

Appendix B

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Measurement Report for VOS5-GF-2, FRONT, Band 2, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 19100 (1900.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 19.00	Band 2	LTE-FDD, 10169-CAF	1900.000, 19100	7.43	1.41	39.9

Hardware Setup

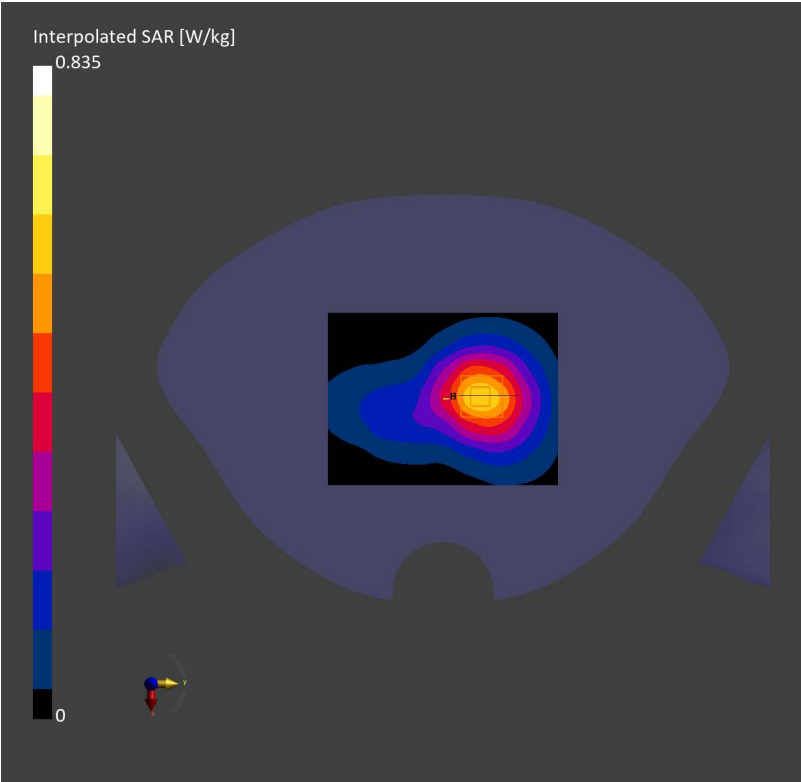
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1900 Charge: xxxx, 2024-Jun-06	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-06, 13:50	2024-06-06, 13:55
psSAR1g [W/Kg]	0.516	0.540
psSAR10g [W/Kg]	0.306	0.332
Power Drift [dB]	0.01	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		65.0
Dist 3dB Peak [mm]		20.9



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, FRONT, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 20525 (836.500 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band 5	LTE-FDD, 10175-CAH	836.500, 20525	8.88	0.916	41.9

Hardware Setup

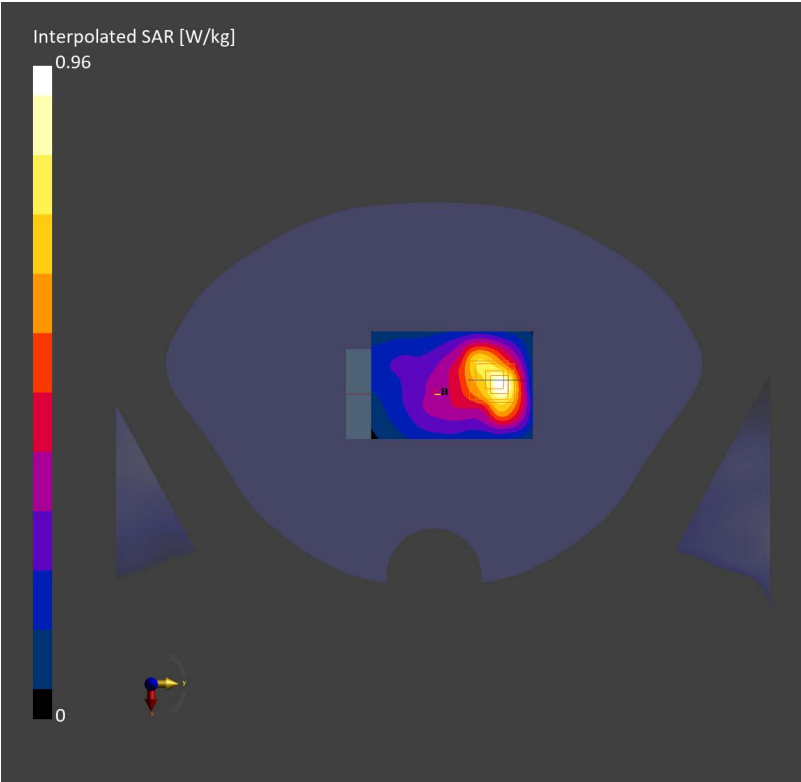
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL835 Charge: xxxx, 2024-May-21	EX3DV4 - SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	2024-05-21, 12:24	2024-05-21, 12:29
psSAR1g [W/Kg]	0.488	0.528
psSAR10g [W/Kg]	0.302	0.300
Power Drift [dB]	0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		10.2



Test Laboratory: TOWE Lab**LTE Band 12 10M QPSK 1RB25 23095CH Back side 5mm Ant 3****DUT: VOS5-GF-2; Type: VOS 5G Dongle; Serial: 962513050034031**

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3624; ConvF(10.4, 10.4, 10.4) @ 707.5 MHz; Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4ip Sn1847; Calibrated: 2024/1/4
- Phantom: SAM 1; Type: SAM; Serial: 1473
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.636 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

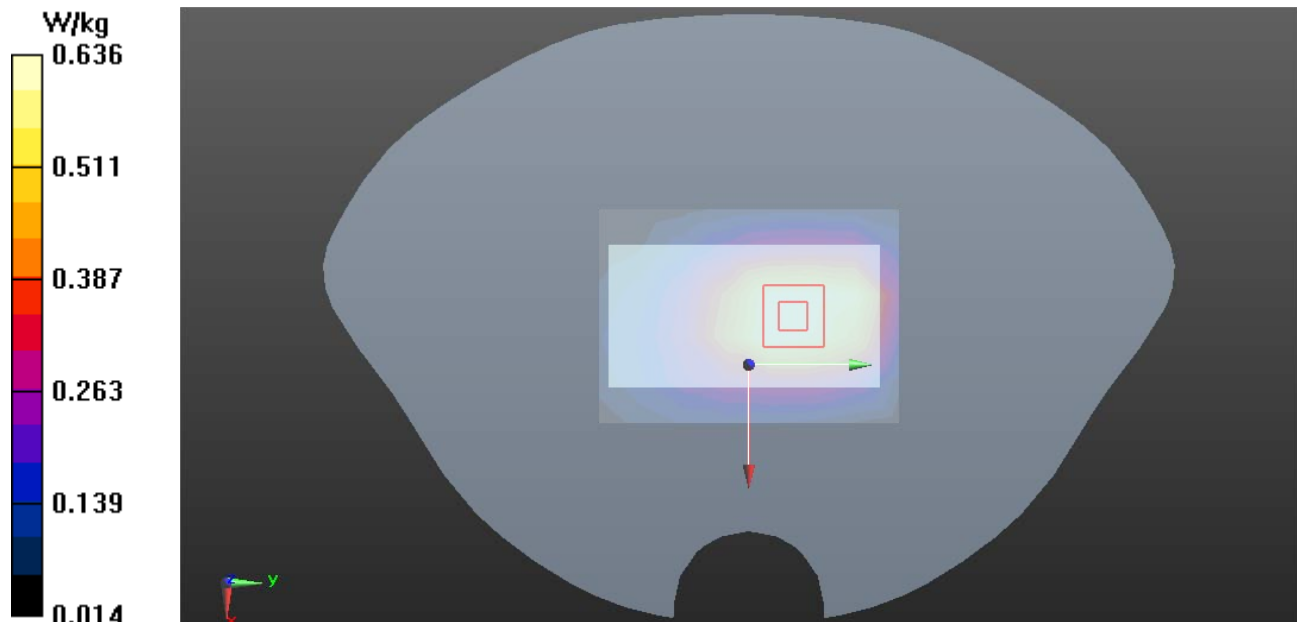
Reference Value = 22.73 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.790 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.357 W/kgSmallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

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

Maximum value of SAR (measured) = 0.687 W/kg



Measurement Report for VOS5-GF-2, FRONT, 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, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	8.88	0.912	42.3

Hardware Setup

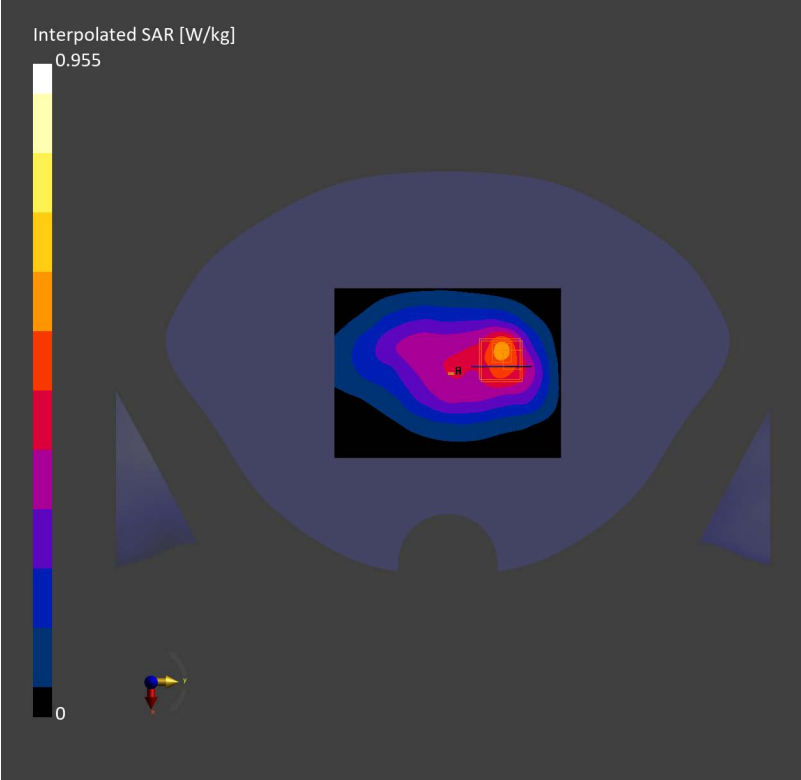
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL750 Charge: xxxx, 2024-May-22	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-22, 10:06	2024-05-22, 10:10
psSAR1g [W/Kg]	0.503	0.547
psSAR10g [W/Kg]	0.320	0.333
Power Drift [dB]	0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		10.8



Measurement Report for VOS5-GF-2, BACK, Band 30, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 27710 (2310.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 5.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	8.3	1.70	39.6

Hardware Setup

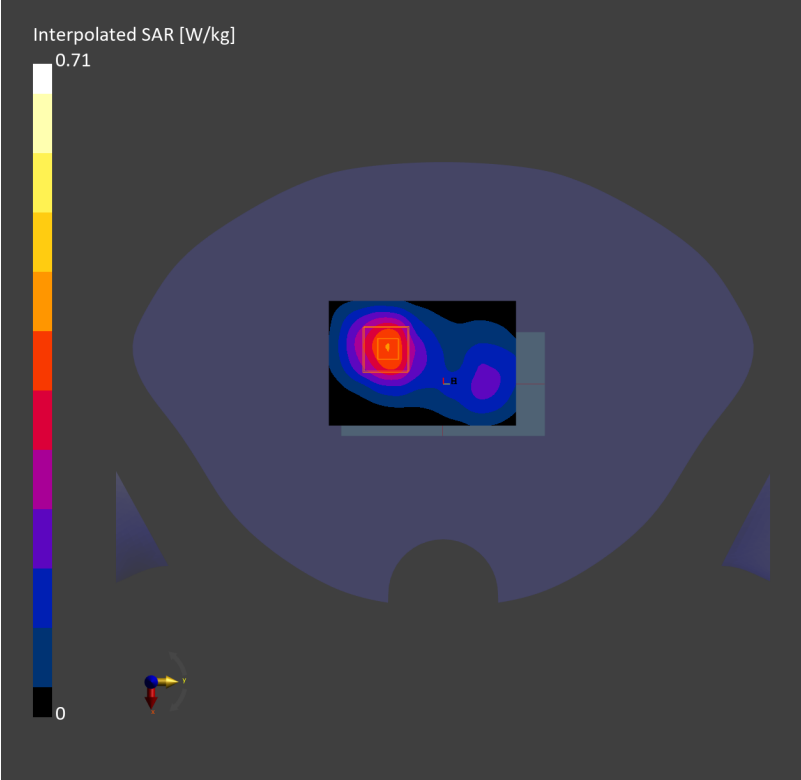
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2300 Charge: xxxx, 2024-Jun-18	EX3DV4 – SN7733, 2024-02-21	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	2024-06-18, 14:21	2024-06-18, 14:28
psSAR1g [W/Kg]	0.344	0.383
psSAR10g [W/Kg]	0.183	0.188
Power Drift [dB]	0.01	-0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		12.1



Measurement Report for VOS5-GF-2, BACK, Band 41, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 40620 (2593.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 5.00	Band 41	LTE-TDD, 10172-CAH	2593.000, 40620	7.03	1.98	38.7

Hardware Setup

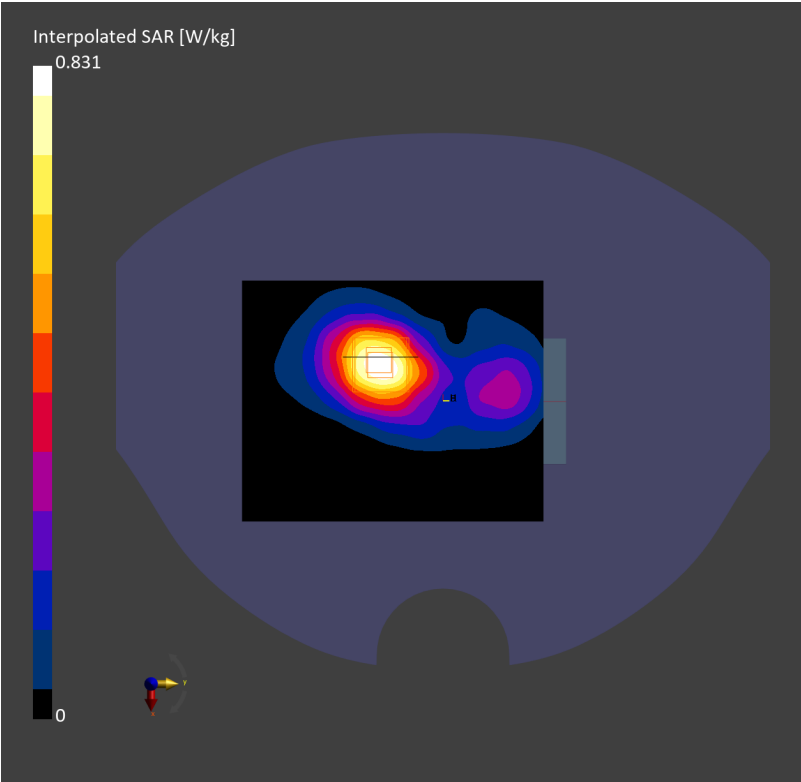
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600 Charge: xxxx, 2024-Jun-06	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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	2024-06-06, 11:49	2024-06-06, 11:54
psSAR1g [W/Kg]	0.403	0.420
psSAR10g [W/Kg]	0.209	0.209
Power Drift [dB]	-0.01	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.7
Dist 3dB Peak [mm]		10.5



Measurement Report for VOS5-GF-2, FRONT, Band 48, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 56640 (3690.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 19.00	Band 48	LTE-TDD, 10172-CAH	3690.000, 56640	6.74	3.09	38.1

Hardware Setup

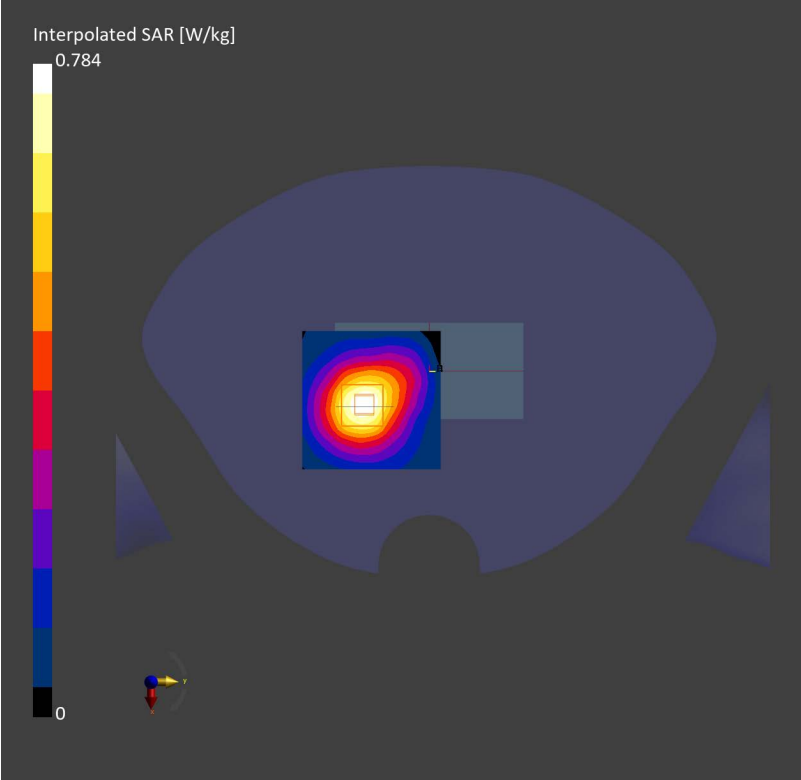
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3700 Charge: xxxx, 2024-Jun-13	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-13, 14:02	2024-06-13, 14:07
psSAR1g [W/Kg]	0.336	0.346
psSAR10g [W/Kg]	0.163	0.166
Power Drift [dB]	0.05	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		18.4



Measurement Report for VOS5-GF-2, FRONT, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 132322 (1745.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band 66	LTE-FDD, 10169-CAF	1745.000, 132322	7.78	1.37	39.7

Hardware Setup

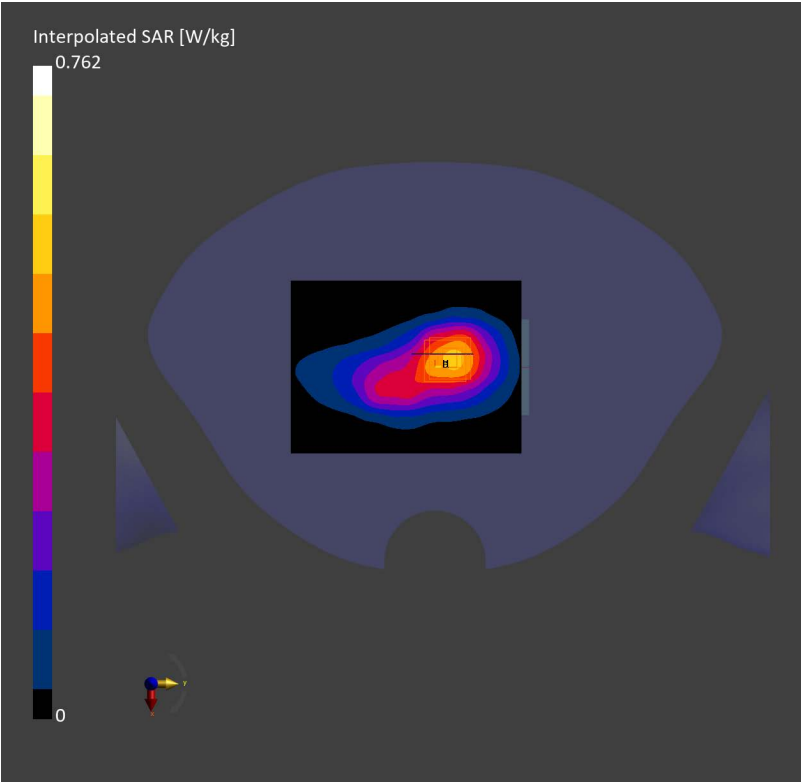
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1750 Charge: xxxx, 2024-Jun-05	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-05, 16:25	2024-06-05, 16:29
psSAR1g [W/Kg]	0.453	0.492
psSAR10g [W/Kg]	0.269	0.300
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.6
Dist 3dB Peak [mm]		13.6



Test Laboratory: TOWE Lab**LTE Band 71 20M QPSK 1RB50 133322CH Front side 5mm Ant 3****DUT: VOS5-GF-2; Type: VOS 5G Dongle; Serial: 962513050034031**

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 683 MHz

Medium parameters used: $f = 683$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 42.297$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3624; ConvF(10.4, 10.4, 10.4) @ 683 MHz; Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4ip Sn1847; Calibrated: 2024/1/4
- Phantom: SAM 1; Type: SAM; Serial: 1473
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (6x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.793 W/kg

Configuration/Body/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.22 V/m; Power Drift = 0.10 dB

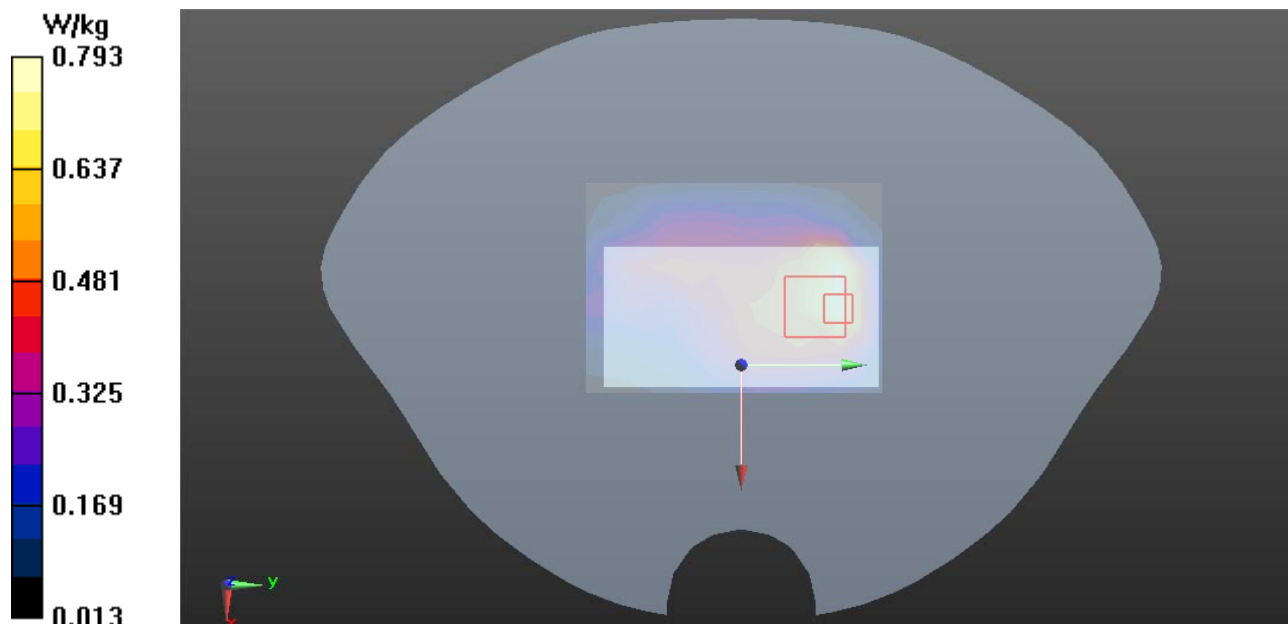
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.309 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 42.3%

Maximum value of SAR (measured) = 0.803 W/kg



Measurement Report for VOS5-GF-2, BACK, Band n2, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 376000 (1880.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 5.00	Band n2	5G NR FR1 FDD, 10931-AAC	1880.000, 376000	7.43	1.41	39.9

Hardware Setup

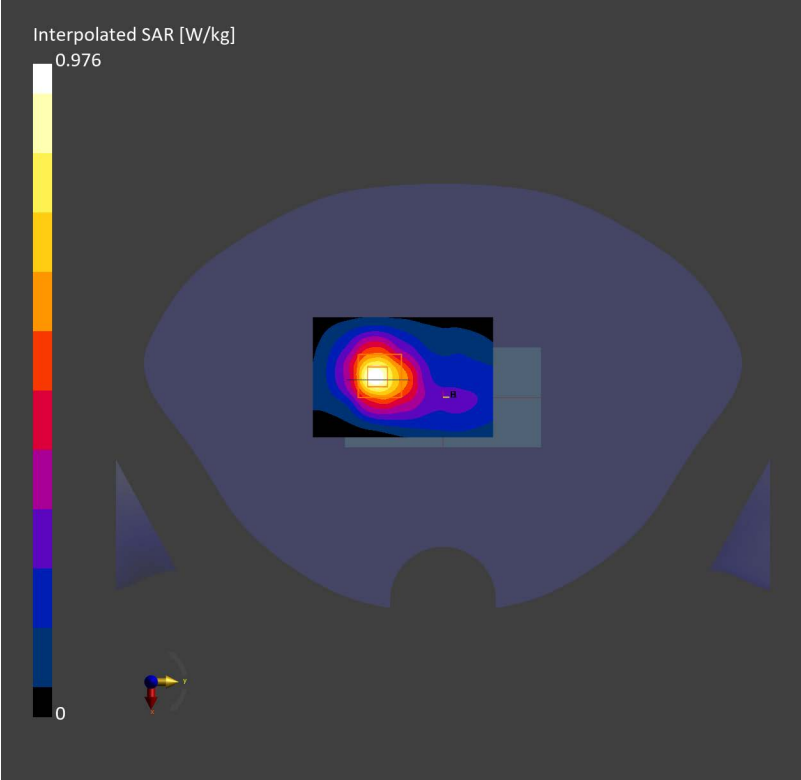
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1900 Charge: xxxx, 2024-Jun-06	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	2024-06-06, 17:40	2024-06-06, 17:46
psSAR1g [W/Kg]	0.475	0.541
psSAR10g [W/Kg]	0.249	0.256
Power Drift [dB]	-0.02	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		62.0
Dist 3dB Peak [mm]		10.8



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, FRONT, Band n5, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) RBPosition:Low AntennaCfg:SISO, Channel 167300 (836.500 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band n5	5G NR FR1 FDD, 10931-AAC	836.500, 167300	8.88	0.916	41.9

Hardware Setup

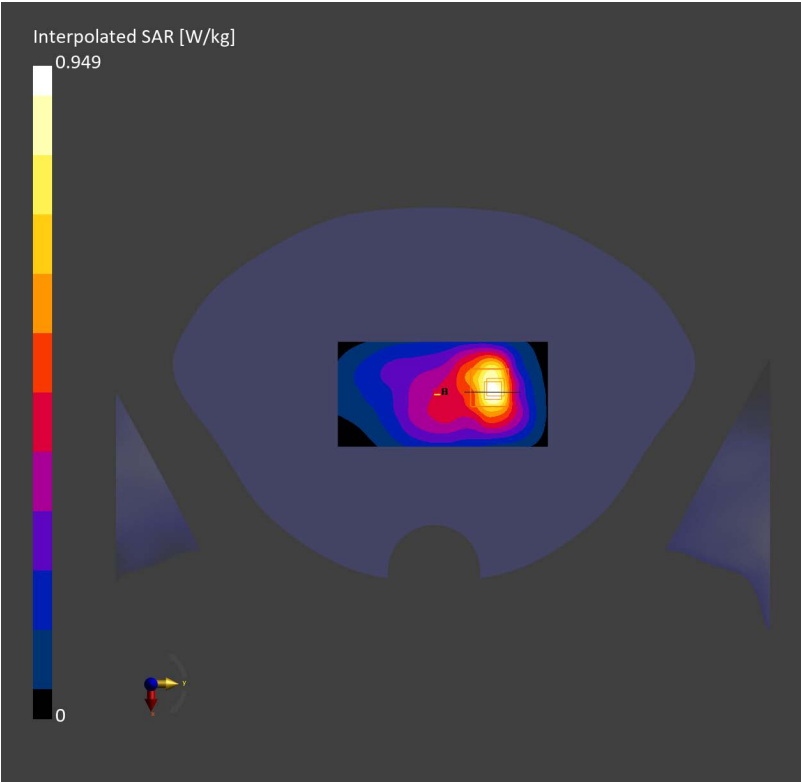
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL835 Charge: xxxx, 2024-May-21	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-21, 18:10	2024-05-21, 18:14
psSAR1g [W/Kg]	0.521	0.538
psSAR10g [W/Kg]	0.317	0.311
Power Drift [dB]	-0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.2
Dist 3dB Peak [mm]		9.7



Test Laboratory: TOWE Lab**NR 12 15M QPSK 36RB22 141500CH Front side 5mm Ant 3****DUT: VOS5-GF-2; Type: VOS 5G Dongle; Serial: 962513050034031**

Communication System: UID 0, NR (0); Frequency: 707.5 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3624; ConvF(10.4, 10.4, 10.4) @ 707.5 MHz; Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4ip Sn1847; Calibrated: 2024/1/4
- Phantom: SAM 1; Type: SAM; Serial: 1473
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (6x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.683 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.45 V/m; Power Drift = 0.15 dB

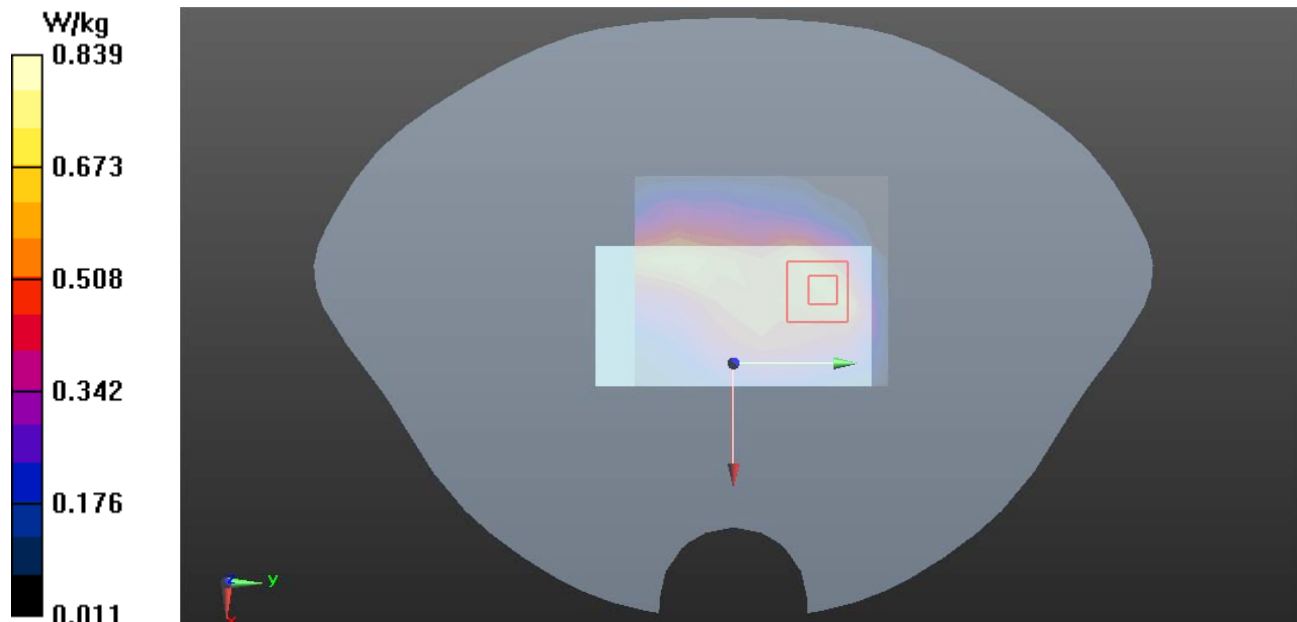
Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.339 W/kg

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

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

Maximum value of SAR (measured) = 0.839 W/kg



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, FRONT, 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, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band n14	5G NR FR1 FDD, 10929-AAD	793.000, 158600	8.88	0.916	42.3

Hardware Setup

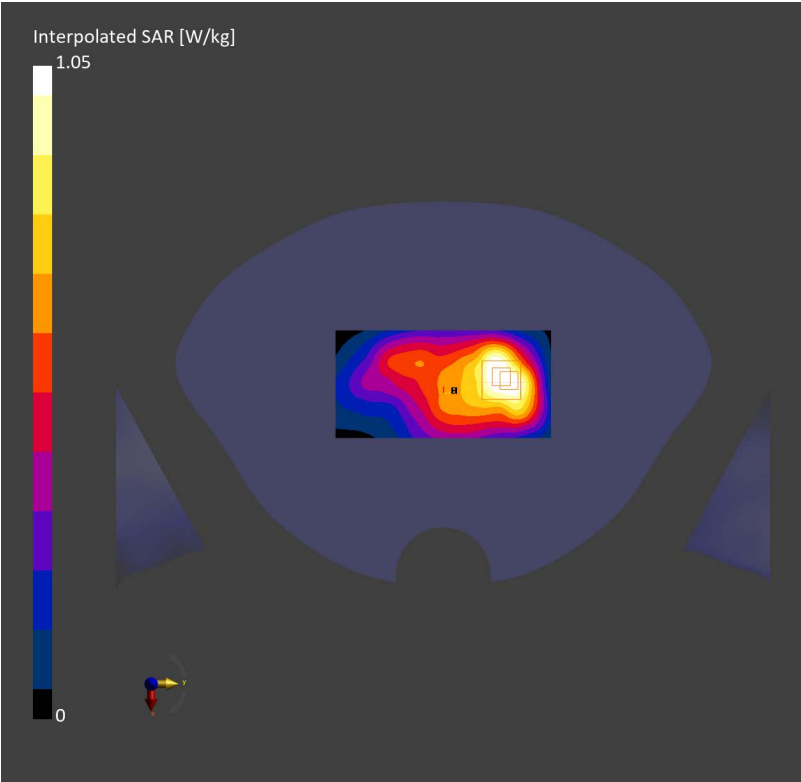
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL750 Charge: xxxx, 2024-May-22	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-22, 16:51	2024-05-22, 16:56
psSAR1g [W/Kg]	0.506	0.601
psSAR10g [W/Kg]	0.340	0.362
Power Drift [dB]	0.00	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		55.7
Dist 3dB Peak [mm]		12.5



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 19.00	Band n25	5G NR FR1 FDD, 10934-AAC	1882.500, 376500	7.43	1.41	39.9

Hardware Setup

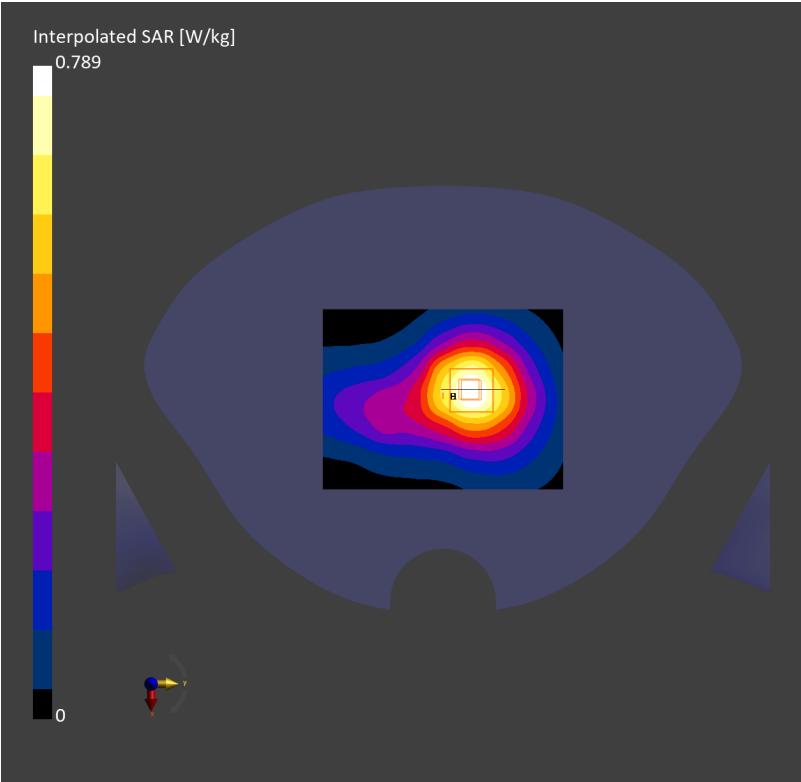
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1900 Charge: xxxx, 2024-Jun-06	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-06, 18:52	2024-06-06, 18:55
psSAR1g [W/Kg]	0.486	0.512
psSAR10g [W/Kg]	0.291	0.319
Power Drift [dB]	0.03	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.0
Dist 3dB Peak [mm]		21.8



Measurement Report for VOS5-GF-2, BACK, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 462000 (2310.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 5.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.000, 462000	8.3	1.70	39.6

Hardware Setup

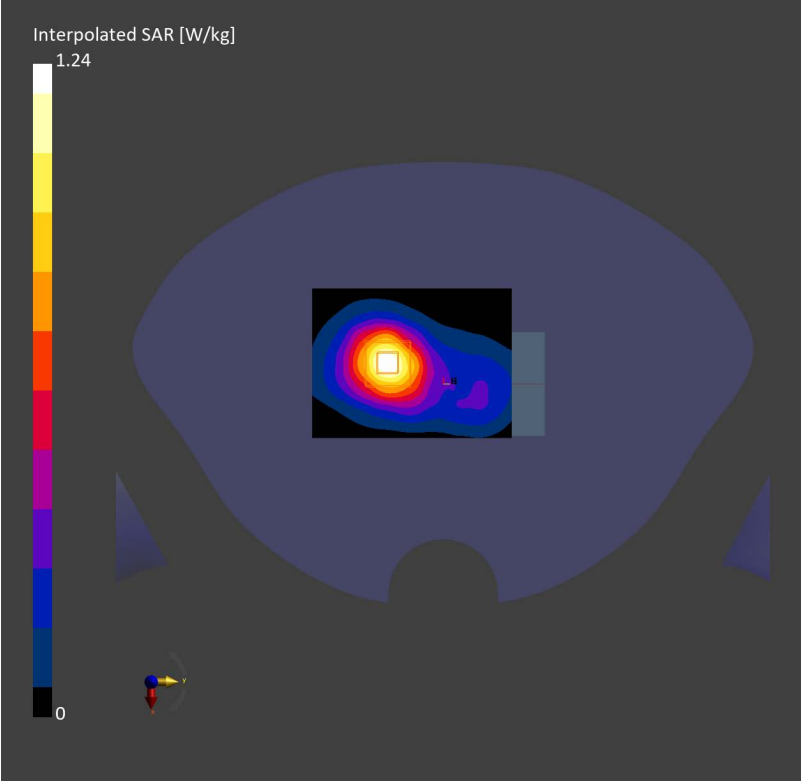
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2300 Charge: xxxx, 2024-Jun-18	EX3DV4 – SN7733, 2024-02-21	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	2024-06-18, 16:05	2024-06-18, 16:10
psSAR1g [W/Kg]	0.620	0.645
psSAR10g [W/Kg]	0.324	0.334
Power Drift [dB]	0.07	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.7
Dist 3dB Peak [mm]		10.8



Measurement Report for VOS5-GF-2, BACK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 528000 (2640.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2640.000, 528000	7.03	2.02	39.5

Hardware Setup

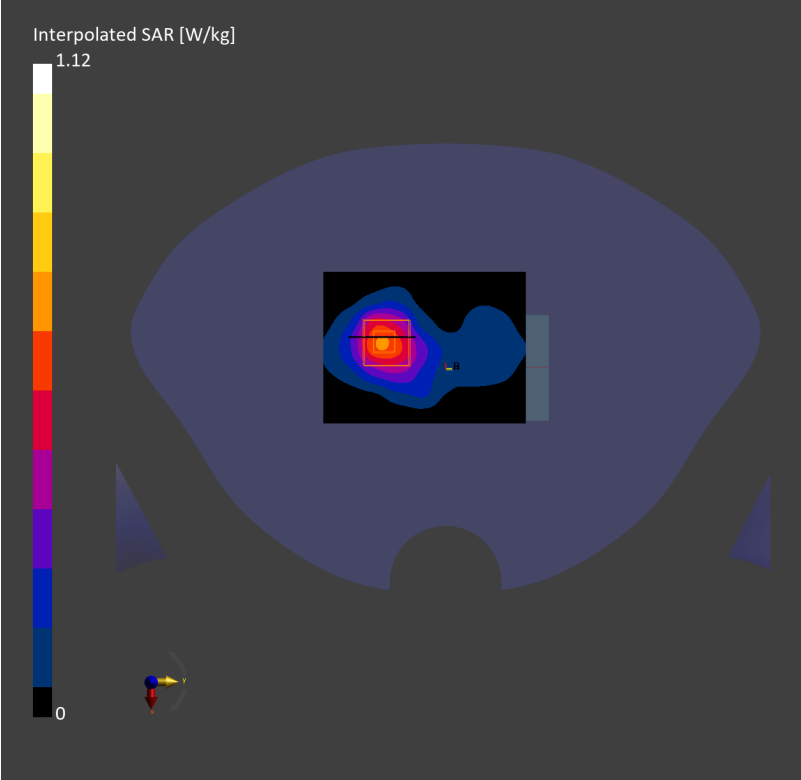
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600 Charge: xxxx, 2024-Jun-21	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	2024-06-21, 19:39	2024-06-21, 19:42
psSAR1g [W/Kg]	0.542	0.565
psSAR10g [W/Kg]	0.273	0.273
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		48.1
Dist 3dB Peak [mm]		11.4



Measurement Report for VOS5-GF-2, FRONT, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.03	1.96	39.7

Hardware Setup

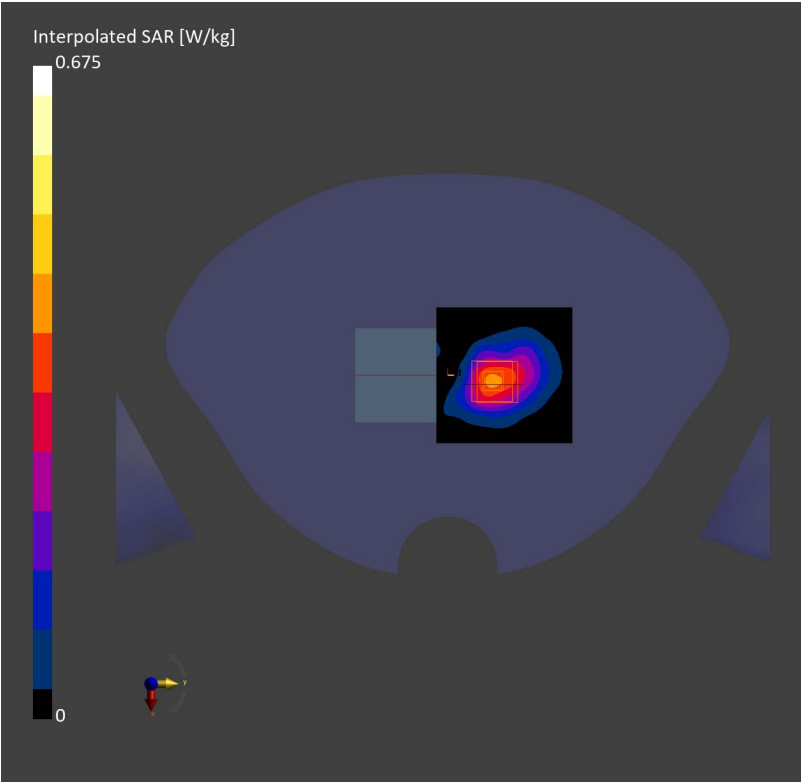
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2600 Charge: xxxx, 2024-Jun-24	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	Unknown method	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-21, 22:28	2024-06-21, 22:32
psSAR1g [W/Kg]	0.330	0.366
psSAR10g [W/Kg]	0.170	0.182
Power Drift [dB]	-0.01	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		8.0



Measurement Report for VOS5-GF-2, EDGE RIGHT, Band n48, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 640446 (3606.685 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 5.00	Band n48	5G NR FR1 TDD, 10913-AAD	3606.685, 640446	6.74	3.02	38.4

Hardware Setup

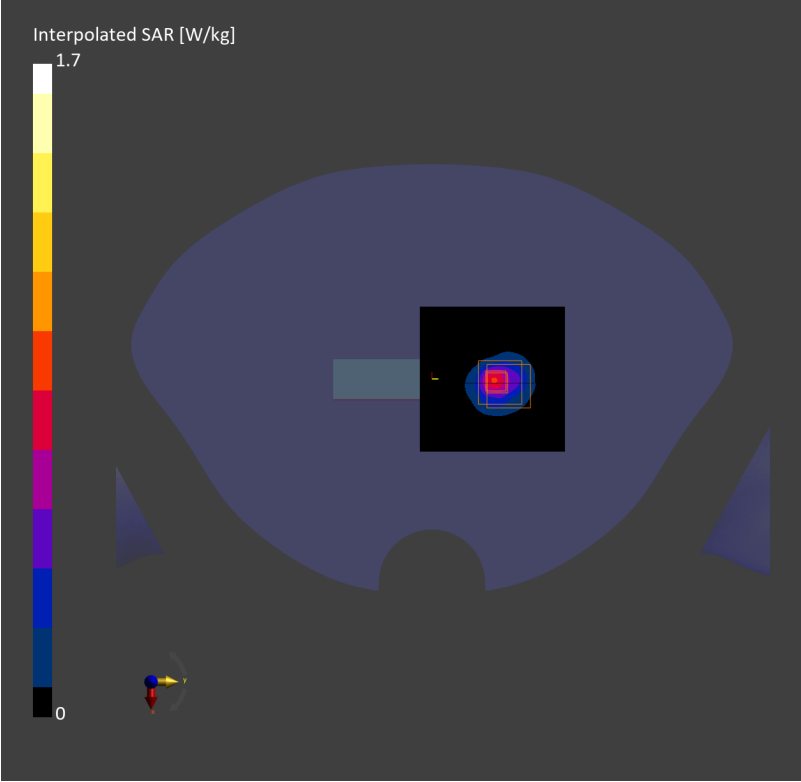
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3700 Charge: xxxx, 2024-Jun-15	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	2024-06-15, 18:09	2024-06-15, 18:15
psSAR1g [W/Kg]	0.582	0.634
psSAR10g [W/Kg]	0.208	0.220
Power Drift [dB]	-0.01	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		86.6
Dist 3dB Peak [mm]		6.4



Measurement Report for VOS5-GF-2, FRONT, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:High AntennaCfg:SISO, Channel 352000 (1760.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 19.00	Band n66	5G NR FR1 FDD, 10934-AAC	1760.000, 352000	7.78	1.38	39.9

Hardware Setup

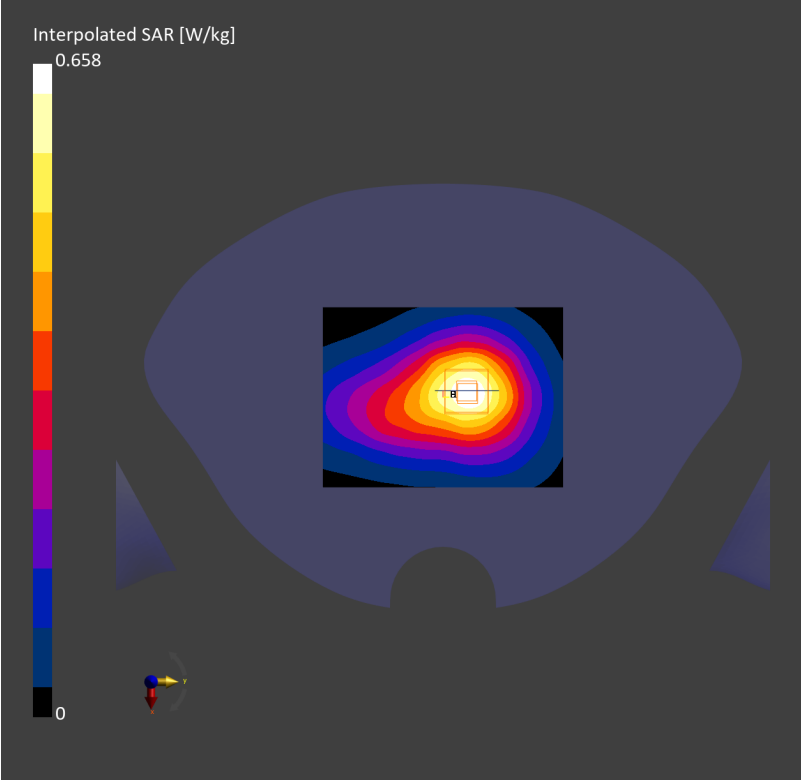
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1750 Charge: xxxx, 2024-Jun-07	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-07, 11:33	2024-06-07, 11:36
psSAR1g [W/Kg]	0.416	0.435
psSAR10g [W/Kg]	0.255	0.276
Power Drift [dB]	0.07	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		> 16.0



Measurement Report for VOS5-GF-2, FRONT, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 340500 (1702.500 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 5.00	Band n70	5G NR FR1 FDD, 10938-AAC	1702.500, 340500	7.78	1.36	39.9

Hardware Setup

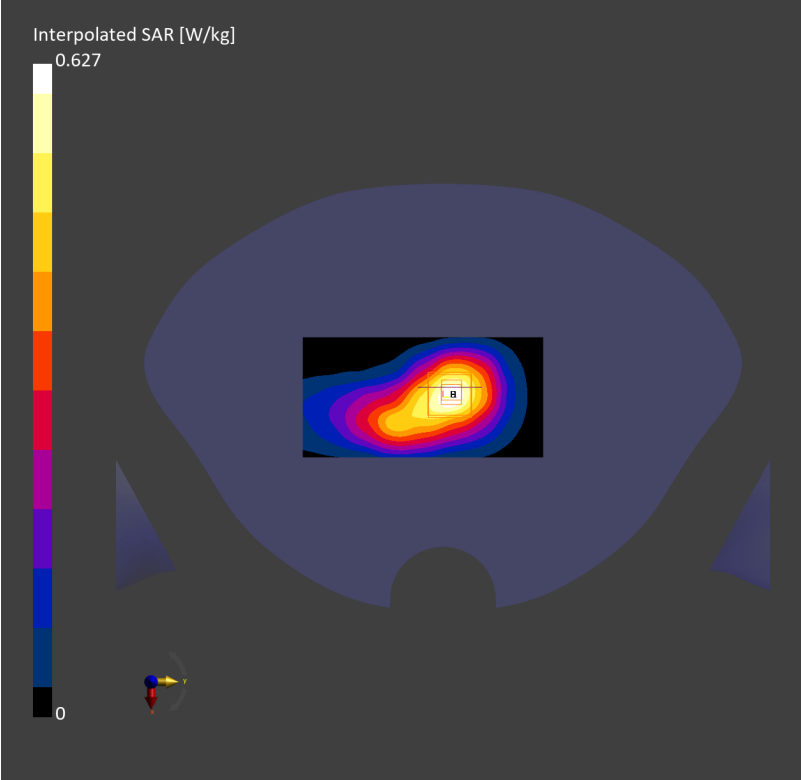
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL1750 Charge: xxxx, 2024-Jun-07	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-07, 12:23	2024-06-07, 12:27
psSAR1g [W/Kg]	0.383	0.406
psSAR10g [W/Kg]	0.225	0.249
Power Drift [dB]	-0.03	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.9
Dist 3dB Peak [mm]		12.2



Test Laboratory: TOWE Lab**NR 71 20M QPSK 1RB1 137600CH Front side 5mm Ant 3****DUT: VOS5-GF-2; Type: VOS 5G Dongle; Serial: 962513050034031**

Communication System: UID 0, NR (0); Frequency: 688 MHz

Medium parameters used: $f = 688$ MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 42.268$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3624; ConvF(10.4, 10.4, 10.4) @ 688 MHz; Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4ip Sn1847; Calibrated: 2024/1/4
- Phantom: SAM 1; Type: SAM; Serial: 1473
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (6x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.712 W/kg

Configuration/Body/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.86 V/m; Power Drift = 0.11 dB

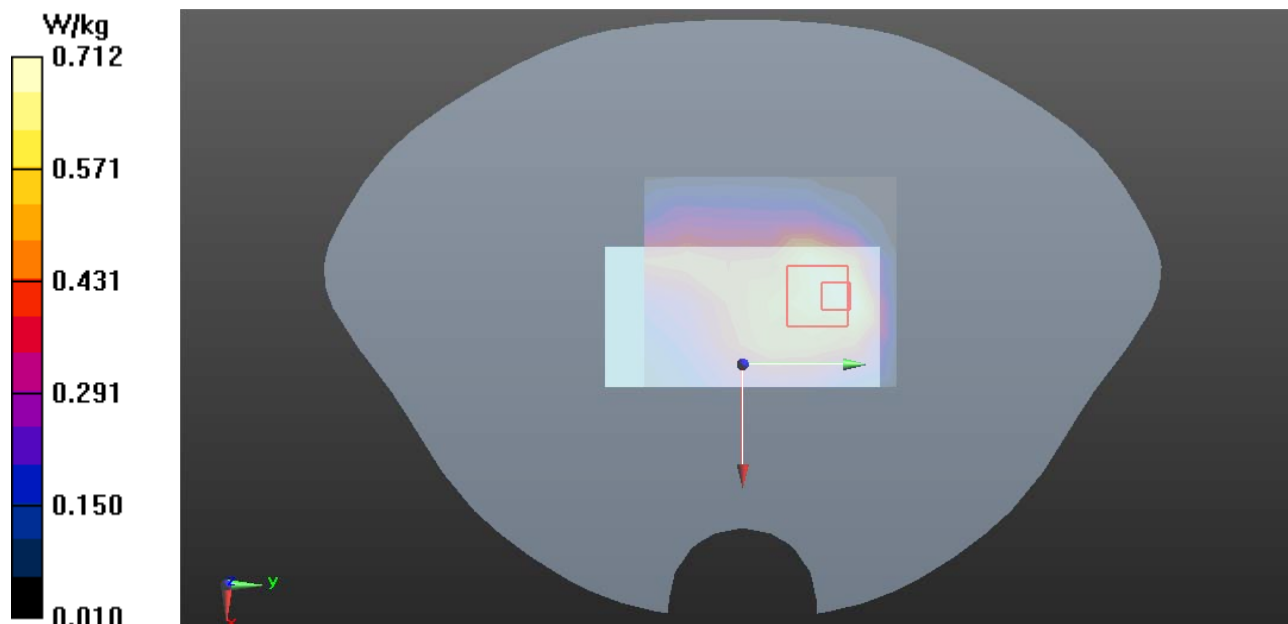
Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.364 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 43.5%

Maximum value of SAR (measured) = 1.03 W/kg



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, EDGE RIGHT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:High AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.7	2.94	38.5

Hardware Setup

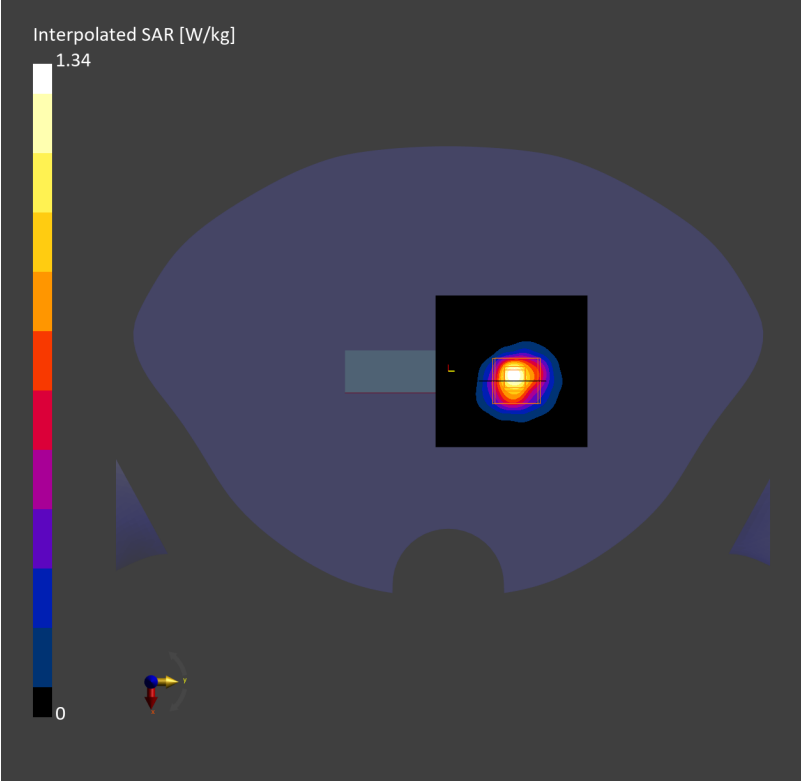
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3500 Charge: xxxx, 2024-Jun-23	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-23, 16:10	2024-06-23, 16:16
psSAR1g [W/Kg]	0.491	0.544
psSAR10g [W/Kg]	0.186	0.191
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		38.2
Dist 3dB Peak [mm]		8.1



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, BACK, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:High AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 19.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.7	2.94	38.5

Hardware Setup

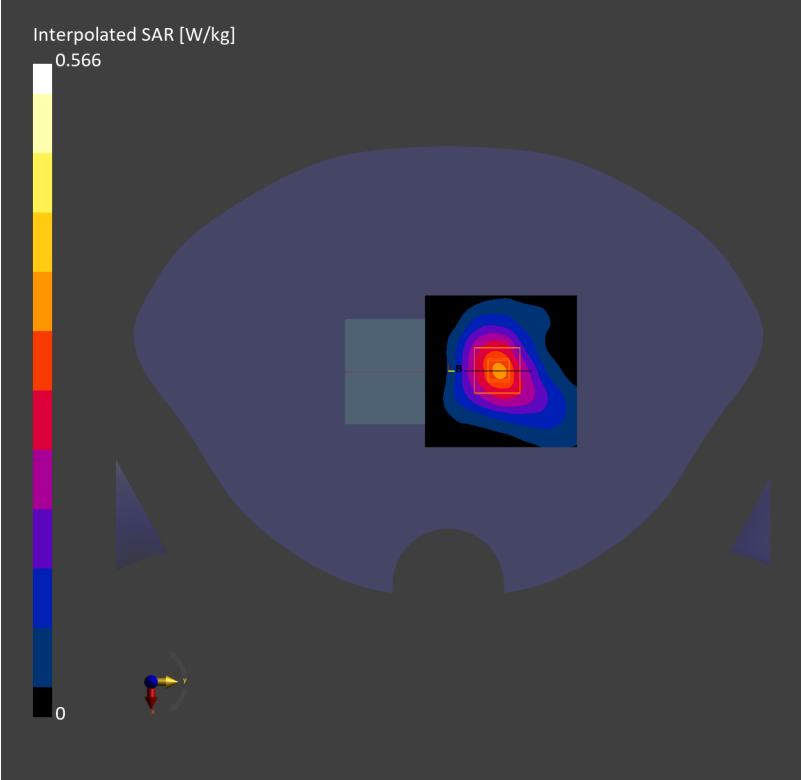
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3500 Charge: xxxx, 2024-Jun-23	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-23, 13:03	2024-06-23, 13:08
psSAR1g [W/Kg]	0.260	0.251
psSAR10g [W/Kg]	0.123	0.114
Power Drift [dB]	-0.01	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.2
Dist 3dB Peak [mm]		15.1



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, EDGE RIGHT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:High AntennaCfg:SISO, Channel 662000 (3930.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 19.00	Band n77	5G NR FR1 TDD, 10866-AAF	3930.000, 662000	6.47	3.33	37.9

Hardware Setup

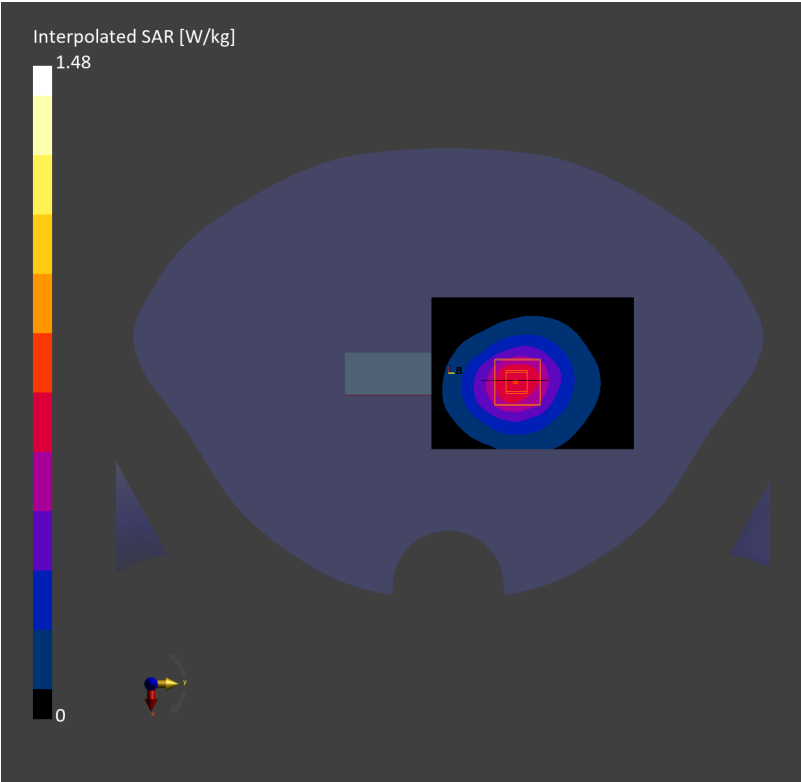
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3900 Charge: xxxx, 2024-Jun-23	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 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	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-23, 11:57	2024-06-23, 12:02
psSAR1g [W/Kg]	0.571	0.609
psSAR10g [W/Kg]	0.269	0.277
Power Drift [dB]	0.01	0.14
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		34.7
Dist 3dB Peak [mm]		14.8



Test Laboratory: TOWE Lab

Measurement Report for VOS5-GF-2, FRONT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:High AntennaCfg:SISO, Channel 654800 (3822.000 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
VOS5-GF-2,	98.0 x 50.0 x 20.0	962513050034031	VOS 5G Dongle

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 19.00	Band n77	5G NR FR1 TDD, 10866-AAF	3822.000, 654800	6.47	3.22	38.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL3900 Charge: xxxx, 2024-Jun-23	EX3DV4 – SN7858, 2024-01-09	DAE4ip Sn1846, 2023-11-29

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	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-23, 13:23	2024-06-23, 13:26
psSAR1g [W/Kg]	0.371	0.372
psSAR10g [W/Kg]	0.174	0.172
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		35.6
Dist 3dB Peak [mm]		14.4

