# 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 4/13/2026 | 3119 | 85.0 | 1025 | Peak H-Field | A/m | 200.00 | 209.00 | -0.38 | -4.31% | C1 |
| | | | | Induced Peak E-Field 2mm cube avg. | V/m | 3.25 | 3.36 | -0.29 | -3.27% | |
| | | | | Induced Peak E-Field Local | V/m | 3.28 | 3.39 | -0.29 | -3.24% | |
| | | | | Induced Peak E-Field 5mm line avg. | V/m | 3.29 | 3.40 | -0.29 | -3.24% | |
| | | | | peak spatial SAR 1g avg. | mW/kg | 6.14 | 6.51 | -0.25 | -5.68% | |
| | | | | peak spatial SAR 10g avg. | mW/kg | 4.58 | 4.82 | -0.22 | -4.98% | |
| 4/28/2026 | 3119 | 85.0 | 1025 | Peak H-Field | A/m | 199.00 | 209.00 | -0.43 | -4.78% | C2 |
| | | | | Induced Peak E-Field 2mm cube avg. | V/m | 3.24 | 3.36 | -0.32 | -3.57% | |
| | | | | Induced Peak E-Field Local | V/m | 3.27 | 3.39 | -0.31 | -3.54% | |
| | | | | Induced Peak E-Field 5mm line avg. | V/m | 3.28 | 3.40 | -0.31 | -3.53% | |
| | | | | peak spatial SAR 1g avg. | mW/kg | 6.12 | 6.51 | -0.27 | -5.99% | |
| | | | | peak spatial SAR 10g avg. | mW/kg | 4.56 | 4.82 | -0.24 | -5.39% | |