

Appendix A: SAR Test Plots

RF SAFETY LABORATORY

DUT: A04828; SN: 71808

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, EDGE RIGHT, 0.00	2.4 GHz WIFI	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle), 10315	2.4 GHz Antenna	Ch. 1	2412.000	6.72, 7.08, 6.68

Test Setup

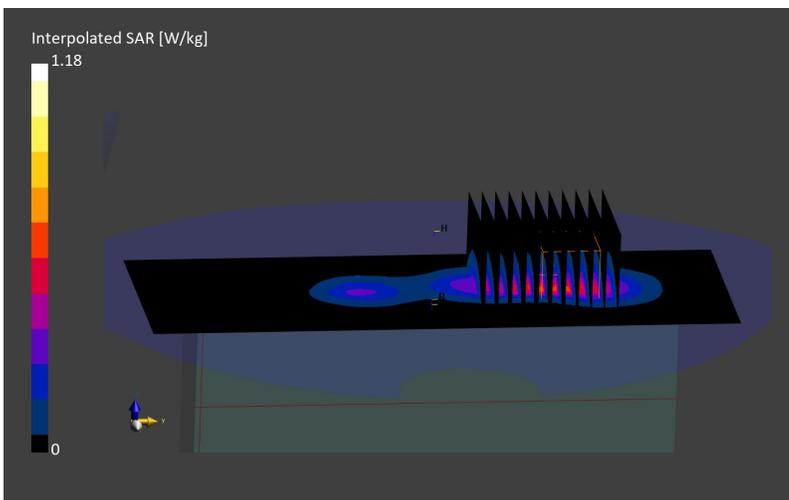
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-23	22.9	22.2	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.79	39.1	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 220.0	50.0 x 50.0 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]	0.521
Power Drift [dB]	-0.17
Peak SAR (Extrapolated) [W/kg]	1.18
M2/M1 [%]	76.1
Dist 3dB Peak [mm]	7.1



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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Extremity	Flat, FRONT, 0.00	2.4 GHz WIFI	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle), 10315	2.4 GHz Antenna	Ch. 6	2437.000	6.72, 7.08, 6.68

Test Setup

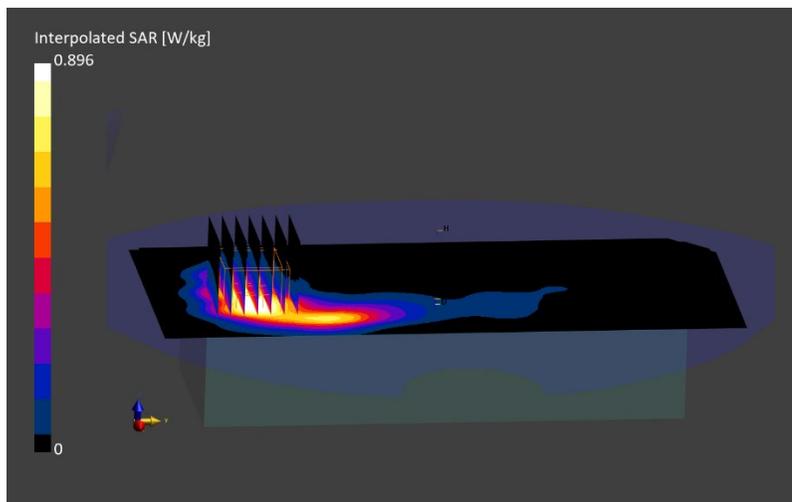
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-20	22.9	21.9	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.81	38.8	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 220.0	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

psSAR10g [W/Kg]	0.283
Power Drift [dB]	0.03
Peak SAR (Extrapolated) [W/kg]	0.896
M2/M1 [%]	83.8
Dist 3dB Peak [mm]	13.5



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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body	Flat, EDGE RIGHT, 0.00	2.4 GHz Bluetooth	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Antenna	Ch. 0	2402.000	6.72, 7.08, 6.68

Test Setup

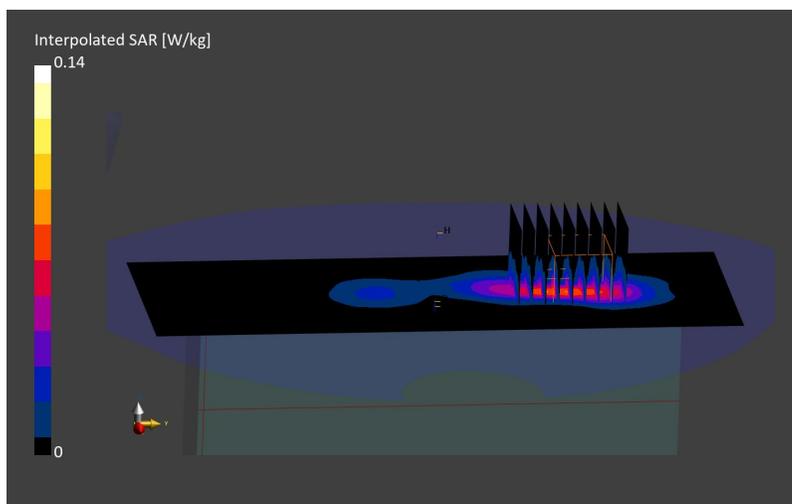
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-23	22.9	22.2	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.78	39.2	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 220.0	30.0 x 40.0 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]	0.062
Power Drift [dB]	-0.01
Peak SAR (Extrapolated) [W/kg]	0.140
M2/M1 [%]	75.6
Dist 3dB Peak [mm]	7.0



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)
Extremity	Flat, FRONT, 0.00	2.4 GHz Bluetooth	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Antenna	Ch. 0	2402.000	6.72, 7.08, 6.68

Test Setup

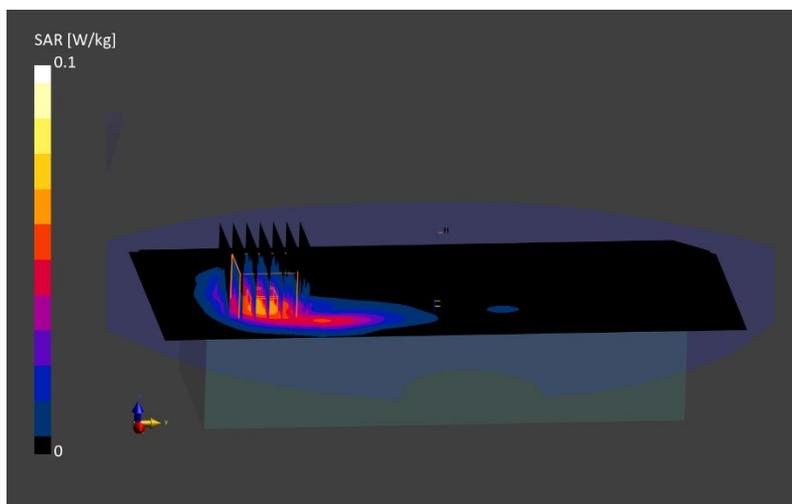
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-23	22.9	22.2	16.4.0.5005	Twin-SAM V8.0 – 2159	Head Simulating Liquid	1.78	39.2	EX3DV4 – SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 220.0	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

psSAR10g [W/Kg]	0.032
Power Drift [dB]	0.18
Peak SAR (Extrapolated) [W/kg]	0.098
M2/M1 [%]	88.5
Dist 3dB Peak [mm]	10.9



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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body/Extremity	Flat, FRONT, 0.00	2.4 GHz ANT/ANT+	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Antenna	Ch. 39	2441.000	6.72, 7.08, 6.68

Test Setup

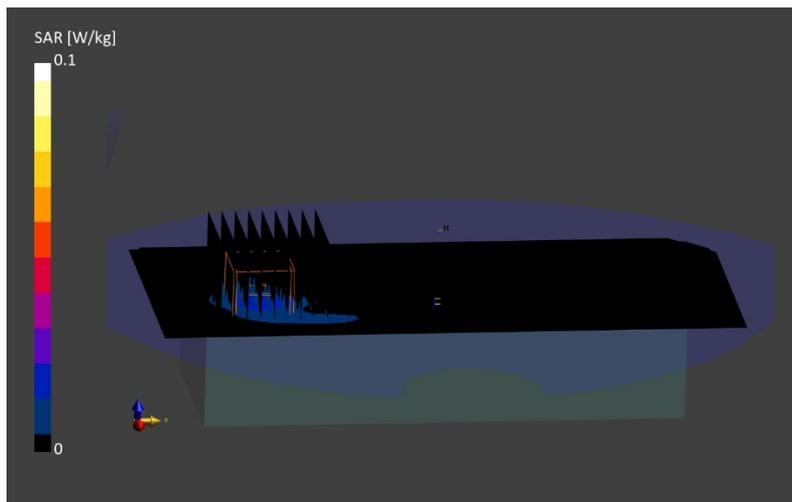
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-25	22.9	22.6	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.82	38.7	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 220.0	40.0 x 40.0 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]	0.017
psSAR10g [W/Kg]	0.008
Power Drift [dB]	-0.09
Peak SAR (Extrapolated) [W/kg]	0.031
M2/M1 [%]	94.7
Dist 3dB Peak [mm]	8.7



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Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body/Extremity	Flat, FRONT, 0.00	Iridium L-Band	Pulse Waveform (200Hz, 10%), 10658	Iridium	Ch. 121	1621.000	7.65, 7.48, 8.02

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
2025-06-30	23.1	22.6	16.4.0.5005	Twin-SAM V8.0 - 2165	Head Simulating Liquid	1.28	38.8	EX3DV4 - SN7836, 2024-09-12	DAE4ip Sn1839, 2024-09-04

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	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]	1.300
psSAR10g [W/Kg]	0.699
Power Drift [dB]	-0.12
Peak SAR (Extrapolated) [W/kg]	2.37
M2/M1 [%]	82.4
Dist 3dB Peak [mm]	11.9

