

## Appendix B – System Check Plots

Test Date : 2025-05-13 | Ambient Temp : 22.7 °C | Tissue Temp : 22.1 °C

### System Performance Check

#### System Performance Check at 5250 MHz

#### Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D5GHz	1358	17.0

#### Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	CW	5250.000	5.56	4.32	33.8

#### Hardware Setup

Phantom	Tissue Simulating Liquid	Probe   Calibration Date	DAE   Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
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]	3.53	<b>3.81</b>
psSAR-10g [W/kg]	1.04	<b>1.10</b>
Power Drift [dB]		-0.07
TSL Correction	Positive only	Positive only

