

Appendix B – System Check Plots

Test Date : 2026-7-29 | Ambient Temp : 22.9 °C | Tissue Temp : 21.9 °C

System Performance Check**System Performance Check at 750 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D750V3	1222	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	750.000	10.0	44.0	0.847

Hardware Setup

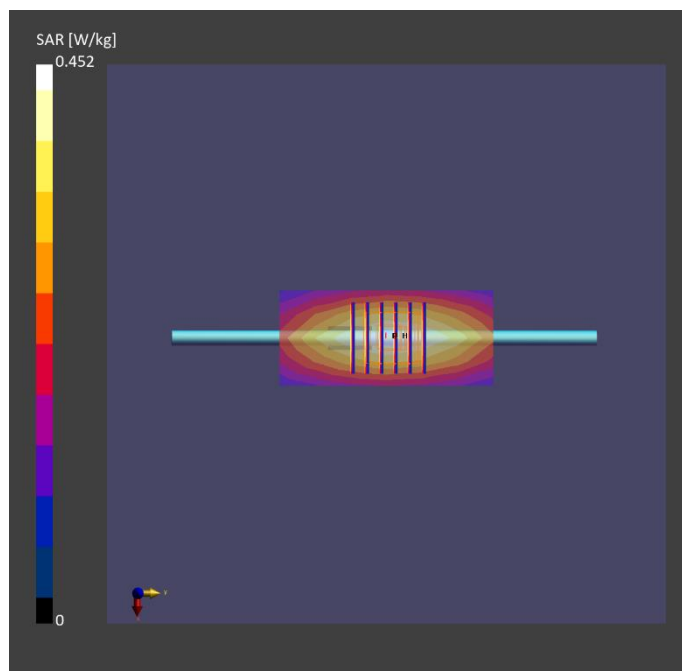
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2026-06-03	DAE4 Sn1669 / 2026-05-19
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 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]	0.413	0.411
psSAR-10g [W/kg]	0.272	0.270
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only



Test Date : 2026-07-28 | Ambient Temp : 22.8 °C | Tissue Temp : 21.8 °C

System Performance Check

System Performance Check at 1800 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D1800V2	2d167	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	1800.000	8.07	42.0	1.36

Hardware Setup

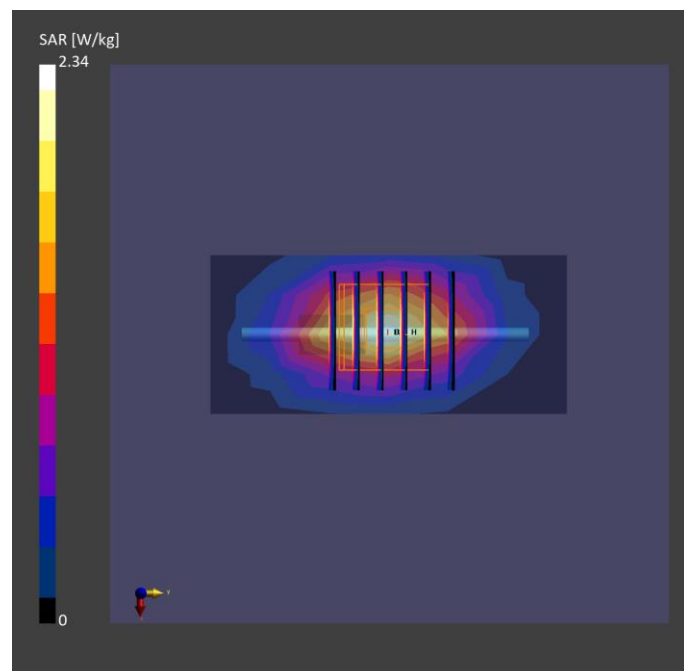
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2026-06-03	DAE4 Sn1669 / 2026-05-19
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 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]	1.96	1.99
psSAR-10g [W/kg]	1.03	1.06
Power Drift [dB]		0.00
TSL Correction	Positive only	Positive only



Test Date : 2026-07-28 | Ambient Temp : 22.8 °C | Tissue Temp : 21.8 °C

System Performance Check

System Performance Check at 1900 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D1900V2	5d111	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	1900.000	7.9	41.8	1.42

Hardware Setup

Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2026-06-03	DAE4 Sn1669 / 2026-05-19
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 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]	2.13	2.09
psSAR-10g [W/kg]	1.10	1.11
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only

