

Appendix A: SAR Test Plots

RF SAFETY LABORATORY

DUT: M920SRW-B, Bare Module; SN: 901015R

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	RFID 920 MHz	CW, 0	920 MHz Antenna	1	917.100	9.05, 9.79,8.99

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
2025-11-13	21.9	21	16.4.0.5005	Twin-SAM V8.0 – 2165	Head Simulating Liquid	0.935	45.3	EX3DV4 – SN7872, 2025-08-08	DAE4ip Sn1843, 2025-07-30

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 90.0	38.4 x 38.4 x 31.2
Grid Steps [mm]	15.0 x 15.0	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]	0.624
psSAR10g [W/Kg]	0.239
Power Drift [dB]	0.01
Peak SAR (Extrapolated) [W/kg]	2.00
M2/M1 [%]	60.3
Dist 3dB Peak [mm]	6.1

