

Appendix D

Per standard guidance, dipoles longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- a. When the measured SAR deviates from the calibrated SAR value by less than 10%.
- b. When the most recent return loss result, measured at least annually, deviates by less than 20% from the previous measurement.
- c. When the most recent measurement of the impedance, measured at least annually, deviates by less than 5 Ω from the previous measurement.

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RETURN LOSS

Report No.: TESA2605000311EN

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				TARGET	MEAS.	DEVIATION	EVALUATION	TEST DATE
Calibration By CCTL				(dB)	(dB)	(%)	(PASS/FAIL)	
TYPE	SN.	FREQ.	CAL.DATE					
D1900V2	5d173	1900 MHZ	2025/04/16	-26.761	-24.455	8.62%	PASS	2025/12/03
D2450V2	727	2450 MHZ	2025/04/15	-26.110	-23.820	8.77%	PASS	2025/12/03
D5GHzV2	1349	5250 MHZ	2024/03/19	-28.917	-30.556	5.67%	PASS	2025/12/03
D5GHzV2	1349	5600 MHZ	2024/03/19	-25.691	-22.447	12.63%	PASS	2025/12/03
D5GHzV2	1349	5750 MHZ	2024/03/19	-26.309	-27.965	6.30%	PASS	2025/12/03
D5GHzV2	1349	5850 MHZ	2024/03/19	-26.575	-22.669	14.70%	PASS	2025/12/03

IMPEDANCE

				TARGET	MEAS.	DEVIATION	EVALUATION	TEST DATE
Calibration By CCTL				(Ω)	(Ω)	(Ω)	(PASS/FAIL)	
TYPE	SN.	FREQ.	CAL.DATE					
D1900V2	5d173	1900 MHZ	2025/04/16	50.948	50.955	0.007	PASS	2025/12/03
D2450V2	727	2450 MHZ	2025/04/15	54.680	51.414	3.266	PASS	2025/12/03
D5GHzV2	1349	5250 MHZ	2024/03/19	46.841	51.454	4.613	PASS	2025/12/03
D5GHzV2	1349	5600 MHZ	2024/03/19	52.406	49.238	3.168	PASS	2025/12/03
D5GHzV2	1349	5750 MHZ	2024/03/19	52.642	50.719	1.923	PASS	2025/12/03
D5GHzV2	1349	5850 MHZ	2024/03/19	54.732	57.935	3.203	PASS	2025/12/03

SYSTEM CHECK

				TARGET		MEAS.		DEVIATION		EVALUATION	TEST DATE
Calibration By CCTL				1g SAR (W/kg)	10g SAR (W/kg)	1g SAR (W/kg)	10g SAR (W/kg)	1g	10g	(PASS/FAIL)	
TYPE	SN.	FREQ.	CAL.DATE								
D1900V2	5d173	1900 MHZ	2025/04/16	9.95	5.25	10.20	5.40	2.51%	2.51%	PASS	2025/12/03
D2450V2	727	2450 MHZ	2025/04/15	13.15	6.18	13.60	6.46	3.42%	3.42%	PASS	2025/12/03
D5GHzV2	1349	5250 MHZ	2024/03/19	8.09	2.31	7.69	2.15	4.94%	4.94%	PASS	2025/12/03
D5GHzV2	1349	5600 MHZ	2024/03/19	8.24	2.35	8.80	2.47	6.80%	6.80%	PASS	2025/12/03
D5GHzV2	1349	5750 MHZ	2024/03/19	8.08	2.30	8.67	2.42	7.30%	7.30%	PASS	2025/12/03
D5GHzV2	1349	5850 MHZ	2024/03/19	7.99	2.26	7.87	2.22	1.50%	1.50%	PASS	2025/12/03

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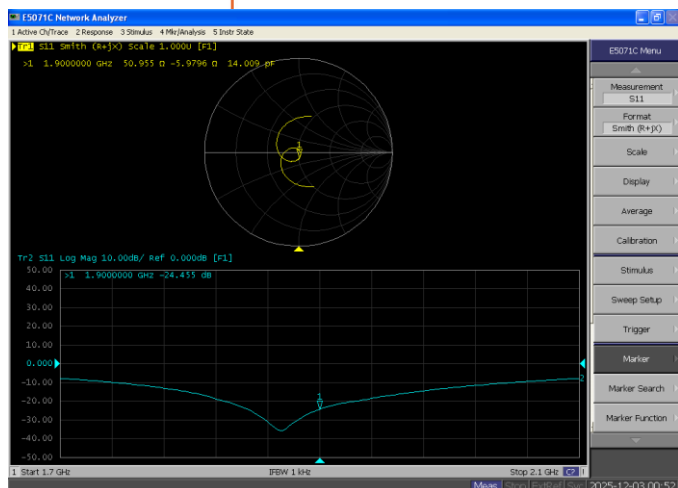
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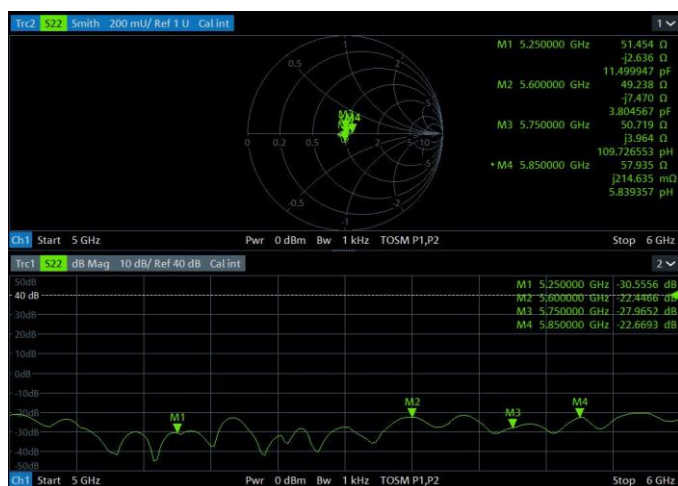
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D1900V2_5d173



D2450V2_727



D5GHzV2_1349

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Measurement Report

Dipole_1900 MHz-SN: 5d173

Ambient temperature: 23.5°C; Liquid temperature: 22.5°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	8.35	1.41	39.6

Hardware Setup

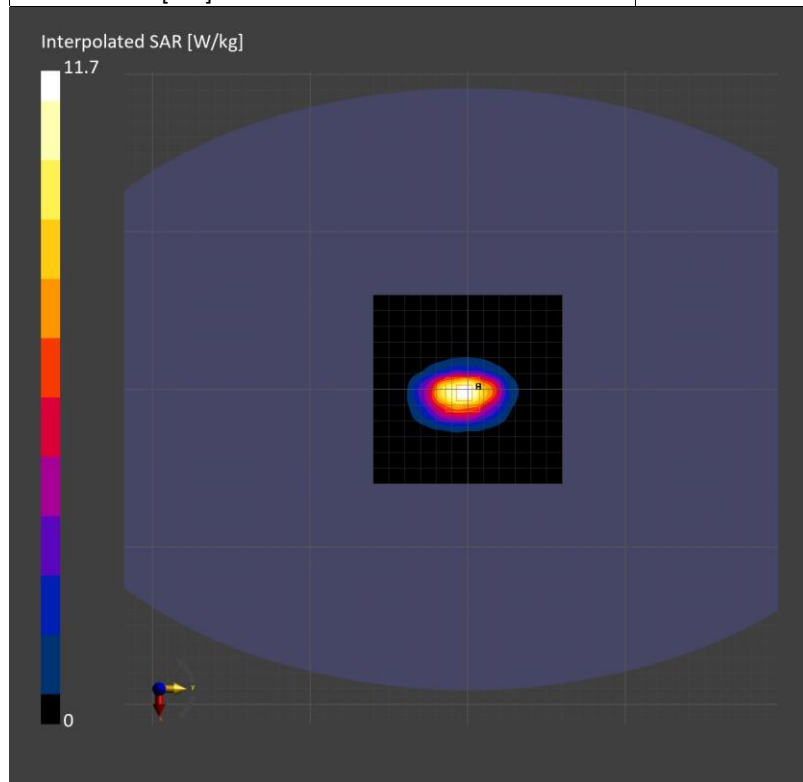
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7686, 2025-09-29	DAE4 Sn1665, 2025-03-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	105.0 x 105.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	9.43	10.2
psSAR8g [W/kg]	5.47	5.86
psSAR10g [W/kg]	5.03	5.40
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		10.1



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Measurement Report

Dipole_2450 MHz-SN:727

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	7.60	1.85	39.4

Hardware Setup

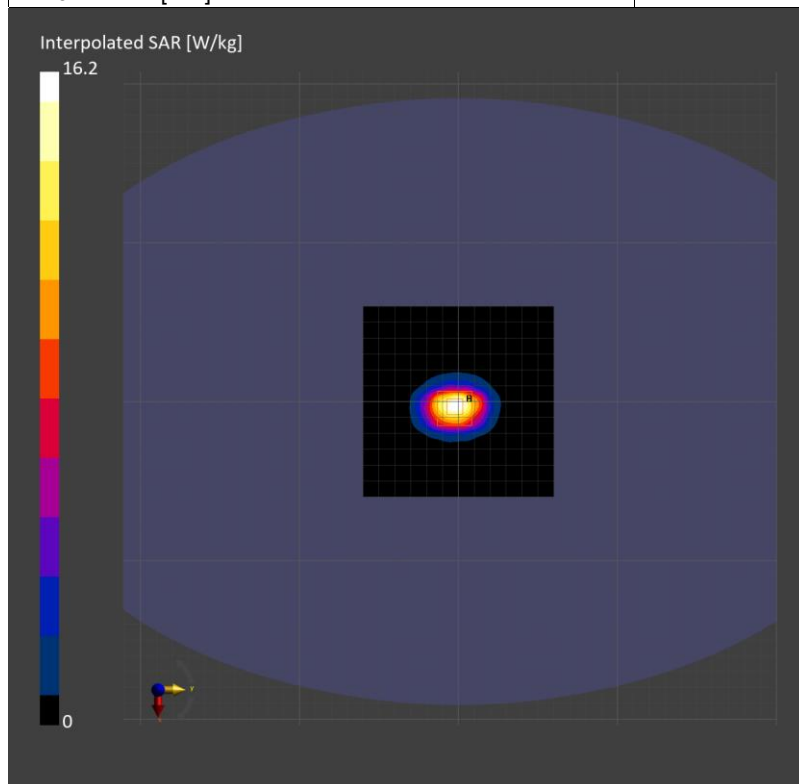
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	12.7	13.6
psSAR8g [W/kg]	6.80	7.12
psSAR10g [W/kg]	6.18	6.46
Power Drift [dB]	-0.01	0.00
M2/M1 [%]		52.1
Dist 3dB Peak [mm]		9.1



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Measurement Report**Dipole_5250 MHz-SN:1349****Ambient temperature: 23.2°C; Liquid temperature: 22.2°C****Exposure Conditions**

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.82	4.76	36.2

Hardware Setup

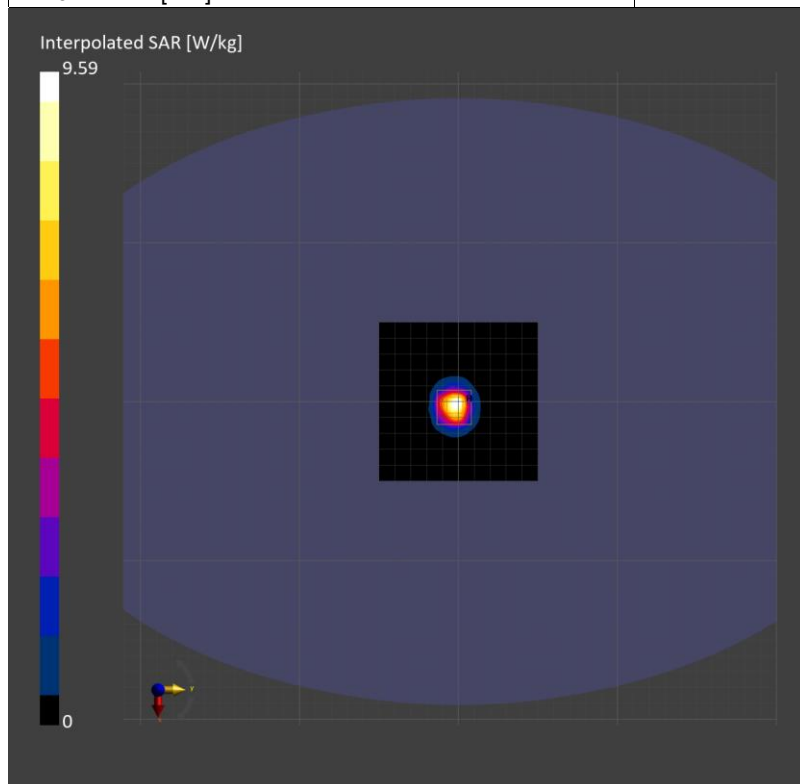
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	6.51	7.69
psSAR8g [W/kg]	2.34	2.54
psSAR10g [W/kg]	2.02	2.15
Power Drift [dB]	-0.01	-0.01
M2/M1 [%]		63.0
Dist 3dB Peak [mm]		7.4



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Measurement Report

Dipole_5600 MHz-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.44	5.13	35.8

Hardware Setup

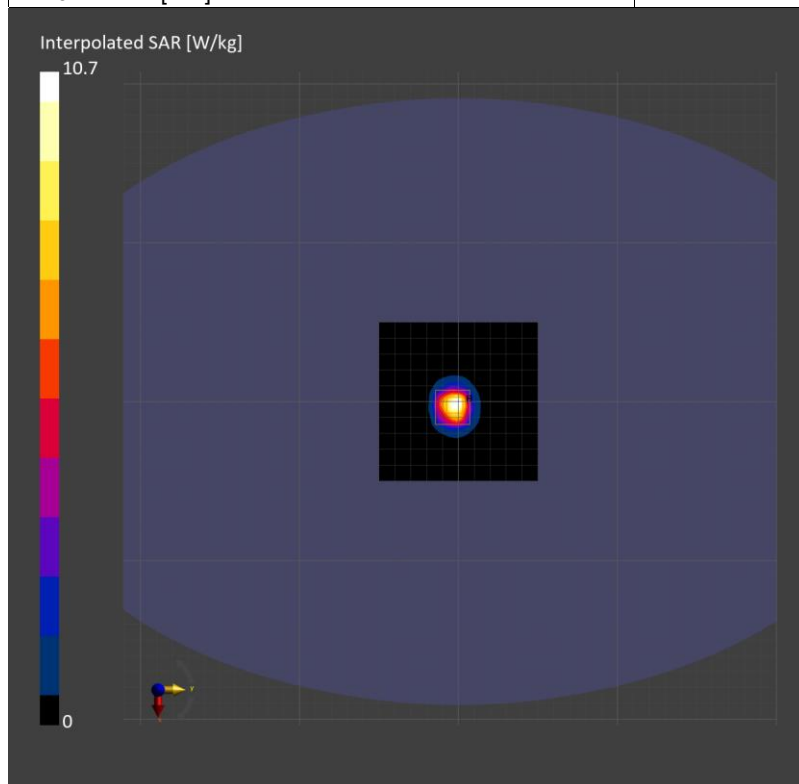
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	7.39	8.80
psSAR8g [W/kg]	2.65	2.91
psSAR10g [W/kg]	2.29	2.47
Power Drift [dB]	-0.00	-0.01
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		7.4



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Measurement Report

Dipole_5750 MHz-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.46	5.28	35.6

Hardware Setup

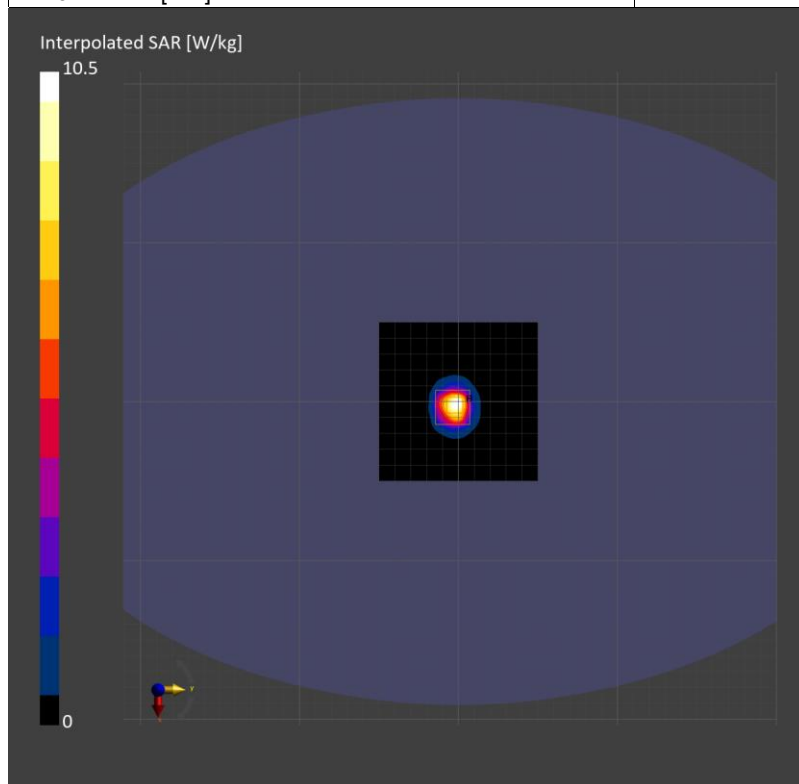
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	7.29	8.67
psSAR8g [W/kg]	2.60	2.85
psSAR10g [W/kg]	2.25	2.42
Power Drift [dB]	-0.01	0.01
M2/M1 [%]		59.1
Dist 3dB Peak [mm]		7.6



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Measurement Report

Dipole_5850 MHz-SN:1349

Ambient temperature: 23.2°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5.49	5.39	35.5

Hardware Setup

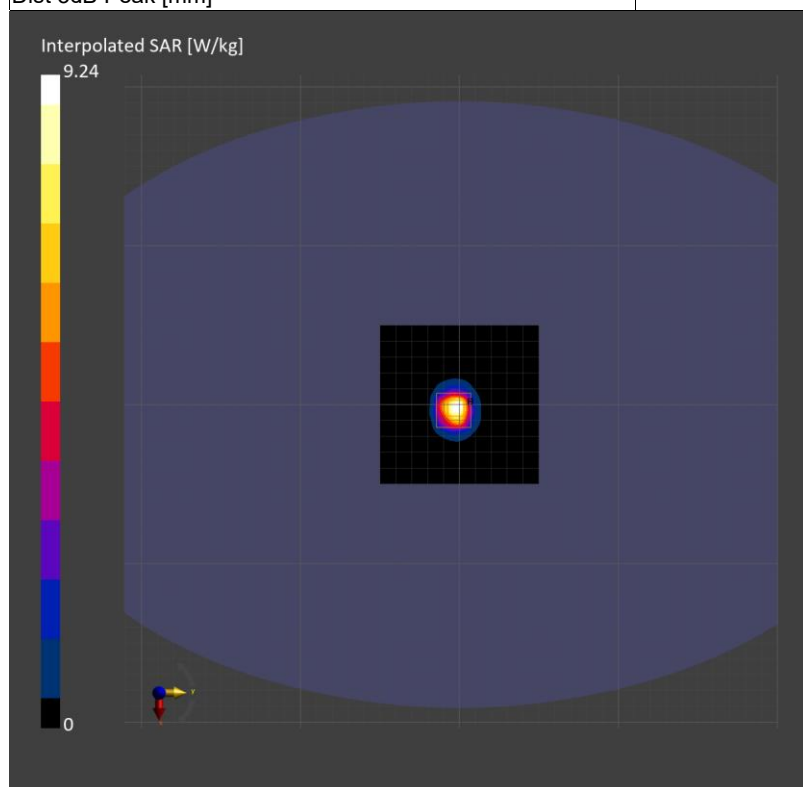
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7642, 2025-02-19	DAE4 Sn1260, 2025-09-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-03	2025-12-03
psSAR1g [W/kg]	6.54	7.87
psSAR8g [W/kg]	2.34	2.60
psSAR10g [W/kg]	2.03	2.22
Power Drift [dB]	-0.02	-0.01
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		7.6

**- End of report -**

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