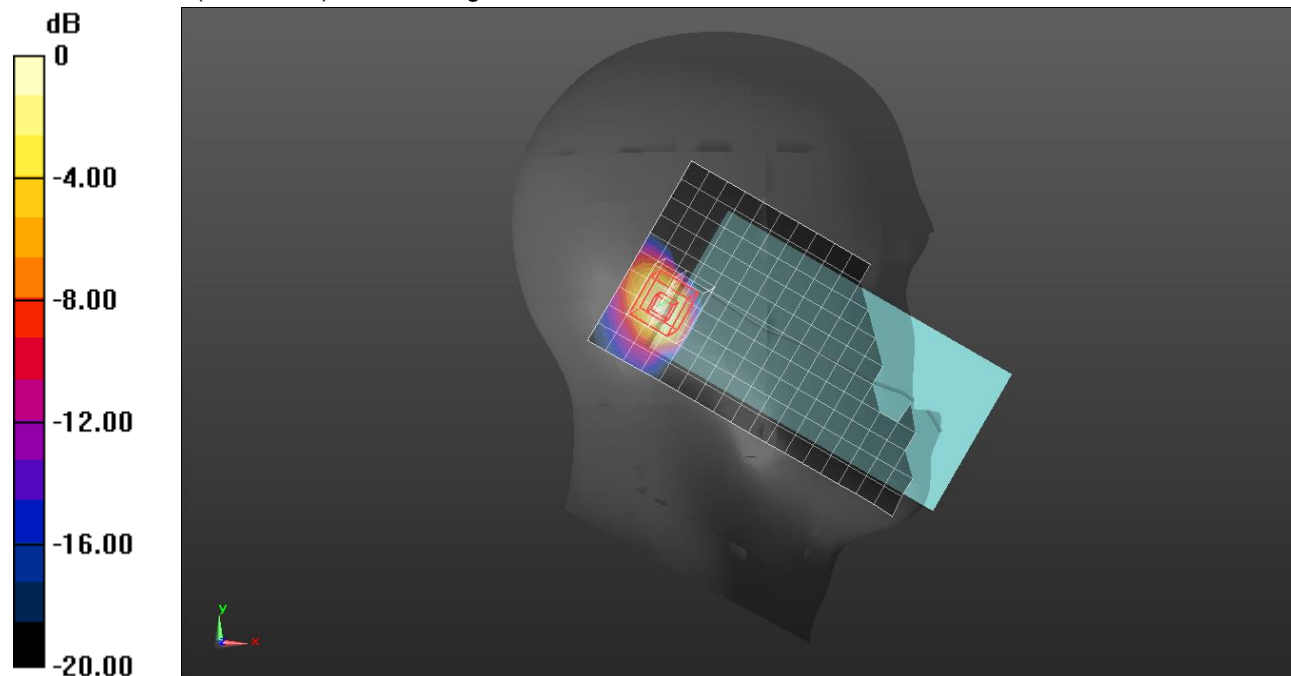
Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.216 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 68.2%

Maximum value of SAR (measured) = 1.34 W/kg



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

Measurement Report for Device, Rear, Wi-Fi U-NII-2C Standalone, UID 10583 AAC, Channel 100 (5500.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	U-NII-2C Standalone	WLAN, 10583-AAC	5500.0, 100	4.66	4.99	35.4

Hardware Setup

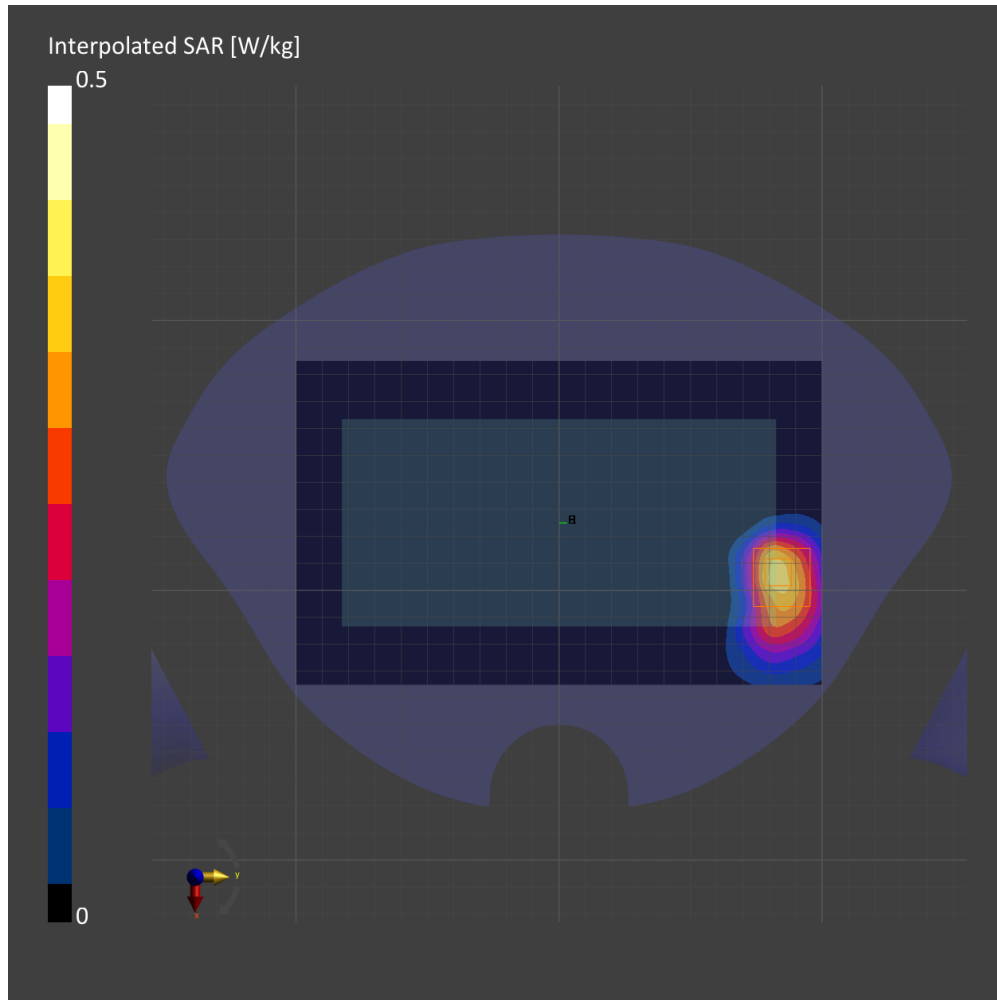
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	0.300	0.307
psSAR10g [W/kg]	0.123	0.119
Power Drift [dB]		-0.14



Measurement Report for Device, EDGE 1, Wi-Fi U-NII-2C Standalone, UID 10583 AAC, Channel 100 (5500.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	165.09 x 76.9 x 8.53		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	U-NII-2C Standalone	WLAN, 10583-AAC	5500.0, 100	4.66	4.99	35.4

Hardware Setup

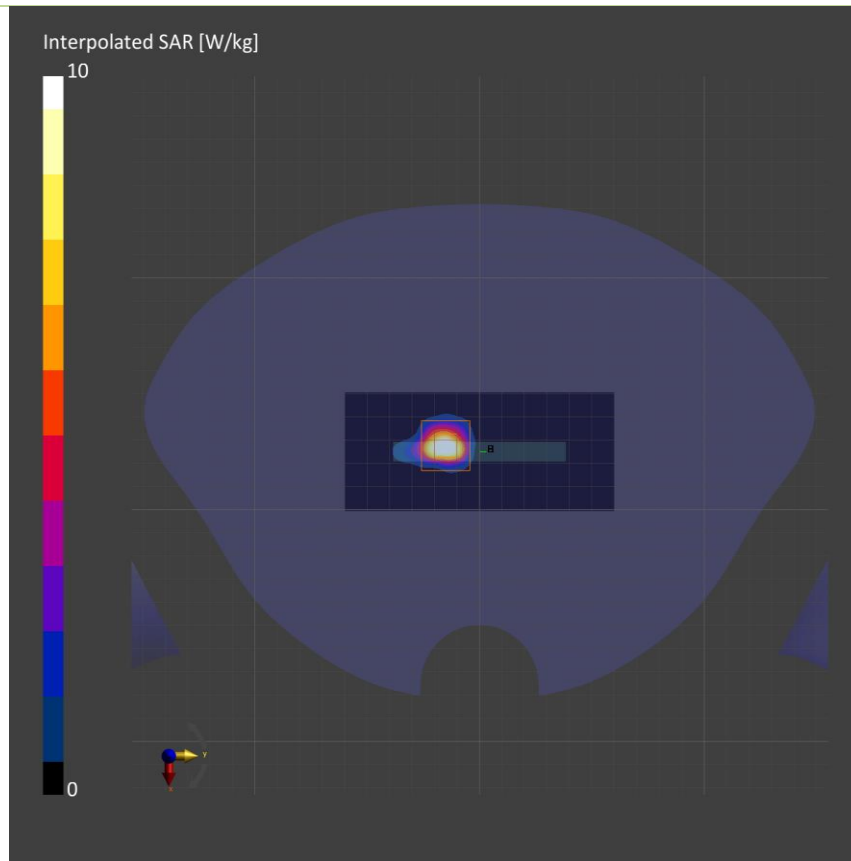
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Jun-13	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.18 x 120.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.53 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-06-13	2022-06-13
psSAR1g [W/kg]	6.87	8.52
psSAR10g [W/kg]	1.84	1.95
Power Drift [dB]		0.04



Wi-Fi 5.8 GHz

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.159$ S/m; $\epsilon_r = 36.272$; $\rho = 1000$ 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 Sn1591; Calibrated: 3/24/2022

- Probe: EX3DV4 - SN7376; ConvF(4.45, 4.45, 4.45) @ 5775 MHz; Calibrated: 7/30/2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)

- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Tilt_802.11 ac mode_VHT 80 ch 155 Ant 1/Area Scan (11x19x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.29 W/kg

RHS/Tilt_802.11 ac mode_VHT 80 ch 155 Ant 1/Zoom Scan (9x9x7)/Cube 0: Measurement

grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 16.93 V/m; Power Drift = -0.09 dB

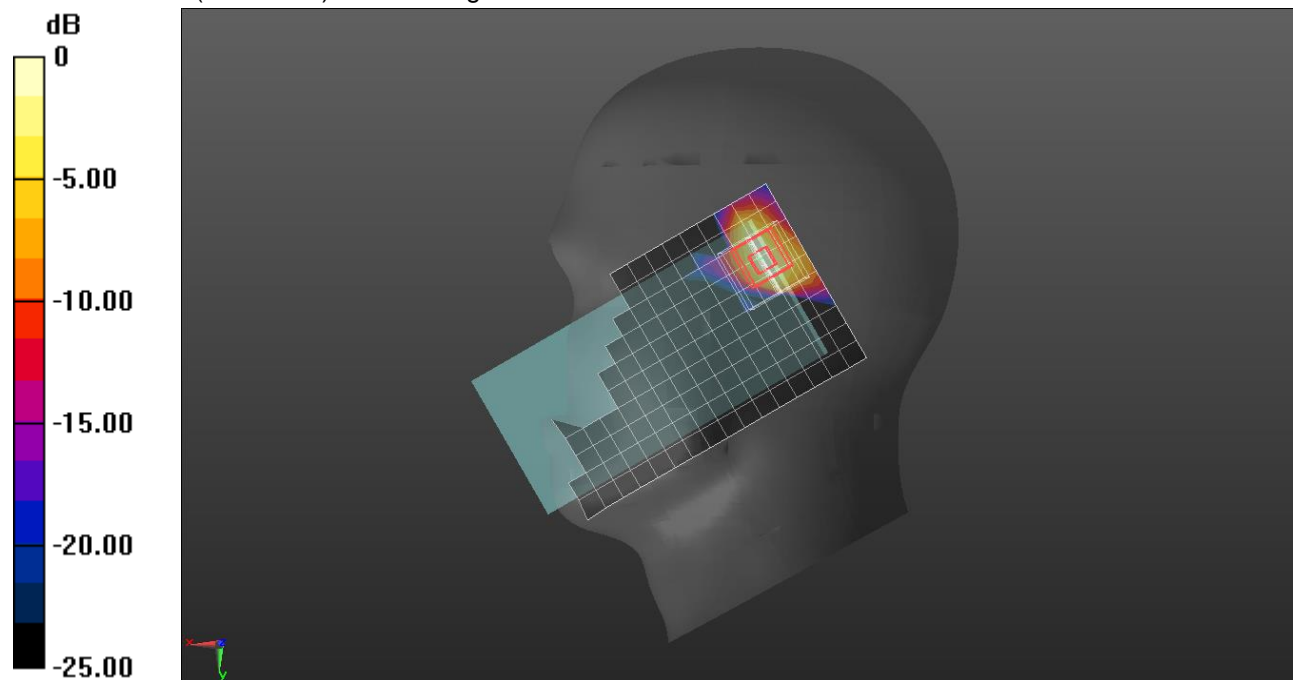
Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.172 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

Wi-Fi 5GHz

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.223 \text{ S/m}$; $\epsilon_r = 36.066$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7376; ConvF(4.45, 4.45, 4.45) @ 5825 MHz; Calibrated: 7/30/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch 165 SISO Ant 1 15mm/Area Scan (20x11x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.785 W/kg

Rear/802.11 a mode ch 165 SISO Ant 1 15mm/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

$dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 12.81 V/m; Power Drift = -0.04 dB

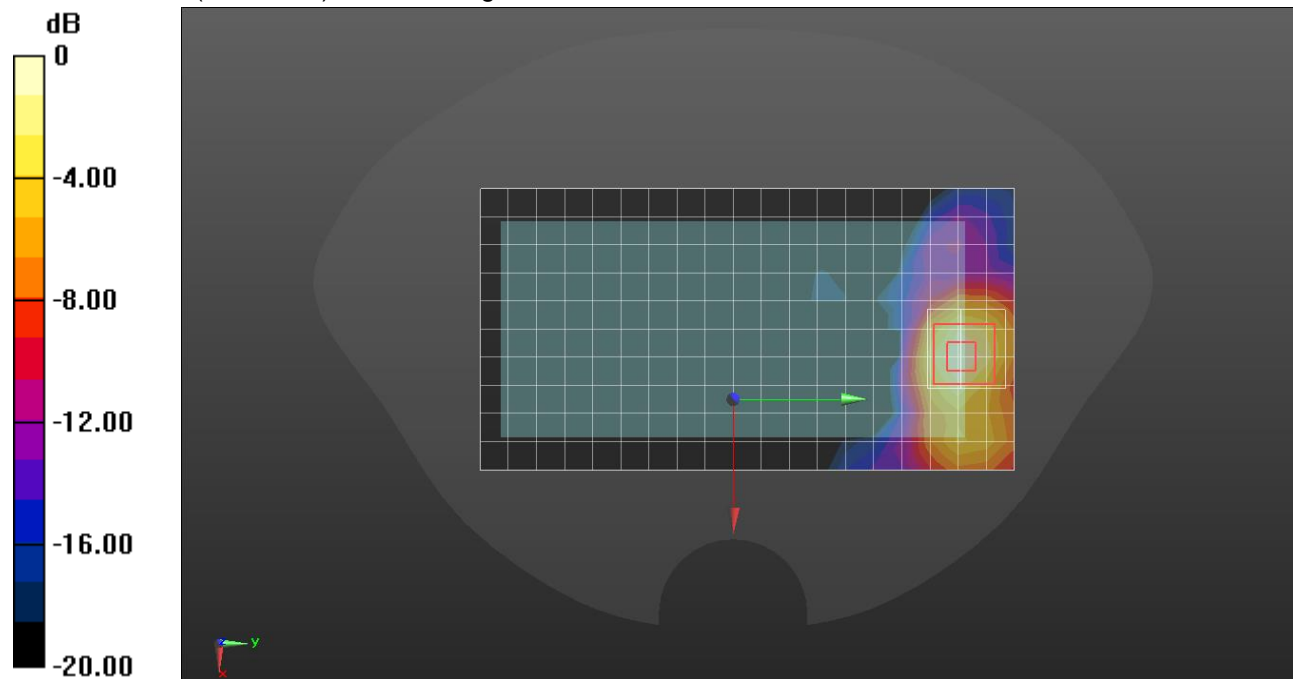
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.103 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 0.696 W/kg



0 dB = 0.696 W/kg = -1.57 dBW/kg

Wi-Fi 5GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.109 \text{ S/m}$; $\epsilon_r = 36.395$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1591; Calibrated: 3/24/2022
- Probe: EX3DV4 - SN7376; ConvF(4.45, 4.45, 4.45) @ 5745 MHz; Calibrated: 7/30/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Edge 1/802.11 a mode ch 149 SISO Ant 1 10mm/Area Scan (12x7x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

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

Edge 1/802.11 a mode ch 149 SISO Ant 1 10mm/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

$dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 20.06 V/m; Power Drift = -0.02 dB

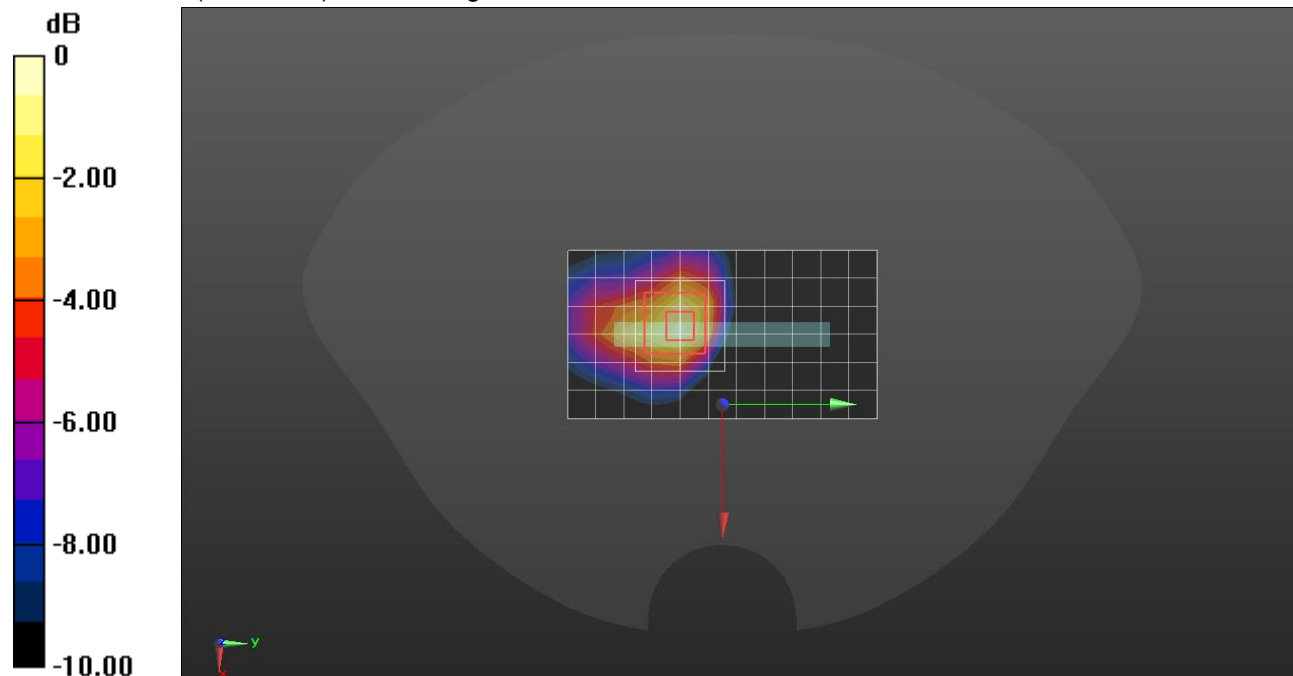
Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.295 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.8%

Maximum value of SAR (measured) = 1.76 W/kg



0 dB = 1.76 W/kg = 2.46 dBW/kg

Measurement Report for Device, Right TILT, Bluetooth 2.4 GHz, UID 10032 CAA, Channel 0 (2402.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, HSL	TILT, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	8.25	1.79	38.0

Hardware Setup

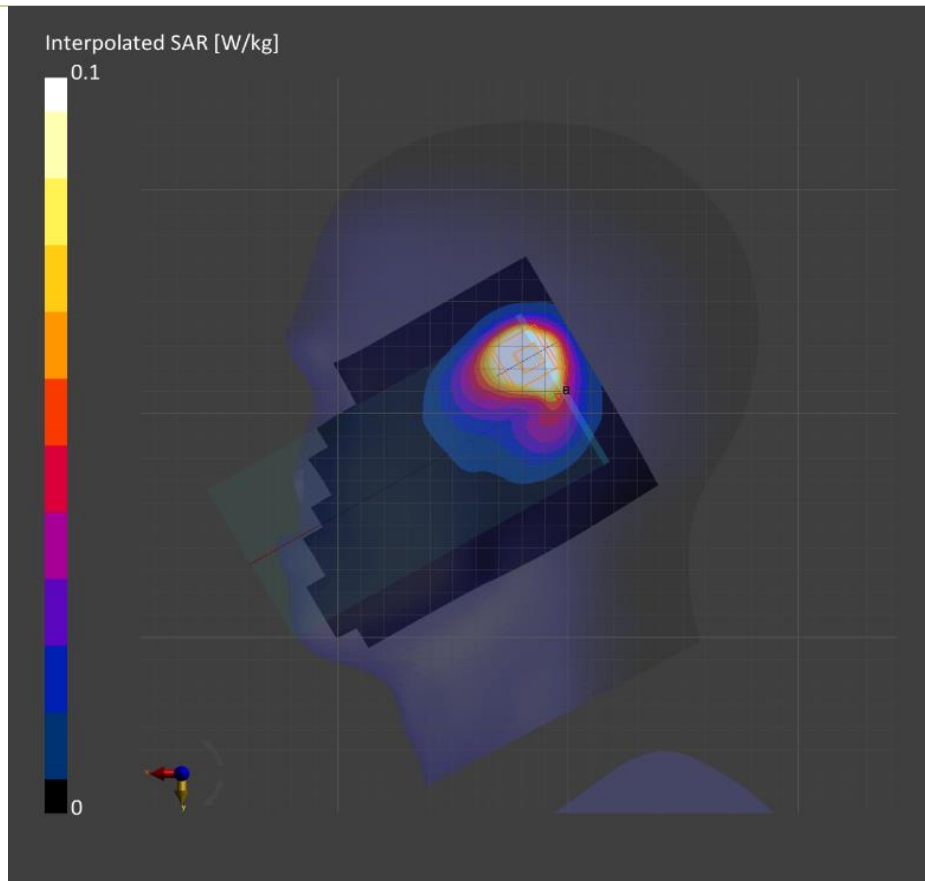
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-16	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-16	2022-06-16
psSAR1g [W/kg]	0.162	0.156
psSAR10g [W/kg]	0.073	0.068
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, Bluetooth 2.4 GHz, UID 10032 CAA, Channel 0 (2402.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 15.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	8.25	1.79	38.0

Hardware Setup

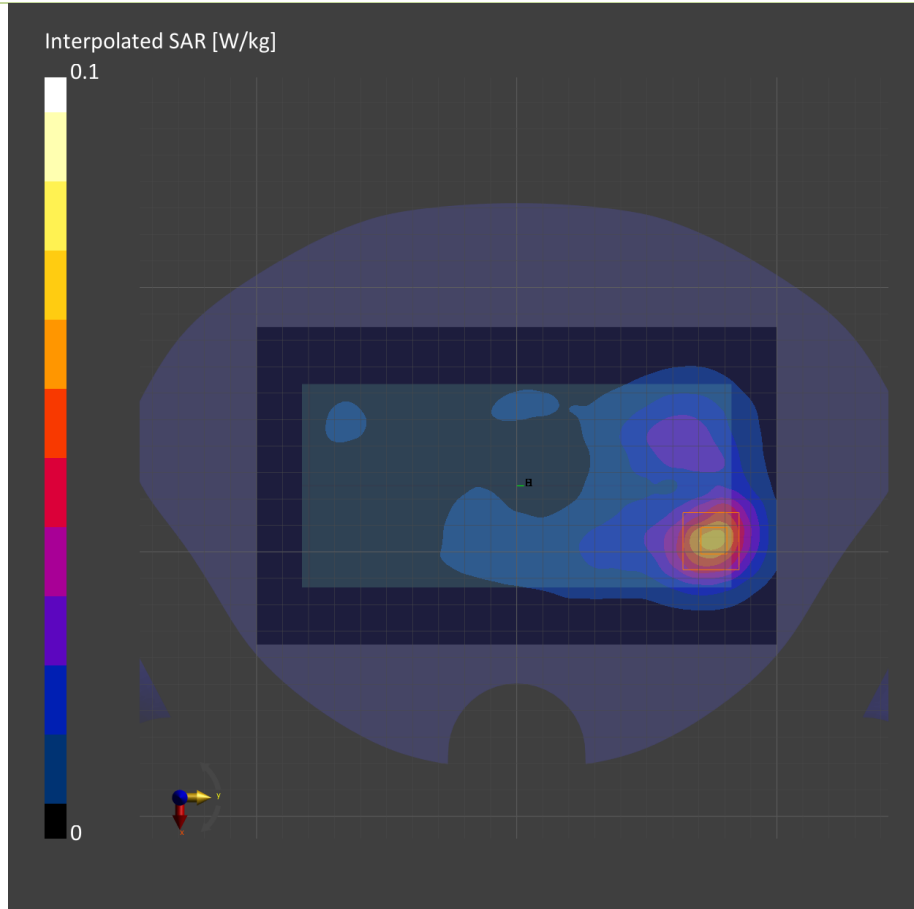
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2042	HBBL-600-10000, 2022-Jun-16	EX3DV4 - SN7645, 2022-04-29	DAE4 Sn1668, 2022-04-27

Scan 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
Date	2022-06-16	2022-06-16
psSAR1g [W/kg]	0.056	0.057
psSAR10g [W/kg]	0.029	0.028
Power Drift [dB]		-0.07



Measurement Report for Device, Rear, Bluetooth 2.4 GHz, UID 10032 CAA, Channel 0 (2402.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.0, 0	7.56	1.83	39.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 , 2022-Jun-20	EX3DV4 - SN7545, 2021-08-26	DAE4 Sn1667, 2022-04-27

Scan 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
Date	2022-06-20	2022-06-20,
psSAR1g [W/kg]	0.107	0.110
psSAR10g [W/kg]	0.054	0.051
Power Drift [dB]		0.03

