

Appendix A: SAR Test Plots

RF SAFETY LABORATORY

DUT: AA4828; SN: 72139

Test Conditions

Exposure Condition	Position, Test Distance [mm]	Band	Signal, UID	Ant.	Channel Number	Frequency [MHz]	ConvF (x,y,z)
Body/Extremity	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 Ant	Ch. 11	2462.000	6.72, 7.08, 6.68

Test Setup

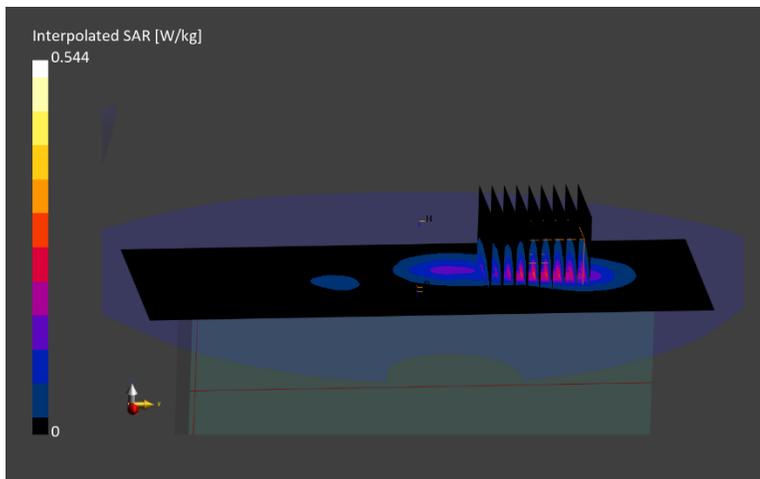
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-20	22.9	21.9	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.83	38.8	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 220.0	38.4 x 38.4 x 31.2
Grid Steps [mm]	10.0 x 10.0	4.8 x 4.8 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.248
psSAR10g [W/Kg]	0.115
Power Drift [dB]	-0.02
Peak SAR (Extrapolated) [W/kg]	0.544
M2/M1 [%]	78.9
Dist 3dB Peak [mm]	6.8



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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, EDGE RIGHT, 0.00	2.4 GHz Bluetooth	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Ant	Ch. 0	2402.000	6.72, 7.08, 6.68

Test Setup

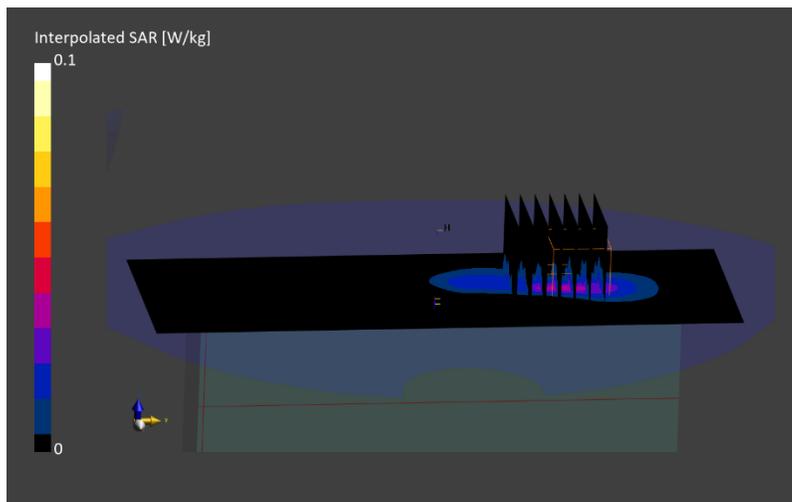
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-25	22.9	22.6	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.79	38.8	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 220.0	36.8 x 36.8 x 31.2
Grid Steps [mm]	10.0 x 10.0	4.6 x 4.6 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5
MAIA	Y	Y

Measurement Results

psSAR1g [W/Kg]	0.027
psSAR10g [W/Kg]	0.011
Power Drift [dB]	0.04
Peak SAR (Extrapolated) [W/kg]	0.067
M2/M1 [%]	81.5
Dist 3dB Peak [mm]	4.6



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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 ANT/ANT+	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Ant	Ch. 2	2404.000	6.72, 7.08, 6.68

Test Setup

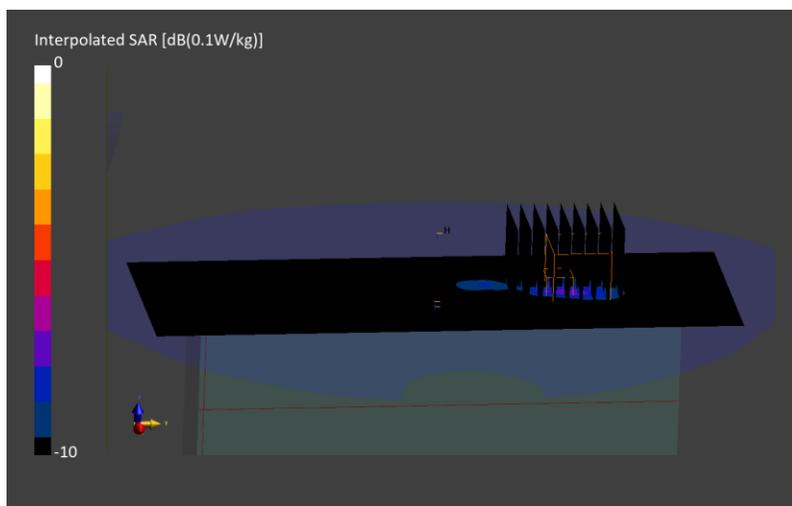
Test Date	Ambient Temp [°C]	TSL Temp [°C]	Measurement SW	Phantom	Type	Cond. [S/m]	TSL Perm.	Probe, Cal. Date	DAE, Cal. Date
2025-06-25	22.9	22.6	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.79	38.8	EX3DV4 - SN7859, 2025-05-05	DAE4ip Sn1905, 2025-04-25

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]	0.015
Power Drift [dB]	0.08
Peak SAR (Extrapolated) [W/kg]	0.037
M2/M1 [%]	91.1
Dist 3dB Peak [mm]	5.1



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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 ANT/ANT+	IEEE 802.15.1 Bluetooth (GFSK, DH5), 10032	2.4 GHz Ant	Ch. 2	2404.000	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
2025-06-29	23.1	22.9	16.4.0.5005	Twin-SAM V8.0 - 2159	Head Simulating Liquid	1.75	37.4	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

psSAR10g [W/Kg]	0.007
Power Drift [dB]	0.16
Peak SAR (Extrapolated) [W/kg]	0.022
M2/M1 [%]	94.0
Dist 3dB Peak [mm]	6.1

