

Appendix A: SAR Test Plots

RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 12	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23095	707.500	9.46, 9.07,8.79

Test Setup

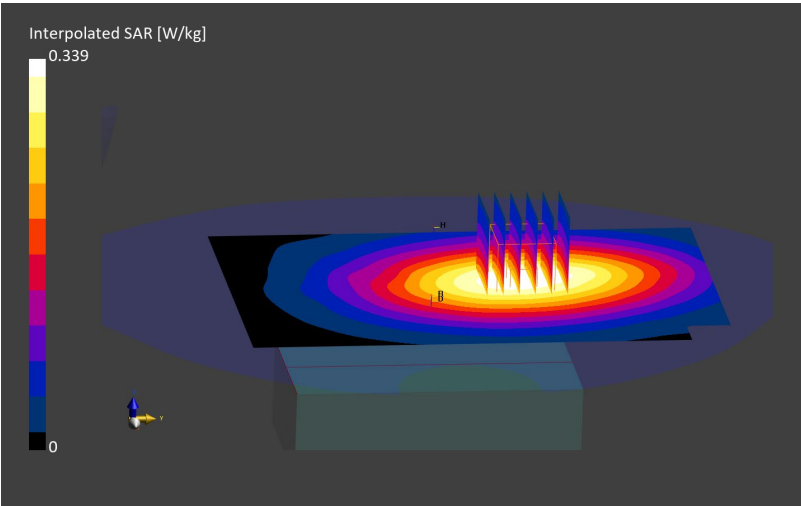
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.3	22.4	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.890	42.4	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.244
Power Drift [dB]	-0.13
Peak SAR (Extrapolated) [W/kg]	0.339
M2/M1 [%]	89.4
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 13	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23230	782.000	9.46, 9.07,8.79

Test Setup

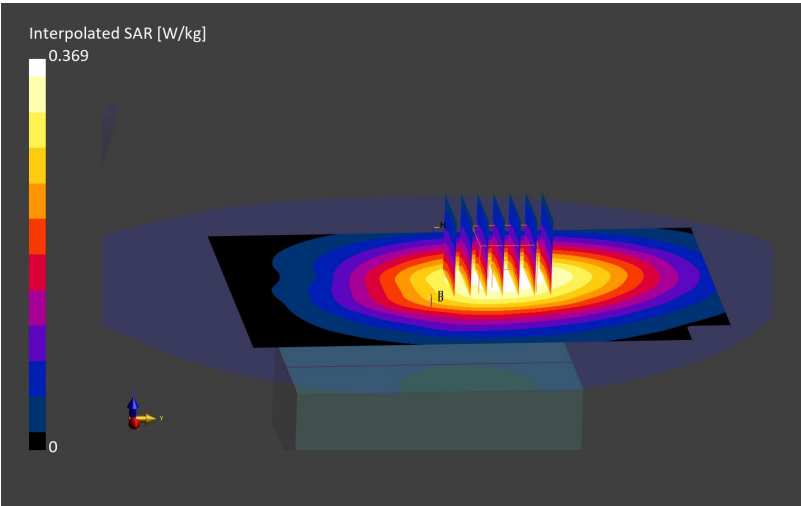
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.3	22.4	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.914	42.2	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 36.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.265
Power Drift [dB]	-0.03
Peak SAR (Extrapolated) [W/kg]	0.369
M2/M1 [%]	88.7
Dist 3dB Peak [mm]	> 15.0



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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 14	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23330	793.000	9.46, 9.07,8.79

Test Setup

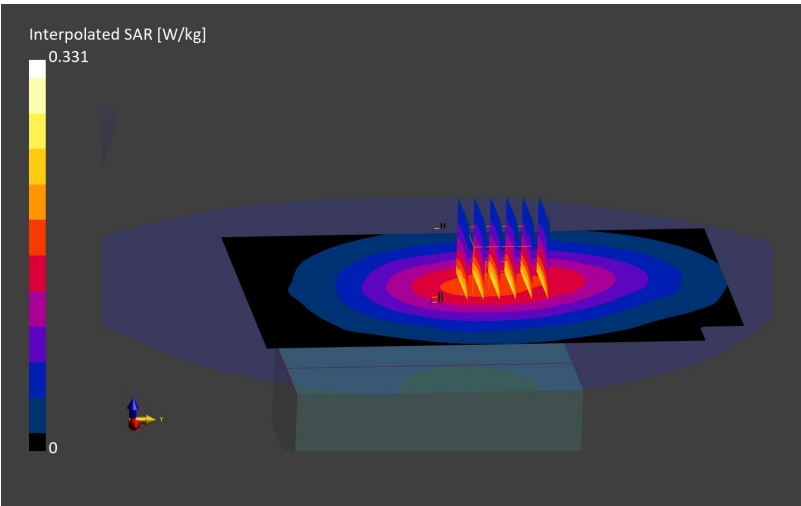
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.896	43.2	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.245
Power Drift [dB]	-0.15
Peak SAR (Extrapolated) [W/kg]	0.331
M2/M1 [%]	89.5
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 25	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 26590	1905.000	7.4, 7.24,7.76

Test Setup

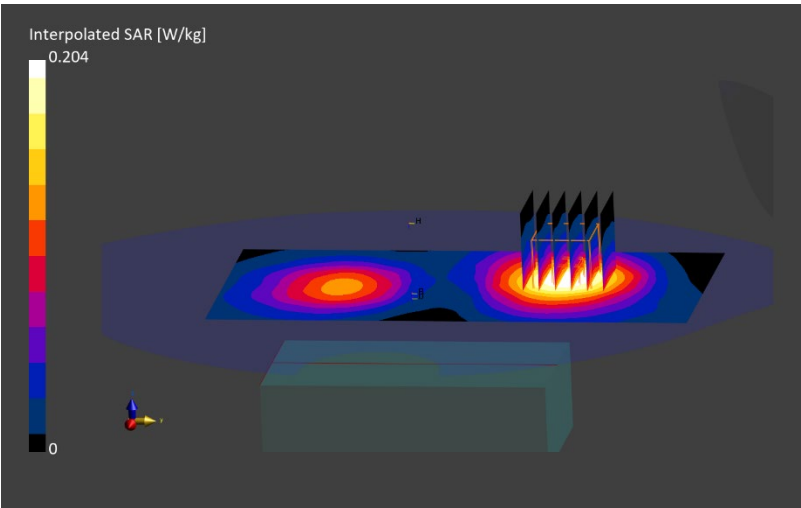
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	21.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.42	38.3	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.131
Power Drift [dB]	-0.07
Peak SAR (Extrapolated) [W/kg]	0.204
M2/M1 [%]	87.1
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 26	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10181	LTE Main	Ch. 26865	831.500	9.21, 8.83,8.55

Test Setup

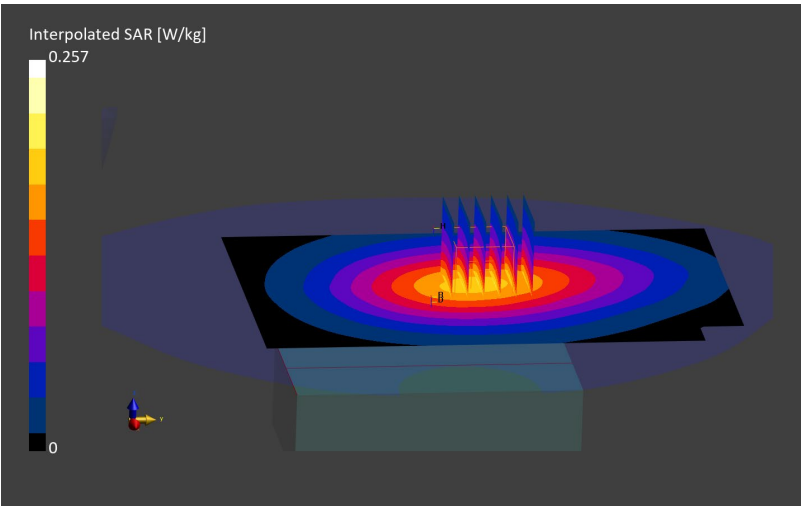
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.909	43.1	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.185
Power Drift [dB]	-0.04
Peak SAR (Extrapolated) [W/kg]	0.257
M2/M1 [%]	89.4
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 5	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:High AntennaCfg:SISO, 10175	LTE Main	Ch. 20525	836.500	9.21, 8.83,8.55

Test Setup

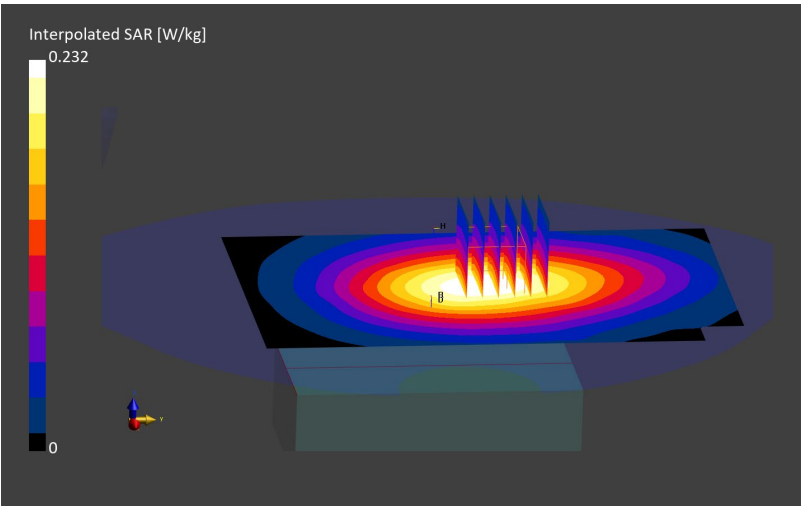
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.911	43.1	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.168
Power Drift [dB]	0.01
Peak SAR (Extrapolated) [W/kg]	0.232
M2/M1 [%]	88.8
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 66	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 132322	1745.000	7.64, 7.47,8.01

Test Setup

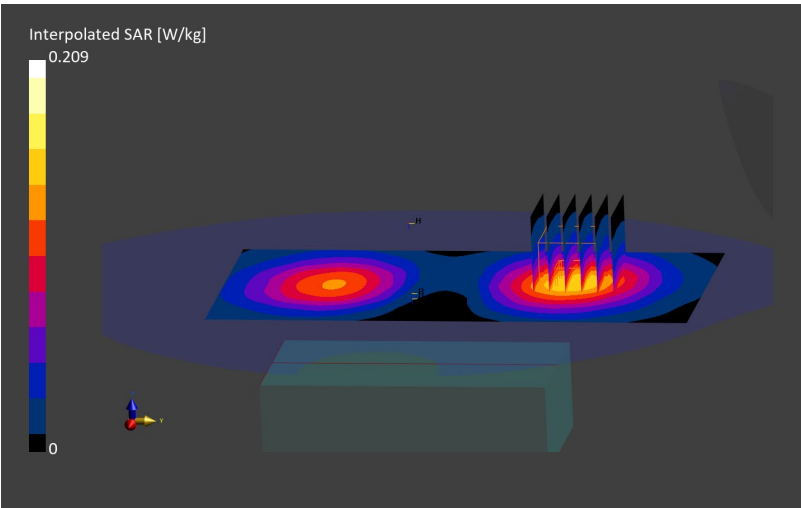
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	21.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.33	38.5	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.139
Power Drift [dB]	-0.05
Peak SAR (Extrapolated) [W/kg]	0.209
M2/M1 [%]	88.2
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	LTE Band 71	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 133297	680.500	9.46, 9.07,8.79

Test Setup

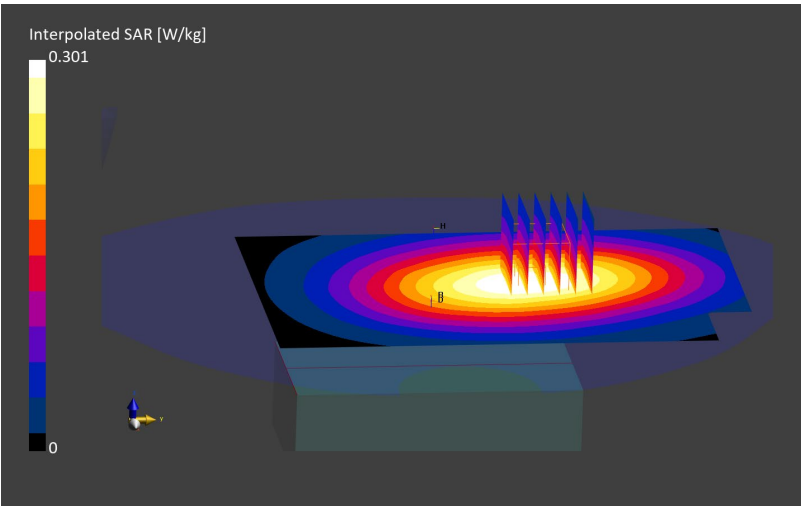
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.855	43.6	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.229
Power Drift [dB]	0.05
Peak SAR (Extrapolated) [W/kg]	0.301
M2/M1 [%]	90.1
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	2.4 GHz WIFI	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle), 10315	WLAN	Ch. 2	2417.000	7.02, 6.86,7.36

Test Setup

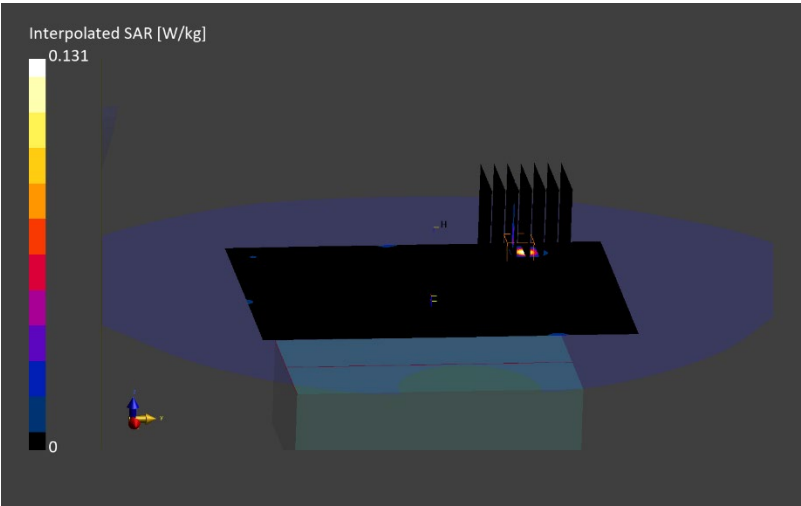
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.76	38.2	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	85.0 x 85.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.014
Power Drift [dB]	-0.01
Peak SAR (Extrapolated) [W/kg]	0.117
M2/M1 [%]	28.5
Dist 3dB Peak [mm]	5.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	5 GHz WIFI	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle), 10583	WLAN	Ch. 60	5300.000	5.28, 5.16,5.54

Test Setup

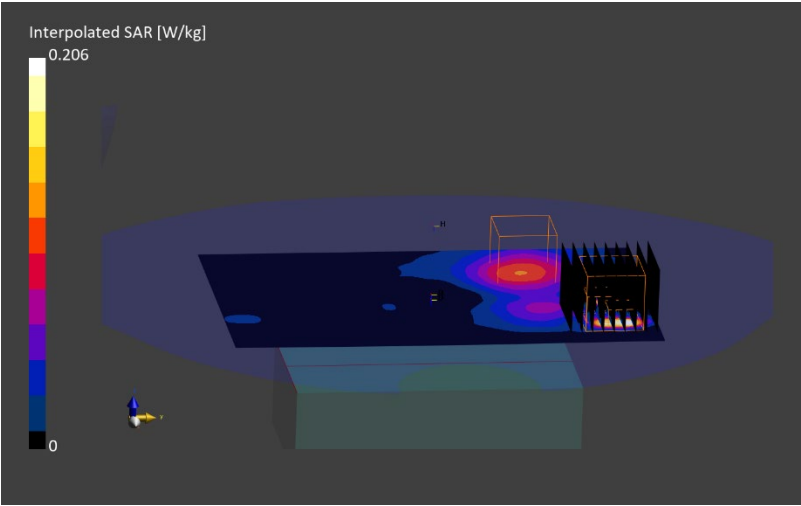
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.3	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	4.47	33.5	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 160.0	40.0 x 44.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.043
Power Drift [dB]	-0.04
Peak SAR (Extrapolated) [W/kg]	0.293
M2/M1 [%]	N/A
Dist 3dB Peak [mm]	16.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Face	Flat, FRONT, 25.00	2.4 GHz Bluetooth	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	Bluetooth	Ch. 39	2441.000	7.84, 7.84,7.84

Test Setup

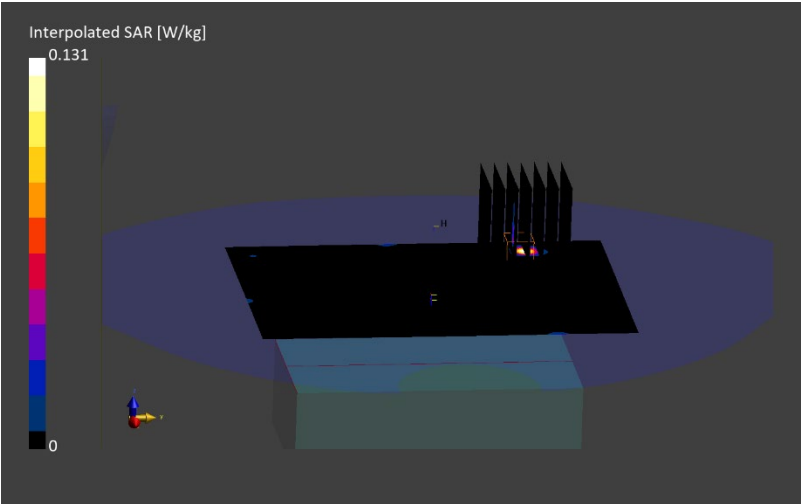
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.3	22.4	16.4.0.5005	Twin-SAM V8.0 – 2159	Head Simulating Liquid	1.83	39.0	EX3DV4 – SN7872, 2024-03-15	DAE4ip Sn1843, 2024-08-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0
Power Drift [dB]	0.18
Peak SAR (Extrapolated) [W/kg]	0.051
M2/M1 [%]	96.5
Dist 3dB Peak [mm]	0.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 12	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23095	707.500	9.46, 9.07,8.79

Test Setup

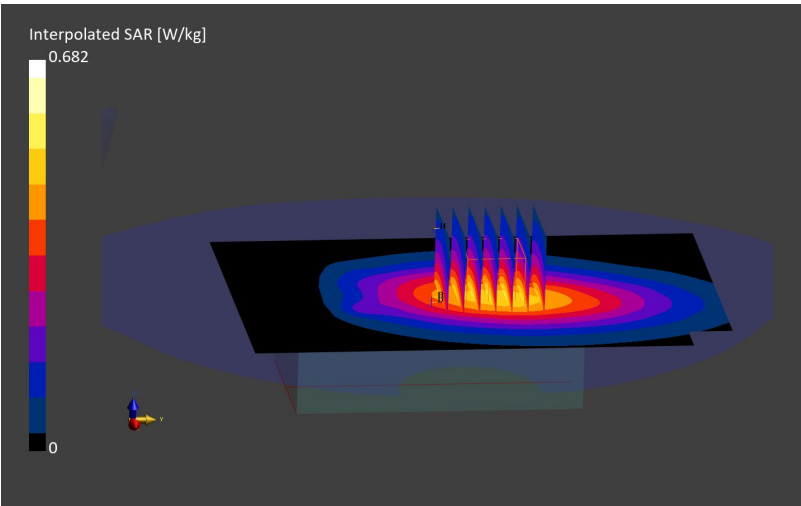
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.87	43.5	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	36.0 x 36.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.512
Power Drift [dB]	0.03
Peak SAR (Extrapolated) [W/kg]	0.682
M2/M1 [%]	89.8
Dist 3dB Peak [mm]	> 17.5



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 13	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23230	782.000	9.46, 9.07,8.79

Test Setup

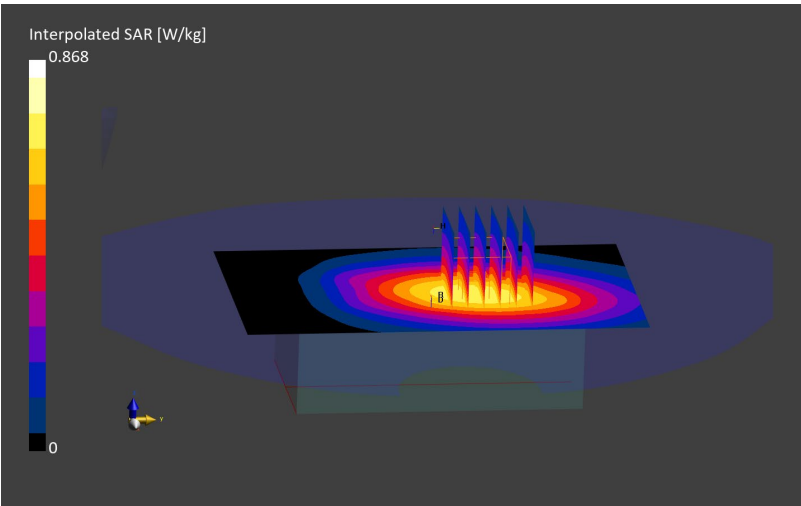
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.89	43.2	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.656
Power Drift [dB]	0
Peak SAR (Extrapolated) [W/kg]	0.868
M2/M1 [%]	91.0
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 14	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10175	LTE Main	Ch. 23330	793.000	9.46, 9.07,8.79

Test Setup

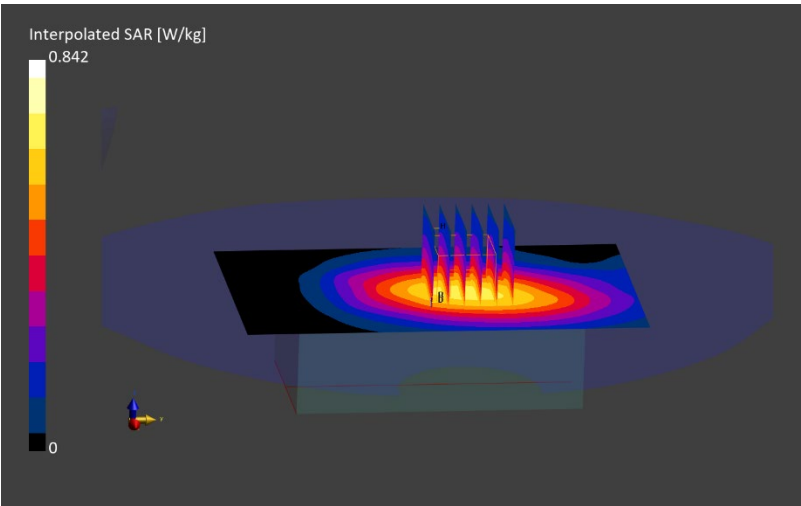
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.90	43.2	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.619
Power Drift [dB]	-0.01
Peak SAR (Extrapolated) [W/kg]	0.842
M2/M1 [%]	88.8
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 25	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 26590	1905.000	7.4, 7.24,7.76

Test Setup

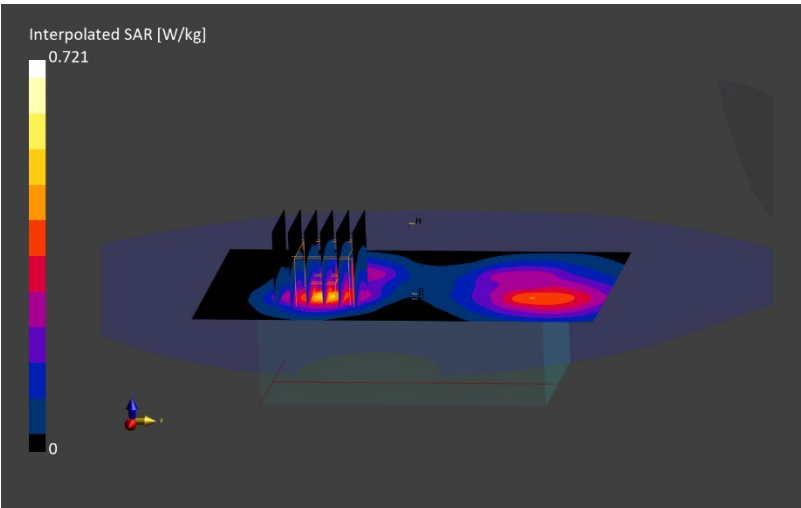
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	21.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.42	38.3	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.415
Power Drift [dB]	-0.1
Peak SAR (Extrapolated) [W/kg]	0.721
M2/M1 [%]	87.2
Dist 3dB Peak [mm]	10.4



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 26	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10181	LTE Main	Ch. 26865	831.500	9.21, 8.83,8.55

Test Setup

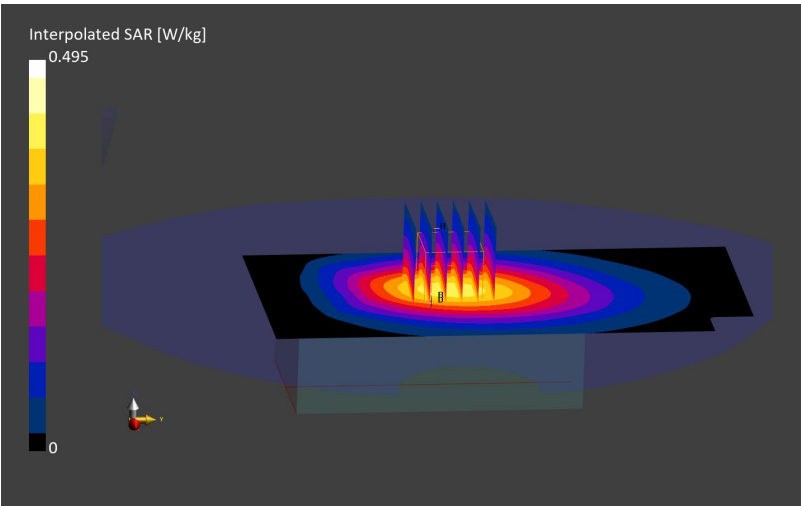
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-30	23.3	22.9	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.927	40.2	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.363
Power Drift [dB]	0.08
Peak SAR (Extrapolated) [W/kg]	0.495
M2/M1 [%]	90.3
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 5	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:High AntennaCfg:SISO, 10175	LTE Main	Ch. 20525	836.500	9.21, 8.83,8.55

Test Setup

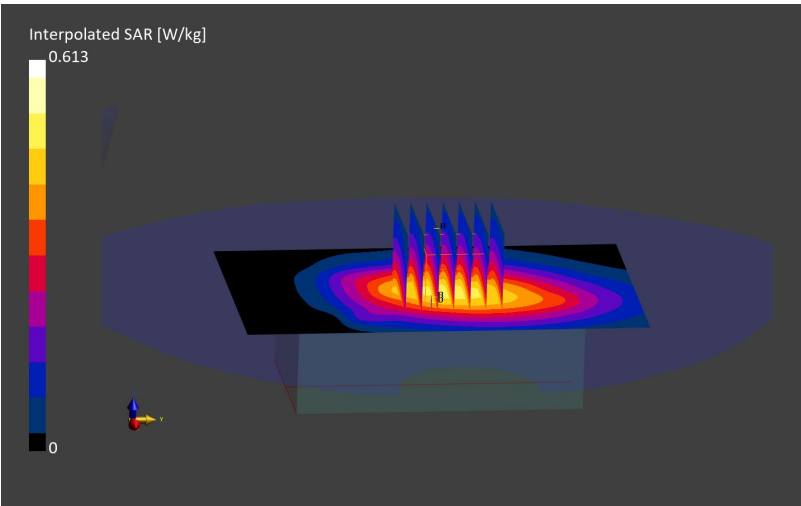
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.911	43.1	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	36.0 x 36.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.45
Power Drift [dB]	0.01
Peak SAR (Extrapolated) [W/kg]	0.613
M2/M1 [%]	88.5
Dist 3dB Peak [mm]	> 17.5



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 66	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 132322	1745.000	7.64, 7.47,8.01

Test Setup

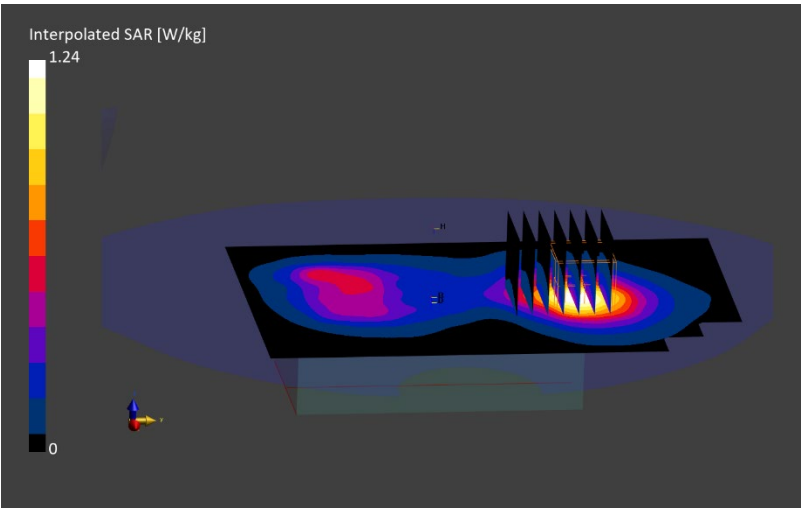
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	21.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.33	38.5	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	31.9 x 37.7 x 31.2
Grid Steps [mm]	15.0 x 15.0	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.2
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.432
Power Drift [dB]	-0.01
Peak SAR (Extrapolated) [W/kg]	1.24
M2/M1 [%]	66.3
Dist 3dB Peak [mm]	4.5



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	LTE Band 71	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, 10169	LTE Main	Ch. 133297	680.500	9.46, 9.07,8.79

Test Setup

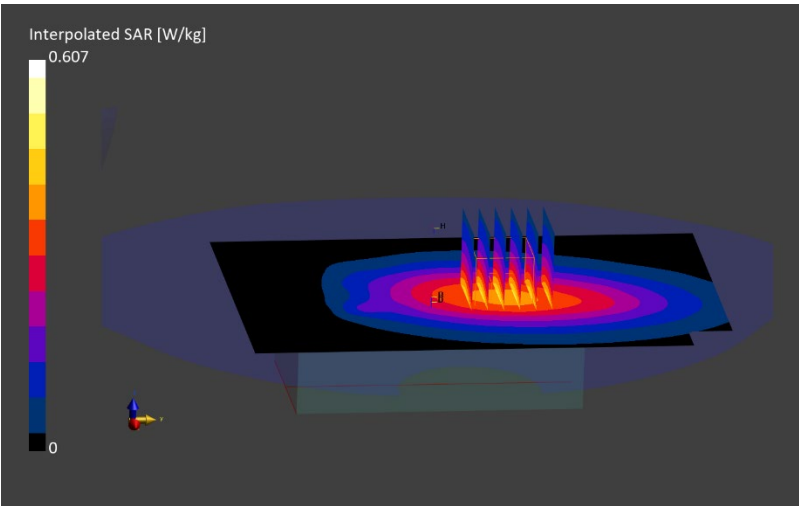
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-22	22.2	19.7	16.4.0.5005	Twin-SAM V8.0 – 2164	Head Simulating Liquid	0.855	43.6	EX3DV4 – SN7853, 2024-11-07	DAE4ip Sn1844, 2024-11-06

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.454
Power Drift [dB]	-0.01
Peak SAR (Extrapolated) [W/kg]	0.607
M2/M1 [%]	89.2
Dist 3dB Peak [mm]	> 15.0



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	2.4 GHz WIFI	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle), 10315	WLAN	Ch. 2	2417.000	7.02, 6.86,7.36

Test Setup

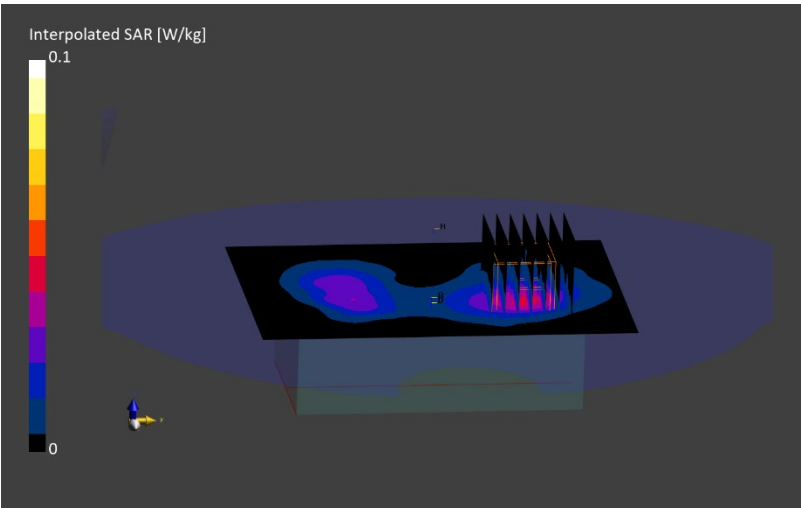
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.6	20.6	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	1.76	38.2	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	30.0 x 30.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.038
Power Drift [dB]	-0.18
Peak SAR (Extrapolated) [W/kg]	0.073
M2/M1 [%]	84.4
Dist 3dB Peak [mm]	9.3



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00413

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	5 GHz WIFI	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle), 10583	WLAN	Ch. 60	5300.000	5.28, 5.16,5.54

Test Setup

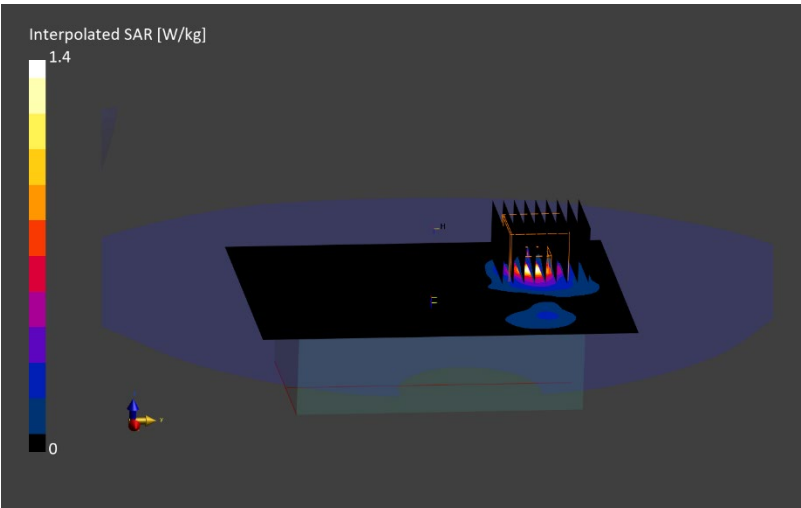
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-30	23.7	22	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	4.51	33.2	EX3DV4 – SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	32.0 x 32.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.4
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.368
Power Drift [dB]	-0.03
Peak SAR (Extrapolated) [W/kg]	1.40
M2/M1 [%]	60.0
Dist 3dB Peak [mm]	6.4



RF SAFETY LABORATORY

DUT: AFJ448000; SN: 00409

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, BACK, 0.00	2.4 GHz Bluetooth	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	Bluetooth	Ch. 39	2441.000	7.84, 7.84,7.84

Test Setup

Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-01-27	23.3	22.4	16.4.0.5005	Twin-SAM V8.0 – 2159	Head Simulating Liquid	1.83	39.0	EX3DV4 – SN7872, 2024-03-15	DAE4ip Sn1843, 2024-08-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 160.0	45.0 x 45.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.012
Power Drift [dB]	-0.16
Peak SAR (Extrapolated) [W/kg]	0.137
M2/M1 [%]	1.7
Dist 3dB Peak [mm]	2.0

