

Appendix B – System Check Plots

Test Date : 2025-06-19 | Ambient Temp : 22.8 °C | Tissue Temp : 21.9 °C

System Performance Check

System Performance Check at 5600 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D5GHz	1021	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	CW	5600.000	4.56	4.83	34.4

Hardware Setup

Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2024-09-18	DAE4 Sn1743 / 2024-09-19
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.82	4.18
psSAR-10g [W/kg]	1.11	1.19
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only

