

Appendix B – System Check Plots

Test Date : 2026-01-08 | Ambient Temp : 21.5 °C | Tissue Temp : 21.1 °C

System Performance Check**System Performance Check at 3500 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D3500V2	1013	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	3500.000	6.74	37.9	2.78

Hardware Setup

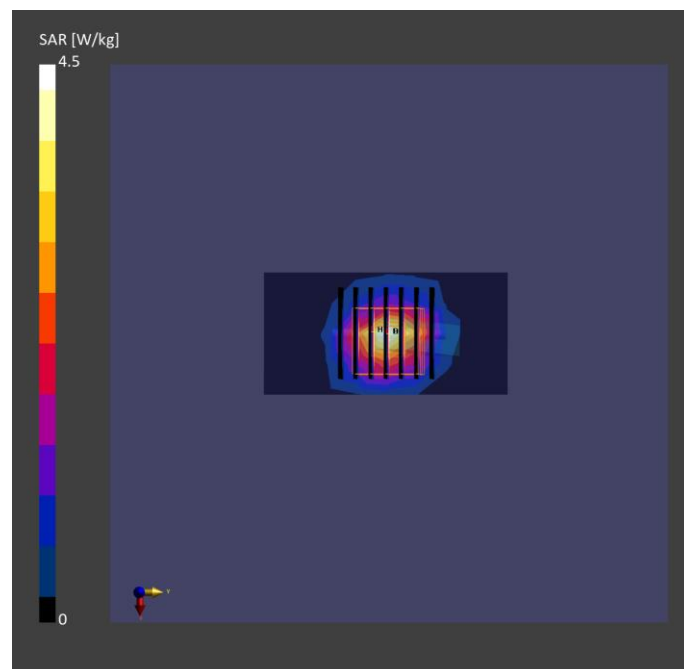
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL-600-10000	EX3DV4 - SN7650 / 2025-06-10	DAE4 Sn1742 / 2025-08-13
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
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]	3.23	3.22
psSAR-10g [W/kg]	1.24	1.24
Power Drift [dB]		0.00
TSL Correction	Positive only	Positive only



Test Date : 2026-01-08 | Ambient Temp : 21.5 °C | Tissue Temp : 21.1 °C

System Performance Check**System Performance Check at 3700 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D3700V2	1034	17.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	3700.000	6.66	37.6	2.96

Hardware Setup

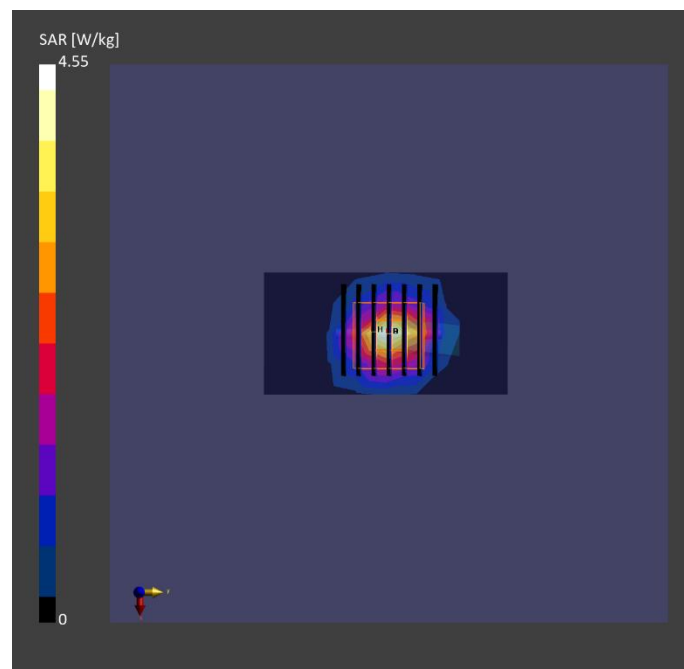
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL-600-10000	EX3DV4 - SN7650 / 2025-06-10	DAE4 Sn1742 / 2025-08-13
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
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]	3.20	3.21
psSAR-10g [W/kg]	1.18	1.19
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only



Test Date : 2025-12-01 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °C

System Performance Check

System Performance Check at 6500 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D6GHzV2	1081	20.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	6500.000	4.63	32.0	5.93

Hardware Setup

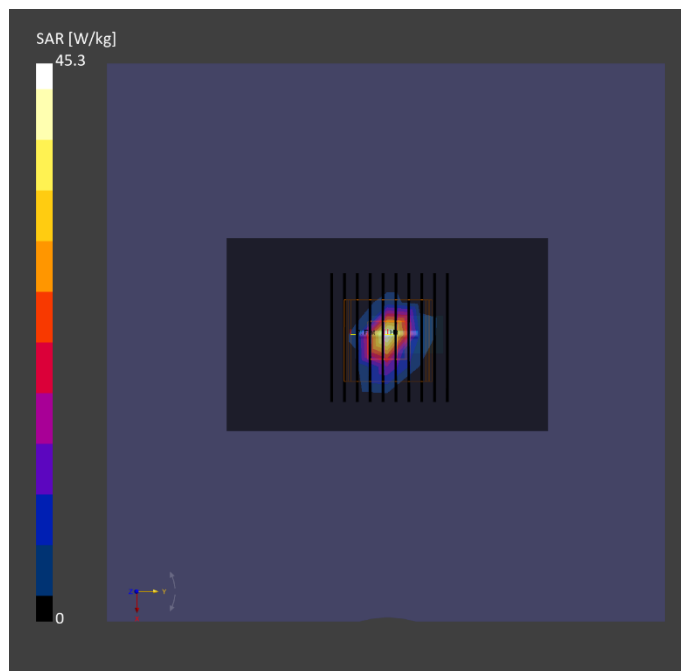
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL600-10000	EX3DV4 - SN7756 / 2025-08-19	DAE4 Sn1742 / 2025-08-13
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 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]	23.4	27.3
psSAR-8g [W/kg]	5.60	6.20
psSAR-10g [W/kg]	4.64	5.13
psAPD (1.0 cm ² , sq) [W/m ²]		273
psAPD (4.0 cm ² , sq) [W/m ²]		124
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only



Test Date : 2025-12-02 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

System Performance Check**System Performance Check at 6500 MHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D6GHzV2	1081	20.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	6500.000	4.63	33.5	6.22

Hardware Setup

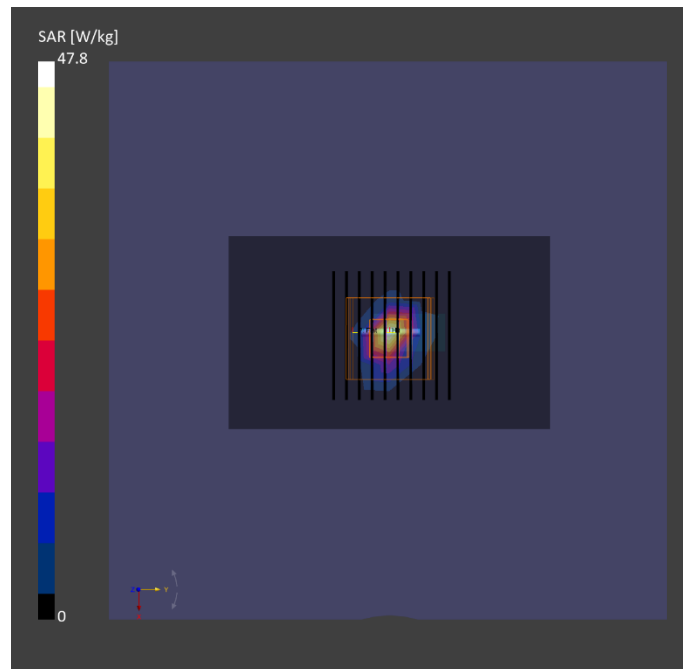
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL600-1000	EX3DV4 - SN7756 / 2025-08-19	DAE4 Sn1742 / 2025-08-13
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 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]	24.8	28.7
psSAR-8g [W/kg]	5.91	6.52
psSAR-10g [W/kg]	4.90	5.39
psAPD (1.0 cm ² , sq) [W/m ²]		287
psAPD (4.0 cm ² , sq) [W/m ²]		130
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only



Test Date : 2025-12-03 | Ambient Temp : 22.4 °C | Tissue Temp : 21.3 °C

System Performance Check

System Performance Check at 6500 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D6GHzV2	1081	20.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	6500.000	4.63	33.4	6.22

Hardware Setup

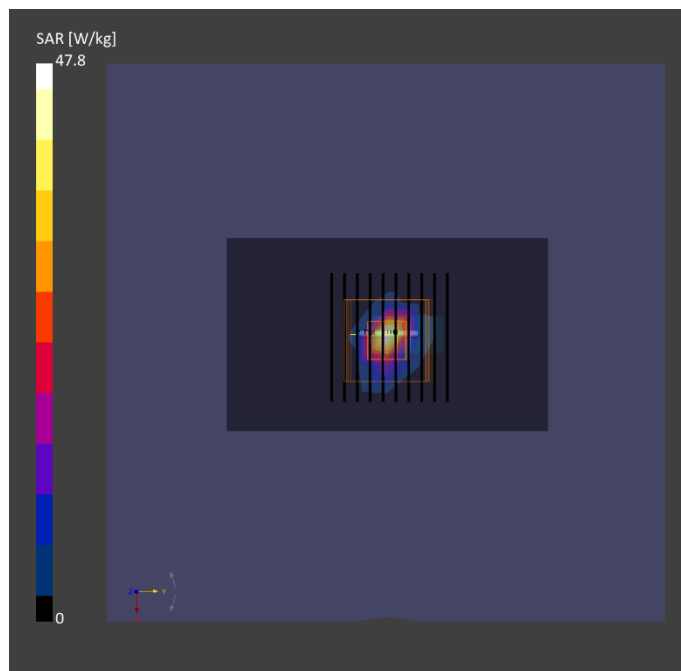
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2101	HBBL600-10000	EX3DV4 - SN7756 / 2025-08-19	DAE4 Sn1742 / 2025-08-13
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 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]	24.8	28.8
psSAR-8g [W/kg]	5.92	6.54
psSAR-10g [W/kg]	4.91	5.42
psAPD (1.0 cm ² , sq) [W/m ²]		288
psAPD (4.0 cm ² , sq) [W/m ²]		131
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only



Test Date : 2025-12-11 | Ambient Temp : 22.2 °C

System Performance Check

System Performance Check at 10GHz

Verification Source Properties

Manufacturer	Model No.	Serial No.
SPEAG	H10GVx	1060

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor
5G	CW	10000.0	1.0

Hardware Setup

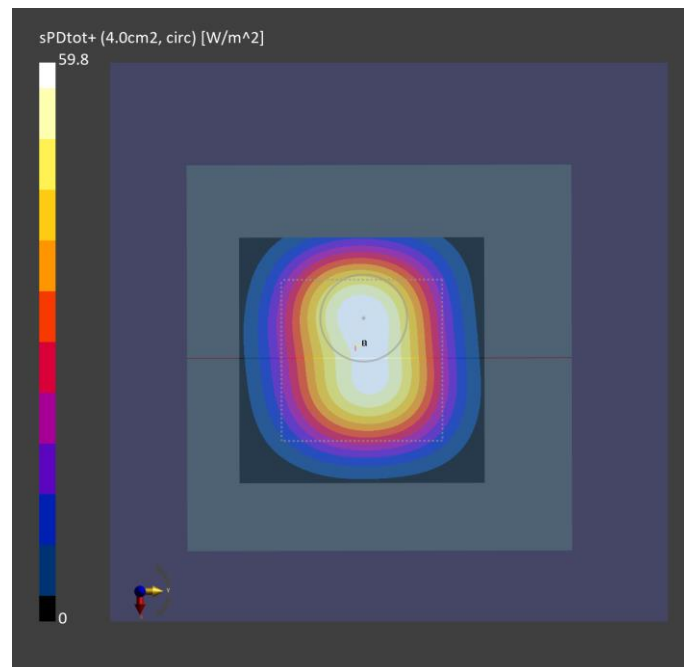
Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1- 55GHz / 2025-09-11	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		v3.2.2.2358	

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [mm]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	59.5
psPD tot+ [W/m ²]	59.8
psPD mod+ [W/m ²]	56.3
E max [V/m]	63.9
Power Drift [dB]	0.06



Test Date : 2025-12-12 | Ambient Temp : 22.3 °C

System Performance Check**System Performance Check at 10GHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.
SPEAG	H10GVx	1060

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor
5G	CW	10000.0	1.0

Hardware Setup

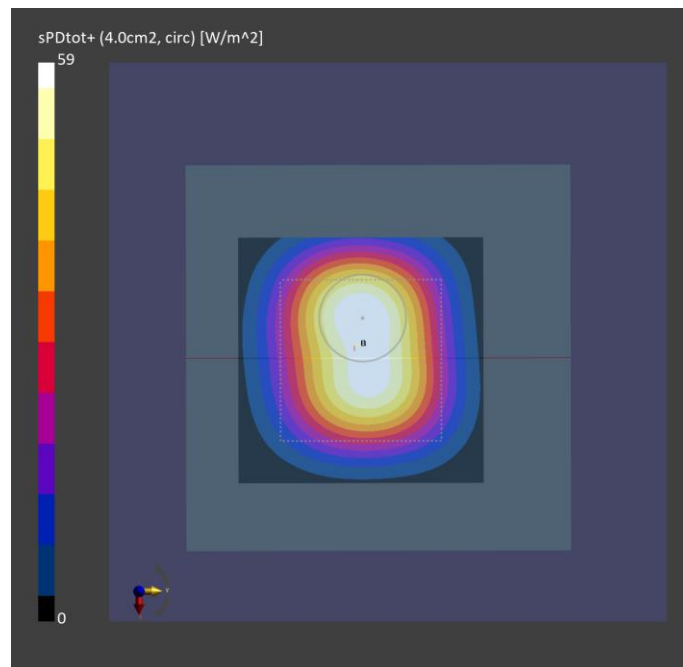
Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1- 55GHz / 2025-09-11	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		v3.2.2.2358	

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [mm]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	58.7
psPD tot+ [W/m ²]	59.0
psPD mod+ [W/m ²]	55.5
E max [V/m]	57.8
Power Drift [dB]	0.05



Test Date : 2025-12-13 | Ambient Temp : 22.7 °C

System Performance Check**System Performance Check at 10GHz****Verification Source Properties**

Manufacturer	Model No.	Serial No.
SPEAG	H10GVx	1060

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor
5G	CW	10000.0	1.0

Hardware Setup

Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1- 55GHz / 2025-09-11	DAE4 Sn1743 / 2025-09-11
Measurement Software Version		v3.2.2.2358	

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [mm]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	54.2
psPD tot+ [W/m ²]	54.6
psPD mod+ [W/m ²]	55.1
E max [V/m]	159
Power Drift [dB]	0.01

