

Meas.1 Left Head with Cheek on Middle Channel in WCDMA Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1880.0, 9400	8.35	1.39	40.1	22	21.4

Hardware Setup

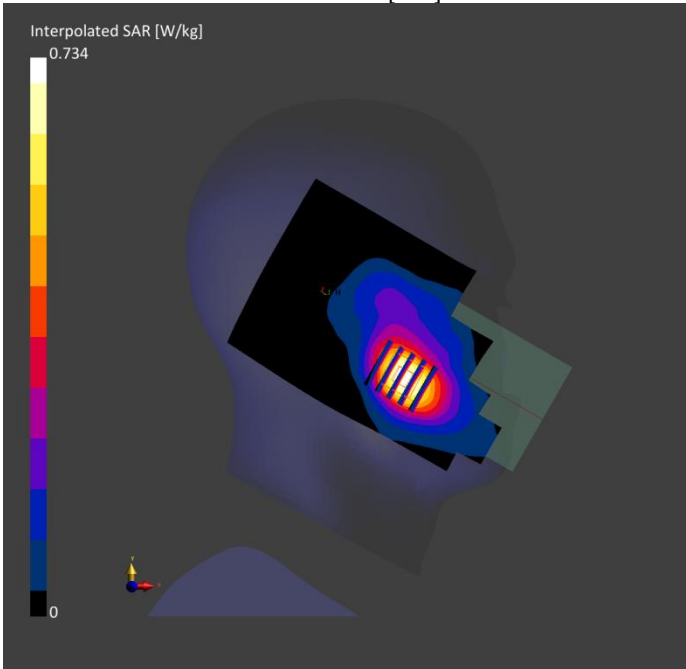
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-07	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-07	2025-09-07
psSAR1g [W/kg]	0.489	0.532
psSAR10g [W/kg]	0.287	0.345
Power Drift [dB]	0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		73.5
Dist 3dB Peak [mm]		12.9



Meas.2 Body Plane with Front Side 10mm on Low Channel in WCDMA Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 2	WCDMA, 10011-CAC	1852.4, 9262	8.35	1.38	40.5	22	21.4

Hardware Setup

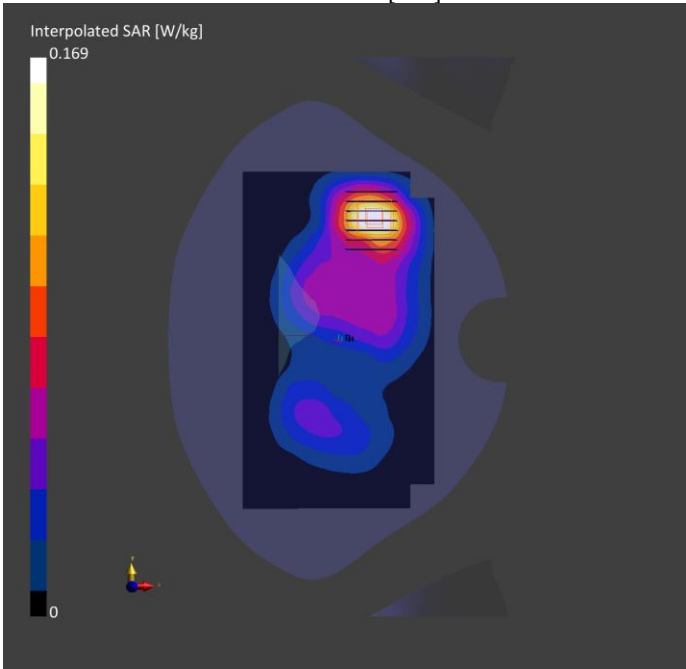
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-07	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 36.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-07	2025-09-07
psSAR1g [W/kg]	0.096	0.101
psSAR10g [W/kg]	0.055	0.057
Power Drift [dB]	-0.00	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		12.0



Meas.3 Body Plane with Front Side 0mm on Low Channel in WCDMA Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 2	WCDMA, 10011-CAC	1852.4, 9262	8.35	1.38	40.5	22	21.4

Hardware Setup

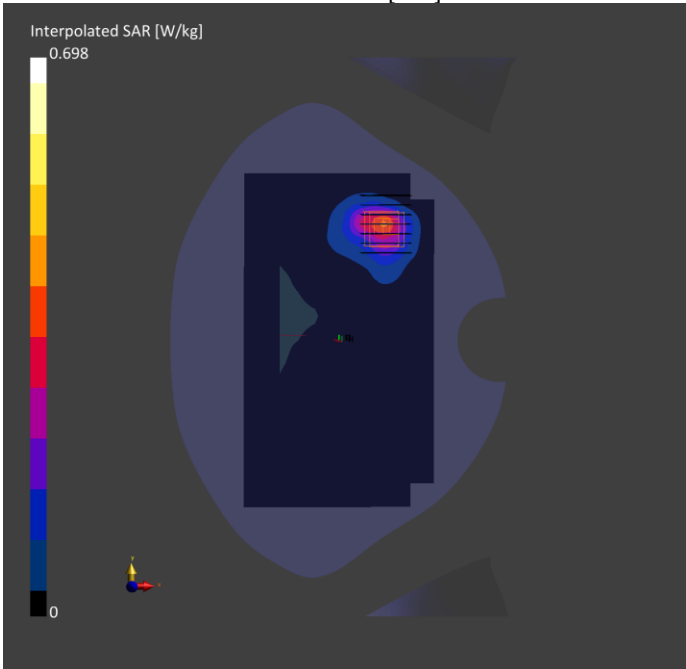
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-07	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 36.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-07	2025-09-07
psSAR1g [W/kg]	0.330	0.332
psSAR10g [W/kg]	0.172	0.166
Power Drift [dB]	-0.00	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.1
Dist 3dB Peak [mm]		8.6



Meas.4 Left Head with Cheek on Middle Channel in WCDMA Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 4	WCDMA, 10457-AAB	1712.4, 1312	8.72	1.34	40.6	22.5	21.4

Hardware Setup

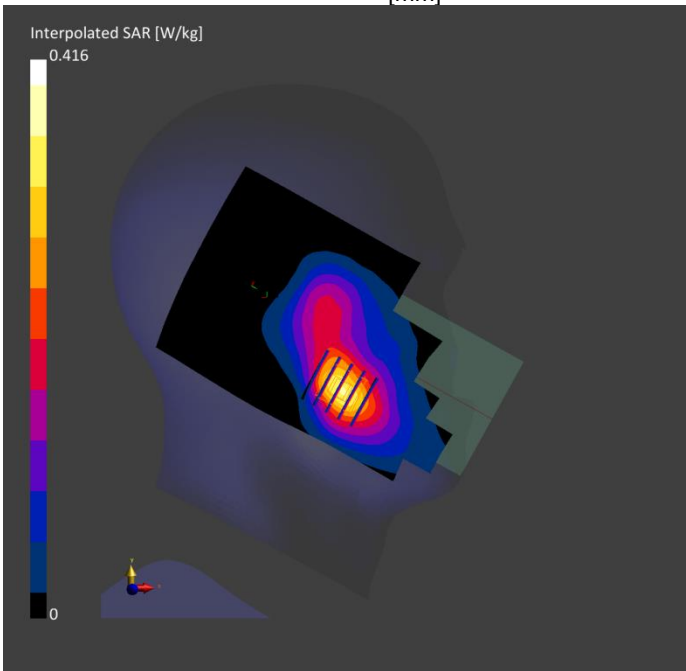
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	0.290	0.306
psSAR10g [W/kg]	0.171	0.202
Power Drift [dB]	-0.12	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.1
Dist 3dB Peak [mm]		14.0



Meas.5 Body Plane with Front Side 10mm on Middle Channel in WCDMA Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 4	WCDMA, 10457-AAB	1712.4, 1312	8.72	1.34	40.6	22.5	21.4

Hardware Setup

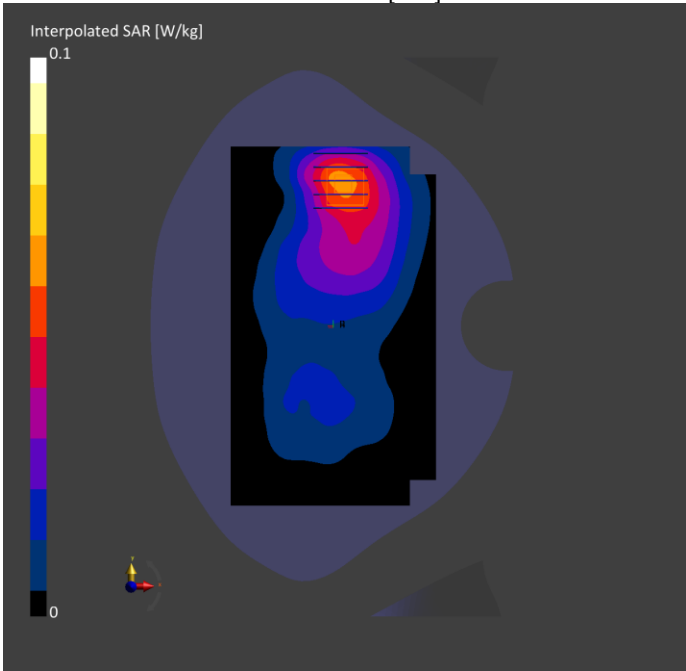
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	0.053	0.060
psSAR10g [W/kg]	0.033	0.037
Power Drift [dB]	0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.0
Dist 3dB Peak [mm]		> 16.0



Meas.6 Body Plane with Front Side 0mm on Middle Channel in WCDMA Band4 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 4	WCDMA, 10457-AAB	1712.4, 1312	8.72	1.34	40.6	22.5	21.4

Hardware Setup

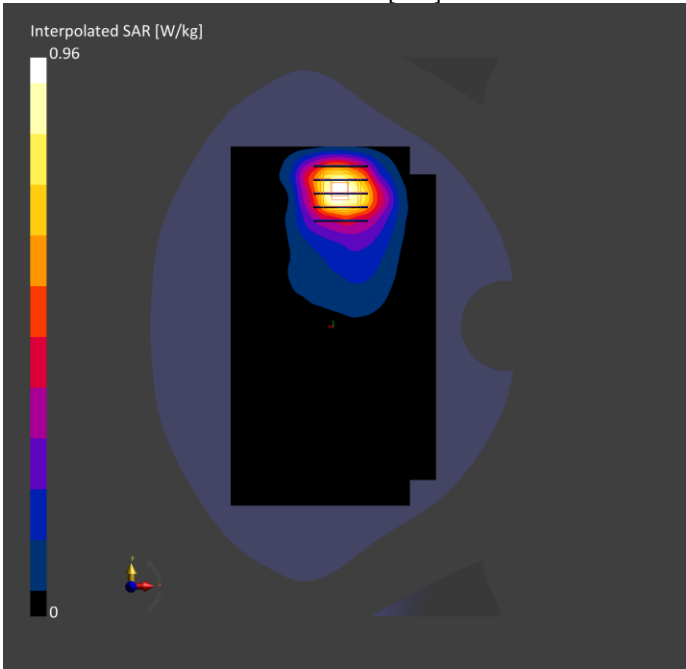
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	0.424	0.552
psSAR10g [W/kg]	0.248	0.286
Power Drift [dB]	0.02	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.1
Dist 3dB Peak [mm]		8.7



Meas.7 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 5	WCDMA, 10457-AAB	826.4, 4132	10.25	0.898	42.0	22.5	21.4

Hardware Setup

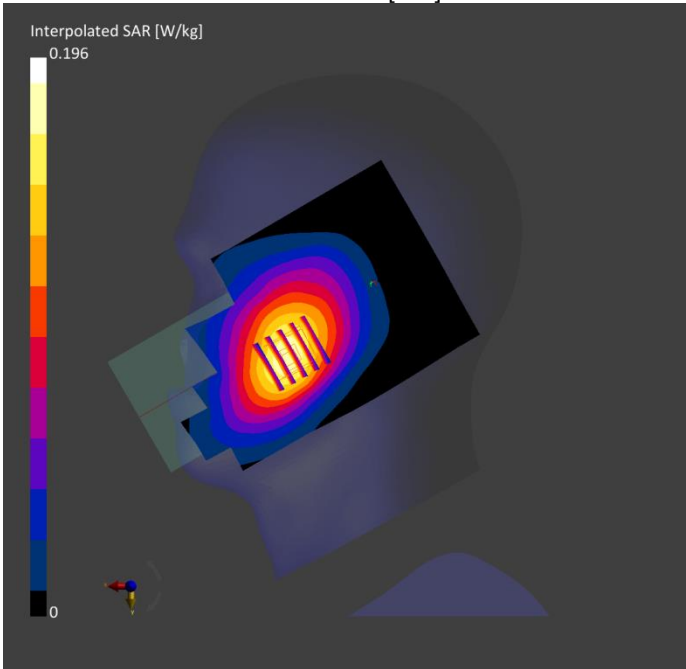
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	0.156	0.164
psSAR10g [W/kg]	0.106	0.131
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.6
Dist 3dB Peak [mm]		> 16.0



Meas.8 Body Plane with Front Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 5	WCDMA, 10457-AAB	826.4, 4132	10.25	0.898	42.0	22.5	21.4

Hardware Setup

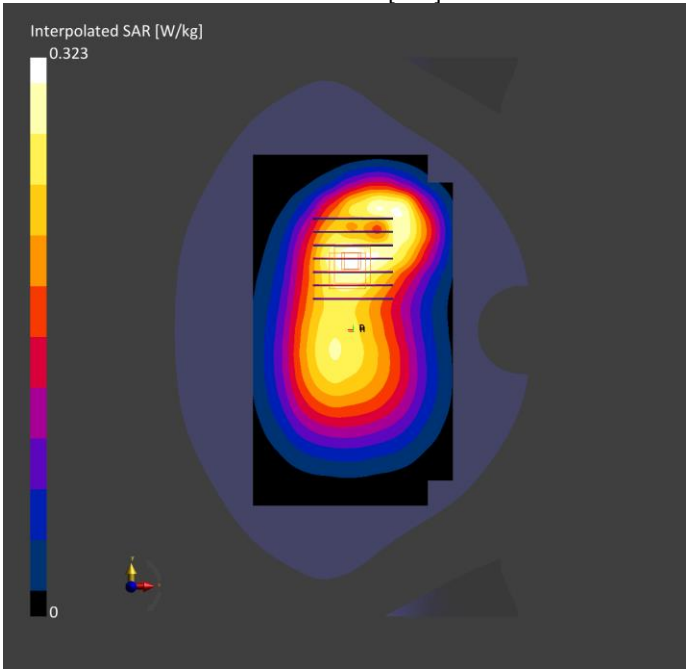
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	0.234	0.242
psSAR10g [W/kg]	0.159	0.177
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.1
Dist 3dB Peak [mm]		31.6



Meas.9 Body Plane with Front Side 0mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 5	WCDMA, 10457-AAB	826.4, 4132	10.25	0.898	42.0	22.5	21.4

Hardware Setup

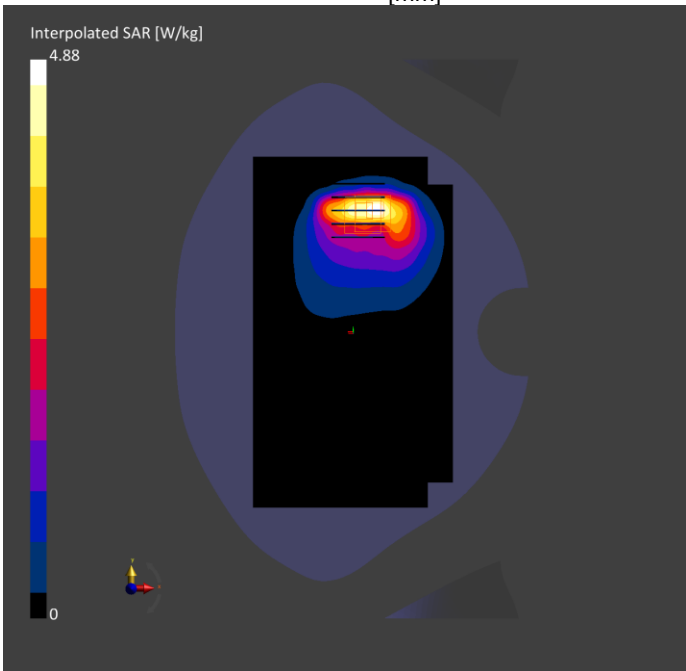
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-24	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-24	2025-11-24
psSAR1g [W/kg]	2.08	2.15
psSAR10g [W/kg]	1.22	1.06
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.7
Dist 3dB Peak [mm]		9.1



Meas.10 Left Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.64	1.91	39.0	22.4	21.6

Hardware Setup

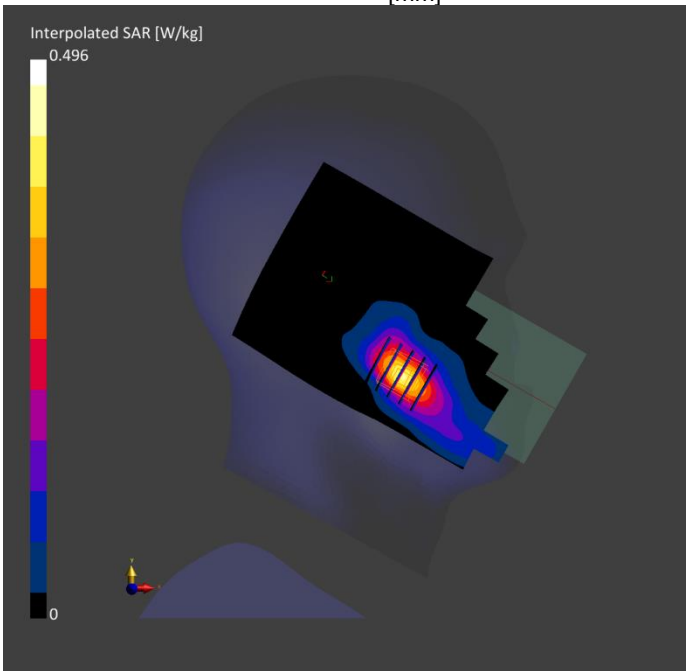
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-10	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-10	2025-09-10
psSAR1g [W/kg]	0.321	0.327
psSAR10g [W/kg]	0.159	0.193
Power Drift [dB]	-0.09	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.0
Dist 3dB Peak [mm]		10.5



Meas.11 Body Plane with Front Side 10mm on Middle Channel in LTE Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.64	1.91	39.0	22.4	21.6

Hardware Setup

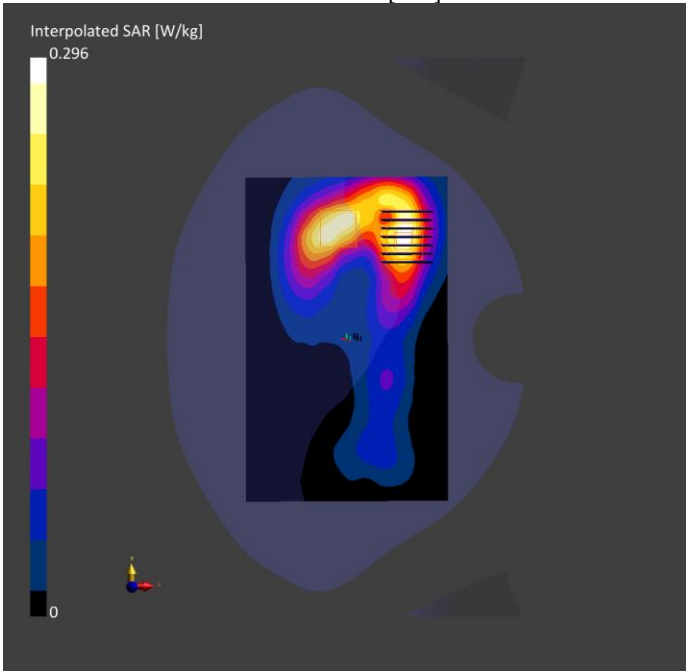
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-10	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-10	2025-09-10
psSAR1g [W/kg]	0.151	0.157
psSAR10g [W/kg]	0.078	0.080
Power Drift [dB]	0.04	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		12.2



Meas.12 Body Plane with Front Side 0mm on Middle Channel in LTE Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.0, 21100	7.64	1.91	39.0	22.4	21.6

Hardware Setup

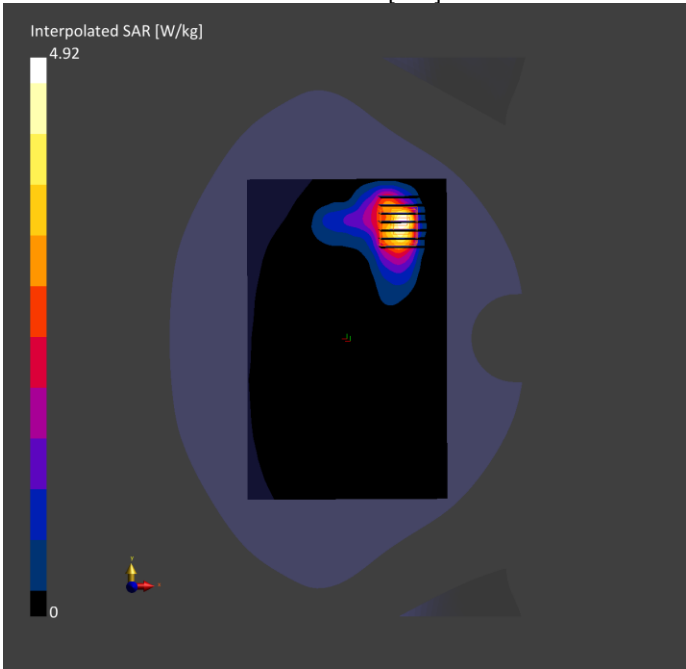
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-10	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-10	2025-09-10
psSAR1g [W/kg]	1.82	2.07
psSAR10g [W/kg]	0.872	0.862
Power Drift [dB]	-0.10	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.4
Dist 3dB Peak [mm]		5.7



Meas.13 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	704.0, 23060	10.64	0.884	42.4	22.6	21.5

Hardware Setup

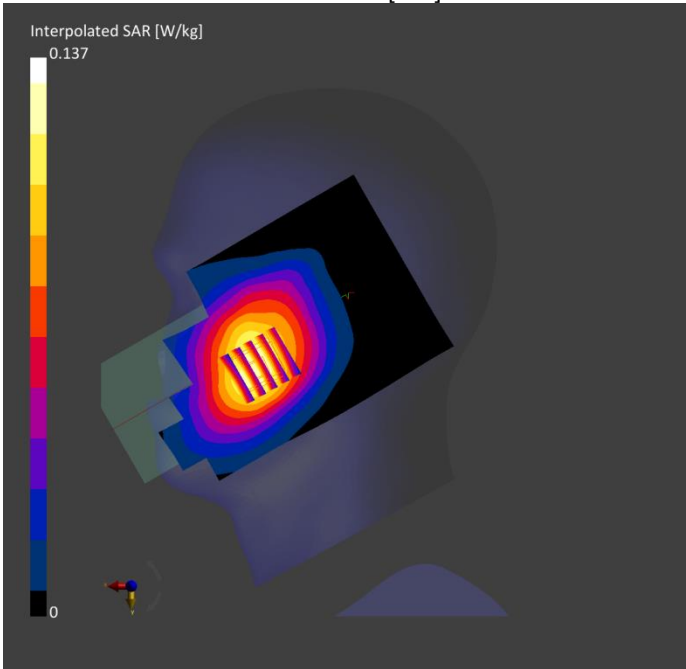
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-25	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-25	2025-11-25
psSAR1g [W/kg]	0.110	0.116
psSAR10g [W/kg]	0.076	0.094
Power Drift [dB]	-0.12	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.0
Dist 3dB Peak [mm]		> 16.0



Meas.14 Body Plane with Front Side 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 12	LTE-FDD, 10175-CAH	704.0, 23060	10.64	0.884	42.4	22.6	21.5

Hardware Setup

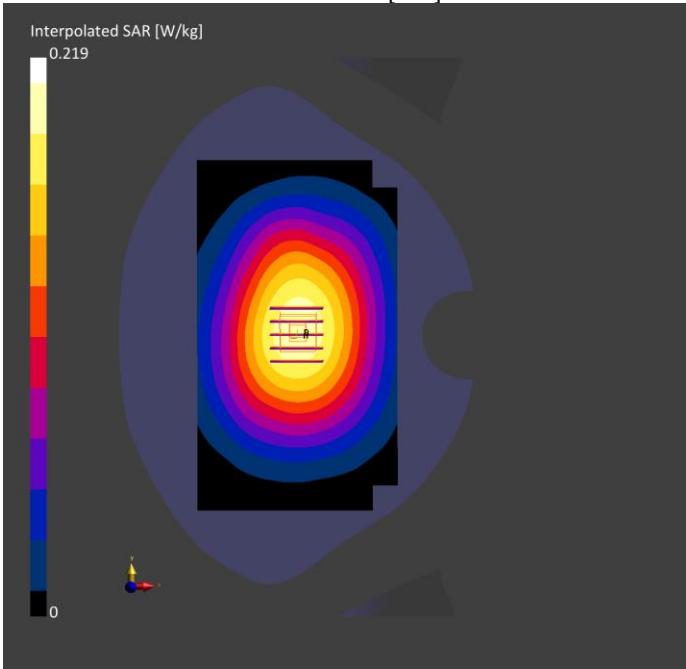
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-25	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-25	2025-11-25
psSAR1g [W/kg]	0.177	0.178
psSAR10g [W/kg]	0.127	0.139
Power Drift [dB]	-0.03	-0.19
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.0
Dist 3dB Peak [mm]		> 16.0



Meas.15 Body Plane with Front Side 0mm on Middle Channel in LTE Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 12	LTE-FDD, 10175-CAH	704.0, 23060	10.64	0.884	42.4	22.6	21.5

Hardware Setup

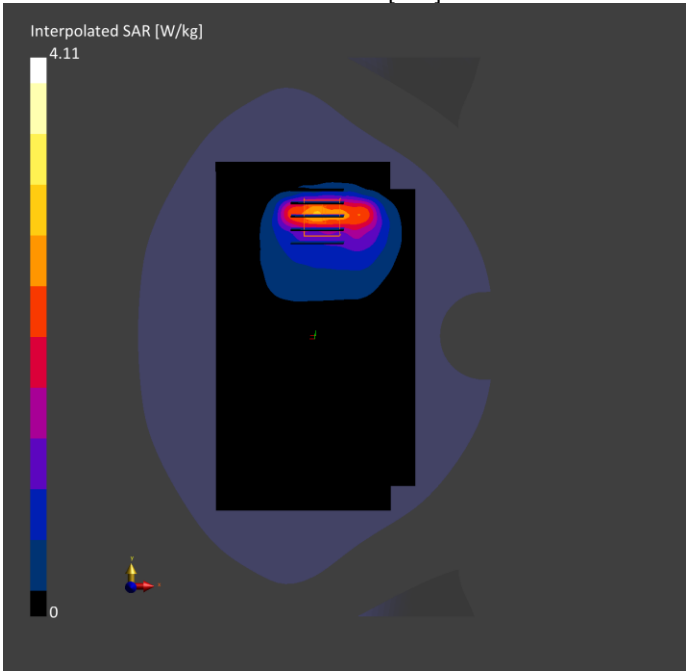
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-25	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-25	2025-11-25
psSAR1g [W/kg]	2.27	2.00
psSAR10g [W/kg]	1.36	1.07
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.2
Dist 3dB Peak [mm]		8.6



Meas.16 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	8.92	0.911	41.6	22.2	21.3

Hardware Setup

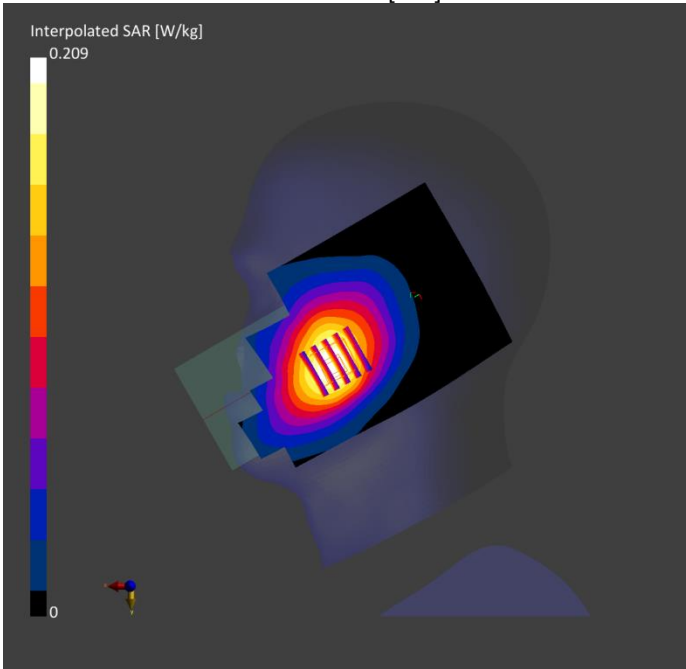
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-09	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-09	2025-07-09
psSAR1g [W/kg]	0.153	0.161
psSAR10g [W/kg]	0.105	0.130
Power Drift [dB]	0.06	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.6
Dist 3dB Peak [mm]		> 16.0



Meas.17 Body Plane with Front Side 10mm on Middle Channel in LTE Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	8.92	0.911	41.6	22.2	21.3

Hardware Setup

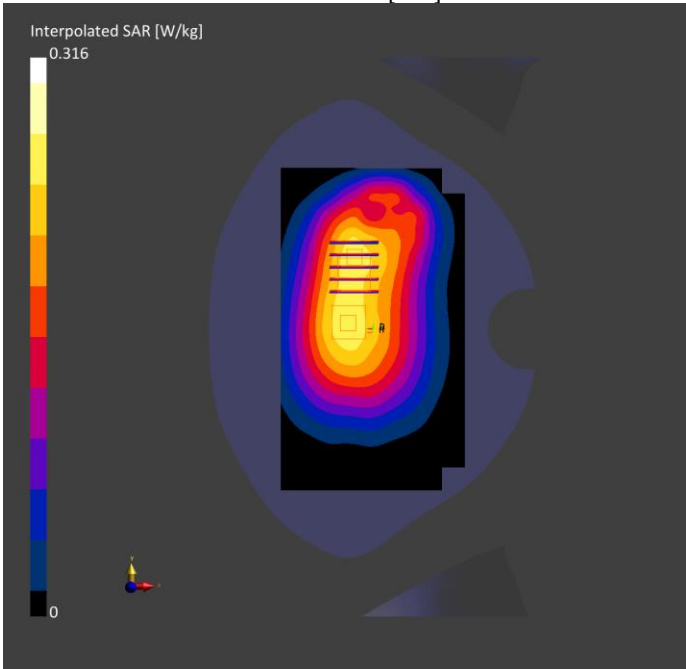
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-09	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-09	2025-07-09
psSAR1g [W/kg]	0.228	0.245
psSAR10g [W/kg]	0.161	0.192
Power Drift [dB]	-0.02	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.7
Dist 3dB Peak [mm]		> 16.0



Meas.18 Body Plane with Front Side 0mm on Middle Channel in LTE Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 13	LTE-FDD, 10175-CAH	782.0, 23230	8.92	0.911	41.6	22.2	21.3

Hardware Setup

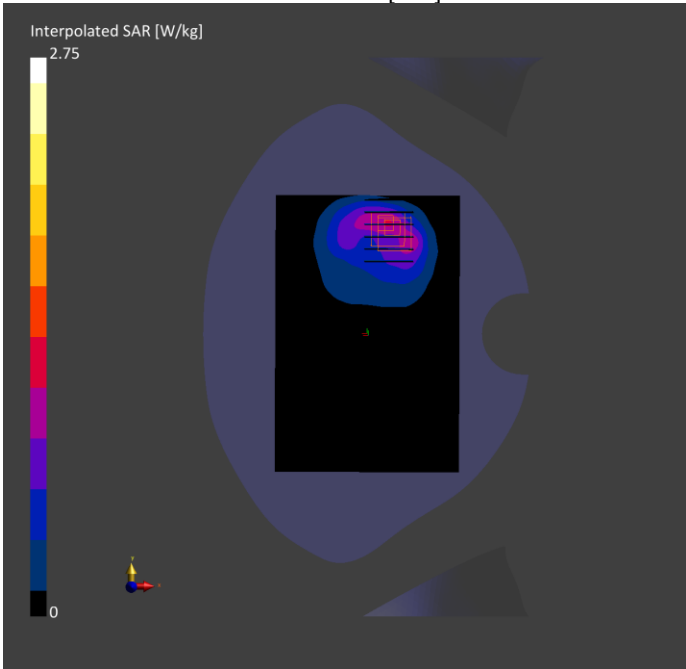
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-09	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-09	2025-07-09
psSAR1g [W/kg]	0.961	1.21
psSAR10g [W/kg]	0.612	0.634
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.5
Dist 3dB Peak [mm]		6.4



Meas.19 Right Head with Cheek on Middle Channel in LTE Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 14	LTE-FDD, 10175-CAH	793.0, 23330	8.92	0.922	41.5	22.6	21.4

Hardware Setup

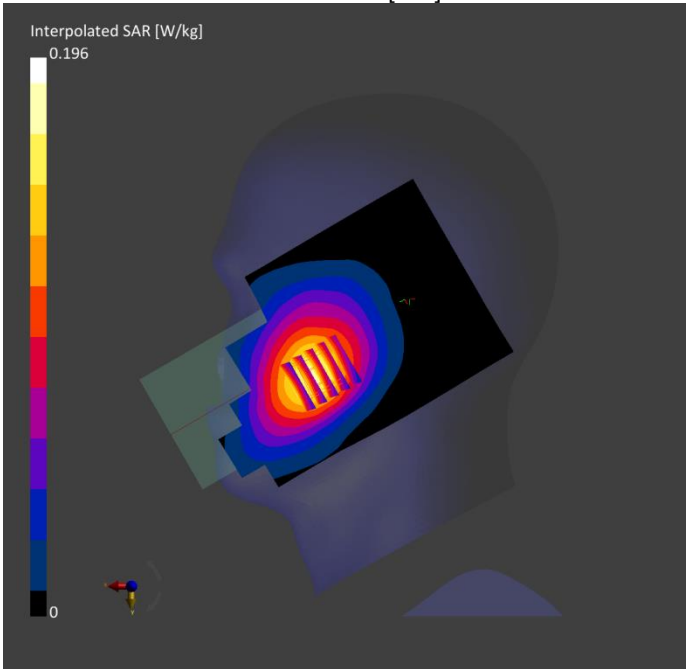
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	0.149	0.158
psSAR10g [W/kg]	0.102	0.128
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.2
Dist 3dB Peak [mm]		> 16.0



Meas.20 Body Plane with Front Side 10mm on Middle Channel in LTE Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 14	LTE-FDD, 10175-CAH	793.0, 23330	8.92	0.922	41.5	22.6	21.4

Hardware Setup

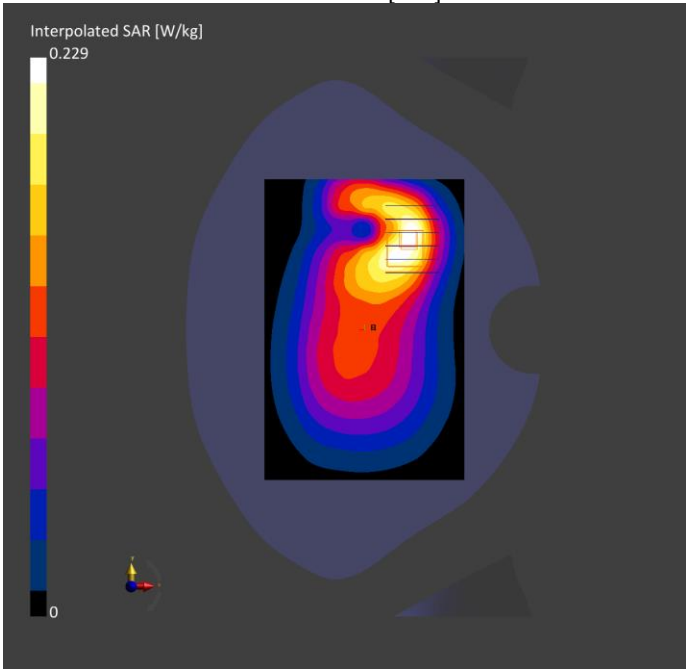
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	0.135	0.146
psSAR10g [W/kg]	0.090	0.094
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.9
Dist 3dB Peak [mm]		14.8



Meas.21 Body Plane with Front Side 0mm on Middle Channel in LTE Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 0.00	Band 14	LTE-FDD, 10175-CAH	793.0, 23330	8.92	0.922	41.5	22.6	21.4

Hardware Setup

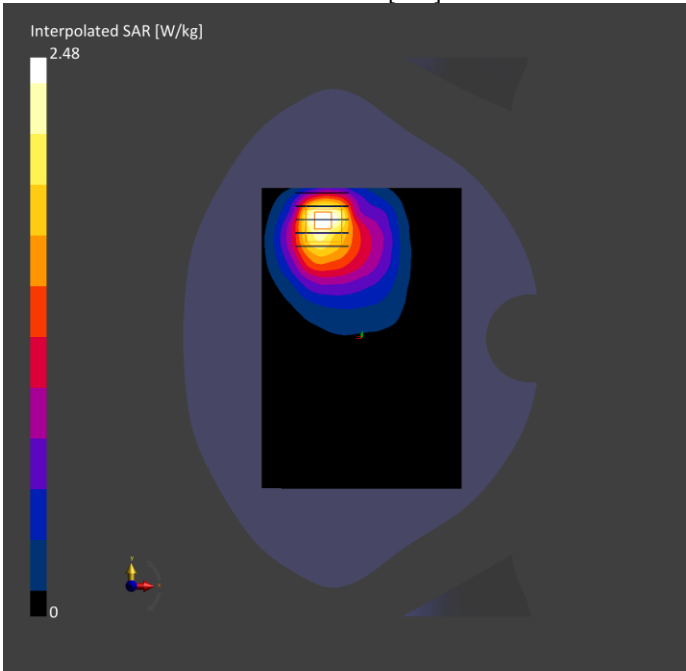
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	0.942	1.05
psSAR10g [W/kg]	0.606	0.557
Power Drift [dB]	-0.00	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.3
Dist 3dB Peak [mm]		10.1



Meas.22 Left Head with Cheek on Middle Channel in LTE Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 25	LTE-FDD, 10169-CAF	1882.5, 26365	8.35	1.39	40.0	22.5	21.2

Hardware Setup

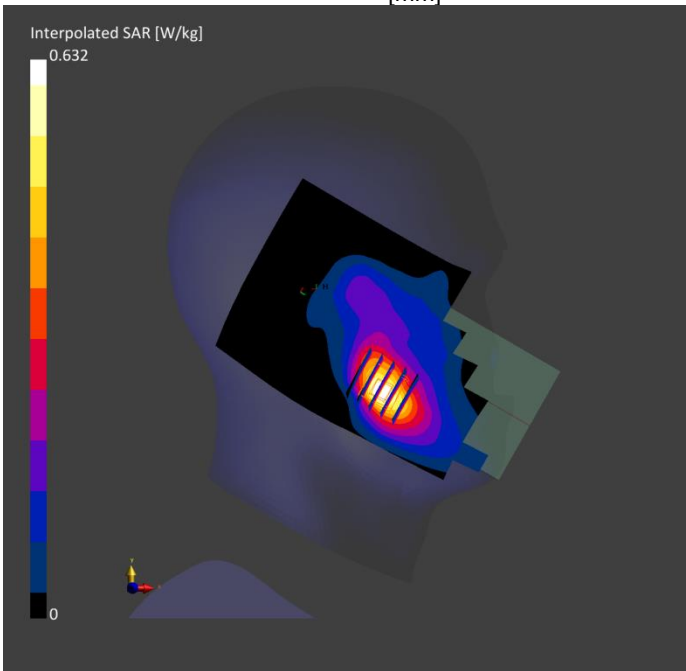
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-08	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-08	2025-09-08
psSAR1g [W/kg]	0.425	0.451
psSAR10g [W/kg]	0.234	0.294
Power Drift [dB]	-0.02	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.9
Dist 3dB Peak [mm]		11.2



Meas.23 Body Plane with Right Edge 10mm on Low Channel in LTE Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE RIGHT, 10.00	Band 25	LTE-FDD, 10169-CAF	1860.0, 26140	8.35	1.38	40.4	22.5	21.2

Hardware Setup

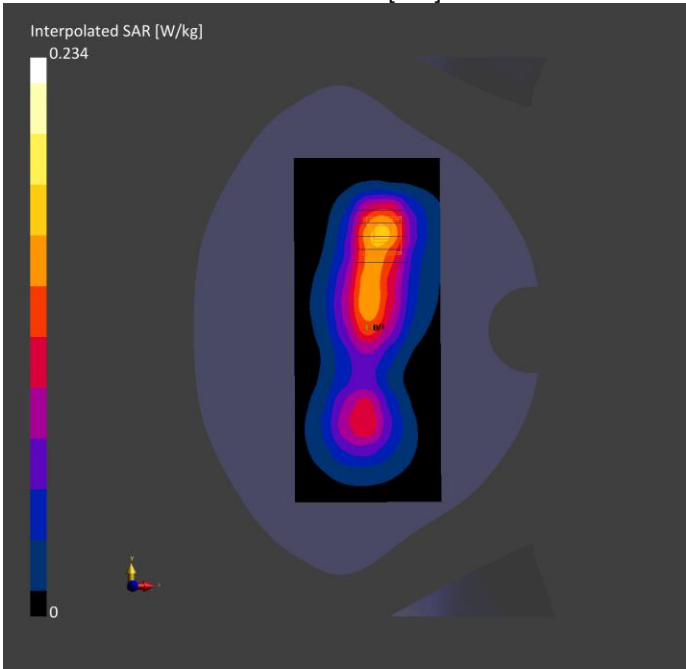
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-08	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-08	2025-09-08
psSAR1g [W/kg]	0.139	0.143
psSAR10g [W/kg]	0.083	0.085
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.9
Dist 3dB Peak [mm]		14.3



Meas.24 Body Plane with Right Edge 0mm on Low Channel in LTE Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE RIGHT, 0.00	Band 25	LTE-FDD, 10169-CAF	1860.0, 26140	8.35	1.38	40.4	22.5	21.2

Hardware Setup

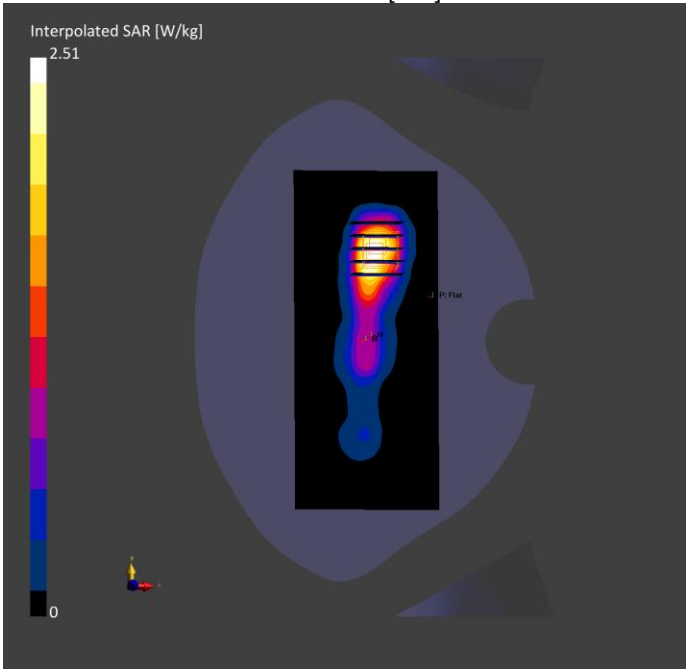
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-08	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-08	2025-09-08
psSAR1g [W/kg]	1.27	1.41
psSAR10g [W/kg]	0.707	0.732
Power Drift [dB]	-0.01	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.2
Dist 3dB Peak [mm]		9.6



Meas.25 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	8.85	0.891	42.0	22.3	21.2

Hardware Setup

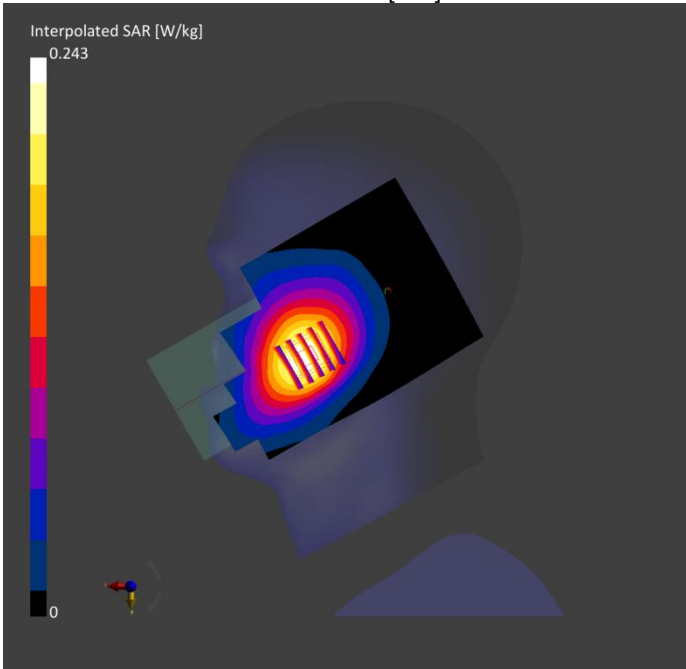
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	0.185	0.197
psSAR10g [W/kg]	0.126	0.159
Power Drift [dB]	-0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.0
Dist 3dB Peak [mm]		> 16.0



Meas.26 Body Plane with Front Side 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	8.85	0.891	42.0	22.3	21.2

Hardware Setup

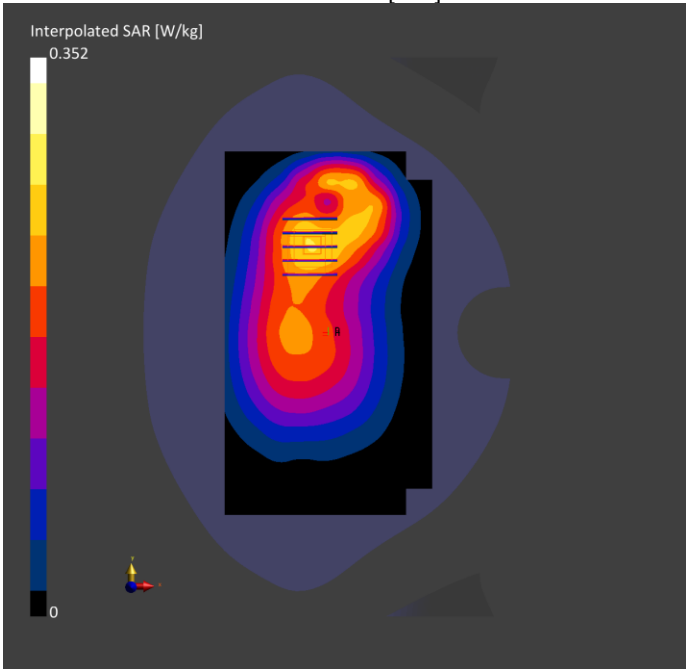
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	0.236	0.251
psSAR10g [W/kg]	0.163	0.184
Power Drift [dB]	0.04	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.1
Dist 3dB Peak [mm]		> 16.0



Meas.27 Body Plane with Front Side 0mm on Middle Channel in LTE Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	8.85	0.891	42.0	22.3	21.2

Hardware Setup

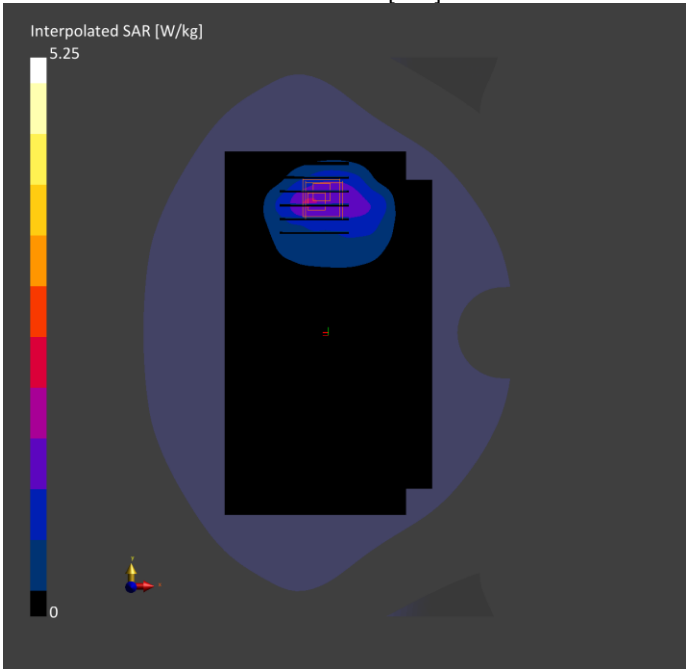
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	1.54	2.27
psSAR10g [W/kg]	1.00	1.11
Power Drift [dB]	0.04	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.5
Dist 3dB Peak [mm]		6.4



Meas.28 Left Head with Cheek on Middle Channel in LTE Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.0, 27710	7.23	1.65	40.6	22.6	21.4

Hardware Setup

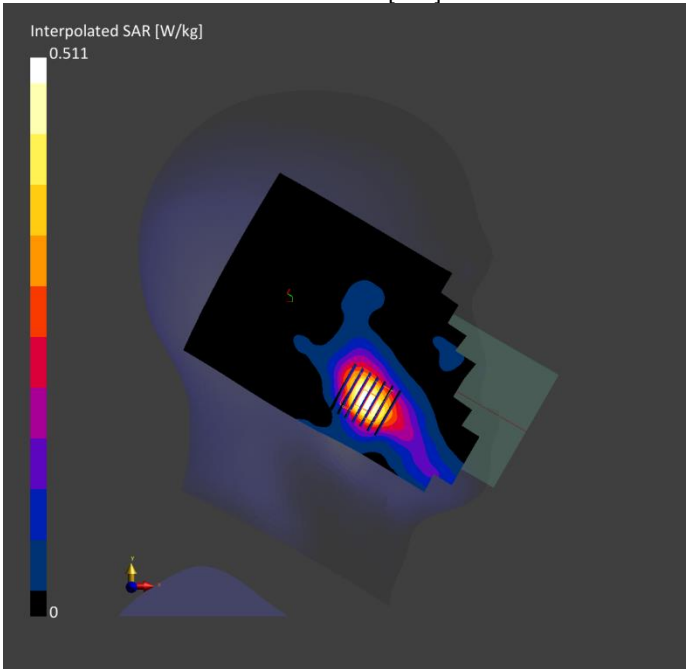
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/kg]	0.303	0.347
psSAR10g [W/kg]	0.159	0.202
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.5
Dist 3dB Peak [mm]		10.1



Meas.29 Body Plane with Front Side 10mm on Middle Channel in LTE Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 30	LTE-FDD, 10175-CAH	2310.0, 27710	7.23	1.65	40.6	22.6	21.4

Hardware Setup

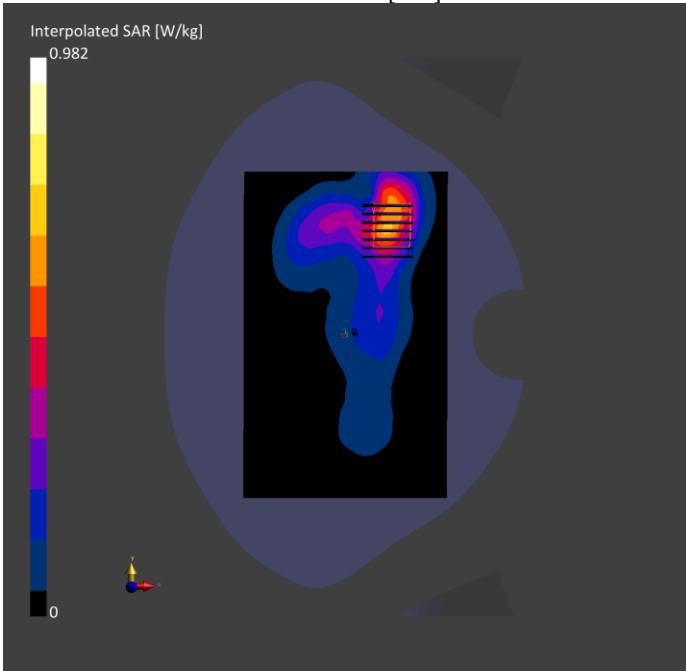
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/kg]	0.541	0.579
psSAR10g [W/kg]	0.291	0.314
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.2
Dist 3dB Peak [mm]		10.6



Meas.30 Body Plane with Front Side 0mm on Middle Channel in LTE Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.0, 27710	7.23	1.65	40.6	22.6	21.4

Hardware Setup

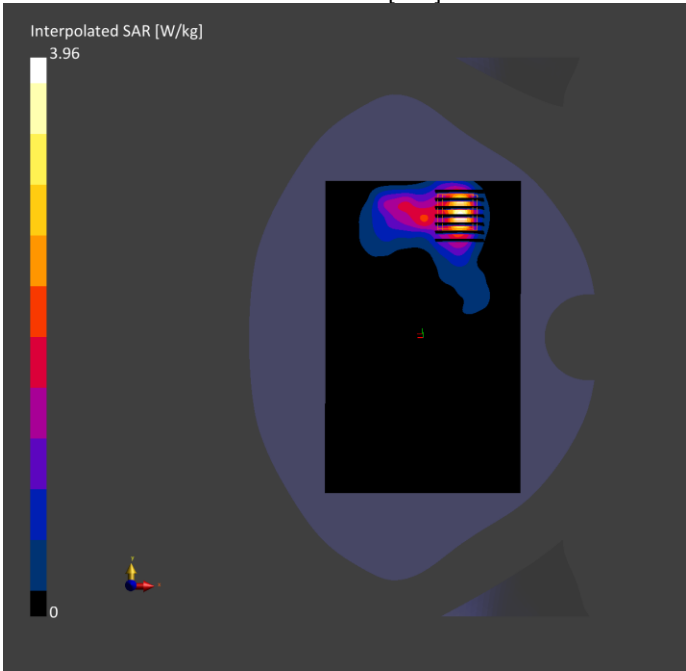
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-12	2025-08-12
psSAR1g [W/kg]	1.74	1.81
psSAR10g [W/kg]	0.797	0.762
Power Drift [dB]	-0.08	0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		7.0



Meas.31 Left Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.72	1.37	40.2	22.7	21.2

Hardware Setup

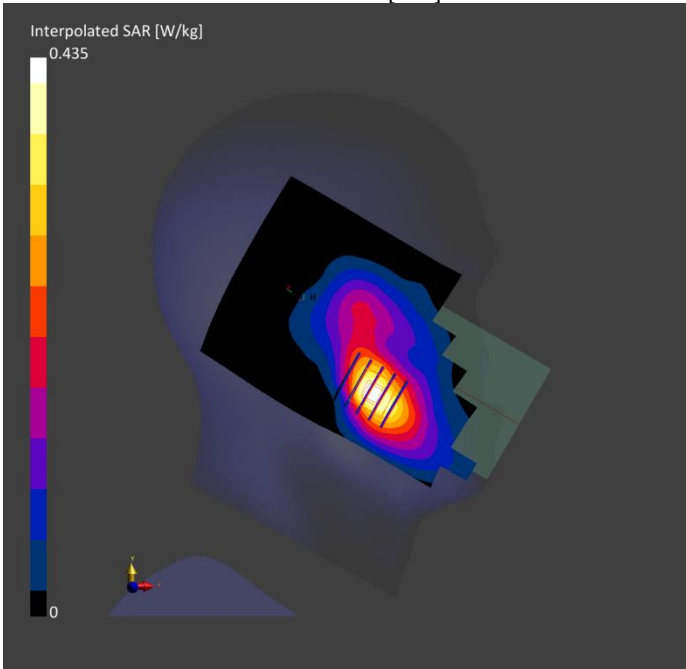
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-05	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-05	2025-09-05
psSAR1g [W/kg]	0.303	0.328
psSAR10g [W/kg]	0.176	0.226
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		77.9
Dist 3dB Peak [mm]		11.9



Meas.32 Body Plane with Front Side 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.72	1.37	40.2	22.7	21.2

Hardware Setup

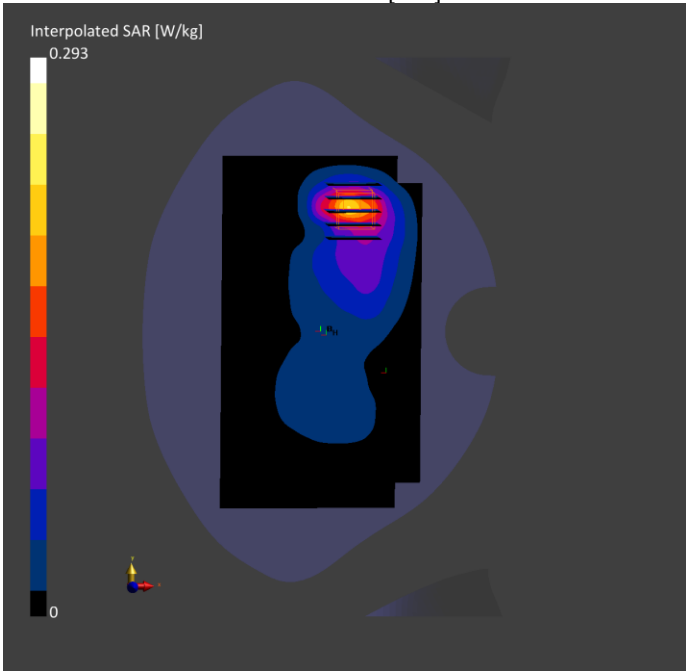
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-05	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-05	2025-09-05
psSAR1g [W/kg]	0.174	0.170
psSAR10g [W/kg]	0.094	0.091
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		10.1



Meas.33 Body Plane with Front Side 0mm on Middle Channel in LTE Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 66	LTE-FDD, 10169-CAF	1745.0, 132322	8.72	1.37	40.2	22.7	21.2

Hardware Setup

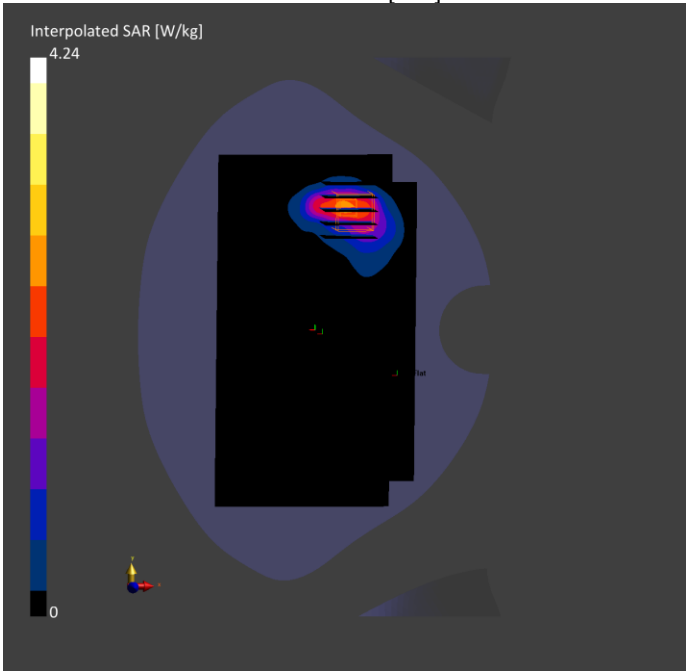
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-05	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-05	2025-09-05
psSAR1g [W/kg]	2.14	1.92
psSAR10g [W/kg]	1.15	0.944
Power Drift [dB]	0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.6
Dist 3dB Peak [mm]		7.2



Meas.34 Right Head with Cheek on Middle Channel in LTE Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 71	LTE-FDD, 10169-CAF	683.0, 133322	8.92	0.882	42.3	22.6	21.4

Hardware Setup

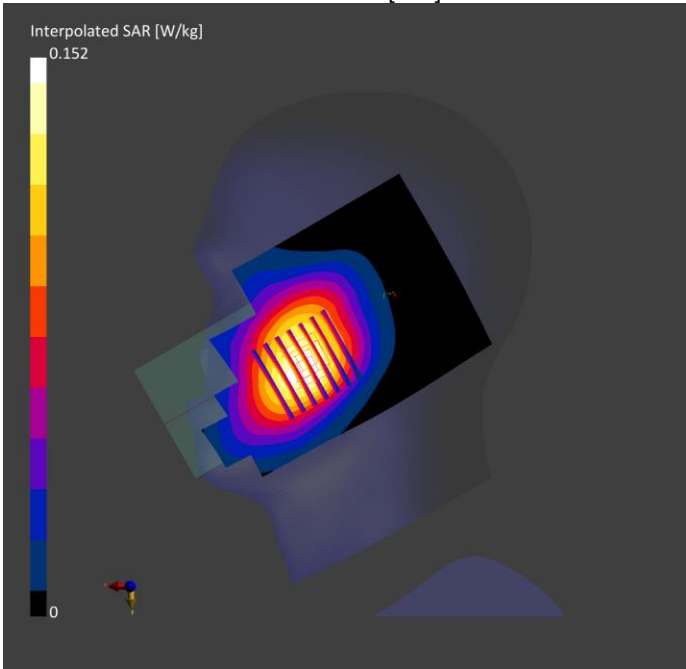
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	0.118	0.128
psSAR10g [W/kg]	0.082	0.104
Power Drift [dB]	0.02	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		84.9
Dist 3dB Peak [mm]		23.4



Meas.35 Body Plane with Front Side 10mm on Middle Channel in LTE Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 71	LTE-FDD, 10169-CAF	683.0, 133322	8.92	0.882	42.3	22.6	21.4

Hardware Setup

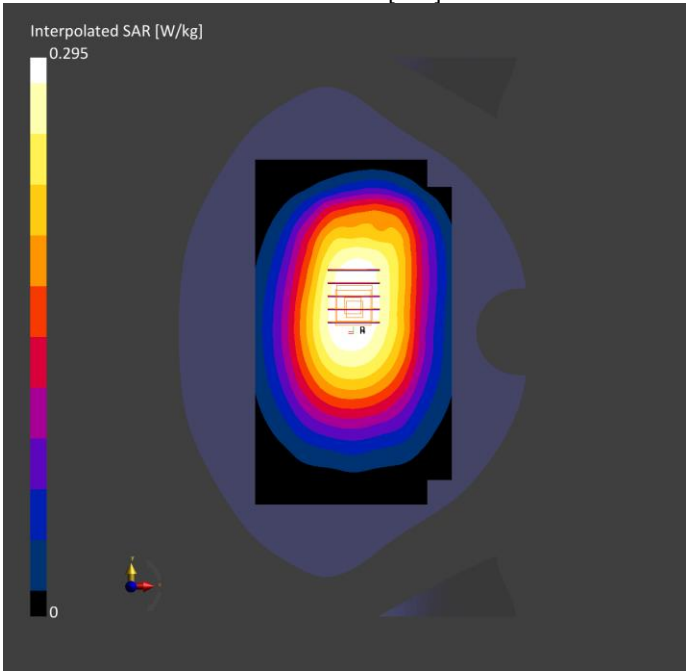
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	0.223	0.242
psSAR10g [W/kg]	0.161	0.194
Power Drift [dB]	0.08	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		81.3
Dist 3dB Peak [mm]		> 16.0



Meas.36 Body Plane with Front Side 0mm on Middle Channel in LTE Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 71	LTE-FDD, 10169-CAF	683.0, 133322	8.92	0.882	42.3	22.6	21.4

Hardware Setup

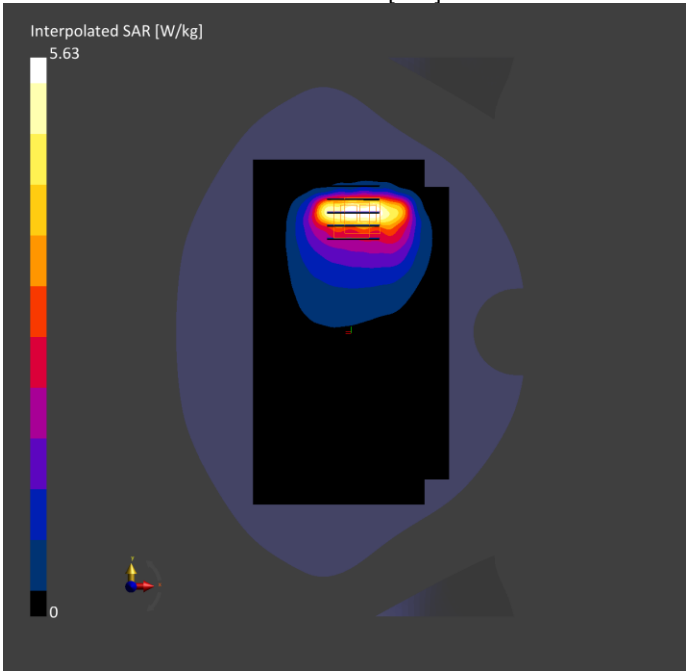
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-10	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-10	2025-07-10
psSAR1g [W/kg]	2.31	2.22
psSAR10g [W/kg]	1.41	1.09
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.8
Dist 3dB Peak [mm]		4.8



Meas.37 Left Head with Cheek on Middle Channel in LTE Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 41	LTE-TDD, 10435-AAG	2593.0, 40620	7.64	1.96	38.5	22.3	21.6

Hardware Setup

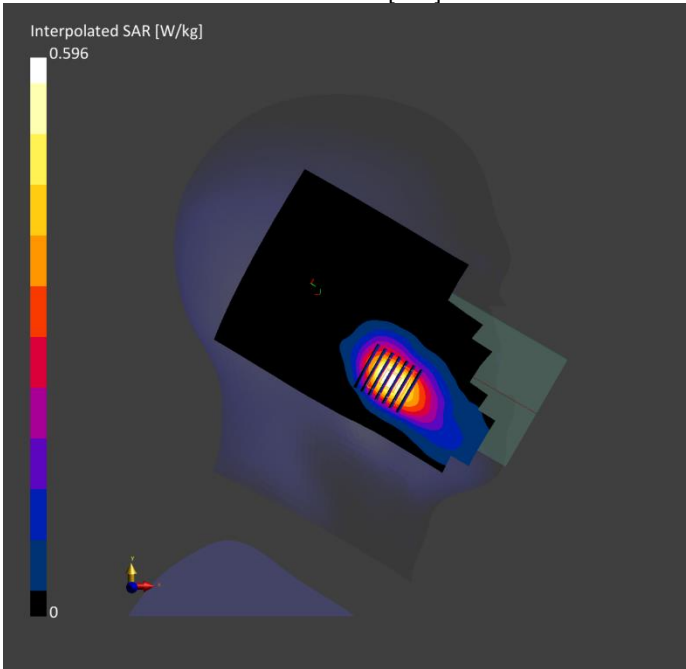
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-11	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-11	2025-09-11
psSAR1g [W/kg]	0.351	0.380
psSAR10g [W/kg]	0.182	0.214
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.1
Dist 3dB Peak [mm]		10.0



Meas.38 Body Plane with Front Side 10mm on Middle Channel in LTE Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.64	1.96	38.5	22.3	21.6

Hardware Setup

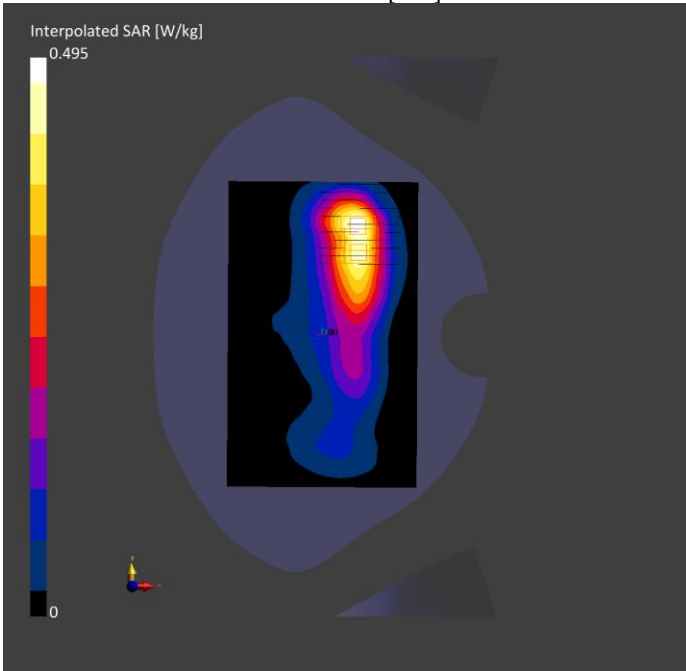
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-11	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-11	2025-09-11
psSAR1g [W/kg]	0.288	0.287
psSAR10g [W/kg]	0.155	0.158
Power Drift [dB]	0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		9.8



Meas.39 Body Plane with Front Side 0mm on Middle Channel in LTE Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band 41	LTE-TDD, 10172-CAH	2593.0, 40620	7.64	1.96	38.5	22.3	21.6

Hardware Setup

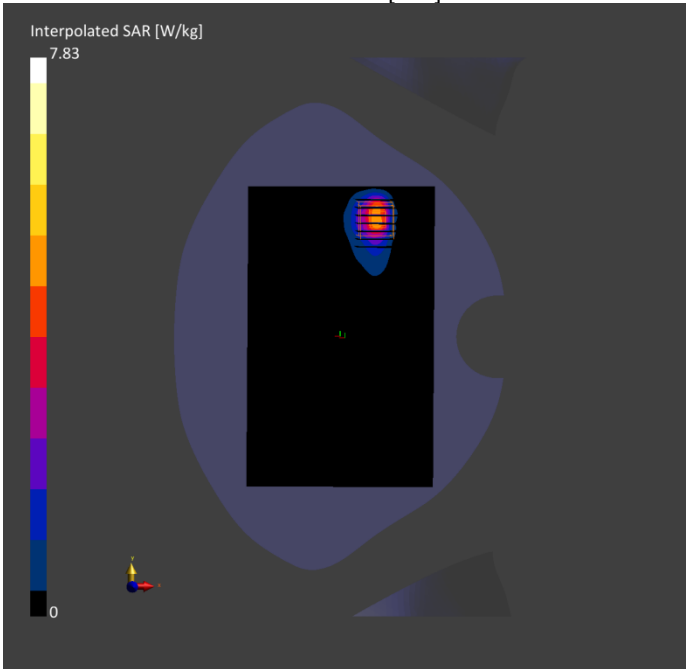
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-11	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-11	2025-09-11
psSAR1g [W/kg]	1.43	1.41
psSAR10g [W/kg]	0.667	0.602
Power Drift [dB]	-0.09	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.6
Dist 3dB Peak [mm]		5.7



Meas.40 Right Head with Cheek on Middle Channel in LTE Band43 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band 43	LTE-TDD, 10172-CAH	3700.0, 44590	6.85	3.13	37.6	22.6	21.9

Hardware Setup

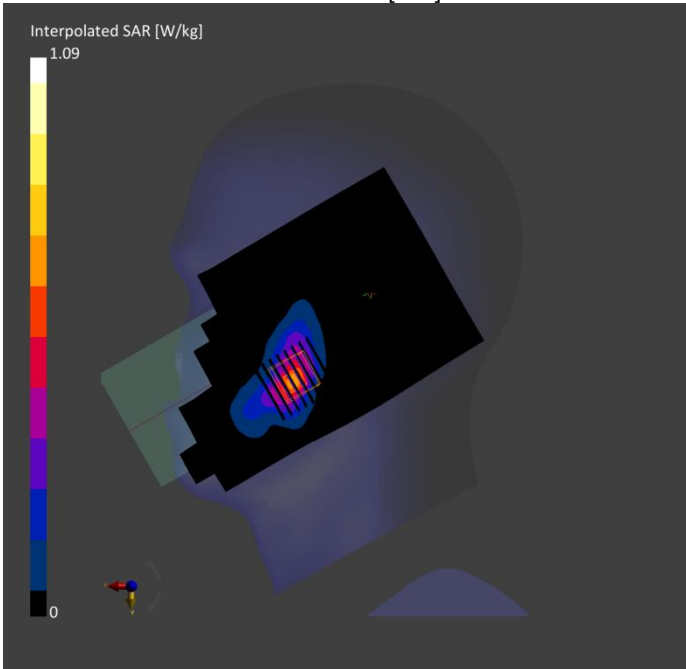
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-15	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	25.0 x 25.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-15	2025-09-15
psSAR1g [W/kg]	0.497	0.516
psSAR10g [W/kg]	0.206	0.228
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		8.9



Meas.41 Body Plane with Back Side 10mm on Middle Channel in LTE Band43 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band 43	LTE-TDD, 10172-CAH	3700.0, 44590	6.85	3.13	37.6	22.6	21.9

Hardware Setup

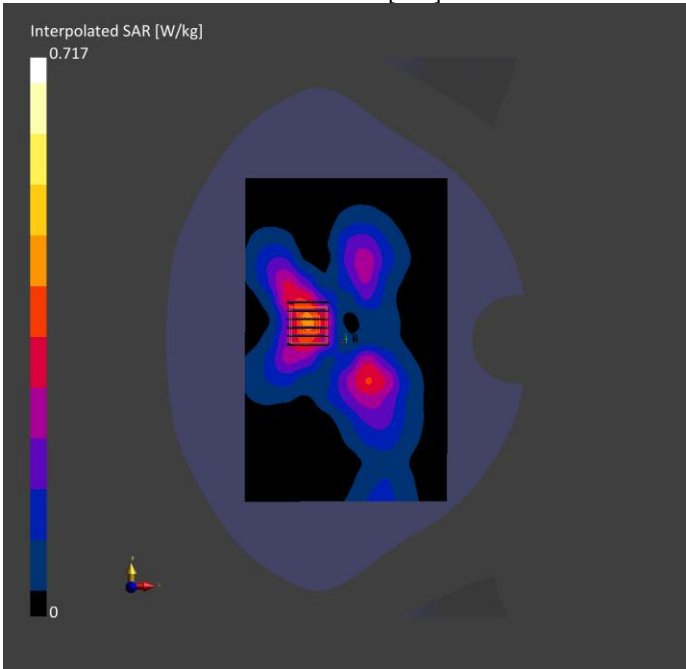
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-15	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	25.0 x 25.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-15	2025-09-15
psSAR1g [W/kg]	0.335	0.367
psSAR10g [W/kg]	0.157	0.185
Power Drift [dB]	0.10	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.0
Dist 3dB Peak [mm]		14.0



Meas.42 Body Plane with Left Edge 0mm on Middle Channel in LTE Band43 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band 43	LTE-TDD, 10172-CAH	3700.0, 44590	6.85	3.13	37.6	22.6	21.9

Hardware Setup

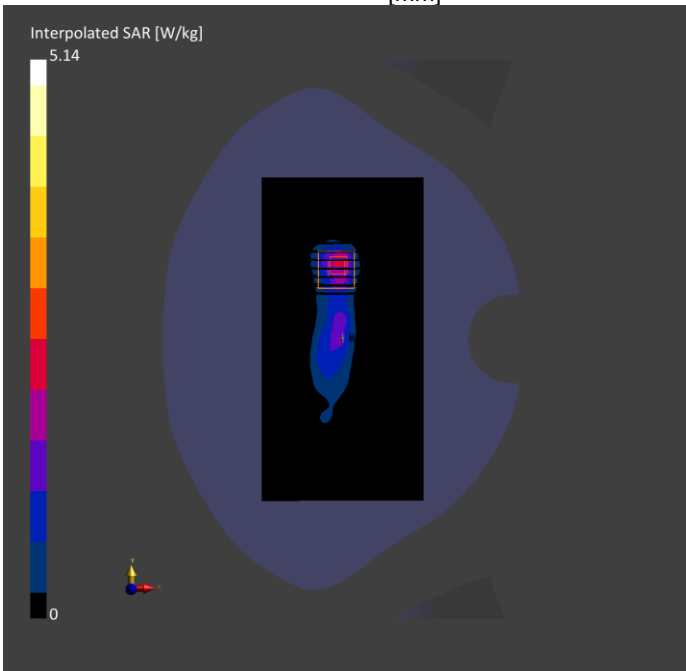
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-15	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	25.0 x 25.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-15	2025-09-15
psSAR1g [W/kg]	1.76	2.20
psSAR10g [W/kg]	0.678	0.814
Power Drift [dB]	0.02	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.8
Dist 3dB Peak [mm]		7.0



Meas.43 Left Head with Cheek on 376000 Channel in NR Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n2	5G NR FR1 FDD, 10931-AAC	1880.0, 376000	7.34	1.39	40.0	22.1	21.1

Hardware Setup

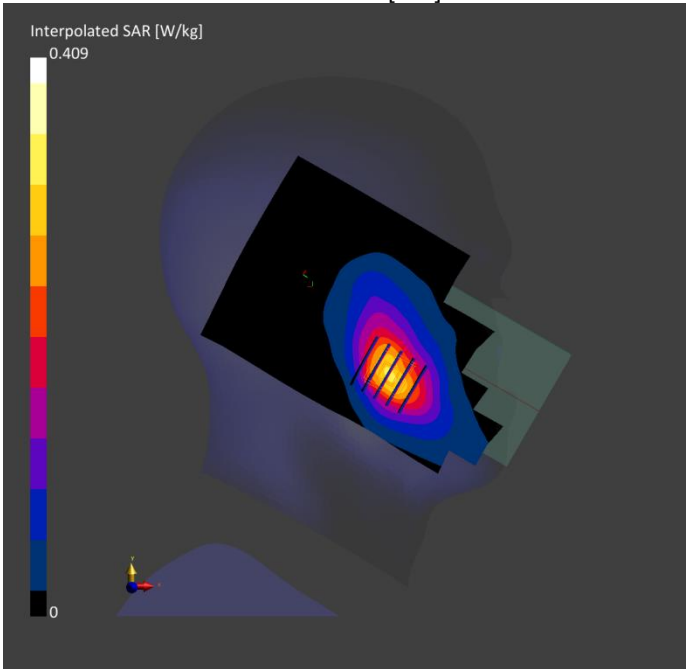
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/kg]	0.258	0.272
psSAR10g [W/kg]	0.151	0.167
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.3
Dist 3dB Peak [mm]		13.6



Meas.44 Body Plane with Back Side 10mm on 376000 Channel in NR Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n2	5G NR FR1 FDD, 10931-AAC	1880.0, 376000	7.34	1.39	40.0	22.1	21.1

Hardware Setup

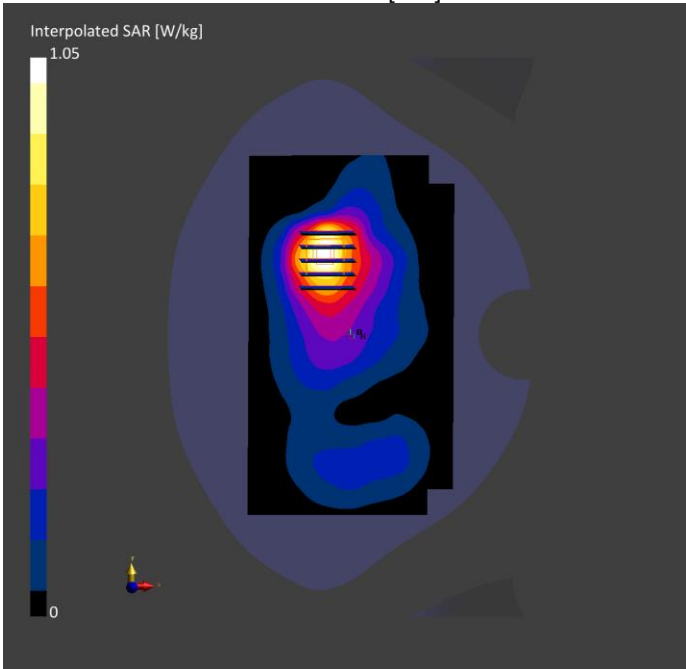
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/kg]	0.611	0.640
psSAR10g [W/kg]	0.356	0.370
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		13.8



Meas.45 Body Plane with Front Side 0mm on 376000 Channel in NR Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n2	5G NR FR1 FDD, 10931-AAC	1880.0, 376000	7.34	1.39	40.0	22.1	21.1

Hardware Setup

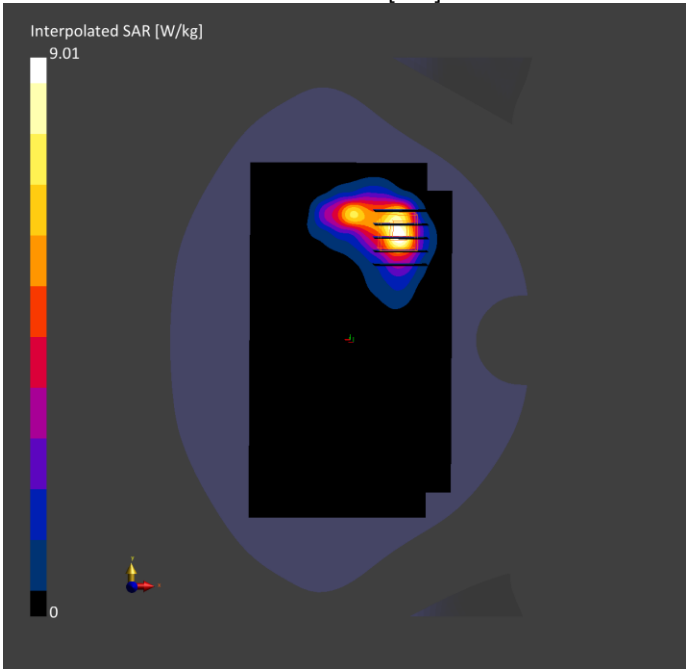
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-11	2025-08-11
psSAR1g [W/kg]	4.31	4.61
psSAR10g [W/kg]	2.28	2.25
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.0
Dist 3dB Peak [mm]		9.1



Meas.46 Right Head with Cheek on 167300 Channel in NR Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.5, 167300	8.85	0.904	41.9	22.5	21.4

Hardware Setup

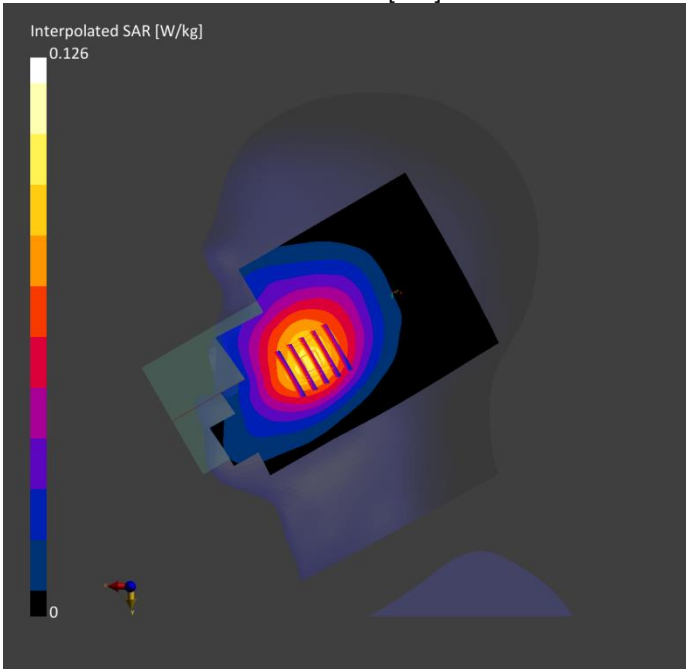
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-17	2025-07-17
psSAR1g [W/kg]	0.088	0.098
psSAR10g [W/kg]	0.060	0.078
Power Drift [dB]	-0.13	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		> 16.0



Meas.47 Body Plane with Front Side 10mm on 167300 Channel in NR Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.5, 167300	8.85	0.904	41.9	22.5	21.4

Hardware Setup

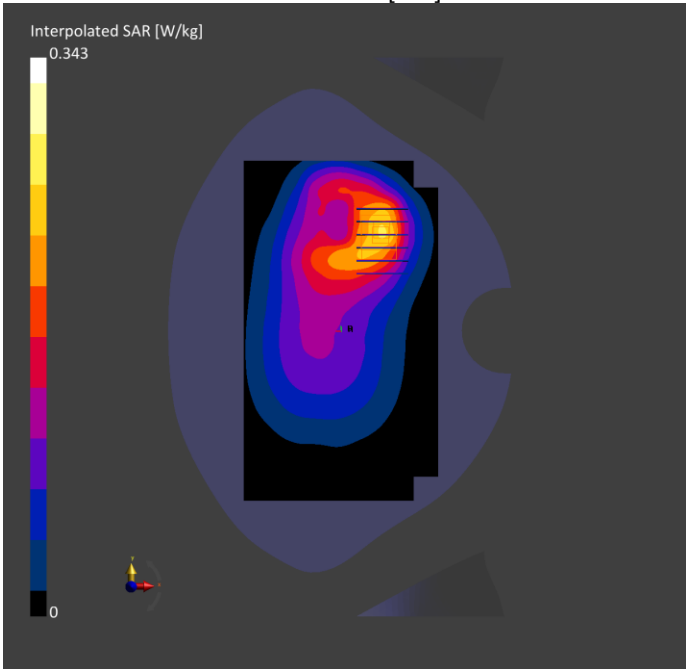
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-17	2025-07-17
psSAR1g [W/kg]	0.228	0.222
psSAR10g [W/kg]	0.152	0.141
Power Drift [dB]	-0.05	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		14.3



Meas.48 Body Plane with Front Side 0mm on 167300 Channel in NR Band5 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.5, 167300	8.85	0.904	41.9	22.5	21.4

Hardware Setup

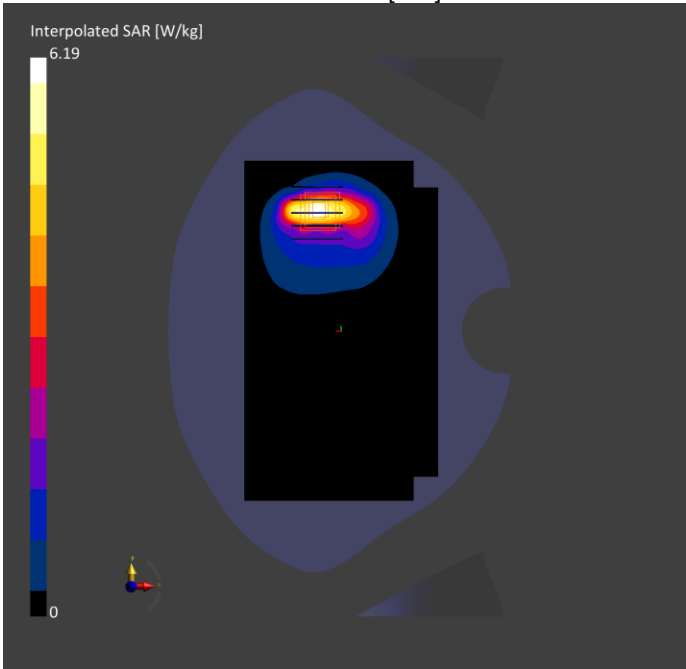
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-17	2025-07-17
psSAR1g [W/kg]	2.98	2.73
psSAR10g [W/kg]	1.70	1.38
Power Drift [dB]	-0.10	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.4
Dist 3dB Peak [mm]		6.4



Meas.49 Left Head with Cheek on 507000 Channel in NR Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.06	1.90	39.1	22.3	21.7

Hardware Setup

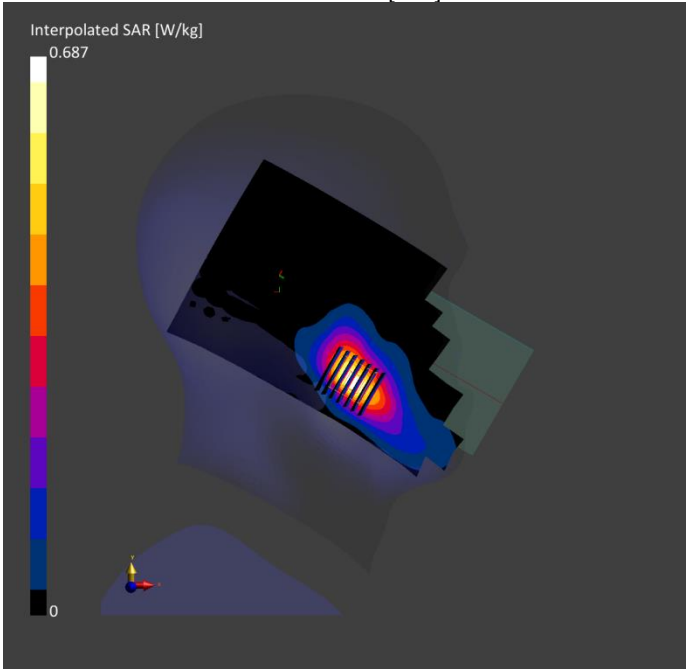
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/kg]	0.399	0.418
psSAR10g [W/kg]	0.200	0.228
Power Drift [dB]	0.03	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.6
Dist 3dB Peak [mm]		9.3



Meas.50 Body Plane with Front Side 10mm on 507000 Channel in NR Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n7	5G NR FR1 FDD, 10931-AAC	2535.0, 507000	7.06	1.90	39.1	22.3	21.7

Hardware Setup

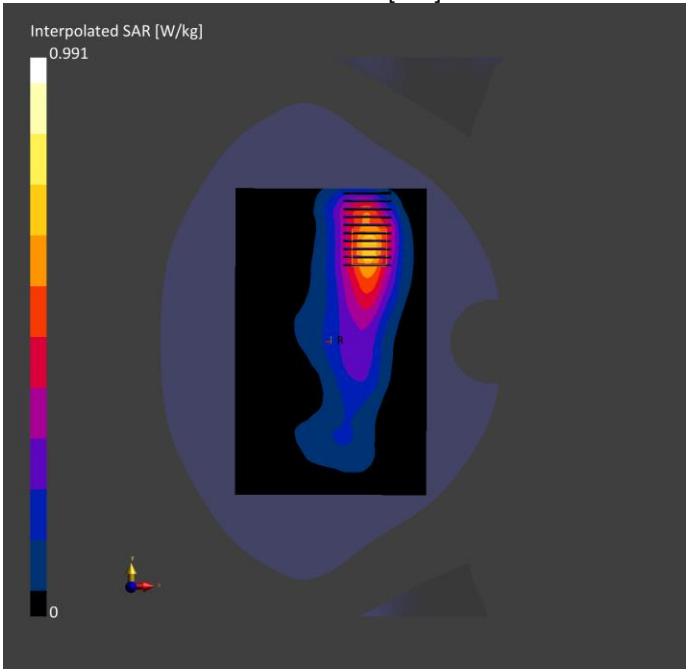
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/kg]	0.585	0.615
psSAR10g [W/kg]	0.314	0.339
Power Drift [dB]	0.06	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.3
Dist 3dB Peak [mm]		14.1



Meas.51 Body Plane with Front Side 0mm on 512000 Channel in NR Band7 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n7	5G NR FR1 FDD, 10931-AAC	2560.0, 512000	7.06	1.92	38.9	22.3	21.7

Hardware Setup

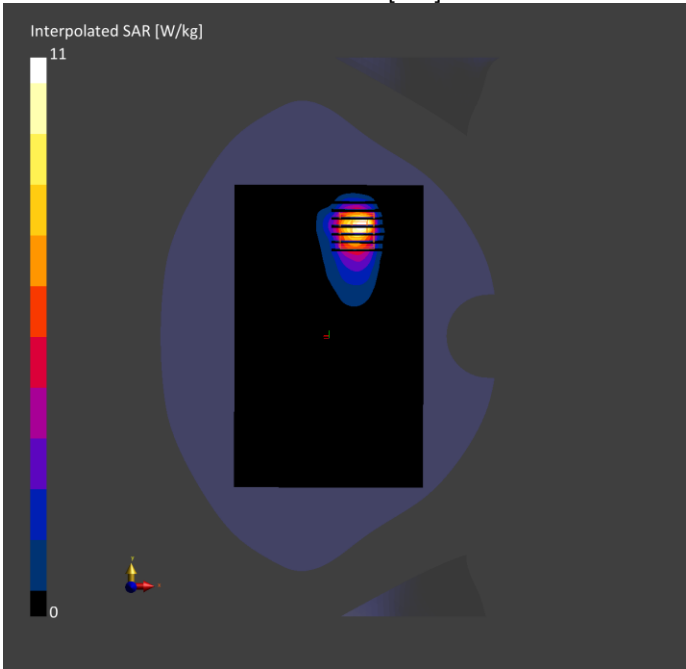
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-16	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-16	2025-08-16
psSAR1g [W/kg]	4.46	5.26
psSAR10g [W/kg]	2.05	2.35
Power Drift [dB]	0.17	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.1
Dist 3dB Peak [mm]		6.4



Meas.52 Left Head with Cheek on 141500 Channel in NR Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	8.92	0.885	42.5	22	21.3

Hardware Setup

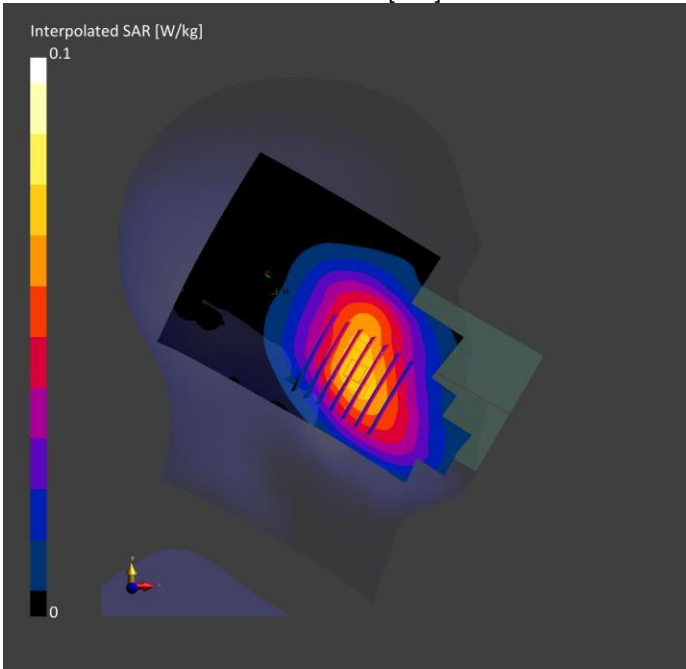
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	0.065	0.069
psSAR10g [W/kg]	0.045	0.055
Power Drift [dB]	0.05	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.5
Dist 3dB Peak [mm]		> 16.0



Meas.53 Body Plane with Front Side 10mm on 141500 Channel in NR Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	8.92	0.885	42.5	22	21.3

Hardware Setup

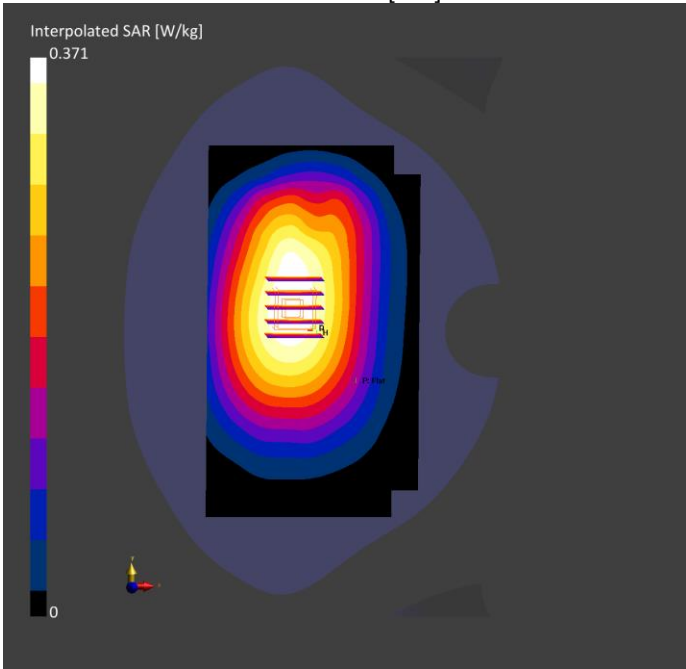
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	0.264	0.302
psSAR10g [W/kg]	0.188	0.235
Power Drift [dB]	-0.11	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		> 16.0



Meas.54 Body Plane with Front Side 0mm on 141500 Channel in NR Band12 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n12	5G NR FR1 FDD, 10930-AAC	707.5, 141500	8.92	0.885	42.5	22	21.3

Hardware Setup

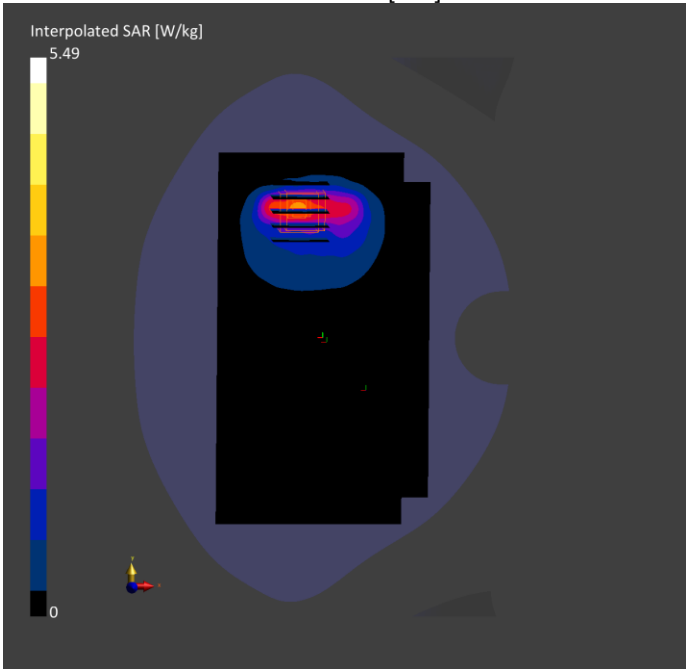
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	2.79	2.50
psSAR10g [W/kg]	1.63	1.32
Power Drift [dB]	-0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.7
Dist 3dB Peak [mm]		6.4



Meas.55 Left Head with Cheek on 156400 Channel in NR Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n13	5G NR FR1 FDD, 10929-AAD	782.0, 156400	8.92	0.909	41.6	22	21.3

Hardware Setup

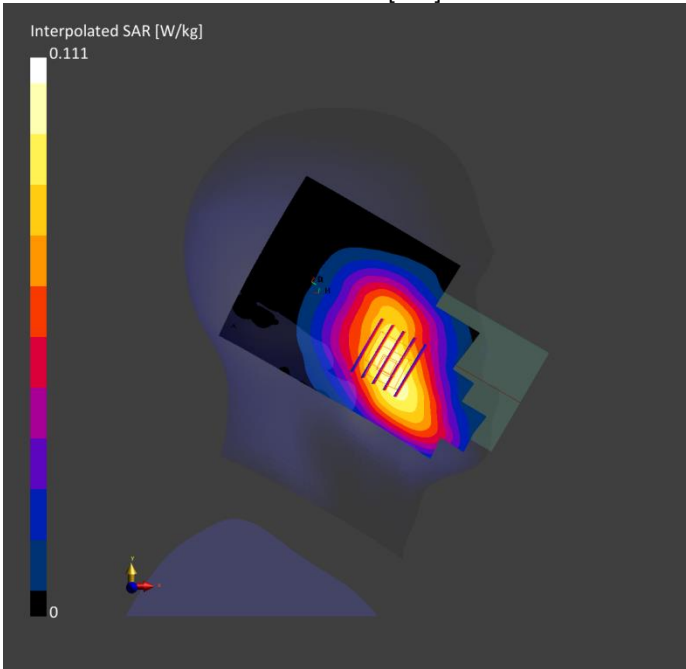
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	0.079	0.084
psSAR10g [W/kg]	0.055	0.066
Power Drift [dB]	-0.10	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.9
Dist 3dB Peak [mm]		31.1



Meas.56 Body Plane with Front Side 10mm on 156400 Channel in NR Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n13	5G NR FR1 FDD, 10929-AAD	782.0, 156400	8.92	0.909	41.6	22	21.3

Hardware Setup

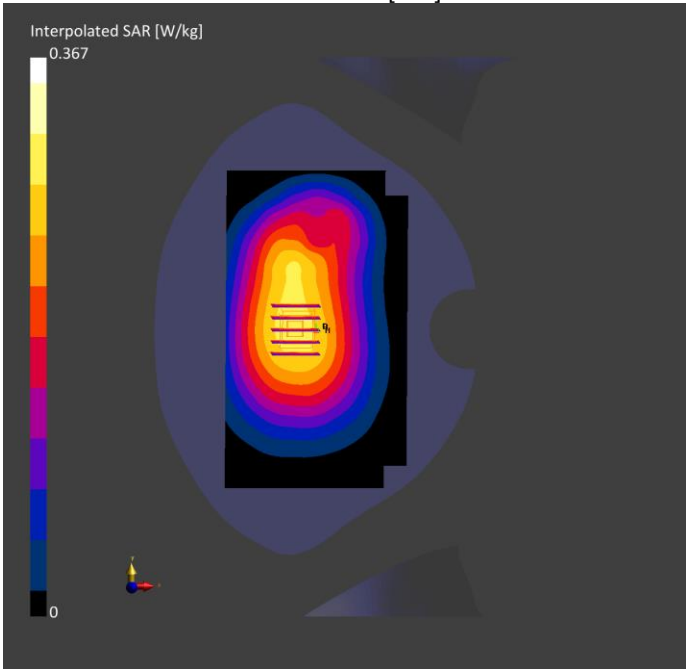
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	0.260	0.303
psSAR10g [W/kg]	0.185	0.237
Power Drift [dB]	-0.08	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.6
Dist 3dB Peak [mm]		> 16.0



Meas.57 Body Plane with Front Side 0mm on 156400 Channel in NR Band13 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n13	5G NR FR1 FDD, 10929-AAD	782.0, 156400	8.92	0.909	41.6	22	21.3

Hardware Setup

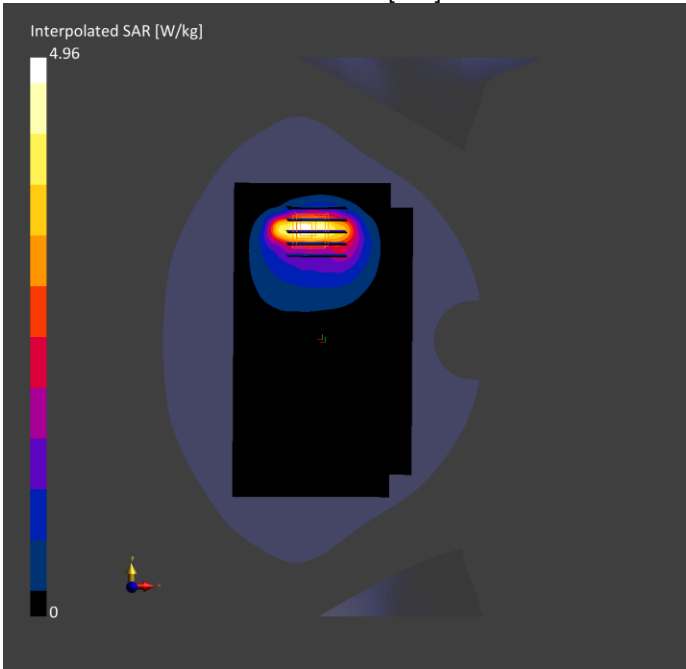
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-11	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-11	2025-07-11
psSAR1g [W/kg]	2.50	2.36
psSAR10g [W/kg]	1.47	1.22
Power Drift [dB]	-0.03	0.19
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.2
Dist 3dB Peak [mm]		6.4



Meas.58 Left Head with Cheek on 158600 Channel in NR Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.0, 158600	8.92	0.941	41.9	22.1	21.3

Hardware Setup

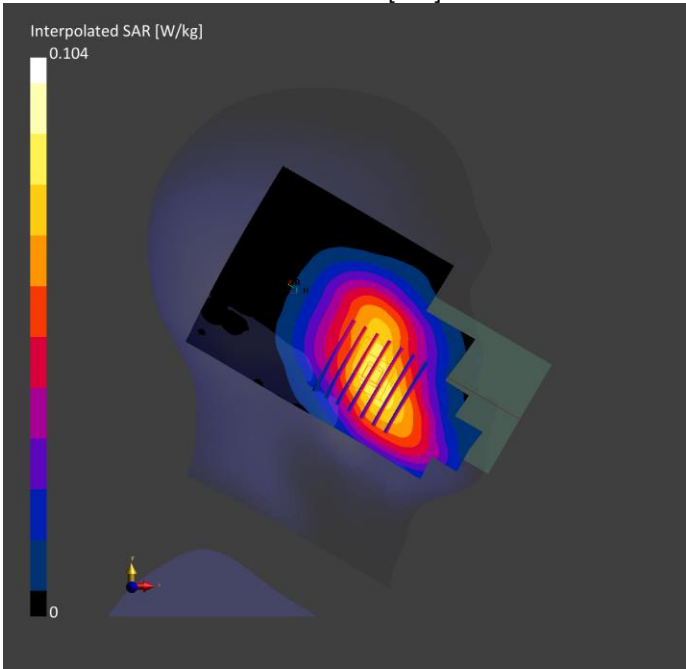
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	0.075	0.079
psSAR10g [W/kg]	0.052	0.063
Power Drift [dB]	-0.01	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		76.4
Dist 3dB Peak [mm]		> 16.0



Meas.59 Body Plane with Front Side 10mm on 158600 Channel in NR Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.0, 158600	8.92	0.941	41.9	22.1	21.3

Hardware Setup

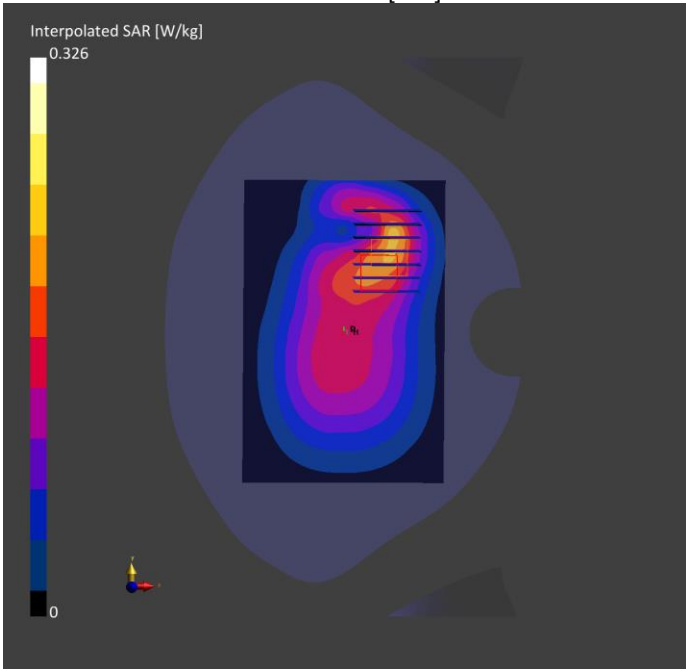
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	0.196	0.200
psSAR10g [W/kg]	0.130	0.128
Power Drift [dB]	0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.7
Dist 3dB Peak [mm]		12.8



Meas.60 Body Plane with Front Side 0mm on 158600 Channel in NR Band14 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.0, 158600	8.92	0.941	41.9	22.1	21.3

Hardware Setup

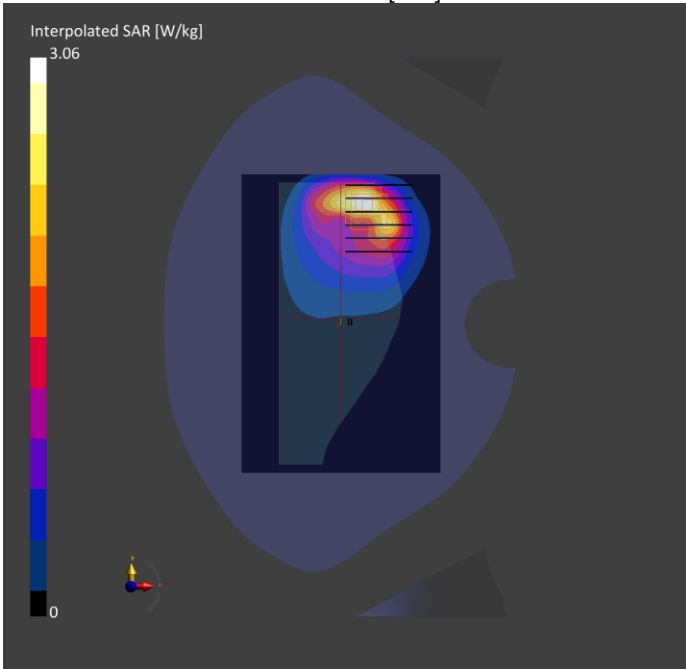
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	1.23	1.40
psSAR10g [W/kg]	0.740	0.720
Power Drift [dB]	-0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		37.0
Dist 3dB Peak [mm]		8.0



Meas.61 Left Head with Cheek on 376500 Channel in NR Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n25	5G NR FR1 FDD, 10931-AAC	1882.5, 376500	8.35	1.42	40.1	22.6	21.7

Hardware Setup

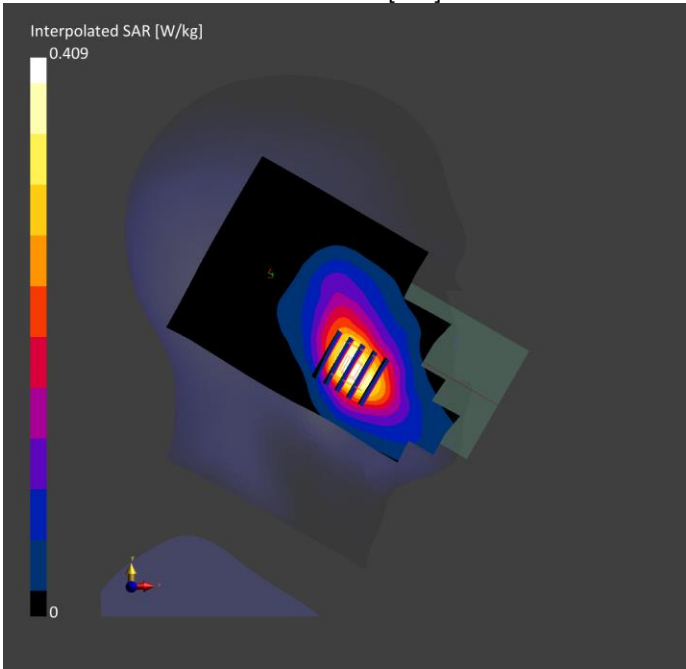
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-09	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-09	2025-09-09
psSAR1g [W/kg]	0.256	0.273
psSAR10g [W/kg]	0.150	0.168
Power Drift [dB]	0.06	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.6
Dist 3dB Peak [mm]		13.6



Meas.62 Body Plane with Front Side 10mm on 376500 Channel in NR Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n25	5G NR FR1 FDD, 10931-AAC	1882.5, 376500	8.35	1.42	40.1	22.6	21.7

Hardware Setup

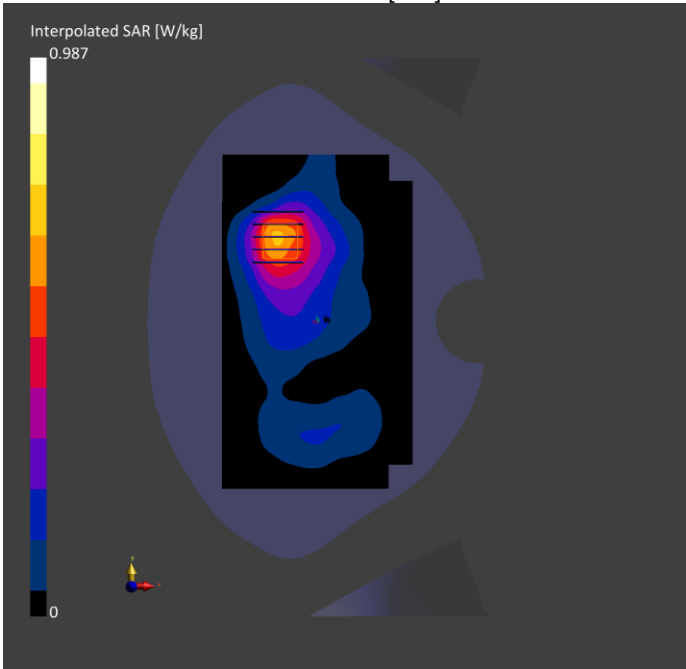
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-09	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-09	2025-09-09
psSAR1g [W/kg]	0.573	0.610
psSAR10g [W/kg]	0.339	0.357
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		15.2



Meas.63 Body Plane with Front Side 0mm on 376500 Channel in NR Band25 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n25	5G NR FR1 FDD, 10931-AAC	1882.5, 376500	8.35	1.42	40.1	22.6	21.7

Hardware Setup

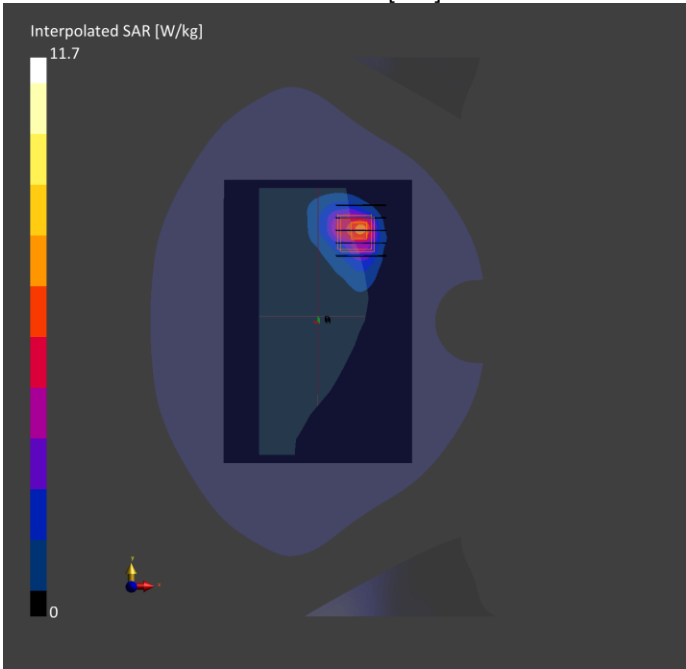
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-09	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-09	2025-09-09
psSAR1g [W/kg]	4.73	4.59
psSAR10g [W/kg]	2.53	2.23
Power Drift [dB]	-0.02	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		8.0



Meas.64 Left Head with Cheek on 166300 Channel in NR Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n26	5G NR FR1 FDD, 10931-AAC	831.5, 166300	8.85	0.891	42.0	22.3	21.2

Hardware Setup

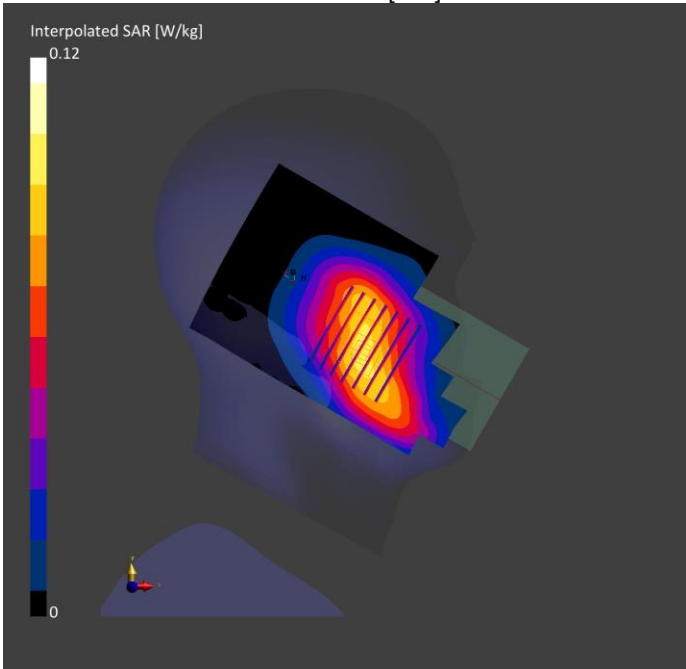
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	0.083	0.091
psSAR10g [W/kg]	0.058	0.073
Power Drift [dB]	0.20	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.2
Dist 3dB Peak [mm]		20.7



Meas.65 Body Plane with Front Side 10mm on 166300 Channel in NR Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n26	5G NR FR1 FDD, 10931-AAC	831.5, 166300	8.85	0.891	42.0	22.3	21.2

Hardware Setup

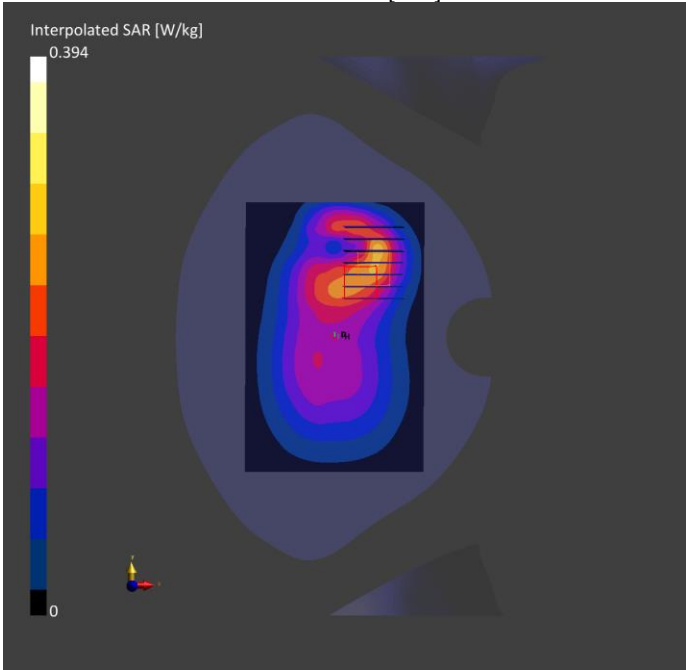
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	0.236	0.240
psSAR10g [W/kg]	0.155	0.150
Power Drift [dB]	0.05	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		12.8



Meas.66 Body Plane with Front Side 0mm on 166300 Channel in NR Band26 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n26	5G NR FR1 FDD, 10931-AAC	831.5, 166300	8.85	0.891	42.0	22.3	21.2

Hardware Setup

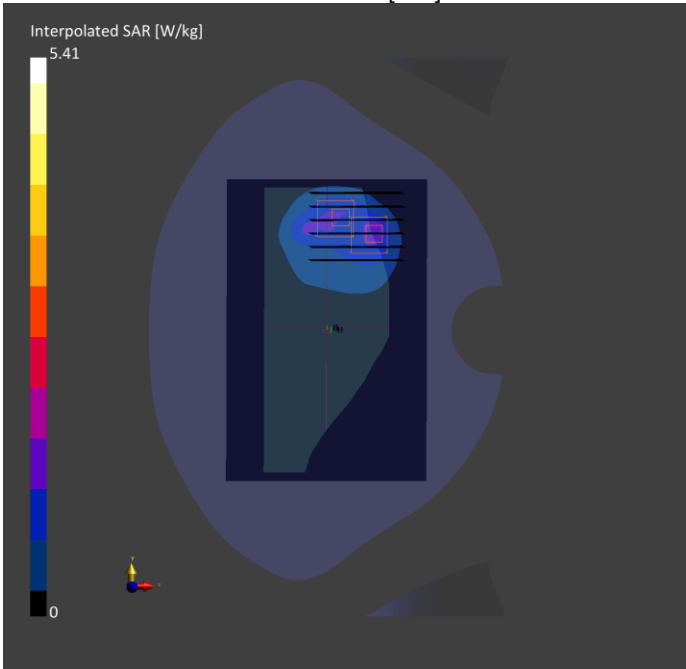
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-14	2025-07-14
psSAR1g [W/kg]	1.37	2.11
psSAR10g [W/kg]	0.827	0.968
Power Drift [dB]	-0.07	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.9
Dist 3dB Peak [mm]		6.4



Meas.67 Left Head with Cheek on 462000 Channel in NR Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.0, 462000	7.23	1.64	40.6	22.5	21.2

Hardware Setup

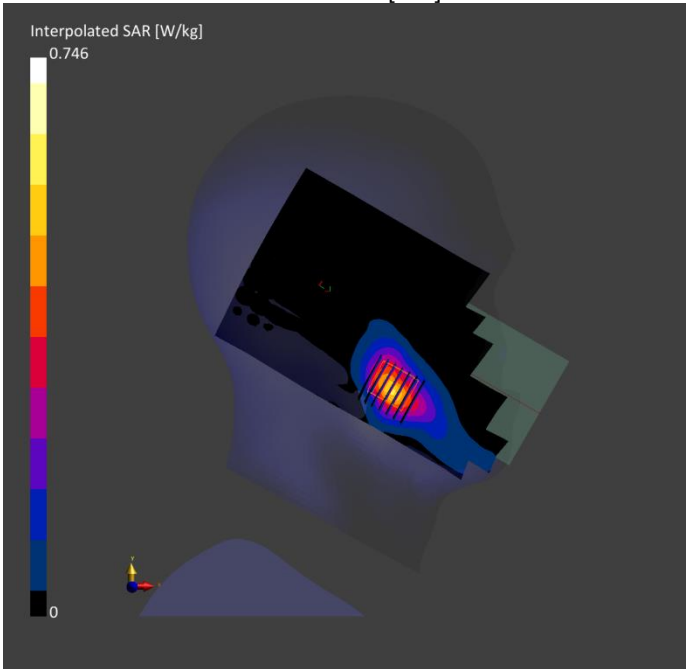
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-13	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/kg]	0.439	0.462
psSAR10g [W/kg]	0.223	0.262
Power Drift [dB]	0.12	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.5
Dist 3dB Peak [mm]		9.8



Meas.68 Body Plane with Front Side 10mm on 462000 Channel in NR Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.0, 462000	7.23	1.64	40.6	22.5	21.2

Hardware Setup

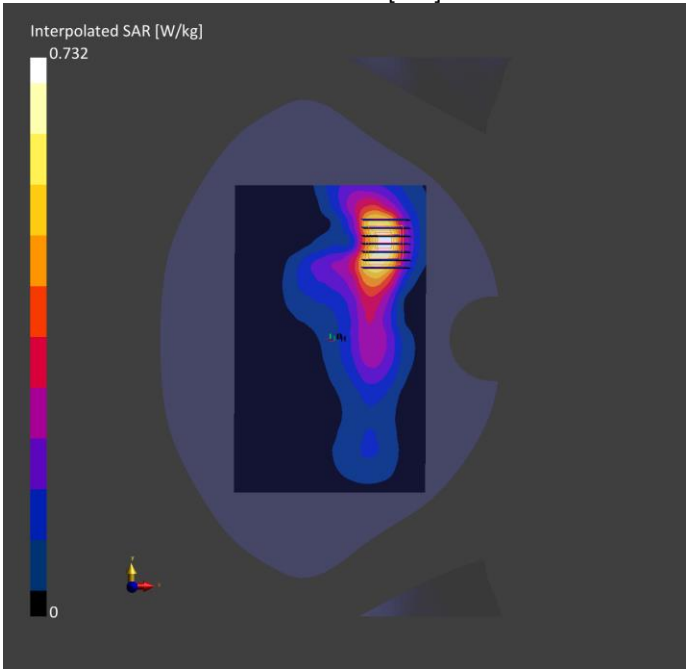
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-13	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/kg]	0.384	0.426
psSAR10g [W/kg]	0.208	0.237
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		11.0



Meas.69 Body Plane with Front Side 0mm on 462000 Channel in NR Band30 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.0, 462000	7.23	1.64	40.6	22.5	21.2

Hardware Setup

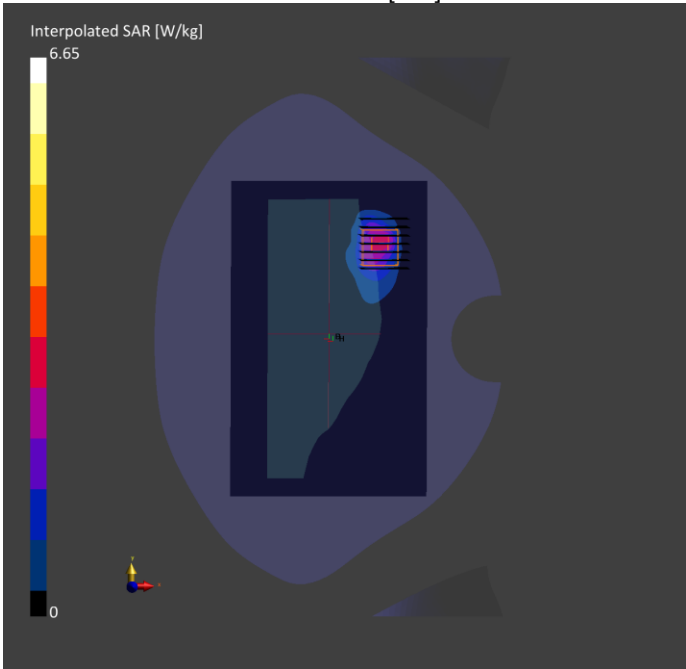
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-13	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-13	2025-08-13
psSAR1g [W/kg]	2.55	3.18
psSAR10g [W/kg]	1.23	1.38
Power Drift [dB]	-0.11	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		7.3



Meas.70 Left Head with Cheek on 349000 Channel in NR Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.0, 349000	8.72	1.37	40.3	22.6	21

Hardware Setup

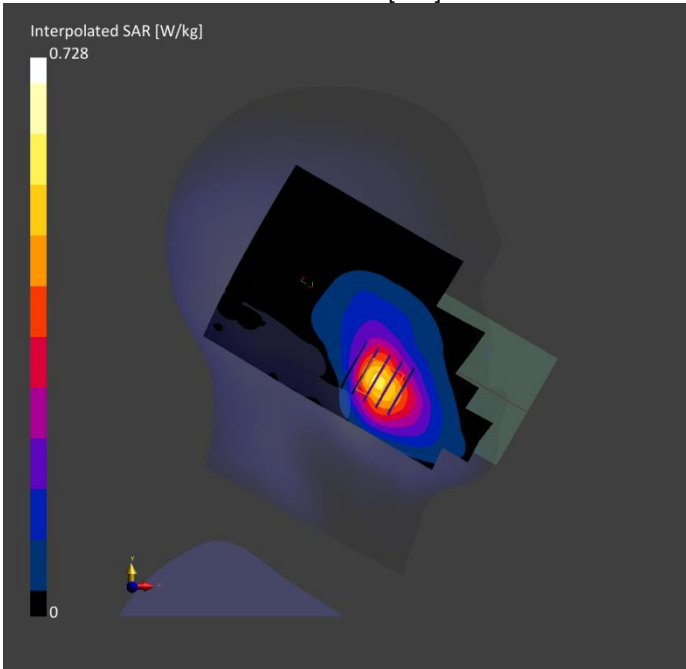
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-06	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-06	2025-09-06
psSAR1g [W/kg]	0.467	0.514
psSAR10g [W/kg]	0.275	0.335
Power Drift [dB]	0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.5
Dist 3dB Peak [mm]		11.9



Meas.71 Body Plane with Front Side 10mm on 349000 Channel in NR Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.0, 349000	8.72	1.37	40.3	22.6	21

Hardware Setup

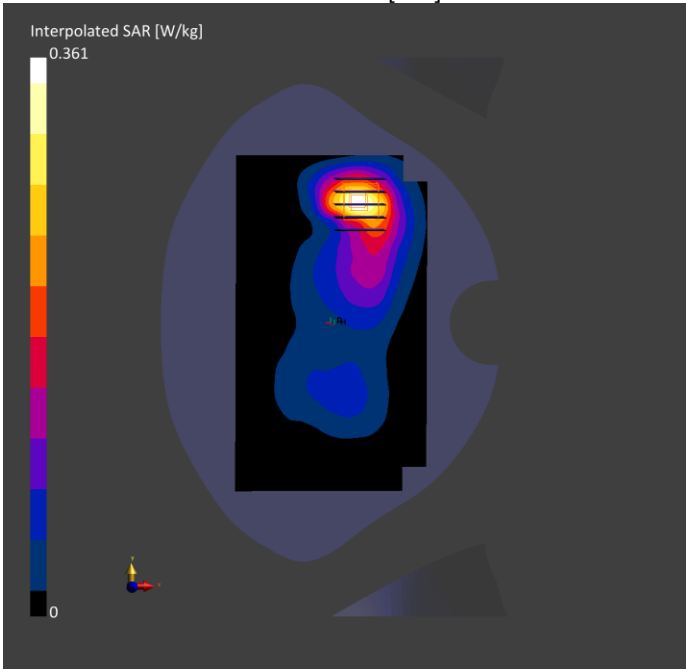
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-06	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-06	2025-09-06
psSAR1g [W/kg]	0.209	0.214
psSAR10g [W/kg]	0.117	0.117
Power Drift [dB]	-0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.0
Dist 3dB Peak [mm]		10.7



Meas.72 Body Plane with Front Side 0mm on 349000 Channel in NR Band66 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n66	5G NR FR1 FDD, 10931-AAC	1745.0, 349000	8.72	1.37	40.3	22.6	21

Hardware Setup

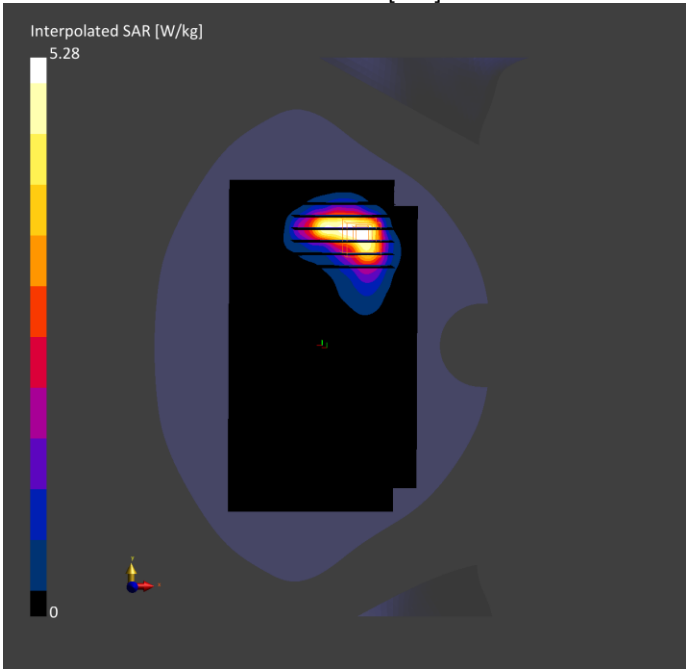
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-06	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-06	2025-09-06
psSAR1g [W/kg]	2.35	2.34
psSAR10g [W/kg]	1.31	1.19
Power Drift [dB]	0.06	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.5
Dist 3dB Peak [mm]		6.6



Meas.73 Left Head with Cheek on 136100 Channel in NR Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.5, 136100	8.92	0.911	43.5	22.1	21.3

Hardware Setup

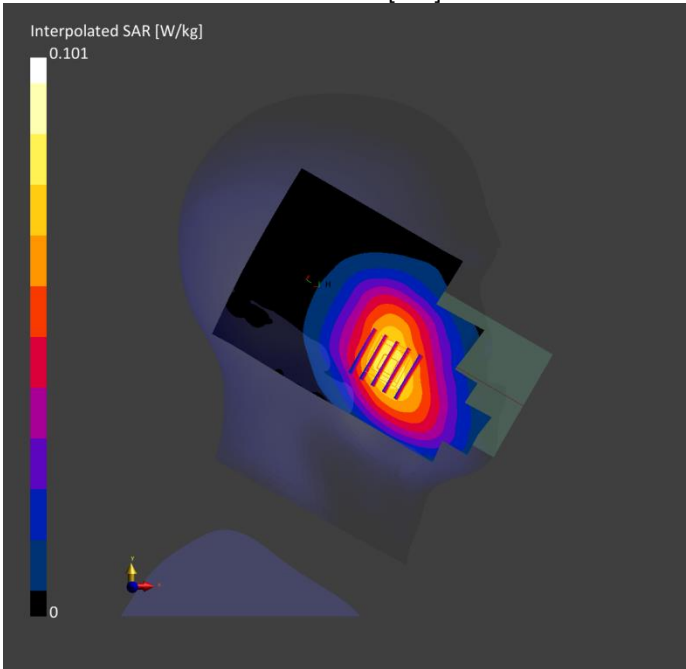
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	0.073	0.078
psSAR10g [W/kg]	0.051	0.061
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.0
Dist 3dB Peak [mm]		> 16.0



Meas.74 Body Plane with Front Side 10mm on 136100 Channel in NR Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.5, 136100	8.92	0.911	43.5	22.1	21.3

Hardware Setup

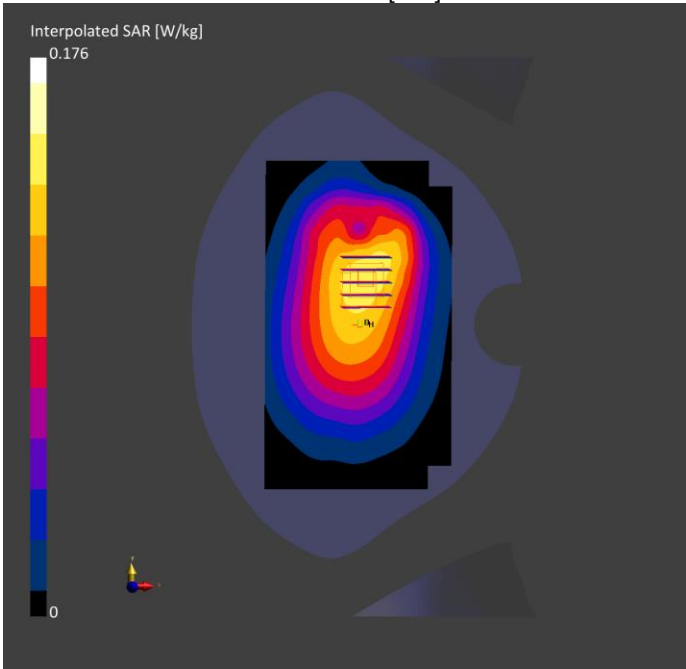
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	0.129	0.132
psSAR10g [W/kg]	0.092	0.103
Power Drift [dB]	0.01	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.6
Dist 3dB Peak [mm]		> 16.0



Meas.75 Body Plane with Front Side 0mm on 136100 Channel in NR Band71 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n71	5G NR FR1 FDD, 10931-AAC	680.5, 136100	8.92	0.911	43.5	22.1	21.3

Hardware Setup

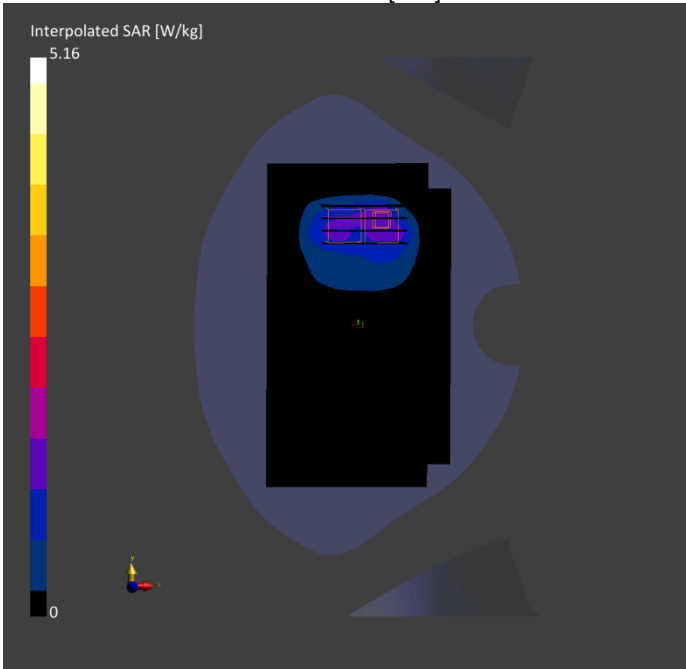
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-12	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

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	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-12	2025-07-12
psSAR1g [W/kg]	1.45	1.97
psSAR10g [W/kg]	0.947	0.979
Power Drift [dB]	-0.08	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		6.4



Meas.76 Left Head with Cheek on 519000 Channel in NR Band38 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band n38	5G NR FR1 TDD, 10797-AAF	2595.0, 519000	7.64	1.96	38.6	22.9	21.1

Hardware Setup

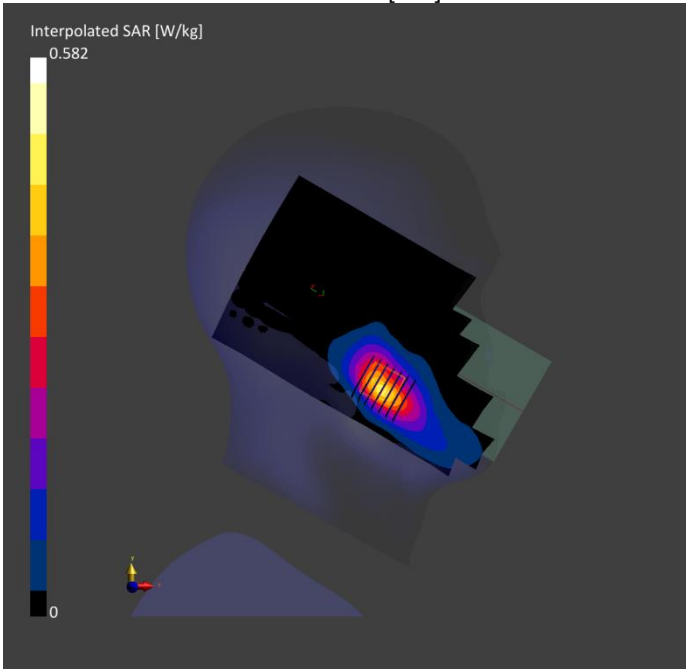
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-12	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-12	2025-09-12
psSAR1g [W/kg]	0.353	0.349
psSAR10g [W/kg]	0.176	0.196
Power Drift [dB]	-0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.5
Dist 3dB Peak [mm]		9.5



Meas.77 Body Plane with Front Side 10mm on 519000 Channel in NR Band38 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	Band n38	5G NR FR1 TDD, 10797-AAF	2595.0, 519000	7.64	1.96	38.6	22.9	21.1

Hardware Setup

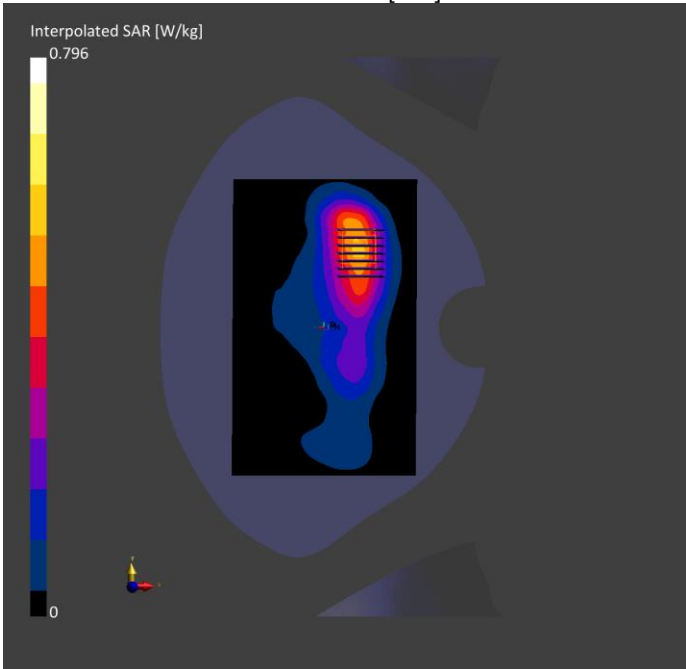
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-12	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-12	2025-09-12
psSAR1g [W/kg]	0.450	0.472
psSAR10g [W/kg]	0.244	0.266
Power Drift [dB]	-0.04	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.8
Dist 3dB Peak [mm]		15.0



Meas.78 Body Plane with Front Side 0mm on 519000 Channel in NR Band38 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	Band n38	5G NR FR1 TDD, 10797-AAF	2595.0, 519000	7.64	1.96	38.6	22.9	21.1

Hardware Setup

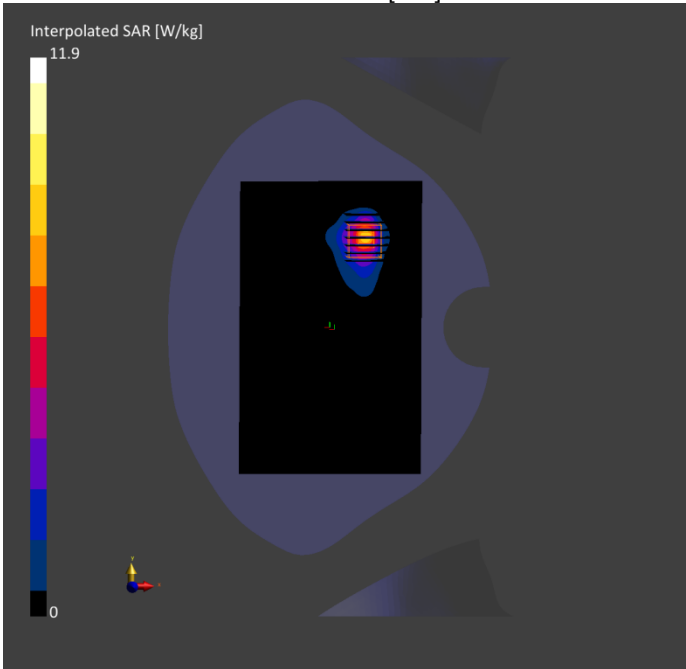
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-12	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-12	2025-09-12
psSAR1g [W/kg]	2.45	2.48
psSAR10g [W/kg]	0.74	0.968
Power Drift [dB]	-0.12	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.6
Dist 3dB Peak [mm]		6.1



Meas.79 Right Head with Cheek on 518598 Channel in NR Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10803-AAF	2592.99, 518598	7.06	1.96	38.5	22.6	21.3

Hardware Setup

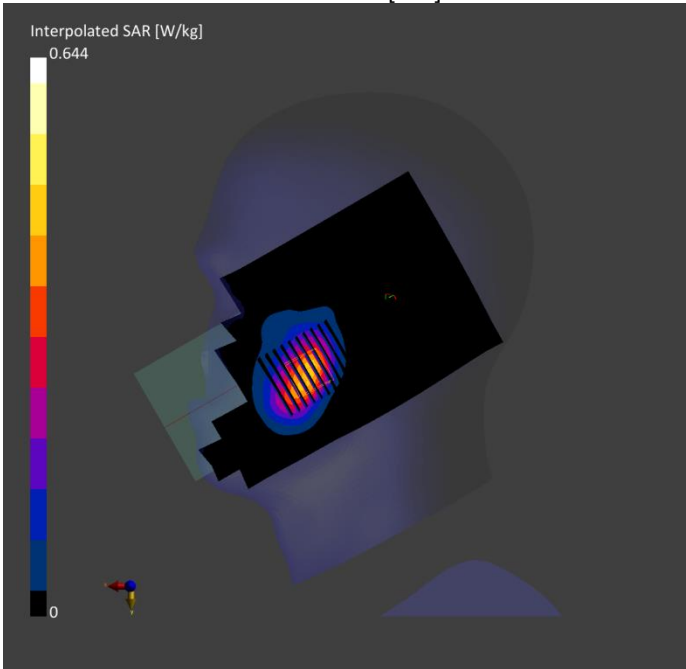
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-17	2025-08-17
psSAR1g [W/kg]	0.364	0.373
psSAR10g [W/kg]	0.192	0.200
Power Drift [dB]	-0.09	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		9.5



Meas.80 Body Plane with Left Edge 10mm on 518598 Channel in NR Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 10.00	Band n41	5G NR FR1 TDD, 10803-AAF	2592.99, 518598	7.06	1.96	38.5	22.6	21.3

Hardware Setup

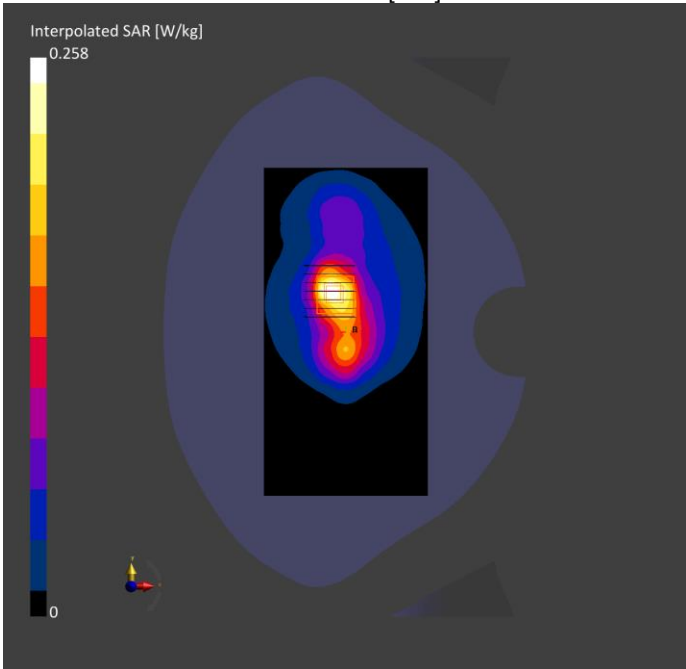
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-17	2025-08-17
psSAR1g [W/kg]	0.126	0.134
psSAR10g [W/kg]	0.063	0.065
Power Drift [dB]	-0.04	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		10.2



Meas.81 Body Plane with Left Edge 0mm on 518598 Channel in NR Band41 mode with Antenna 3

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 0.00	Band n41	5G NR FR1 TDD, 10803-AAF	2592.99, 518598	7.06	1.96	38.5	22.6	21.3

Hardware Setup

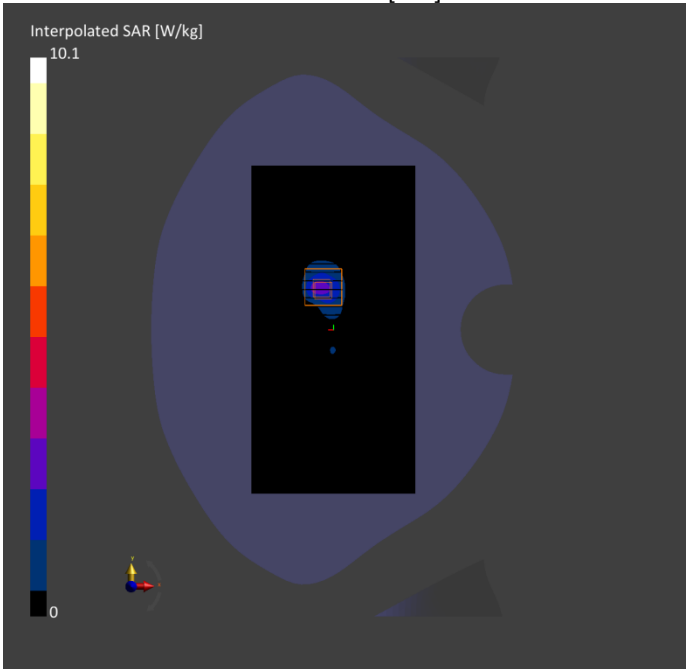
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-17	2025-08-17
psSAR1g [W/kg]	2.24	3.55
psSAR10g [W/kg]	0.942	1.15
Power Drift [dB]	-0.02	-0.11
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		4.0



Meas.82 Right Head with Cheek on 633334 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.01, 633334	7.02	2.88	38.0	22.6	21.4

Hardware Setup

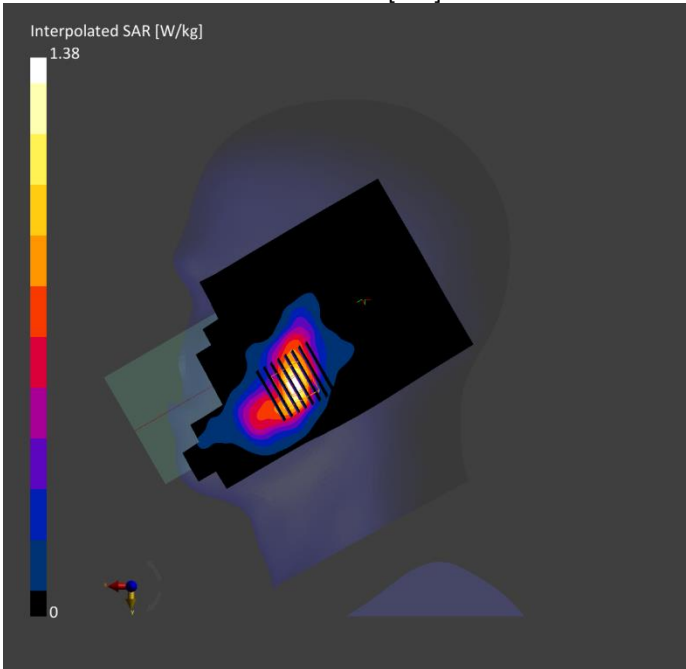
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-13	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	25.0 x 25.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-13	2025-09-13
psSAR1g [W/kg]	0.687	0.680
psSAR10g [W/kg]	0.300	0.304
Power Drift [dB]	-0.07	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		8.4



Meas.83 Body Plane with Back Side 10mm on 633334 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10803-AAF	3500.01, 633334	7.02	2.88	38.0	22.6	21.4

Hardware Setup

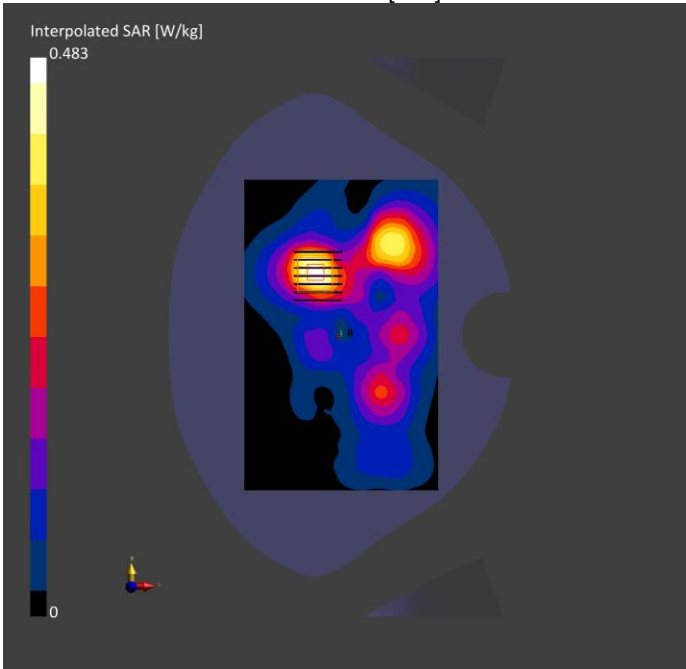
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-13	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-13	2025-09-13
psSAR1g [W/kg]	0.223	0.225
psSAR10g [W/kg]	0.105	0.104
Power Drift [dB]	-0.09	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		12.5



Meas.84 Body Plane with Left Edge 0mm on 633334 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 0.00	Band n77	5G NR FR1 TDD, 10917-AAD	3500.01, 633334	7.02	2.88	38.0	22.6	21.4

Hardware Setup

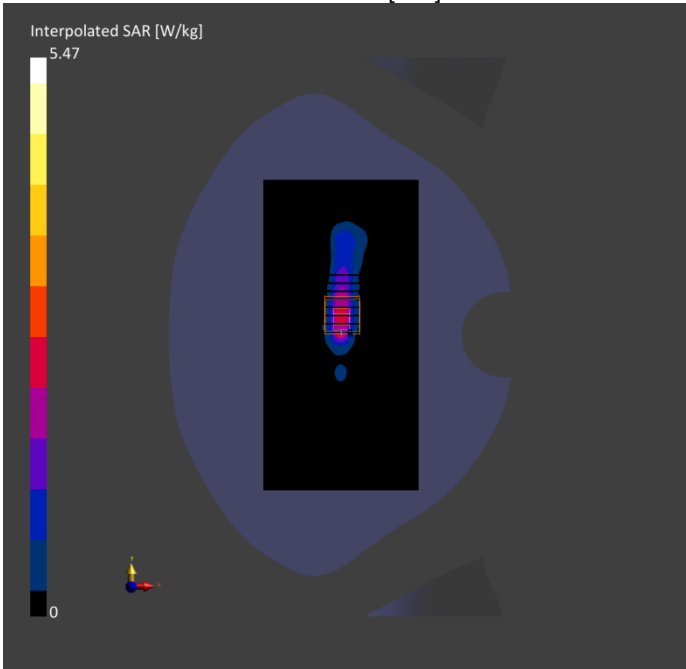
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-13	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-13	2025-09-13
psSAR1g [W/kg]	1.87	1.98
psSAR10g [W/kg]	0.686	0.658
Power Drift [dB]	-0.09	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.2
Dist 3dB Peak [mm]		5.8



Meas.85 Right Head with Cheek on 656000 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3840.0, 656000	6.75	3.27	37.5	22.5	21.4

Hardware Setup

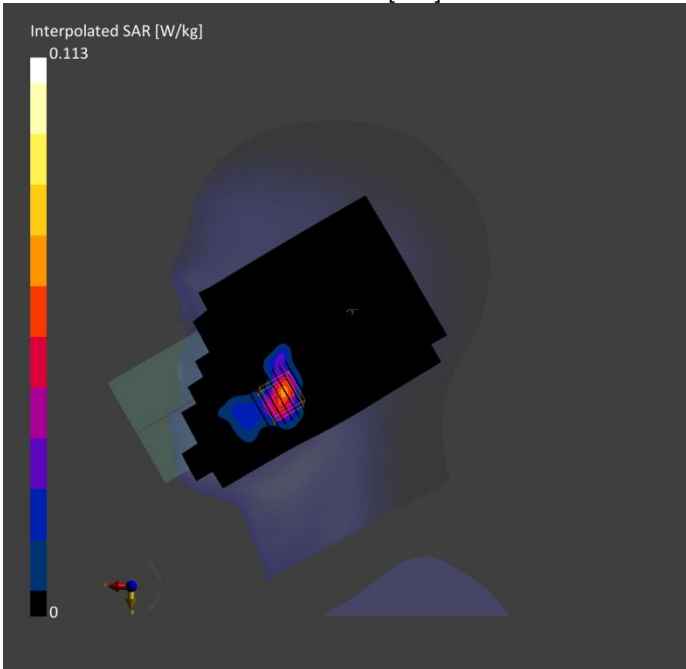
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-17	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-17	2025-09-17
psSAR1g [W/kg]	0.042	0.037
psSAR10g [W/kg]	0.017	0.01
Power Drift [dB]	-0.02	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.7
Dist 3dB Peak [mm]		> 15.0



Meas.86 Body Plane with Back Side 10mm on 656000 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n77	5G NR FR1 TDD, 10866-AAF	3840.0, 656000	6.75	3.27	37.5	22.5	21.4

Hardware Setup

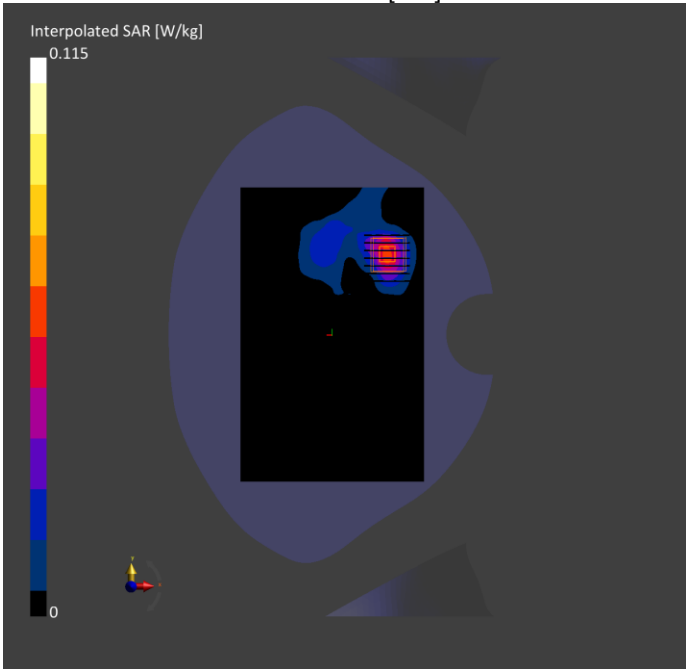
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-17	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-17	2025-09-17
psSAR1g [W/kg]	0.046	0.044
psSAR10g [W/kg]	0.019	0.016
Power Drift [dB]	-0.04	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.7
Dist 3dB Peak [mm]		> 15.0



Meas.87 Body Plane with Left Edge 0mm on 656000 Channel in NR Band77 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3840.0, 656000	6.75	3.27	37.5	22.5	21.4

Hardware Setup

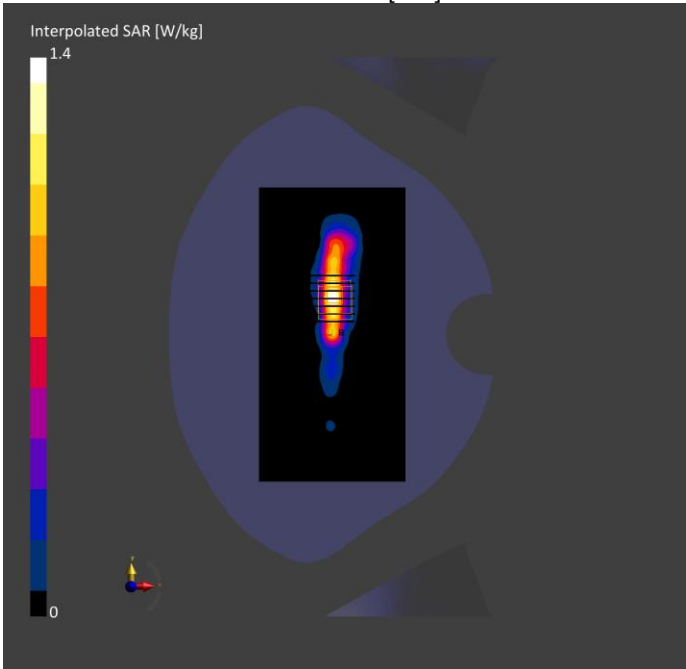
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-17	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-17	2025-09-17
psSAR1g [W/kg]	0.406	0.409
psSAR10g [W/kg]	0.145	0.135
Power Drift [dB]	0.15	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.3
Dist 3dB Peak [mm]		5.0



Meas.88 Right Head with Cheek on 633334 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n78	5G NR FR1 TDD, 10917-AAD	3500.01, 633334	7.02	2.88	38.4	22.7	21.5

Hardware Setup

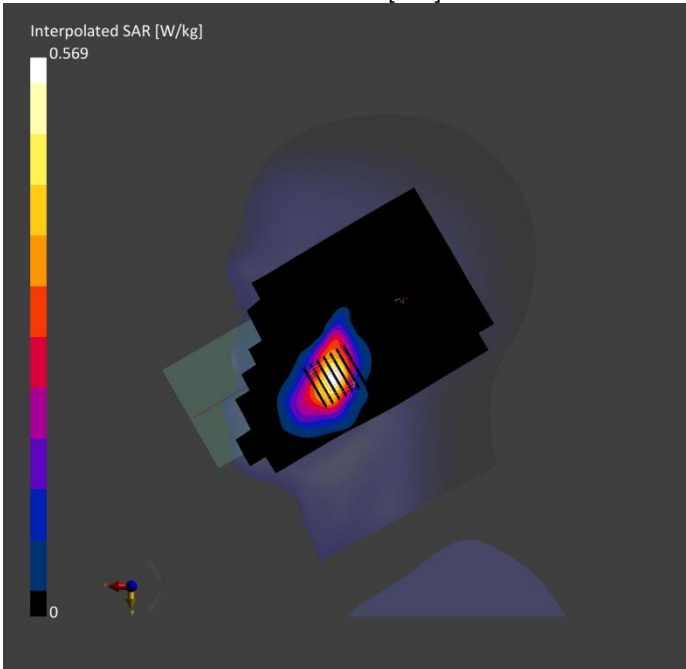
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-14	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-14	2025-09-14
psSAR1g [W/kg]	0.248	0.261
psSAR10g [W/kg]	0.111	0.116
Power Drift [dB]	0.11	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		9.9



Meas.89 Body Plane with Left Edge 10mm on 633334 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 10.00	Band n78	5G NR FR1 TDD, 10917-AAD	3500.01, 633334	7.02	2.88	38.4	22.7	21.5

Hardware Setup

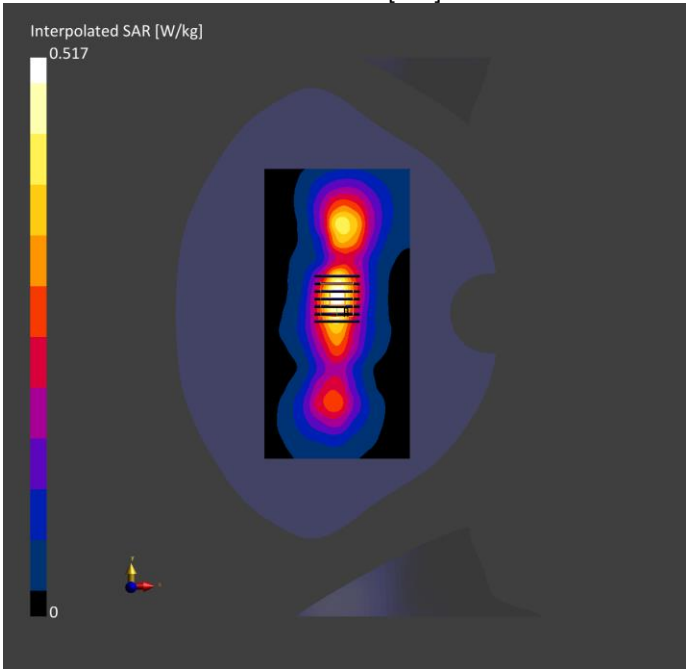
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-14	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-14	2025-09-14
psSAR1g [W/kg]	0.227	0.230
psSAR10g [W/kg]	0.105	0.107
Power Drift [dB]	0.04	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		13.0



Meas.90 Body Plane with Left Edge 0mm on 633334 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 0.00	Band n78	5G NR FR1 TDD, 10917-AAD	3500.01, 633334	7.02	2.88	38.4	22.7	21.5

Hardware Setup

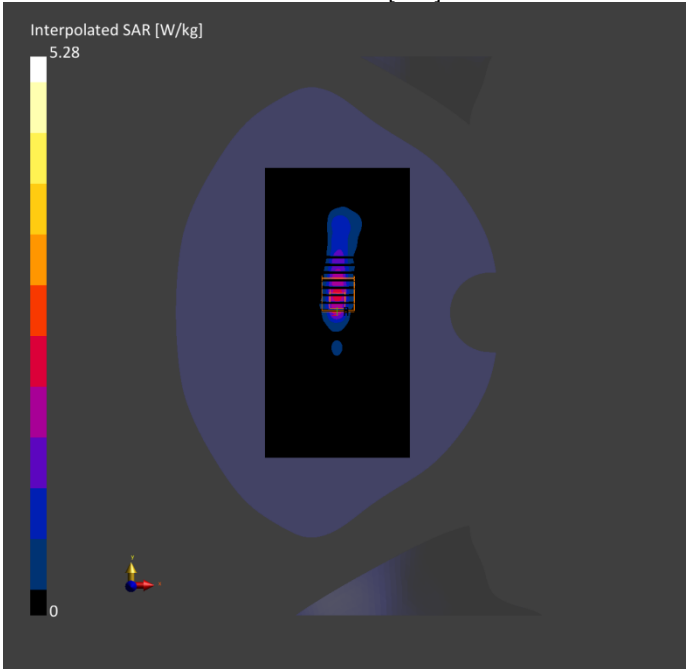
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-14	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-14	2025-09-14
psSAR1g [W/kg]	1.74	1.91
psSAR10g [W/kg]	0.642	0.637
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.5
Dist 3dB Peak [mm]		5.8



Meas.91 Right Head with Cheek on 650000 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	Band n78	5G NR FR1 TDD, 10803-AAF	3750.0, 650000	6.85	3.19	37.4	22.7	21.6

Hardware Setup

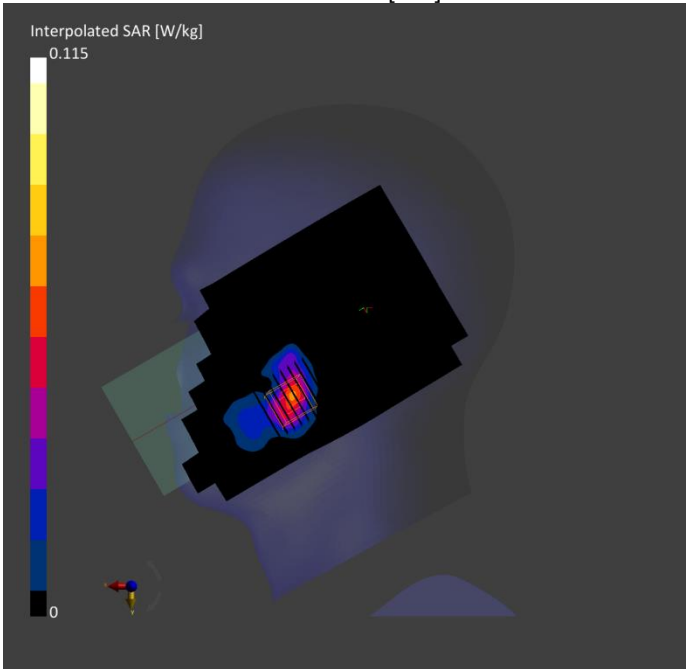
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-16	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-16	2025-09-16
psSAR1g [W/kg]	0.048	0.038
psSAR10g [W/kg]	0.020	0.011
Power Drift [dB]	-0.03	-0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		> 15.0



Meas.92 Body Plane with Back Side 10mm on 650000 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	Band n78	5G NR FR1 TDD, 10803-AAF	3750.0, 650000	6.85	3.19	37.4	22.7	21.6

Hardware Setup

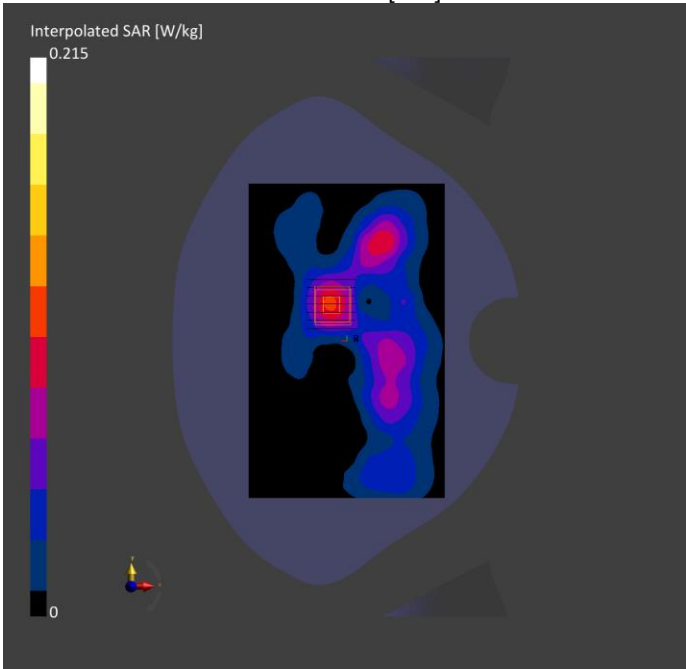
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-16	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-16	2025-09-16
psSAR1g [W/kg]	0.087	0.093
psSAR10g [W/kg]	0.040	0.041
Power Drift [dB]	0.11	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		13.0



Meas.93 Body Plane with Left Edge 0mm on 650000 Channel in NR Band78 mode with Antenna 1

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	EDGE LEFT, 0.00	Band n78	5G NR FR1 TDD, 10866-AAF	3750.0, 650000	6.85	3.19	37.4	22.7	21.6

Hardware Setup

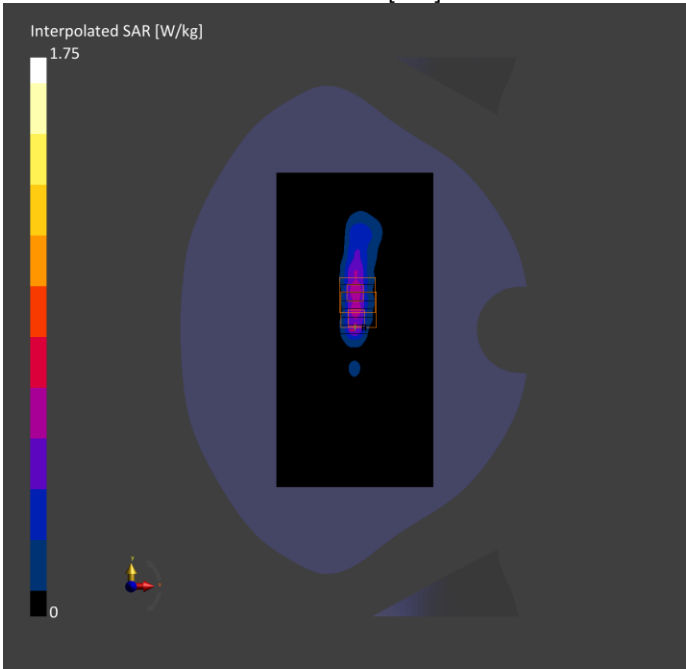
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-09-16	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 192.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-16	2025-09-16
psSAR1g [W/kg]	0.474	0.494
psSAR10g [W/kg]	0.176	0.169
Power Drift [dB]	0.04	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.6
Dist 3dB Peak [mm]		5.0



Meas.94 Right Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	WLAN 2.4GH z	WLAN, 10012-CAB	2437.0, 6	6.98	1.78	39.5	22.8	21.3

Hardware Setup

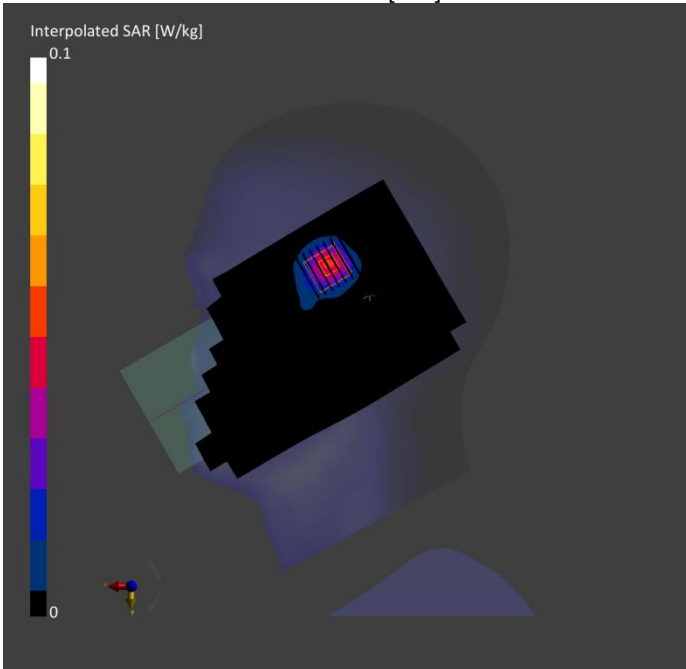
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/kg]	0.040	0.040
psSAR10g [W/kg]	0.020	0.017
Power Drift [dB]	-0.18	0.1
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.1
Dist 3dB Peak [mm]		> 15.0



Meas.95 Body Plane with Front Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	WLAN 2.4GH Z	WLAN, 10415-AAA	2437.0, 6	6.98	1.78	39.5	22.8	21.3

Hardware Setup

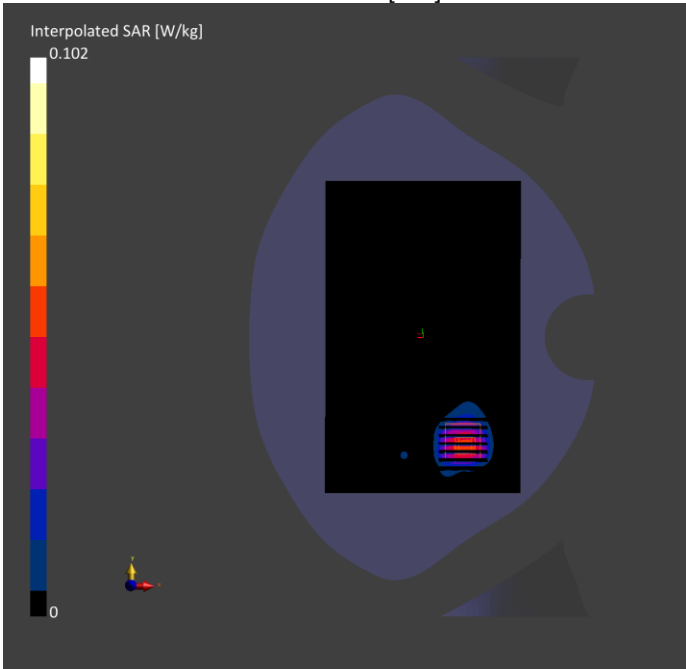
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/kg]	0.044	0.045
psSAR10g [W/kg]	0.022	0.020
Power Drift [dB]	-0.09	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.6
Dist 3dB Peak [mm]		> 15.0



Meas.96 Body Plane with Front Side 0mm on 6 Channel in IEEE802.11b mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	WLAN 2.4GH Z	WLAN, 10012-CAB	2437.0, 6	6.98	1.78	39.5	22.8	21.3

Hardware Setup

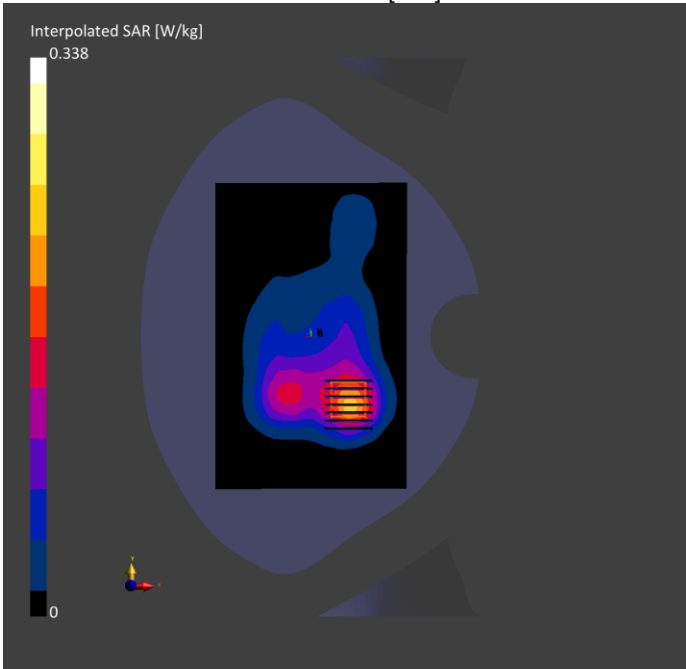
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/kg]	0.193	0.201
psSAR10g [W/kg]	0.103	0.112
Power Drift [dB]	-0.01	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		14.2



Meas.97 Right Head with Cheek on 52 Channel in IEEE802.11a mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5260.0, 52	5.44	4.72	36.7	22.6	21.3

Hardware Setup

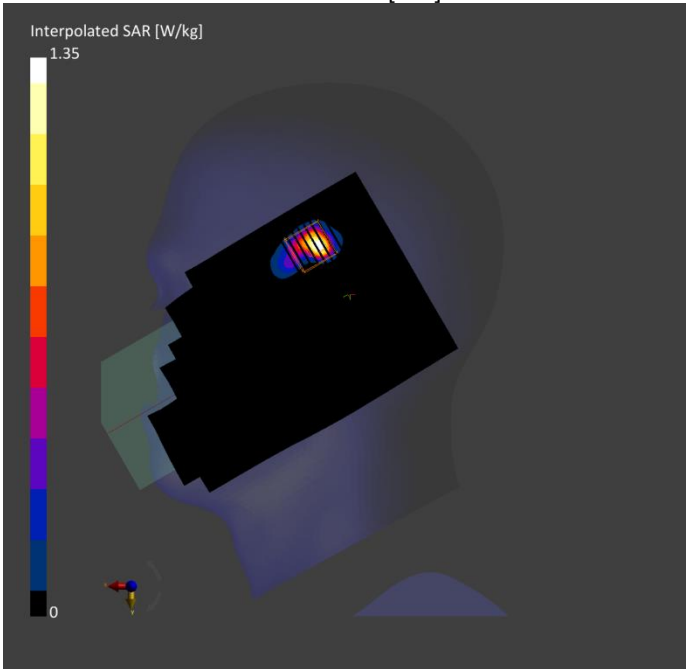
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-19	2025-08-19
psSAR1g [W/kg]	0.238	0.295
psSAR10g [W/kg]	0.067	0.069
Power Drift [dB]	-0.12	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		4.7



Meas.98 Right Head with Cheek on 140 Channel in IEEE802.11a mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5700.0, 140	4.98	5.21	35.1	22.4	21.7

Hardware Setup

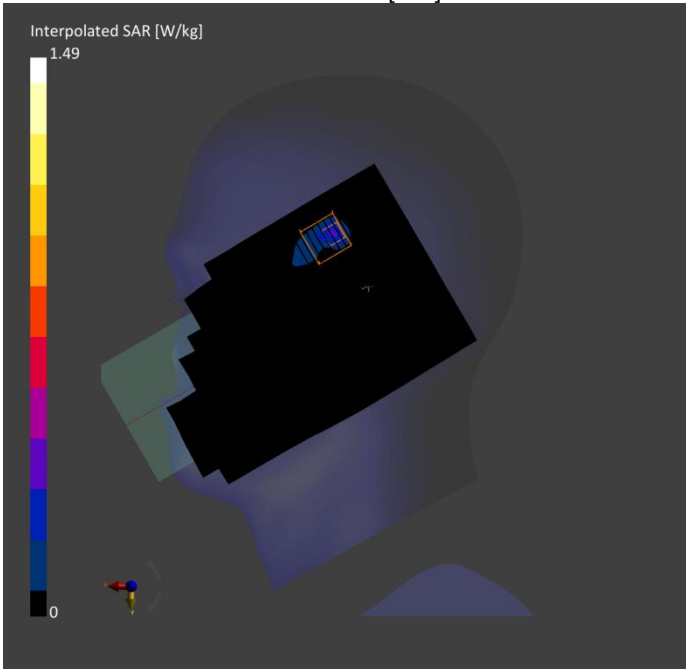
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-21	2025-08-21
psSAR1g [W/kg]	0.254	0.323
psSAR10g [W/kg]	0.077	0.082
Power Drift [dB]	0.11	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.8
Dist 3dB Peak [mm]		5.1



Meas.99 Right Head with Cheek on 157 Channel in IEEE802.11a mode with Antenna 5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5785.0, 157	4.98	5.25	35.2	22.2	21.3

Hardware Setup

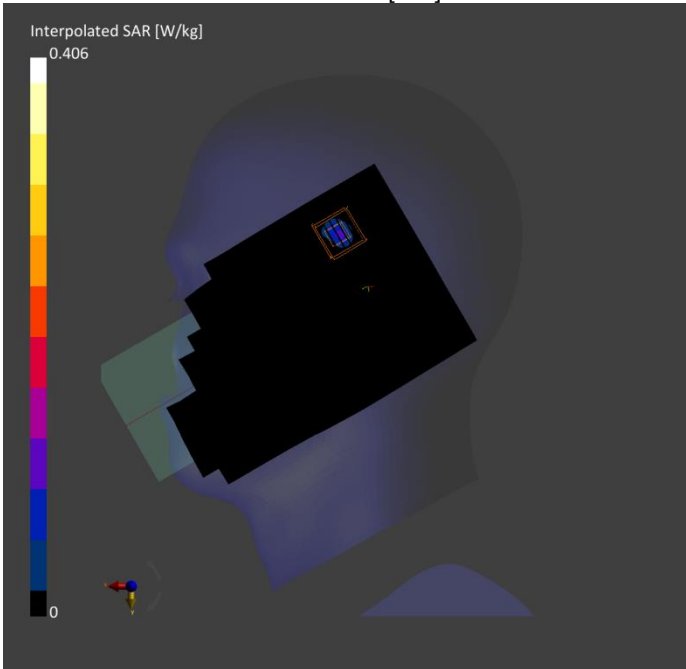
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-23	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-23	2025-08-23
psSAR1g [W/kg]	0.066	0.077
psSAR10g [W/kg]	0.015	0.013
Power Drift [dB]	0.07	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.6
Dist 3dB Peak [mm]		5.4



Meas.100 Body Plane with Back Side 10mm on 64 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10062-CAD	5320.0, 64	5.44	4.85	34.9	22.6	21.3

Hardware Setup

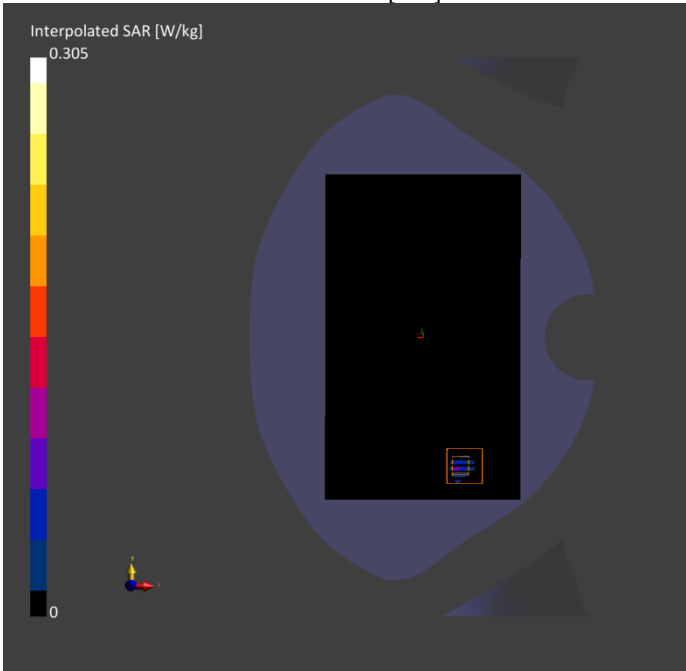
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-19	2025-08-19
psSAR1g [W/kg]	0.046	0.048
psSAR10g [W/kg]	0.01	0.008
Power Drift [dB]	-0.18	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		6.3



Meas.101 Body Plane with Back Side 10mm on 116 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10417-AAC	5580.0, 116	4.91	5.02	35.5	22.4	21.7

Hardware Setup

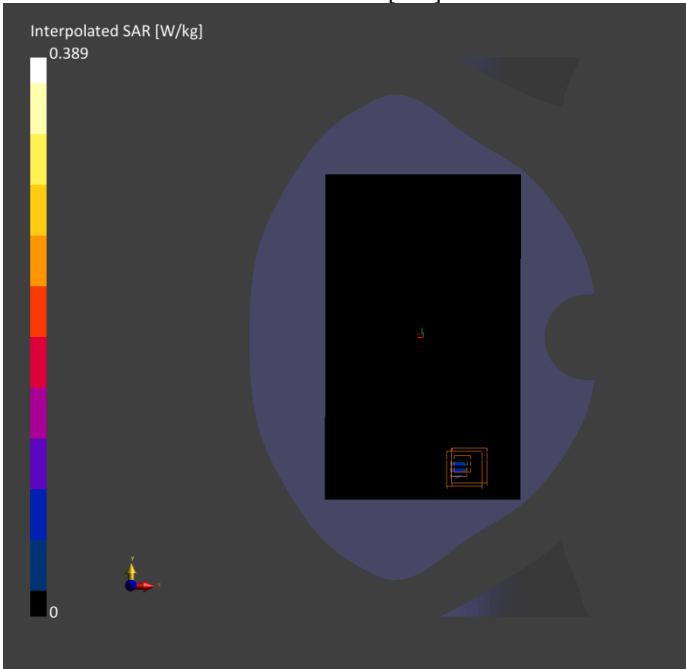
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-21	2025-08-21
psSAR1g [W/kg]	0.044	0.055
psSAR10g [W/kg]	0.007	0.007
Power Drift [dB]	-0.11	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.6
Dist 3dB Peak [mm]		6.1



Meas.102 Body Plane with Back Side 10mm on 44 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10417-AAC	5220.0, 44	5.44	4.64	36.2	22.6	21.3

Hardware Setup

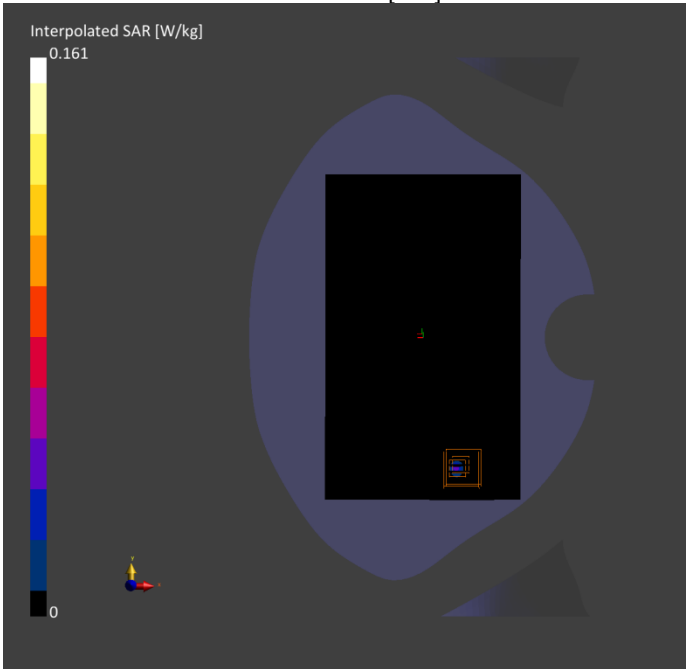
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-19	2025-08-19
psSAR1g [W/kg]	0.016	0.023
psSAR10g [W/kg]	0.001	0.002
Power Drift [dB]	-0.09	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		> 12.0



Meas.103 Body Plane with Back Side 10mm on 157 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 10.00	WLAN 5GHz	WLAN, 10417-AAC	5785.0, 157	4.98	5.25	35.2	22.2	21.3

Hardware Setup

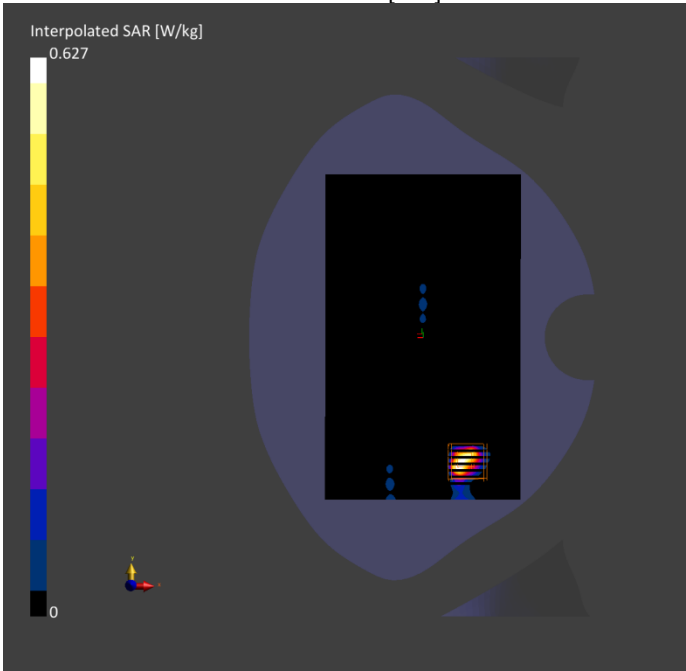
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-23	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-23	2025-08-23
psSAR1g [W/kg]	0.080	0.097
psSAR10g [W/kg]	0.021	0.016
Power Drift [dB]	-0.00	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.6
Dist 3dB Peak [mm]		5.8



Meas.104 Body Plane with Back Side 0mm on 64 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5320.0, 64	5.44	4.85	34.9	22.6	21.3

Hardware Setup

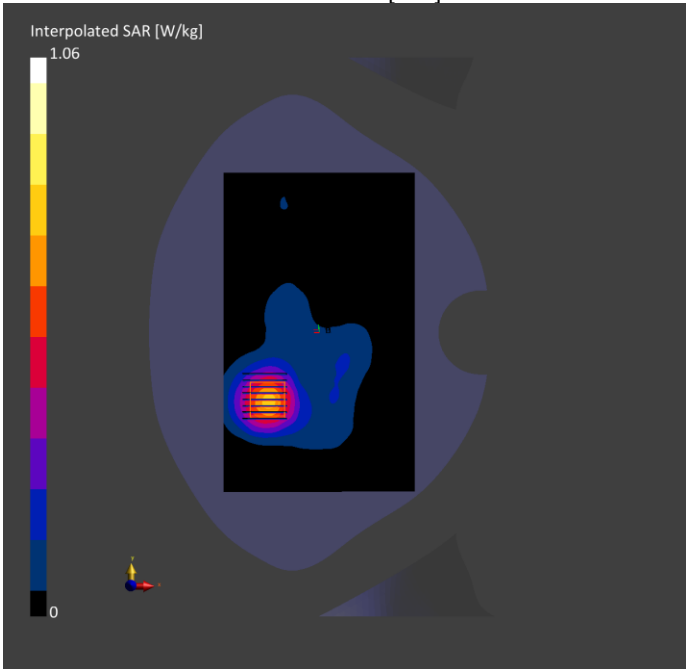
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-19	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-19	2025-08-19
psSAR1g [W/kg]	0.558	0.625
psSAR10g [W/kg]	0.234	0.351
Power Drift [dB]	-0.04	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		13.6



Meas.105 Body Plane with Back Side 0mm on 116 Channel in IEEE802.11a mode with Antenna 6

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5580.0, 116	4.91	5.02	35.5	22.4	21.7

Hardware Setup

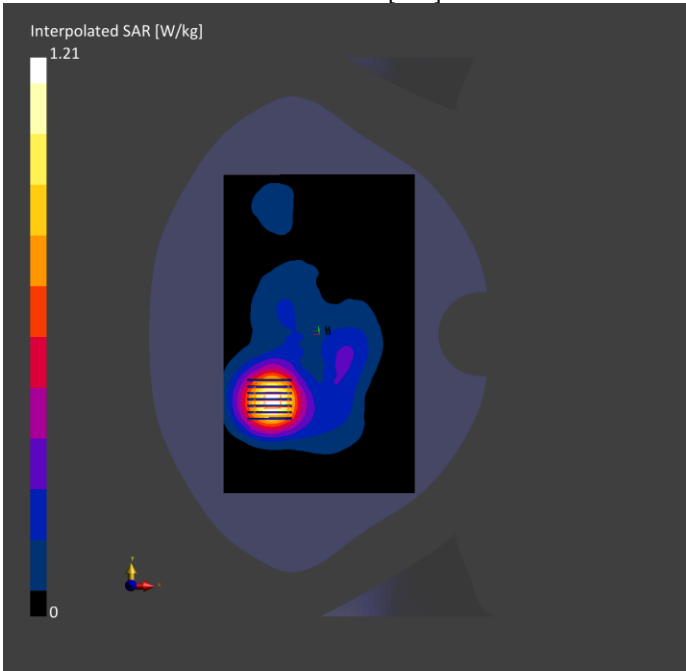
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-21	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-21	2025-08-21
psSAR1g [W/kg]	0.632	0.697
psSAR10g [W/kg]	0.261	0.390
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.6
Dist 3dB Peak [mm]		13.6



Meas.106 Right Head with Cheek on 39 Channel in Bluetooth mode with Antenna 2

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
RightHead , HSL	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	6.98	1.79	39.5	22.8	21.3

Hardware Setup

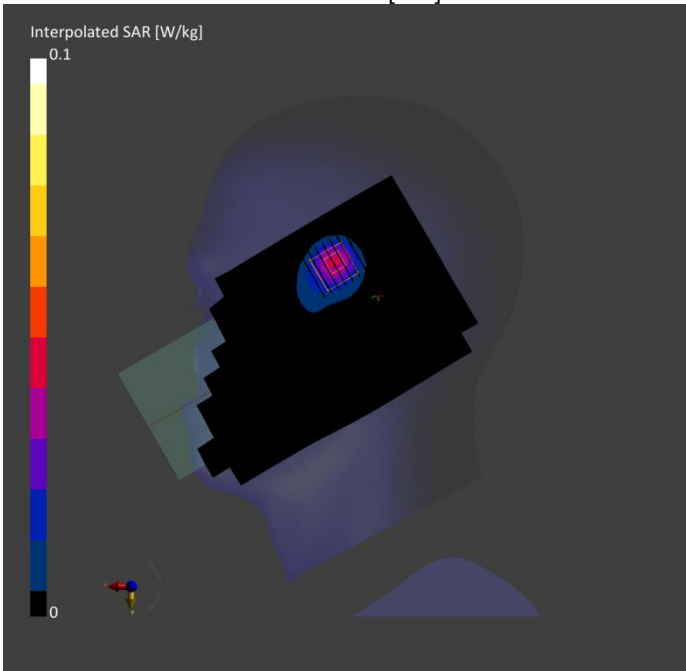
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/kg]	0.034	0.033
psSAR10g [W/kg]	0.017	0.015
Power Drift [dB]	-0.09	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		> 15.0



Meas.107 Body Plane with Front Side 10mm on 39 Channel in Bluetooth mode with Antenna 2

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 10.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	6.98	1.79	39.5	22.8	21.3

Hardware Setup

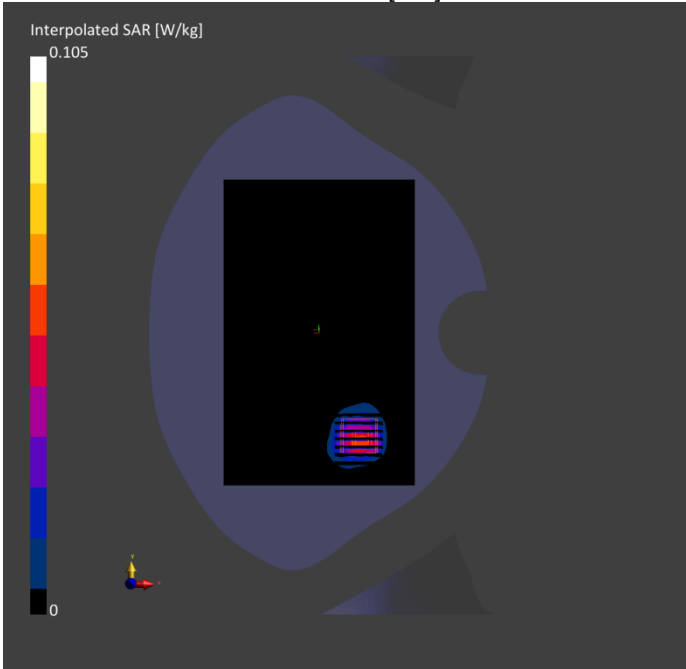
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface	VMS + 6p	VMS + 6p
Detection		
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-14	2025-08-14
psSAR1g [W/kg]	0.045	0.045
psSAR10g [W/kg]	0.022	0.019
Power Drift [dB]	-0.06	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.4
Dist 3dB Peak [mm]		> 15.0



Meas.108 Body Plane with Front Side 0mm on 39 Channel in Bluetooth mode with Antenna 2

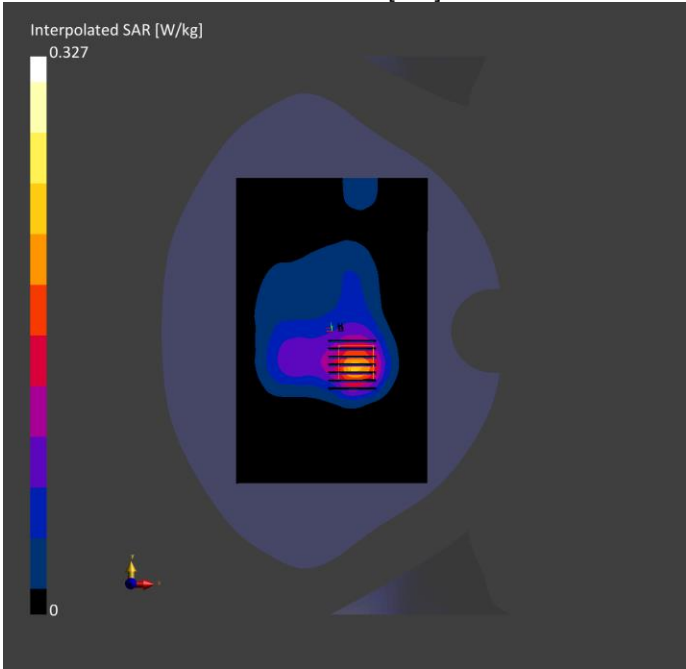
Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	FRONT, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	6.98	1.79	39.5	22.8	21.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-08-14	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup			Measurement Results		
	Area Scan	Zoom Scan		Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 192.0	30.0 x 30.0 x 30.0	Date	2025-08-14	2025-08-14
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0	psSAR1g [W/kg]	0.181	0.191
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/kg]	0.094	0.103
Graded Grid	Yes	Yes	Power Drift [dB]	-0.04	0.02
Grading Ratio	1.5	1.5	Power Scaling	Disabled	Disabled
MAIA	Y	N/A	Scaling Factor [dB]		
Surface	VMS + 6p	VMS + 6p	TSL Correction	No correction	No correction
Detection			M2/M1 [%]		58.6
Scan Method	Measured	Measured	Dist 3dB Peak [mm]		12.2



Meas.109 Body Plane with Back Side 0mm on 902800 Channel in UHF mode with Antenna 4

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	BACK, 0.00	CUSTOM Band	CW, 0--	902.8, 902800	8.85	0.984	41.2	22.5	21.4

Hardware Setup

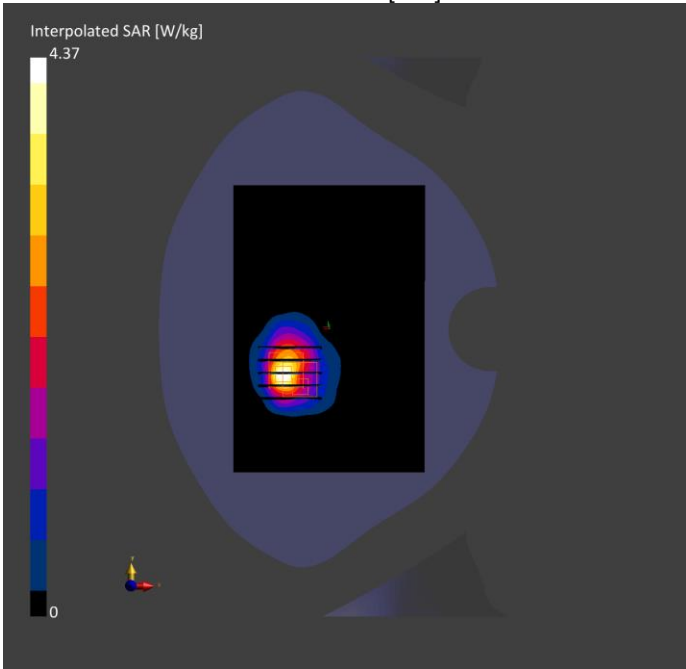
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-07-17	EX3DV4 - SN7893, 2024-09-05	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-17	2025-07-17
psSAR1g [W/kg]	3.37	1.83
psSAR10g [W/kg]	1.89	0.844
Power Drift [dB]	0.05	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		28.3
Dist 3dB Peak [mm]		6.4



Meas.110 Left Head with Cheek on Middle Channel in LTE Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
LeftHead, HSL	CHEEK, 0.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	8.35	1.39	40.0	22.5	21.3

Hardware Setup

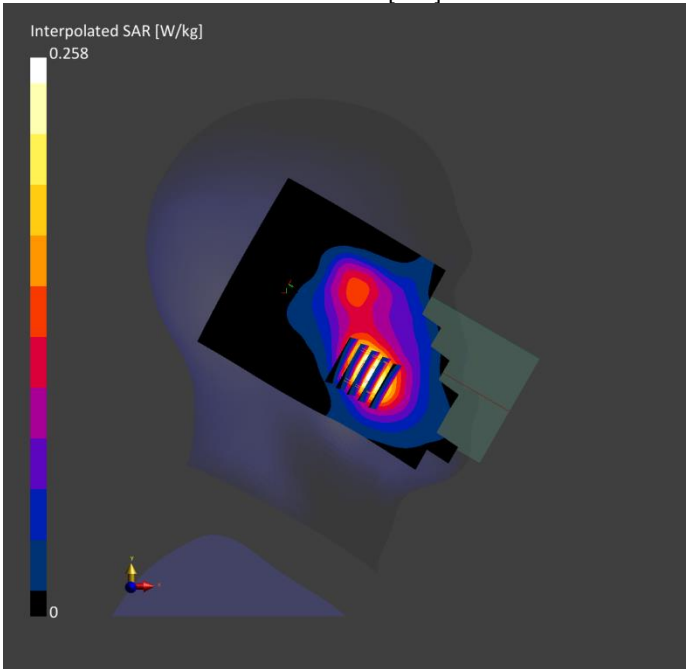
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-26	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-26	2025-11-26
psSAR1g [W/kg]	0.165	0.181
psSAR10g [W/kg]	0.095	0.114
Power Drift [dB]	0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		70.0
Dist 3dB Peak [mm]		12.6



Meas.111 Body Plane with Right Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	RIGHT, 10.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	8.35	1.39	40.0	22.5	21.3

Hardware Setup

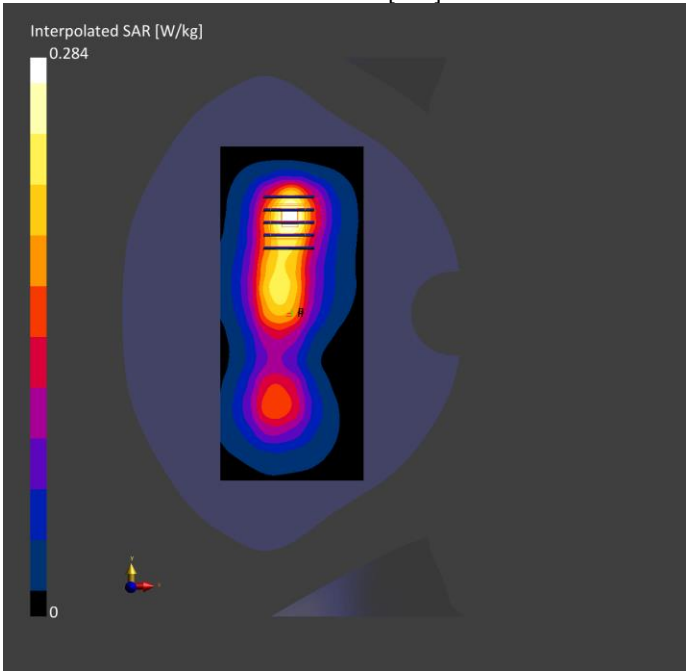
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-26	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-26	2025-11-26
psSAR1g [W/kg]	0.176	0.181
psSAR10g [W/kg]	0.102	0.109
Power Drift [dB]	0.00	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.6
Dist 3dB Peak [mm]		16.0



Meas.112 Body Plane with Right Edge 0mm on Middle Channel in LTE Band2 mode with Antenna 0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL	RIGHT, 0.00	Band 2	LTE-FDD, 10169-CAF	1880.0, 18900	8.35	1.39	40.0	22.5	21.3

Hardware Setup

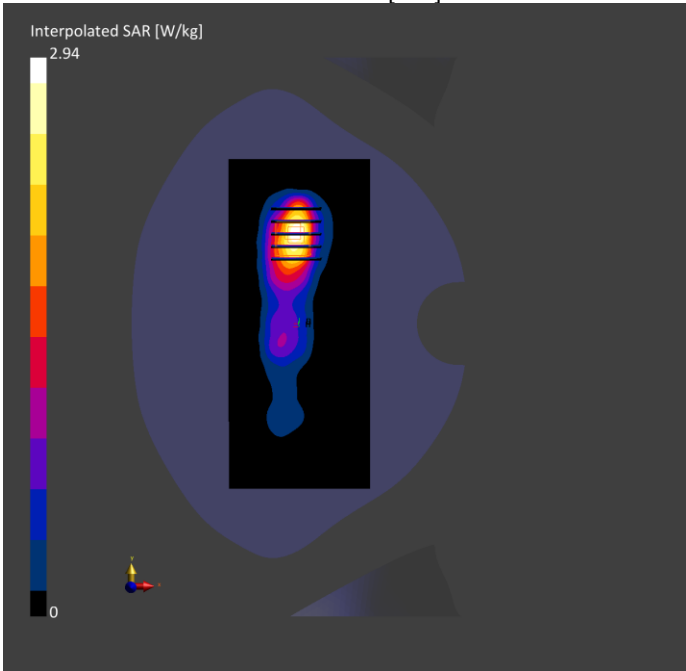
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1859	HBBL-600-10000 2025-11-26	EX3DV4 - SN7664, 2025-06-30	DAE4 Sn878, 2025-03-05

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-26	2025-11-26
psSAR1g [W/kg]	1.60	1.69
psSAR10g [W/kg]	0.862	0.924
Power Drift [dB]	-0.05	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		9.6



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