

Appendix B – System Check Plots

Test Date : 2026-01-19 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

System Performance Check

System Performance Check at 2450 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D2450V2	1087	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	2450.000	6.6	39.7	1.80

Hardware Setup

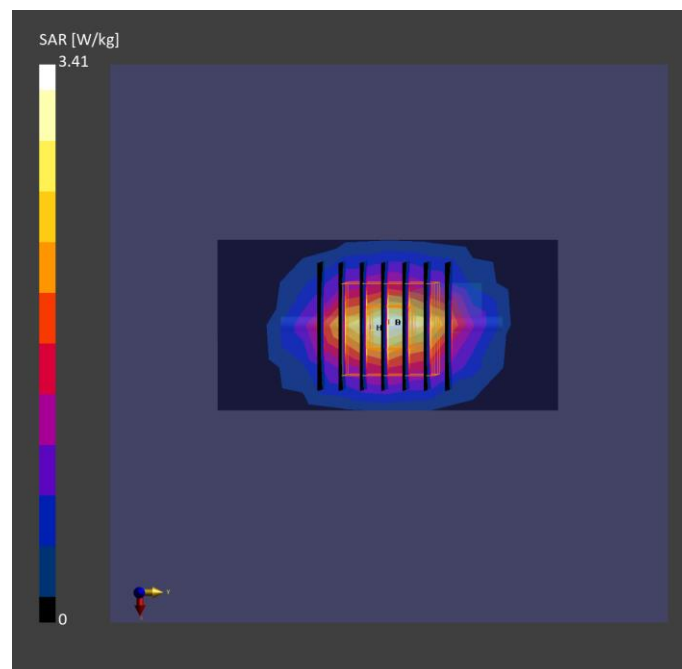
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7757 / 2025-09-25	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	2.63	2.61
psSAR-10g [W/kg]	1.26	1.23
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only



Test Date : 2026-01-20 | Ambient Temp : 21.8 °C | Tissue Temp : 21.6 °C

System Performance Check**System Performance Check at 5250 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D5GHzV2	1358	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	5250.000	4.93	34.7	4.54

Hardware Setup

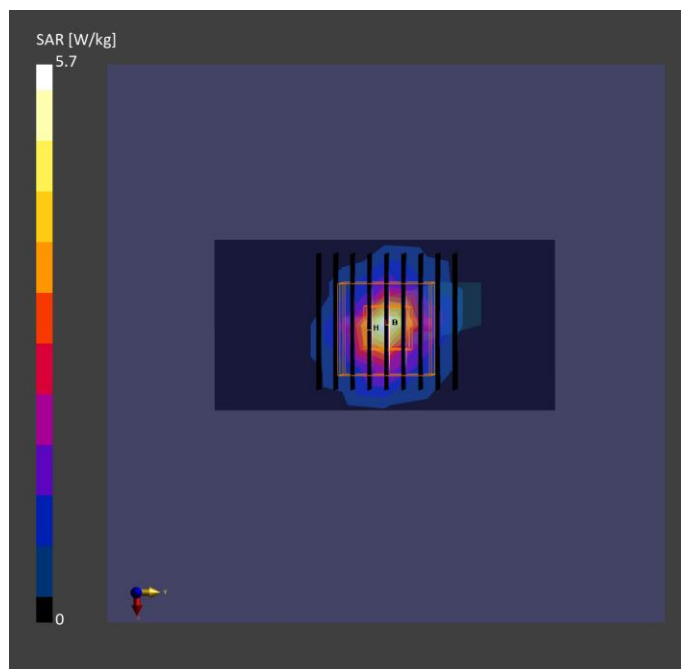
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7757 / 2025-09-25	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		16.4.0.5005	

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]	3.79	3.75
psSAR-10g [W/kg]	1.09	1.08
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only



Test Date : 2026-01-21 | Ambient Temp : 21.7 °C | Tissue Temp : 21.4 °C

System Performance Check**System Performance Check at 5600 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D5GHzV2	1358	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	5600.000	4.56	34.4	4.97

Hardware Setup

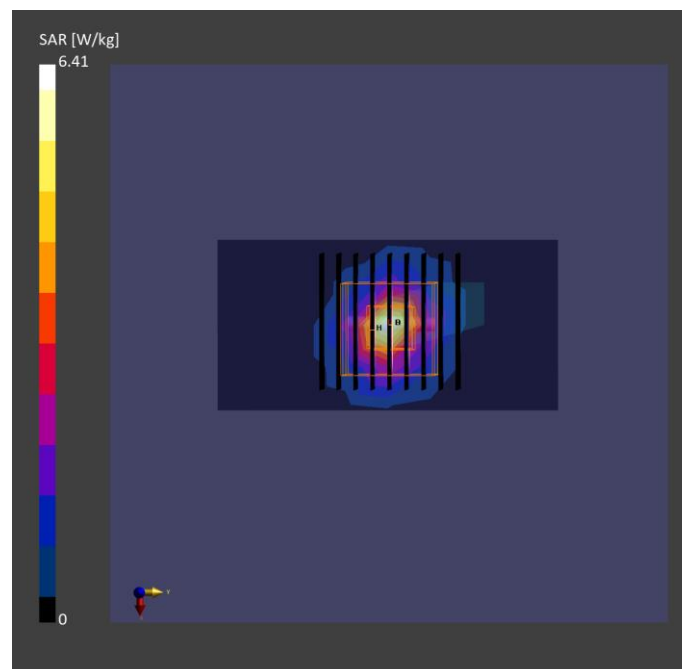
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7757 / 2025-09-25	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		16.4.0.5005	

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]	4.31	4.42
psSAR-10g [W/kg]	1.22	1.26
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only



Test Date : 2026-01-22 | Ambient Temp : 21.9 °C | Tissue Temp : 21.6 °C

System Performance Check**System Performance Check at 5800 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D5GHzV2	1358	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	5800.000	4.34	34.9	4.91

Hardware Setup

Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7757 / 2025-09-25	DAE4 Sn1743 / 2025-09-11
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]	3.96	4.03
psSAR-10g [W/kg]	1.09	1.14
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only

