

Appendix B – System Check Plots

Test Date : 2025-08-28 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

System Performance Check

System Performance Check at 6500 MHz

Verification Source Properties

Manufacturer	Model No.	Serial No.	Input Power [dBm]
SPEAG	D6500	1081	20.0

Exposure Conditions

Phantom Section	Group	Frequency [MHz]	Conversion Factor	TSL Permittivity	TSL Conductivity [S/m]
Flat	CW	6500.000	5.66	32.4	6.23

Hardware Setup

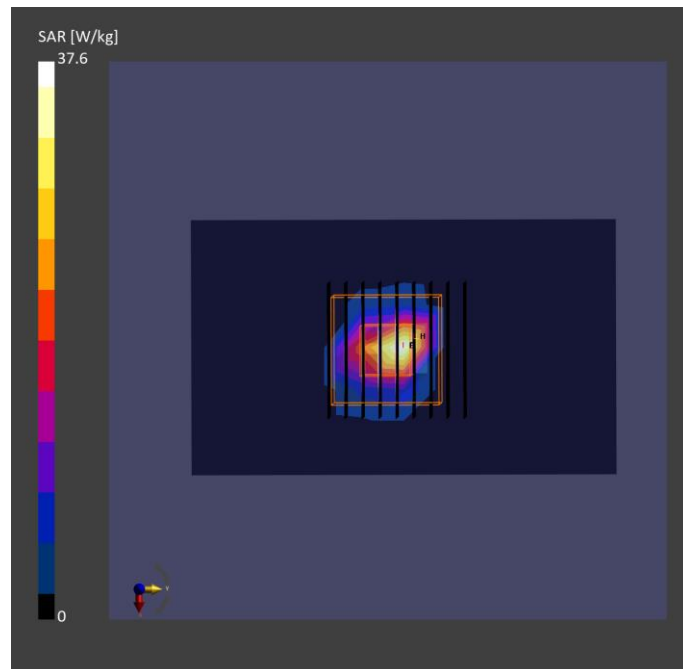
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2040	HBBL-600-10000	EX3DV4 - SN3977 / 2025-03-18	DAE4 Sn779 / 2025-05-19
Measurement Software Version		16.4.0.5005	

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]	22.2	27.5
psSAR-8g [W/kg]	5.68	6.23
psSAR-10g [W/kg]	4.72	5.15
psAPD (1.0 cm ² , sq) [W/m ²]		275
psAPD (4.0 cm ² , sq) [W/m ²]		124
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only



Test Date : 2025-08-29 | Ambient Temp : 22.8 °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

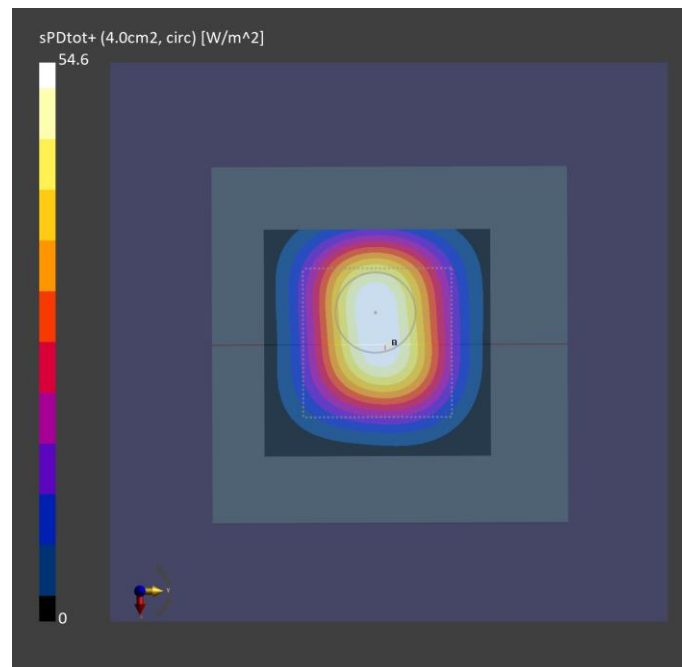
Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1- 55GHz / 2024-09-16	DAE4 Sn1743 / 2024-09-19
Measurement Software Version		3.2.2.2358	

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



Test Date : 2025-08-30 | 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 / 2024-09-16	DAE4 Sn1743 / 2024-09-19
Measurement Software Version		3.2.2.2358	

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]	51.9
psPD tot+ [W/m ²]	52.2
psPD mod+ [W/m ²]	52.6
E max [V/m]	148
Power Drift [dB]	-0.09

