

Appendix B

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5G NR n66
5G NR n71
5G NR n77
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WIFI 6G
BT
NFC

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1852.400, 9262	7.7	1.41	40.4

Hardware Setup

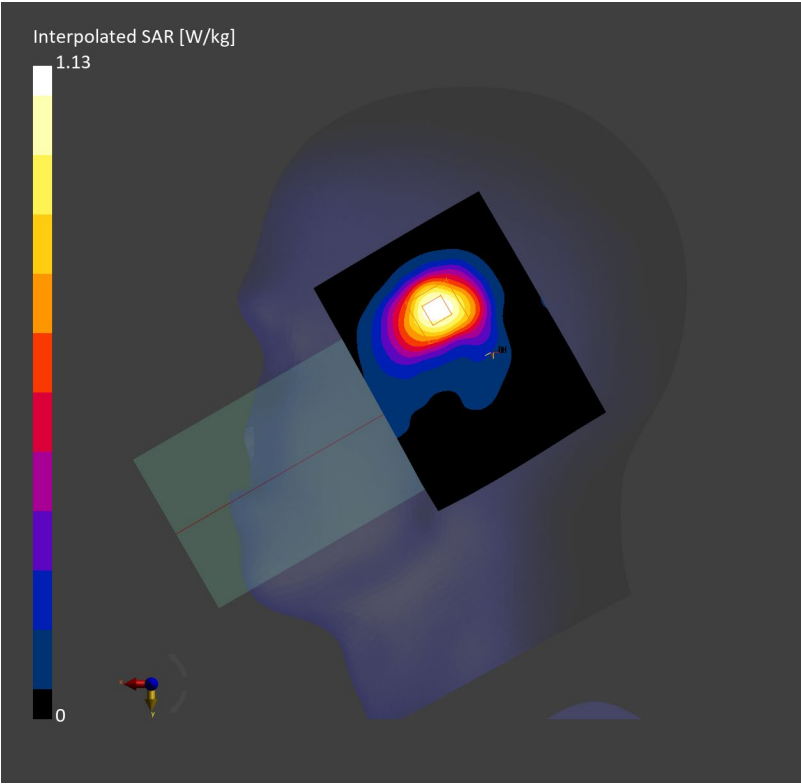
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1900	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-18, 18:31	2026-07-18, 18:35
psSAR1g [W/Kg]	0.911	1.04
psSAR10g [W/Kg]	0.514	0.526
Power Drift [dB]	-0.02	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		10.8



Device Under Test Properties

Model	Dimensions [mm]
Device	158.2 x 77.9 x 8.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 2	WCDMA, 10011-CAC	1907.600, 9538	7.7	1.41	40.4

Hardware Setup

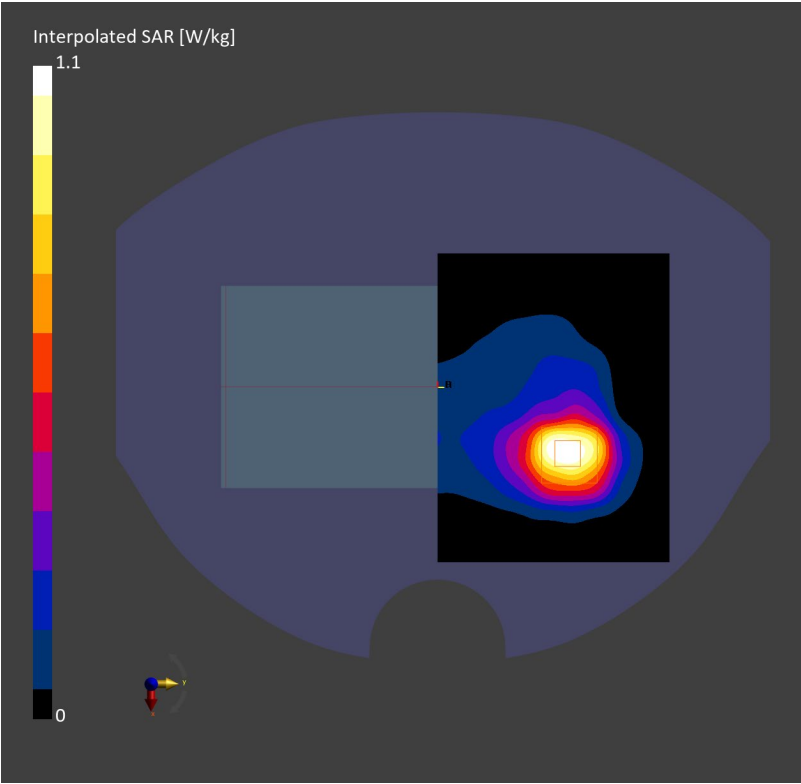
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL1900	EX3DV4 - SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-18, 13:44	2026-07-18, 13:48
psSAR1g [W/Kg]	0.923	1.06
psSAR10g [W/Kg]	0.503	0.518
Power Drift [dB]	-0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.8
Dist 3dB Peak [mm]		9.8



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 4	WCDMA, 10011-CAC	1752.600, 1513	8.05	1.38	40.0

Hardware Setup

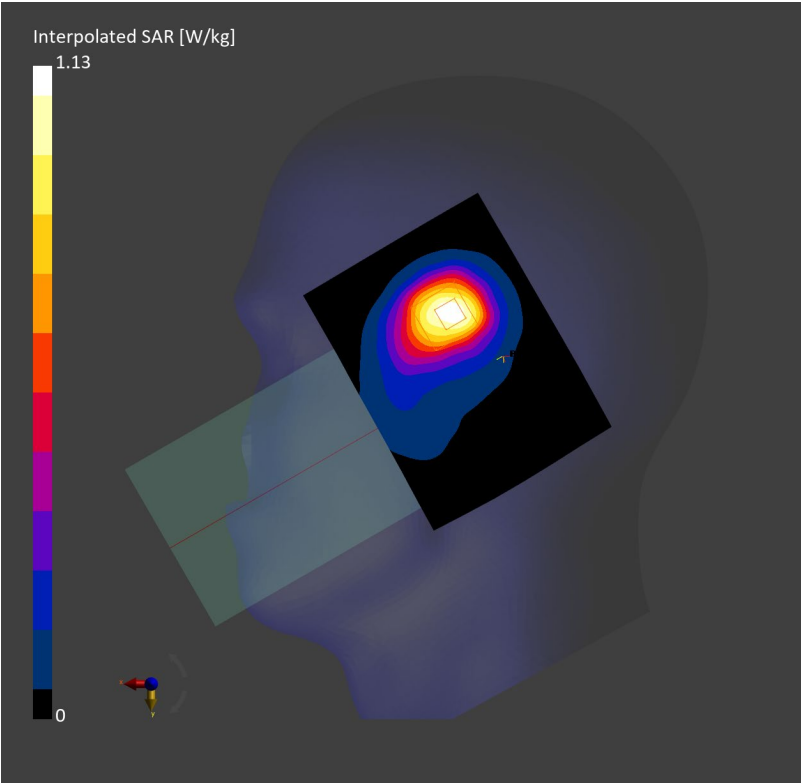
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL1750	EX3DV4 - SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 20:40	2026-07-17, 20:44
psSAR1g [W/Kg]	0.902	1.00
psSAR10g [W/Kg]	0.515	0.515
Power Drift [dB]	0.06	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		11.7



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 4	WCDMA, 10011-CAC	1712.400, 1312	8.05	1.36	40.0

Hardware Setup

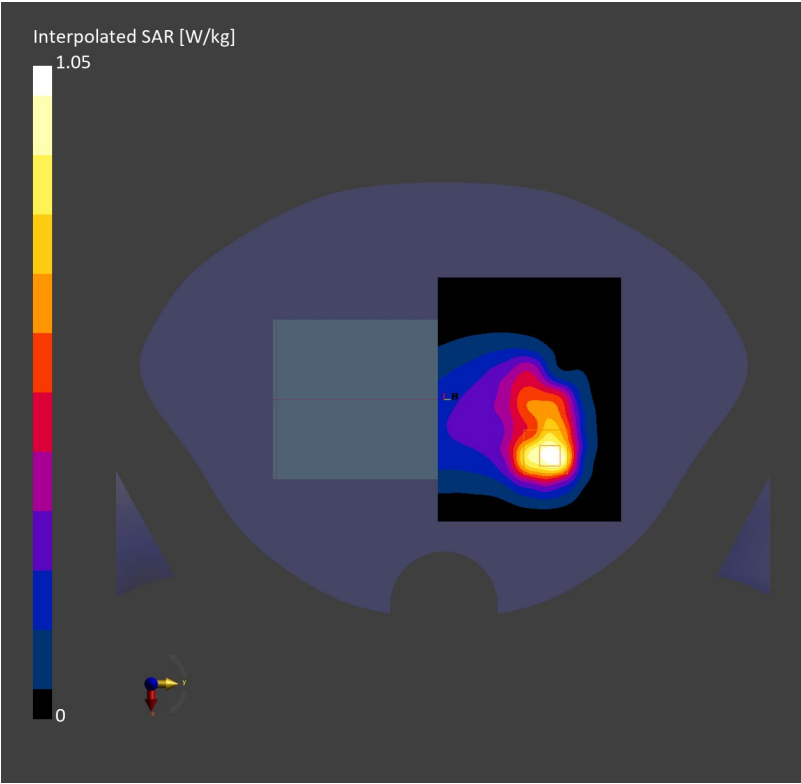
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL1750	EX3DV4 - SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 20:54	2026-07-17, 20:58
psSAR1g [W/Kg]	0.862	0.973
psSAR10g [W/Kg]	0.472	0.459
Power Drift [dB]	0.05	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		68.8
Dist 3dB Peak [mm]		8.1



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 5	WCDMA, 10011-CAC	846.600, 4233	9.3	0.923	41.9

Hardware Setup

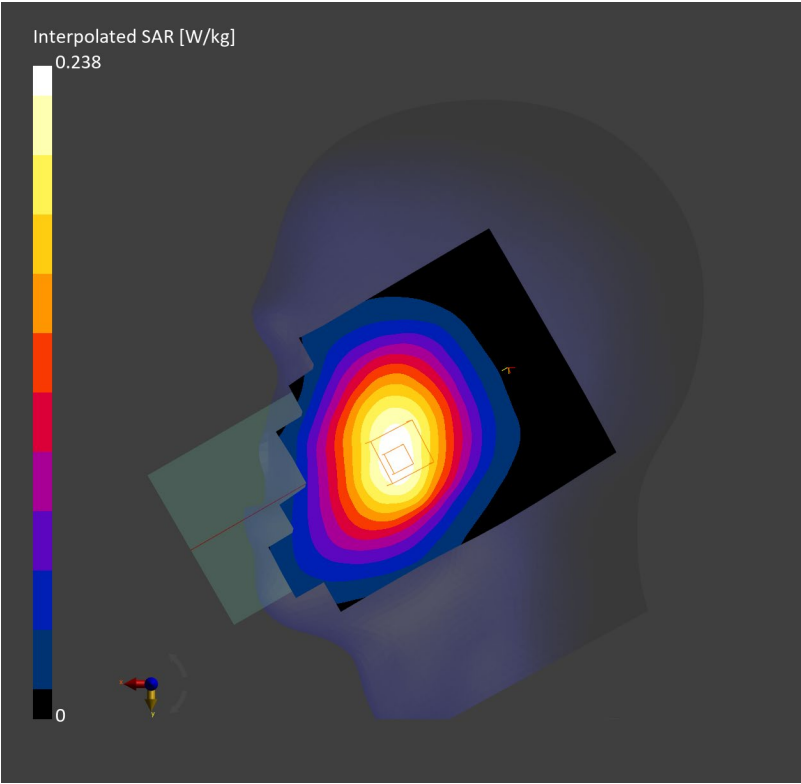
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL835	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-11, 09:19	2026-06-11, 09:25
psSAR1g [W/Kg]	0.208	0.216
psSAR10g [W/Kg]	0.142	0.167
Power Drift [dB]	-0.04	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		78.4
Dist 3dB Peak [mm]		> 16.0



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 5	WCDMA, 10011 – CAC	846.600, 4233	9.3	0.911	42.3

Hardware Setup

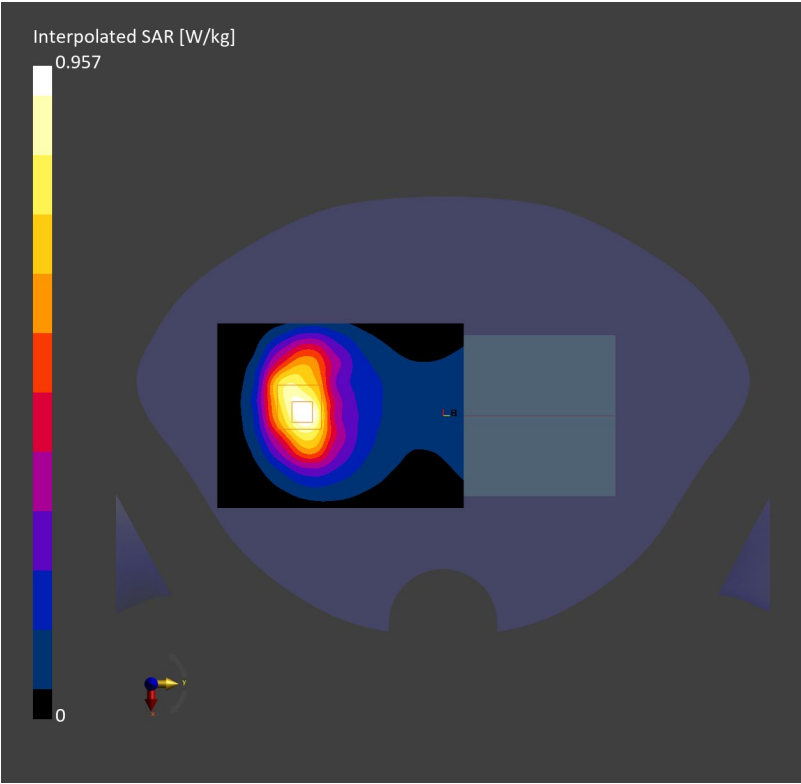
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL835	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-11, 21:17	2026-06-11, 21:21
psSAR1g [W/Kg]	0.820	0.993
psSAR10g [W/Kg]	0.522	0.516
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.4
Dist 3dB Peak [mm]		9.4



Measurement Report for MF52e, CHEEK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 21350 (2560.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2560.000, 21350	6.84	1.95	40.0

Hardware Setup

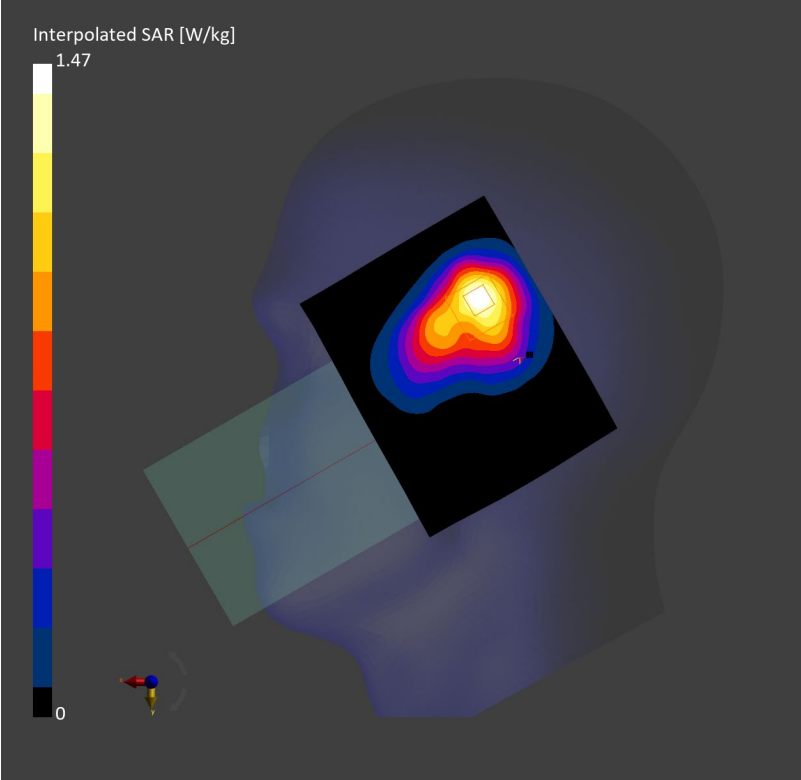
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 20:54	2026-07-15, 21:01
psSAR1g [W/Kg]	1.13	1.16
psSAR10g [W/Kg]	0.584	0.594
Power Drift [dB]	-0.04	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.7
Dist 3dB Peak [mm]		9.9



Measurement Report for MF52e, BACK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 20850 (2510.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 7	LTE-FDD, 10169-CAF	2510.000, 20850	6.84	1.89	40.1

Hardware Setup

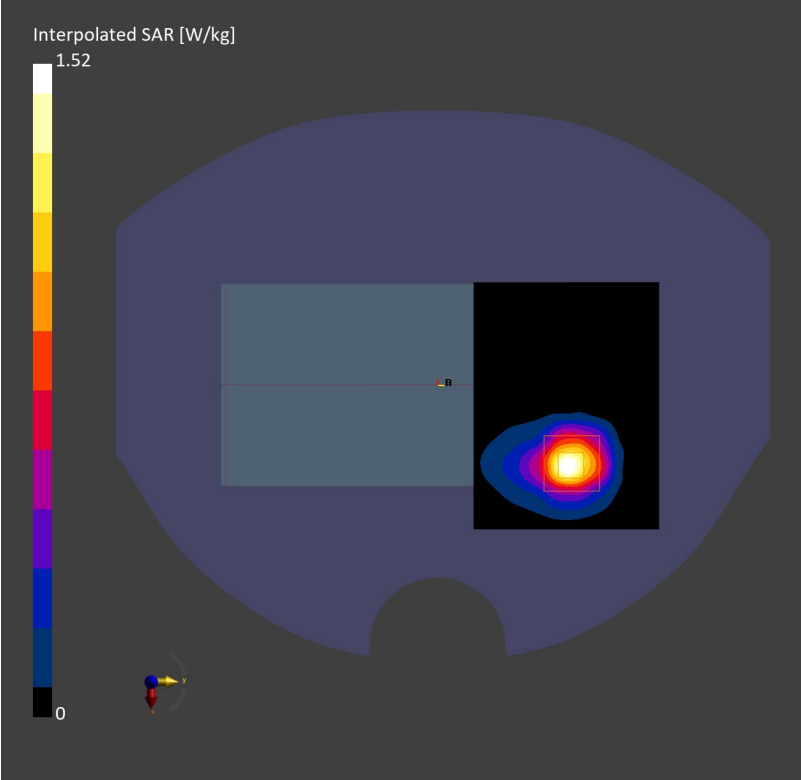
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 72.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 11:17	2026-07-15, 11:22
psSAR1g [W/Kg]	1.12	1.21
psSAR10g [W/Kg]	0.482	0.511
Power Drift [dB]	0.09	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.9
Dist 3dB Peak [mm]		9.0



Measurement Report for Device, CHEEK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 21100 (2535.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.000, 21100	6.84	1.90	39.1

Hardware Setup

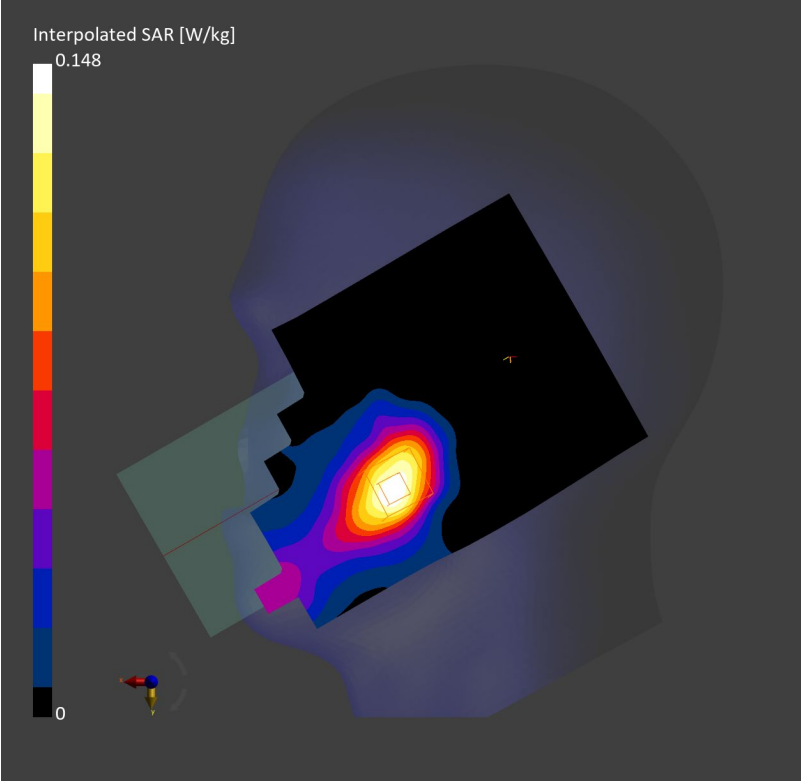
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL2600	EX3DV4 - SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-30, 21:47	2026-07-30, 21:52
psSAR1g [W/Kg]	0.117	0.120
psSAR10g [W/Kg]	0.062	0.062
Power Drift [dB]	0.02	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		12.9



Measurement Report for MF52e, BACK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 20850 (2510.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 7	LTE-FDD, 10169-CAF	2510.000, 20850	6.84	1.87	39.1

Hardware Setup

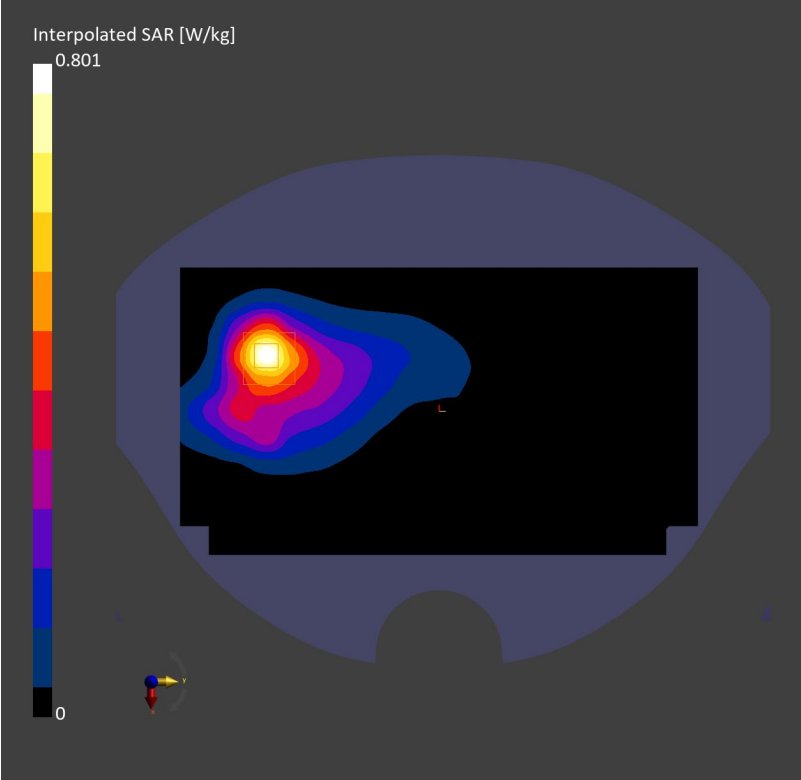
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-30, 16:12	2026-07-30, 16:18
psSAR1g [W/Kg]	0.603	0.627
psSAR10g [W/Kg]	0.292	0.303
Power Drift [dB]	-0.12	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.0
Dist 3dB Peak [mm]		9.9



Measurement Report for MF52e, CHEEK, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 23095 (707.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 12	LTE-FDD, 10175-CAH	707.500, 23095	9.72	0.908	43.2

Hardware Setup

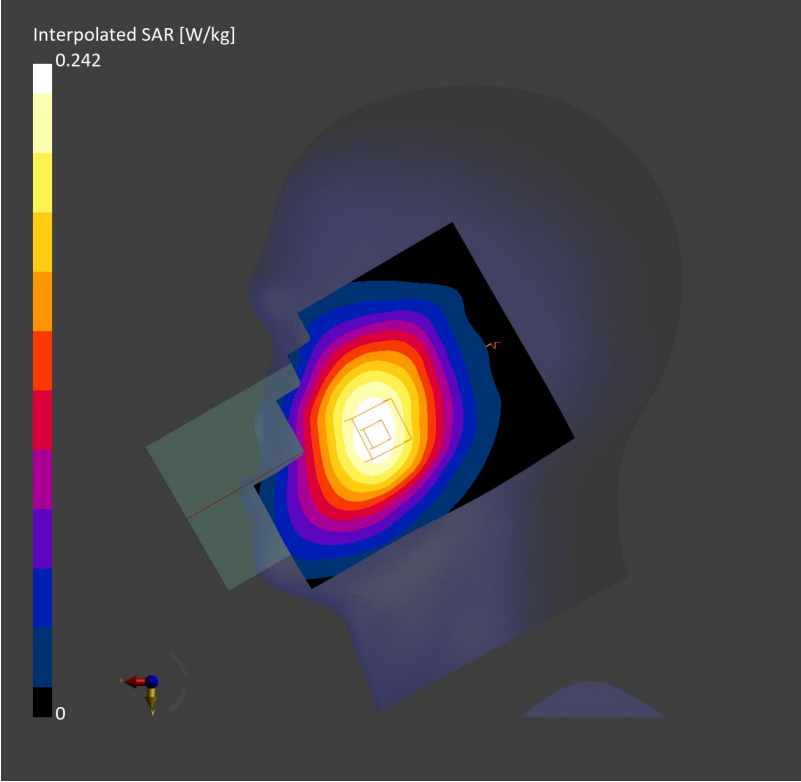
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 10:35	2026-06-12, 10:40
psSAR1g [W/Kg]	0.214	0.225
psSAR10g [W/Kg]	0.151	0.179
Power Drift [dB]	-0.01	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		85.4
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band 12, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 23130 (711.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 12	LTE-FDD, 10154-CAH	711.000, 23130	9.72	0.884	42.3

Hardware Setup

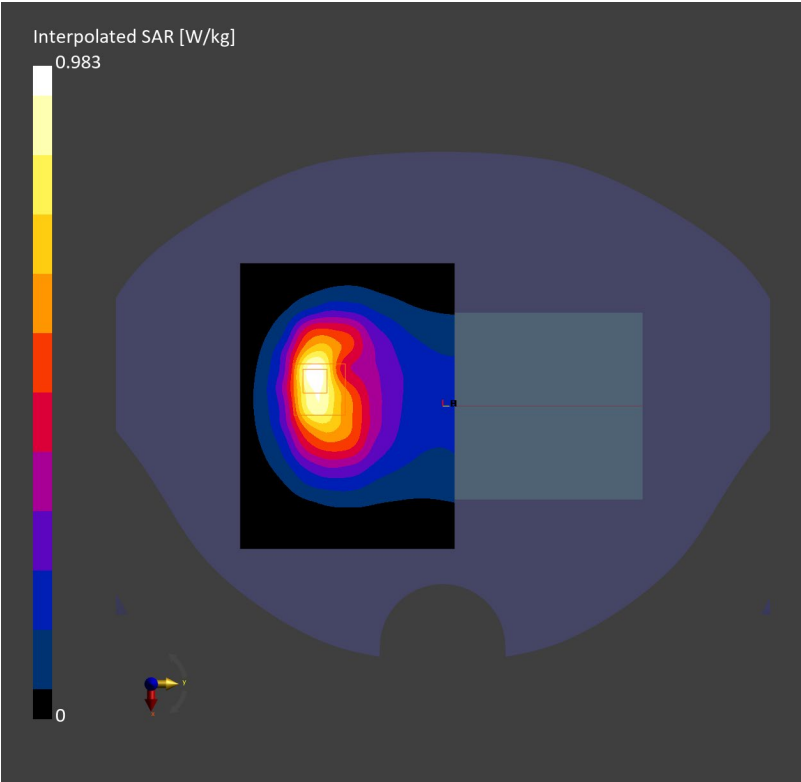
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-13, 22:02	2026-06-13, 22:05
psSAR1g [W/Kg]	0.812	0.833
psSAR10g [W/Kg]	0.504	0.444
Power Drift [dB]	-0.06	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.8
Dist 3dB Peak [mm]		9.7



Measurement Report for MF52e, CHEEK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 23230 (782.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	9.72	0.915	42.9

Hardware Setup

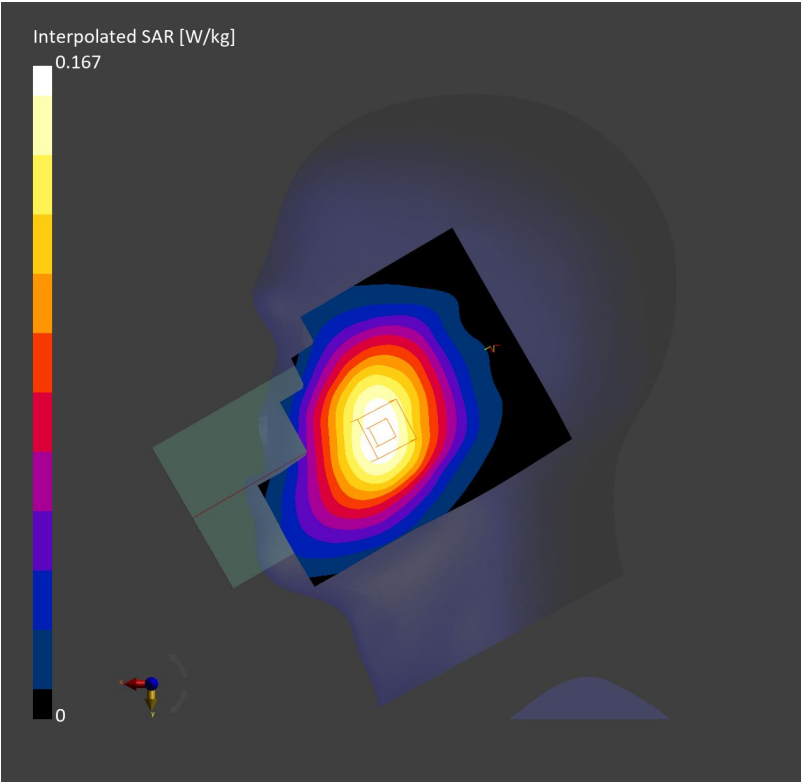
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 10:47	2026-06-12, 10:52
psSAR1g [W/Kg]	0.147	0.154
psSAR10g [W/Kg]	0.103	0.121
Power Drift [dB]	0.16	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.3
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23230 (782.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	9.72	0.908	42.0

Hardware Setup

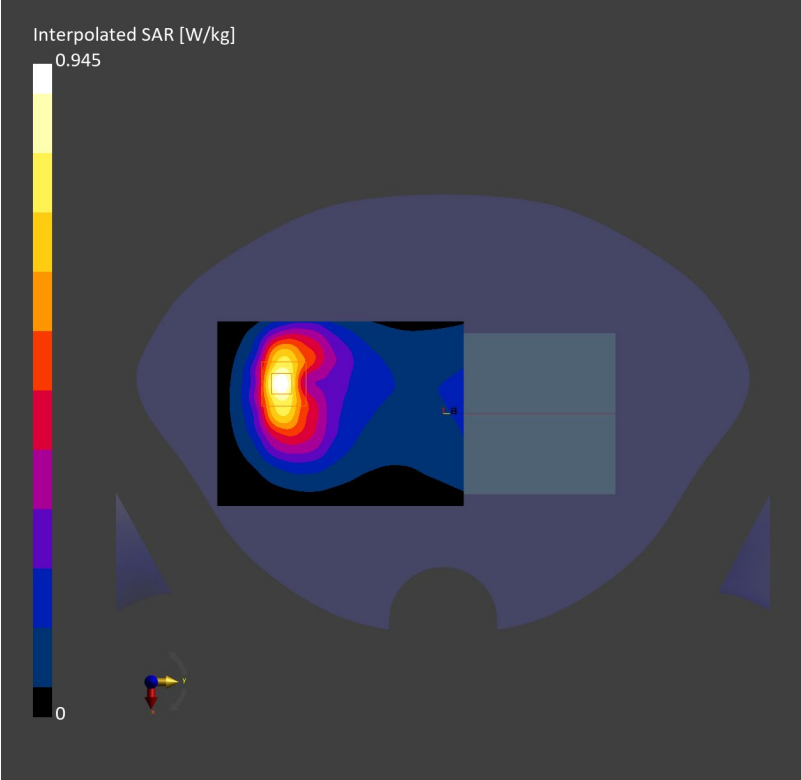
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-13, 15:54	2026-07-13, 15:58
psSAR1g [W/Kg]	0.754	0.769
psSAR10g [W/Kg]	0.446	0.405
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.6
Dist 3dB Peak [mm]		9.4



Measurement Report for MF52e, CHEEK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 23330 (793.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 14	LTE-FDD, 10175-CAH	793.000, 23330	9.72	0.919	42.9

Hardware Setup

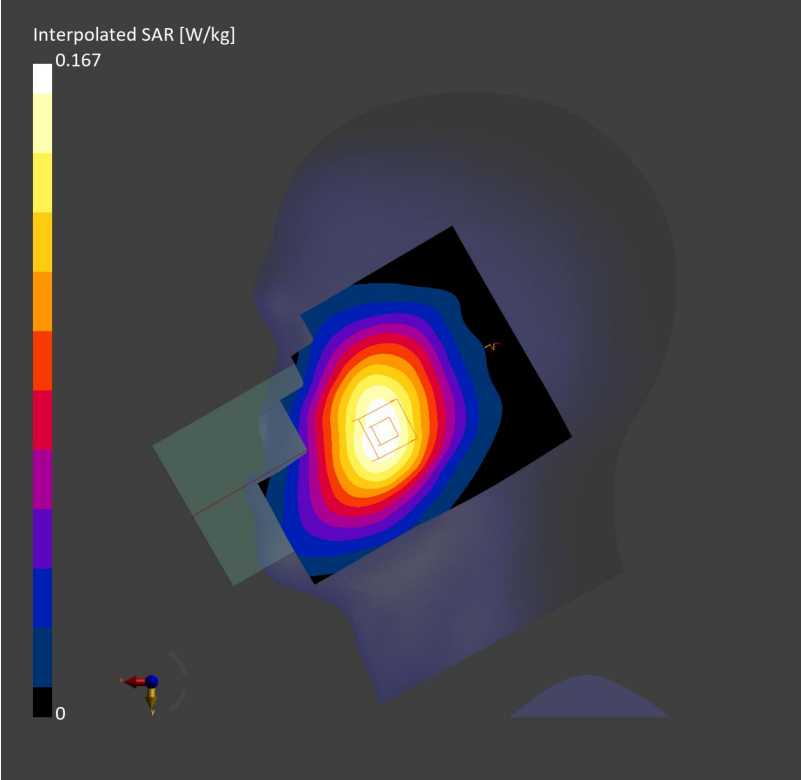
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 10:59	2026-06-12, 11:04
psSAR1g [W/Kg]	0.146	0.151
psSAR10g [W/Kg]	0.102	0.118
Power Drift [dB]	-0.01	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23330 (793.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 14	LTE-FDD, 10175-CAH	793.000, 23330	9.72	0.911	42.0

Hardware Setup

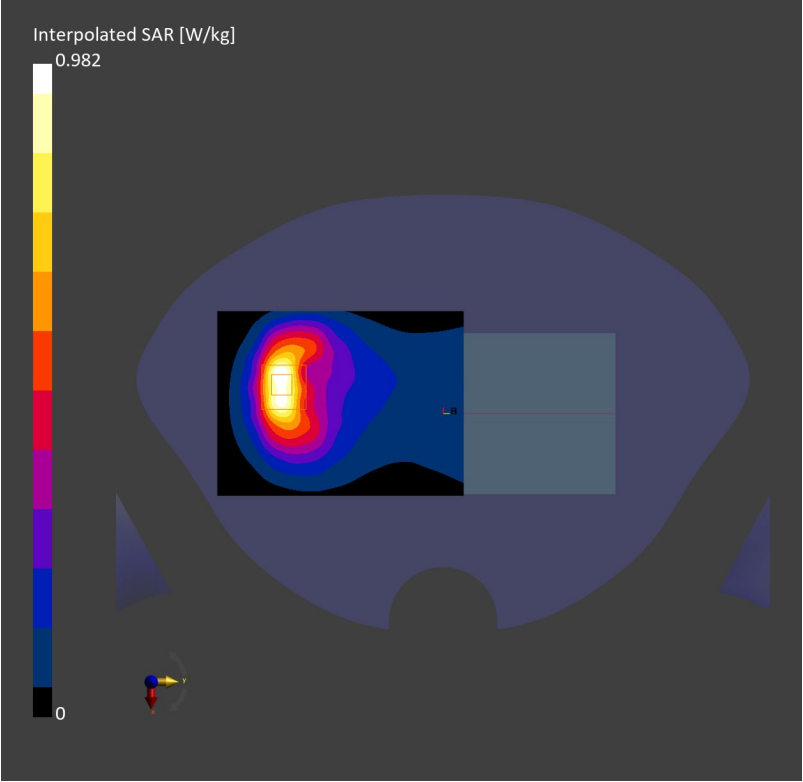
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-13, 16:16	2026-06-13, 16:19
psSAR1g [W/Kg]	0.806	0.846
psSAR10g [W/Kg]	0.484	0.444
Power Drift [dB]	0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		8.6



Measurement Report for Device, CHEEK, Band 25, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26140 (1860.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 25	LTE-FDD, 10297-AAE	1860.000, 26140	7.7	1.41	40.4

Hardware Setup

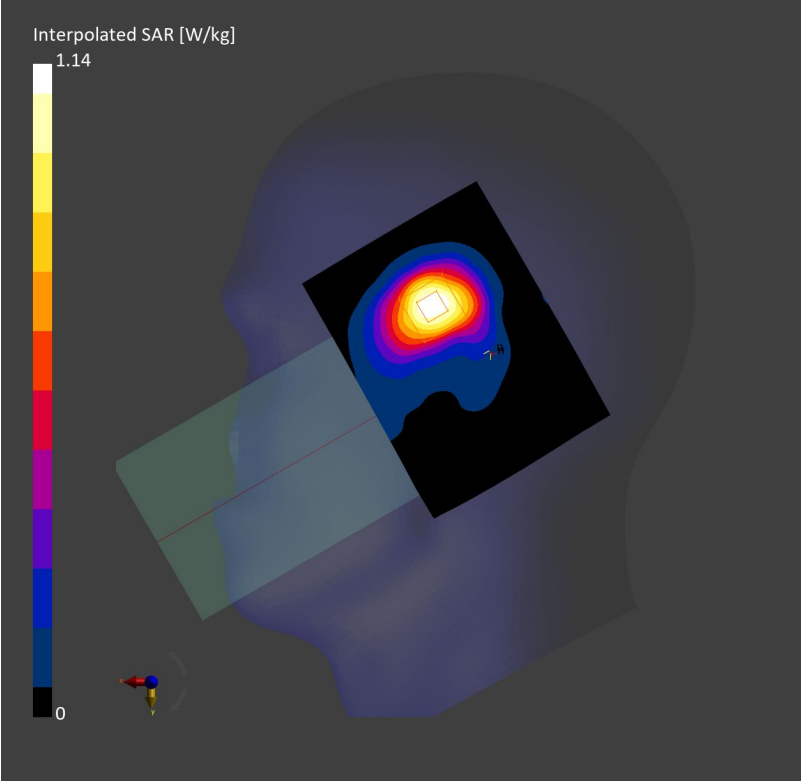
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1900	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-18, 16:31	2026-07-18, 16:35
psSAR1g [W/Kg]	0.919	1.06
psSAR10g [W/Kg]	0.518	0.529
Power Drift [dB]	-0.02	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		10.8



Measurement Report for Device, BACK, Band 25, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26590 (1905.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	158.2 x 77.9 x 8.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 25	LTE-FDD, 10297-AAE	1905.000, 26590	7.7	1.41	40.4

Hardware Setup

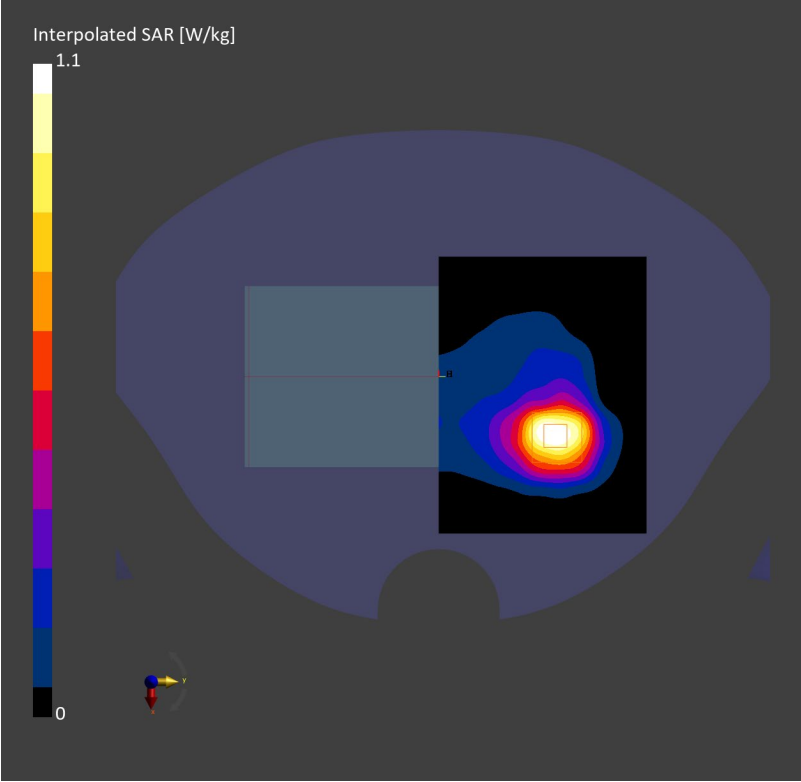
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1900	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 15:44	2026-07-17, 15:48
psSAR1g [W/Kg]	0.927	1.04
psSAR10g [W/Kg]	0.505	0.510
Power Drift [dB]	-0.09	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.6
Dist 3dB Peak [mm]		9.8



Measurement Report for MF52e, CHEEK, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26365 (1882.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 25	LTE-FDD, 10169-CAF	1882.500, 26365	7.52	1.42	40.6

Hardware Setup

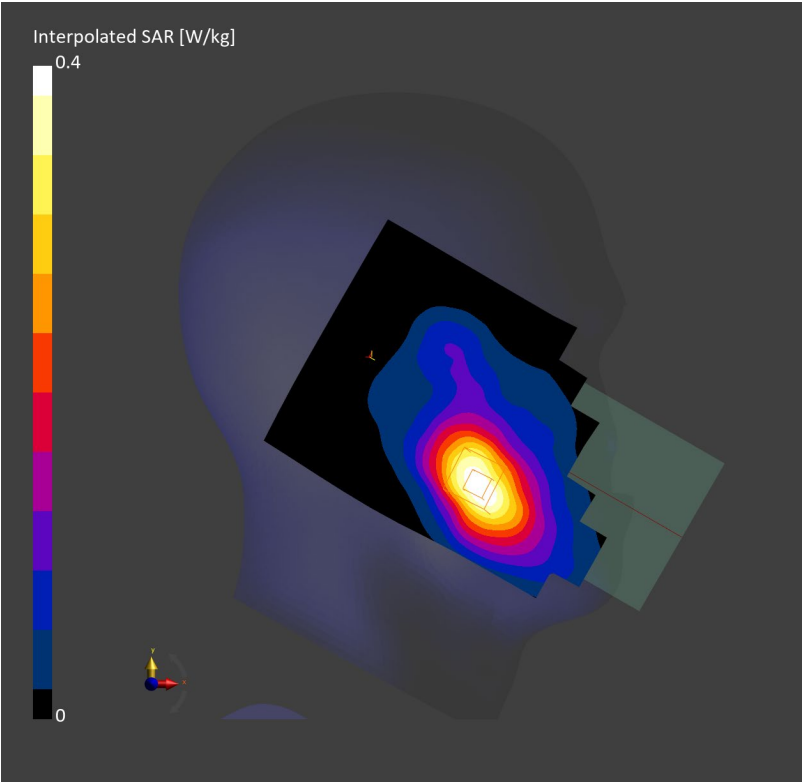
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1950	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-28, 19:48	2026-07-28, 19:54
psSAR1g [W/Kg]	0.306	0.303
psSAR10g [W/Kg]	0.192	0.216
Power Drift [dB]	-0.07	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.3
Dist 3dB Peak [mm]		13.8



Measurement Report for MF52e, BACK, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26365 (1882.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 25	LTE-FDD, 10169-CAF	1882.500, 26365	7.52	1.42	40.6

Hardware Setup

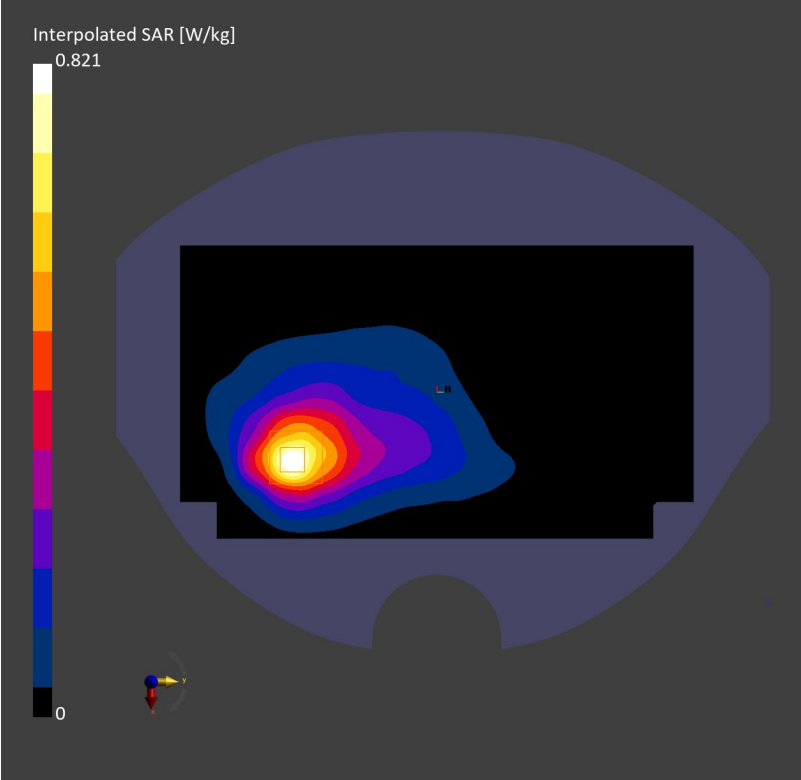
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1950	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-28 16:25	2026-07-28, 16:29
psSAR1g [W/Kg]	0.650	0.671
psSAR10g [W/Kg]	0.352	0.365
Power Drift [dB]	0.01	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.7
Dist 3dB Peak [mm]		12.9



Measurement Report for MF52e, CHEEK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26865 (831.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 26	LTE-FDD, 10181-CAF	831.500, 26865	9.3	0.922	42.6

Hardware Setup

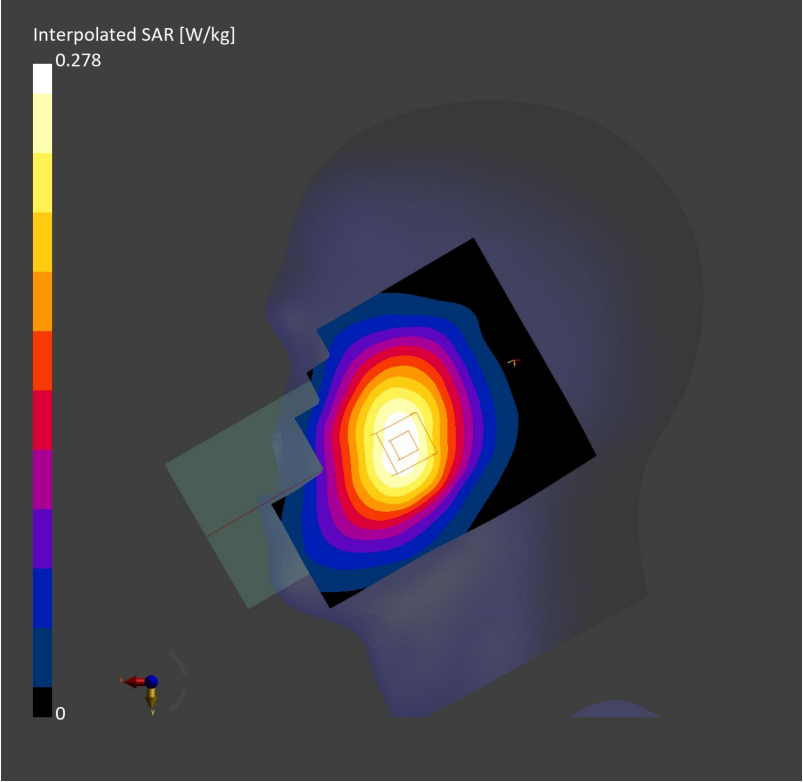
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL835	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-11, 14:43	2026-06-11, 14:48
psSAR1g [W/Kg]	0.244	0.256
psSAR10g [W/Kg]	0.168	0.197
Power Drift [dB]	-0.16	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 26865 (831.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 26	LTE-FDD, 10181-CAF	831.500, 26865	9.3	0.905	42.4

Hardware Setup

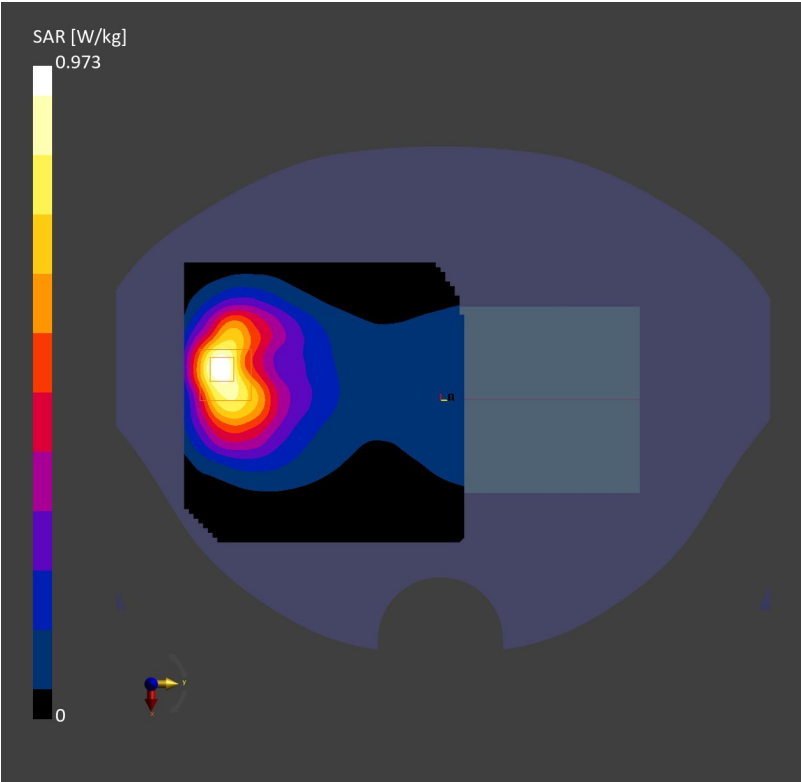
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL835	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-11, 12:05	2026-06-11, 12:08
psSAR1g [W/Kg]	0.876	0.996
psSAR10g [W/Kg]	0.536	0.525
Power Drift [dB]	0.01	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.3
Dist 3dB Peak [mm]		8.3



Measurement Report for MF52e, CHEEK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 40185 (2549.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 41	LTE-TDD, 10172-CAH	2549.500, 40185	6.84	1.94	40.0

Hardware Setup

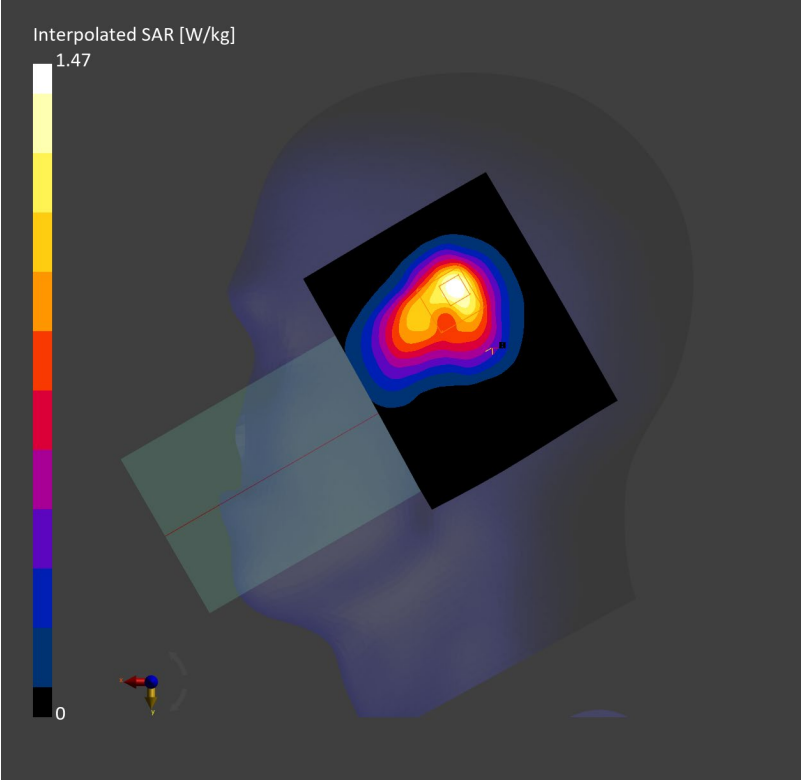
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL2600	EX3DV4 - SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 84.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 21:33	2026-07-15, 21:40
psSAR1g [W/Kg]	1.11	1.06
psSAR10g [W/Kg]	0.563	0.540
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.0
Dist 3dB Peak [mm]		9.0



Measurement Report for MF52e, BACK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 39750 (2506.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 41	LTE-TDD, 10172-CAH	2506.000, 39750	6.84	1.88	40.1

Hardware Setup

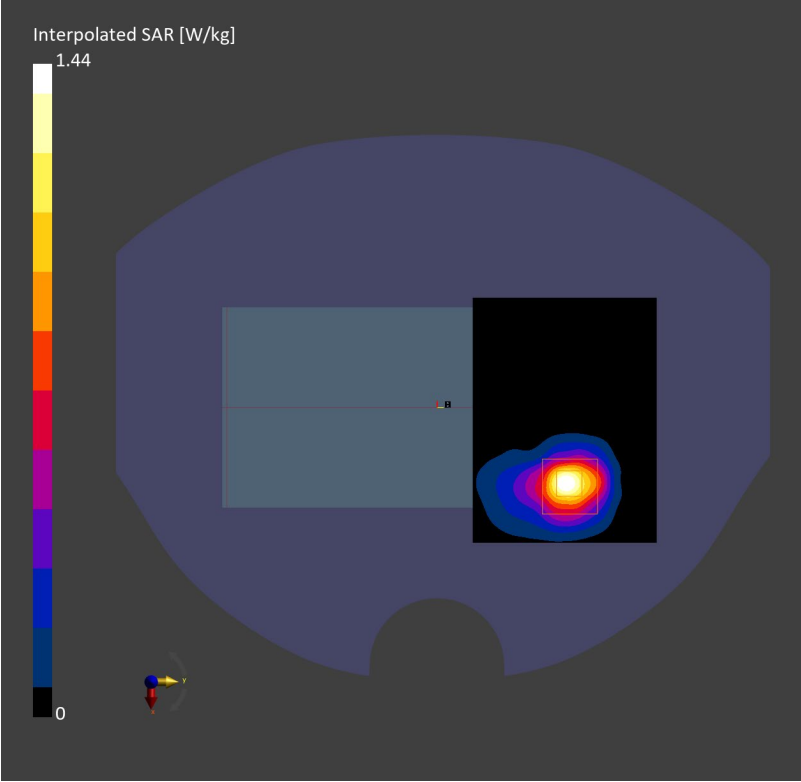
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 72.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 16:31	2026-07-15, 16:37
psSAR1g [W/Kg]	1.05	1.16
psSAR10g [W/Kg]	0.454	0.487
Power Drift [dB]	0.03	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.9
Dist 3dB Peak [mm]		8.6



Measurement Report for MF52e, CHEEK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 41490 (2680.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 41	LTE-TDD, 10435-AAG	2680.000, 41490	6.84	2.10	38.7

Hardware Setup

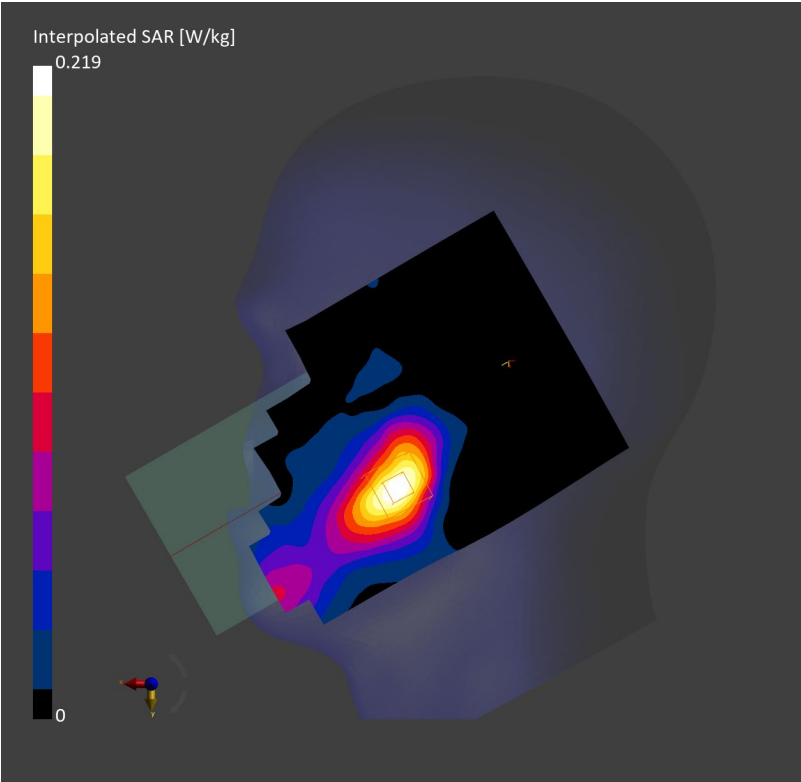
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-31, 20:16	2026-07-31, 20:30
psSAR1g [W/Kg]	0.170	0.161
psSAR10g [W/Kg]	0.086	0.083
Power Drift [dB]	0.07	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.4
Dist 3dB Peak [mm]		10.5



Measurement Report for MF52e, BACK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 39750 (2506.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 41	LTE-TDD, 10172-CAH	2506.000, 39750	6.84	1.88	39.2

Hardware Setup

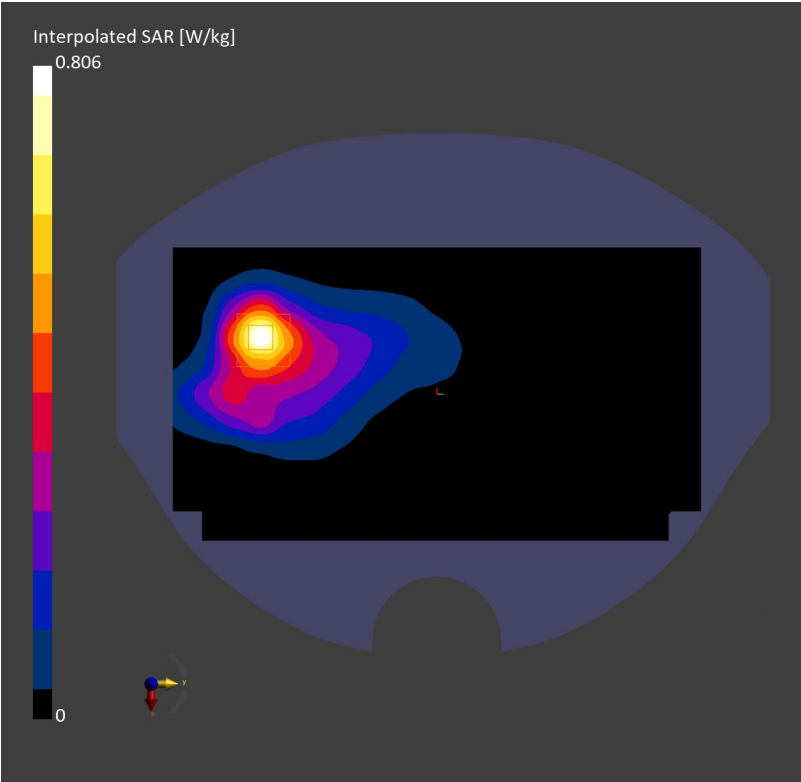
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-31, 15:46	2026-07-31, 15:52
psSAR1g [W/Kg]	0.609	0.633
psSAR10g [W/Kg]	0.296	0.305
Power Drift [dB]	-0.16	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		9.0



Measurement Report for MF52e, CHEEK, Band 42, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 41690 (3410.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 42	LTE-TDD, 10172-CAH	3410.000, 41690	6.49	2.86	38.6

Hardware Setup

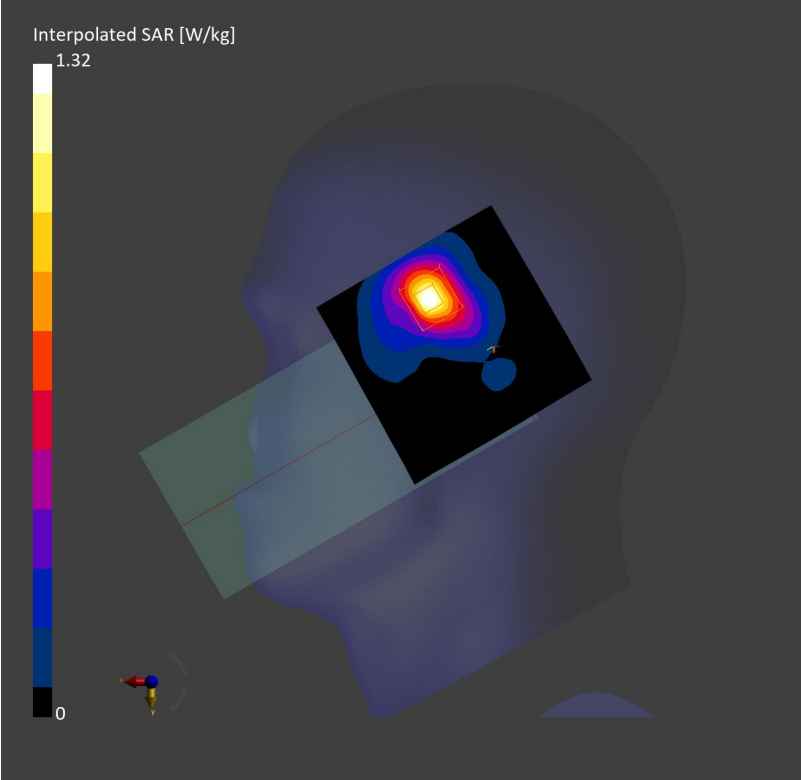
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL3500	EX3DV4 - SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 84.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-14, 19:38	2026-07-14, 19:44
psSAR1g [W/Kg]	0.919	1.02
psSAR10g [W/Kg]	0.390	0.396
Power Drift [dB]	-0.04	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.3
Dist 3dB Peak [mm]		8.3



Measurement Report for MF52e, BACK, Band 42, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 41690 (3410.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 42	LTE-TDD, 10172-CAH	3410.000, 41690	6.49	2.86	38.6

Hardware Setup

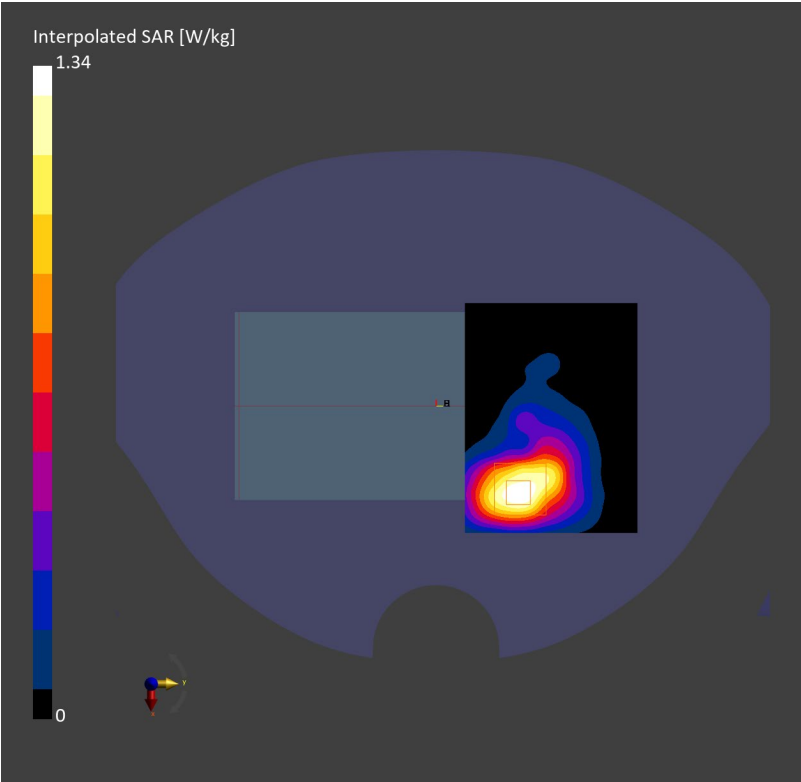
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2025-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 72.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-14, 17:20	2026-07-14, 17:26
psSAR1g [W/Kg]	1.03	1.03
psSAR10g [W/Kg]	0.485	0.454
Power Drift [dB]	-0.01	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		9.5



Measurement Report for MF52e, CHEEK, Band 43, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 44140 (3655.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 43	LTE-TDD, 10172-CAH	3655.000, 44140	6.36	3.13	38.2

Hardware Setup

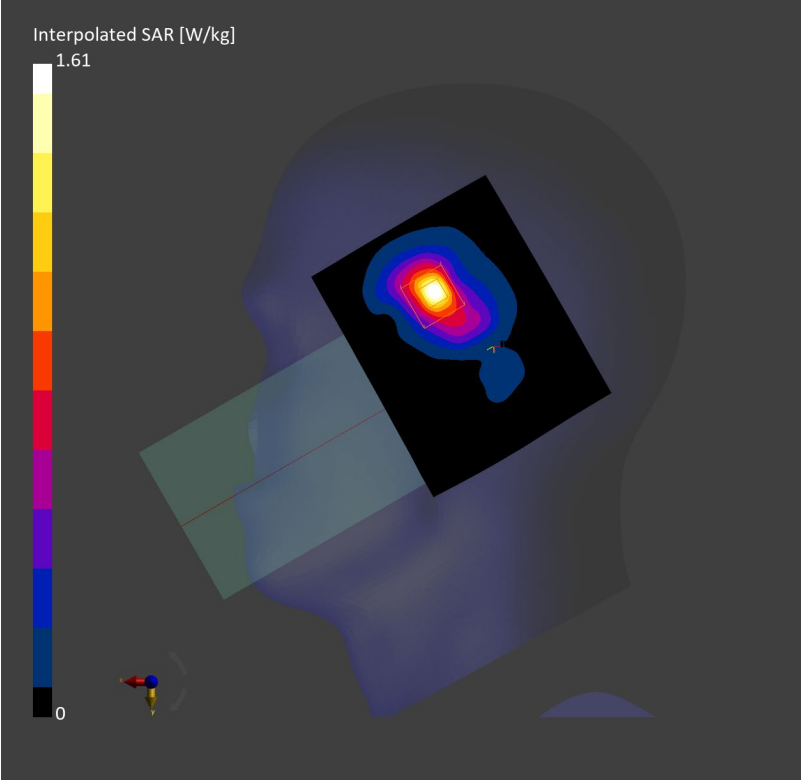
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL3700	EX3DV4 - SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 84.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 20:00	2026-07-15, 20:06
psSAR1g [W/Kg]	1.08	1.12
psSAR10g [W/Kg]	0.424	0.419
Power Drift [dB]	0.08	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		8.1



Measurement Report for MF52e, BACK, Band 43, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 45040 (3745.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 43	LTE-TDD, 10151-CAH	3745.000, 45040	6.36	3.21	38.1

Hardware Setup

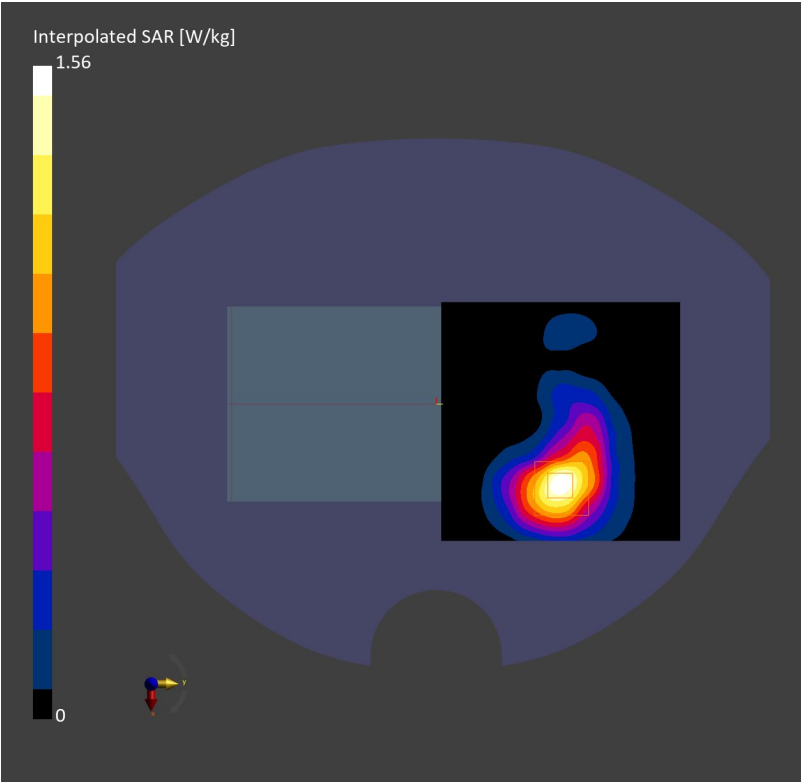
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3700	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 84.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 18:42	2026-07-15, 18:47
psSAR1g [W/Kg]	1.15	1.19
psSAR10g [W/Kg]	0.502	0.524
Power Drift [dB]	0.05	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		10.7



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 48	LTE-TDD, 10103-CAH	3560.000, 55340	6.49	3.00	38.3

Hardware Setup

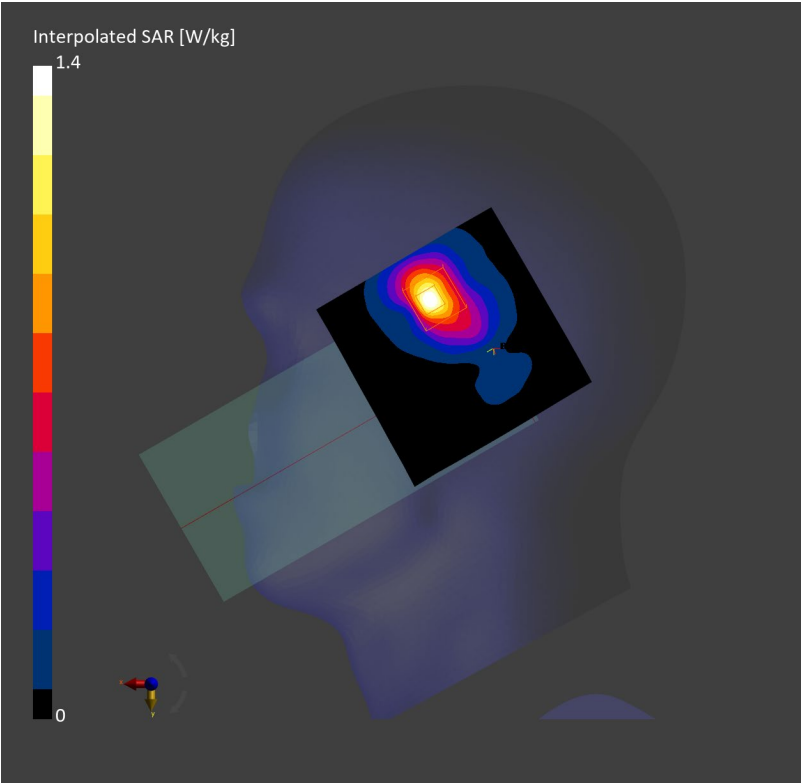
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 84.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-14, 19:25	2026-07-14, 19:31
psSAR1g [W/Kg]	0.961	1.10
psSAR10g [W/Kg]	0.400	0.412
Power Drift [dB]	-0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		8.0



Measurement Report for MF52e, BACK, Band 48, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:High AntennaCfg:SISO, Channel 56640 (3690.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 48	LTE-TDD, 10172-CAH	3690.000, 56640	6.36	3.16	38.2

Hardware Setup

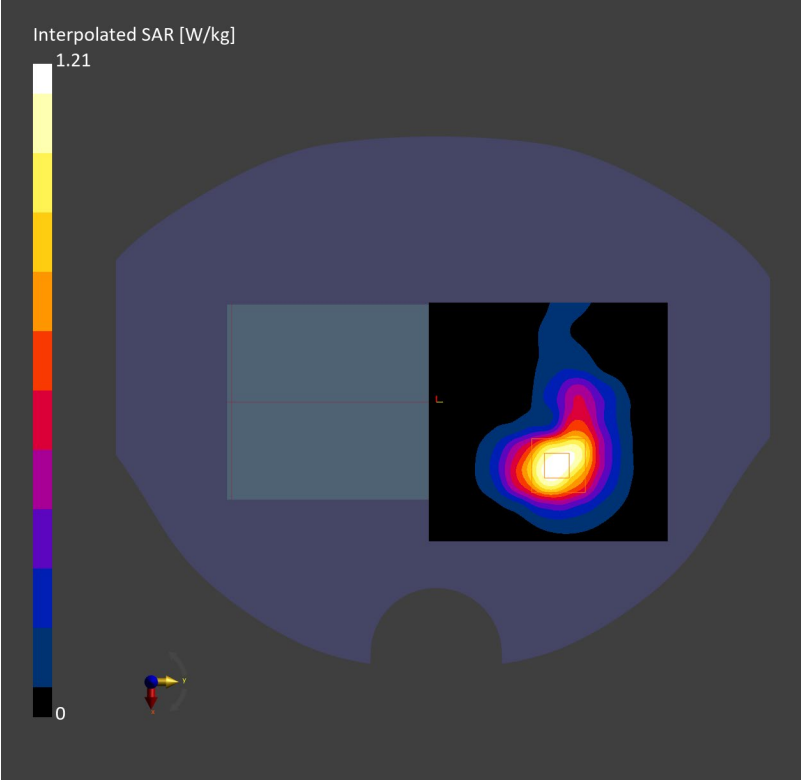
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3700	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 10:04	2026-07-15, 10:09
psSAR1g [W/Kg]	0.941	0.972
psSAR10g [W/Kg]	0.422	0.420
Power Drift [dB]	0.01	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		9.5



Measurement Report for MF52e, CHEEK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 132572 (1770.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	8.05	1.39	40.0

Hardware Setup

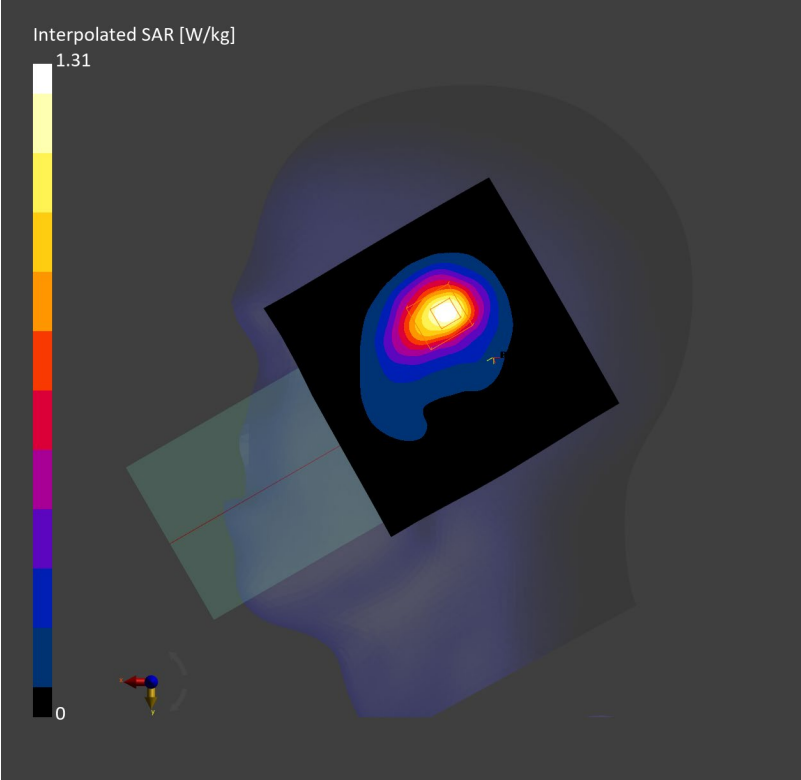
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 20:23	2026-07-17, 20:27
psSAR1g [W/Kg]	1.02	1.02
psSAR10g [W/Kg]	0.542	0.522
Power Drift [dB]	-0.10	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		11.2



Measurement Report for MF52e, BACK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 132072 (1720.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 66	LTE-FDD, 10169-CAF	1720.000, 132072	8.05	1.36	40.0

Hardware Setup

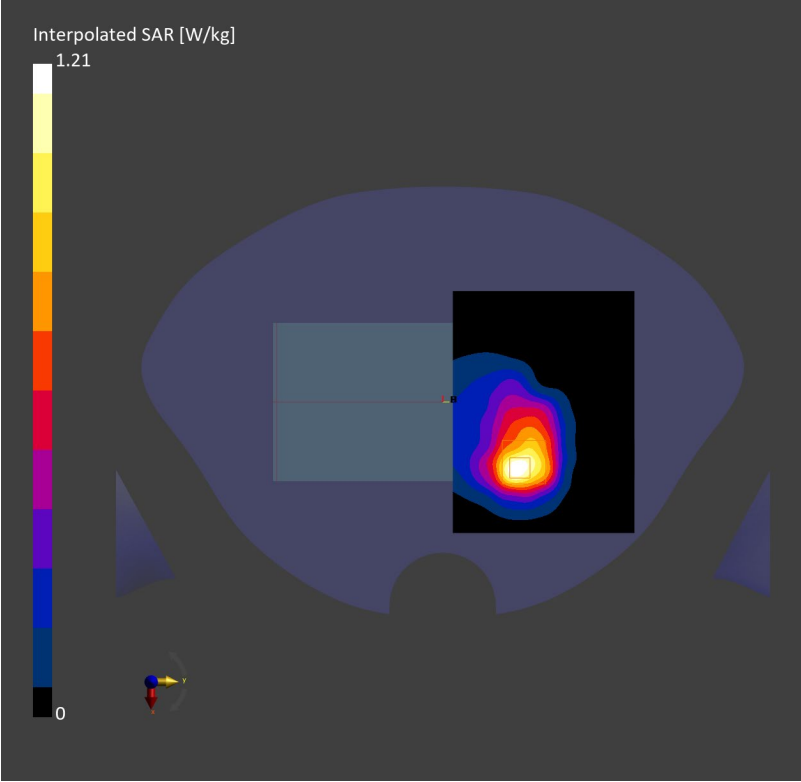
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 16:59	2026-07-17, 17:02
psSAR1g [W/Kg]	0.968	1.09
psSAR10g [W/Kg]	0.533	0.542
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.1
Dist 3dB Peak [mm]		10.2



Measurement Report for MF52e, CHEEK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 132322 (1745.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1745.000, 132322	7.76	1.38	40.4

Hardware Setup

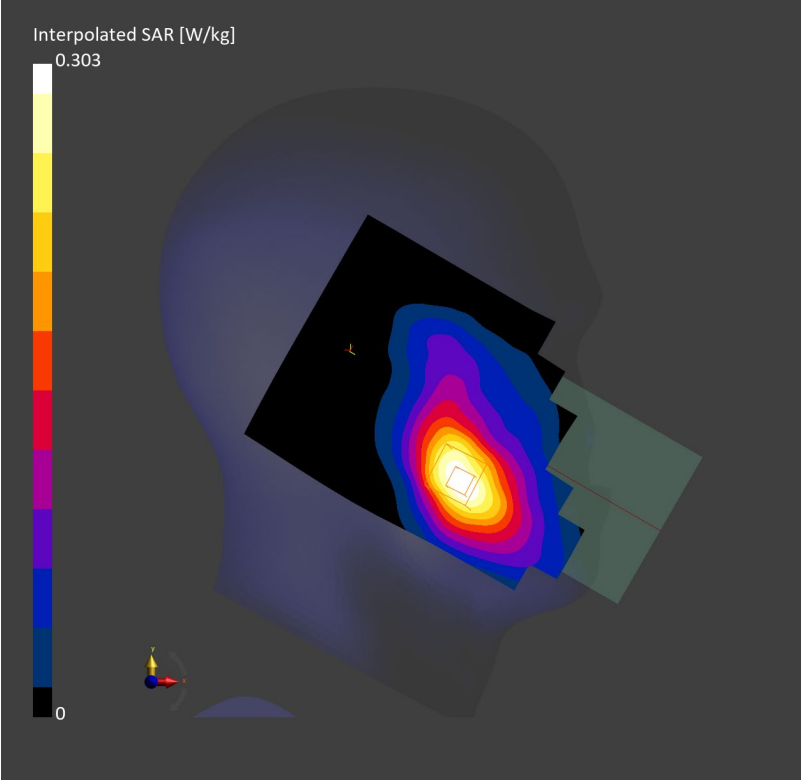
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1750	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-19, 19:32	2026-07-19, 19:38
psSAR1g [W/Kg]	0.251	0.267
psSAR10g [W/Kg]	0.151	0.171
Power Drift [dB]	-0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		67.9
Dist 3dB Peak [mm]		14.4



Measurement Report for MF52e, BACK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 132322 (1745.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 66	LTE-FDD, 10169-CAF	1745.000, 132322	7.76	1.38	40.4

Hardware Setup

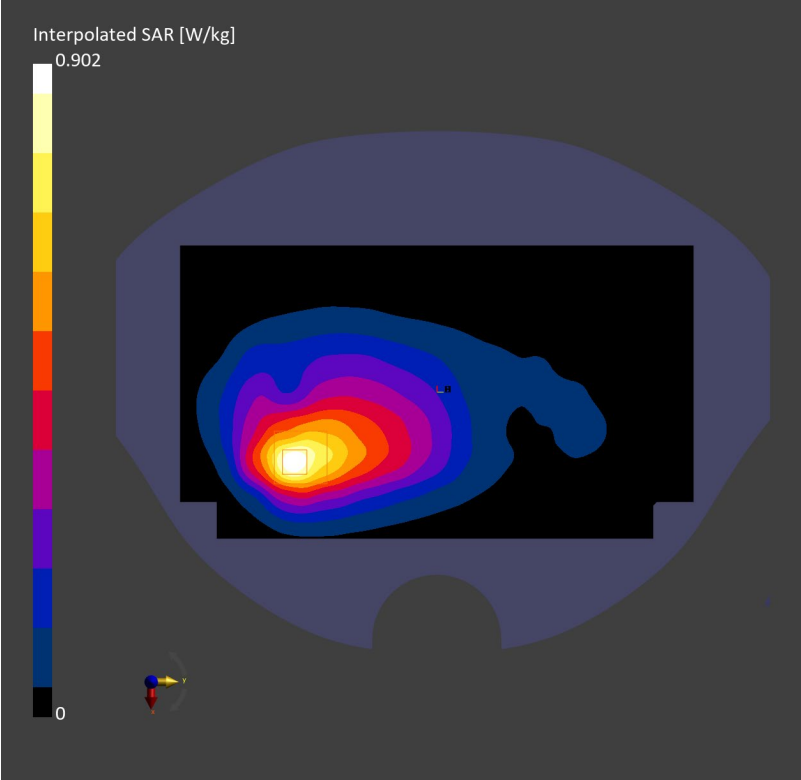
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1750	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-19, 15:34	2026-07-19, 15:38
psSAR1g [W/Kg]	0.719	0.747
psSAR10g [W/Kg]	0.405	0.426
Power Drift [dB]	-0.05	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		13.7



Measurement Report for MF52e, CHEEK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 133322 (683.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band 71	LTE-FDD, 10169-CAF	683.000, 133322	9.72	0.902	43.3

Hardware Setup

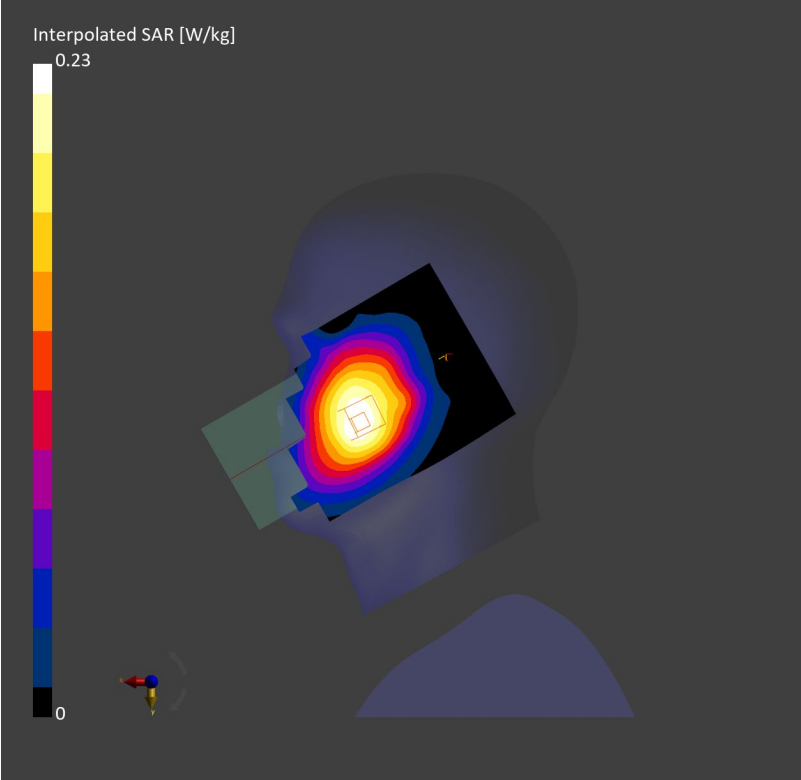
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 11:32	2026-06-12, 11:38
psSAR1g [W/Kg]	0.203	0.215
psSAR10g [W/Kg]	0.143	0.166
Power Drift [dB]	-0.03	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		74.3
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 133322 (683.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band 71	LTE-FDD, 10169-CAF	683.000, 133322	9.72	0.902	43.3

Hardware Setup

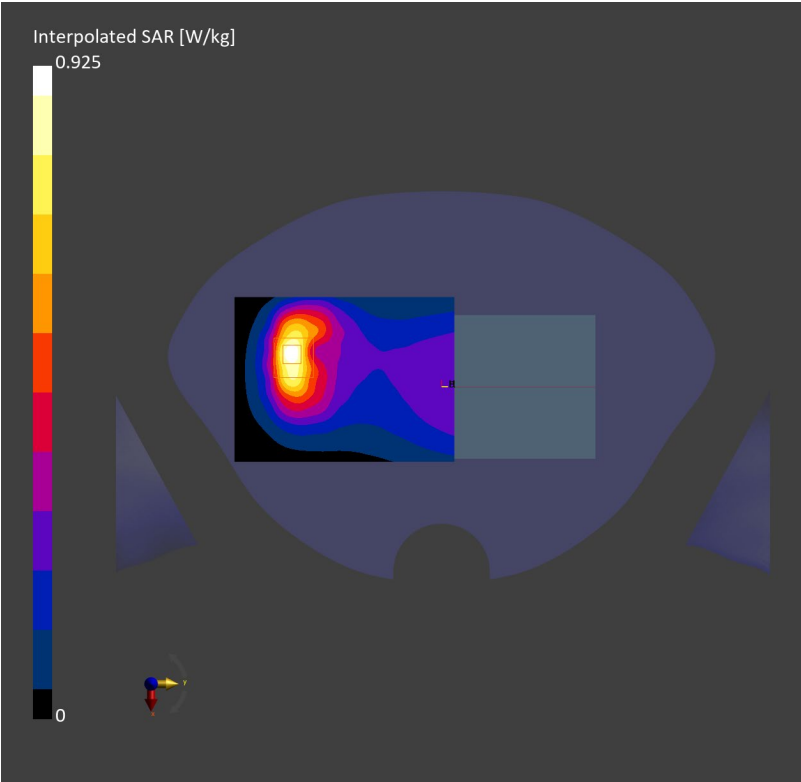
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 09:17	2026-06-12, 09:21
psSAR1g [W/Kg]	0.750	0.753
psSAR10g [W/Kg]	0.455	0.390
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.3
Dist 3dB Peak [mm]		8.9



Measurement Report for MF52e, CHEEK, Band n7, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 510000 (2550.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2550.000, 510000	6.84	1.92	39.8

Hardware Setup

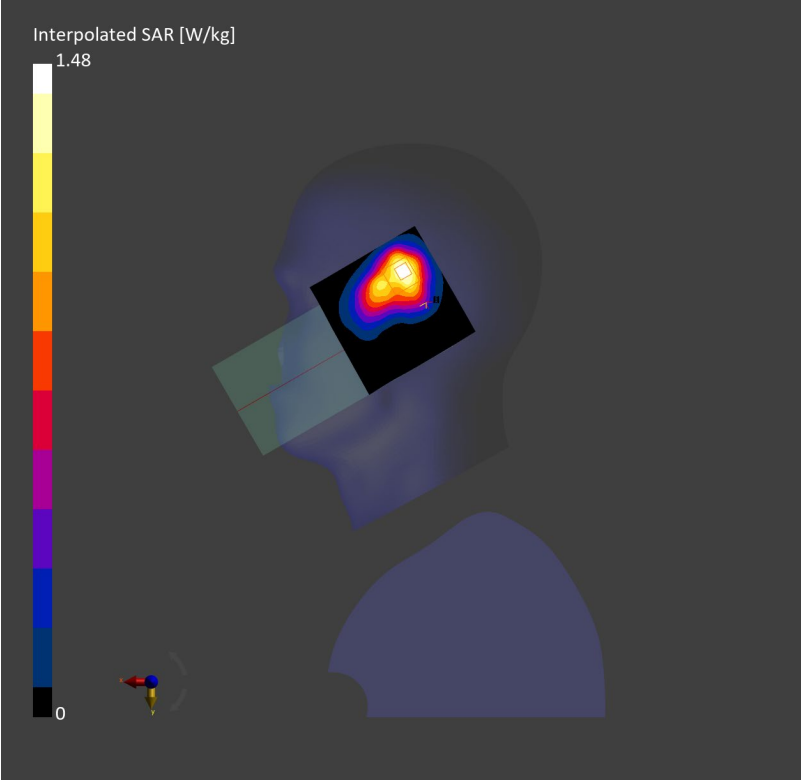
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 20:29	2026-07-17, 20:34
psSAR1g [W/Kg]	1.16	1.13
psSAR10g [W/Kg]	0.604	0.580
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		9.3



Measurement Report for MF52e, BACK, Band n7, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 504000 (2520.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n7	5G NR FR1 FDD, 10934-AAC	2520.000, 504000	6.84	1.88	39.9

Hardware Setup

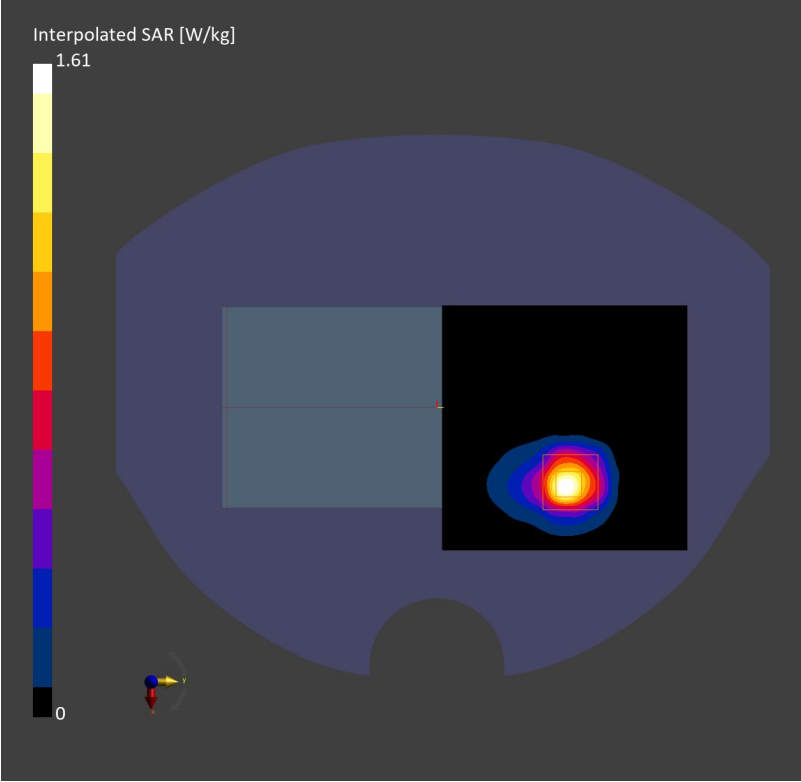
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-17, 21:31	2026-07-17, 21:36
psSAR1g [W/Kg]	1.17	1.29
psSAR10g [W/Kg]	0.496	0.529
Power Drift [dB]	0.09	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		40.4
Dist 3dB Peak [mm]		8.2



Measurement Report for MF52e, CHEEK, Band n12, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 141500 (707.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n12	5G NR FR1 FDD, 10938-AAC	707.500, 141500	9.72	0.904	43.0

Hardware Setup

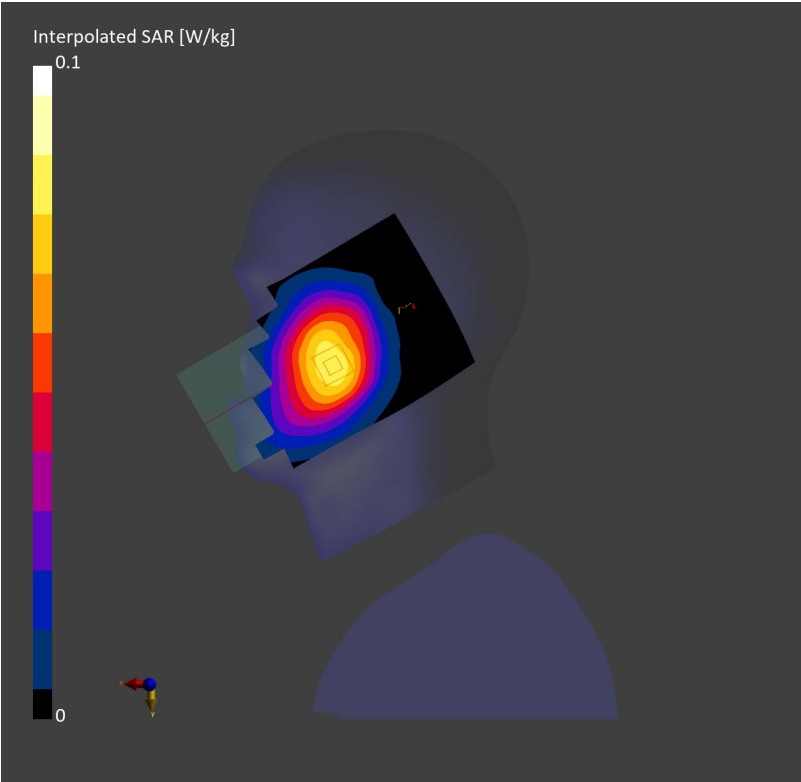
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16, 21:17	2026-06-16, 21:22
psSAR1g [W/Kg]	0.073	0.076
psSAR10g [W/Kg]	0.051	0.060
Power Drift [dB]	0.07	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.0
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band n12, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 141700 (708.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n12	5G NR FR1 FDD, 10938-AAC	708.500, 141700	9.72	0.904	43.0

Hardware Setup

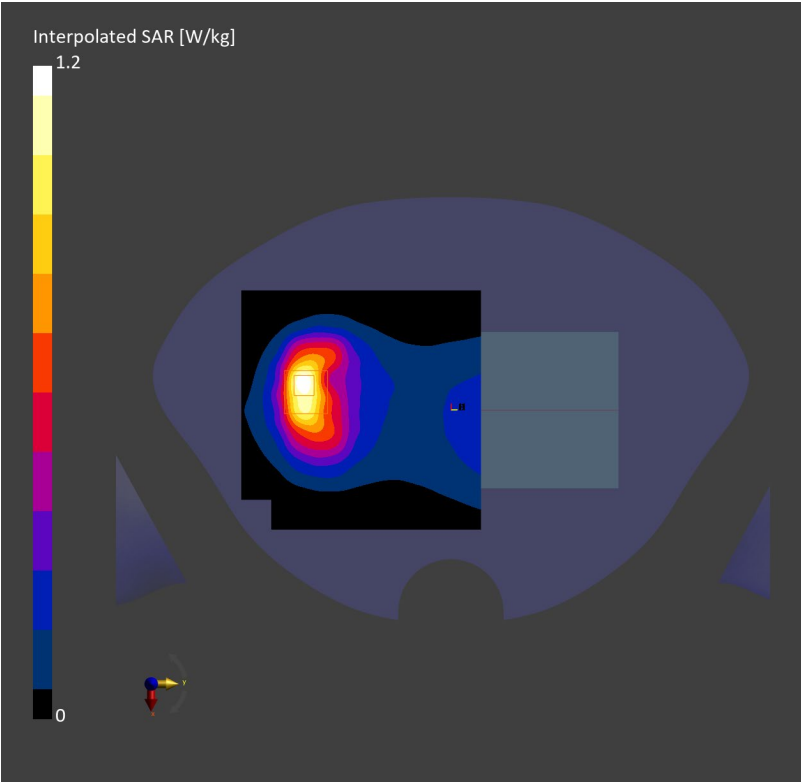
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16, 20:30	2026-06-16, 20:35
psSAR1g [W/Kg]	0.981	1.03
psSAR10g [W/Kg]	0.592	0.534
Power Drift [dB]	-0.03	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.2
Dist 3dB Peak [mm]		8.2



Measurement Report for MF52e, CHEEK, Band n13, 5G NR (DFT–s–OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 156400 (782.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n13	5G NR FR1 FDD, 10945–AAD	782.000, 156400	9.72	0.911	42.7

Hardware Setup

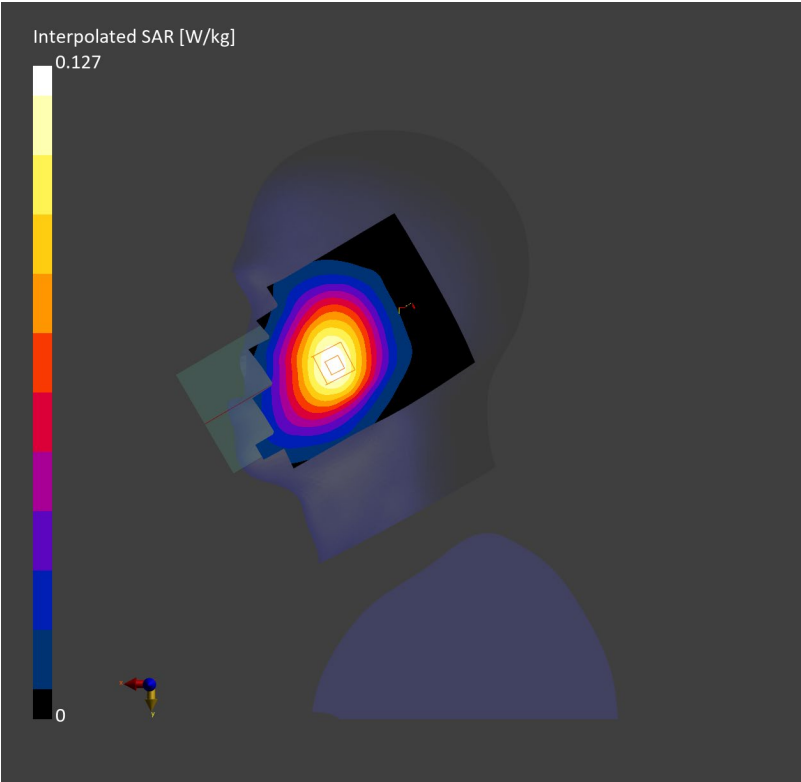
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026–06–16, 21:40	2026–06–16, 21:45
psSAR1g [W/Kg]	0.111	0.112
psSAR10g [W/Kg]	0.076	0.086
Power Drift [dB]	0.06	–0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.1
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band n13, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 156400 (782.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n13	5G NR FR1 FDD, 10929-AAD	782.000, 156400	9.72	0.911	42.7

Hardware Setup

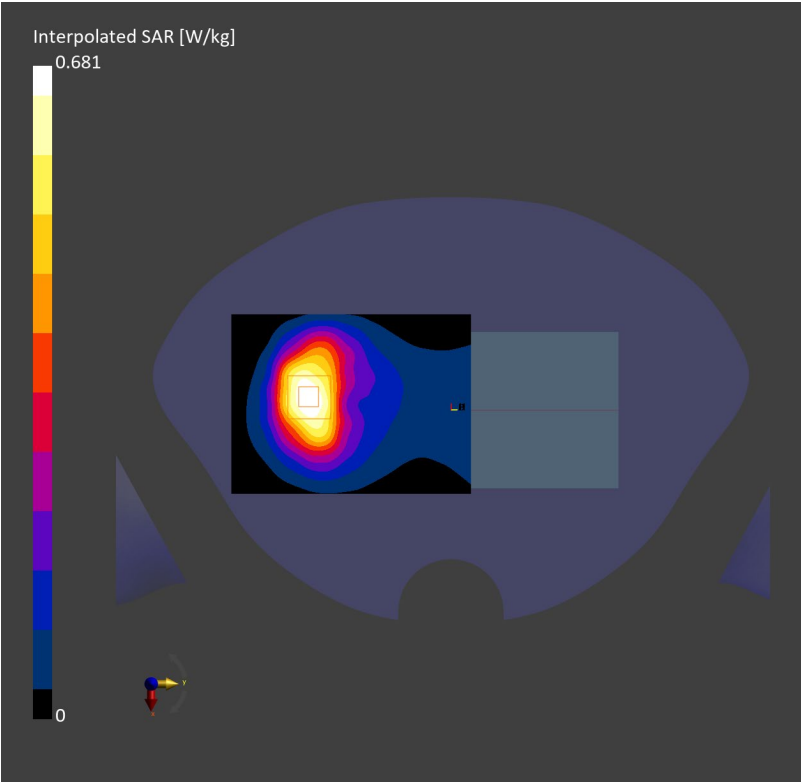
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN78512, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-16, 19:48	2026-07-16, 19:52
psSAR1g [W/Kg]	0.601	0.776
psSAR10g [W/Kg]	0.393	0.393
Power Drift [dB]	-0.03	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.8
Dist 3dB Peak [mm]		9.4



Measurement Report for MF52e, CHEEK, Band n14, 5G NR (DFT–s–OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) AntennaCfg:SISO, Channel 158600 (793.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n14	5G NR FR1 FDD, 10945–AAD	793.000, 158600	9.72	0.915	42.6

Hardware Setup

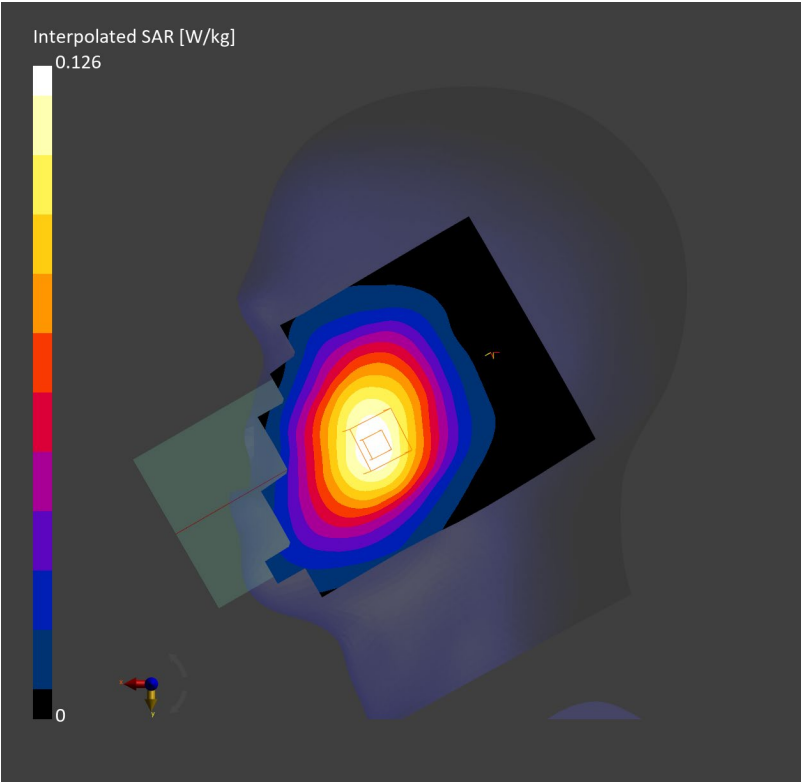
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–06–16, 12:53	2026–06–16, 12:58
psSAR1g [W/Kg]	0.110	0.116
psSAR10g [W/Kg]	0.076	0.088
Power Drift [dB]	–0.06	–0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		72.8
Dist 3dB Peak [mm]		> 16.0



Measurement Report for MF52e, BACK, Band n14, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 158600 (793.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.000, 158600	9.72	0.915	42.6

Hardware Setup

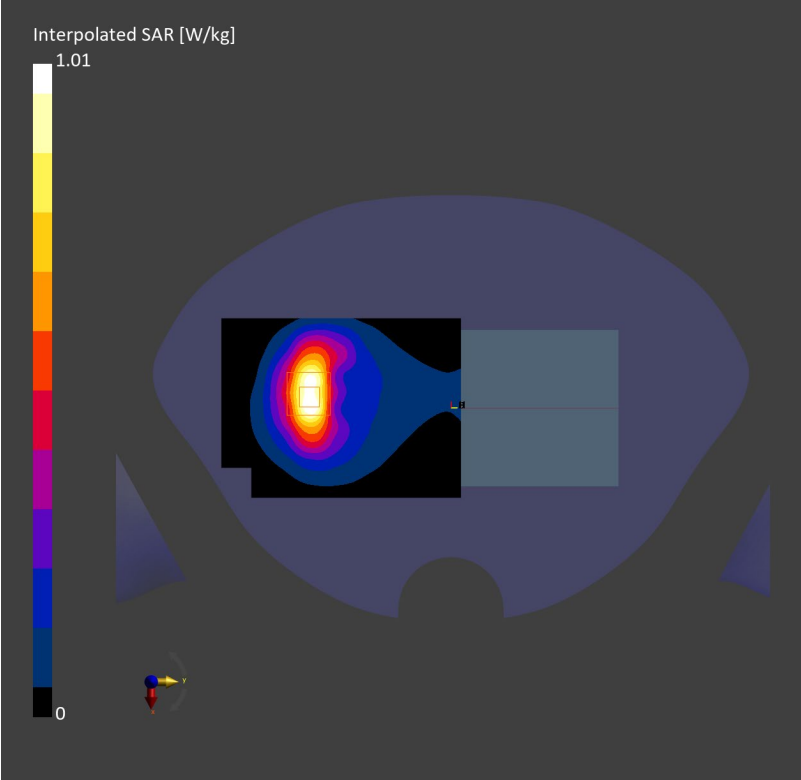
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-16, 18:30	2026-06-16, 18:33
psSAR1g [W/Kg]	0.843	0.866
psSAR10g [W/Kg]	0.505	0.440
Power Drift [dB]	-0.07	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.1
Dist 3dB Peak [mm]		8.2



Measurement Report for Device, CHEEK, Band n25, 5G NR (DFT–s–OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 374000 (1870.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n25	5G NR FR1 FDD, 10942–AAC	1870.000, 374000	7.7	1.43	40.9

Hardware Setup

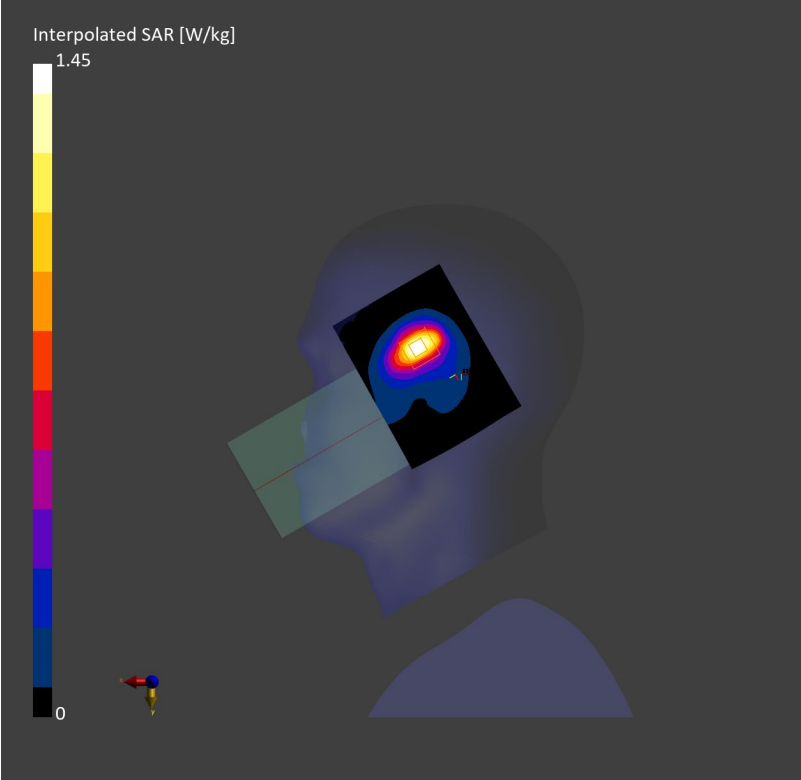
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–13, 16:35	2026–07–13, 16:41
psSAR1g [W/Kg]	1.14	1.20
psSAR10g [W/Kg]	0.597	0.630
Power Drift [dB]	0.01	–0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.4
Dist 3dB Peak [mm]		10.2



Measurement Report for Device, BACK, Band n25, 5G NR (DFT–s–OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 379000 (1895.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n25	5G NR FR1 FDD, 10942–AAC	1895.000, 379000	7.7	1.43	40.9

Hardware Setup

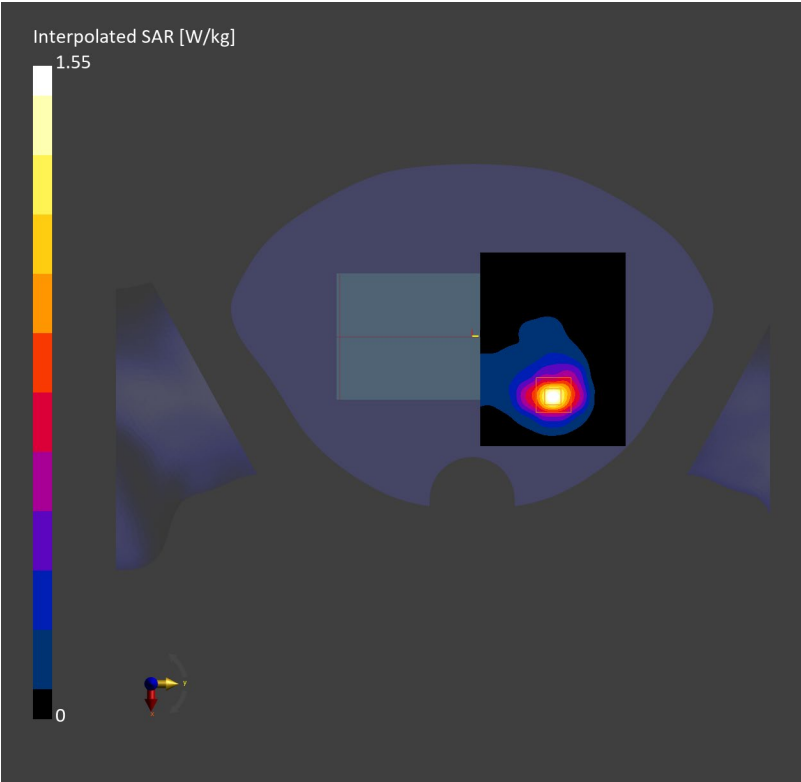
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–13, 17:03	2026–07–13, 17:07
psSAR1g [W/Kg]	1.16	1.18
psSAR10g [W/Kg]	0.569	0.588
Power Drift [dB]	0.06	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		9.4



Measurement Report for Device, CHEEK, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 164800 (824.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n26	5G NR FR1 FDD, 10939-AAC	824.000, 164800	9.3	0.902	42.4

Hardware Setup

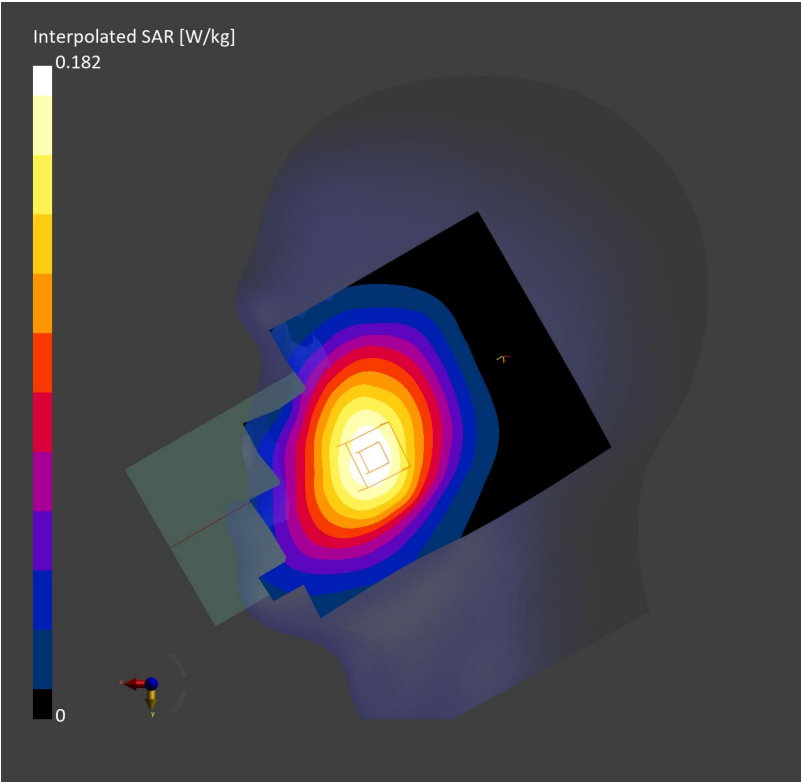
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-11, 12:09	2026-06-11, 12:15
psSAR1g [W/Kg]	0.159	0.170
psSAR10g [W/Kg]	0.110	0.131
Power Drift [dB]	-0.05	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		71.7
Dist 3dB Peak [mm]		> 16.0



Measurement Report for Device, BACK, Band n26, 5G NR (DFT–s–OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 167800 (839.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n26	5G NR FR1 FDD, 10931–AAC	839.000, 167800	9.3	0.909	42.4

Hardware Setup

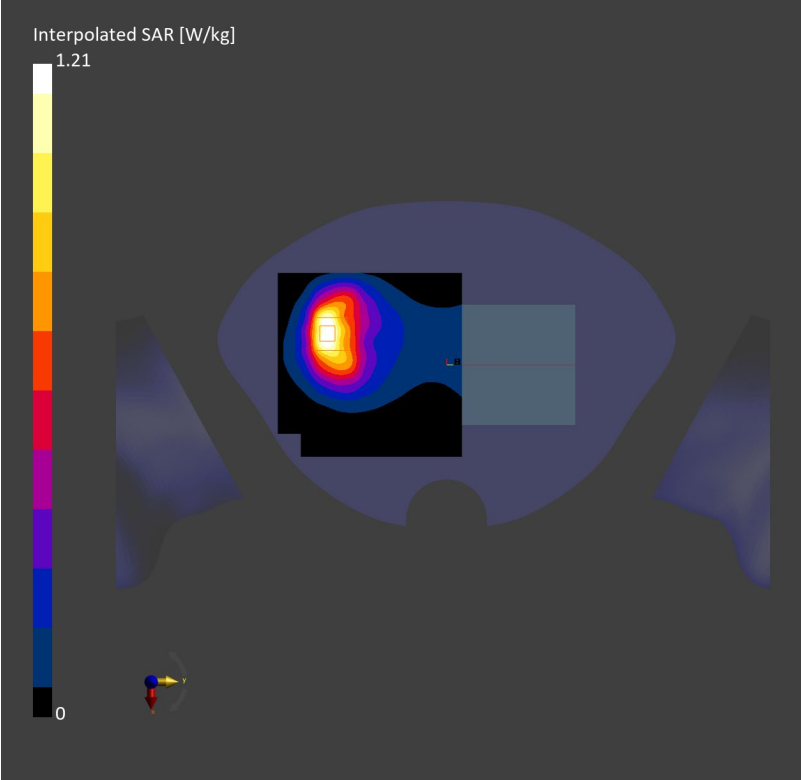
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–06–11, 14:26	2026–06–11, 14:29
psSAR1g [W/Kg]	1.03	1.21
psSAR10g [W/Kg]	0.641	0.644
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		8.2



Measurement Report for MF52e, CHEEK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 513900 (2569.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2569.500, 513900	6.84	1.95	39.4

Hardware Setup

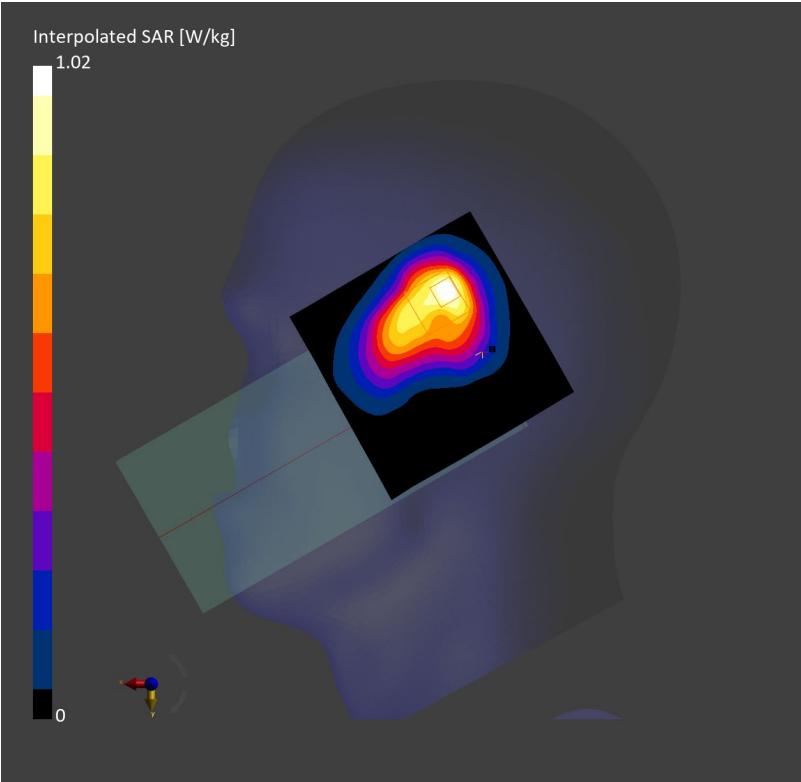
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 96.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-16, 19:47	2026-07-16, 19:53
psSAR1g [W/Kg]	0.775	0.764
psSAR10g [W/Kg]	0.407	0.395
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.2
Dist 3dB Peak [mm]		9.3



Measurement Report for MF52e, BACK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 513900 (2569.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2569.500, 513900	6.84	1.95	39.4

Hardware Setup

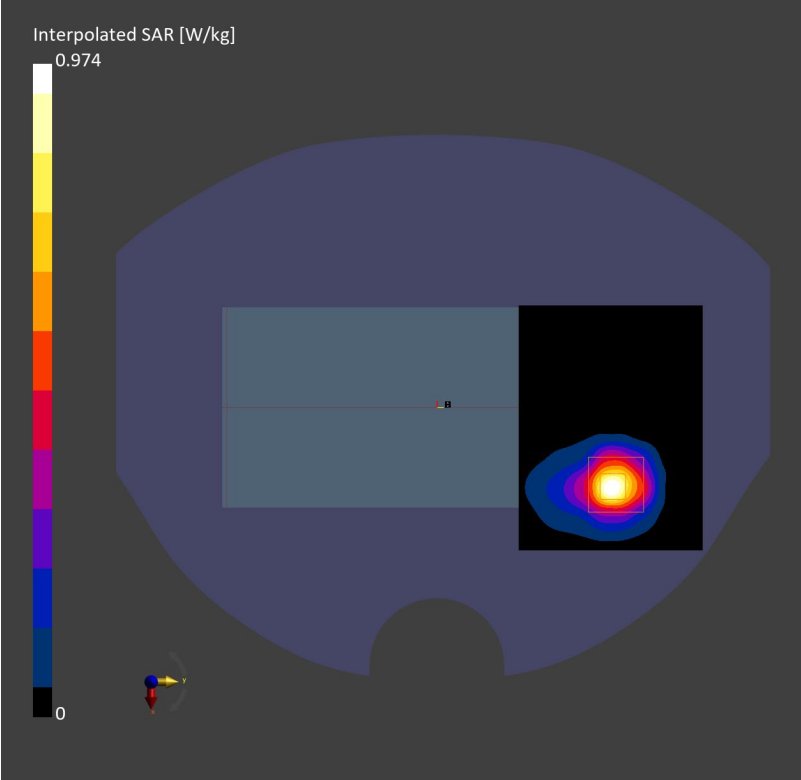
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 72.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-16, 19:03	2026-07-16, 19:08
psSAR1g [W/Kg]	0.708	0.769
psSAR10g [W/Kg]	0.300	0.321
Power Drift [dB]	-0.08	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.3
Dist 3dB Peak [mm]		8.0



Measurement Report for MF52e, CHEEK, Band n48, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 638000 (3569.995 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n48	5G NR FR1 TDD, 10903-AAD	3569.995, 638000	6.49	2.98	38.2

Hardware Setup

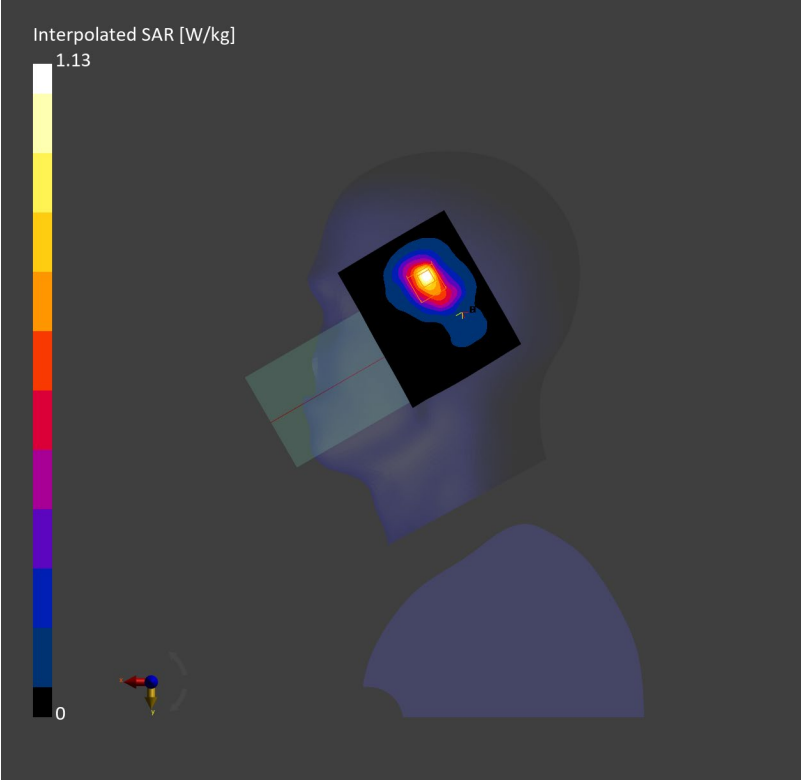
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-10, 12:26	2026-07-10, 12:32
psSAR1g [W/Kg]	0.774	0.857
psSAR10g [W/Kg]	0.324	0.326
Power Drift [dB]	0.06	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.8
Dist 3dB Peak [mm]		8.2



Measurement Report for MF52e, BACK, Band n48, 5G NR (DFT–s–OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 645332 (3679.975 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n48	5G NR FR1 TDD, 10903–AAD	3679.975, 645332	6.36	3.14	38.3

Hardware Setup

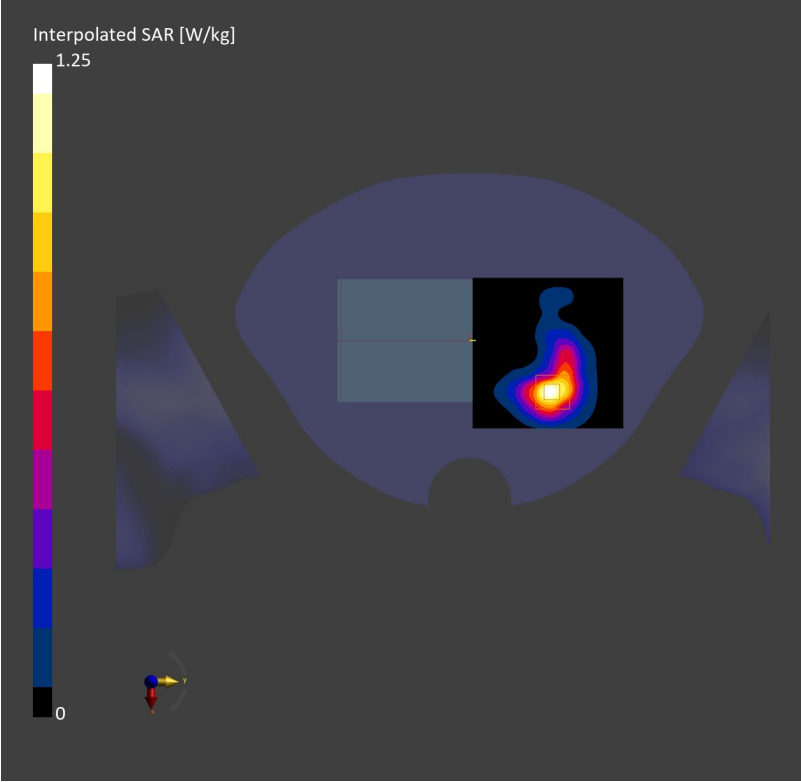
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL3700	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–11, 11:41	2026–07–11, 11:51
psSAR1g [W/Kg]	0.897	0.927
psSAR10g [W/Kg]	0.376	0.393
Power Drift [dB]	0.09	–0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		9.0



Measurement Report for Device, CHEEK, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 352000 (1760.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10942-AAC	1760.000, 352000	8.05	1.37	40.6

Hardware Setup

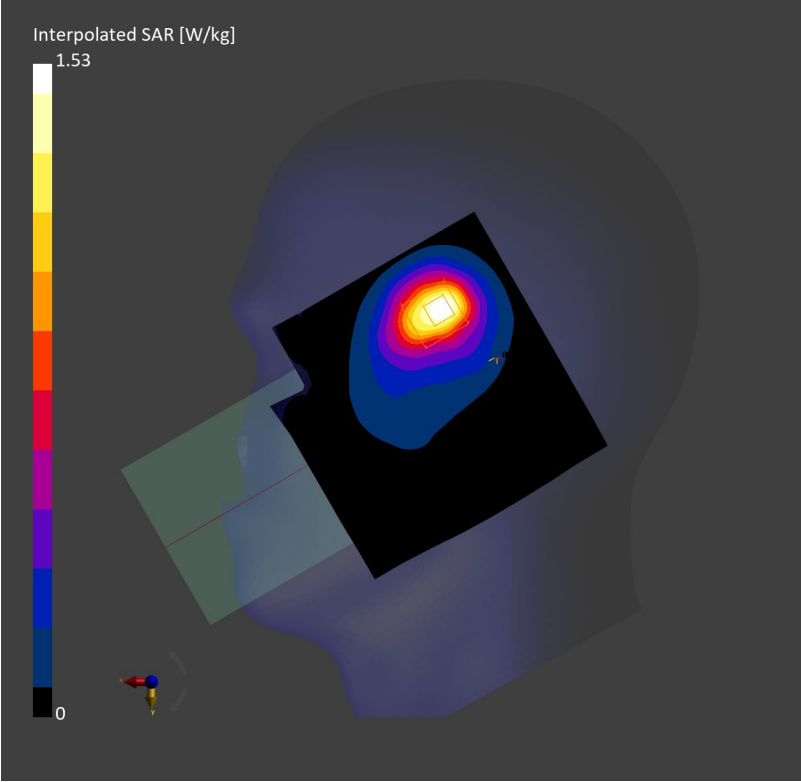
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-19, 15:47	2026-07-19, 15:54
psSAR1g [W/Kg]	1.20	1.24
psSAR10g [W/Kg]	0.648	0.653
Power Drift [dB]	0.01	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		11.3



Measurement Report for Device, BACK, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 346000 (1730.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n66	5G NR FR1 FDD, 10934-AAC	1730.000, 346000	8.05	1.35	40.6

Hardware Setup

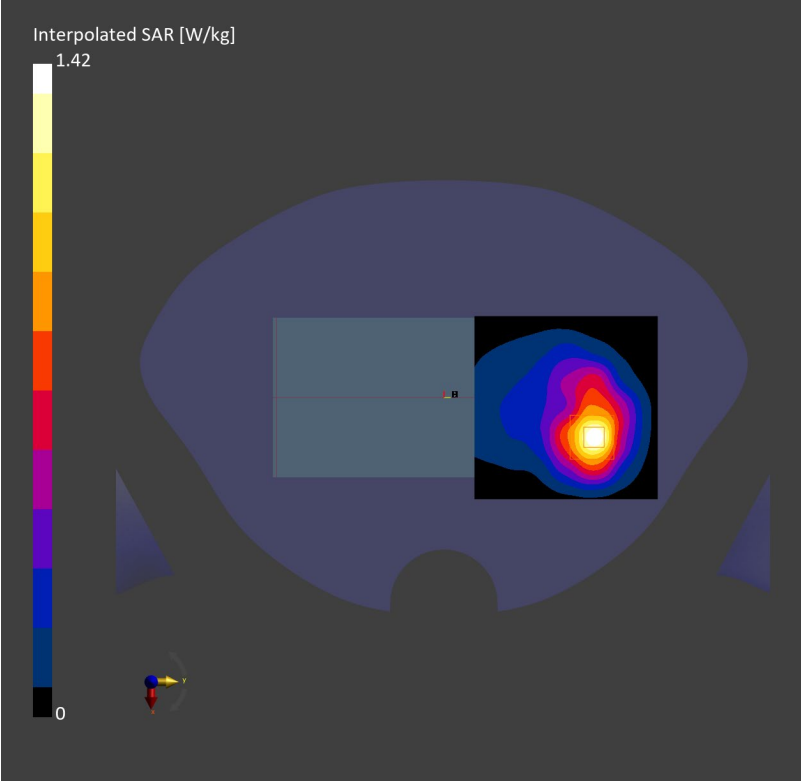
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-19, 15:22	2026-07-19, 15:25
psSAR1g [W/Kg]	1.13	1.17
psSAR10g [W/Kg]	0.607	0.601
Power Drift [dB]	0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.7
Dist 3dB Peak [mm]		10.8



Measurement Report for Device, CHEEK, Band n66, 5G NR (DFT–s–OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10934–AAC	1745.000, 349000	8.05	1.40	40.2

Hardware Setup

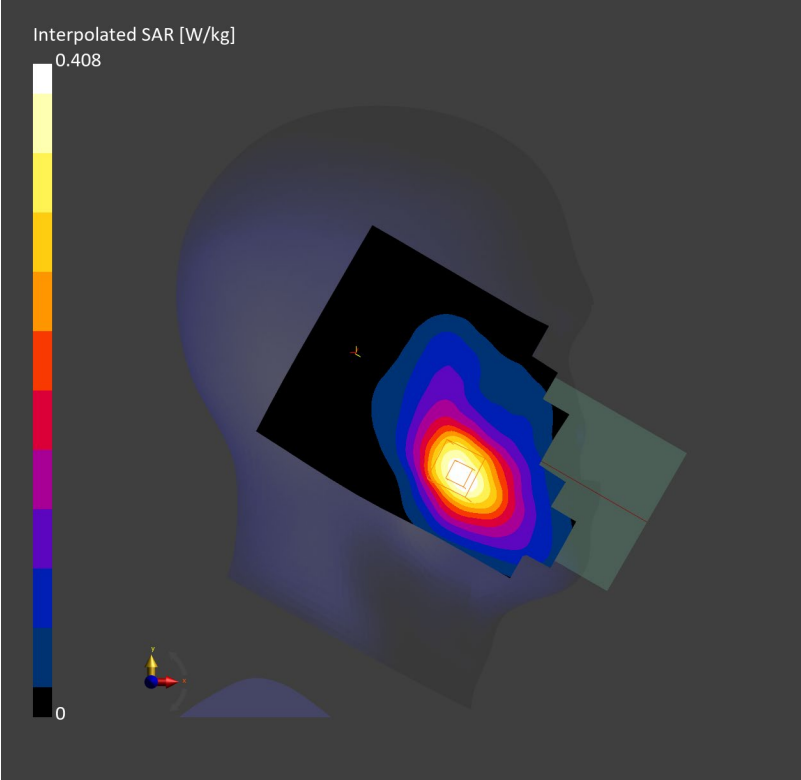
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–28, 22:17	2026–07–28, 22:23
psSAR1g [W/Kg]	0.337	0.365
psSAR10g [W/Kg]	0.201	0.228
Power Drift [dB]	–0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		66.6
Dist 3dB Peak [mm]		14.4



Measurement Report for Device, BACK, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.000, 349000	8.05	1.40	40.2

Hardware Setup

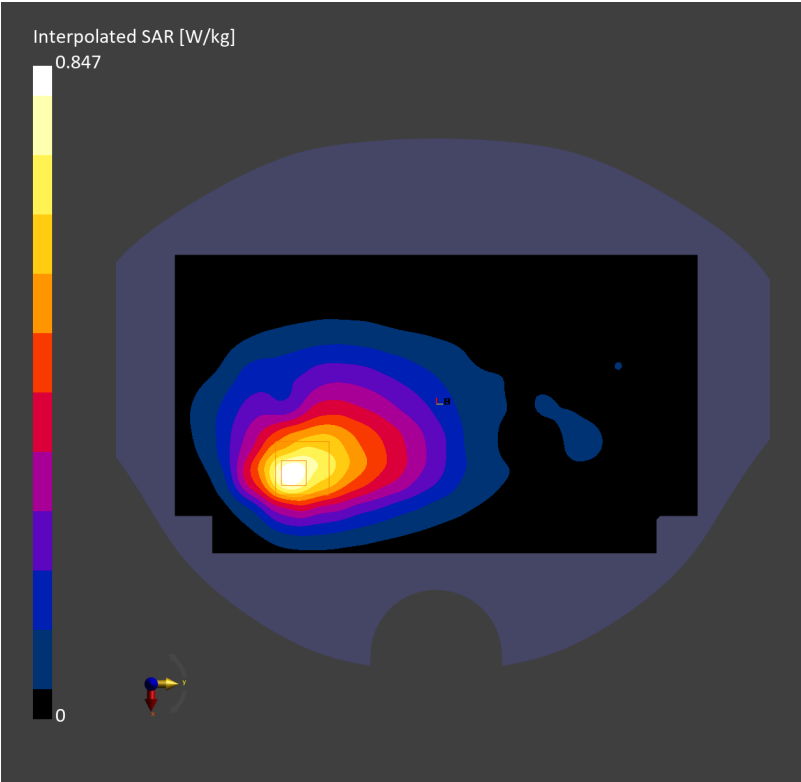
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-28, 18:15	2026-07-28, 18:18
psSAR1g [W/Kg]	0.682	0.712
psSAR10g [W/Kg]	0.389	0.408
Power Drift [dB]	-0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		14.4



Measurement Report for MF52e, CHEEK, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 136100 (680.500 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n71	5G NR FR1 FDD, 10939-AAC	680.500, 136100	9.72	0.901	43.3

Hardware Setup

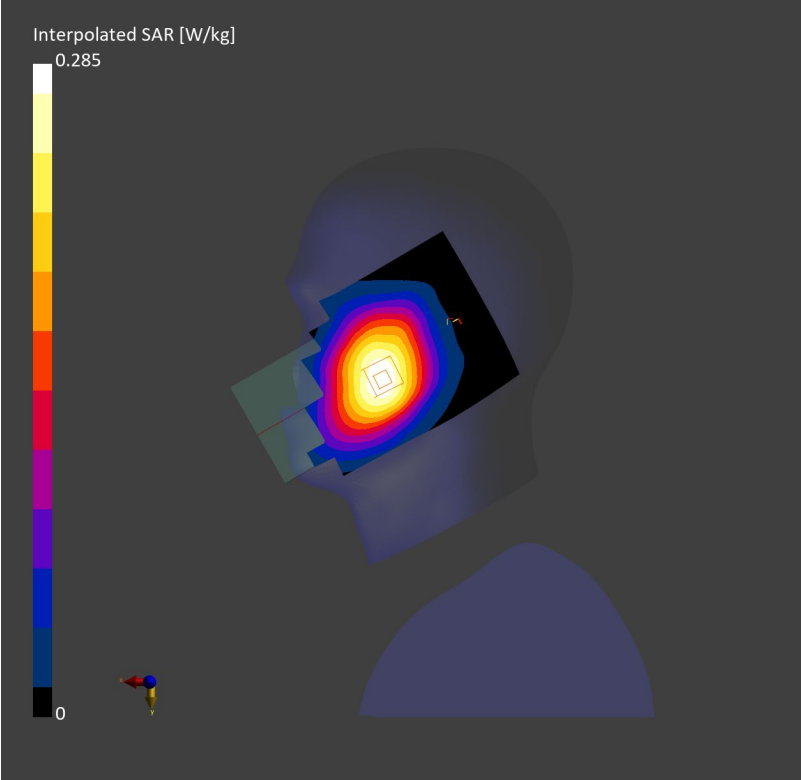
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 11:47	2026-06-12, 11:53
psSAR1g [W/Kg]	0.252	0.268
psSAR10g [W/Kg]	0.177	0.207
Power Drift [dB]	0.18	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		75.3
Dist 3dB Peak [mm]		> 16.0



Measurement Report for Device, BACK, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 137600 (688.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n71	5G NR FR1 FDD, 10939-AAC	688.000, 137600	9.72	0.903	43.3

Hardware Setup

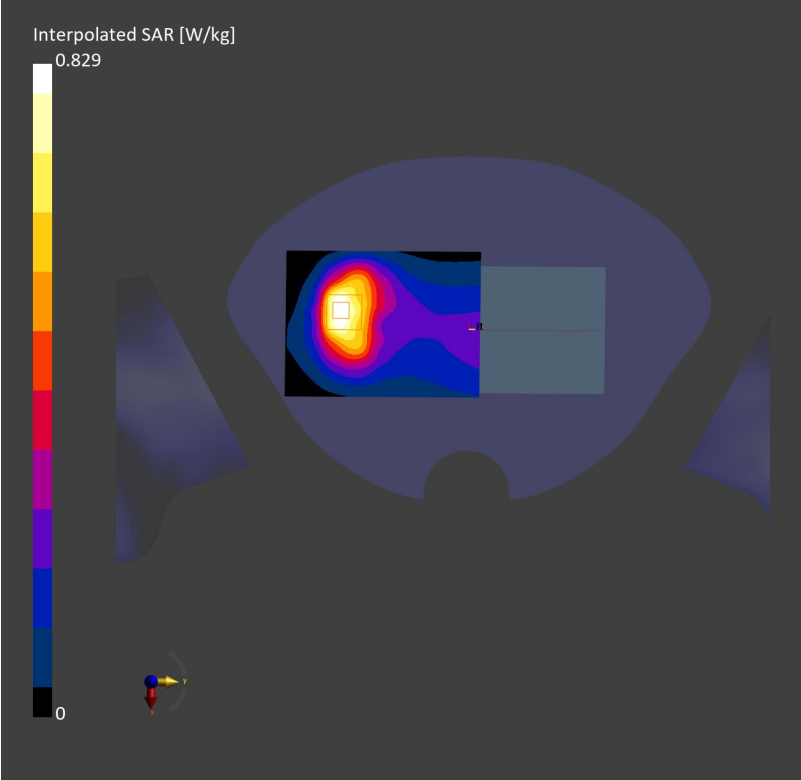
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL1750	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 105.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-12, 17:47	2026-06-12, 17:51
psSAR1g [W/Kg]	0.724	0.875
psSAR10g [W/Kg]	0.470	0.461
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		44.8
Dist 3dB Peak [mm]		8.3



Measurement Report for MF52e, CHEEK, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.49	2.92	38.4

Hardware Setup

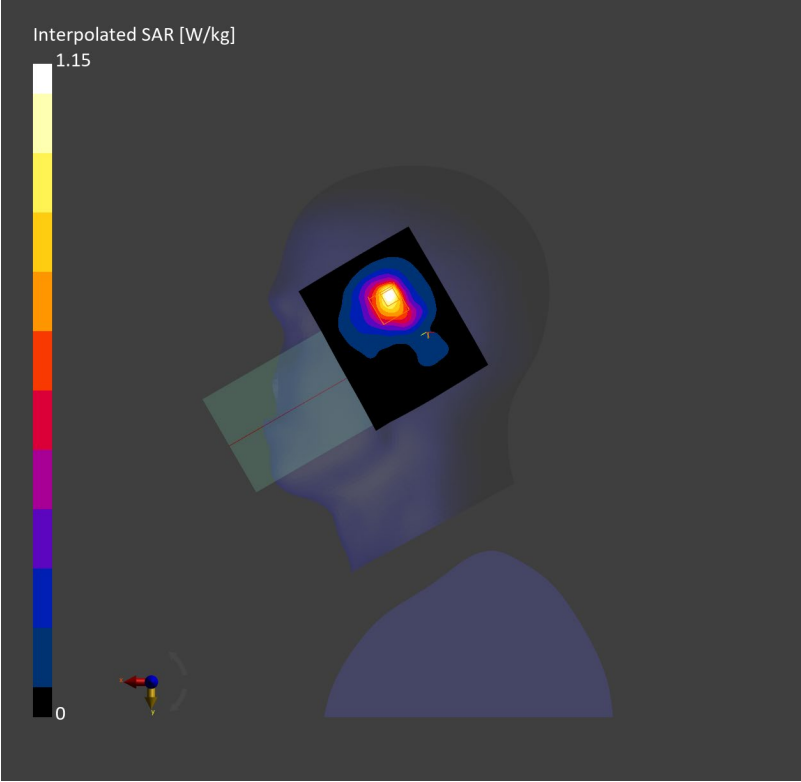
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-10, 15:45	2026-07-10, 15:51
psSAR1g [W/Kg]	0.808	0.911
psSAR10g [W/Kg]	0.353	0.355
Power Drift [dB]	0.00	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		8.1



Measurement Report for MF52e, BACK, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.49	2.92	38.4

Hardware Setup

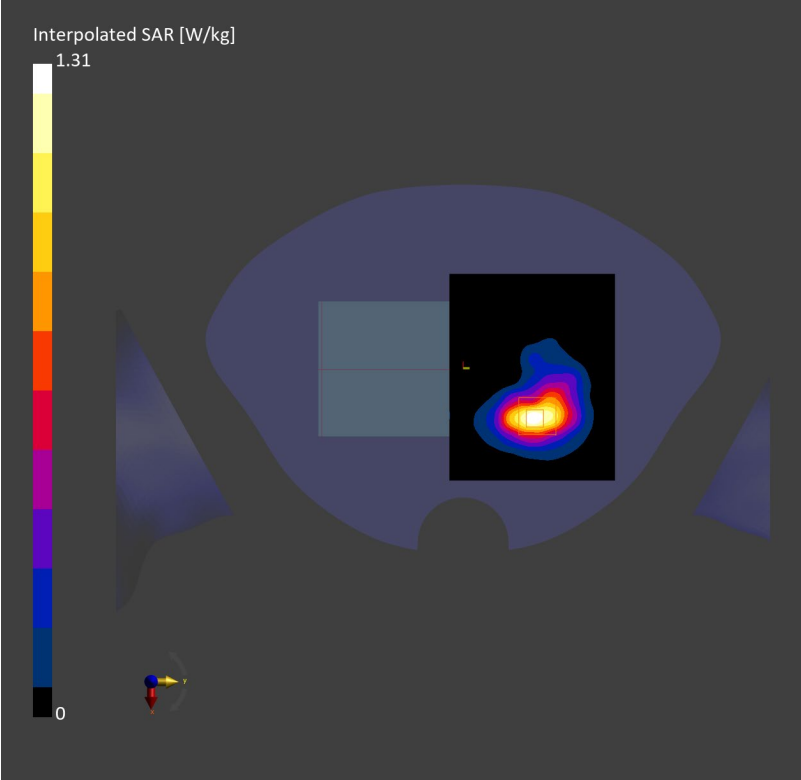
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-10, 16:04	2026-07-10, 16:09
psSAR1g [W/Kg]	0.953	0.999
psSAR10g [W/Kg]	0.420	0.431
Power Drift [dB]	-0.07	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		9.5



Measurement Report for MF52e, CHEEK, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 650000 (3750.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3750.000, 650000	6.36	3.23	38.3

Hardware Setup

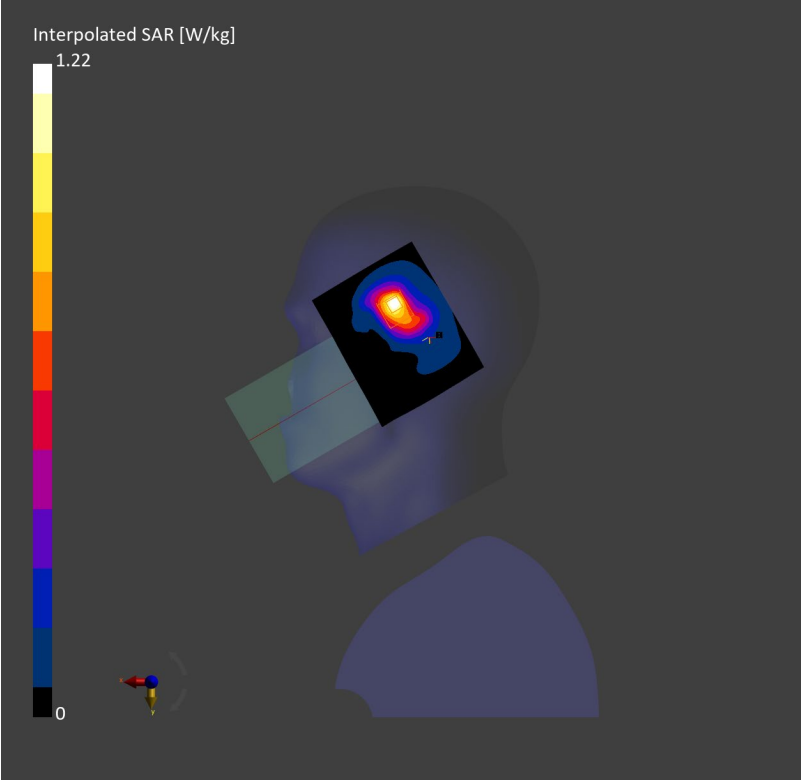
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3700	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-12, 17:28	2026-07-12, 17:34
psSAR1g [W/Kg]	0.853	0.973
psSAR10g [W/Kg]	0.361	0.366
Power Drift [dB]	0.19	0.18
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		8.2



Measurement Report for MF52e, BACK, Band n77, 5G NR (DFT–s–OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 662000 (3930.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n77	5G NR FR1 TDD, 10917–AAD	3930.000, 662000	6.26	3.38	38.1

Hardware Setup

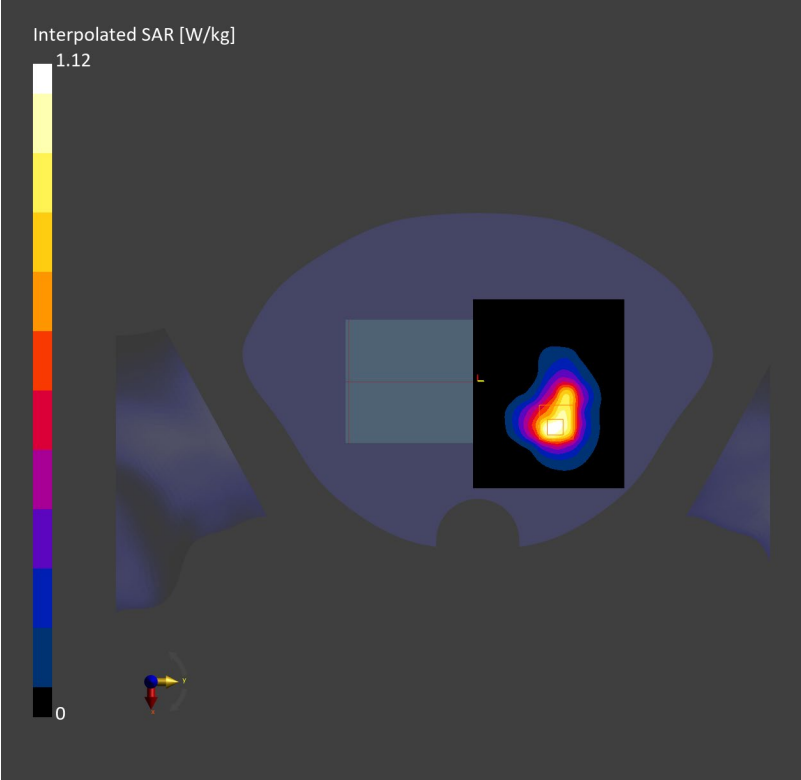
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V8.0 (30deg probe tilt) – 2173	HSL3900	EX3DV4 – SN7812, 2026–01–19	DAE4ip Sn1847, 2026–03–17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–09, 16:59	2026–07–09, 17:04
psSAR1g [W/Kg]	0.827	0.863
psSAR10g [W/Kg]	0.366	0.365
Power Drift [dB]	0.05	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.8
Dist 3dB Peak [mm]		10.9



Measurement Report for MF52e, CHEEK, Band n77, 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.49	2.94	38.2

Hardware Setup

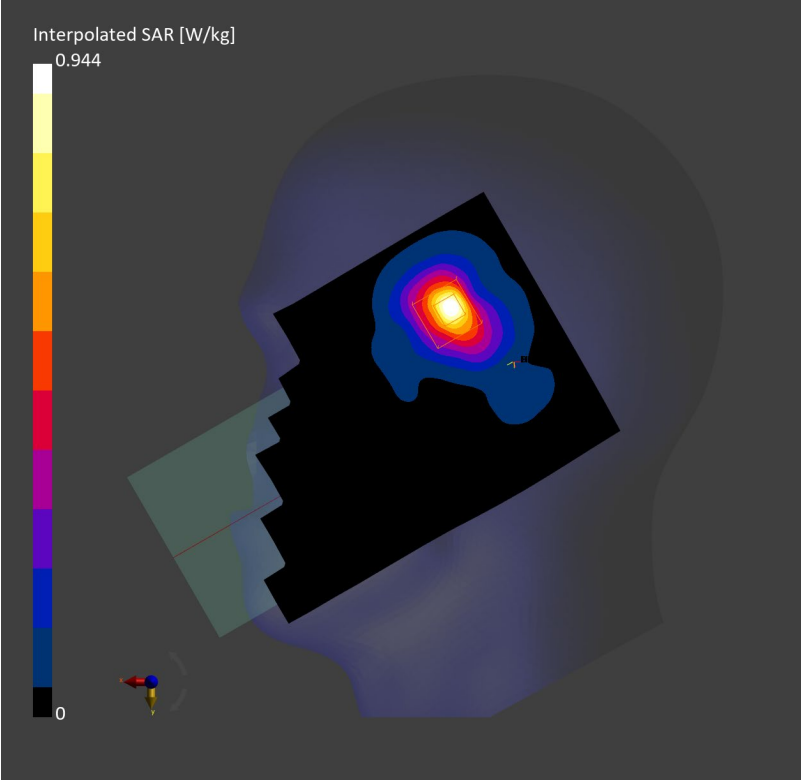
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-21, 17:52	2026-07-21, 17:58
psSAR1g [W/Kg]	0.654	0.717
psSAR10g [W/Kg]	0.269	0.283
Power Drift [dB]	-0.17	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		8.3



Measurement Report for MF52e, BACK, Band n77, 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.49	2.94	38.2

Hardware Setup

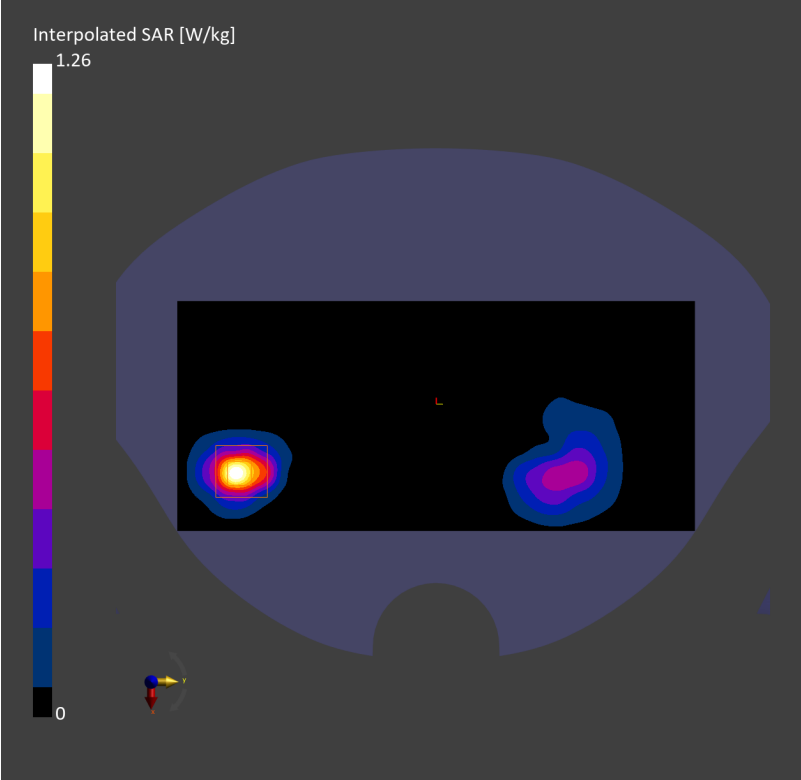
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3500	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 200.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-21, 18:58	2026-07-21, 19:03
psSAR1g [W/Kg]	0.829	0.871
psSAR10g [W/Kg]	0.295	0.330
Power Drift [dB]	0.01	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.8
Dist 3dB Peak [mm]		8.0



Measurement Report for MF52e, CHEEK, Band n77, 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 650000 (3750.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n77	5G NR FR1 TDD, 10866-AAF	3750.000, 650000	6.36	3.22	38.1

Hardware Setup

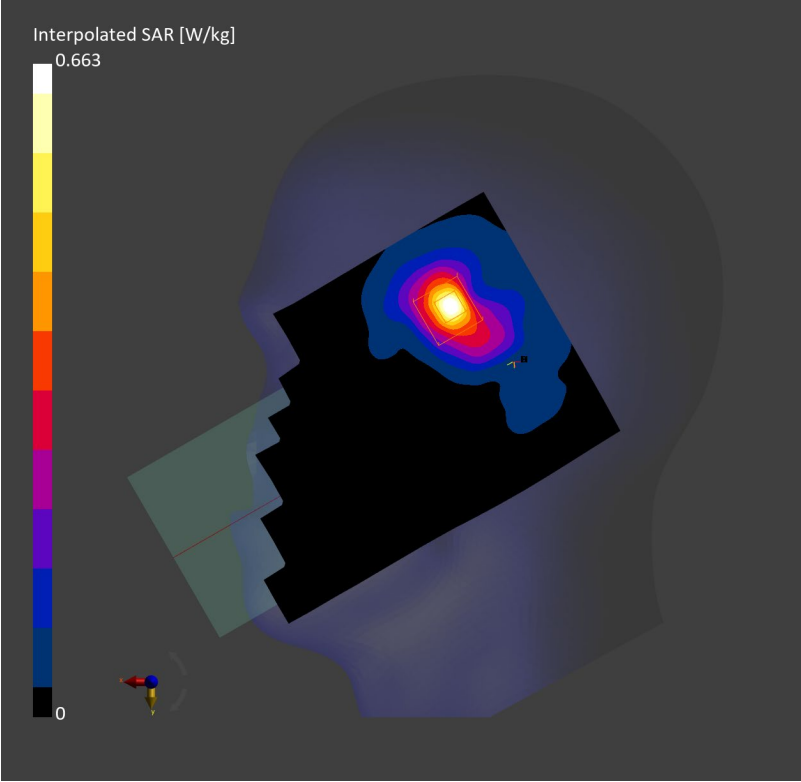
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3700	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-22, 18:18	2026-07-22, 18:24
psSAR1g [W/Kg]	0.450	0.472
psSAR10g [W/Kg]	0.178	0.178
Power Drift [dB]	-0.08	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.7
Dist 3dB Peak [mm]		8.0



Measurement Report for MF52e, BACK, Band n77, 5G NR (CP-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) RBPosition:Low AntennaCfg:SISO, Channel 662000 (3930.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	Band n77	5G NR FR1 TDD, 10917-AAD	3930.000, 662000	6.26	3.42	37.9

Hardware Setup

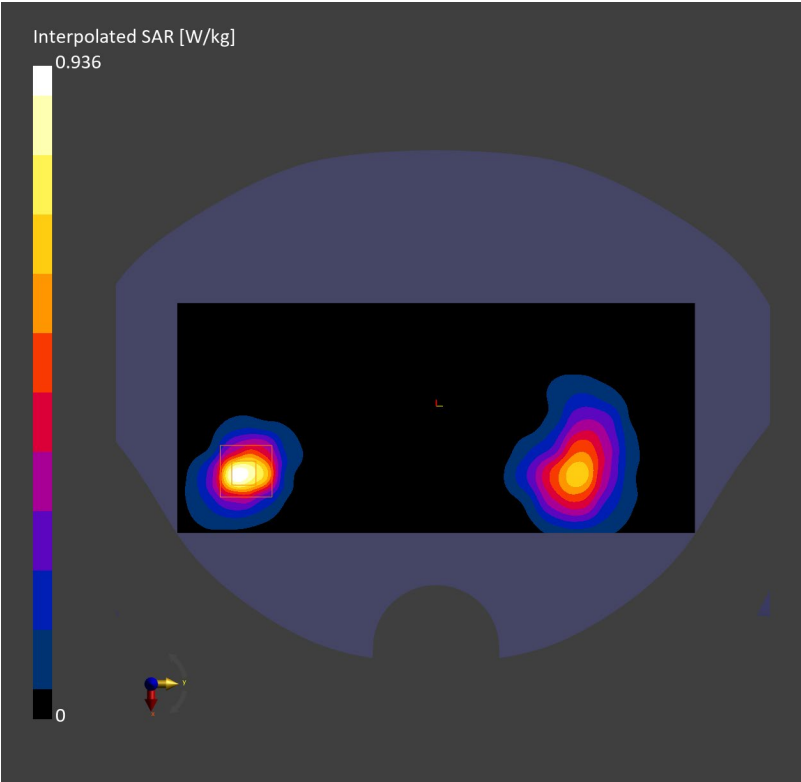
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL3900	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 200.0	30.0 x 30.0 x 24.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 3.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-23, 19:32	2026-07-23, 19:37
psSAR1g [W/Kg]	0.662	0.815
psSAR10g [W/Kg]	0.249	0.284
Power Drift [dB]	0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		7.1



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	6.97	1.81	39.4

Hardware Setup

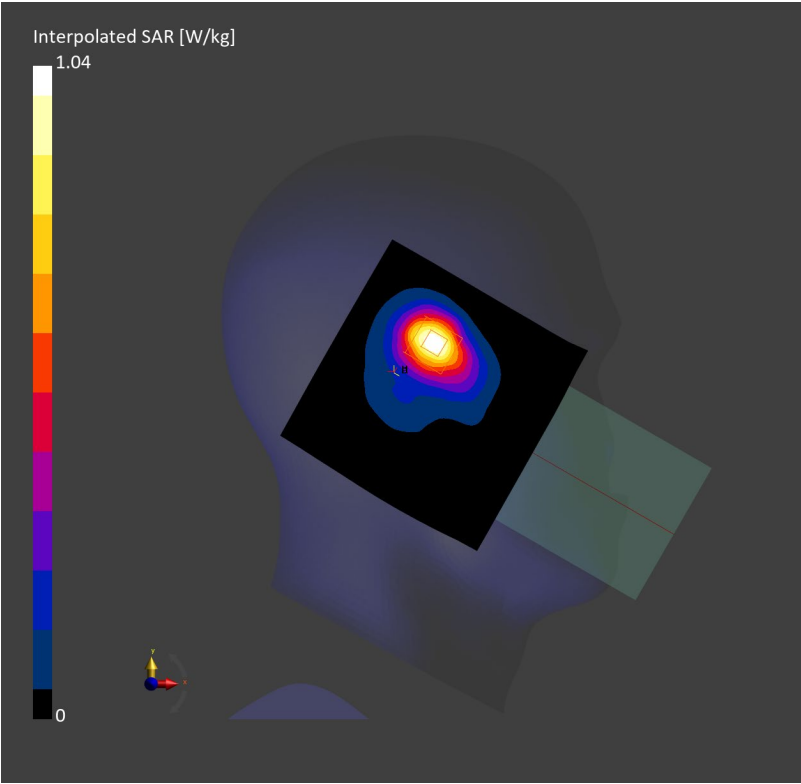
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 120.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 20:19	2026-06-02, 20:25
psSAR1g [W/Kg]	0.806	0.809
psSAR10g [W/Kg]	0.398	0.392
Power Drift [dB]	-0.13	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		10.2



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	6.97	1.81	39.4

Hardware Setup

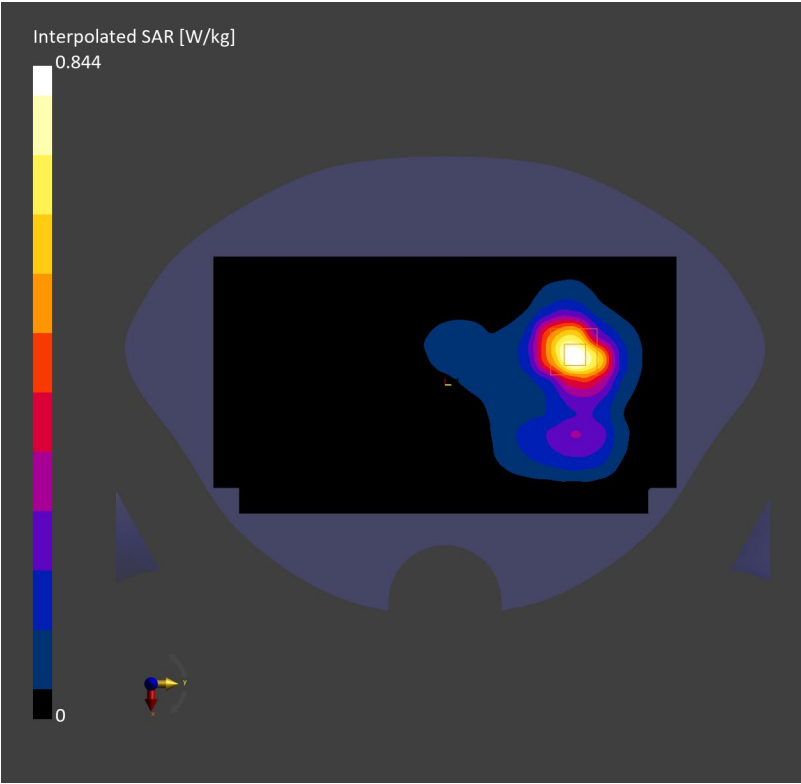
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 11:04	2026-06-02, 11:09
psSAR1g [W/Kg]	0.667	0.691
psSAR10g [W/Kg]	0.328	0.324
Power Drift [dB]	-0.04	-0.16
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.1
Dist 3dB Peak [mm]		9.9



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	6.97	1.81	39.4

Hardware Setup

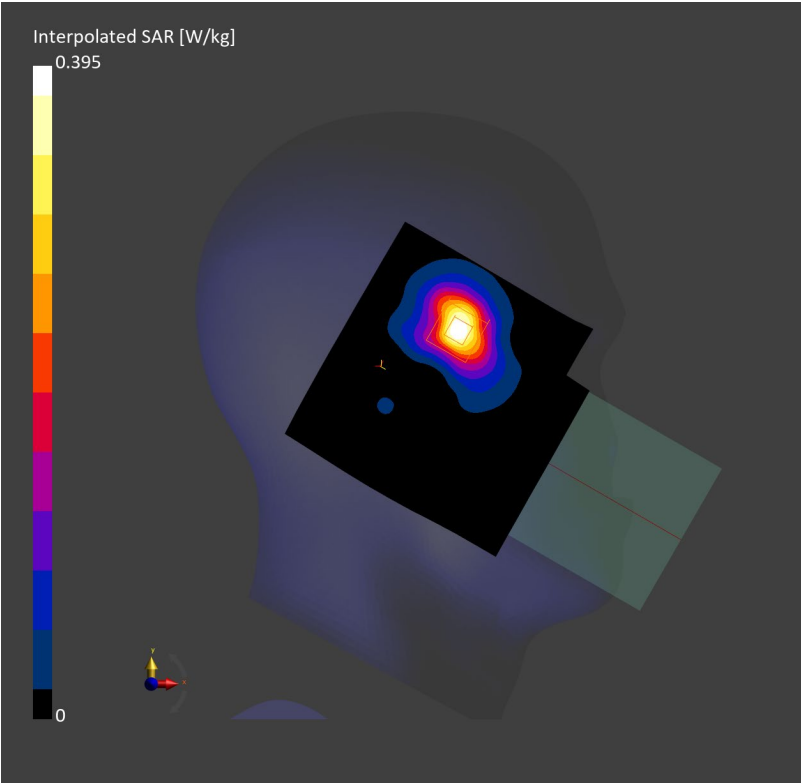
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 16:11	2026-06-02, 16:18
psSAR1g [W/Kg]	0.302	0.320
psSAR10g [W/Kg]	0.147	0.147
Power Drift [dB]	0.09	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.8
Dist 3dB Peak [mm]		10.2



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	6.97	1.81	39.4

Hardware Setup

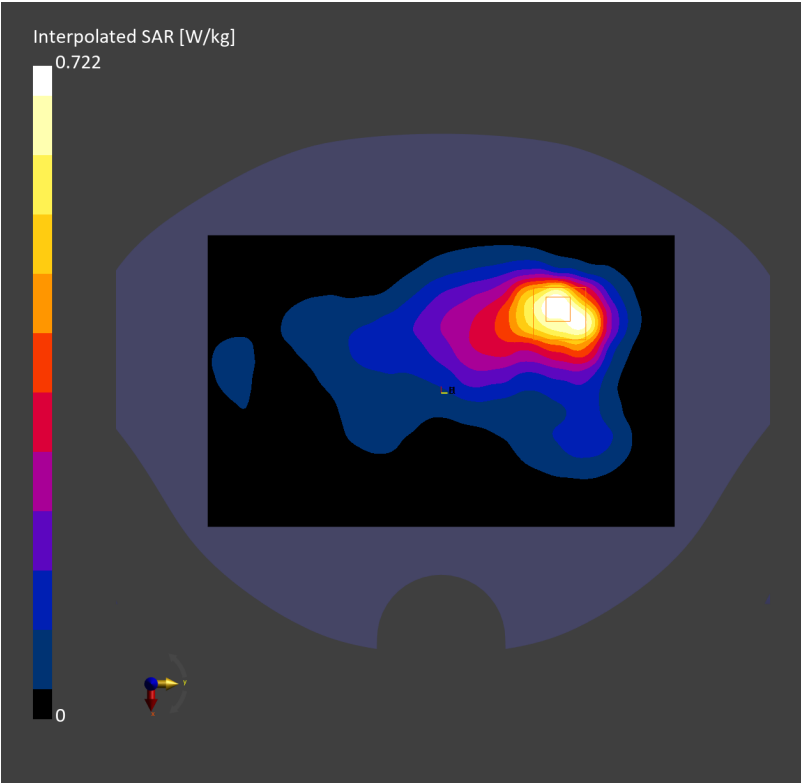
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 170.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 16:58	2026-06-02, 17:04
psSAR1g [W/Kg]	0.583	0.651
psSAR10g [W/Kg]	0.315	0.314
Power Drift [dB]	-0.12	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		41.8
Dist 3dB Peak [mm]		7.7



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10671 – AAC	2462.000, 11	6.97	1.81	39.4

Hardware Setup

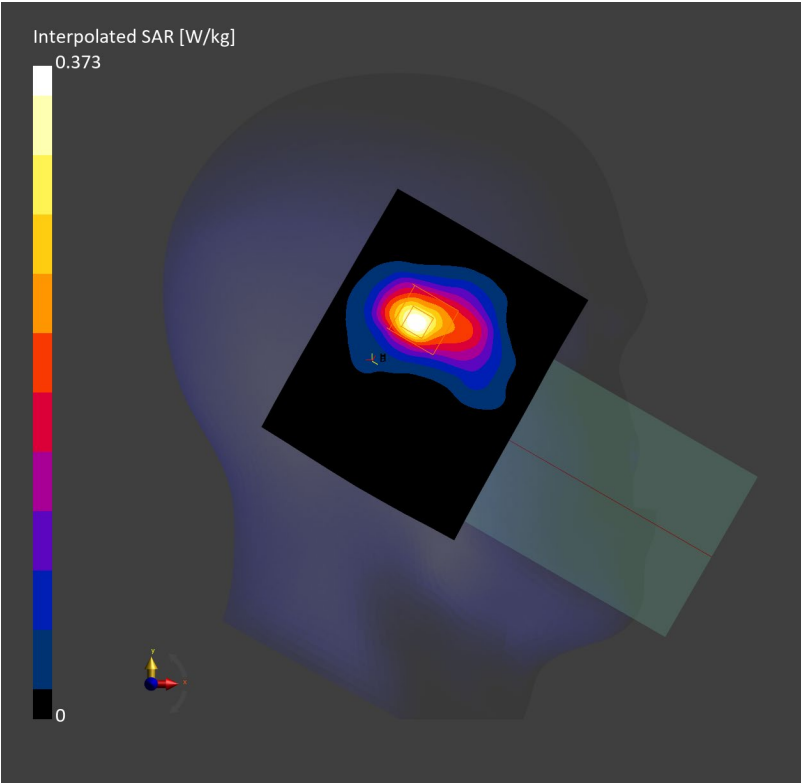
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	108.0 x 96.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 10:20	2026-06-02, 10:26
psSAR1g [W/Kg]	0.276	0.276
psSAR10g [W/Kg]	0.130	0.122
Power Drift [dB]	0.04	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.7
Dist 3dB Peak [mm]		9.4



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	WLAN 2.4GHz	WLAN, 10671-AAC	2462.000, 11	6.97	1.81	39.4

Hardware Setup

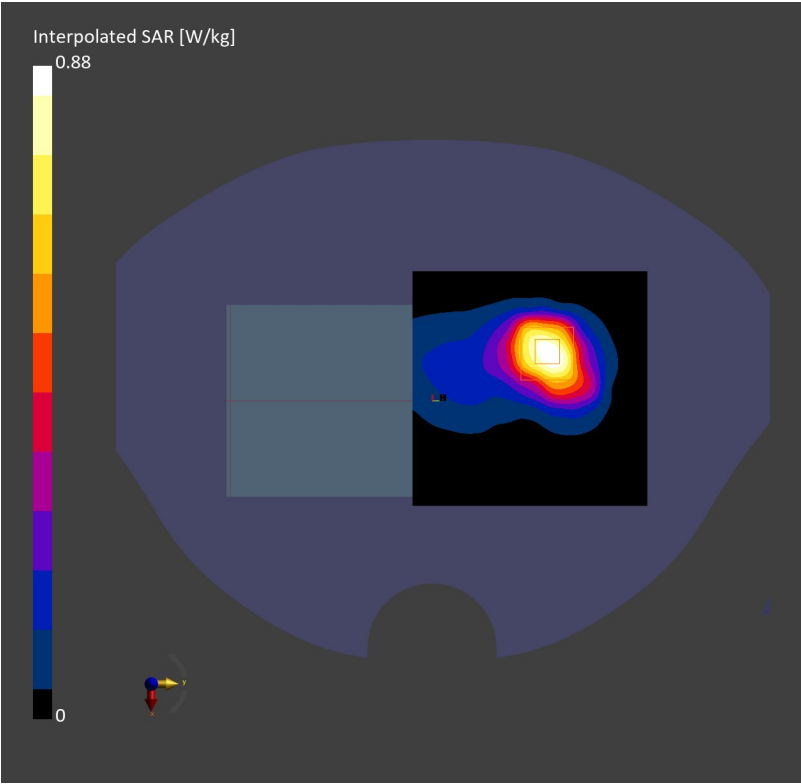
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 84.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 09:55	2026-06-02, 10:00
psSAR1g [W/Kg]	0.708	0.764
psSAR10g [W/Kg]	0.360	0.366
Power Drift [dB]	-0.16	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		46.8
Dist 3dB Peak [mm]		8.3



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5775.000, 155	4.52	5.41	35.3

Hardware Setup

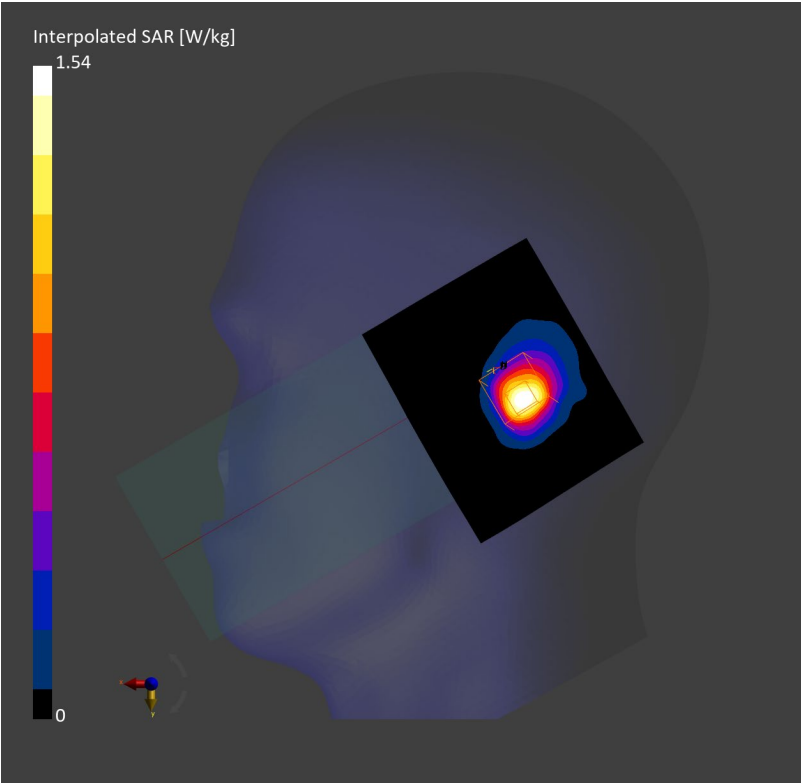
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 80.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-27, 22:10	2026-06-27, 22:17
psSAR1g [W/Kg]	1.09	1.07
psSAR10g [W/Kg]	0.380	0.386
Power Drift [dB]	0.13	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.5
Dist 3dB Peak [mm]		9.2



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	U-NII-1, U-NII-2A	WLAN, 10544-AAD	5210.000, 42	5.05	4.83	36.6

Hardware Setup

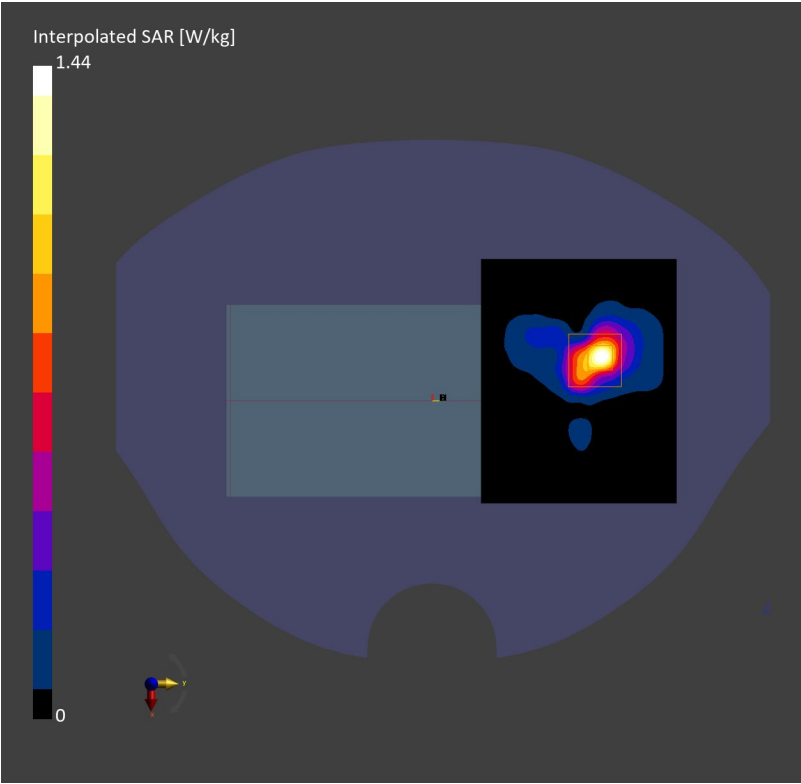
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 80.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-26, 11:35	2026-06-26, 11:42
psSAR1g [W/Kg]	0.910	0.988
psSAR10g [W/Kg]	0.292	0.325
Power Drift [dB]	0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.0
Dist 3dB Peak [mm]		6.3



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	U-NII-3 Standalone	WLAN, 10062-CAE	5785.000, 157	4.52	5.39	35.3

Hardware Setup

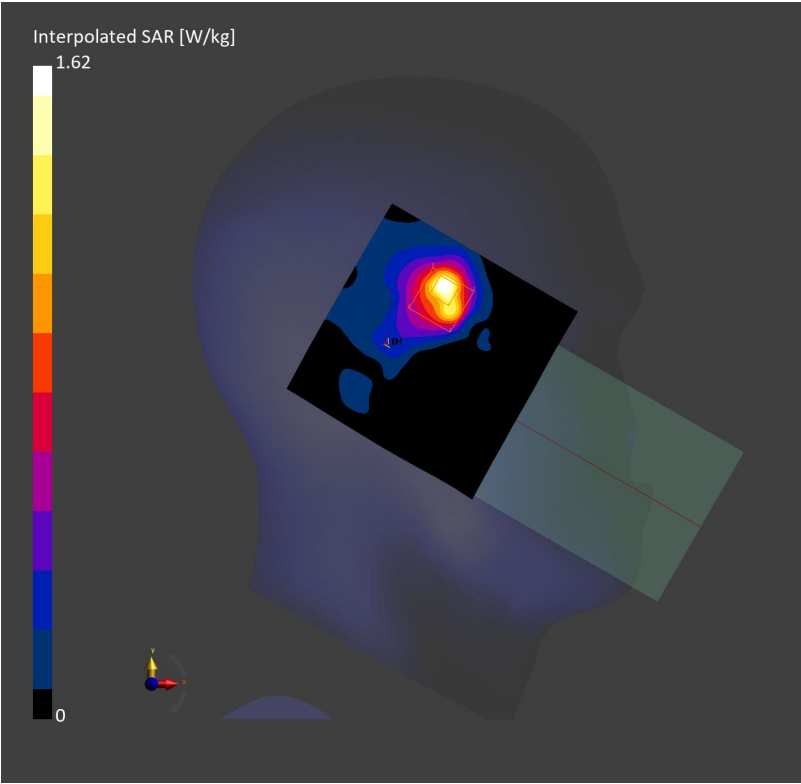
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-27, 10:18	2026-06-27, 10:26
psSAR1g [W/Kg]	1.09	1.08
psSAR10g [W/Kg]	0.398	0.404
Power Drift [dB]	0.15	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		8.6



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	U-NII-1, U-NII-2A	WLAN, 10544-AAD	5210.000, 42	5.05	4.83	36.6

Hardware Setup

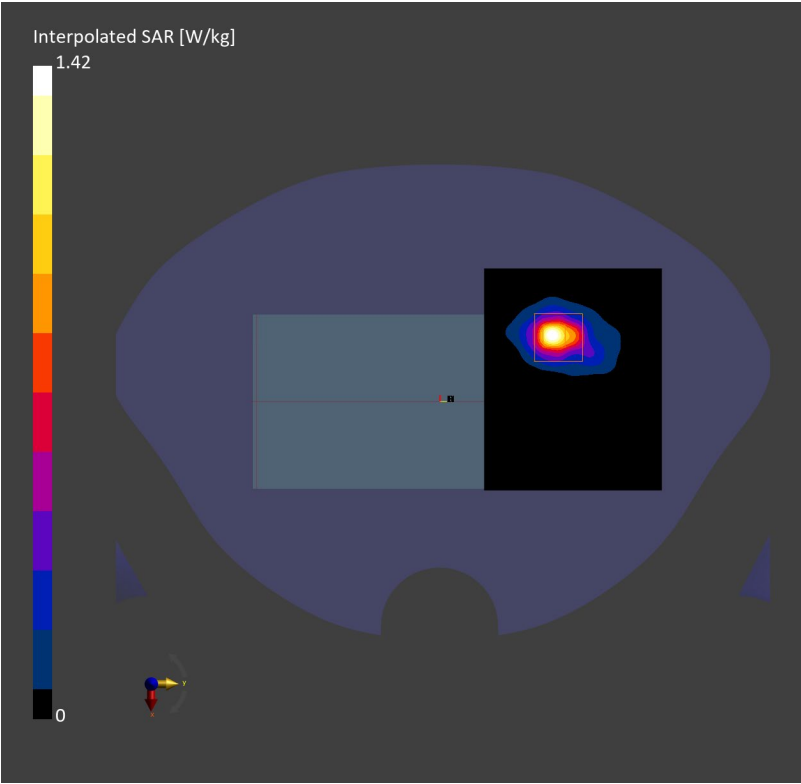
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 80.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-26, 15:01	2026-06-26, 15:12
psSAR1g [W/Kg]	0.885	0.988
psSAR10g [W/Kg]	0.265	0.299
Power Drift [dB]	0.08	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		5.7



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	U-NII-1, U-NII-2A	WLAN, 10591-AAD	5260.000, 52	5.05	4.86	36.6

Hardware Setup

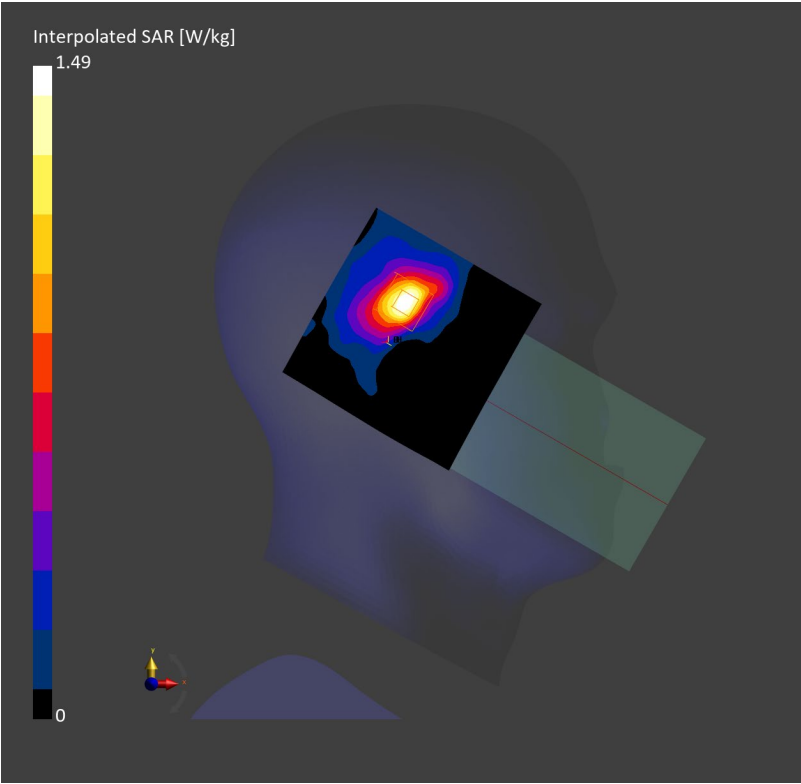
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-26, 11:17	2026-06-26, 11:24
psSAR1g [W/Kg]	1.06	1.07
psSAR10g [W/Kg]	0.407	0.391
Power Drift [dB]	0.09	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		7.6



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	U-NII-1, U-NII-2A	WLAN, 10544-AAD	5290.000, 58	5.05	4.86	36.5

Hardware Setup

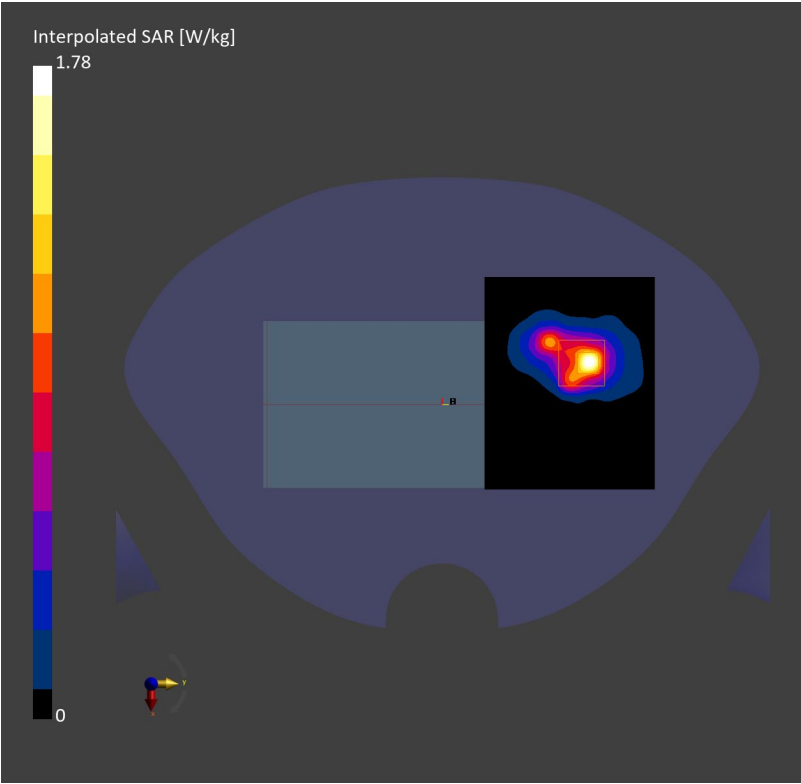
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-0317

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 80.0	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	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-26, 10:34	2026-06-26, 10:46
psSAR1g [W/Kg]	1.10	1.17
psSAR10g [W/Kg]	0.378	0.401
Power Drift [dB]	0.09	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		6.8



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	TILT, 0.00	U-NII-5	WLAN, 10755-AAC	6025.000, 15	5.17	5.50	35.6

Hardware Setup

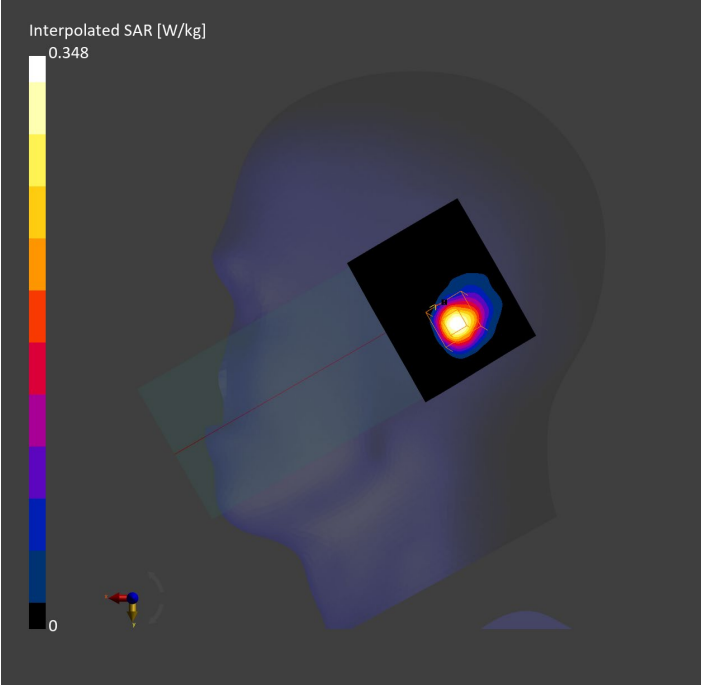
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 60.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 21:26	2026-06-14, 21:37
psSAR1g [W/kg]	0.252	0.276
psSAR10g [W/kg]	0.085	0.083
psAPD (1.0cm2, sq) [W/m2]		2.76
psAPD (4.0cm2, sq) [W/m2]		1.95
Power Drift [dB]	-0.17	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		8.9



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE TOP, 5.00	U-NII-5	WLAN, 10755-AAC	6345.000, 79	5.17	5.87	34.7

Hardware Setup

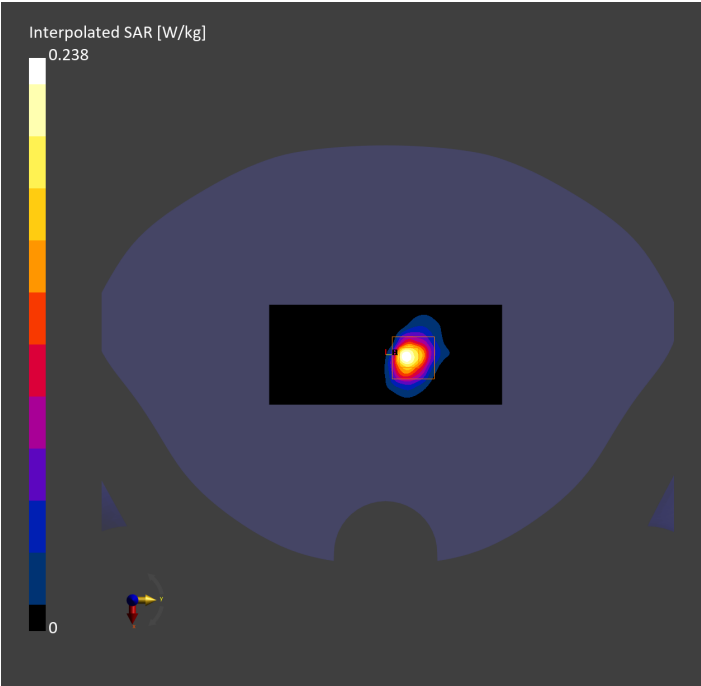
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 119.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 20:10	2026-06-14, 20:19
psSAR1g [W/kg]	0.165	0.208
psSAR10g [W/kg]	0.047	0.060
psAPD (1.0cm2, sq) [W/m2]		2.08
psAPD (4.0cm2, sq) [W/m2]		1.39
Power Drift [dB]	0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.3
Dist 3dB Peak [mm]		6.7



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	U-NII-7	WLAN, 10755-AAC	6825.000, 175	5.17	6.45	33.4

Hardware Setup

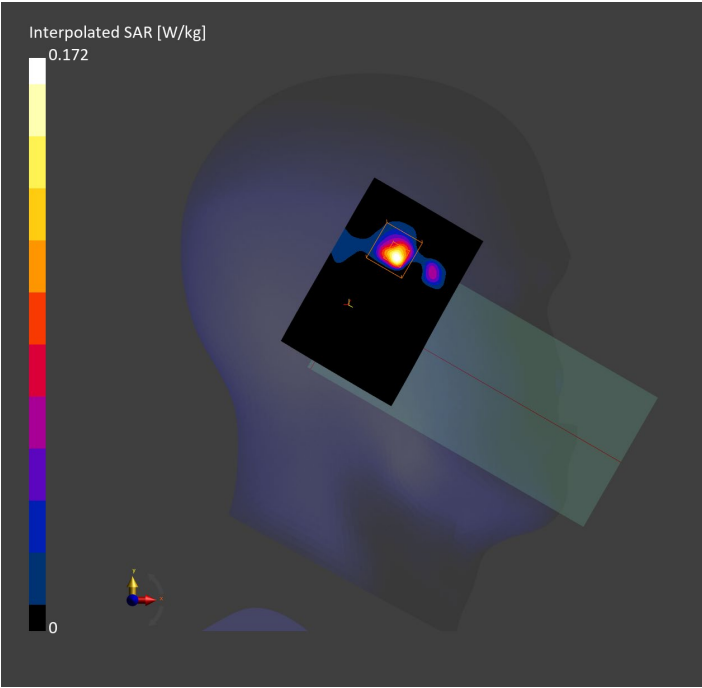
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 68.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 20:35	2026-06-14, 20:48
psSAR1g [W/kg]	0.105	0.105
psSAR10g [W/kg]	0.024	0.024
psAPD (1.0cm2, sq) [W/m2]		1.05
psAPD (4.0cm2, sq) [W/m2]		0.577
Power Drift [dB]	0.07	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		4.8



Test Laboratory: TOWE Lab

Measurement Report for MF52e, EDGE RIGHT, U-NII-6, IEEE 802.11ax (160MHz, MCS0), Channel 111 (6505.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	U-NII-6	WLAN, 10755-AAC	6505.000, 111	5.17	6.11	34.3

Hardware Setup

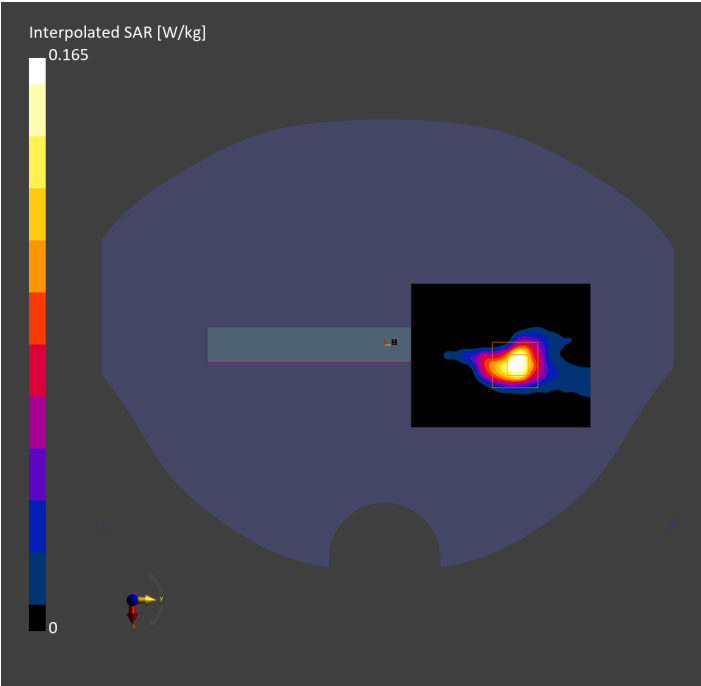
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 19:43	2026-06-14, 19:53
psSAR1g [W/kg]	0.124	0.153
psSAR10g [W/kg]	0.038	0.043
psAPD (1.0cm2, sq) [W/m2]		1.53
psAPD (4.0cm2, sq) [W/m2]		0.997
Power Drift [dB]	0.04	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		5.9



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	TILT, 0.00	U-NII-5	WLAN, 10755-AAC	6345.000, 79	5.17	5.87	34.7

Hardware Setup

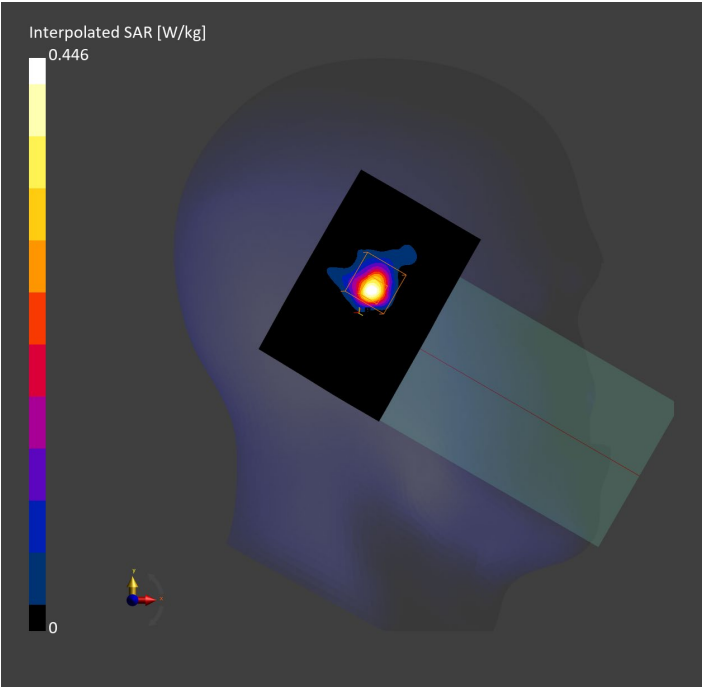
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 60.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 21:04	2026-06-14, 21:15
psSAR1g [W/kg]	0.288	0.287
psSAR10g [W/kg]	0.074	0.072
psAPD (1.0cm2, sq) [W/m2]		2.87
psAPD (4.0cm2, sq) [W/m2]		1.72
Power Drift [dB]	0.14	0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.4
Dist 3dB Peak [mm]		6.1



Test Laboratory: TOWE Lab

Measurement Report for MF52e, EDGE TOP, U-NII-5, IEEE 802.11ax (160MHz, MCS0), Channel 79 (6345.000 MHz)

Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE TOP, 5.00	U-NII-5	WLAN, 10755-AAC	6345.000, 79	5.17	5.87	34.7

Hardware Setup

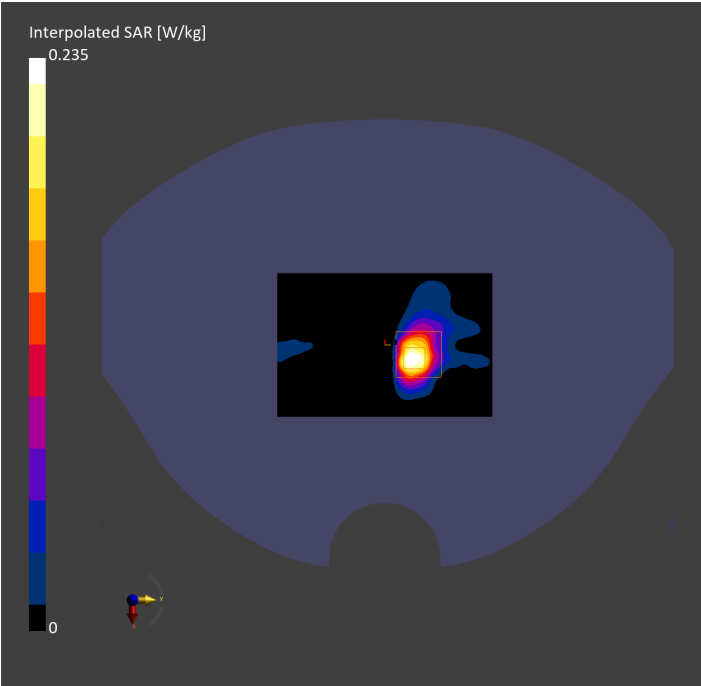
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2173	HSL6.5GHz	EX3DV4 – SN7812, 2026-01-19	DAE4ip Sn1847, 2026-03-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-14, 18:33	2026-06-14, 18:42
psSAR1g [W/kg]	0.176	0.195
psSAR10g [W/kg]	0.053	0.056
psAPD (1.0cm2, sq) [W/m2]		1.95
psAPD (4.0cm2, sq) [W/m2]		1.31
Power Drift [dB]	0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		5.9



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP, 2.00	U-NII-5	WLAN, 10755-AAC	6345.0, 79	1.0

Hardware Setup

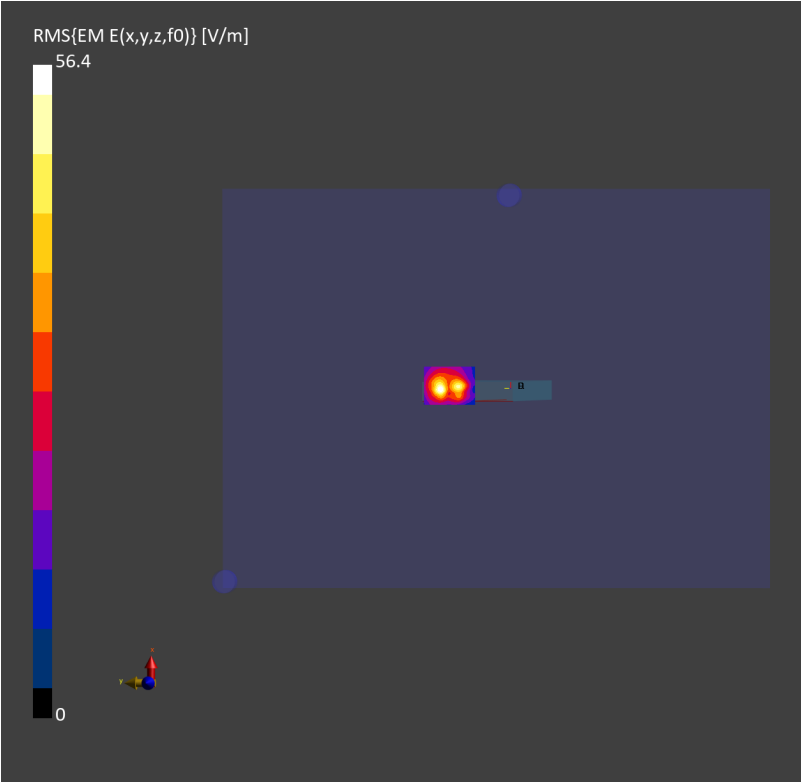
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1121	Air –	EUmmWV4 – SN9455_F1–55GHz, 2025–06–30	DAE4ip Sn1847, 2026–03–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	30.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2026–06–24, 22:02
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.64
psPDtot+ [W/m ²]	3.77
psPDmod+ [W/m ²]	4.13
E _{max} [V/m]	56.4
Power Drift [dB]	–0.16



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE RIGHT, 2.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	1.0

Hardware Setup

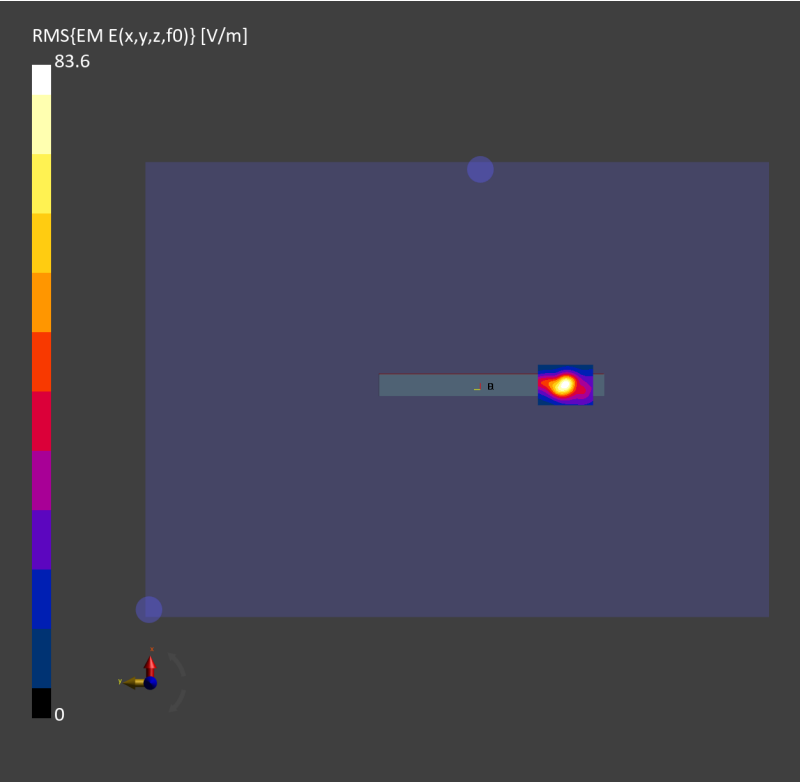
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1121	Air –	EUmmWV4 – SN9455_F1–55GHz, 2025–06–30	DAE4ip Sn1847, 2026–03–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	30.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2026–06–25, 03:47
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.41
psPDtot+ [W/m ²]	4.70
psPDmod+ [W/m ²]	5.63
E _{max} [V/m]	83.6
Power Drift [dB]	–0.14



Device Under Test Properties

Model	Dimensions [mm]
Device	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE RIGHT, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

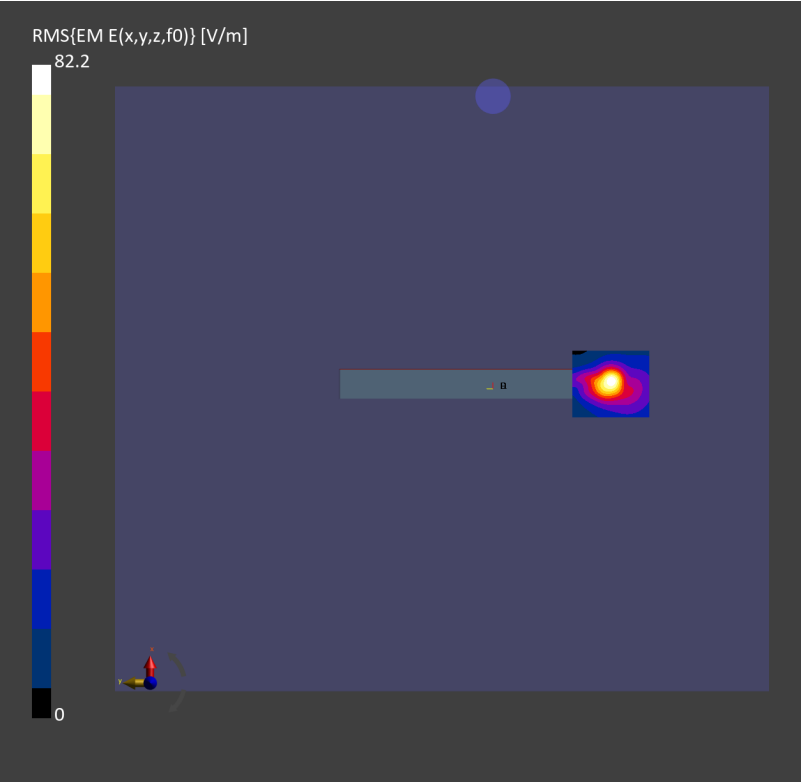
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1121	Air –	EUmmWV4 – SN9455_F1–55GHz, 2025–06–30	DAE4ip Sn1847, 2026–03–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	35.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2026–06–25, 18:38
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.94
psPDtot+ [W/m ²]	5.21
psPDmod+ [W/m ²]	5.90
E _{max} [V/m]	82.2
Power Drift [dB]	–0.02



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.000, 0	6.97	1.74	39.5

Hardware Setup

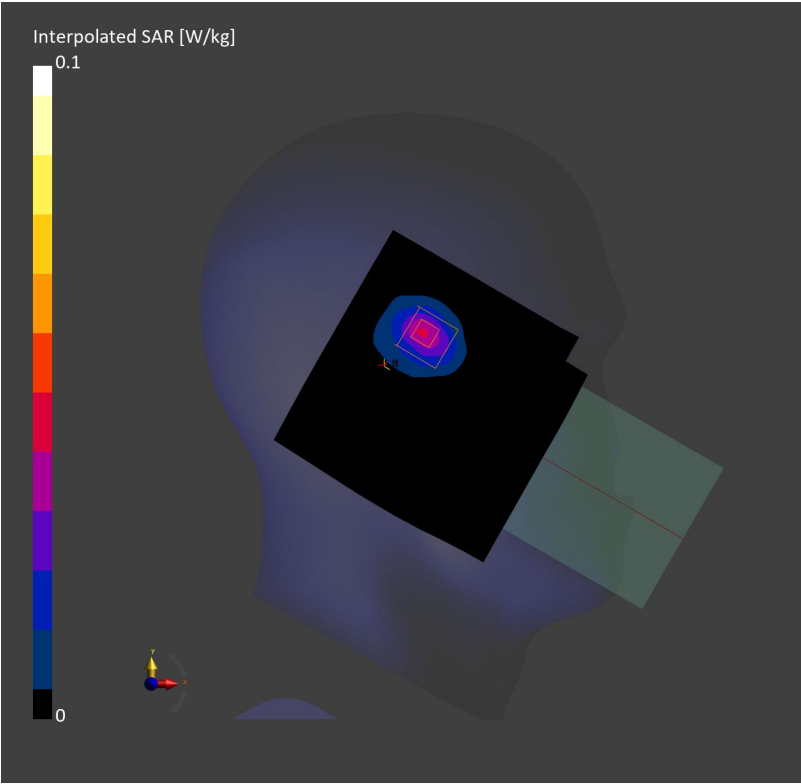
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 15:32	2026-06-02, 15:38
psSAR1g [W/Kg]	0.032	0.031
psSAR10g [W/Kg]	0.015	0.013
Power Drift [dB]	-0.09	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		9.8



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 5.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.000, 0	6.97	1.74	39.5

Hardware Setup

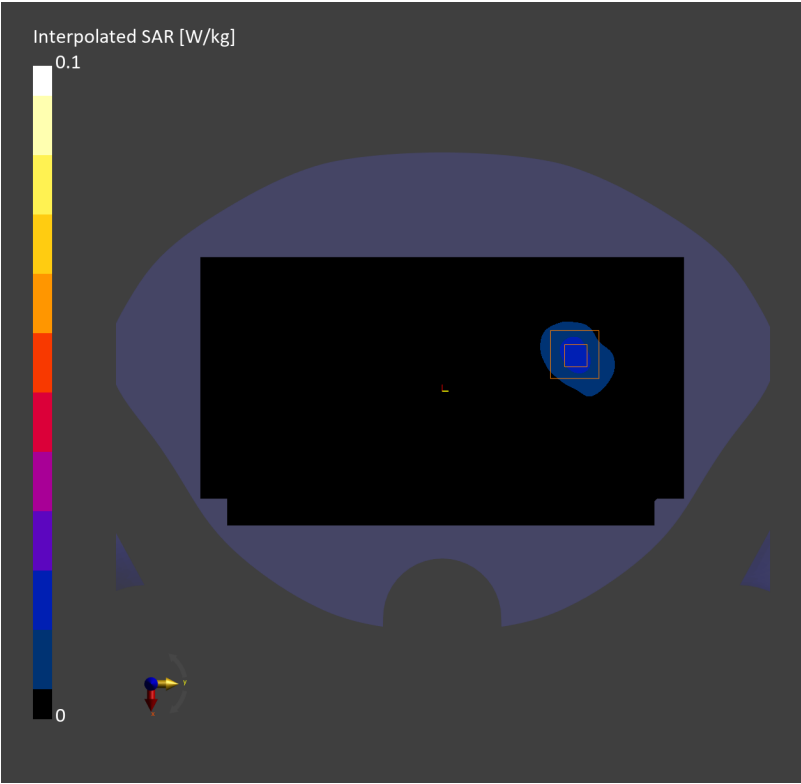
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7858, 2026-02-20	DAE4ip Sn1846, 2026-01-07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-06-02, 12:18	2026-06-02, 12:23
psSAR1g [W/Kg]	0.016	0.015
psSAR10g [W/Kg]	0.008	0.006
Power Drift [dB]	-0.05	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		47.7
Dist 3dB Peak [mm]		6.4



Device Under Test Properties

Model	Dimensions [mm]
MF52e	168.0 x 78.5 x 16.5

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 0.00	Custom Band	CW, 0--	13.600, 13600	18.68	0.823	56.0

Hardware Setup

Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL13MHz	EX3DV4 – SN7858, 2026–02–20	DAE4ip Sn1846, 2026–01–07

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	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	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	N/A
Surface Detection	VMS	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026–07–03, 18:45	2026–07–03, 18:52
psSAR1g [W/Kg]	0.025	0.023
psSAR10g [W/Kg]	0.014	0.006
Power Drift [dB]	0.01	–0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		31.2
Dist 3dB Peak [mm]		8.6

