

Appendix B: System Check

B.1. System Check

Prior to DUT assessments, the system is verified such that peak H-field is within 1.4 dB that is the measurement system uncertainty of 1.33 dB plus the maximum tolerated source drift of 0.43 dB, and the deviations in the peak induced E-field and SAR are within the combined uncertainties. The grid step and grid size used during the system check measurements are the same as during calibration. System check results were compared both numerically and visually to the calibration certificate.

Table B-1
System Check Results

Date	Probe SN	Frequency (kHz)	Source SN	Quantity	Units	Measured	Target	Deviation (dB)	Deviation (%)	Test Plot
7/30/2025	3119	85.0	1025	Peak H-Field	A/m	204.00	208.00	-0.17	-1.92%	C1
				Induced Peak E-Field 2mm cube avg.	V/m	3.29	3.37	-0.21	-2.37%	
				Induced Peak E-Field Local	V/m	3.31	3.40	-0.23	-2.65%	
				Induced Peak E-Field 5mm line avg.	V/m	3.32	3.41	-0.23	-2.64%	
				peak spatial SAR 1g avg.	mW/kg	6.35	6.52	-0.11	-2.61%	
peak spatial SAR 10g avg.	mW/kg	4.75	4.82	-0.06	-1.45%					
8/24/2025	3119	85.0	1025	Peak H-Field	A/m	200.00	208.00	-0.34	-3.85%	C2
				Induced Peak E-Field 2mm cube avg.	V/m	3.29	3.37	-0.21	-2.37%	
				Induced Peak E-Field Local	V/m	3.32	3.40	-0.21	-2.35%	
				Induced Peak E-Field 5mm line avg.	V/m	3.32	3.41	-0.23	-2.64%	
				peak spatial SAR 1g avg.	mW/kg	6.29	6.52	-0.16	-3.53%	
peak spatial SAR 10g avg.	mW/kg	4.70	4.82	-0.11	-2.49%					