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Accreditation No.: **SCS 0108**

Client **Sporton
Taoyuan**

Certificate No. **MAGPy-8H3D-3059**

CALIBRATION CERTIFICATE

Object **MAGPy-8H3D+E3DV2 SN:3059
MAGPy-DASV2 SN:3064**

Calibration procedure(s) **QA CAL-46.v1
Calibration Procedure for MAGPy-8H3D+E3D
Near-field Electric and Magnetic Field Sensor System**

Calibration date **May 15, 2024**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|----------------------------|--------------------|----------------------------|-----------------------|
| Oscilloscope | SN: 112135 | 25-Sep-23 (No. 17A1162175) | Sep-24 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 26-Mar-24 (No. 217-04046) | Mar-25 |
| Type-N mismatch | SN: 310982 / 06327 | 26-Mar-24 (No. 217-04047) | Mar-25 |

| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
|-------------------------|----------------|------------------------|------------------------|
| Network Analyzer E5061B | SN: MY49810822 | In house check: Nov-23 | In house check: Nov-24 |
| TEM Cell | SN: S6029I | In house check: Nov-23 | In house check: Nov-24 |
| Plate Capacitor | SN: 6028I | In house check: Nov-23 | In house check: Nov-24 |
| Resonator (160kHz) | SN: 6030I | In house check: Nov-23 | In house check: Nov-24 |

| | Name | Function | Signature |
|---------------|--------------------|---------------------|-----------|
| Calibrated by | Aidonia Georgiadou | Laboratory Engineer | |
| Approved by | Sven Kühn | Technical Manager | |

Issued: May 15, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Glossary

| | |
|----------------|--|
| MAGPy-8H3D-E3D | Magnetic Amplitude and Gradient Probe – Eight H-field Sensors, Single E-field sensor |
| MAGPy-DAS | Magnetic Amplitude and Gradient Data Acquisition System |

Calibration is Performed According to the Following Standards:

- IEEE Std 1309-2013, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", November 2013

Methods Applied and Interpretation of Parameters

- Calibration has been performed after the adjustment of the device.
- *Linearity*: Calibration of the linearity of the field reading over the specified dynamic range at 161.75 kHz. Influence of offset voltage is included in this measurement.
- *Frequency response*: Calibration of the field reading over the specified frequency range from 3.0 kHz to 10.0 MHz.
- Receiving Pattern: Assessed for H-field polarizations θ , and $\phi = 0^\circ \dots 360^\circ$; $\theta = 90^\circ$, and $\phi = 0^\circ \dots 360^\circ$; for the XYZ sensors (in TEM-Cell at 4 kHz, 40 kHz, 400 kHz and 4 MHz).
- Receiving Pattern: Assessed for E-field polarizations θ , and $\phi = 0^\circ \dots 360^\circ$; $\theta = 90^\circ$, and $\phi = 0^\circ \dots 360^\circ$; for the XYZ sensor (in parallel plate capacitor at 4 kHz, 40 kHz, 400 kHz and 4 MHz).

Calibration Uncertainty

The calibration uncertainty is 0.7 dB for the H-field readings and 1.06 dB for the E-field readings. The calibration uncertainty is specified over the frequency range from 3.0 kHz to 10.0 MHz and a dynamic range from 0.1 A/m to 3200 A/m and from 0.08 V/m to 2000 V/m respectively.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

| | | |
|------------------------|----------------------------------|--------------|
| Unit Type | MAGPy-8H3D+E3DV2 (SP MGY 303 AA) | 3059 |
| | MAGPy-DASV2 (SE UMS 303 AC) | 3064 |
| | MAGPy FPGA Board | WP000211 |
| Adjustment Date | Last MAGPy Adjustment | May 15, 2024 |
| Firmware SW Version | MAGPy Firmware | Ver. 1.00 |
| Backend SW Version | MAGPy Backend | Ver. 1.0.2 |
| Calibration SW Version | MAGACAP | Ver. 1.0 |

Dynamic Range

Dynamic Range, H-field, Channel 0

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.360 | 0.350 | 0.390 | 0.380 | 0.350 | 0.46 | 0.47 | 0.00 | ±1.00 |
| 0.510 | 0.490 | 0.470 | 0.500 | 0.510 | 0.480 | -0.17 | 0.35 | 0.18 | ±1.00 |
| 0.700 | 0.670 | 0.650 | 0.690 | 0.680 | 0.650 | -0.12 | 0.13 | 0.00 | ±1.00 |
| 0.910 | 0.880 | 0.850 | 0.910 | 0.870 | 0.850 | 0.00 | -0.10 | 0.00 | ±1.00 |
| 1.23 | 1.19 | 1.15 | 1.25 | 1.18 | 1.16 | 0.14 | -0.07 | 0.08 | ±1.00 |
| 1.69 | 1.63 | 1.57 | 1.69 | 1.64 | 1.59 | 0.00 | 0.05 | 0.11 | ±1.00 |
| 2.25 | 2.17 | 2.09 | 2.25 | 2.19 | 2.12 | 0.00 | 0.08 | 0.12 | ±0.20 |
| 3.01 | 2.91 | 2.80 | 3.01 | 2.92 | 2.82 | 0.00 | 0.03 | 0.06 | ±0.20 |
| 4.08 | 3.95 | 3.81 | 4.08 | 3.95 | 3.82 | 0.00 | 0.00 | 0.02 | ±0.20 |
| 5.53 | 5.34 | 5.15 | 5.53 | 5.35 | 5.16 | 0.00 | 0.02 | 0.02 | ±0.20 |
| 7.44 | 7.19 | 6.93 | 7.46 | 7.20 | 6.95 | 0.02 | 0.01 | 0.03 | ±0.20 |
| 9.94 | 9.60 | 9.26 | 9.95 | 9.61 | 9.26 | 0.01 | 0.01 | 0.00 | ±0.20 |
| 13.4 | 13.0 | 12.5 | 13.4 | 13.0 | 12.5 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 18.1 | 17.5 | 16.9 | 18.1 | 17.5 | 16.9 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 24.4 | 23.8 | 22.8 | 24.5 | 23.6 | 22.8 | 0.04 | 0.00 | 0.00 | ±0.20 |
| 32.6 | 31.5 | 30.4 | 32.8 | 31.7 | 30.6 | 0.05 | 0.05 | 0.06 | ±0.20 |
| 44.1 | 42.6 | 41.1 | 44.3 | 42.8 | 41.2 | 0.04 | 0.04 | 0.02 | ±0.20 |
| 59.6 | 57.6 | 55.6 | 60.0 | 58.1 | 56.0 | 0.06 | 0.08 | 0.06 | ±0.20 |
| 82.2 | 79.4 | 76.6 | 81.8 | 79.1 | 76.2 | -0.04 | -0.03 | -0.05 | ±0.20 |
| 108 | 104 | 100 | 107 | 104 | 99.9 | -0.08 | 0.00 | -0.01 | ±0.20 |
| 148 | 143 | 138 | 147 | 142 | 137 | -0.06 | -0.06 | -0.06 | ±0.20 |
| 206 | 199 | 192 | 205 | 198 | 191 | -0.04 | -0.04 | -0.05 | ±0.20 |
| 286 | 276 | 266 | 287 | 271 | 267 | 0.03 | -0.16 | 0.03 | ±0.20 |
| 424 | 410 | 395 | 416 | 404 | 388 | -0.17 | -0.13 | -0.16 | ±0.20 |
| 588 | 568 | 548 | 582 | 565 | 542 | -0.09 | -0.05 | -0.10 | ±0.20 |
| 884 | 854 | 823 | 885 | 858 | 823 | 0.01 | 0.04 | 0.00 | ±0.20 |
| 1350 | 1300 | 1250 | 1370 | 1330 | 1270 | 0.13 | 0.20 | 0.14 | ±0.30 |
| 1850 | 1790 | 1720 | 1890 | 1840 | 1760 | 0.19 | 0.24 | 0.20 | ±0.30 |
| 3030 | 2930 | 2820 | 3140 | 3050 | 2920 | 0.31 | 0.35 | 0.30 | ±0.50 |
| 3630 | 3500 | 3370 | 3780 | 3660 | 3510 | 0.35 | 0.39 | 0.35 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000A/m
- ±0.3dB for applied H-fields ≥ 1000A/m and < 2000A/m
- ±0.4dB for applied H-fields ≥ 2000A/m and < 3000A/m
- ±0.5dB for applied H-fields ≥ 3000A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 1

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.360 | 0.360 | 0.400 | 0.380 | 0.380 | 0.68 | 0.47 | 0.47 | ±1.00 |
| 0.510 | 0.490 | 0.490 | 0.540 | 0.520 | 0.490 | 0.50 | 0.52 | 0.00 | ±1.00 |
| 0.700 | 0.680 | 0.670 | 0.710 | 0.710 | 0.660 | 0.12 | 0.37 | -0.13 | ±1.00 |
| 0.910 | 0.880 | 0.870 | 0.920 | 0.900 | 0.870 | 0.09 | 0.20 | 0.00 | ±1.00 |
| 1.23 | 1.20 | 1.18 | 1.26 | 1.20 | 1.18 | 0.21 | 0.00 | 0.00 | ±1.00 |
| 1.69 | 1.65 | 1.63 | 1.70 | 1.65 | 1.64 | 0.05 | 0.00 | 0.05 | ±1.00 |
| 2.25 | 2.19 | 2.17 | 2.28 | 2.21 | 2.19 | 0.12 | 0.08 | 0.08 | ±0.20 |
| 3.01 | 2.93 | 2.90 | 3.03 | 2.94 | 2.91 | 0.06 | 0.03 | 0.03 | ±0.20 |
| 4.09 | 3.98 | 3.94 | 4.10 | 4.01 | 3.96 | 0.02 | 0.07 | 0.04 | ±0.20 |
| 5.53 | 5.39 | 5.33 | 5.54 | 5.42 | 5.36 | 0.02 | 0.05 | 0.05 | ±0.20 |
| 7.44 | 7.25 | 7.17 | 7.46 | 7.27 | 7.20 | 0.02 | 0.02 | 0.04 | ±0.20 |
| 9.94 | 9.68 | 9.58 | 9.95 | 9.69 | 9.62 | 0.01 | 0.01 | 0.04 | ±0.20 |
| 13.4 | 13.1 | 12.9 | 13.4 | 13.1 | 13.0 | 0.00 | 0.00 | 0.07 | ±0.20 |
| 18.1 | 17.6 | 17.4 | 18.1 | 17.6 | 17.5 | 0.00 | 0.00 | 0.05 | ±0.20 |
| 24.4 | 23.8 | 23.6 | 24.5 | 23.8 | 23.6 | 0.04 | 0.00 | 0.00 | ±0.20 |
| 32.6 | 31.8 | 31.4 | 32.8 | 31.9 | 31.6 | 0.05 | 0.03 | 0.06 | ±0.20 |
| 44.1 | 42.9 | 42.5 | 44.3 | 43.1 | 42.7 | 0.04 | 0.04 | 0.04 | ±0.20 |
| 59.6 | 58.1 | 57.5 | 60.0 | 58.5 | 57.9 | 0.06 | 0.06 | 0.06 | ±0.20 |
| 82.2 | 80.0 | 79.2 | 81.9 | 79.7 | 78.8 | -0.03 | -0.03 | -0.04 | ±0.20 |
| 108 | 105 | 104 | 107 | 104 | 103 | -0.08 | -0.08 | -0.08 | ±0.20 |
| 148 | 144 | 143 | 148 | 144 | 142 | 0.00 | 0.00 | -0.06 | ±0.20 |
| 206 | 200 | 198 | 205 | 200 | 198 | -0.04 | 0.00 | 0.00 | ±0.20 |
| 286 | 278 | 275 | 287 | 273 | 276 | 0.03 | -0.16 | 0.03 | ±0.20 |
| 424 | 413 | 409 | 417 | 407 | 401 | -0.14 | -0.13 | -0.17 | ±0.20 |
| 588 | 573 | 567 | 582 | 569 | 560 | -0.09 | -0.06 | -0.11 | ±0.20 |
| 884 | 861 | 851 | 885 | 865 | 852 | 0.01 | 0.04 | 0.01 | ±0.20 |
| 1350 | 1310 | 1300 | 1370 | 1340 | 1320 | 0.13 | 0.20 | 0.13 | ±0.30 |
| 1850 | 1800 | 1780 | 1890 | 1850 | 1820 | 0.19 | 0.24 | 0.19 | ±0.30 |
| 3030 | 2950 | 2920 | 3140 | 3070 | 3020 | 0.31 | 0.35 | 0.29 | ±0.50 |
| 3630 | 3530 | 3490 | 3780 | 3690 | 3640 | 0.35 | 0.39 | 0.37 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0 dB for applied H-fields < 2.0 A/m
- ±0.2 dB for applied H-fields ≥ 2.0 A/m and < 1000 A/m
- ±0.3 dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4 dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5 dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 2

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.370 | 0.360 | 0.400 | 0.380 | 0.380 | 0.68 | 0.23 | 0.47 | ±1.00 |
| 0.510 | 0.500 | 0.490 | 0.510 | 0.520 | 0.510 | 0.00 | 0.34 | 0.35 | ±1.00 |
| 0.700 | 0.680 | 0.680 | 0.690 | 0.700 | 0.690 | -0.12 | 0.25 | 0.13 | ±1.00 |
| 0.910 | 0.890 | 0.880 | 0.900 | 0.910 | 0.880 | -0.10 | 0.19 | 0.00 | ±1.00 |
| 1.23 | 1.20 | 1.20 | 1.25 | 1.21 | 1.18 | 0.14 | 0.07 | -0.15 | ±1.00 |
| 1.68 | 1.65 | 1.64 | 1.68 | 1.64 | 1.63 | 0.00 | -0.05 | -0.05 | ±1.00 |
| 2.24 | 2.20 | 2.19 | 2.25 | 2.21 | 2.20 | 0.04 | 0.04 | 0.04 | ±0.20 |
| 3.00 | 2.94 | 2.93 | 3.00 | 2.95 | 2.92 | 0.00 | 0.03 | -0.03 | ±0.20 |
| 4.07 | 4.00 | 3.97 | 4.08 | 3.99 | 3.97 | 0.02 | -0.02 | 0.00 | ±0.20 |
| 5.52 | 5.41 | 5.38 | 5.53 | 5.42 | 5.39 | 0.02 | 0.02 | 0.02 | ±0.20 |
| 7.42 | 7.28 | 7.23 | 7.44 | 7.28 | 7.23 | 0.02 | 0.00 | 0.00 | ±0.20 |
| 9.91 | 9.72 | 9.67 | 9.91 | 9.71 | 9.66 | 0.00 | -0.01 | -0.01 | ±0.20 |
| 13.4 | 13.1 | 13.1 | 13.4 | 13.1 | 13.1 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 18.1 | 17.7 | 17.6 | 18.1 | 17.7 | 17.6 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 24.4 | 23.9 | 23.8 | 24.4 | 23.9 | 23.9 | 0.00 | 0.00 | 0.04 | ±0.20 |
| 32.5 | 31.9 | 31.8 | 32.7 | 32.0 | 31.9 | 0.05 | 0.03 | 0.03 | ±0.20 |
| 43.9 | 43.1 | 42.9 | 44.1 | 43.3 | 43.0 | 0.04 | 0.04 | 0.02 | ±0.20 |
| 59.5 | 58.3 | 58.0 | 59.9 | 58.8 | 58.4 | 0.06 | 0.07 | 0.06 | ±0.20 |
| 81.9 | 80.3 | 79.9 | 81.6 | 80.0 | 79.6 | -0.03 | -0.03 | -0.03 | ±0.20 |
| 107 | 105 | 105 | 107 | 105 | 104 | 0.00 | 0.00 | -0.08 | ±0.20 |
| 148 | 145 | 144 | 147 | 144 | 143 | -0.06 | -0.06 | -0.06 | ±0.20 |
| 205 | 201 | 200 | 205 | 201 | 200 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 285 | 279 | 278 | 286 | 274 | 279 | 0.03 | -0.16 | 0.03 | ±0.20 |
| 423 | 415 | 413 | 415 | 409 | 405 | -0.17 | -0.13 | -0.17 | ±0.20 |
| 587 | 575 | 572 | 580 | 572 | 566 | -0.10 | -0.05 | -0.09 | ±0.20 |
| 882 | 864 | 859 | 882 | 869 | 860 | 0.00 | 0.05 | 0.01 | ±0.20 |
| 1340 | 1320 | 1310 | 1360 | 1340 | 1330 | 0.13 | 0.13 | 0.13 | ±0.30 |
| 1840 | 1810 | 1800 | 1890 | 1860 | 1840 | 0.23 | 0.24 | 0.19 | ±0.30 |
| 3020 | 2960 | 2940 | 3140 | 3090 | 3050 | 0.34 | 0.37 | 0.32 | ±0.50 |
| 3620 | 3540 | 3520 | 3770 | 3710 | 3670 | 0.35 | 0.41 | 0.36 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000A/m
- ±0.3dB for applied H-fields ≥ 1000A/m and < 2000A/m
- ±0.4dB for applied H-fields ≥ 2000A/m and < 3000A/m
- ±0.5dB for applied H-fields ≥ 3000A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 3

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.360 | 0.350 | 0.370 | 0.380 | 0.370 | 0.00 | 0.47 | 0.48 | ±1.00 |
| 0.500 | 0.490 | 0.480 | 0.490 | 0.520 | 0.490 | -0.18 | 0.52 | 0.18 | ±1.00 |
| 0.680 | 0.680 | 0.660 | 0.680 | 0.680 | 0.670 | 0.00 | 0.00 | 0.13 | ±1.00 |
| 0.890 | 0.890 | 0.860 | 0.900 | 0.880 | 0.870 | 0.10 | -0.10 | 0.10 | ±1.00 |
| 1.21 | 1.20 | 1.17 | 1.24 | 1.21 | 1.18 | 0.21 | 0.07 | 0.07 | ±1.00 |
| 1.66 | 1.65 | 1.60 | 1.68 | 1.67 | 1.62 | 0.10 | 0.10 | 0.11 | ±1.00 |
| 2.21 | 2.19 | 2.13 | 2.24 | 2.20 | 2.17 | 0.12 | 0.04 | 0.16 | ±0.20 |
| 2.95 | 2.93 | 2.85 | 2.98 | 2.93 | 2.89 | 0.09 | 0.00 | 0.12 | ±0.20 |
| 4.01 | 3.98 | 3.88 | 4.02 | 3.99 | 3.89 | 0.02 | 0.02 | 0.02 | ±0.20 |
| 5.43 | 5.39 | 5.24 | 5.43 | 5.37 | 5.27 | 0.00 | -0.03 | 0.05 | ±0.20 |
| 7.31 | 7.25 | 7.05 | 7.31 | 7.27 | 7.11 | 0.00 | 0.02 | 0.07 | ±0.20 |
| 9.77 | 9.68 | 9.43 | 9.75 | 9.72 | 9.49 | -0.02 | 0.04 | 0.06 | ±0.20 |
| 13.2 | 13.1 | 12.7 | 13.2 | 13.1 | 12.8 | 0.00 | 0.00 | 0.07 | ±0.20 |
| 17.8 | 17.6 | 17.2 | 17.8 | 17.6 | 17.2 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 24.0 | 23.8 | 23.2 | 24.0 | 23.8 | 23.2 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 32.0 | 31.8 | 31.0 | 32.2 | 31.9 | 31.1 | 0.05 | 0.03 | 0.03 | ±0.20 |
| 43.3 | 43.0 | 41.8 | 43.4 | 43.2 | 42.0 | 0.02 | 0.04 | 0.04 | ±0.20 |
| 58.6 | 58.1 | 56.6 | 59.0 | 58.6 | 57.0 | 0.06 | 0.07 | 0.06 | ±0.20 |
| 80.7 | 80.1 | 78.0 | 80.4 | 79.8 | 77.7 | -0.03 | -0.03 | -0.03 | ±0.20 |
| 106 | 105 | 102 | 105 | 104 | 102 | -0.08 | -0.08 | 0.00 | ±0.20 |
| 145 | 144 | 141 | 145 | 144 | 140 | 0.00 | 0.00 | -0.06 | ±0.20 |
| 202 | 201 | 195 | 202 | 200 | 195 | 0.00 | -0.04 | 0.00 | ±0.20 |
| 281 | 278 | 271 | 282 | 273 | 272 | 0.03 | -0.16 | 0.03 | ±0.20 |
| 416 | 413 | 402 | 409 | 408 | 395 | -0.15 | -0.11 | -0.15 | ±0.20 |
| 578 | 573 | 558 | 571 | 570 | 552 | -0.11 | -0.05 | -0.09 | ±0.20 |
| 868 | 861 | 838 | 869 | 865 | 839 | 0.01 | 0.04 | 0.01 | ±0.20 |
| 1320 | 1310 | 1280 | 1340 | 1340 | 1300 | 0.13 | 0.20 | 0.13 | ±0.30 |
| 1820 | 1800 | 1750 | 1860 | 1850 | 1800 | 0.19 | 0.24 | 0.24 | ±0.30 |
| 2980 | 2950 | 2870 | 3090 | 3050 | 2980 | 0.31 | 0.29 | 0.33 | ±0.40 |
| 3560 | 3530 | 3440 | 3710 | 3640 | 3580 | 0.36 | 0.27 | 0.35 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000A/m
- ±0.3dB for applied H-fields ≥ 1000 A/m and < 2000A/m
- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000A/m
- ±0.5dB for applied H-fields ≥ 3000A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 4

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.370 | 0.360 | 0.390 | 0.390 | 0.370 | 0.46 | 0.46 | 0.24 | ±1.00 |
| 0.500 | 0.500 | 0.490 | 0.520 | 0.520 | 0.500 | 0.34 | 0.34 | 0.18 | ±1.00 |
| 0.690 | 0.690 | 0.680 | 0.700 | 0.710 | 0.680 | 0.12 | 0.25 | 0.00 | ±1.00 |
| 0.890 | 0.900 | 0.880 | 0.890 | 0.910 | 0.880 | 0.00 | 0.10 | 0.00 | ±1.00 |
| 1.21 | 1.22 | 1.19 | 1.21 | 1.22 | 1.20 | 0.00 | 0.00 | 0.07 | ±1.00 |
| 1.66 | 1.68 | 1.64 | 1.67 | 1.68 | 1.66 | 0.05 | 0.00 | 0.11 | ±1.00 |
| 2.22 | 2.23 | 2.18 | 2.22 | 2.24 | 2.20 | 0.00 | 0.04 | 0.08 | ±0.20 |
| 2.96 | 2.99 | 2.91 | 2.97 | 2.98 | 2.93 | 0.03 | -0.03 | 0.06 | ±0.20 |
| 4.02 | 4.05 | 3.96 | 4.02 | 4.06 | 3.99 | 0.00 | 0.02 | 0.07 | ±0.20 |
| 5.44 | 5.49 | 5.36 | 5.44 | 5.49 | 5.39 | 0.00 | 0.00 | 0.05 | ±0.20 |
| 7.32 | 7.38 | 7.21 | 7.32 | 7.38 | 7.24 | 0.00 | 0.00 | 0.04 | ±0.20 |
| 9.79 | 9.85 | 9.63 | 9.77 | 9.86 | 9.66 | -0.02 | 0.01 | 0.03 | ±0.20 |
| 13.2 | 13.3 | 13.0 | 13.2 | 13.3 | 13.0 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 17.8 | 17.9 | 17.6 | 17.8 | 18.0 | 17.5 | 0.00 | 0.05 | -0.05 | ±0.20 |
| 24.1 | 24.2 | 23.7 | 24.1 | 24.2 | 23.7 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 32.1 | 32.4 | 31.6 | 32.3 | 32.5 | 31.8 | 0.05 | 0.03 | 0.05 | ±0.20 |
| 43.4 | 43.7 | 42.7 | 43.6 | 43.9 | 42.9 | 0.04 | 0.04 | 0.04 | ±0.20 |
| 58.7 | 59.2 | 57.8 | 59.1 | 59.6 | 58.2 | 0.06 | 0.06 | 0.06 | ±0.20 |
| 80.9 | 81.5 | 79.6 | 80.6 | 81.2 | 79.3 | -0.03 | -0.03 | -0.03 | ±0.20 |
| 106 | 107 | 104 | 105 | 106 | 104 | -0.08 | -0.08 | 0.00 | ±0.20 |
| 146 | 147 | 144 | 145 | 146 | 143 | -0.06 | -0.06 | -0.06 | ±0.20 |
| 203 | 204 | 199 | 202 | 204 | 199 | -0.04 | 0.00 | 0.00 | ±0.20 |
| 281 | 283 | 277 | 282 | 278 | 278 | 0.03 | -0.15 | 0.03 | ±0.20 |
| 417 | 421 | 411 | 410 | 415 | 404 | -0.15 | -0.12 | -0.15 | ±0.20 |
| 579 | 584 | 570 | 572 | 581 | 564 | -0.11 | -0.04 | -0.09 | ±0.20 |
| 870 | 877 | 856 | 870 | 882 | 856 | 0.00 | 0.05 | 0.00 | ±0.20 |
| 1330 | 1340 | 1310 | 1350 | 1360 | 1320 | 0.13 | 0.13 | 0.07 | ±0.30 |
| 1820 | 1830 | 1790 | 1860 | 1890 | 1830 | 0.19 | 0.28 | 0.19 | ±0.30 |
| 2980 | 3010 | 2930 | 3100 | 3140 | 3040 | 0.34 | 0.37 | 0.32 | ±0.50 |
| 3570 | 3590 | 3510 | 3720 | 3760 | 3660 | 0.36 | 0.40 | 0.36 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000A/m
- ±0.3dB for applied H-fields ≥ 1000A/m and < 2000A/m
- ±0.4dB for applied H-fields ≥ 2000A/m and < 3000A/m
- ±0.5dB for applied H-fields ≥ 3000A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 5

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.370 | 0.370 | 0.380 | 0.380 | 0.380 | 0.23 | 0.23 | 0.23 | ±1.00 |
| 0.500 | 0.500 | 0.510 | 0.510 | 0.520 | 0.520 | 0.17 | 0.34 | 0.17 | ±1.00 |
| 0.690 | 0.690 | 0.690 | 0.690 | 0.710 | 0.700 | 0.00 | 0.25 | 0.12 | ±1.00 |
| 0.890 | 0.900 | 0.900 | 0.890 | 0.920 | 0.920 | 0.00 | 0.19 | 0.19 | ±1.00 |
| 1.21 | 1.22 | 1.22 | 1.23 | 1.24 | 1.25 | 0.14 | 0.14 | 0.21 | ±1.00 |
| 1.66 | 1.68 | 1.68 | 1.68 | 1.70 | 1.71 | 0.10 | 0.10 | 0.15 | ±1.00 |
| 2.21 | 2.24 | 2.24 | 2.24 | 2.27 | 2.28 | 0.12 | 0.12 | 0.15 | ±0.20 |
| 2.96 | 2.99 | 3.00 | 2.98 | 3.04 | 3.03 | 0.06 | 0.14 | 0.09 | ±0.20 |
| 4.02 | 4.06 | 4.07 | 4.04 | 4.10 | 4.09 | 0.04 | 0.09 | 0.04 | ±0.20 |
| 5.44 | 5.50 | 5.51 | 5.47 | 5.53 | 5.53 | 0.05 | 0.05 | 0.03 | ±0.20 |
| 7.32 | 7.40 | 7.41 | 7.35 | 7.44 | 7.43 | 0.04 | 0.05 | 0.02 | ±0.20 |
| 9.78 | 9.88 | 9.90 | 9.79 | 9.93 | 9.92 | 0.01 | 0.04 | 0.02 | ±0.20 |
| 13.2 | 13.3 | 13.4 | 13.2 | 13.4 | 13.4 | 0.00 | 0.07 | 0.00 | ±0.20 |
| 17.8 | 18.0 | 18.0 | 17.8 | 18.1 | 18.1 | 0.00 | 0.05 | 0.05 | ±0.20 |
| 24.0 | 24.3 | 24.3 | 24.1 | 24.4 | 24.4 | 0.04 | 0.04 | 0.04 | ±0.20 |
| 32.1 | 32.4 | 32.5 | 32.2 | 32.6 | 32.7 | 0.03 | 0.05 | 0.05 | ±0.20 |
| 43.3 | 43.8 | 43.9 | 43.5 | 44.1 | 44.1 | 0.04 | 0.06 | 0.04 | ±0.20 |
| 58.6 | 59.3 | 59.5 | 59.0 | 59.8 | 59.9 | 0.06 | 0.07 | 0.06 | ±0.20 |
| 80.8 | 81.7 | 81.9 | 80.5 | 81.4 | 81.5 | -0.03 | -0.03 | -0.04 | ±0.20 |
| 106 | 107 | 107 | 105 | 107 | 107 | -0.08 | 0.00 | 0.00 | ±0.20 |
| 146 | 147 | 148 | 145 | 147 | 147 | -0.06 | 0.00 | -0.06 | ±0.20 |
| 202 | 205 | 205 | 202 | 204 | 204 | 0.00 | -0.04 | -0.04 | ±0.20 |
| 281 | 284 | 284 | 282 | 279 | 286 | 0.03 | -0.15 | 0.06 | ±0.20 |
| 417 | 422 | 423 | 410 | 416 | 415 | -0.15 | -0.12 | -0.17 | ±0.20 |
| 578 | 585 | 586 | 572 | 581 | 579 | -0.09 | -0.06 | -0.10 | ±0.20 |
| 869 | 879 | 880 | 870 | 883 | 880 | 0.01 | 0.04 | 0.00 | ±0.20 |
| 1330 | 1340 | 1340 | 1350 | 1360 | 1360 | 0.13 | 0.13 | 0.13 | ±0.30 |
| 1820 | 1840 | 1840 | 1860 | 1890 | 1880 | 0.19 | 0.23 | 0.19 | ±0.30 |
| 2980 | 3010 | 3010 | 3090 | 3140 | 3130 | 0.31 | 0.37 | 0.34 | ±0.50 |
| 3570 | 3600 | 3610 | 3720 | 3760 | 3760 | 0.36 | 0.38 | 0.35 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000 A/m
- ±0.3dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 6

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.370 | 0.370 | 0.380 | 0.390 | 0.380 | 0.23 | 0.46 | 0.23 | ±1.00 |
| 0.510 | 0.510 | 0.500 | 0.520 | 0.530 | 0.500 | 0.17 | 0.33 | 0.00 | ±1.00 |
| 0.690 | 0.690 | 0.680 | 0.710 | 0.720 | 0.680 | 0.25 | 0.37 | 0.00 | ±1.00 |
| 0.910 | 0.900 | 0.890 | 0.920 | 0.930 | 0.880 | 0.09 | 0.28 | -0.10 | ±1.00 |
| 1.22 | 1.22 | 1.20 | 1.25 | 1.22 | 1.19 | 0.21 | 0.00 | -0.07 | ±1.00 |
| 1.68 | 1.68 | 1.65 | 1.68 | 1.68 | 1.63 | 0.00 | 0.00 | -0.11 | ±1.00 |
| 2.24 | 2.24 | 2.20 | 2.23 | 2.27 | 2.19 | -0.04 | 0.12 | -0.04 | ±0.20 |
| 2.99 | 3.00 | 2.94 | 2.99 | 3.00 | 2.92 | 0.00 | 0.00 | -0.06 | ±0.20 |
| 4.07 | 4.07 | 4.00 | 4.08 | 4.09 | 3.97 | 0.02 | 0.04 | -0.07 | ±0.20 |
| 5.51 | 5.51 | 5.41 | 5.51 | 5.52 | 5.39 | 0.00 | 0.02 | -0.03 | ±0.20 |
| 7.41 | 7.41 | 7.27 | 7.43 | 7.42 | 7.26 | 0.02 | 0.01 | -0.01 | ±0.20 |
| 9.90 | 9.89 | 9.72 | 9.91 | 9.91 | 9.72 | 0.01 | 0.02 | 0.00 | ±0.20 |
| 13.4 | 13.4 | 13.1 | 13.4 | 13.4 | 13.1 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 18.0 | 18.0 | 17.7 | 18.0 | 18.0 | 17.7 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 24.3 | 24.3 | 23.9 | 24.4 | 24.3 | 23.9 | 0.04 | 0.00 | 0.00 | ±0.20 |
| 32.5 | 32.5 | 31.9 | 32.6 | 32.6 | 32.1 | 0.03 | 0.03 | 0.05 | ±0.20 |
| 43.9 | 43.9 | 43.1 | 44.0 | 44.1 | 43.3 | 0.02 | 0.04 | 0.04 | ±0.20 |
| 59.4 | 59.4 | 58.4 | 59.8 | 59.8 | 58.8 | 0.06 | 0.06 | 0.06 | ±0.20 |
| 81.8 | 81.8 | 80.4 | 81.5 | 81.5 | 80.1 | -0.03 | -0.03 | -0.03 | ±0.20 |
| 107 | 107 | 105 | 107 | 107 | 105 | 0.00 | 0.00 | 0.00 | ±0.20 |
| 147 | 147 | 145 | 147 | 147 | 144 | 0.00 | 0.00 | -0.06 | ±0.20 |
| 205 | 205 | 201 | 204 | 204 | 201 | -0.04 | -0.04 | 0.00 | ±0.20 |
| 284 | 284 | 279 | 286 | 279 | 281 | 0.06 | -0.15 | 0.06 | ±0.20 |
| 422 | 422 | 415 | 414 | 417 | 407 | -0.17 | -0.10 | -0.17 | ±0.20 |
| 586 | 586 | 575 | 579 | 582 | 569 | -0.10 | -0.06 | -0.09 | ±0.20 |
| 880 | 880 | 864 | 881 | 885 | 865 | 0.01 | 0.05 | 0.01 | ±0.20 |
| 1340 | 1340 | 1320 | 1360 | 1370 | 1340 | 0.13 | 0.19 | 0.13 | ±0.30 |
| 1840 | 1840 | 1810 | 1890 | 1890 | 1850 | 0.23 | 0.23 | 0.19 | ±0.30 |
| 3020 | 3020 | 2960 | 3130 | 3140 | 3070 | 0.31 | 0.34 | 0.32 | ±0.50 |
| 3610 | 3610 | 3540 | 3760 | 3770 | 3700 | 0.35 | 0.38 | 0.38 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000 A/m
- ±0.3dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, H-field, Channel 7

| H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|
| x | y | z | x | y | z | x | y | z | |
| 0.370 | 0.370 | 0.350 | 0.400 | 0.390 | 0.360 | 0.68 | 0.46 | 0.24 | ±1.00 |
| 0.510 | 0.500 | 0.480 | 0.540 | 0.520 | 0.490 | 0.50 | 0.34 | 0.18 | ±1.00 |
| 0.700 | 0.680 | 0.660 | 0.710 | 0.690 | 0.640 | 0.12 | 0.13 | -0.27 | ±1.00 |
| 0.910 | 0.890 | 0.860 | 0.910 | 0.900 | 0.850 | 0.00 | 0.10 | -0.10 | ±1.00 |
| 1.23 | 1.20 | 1.16 | 1.22 | 1.22 | 1.16 | -0.07 | 0.14 | 0.00 | ±1.00 |
| 1.69 | 1.65 | 1.60 | 1.69 | 1.67 | 1.62 | 0.00 | 0.10 | 0.11 | ±1.00 |
| 2.26 | 2.20 | 2.13 | 2.27 | 2.25 | 2.14 | 0.04 | 0.20 | 0.04 | ±0.20 |
| 3.02 | 2.95 | 2.85 | 3.01 | 2.97 | 2.85 | -0.03 | 0.06 | 0.00 | ±0.20 |
| 4.10 | 4.00 | 3.87 | 4.09 | 4.03 | 3.89 | -0.02 | 0.06 | 0.04 | ±0.20 |
| 5.55 | 5.41 | 5.23 | 5.55 | 5.45 | 5.25 | 0.00 | 0.06 | 0.03 | ±0.20 |
| 7.46 | 7.28 | 7.04 | 7.46 | 7.32 | 7.07 | 0.00 | 0.05 | 0.04 | ±0.20 |
| 9.97 | 9.72 | 9.41 | 9.97 | 9.76 | 9.46 | 0.00 | 0.04 | 0.05 | ±0.20 |
| 13.5 | 13.1 | 12.7 | 13.5 | 13.2 | 12.8 | 0.00 | 0.07 | 0.07 | ±0.20 |
| 18.2 | 17.7 | 17.1 | 18.2 | 17.7 | 17.2 | 0.00 | 0.00 | 0.05 | ±0.20 |
| 24.5 | 23.9 | 23.1 | 24.6 | 24.0 | 23.2 | 0.04 | 0.04 | 0.04 | ±0.20 |
| 32.7 | 31.9 | 30.9 | 32.9 | 32.1 | 31.1 | 0.05 | 0.05 | 0.06 | ±0.20 |
| 44.2 | 43.1 | 41.8 | 44.4 | 43.4 | 41.9 | 0.04 | 0.06 | 0.02 | ±0.20 |
| 59.8 | 58.4 | 56.5 | 60.2 | 58.8 | 56.9 | 0.06 | 0.06 | 0.06 | ±0.20 |
| 82.4 | 80.4 | 77.8 | 82.1 | 80.1 | 77.5 | -0.03 | -0.03 | -0.03 | ±0.20 |
| 108 | 105 | 102 | 107 | 105 | 101 | -0.08 | 0.00 | -0.09 | ±0.20 |
| 148 | 145 | 140 | 148 | 144 | 140 | 0.00 | -0.06 | 0.00 | ±0.20 |
| 206 | 201 | 195 | 206 | 201 | 194 | 0.00 | 0.00 | -0.04 | ±0.20 |
| 286 | 280 | 270 | 288 | 275 | 272 | 0.06 | -0.16 | 0.06 | ±0.20 |
| 425 | 415 | 402 | 418 | 409 | 394 | -0.14 | -0.13 | -0.17 | ±0.20 |
| 590 | 576 | 557 | 583 | 572 | 551 | -0.10 | -0.06 | -0.09 | ±0.20 |
| 886 | 865 | 837 | 887 | 869 | 837 | 0.01 | 0.04 | 0.00 | ±0.20 |
| 1350 | 1320 | 1280 | 1370 | 1340 | 1290 | 0.13 | 0.13 | 0.07 | ±0.30 |
| 1850 | 1810 | 1750 | 1900 | 1860 | 1790 | 0.23 | 0.24 | 0.20 | ±0.30 |
| 3040 | 2970 | 2870 | 3150 | 3090 | 2970 | 0.31 | 0.34 | 0.30 | ±0.50 |
| 3640 | 3540 | 3430 | 3790 | 3710 | 3580 | 0.35 | 0.41 | 0.37 | ±0.50 |

SPEAG H-field linearity tolerance criteria¹:

- ±1.0 dB for applied H-fields < 2.0 A/m
- ±0.2 dB for applied H-fields ≥ 2.0 A/m and < 1000 A/m
- ±0.3 dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4 dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5 dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Dynamic Range, E-field, Channel 0

| E-field/(V/m) Applied | | | E-field/(V/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) | | |
|-----------------------|-------|-------|-----------------------|-------|-------|-----------------|-------|-------|----------------|-------|-------|
| x | y | z | x | y | z | x | y | z | x | y | z |
| 0.340 | 0.220 | 0.090 | 0.360 | 0.220 | 0.100 | 0.50 | 0.00 | 0.92 | ±5.00 | ±5.00 | ±5.00 |
| 0.460 | 0.300 | 0.130 | 0.480 | 0.290 | 0.150 | 0.37 | -0.29 | 1.24 | ±5.00 | ±5.00 | ±5.00 |
| 0.630 | 0.410 | 0.170 | 0.670 | 0.400 | 0.170 | 0.53 | -0.21 | 0.00 | ±5.00 | ±5.00 | ±5.00 |
| 0.830 | 0.530 | 0.230 | 0.860 | 0.540 | 0.230 | 0.31 | 0.16 | 0.00 | ±5.00 | ±5.00 | ±5.00 |
| 1.12 | 0.720 | 0.300 | 1.16 | 0.760 | 0.320 | 0.30 | 0.47 | 0.56 | ±5.00 | ±5.00 | ±5.00 |
| 1.54 | 0.980 | 0.420 | 1.58 | 0.990 | 0.450 | 0.22 | 0.09 | 0.60 | ±5.00 | ±5.00 | ±5.00 |
| 2.05 | 1.31 | 0.560 | 2.11 | 1.30 | 0.550 | 0.25 | -0.07 | -0.16 | ±1.00 | ±5.00 | ±5.00 |
| 2.74 | 1.75 | 0.740 | 2.80 | 1.76 | 0.730 | 0.19 | 0.05 | -0.12 | ±1.00 | ±5.00 | ±5.00 |
| 3.72 | 2.38 | 1.01 | 3.77 | 2.41 | 1.01 | 0.12 | 0.11 | 0.00 | ±1.00 | ±1.00 | ±5.00 |
| 5.04 | 3.22 | 1.37 | 5.14 | 3.24 | 1.36 | 0.17 | 0.05 | -0.06 | ±1.00 | ±1.00 | ±5.00 |
| 6.78 | 4.33 | 1.84 | 6.87 | 4.36 | 1.81 | 0.11 | 0.06 | -0.14 | ±1.00 | ±1.00 | ±5.00 |
| 9.05 | 5.78 | 2.46 | 9.18 | 5.78 | 2.41 | 0.12 | 0.00 | -0.18 | ±1.00 | ±1.00 | ±1.00 |
| 12.2 | 7.81 | 3.32 | 12.4 | 7.81 | 3.27 | 0.14 | 0.00 | -0.13 | ±1.00 | ±1.00 | ±1.00 |
| 16.5 | 10.5 | 4.48 | 16.7 | 10.5 | 4.40 | 0.10 | 0.00 | -0.16 | ±1.00 | ±1.00 | ±1.00 |
| 22.3 | 14.2 | 6.05 | 22.6 | 14.2 | 5.95 | 0.12 | 0.00 | -0.14 | ±1.00 | ±1.00 | ±1.00 |
| 29.7 | 19.0 | 8.07 | 30.1 | 19.0 | 7.97 | 0.12 | 0.00 | -0.11 | ±1.00 | ±1.00 | ±1.00 |
| 40.2 | 25.6 | 10.9 | 40.6 | 25.7 | 10.8 | 0.09 | 0.03 | -0.08 | ±1.00 | ±1.00 | ±1.00 |
| 54.4 | 34.7 | 14.8 | 55.0 | 34.9 | 14.6 | 0.10 | 0.05 | -0.12 | ±1.00 | ±1.00 | ±1.00 |
| 74.9 | 47.8 | 20.3 | 75.0 | 47.5 | 19.9 | 0.01 | -0.05 | -0.17 | ±1.00 | ±1.00 | ±1.00 |
| 98.1 | 62.7 | 26.6 | 98.1 | 62.2 | 26.1 | 0.00 | -0.07 | -0.16 | ±1.00 | ±1.00 | ±1.00 |
| 135 | 86.1 | 36.6 | 135 | 85.4 | 36.0 | 0.00 | -0.07 | -0.14 | ±1.00 | ±1.00 | ±1.00 |
| 187 | 120 | 51.0 | 187 | 119 | 50.0 | 0.00 | -0.07 | -0.17 | ±1.00 | ±1.00 | ±1.00 |
| 260 | 166 | 70.7 | 261 | 166 | 70.0 | 0.03 | 0.00 | -0.09 | ±1.00 | ±1.00 | ±1.00 |
| 386 | 247 | 105 | 364 | 234 | 104 | -0.51 | -0.47 | -0.08 | ±1.00 | ±1.00 | ±1.00 |
| 536 | 342 | 146 | 508 | 327 | 146 | -0.47 | -0.39 | 0.00 | ±1.00 | ±1.00 | ±1.00 |
| 806 | 514 | 219 | 772 | 498 | 222 | -0.37 | -0.27 | 0.12 | ±1.00 | ±1.00 | ±1.00 |
| 1230 | 785 | 334 | 1190 | 769 | 343 | -0.29 | -0.18 | 0.23 | ±1.00 | ±1.00 | ±1.00 |
| 1680 | 1080 | 458 | 1650 | 1070 | 475 | -0.16 | -0.08 | 0.32 | ±1.00 | ±1.00 | ±1.00 |
| 2760 | 1760 | 751 | 2750 | 1770 | 752 | -0.03 | 0.05 | 0.01 | ±1.00 | ±1.00 | ±1.00 |
| 3300 | 2110 | 898 | 3300 | 2130 | 905 | 0.00 | 0.08 | 0.07 | ±1.00 | ±1.00 | ±1.00 |

SPEAG E-field linearity tolerance criteria¹:
±5.0dB for applied E-field < 2V/m
±1.0dB for applied E-field ≥ 2V/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response

Frequency Response, H-field, Channel 0

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.46 | 1.47 | 1.47 | -0.12 | -0.06 | -0.06 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.47 | 1.49 | 1.49 | 0.00 | 0.12 | 0.12 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.44 | 1.43 | 1.46 | -0.06 | -0.12 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | -0.06 | -0.06 | -0.06 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.42 | 1.42 | 1.42 | -0.06 | 0.00 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.29 | 4.23 | 4.21 | 0.02 | 0.00 | -0.02 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.26 | 4.22 | 4.23 | -0.02 | -0.04 | -0.02 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.25 | 4.23 | 4.22 | -0.06 | -0.02 | -0.04 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.29 | 4.26 | 4.26 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.29 | 4.26 | 4.25 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.27 | 4.26 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.29 | 4.27 | 4.27 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.28 | 4.25 | 4.26 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.27 | 4.25 | 4.25 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.26 | 4.24 | 4.24 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.25 | 4.22 | 4.23 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.24 | 4.22 | 4.21 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.20 | 4.20 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.20 | 4.18 | 4.18 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.17 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.13 | 4.13 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.11 | 4.10 | 4.10 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.08 | 4.06 | 4.06 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.04 | 4.04 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.01 | 4.01 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.97 | 3.97 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.89 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.89 | 3.88 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.87 | 3.87 | 3.86 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.82 | 3.82 | 3.81 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.76 | 3.76 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.78 | 3.76 | 3.75 | 0.02 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.71 | 3.69 | 3.69 | 0.02 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.59 | 3.60 | 3.59 | -0.02 | 0.02 | -0.02 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.43 | 3.45 | -0.03 | -0.03 | 0.03 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.27 | 3.29 | 3.28 | -0.08 | -0.03 | -0.05 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 1

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.46 | 1.47 | 1.48 | -0.12 | -0.06 | 0.00 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.46 | 1.49 | 1.48 | -0.06 | 0.12 | 0.06 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.43 | 1.44 | 1.45 | -0.12 | -0.06 | 0.00 | ±0.3 |
| 5600 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 0.00 | 0.00 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.42 | 1.43 | 1.43 | -0.06 | 0.00 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.42 | 1.43 | 1.42 | -0.06 | 0.06 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.28 | 4.23 | 4.20 | 0.00 | 0.00 | -0.04 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.27 | 4.24 | 4.24 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.25 | 4.24 | 4.25 | -0.06 | 0.00 | 0.02 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.27 | 4.25 | 4.25 | -0.06 | -0.02 | -0.02 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.27 | 4.25 | 4.26 | -0.06 | -0.02 | 0.00 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.28 | 4.27 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.27 | 4.27 | 4.27 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.26 | 4.27 | 4.27 | -0.04 | 0.02 | 0.02 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.25 | 4.25 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.24 | 4.24 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.23 | 4.23 | 4.24 | -0.04 | 0.00 | 0.02 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.22 | 4.21 | 4.22 | -0.04 | -0.02 | 0.00 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.19 | 4.20 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.19 | 4.18 | 4.18 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.14 | 4.14 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.11 | 4.10 | 4.10 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.06 | 4.07 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.05 | 4.05 | -0.02 | 0.02 | 0.02 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.02 | 4.03 | -0.02 | 0.00 | 0.04 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.98 | 3.97 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 3.93 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.91 | 3.92 | 3.93 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.90 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.88 | 3.88 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.88 | 3.86 | 3.86 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.83 | 3.82 | 3.81 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.77 | 3.76 | 3.76 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.76 | 3.76 | 3.75 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.69 | 3.69 | 3.70 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.59 | 3.58 | 3.59 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.40 | -0.03 | 0.00 | -0.10 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.32 | 3.32 | 3.31 | 0.05 | 0.05 | 0.03 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 2

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.48 | 0.00 | -0.06 | 0.00 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.47 | 1.49 | 1.48 | 0.00 | 0.12 | 0.06 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.46 | -0.06 | -0.06 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 0.00 | 0.00 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.43 | -0.06 | -0.06 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.43 | 1.42 | 1.42 | 0.00 | 0.00 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.29 | 4.21 | 4.21 | 0.02 | -0.04 | -0.02 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.26 | 4.22 | 4.23 | -0.02 | -0.04 | -0.02 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.27 | 4.23 | 4.22 | -0.02 | -0.02 | -0.04 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.28 | 4.25 | 4.26 | -0.04 | -0.02 | 0.00 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.28 | 4.24 | 4.26 | -0.04 | -0.04 | 0.00 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.29 | 4.26 | 4.27 | -0.02 | -0.04 | 0.00 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.29 | 4.26 | 4.26 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.29 | 4.25 | 4.26 | 0.02 | -0.02 | 0.00 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.25 | 4.25 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.24 | 4.24 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.24 | 4.22 | 4.22 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.23 | 4.21 | 4.21 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.19 | 4.20 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.19 | 4.18 | 4.18 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.13 | 4.13 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.12 | 4.09 | 4.09 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.06 | 4.07 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.04 | 4.04 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.01 | 4.01 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.97 | 3.97 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.91 | 3.89 | 3.89 | 0.02 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.89 | 3.88 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.88 | 3.87 | 3.87 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.84 | 3.82 | 3.81 | 0.02 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.76 | 3.77 | 0.00 | -0.02 | 0.02 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.76 | 3.76 | 3.76 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.70 | 3.69 | 3.69 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.60 | 3.60 | 3.60 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.43 | 3.42 | -0.03 | -0.03 | -0.05 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.28 | 3.29 | 3.29 | -0.05 | -0.03 | -0.03 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 3

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.47 | 1.48 | 1.47 | -0.06 | 0.00 | -0.06 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.49 | 0.00 | 0.06 | 0.12 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.43 | 1.43 | 1.46 | -0.12 | -0.12 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.45 | 1.44 | 1.43 | 0.06 | 0.00 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.43 | 0.00 | -0.06 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.42 | 1.43 | 1.42 | -0.06 | 0.06 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.29 | 4.21 | 4.22 | 0.02 | -0.04 | 0.00 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.26 | 4.24 | 4.22 | -0.02 | 0.00 | -0.04 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.27 | 4.23 | 4.22 | -0.02 | -0.02 | -0.04 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.28 | 4.27 | 4.27 | -0.04 | 0.02 | 0.02 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.29 | 4.28 | 4.24 | -0.02 | 0.04 | -0.04 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.27 | 4.27 | -0.04 | -0.02 | 0.00 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.28 | 4.27 | 4.26 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.27 | 4.25 | 4.25 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.24 | 4.24 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.24 | 4.23 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.24 | 4.23 | 4.22 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.23 | 4.21 | 4.21 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.22 | 4.19 | 4.19 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.19 | 4.17 | 4.18 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.17 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.13 | 4.13 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.10 | 4.11 | 4.09 | -0.04 | 0.02 | -0.02 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.06 | 4.06 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.04 | 4.04 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.01 | 4.01 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.97 | 3.97 | 0.00 | -0.02 | -0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.89 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.87 | 3.86 | 3.87 | -0.02 | -0.02 | 0.02 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.83 | 3.82 | 3.81 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.77 | 3.77 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.77 | 3.76 | 3.75 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.70 | 3.70 | 3.69 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.60 | 3.59 | 3.60 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.42 | -0.03 | 0.00 | -0.05 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.32 | 3.28 | 3.32 | 0.05 | -0.05 | 0.05 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 4

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.45 | -0.06 | -0.06 | -0.18 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.46 | 1.49 | 1.47 | -0.06 | 0.12 | 0.00 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.46 | -0.06 | -0.06 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 1.43 | 0.00 | -0.06 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.43 | -0.06 | -0.06 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.42 | 1.42 | 1.42 | -0.06 | 0.00 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.26 | 4.19 | 4.22 | -0.04 | -0.08 | 0.00 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.26 | 4.23 | 4.25 | -0.02 | -0.02 | 0.02 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.25 | 4.24 | 4.24 | -0.06 | 0.00 | 0.00 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.28 | 4.24 | 4.27 | -0.04 | -0.04 | 0.02 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.28 | 4.26 | 4.25 | -0.04 | 0.00 | -0.02 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.27 | 4.27 | -0.04 | -0.02 | 0.00 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.28 | 4.26 | 4.26 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.27 | 4.25 | 4.26 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.25 | 4.25 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.23 | 4.24 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.24 | 4.22 | 4.22 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.22 | 4.21 | 4.21 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.20 | 4.19 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.19 | 4.18 | 4.17 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.17 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.14 | 4.14 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.11 | 4.10 | 4.10 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.07 | 4.06 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.05 | 4.04 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.03 | 4.02 | 4.01 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.98 | 3.97 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.93 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.89 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.88 | 3.87 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.87 | 3.87 | 3.87 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.83 | 3.82 | 3.81 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.76 | 3.77 | 0.00 | -0.02 | 0.02 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.76 | 3.76 | 3.75 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.70 | 3.70 | 3.70 | 0.00 | 0.02 | 0.02 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.57 | 3.59 | 3.60 | -0.07 | 0.00 | 0.00 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.45 | 3.44 | 3.40 | 0.00 | 0.00 | -0.10 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.27 | 3.32 | 3.32 | -0.08 | 0.05 | 0.05 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 5

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.46 | 1.47 | 1.48 | -0.12 | -0.06 | 0.00 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.46 | 1.48 | 1.48 | -0.06 | 0.06 | 0.06 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.45 | 1.46 | 1.46 | -0.06 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.46 | -0.06 | -0.06 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.43 | 1.44 | 1.43 | -0.06 | 0.00 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.41 | 1.42 | 1.42 | -0.12 | -0.06 | -0.06 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.42 | 1.42 | 1.42 | -0.06 | 0.00 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.25 | 4.22 | 4.21 | -0.06 | -0.02 | -0.02 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.28 | 4.25 | 4.22 | 0.02 | 0.02 | -0.04 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.26 | 4.23 | 4.22 | -0.04 | -0.02 | -0.04 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.28 | 4.25 | 4.25 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.28 | 4.25 | 4.25 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.27 | 4.26 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.27 | 4.27 | 4.26 | -0.04 | 0.00 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.27 | 4.26 | 4.25 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.25 | 4.24 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.24 | 4.23 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.23 | 4.22 | 4.22 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.22 | 4.21 | 4.21 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.19 | 4.19 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.18 | 4.18 | 4.18 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.16 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.14 | 4.13 | 4.13 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.12 | 4.10 | 4.09 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.06 | 4.06 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.04 | 4.04 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.01 | 4.01 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.97 | 3.97 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 3.92 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.90 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.88 | 3.88 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.88 | 3.86 | 3.86 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.85 | 3.85 | 3.84 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.83 | 3.82 | 3.81 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.77 | 3.77 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.76 | 3.76 | 3.75 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.60 | 3.57 | 3.60 | 0.00 | -0.05 | 0.00 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.45 | 3.44 | 3.41 | 0.00 | 0.00 | -0.08 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.29 | 3.30 | 3.32 | -0.03 | 0.00 | 0.05 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 6

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.52 | 1.47 | 1.46 | 0.23 | -0.06 | -0.12 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.46 | 1.49 | 1.47 | -0.06 | 0.12 | 0.00 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.45 | -0.06 | -0.06 | 0.00 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 1.44 | 0.00 | -0.06 | 0.00 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.43 | -0.06 | -0.06 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.43 | 1.42 | 1.43 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.28 | 4.20 | 4.21 | 0.00 | -0.06 | -0.02 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.27 | 4.22 | 4.23 | 0.00 | -0.04 | -0.02 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.26 | 4.22 | 4.23 | -0.04 | -0.04 | -0.02 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.28 | 4.26 | 4.26 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.29 | 4.26 | 4.25 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.29 | 4.26 | 4.27 | -0.02 | -0.04 | 0.00 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.28 | 4.26 | 4.26 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.26 | 4.25 | 4.25 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.26 | 4.24 | 4.24 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.23 | 4.24 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.24 | 4.22 | 4.23 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.22 | 4.21 | 4.21 | -0.04 | -0.02 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.19 | 4.19 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.18 | 4.18 | 4.17 | -0.04 | 0.00 | -0.02 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.16 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.13 | 4.13 | -0.02 | -0.02 | -0.02 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.11 | 4.09 | 4.10 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.06 | 4.06 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.04 | 4.04 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.01 | 4.01 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.97 | 3.97 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 0.00 | -0.02 | -0.02 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 3.92 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.89 | 3.89 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.89 | 3.88 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.88 | 3.86 | 3.86 | 0.00 | -0.02 | 0.00 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.84 | 3.82 | 3.81 | 0.02 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.77 | 3.77 | 3.76 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.75 | 3.76 | 3.75 | -0.05 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.60 | 3.59 | 3.59 | 0.00 | 0.00 | -0.02 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.43 | -0.03 | 0.00 | -0.03 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.29 | 3.29 | 3.34 | -0.03 | -0.03 | 0.10 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, H-field, Channel 7

| f/(Hz) | H-field/(A/m) Applied | | | H-field/(A/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|------|------|-----------------------|------|------|-----------------|-------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 1.48 | 1.48 | 1.48 | 1.47 | 1.46 | 1.46 | -0.06 | -0.12 | -0.12 | ±0.3 |
| 3200 | 1.47 | 1.47 | 1.47 | 1.46 | 1.48 | 1.48 | -0.06 | 0.06 | 0.06 | ±0.3 |
| 4000 | 1.46 | 1.46 | 1.46 | 1.45 | 1.45 | 1.46 | -0.06 | -0.06 | 0.00 | ±0.3 |
| 5200 | 1.45 | 1.45 | 1.45 | 1.43 | 1.43 | 1.46 | -0.12 | -0.12 | 0.06 | ±0.3 |
| 6600 | 1.44 | 1.44 | 1.44 | 1.43 | 1.42 | 1.43 | -0.06 | -0.12 | -0.06 | ±0.3 |
| 8200 | 1.43 | 1.43 | 1.43 | 1.41 | 1.42 | 1.43 | -0.12 | -0.06 | 0.00 | ±0.3 |
| 9000 | 1.43 | 1.42 | 1.43 | 1.41 | 1.42 | 1.42 | -0.12 | 0.00 | -0.06 | ±0.3 |
| 10600 | 4.28 | 4.23 | 4.22 | 4.28 | 4.24 | 4.20 | 0.00 | 0.02 | -0.04 | ±0.3 |
| 13400 | 4.27 | 4.24 | 4.24 | 4.26 | 4.22 | 4.24 | -0.02 | -0.04 | 0.00 | ±0.3 |
| 17000 | 4.28 | 4.24 | 4.24 | 4.25 | 4.24 | 4.23 | -0.06 | 0.00 | -0.02 | ±0.3 |
| 21400 | 4.30 | 4.26 | 4.26 | 4.29 | 4.27 | 4.26 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 27200 | 4.30 | 4.26 | 4.26 | 4.28 | 4.25 | 4.27 | -0.04 | -0.02 | 0.02 | ±0.3 |
| 34400 | 4.30 | 4.28 | 4.27 | 4.28 | 4.28 | 4.26 | -0.04 | 0.00 | -0.02 | ±0.3 |
| 40000 | 4.29 | 4.27 | 4.27 | 4.26 | 4.27 | 4.26 | -0.06 | 0.00 | -0.02 | ±0.3 |
| 43600 | 4.28 | 4.26 | 4.26 | 4.27 | 4.26 | 4.25 | -0.02 | 0.00 | -0.02 | ±0.3 |
| 55400 | 4.27 | 4.25 | 4.25 | 4.25 | 4.25 | 4.25 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 70000 | 4.26 | 4.24 | 4.24 | 4.25 | 4.25 | 4.23 | -0.02 | 0.02 | -0.02 | ±0.3 |
| 88800 | 4.25 | 4.23 | 4.23 | 4.24 | 4.22 | 4.23 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 112400 | 4.24 | 4.22 | 4.22 | 4.22 | 4.22 | 4.21 | -0.04 | 0.00 | -0.02 | ±0.3 |
| 142400 | 4.22 | 4.20 | 4.20 | 4.21 | 4.20 | 4.20 | -0.02 | 0.00 | 0.00 | ±0.3 |
| 161750 | 4.20 | 4.18 | 4.18 | 4.18 | 4.18 | 4.18 | -0.04 | 0.00 | 0.00 | ±0.3 |
| 180400 | 4.19 | 4.17 | 4.17 | 4.18 | 4.17 | 4.18 | -0.02 | 0.00 | 0.02 | ±0.3 |
| 228400 | 4.16 | 4.14 | 4.14 | 4.15 | 4.15 | 4.14 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 289400 | 4.12 | 4.10 | 4.10 | 4.11 | 4.09 | 4.10 | -0.02 | -0.02 | 0.00 | ±0.3 |
| 366400 | 4.08 | 4.06 | 4.06 | 4.07 | 4.07 | 4.07 | -0.02 | 0.02 | 0.02 | ±0.3 |
| 400000 | 4.06 | 4.04 | 4.04 | 4.05 | 4.05 | 4.04 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 464000 | 4.03 | 4.02 | 4.01 | 4.02 | 4.03 | 4.01 | -0.02 | 0.02 | 0.00 | ±0.3 |
| 587800 | 3.98 | 3.98 | 3.97 | 3.98 | 3.98 | 3.98 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 744200 | 3.93 | 3.93 | 3.93 | 3.93 | 3.94 | 3.93 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 942600 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.93 | 0.00 | 0.00 | 0.02 | ±0.3 |
| 1193600 | 3.90 | 3.89 | 3.89 | 3.90 | 3.90 | 3.89 | 0.00 | 0.02 | 0.00 | ±0.3 |
| 1511600 | 3.89 | 3.88 | 3.88 | 3.89 | 3.89 | 3.87 | 0.00 | 0.02 | -0.02 | ±0.3 |
| 1914400 | 3.88 | 3.87 | 3.86 | 3.88 | 3.87 | 3.86 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 2424400 | 3.86 | 3.85 | 3.85 | 3.86 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 3.83 | 3.82 | 3.81 | 3.84 | 3.83 | 3.81 | 0.02 | 0.02 | 0.00 | ±0.3 |
| 3888000 | 3.78 | 3.77 | 3.76 | 3.78 | 3.76 | 3.77 | 0.00 | -0.02 | 0.02 | ±0.3 |
| 4000000 | 3.77 | 3.76 | 3.75 | 3.75 | 3.76 | 3.75 | -0.05 | 0.00 | 0.00 | ±0.3 |
| 4923800 | 3.70 | 3.69 | 3.69 | 3.70 | 3.69 | 3.69 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 3.60 | 3.59 | 3.60 | 3.59 | 3.60 | 3.61 | -0.02 | 0.02 | 0.02 | ±0.3 |
| 7896400 | 3.45 | 3.44 | 3.44 | 3.44 | 3.43 | 3.41 | -0.03 | -0.03 | -0.08 | ±0.3 |
| 10000000 | 3.30 | 3.30 | 3.30 | 3.29 | 3.32 | 3.34 | -0.03 | 0.05 | 0.10 | ±0.3 |

SPEAG H-field frequency response tolerance criteria¹:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

¹ Calibration uncertainty not taken into account (shared risk 50%).

Frequency Response, E-field, Channel 0

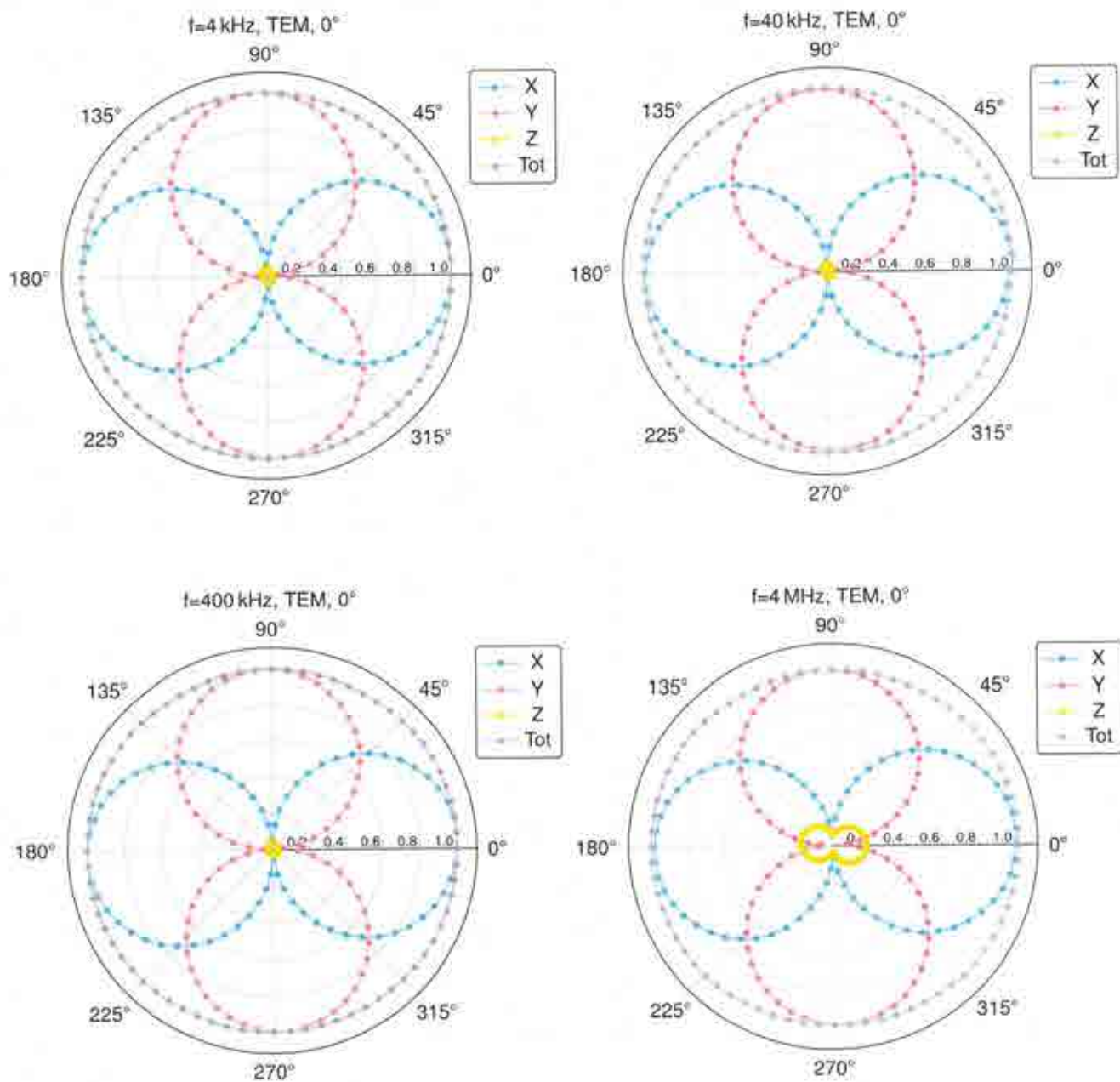
| f/(Hz) | E-field/(V/m) Applied | | | E-field/(V/m) Reading | | | Difference/(dB) | | | Tolerance/(dB) |
|----------|-----------------------|-----|-----|-----------------------|-----|-----|-----------------|------|-------|----------------|
| | x | y | z | x | y | z | x | y | z | |
| 3000 | 169 | 169 | 172 | 170 | 170 | 172 | 0.05 | 0.05 | 0.00 | ±0.3 |
| 3200 | 167 | 167 | 162 | 167 | 169 | 163 | 0.00 | 0.10 | 0.05 | ±0.3 |
| 4000 | 175 | 175 | 170 | 175 | 175 | 170 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 5200 | 165 | 165 | 163 | 166 | 165 | 163 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 6600 | 163 | 163 | 160 | 163 | 163 | 160 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 8200 | 162 | 162 | 159 | 163 | 162 | 159 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 9000 | 163 | 163 | 164 | 164 | 163 | 164 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 10600 | 166 | 166 | 159 | 167 | 166 | 159 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 13400 | 163 | 163 | 162 | 164 | 164 | 161 | 0.05 | 0.05 | -0.05 | ±0.3 |
| 17000 | 161 | 161 | 163 | 162 | 162 | 163 | 0.05 | 0.05 | 0.00 | ±0.3 |
| 21400 | 157 | 157 | 158 | 158 | 157 | 158 | 0.06 | 0.00 | 0.00 | ±0.3 |
| 27200 | 158 | 158 | 157 | 158 | 158 | 157 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 34400 | 162 | 162 | 159 | 163 | 162 | 159 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 40000 | 161 | 161 | 161 | 162 | 161 | 161 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 43600 | 162 | 162 | 160 | 162 | 162 | 160 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 55400 | 161 | 161 | 159 | 161 | 161 | 159 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 70000 | 162 | 162 | 160 | 162 | 162 | 160 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 88800 | 161 | 161 | 160 | 162 | 162 | 160 | 0.05 | 0.05 | 0.00 | ±0.3 |
| 112400 | 161 | 161 | 160 | 162 | 161 | 160 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 142400 | 162 | 162 | 160 | 163 | 162 | 160 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 161750 | 163 | 163 | 162 | 164 | 163 | 162 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 180400 | 164 | 164 | 162 | 164 | 164 | 162 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 228400 | 165 | 165 | 163 | 166 | 165 | 163 | 0.05 | 0.05 | 0.00 | ±0.3 |
| 289400 | 166 | 166 | 164 | 166 | 166 | 164 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 366400 | 166 | 166 | 165 | 167 | 166 | 165 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 400000 | 167 | 167 | 165 | 168 | 167 | 165 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 464000 | 168 | 168 | 166 | 169 | 169 | 166 | 0.05 | 0.05 | 0.00 | ±0.3 |
| 587800 | 169 | 169 | 167 | 170 | 169 | 167 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 744200 | 169 | 169 | 167 | 170 | 170 | 168 | 0.05 | 0.05 | 0.05 | ±0.3 |
| 942600 | 170 | 170 | 168 | 171 | 170 | 168 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 1193600 | 171 | 171 | 169 | 171 | 171 | 169 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 1511600 | 170 | 170 | 169 | 171 | 170 | 169 | 0.05 | 0.00 | 0.00 | ±0.3 |
| 1914400 | 170 | 170 | 168 | 170 | 170 | 168 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 2424400 | 170 | 170 | 168 | 170 | 170 | 168 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3070200 | 171 | 171 | 169 | 171 | 171 | 169 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 3888000 | 171 | 171 | 169 | 171 | 171 | 169 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 4000000 | 171 | 171 | 169 | 171 | 171 | 170 | 0.00 | 0.00 | 0.05 | ±0.3 |
| 4923800 | 172 | 172 | 170 | 172 | 172 | 170 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 6235400 | 174 | 174 | 172 | 174 | 174 | 172 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 7896400 | 180 | 180 | 179 | 180 | 180 | 179 | 0.00 | 0.00 | 0.00 | ±0.3 |
| 10000000 | 201 | 201 | 199 | 201 | 201 | 199 | 0.00 | 0.00 | 0.00 | ±0.3 |

SPEAG E-field frequency response tolerance criteria¹:
±0.3dB for applied E-fields at calibration points from 3kHz to 10MHz

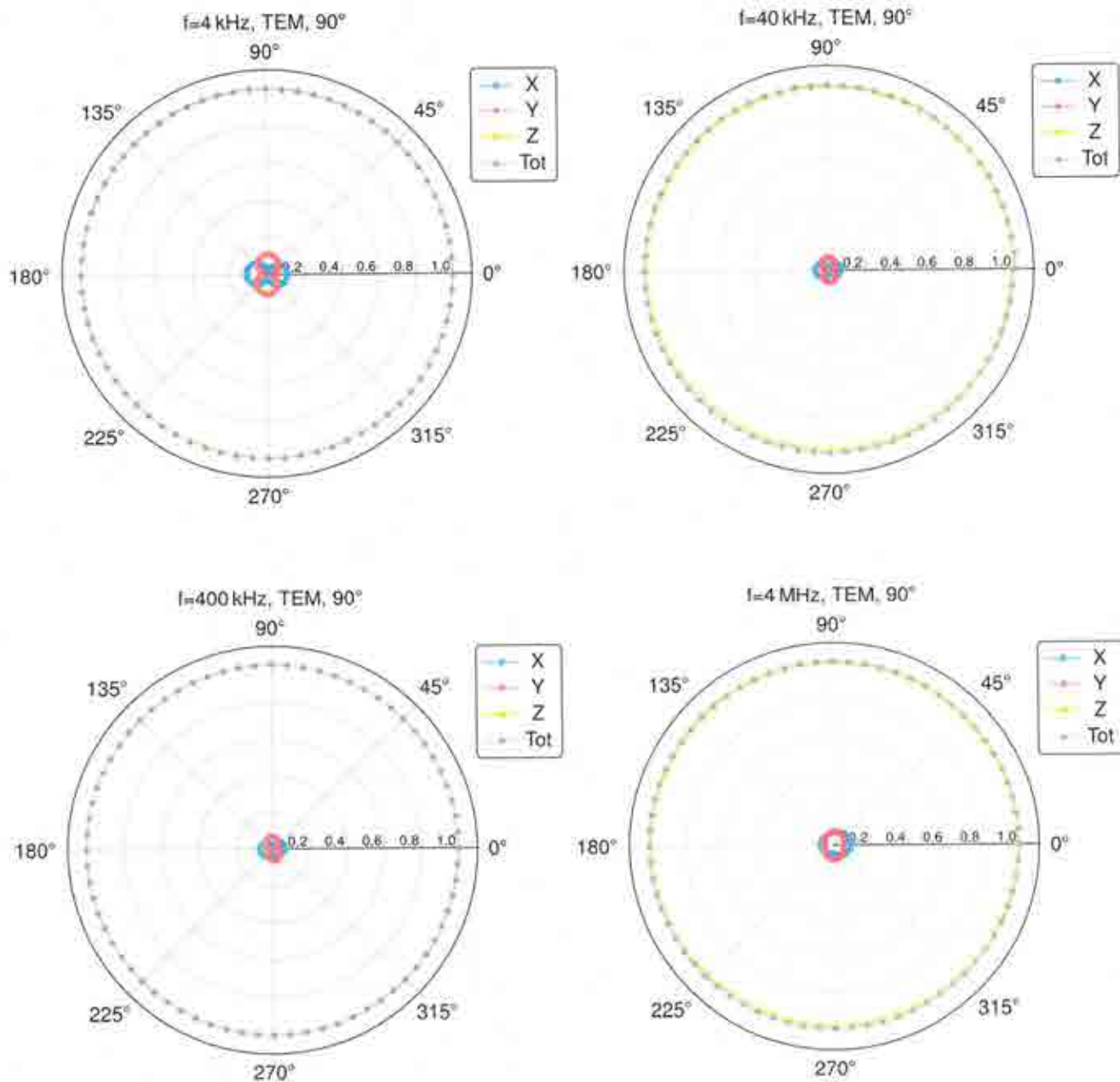
¹Calibration uncertainty not taken into account (shared risk 50%).

Isotropy H-Field

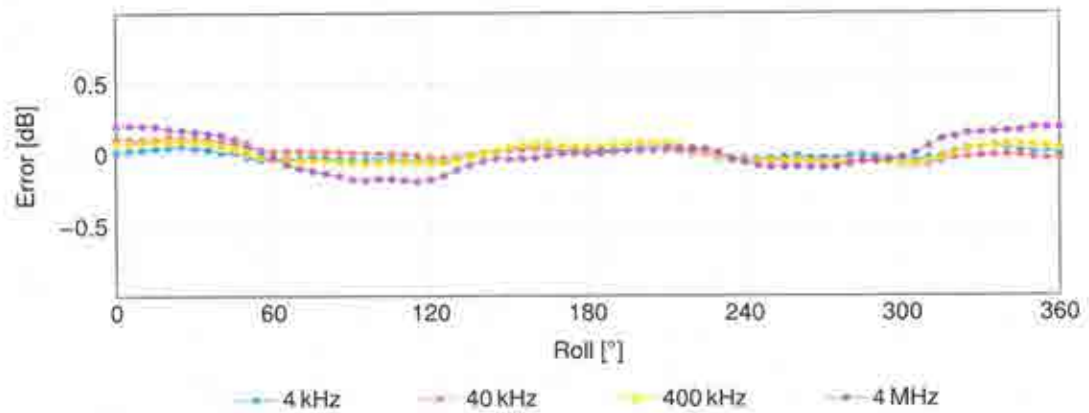
H-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



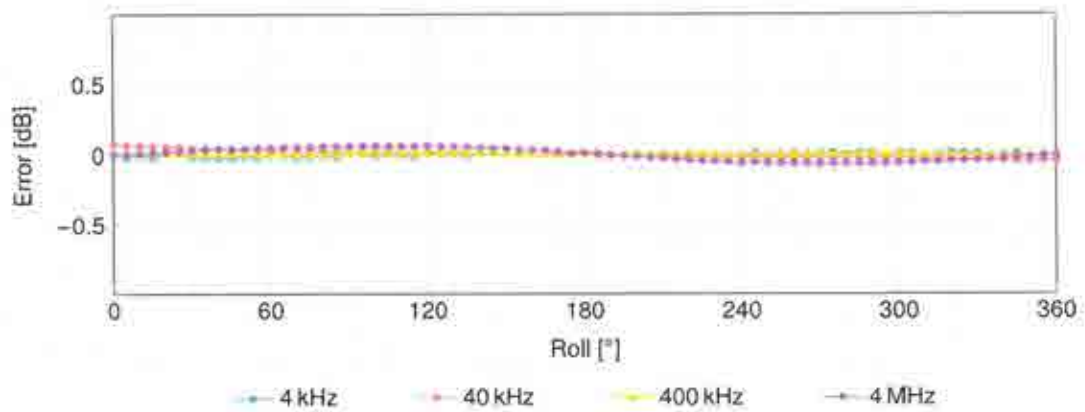
H-Field Receiving Pattern (ϕ), $\theta = 90^\circ$



H-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



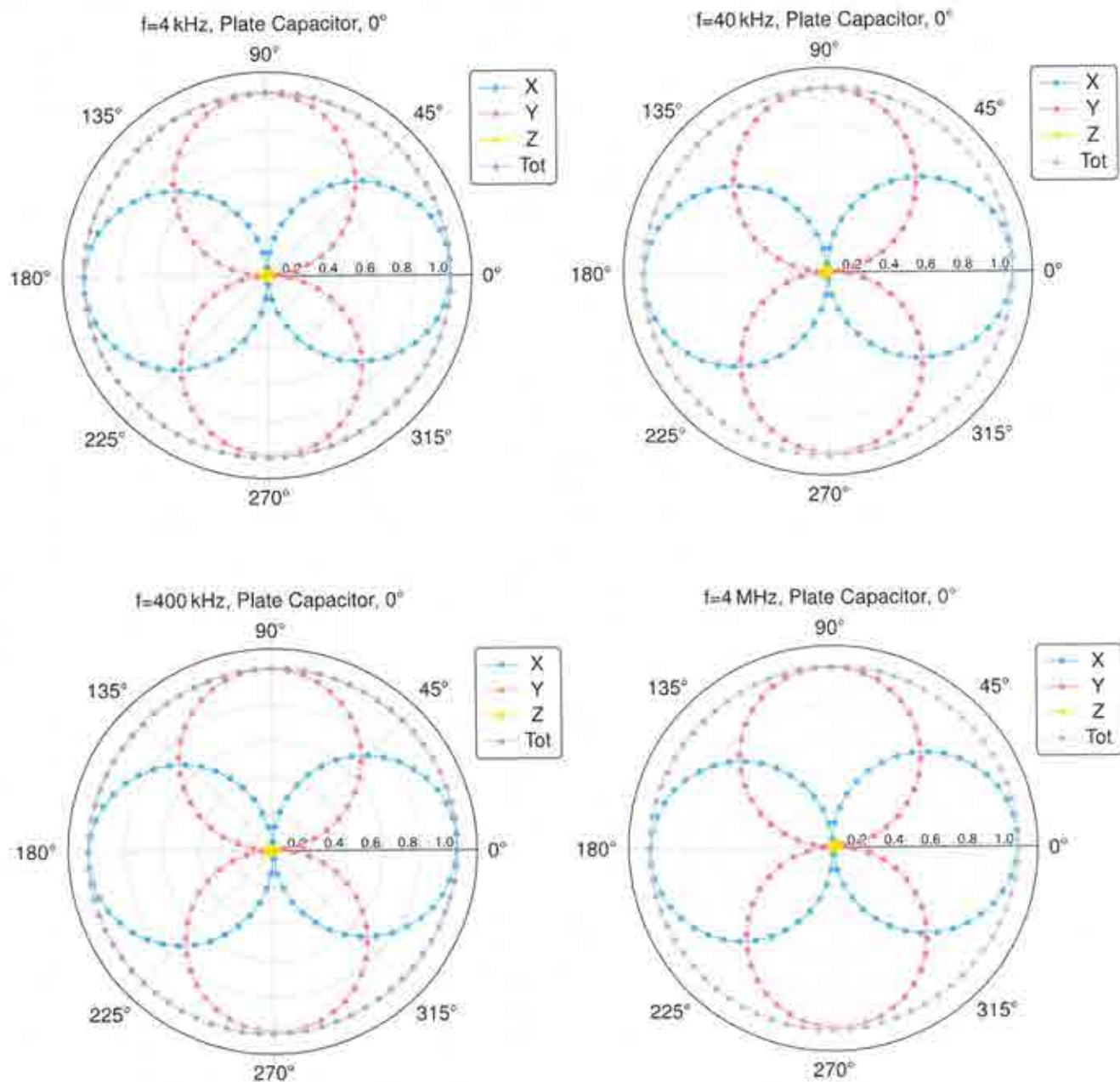
H-Field Receiving Pattern (ϕ), $\theta = 90^\circ$



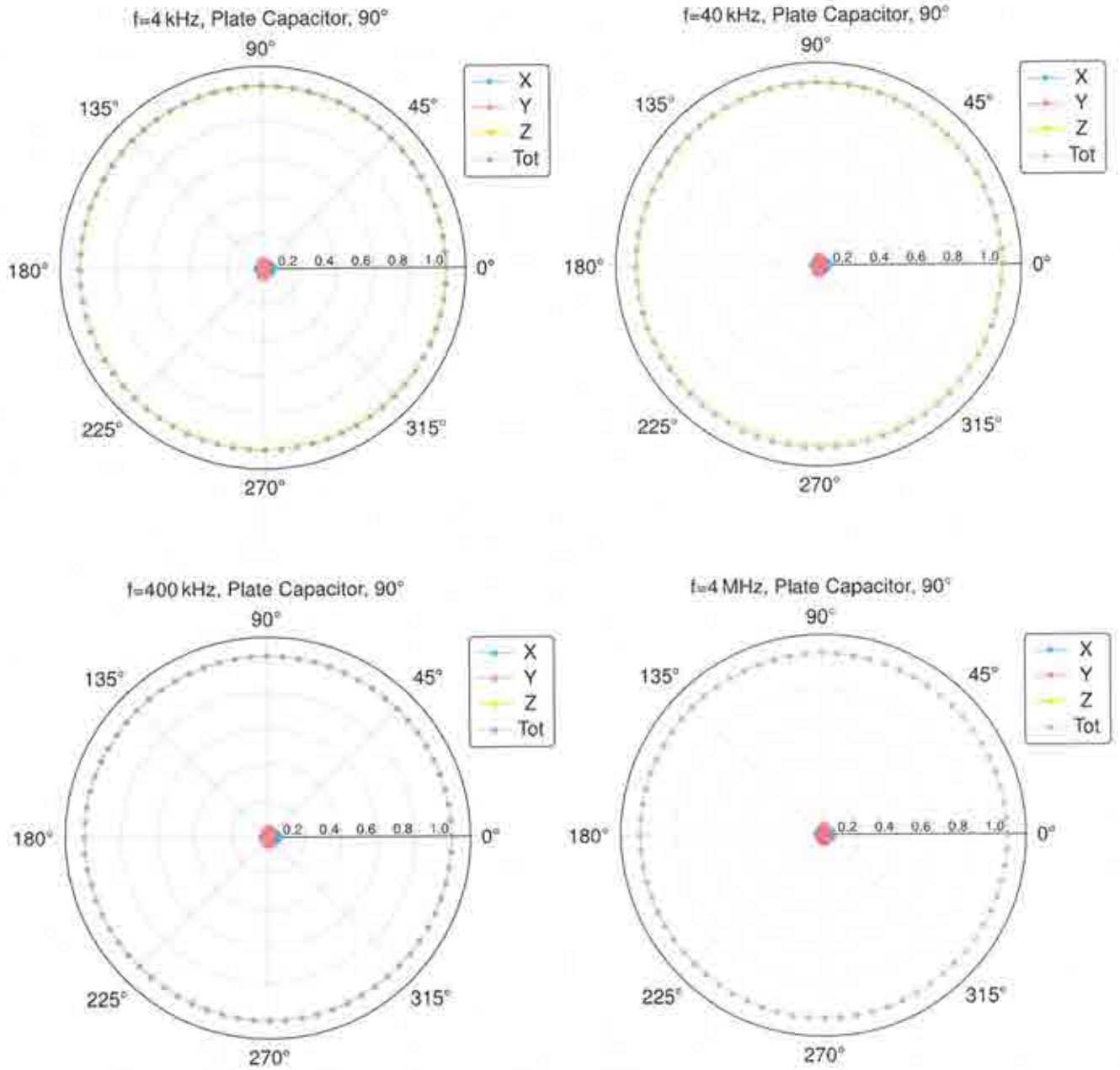
SPEAG axial deviation from the ideal response tolerance for H-field: ± 0.6 dB

Isotropy E-Field

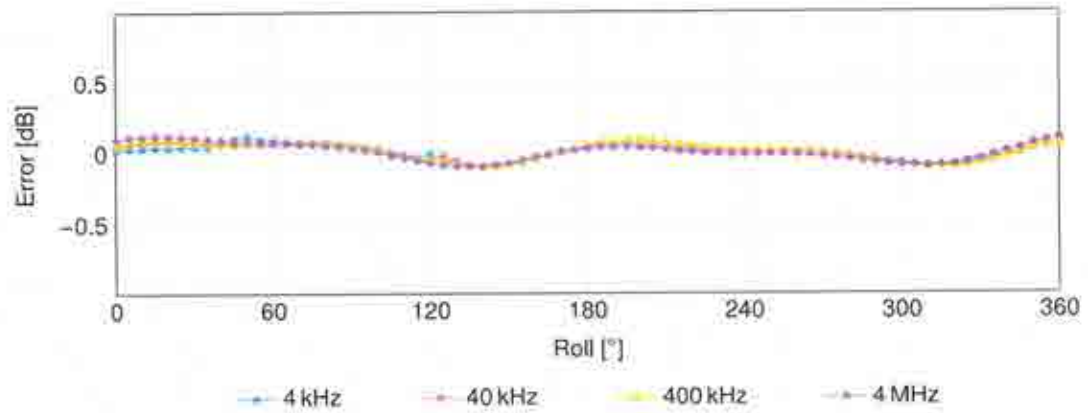
E-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



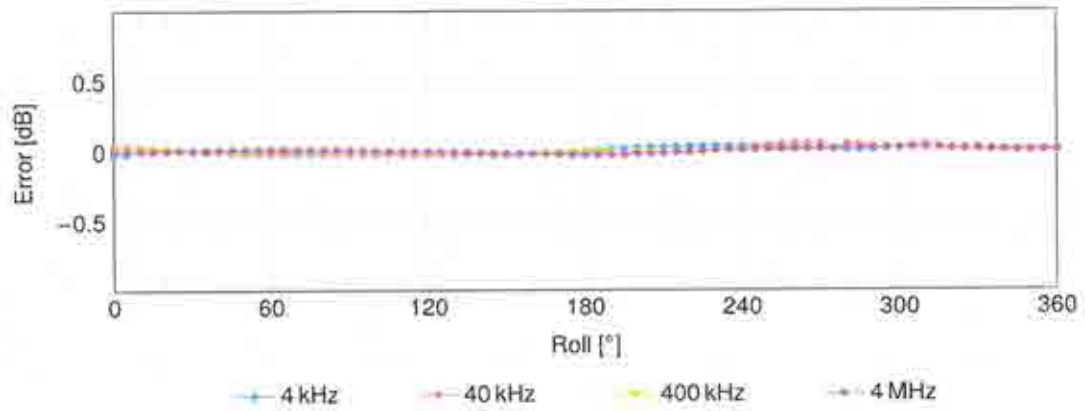
E-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



E-Field Receiving Pattern (ϕ), $\vartheta = 0^\circ$



E-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



SPEAG axial deviation from the ideal response tolerance for E-field: ± 0.8 dB

Client **Sporton**
Taoyuan

Certificate No: **V-Coil350/85V2-1023** May24

CALIBRATION CERTIFICATE

Object: **V-Coil350/85V2 - SN: 1023**

Calibration procedure(s): **QA CAL-47.v13
Calibration Procedure for WPT Verification & Validation Sources**


Calibration date: **May 22, 2024**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 75%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID # | Cal Date (Certificate No.) | Scheduled Calibration |
|---------------------|---------------|---------------------------------|-----------------------|
| MAGPy-8H3D+E3D/DAS | SN: 3089/3079 | 17-Nov-23 (MAGPy-8H3D+E3D-3089) | Nov-24 |
| Secondary Standards | ID # | Check Date (in house) | Scheduled Check |

| | | | |
|----------------|----------------------------|-----------------------------------|--|
| Calibrated by: | Name Jinglian Xi | Function Project Leader | Signature  |
|----------------|----------------------------|-----------------------------------|--|

| | | | |
|--------------|--------------------------|--------------------------------------|--|
| Approved by: | Name Sven Kühn | Function Technical Manager | Signature  |
|--------------|--------------------------|--------------------------------------|--|

Issued: May 29, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Glossary:

| | |
|-----|---------------------------|
| WPT | wireless power transfer |
| V&V | verification & validation |

Calibration is Performed According to the Following Standards:

- Internal procedure QA CAL-47 Calibration procedure for WPT verification & validation sources from 3 kHz to 10 MHz
- IEC/IEEE 63164, "Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems – Models, instrumentation, measurement and computational methods and procedures (Frequency range 3 kHz to 30 MHz)", draft standard, 2023

Additional Documentation:

- a) cDASY6/DASY8 Module WPT Manual

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* The V&V source is switched on for at least 30 minutes.
- *Source Positioning:* The V&V source is placed in the center of the UniPV1 phantom such that the source surface is parallel to phantom surface. The probe location used for DUT teaching is the top center of the coil (marked on the source casing). The probe distance is verified using mechanical gauges placed on the source surface.
- *H-field distribution:* H-field is measured in the volume above the V&V source in a rectilinear grid with a uniform grid step of 7.33 mm.

Calibrated Quantity

- Spatial peak of H-field (RMS value) at d mm from the DUT surface (extrapolated from measurements)

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

| | | |
|-------------------|-------------------|----------------------------------|
| Software version | cDASY6 Module WPT | 2.4.0.4346 |
| | Notebook GUI | 2.4.0.2 |
| | Sim4Life | 7.2.4 |
| Scan setup | Grid dimensions | x: 477 mm, y: 389 mm, z: 36.7 mm |
| | Grid resolutions | dx, dy, dz: 7.33 mm |
| Nominal frequency | 85 kHz | |

Calibrated Quantities

| Distance (relative to source surface) (mm) | Peak H-field (A/m) | Uncertainty (k=2) (dB) |
|--|--------------------|------------------------|
| 0 | 208 | 1.13 |
| 2 | 189 | 1.13 |

Appendix (Additional assessments outside the scope of SCS 0108)

Peak values of induced fields¹

| Distance (relative to source surface) (mm) | Induced peak current density, 1cm ² area avg. (A/m ²) | Induced peak E-field (V/m) | | | peak spatial SAR (mW/kg) | |
|--|--|----------------------------|-------|---------------|--------------------------|----------|
| | | 2mm cube avg. | Local | 5mm line avg. | 1g avg. | 10g avg. |
| 0 | 2.35 | 3.35 | 3.38 | 3.39 | 6.50 | 4.84 |
| 2 | 2.22 | 3.15 | 3.18 | 3.19 | 5.81 | 4.38 |

Voltage measurement

| Total voltage (V) | Voltages at harmonics (dBc) |
|-------------------|--|
| 0.414 | Highest harmonic: -40.1 2 nd highest harmonic: -48.0 |

¹ determined for a virtual half-space phantom with tissue properties $\epsilon_r = 55$, $\sigma = 0.75$ S/m, $\rho = 1000$ kg/m³

Measurement report

cDASY6 Module WPT Measurement Report

Device under test

Info:
V-Coil350/85

Serial number:
1023

Scenario:
source calibration

Tool info

DASY software version:
cDASY6 Module WPT 2.4.0.4346

Probe model, serial no. and configuration data:
MAGPy-BH3D+E3Dv2_WP000231_2024/01/10

Software version:
2.0.49, backend: 2.2.3

Scan info

Center location:
x: -48.08 mm, y: -119.86 mm, z: 35.63 mm

Dimensions:
x: 477.0 mm, y: 398.0 mm, z: 36.7 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2024/05/22 21:39:05

Measurement results

Maximum H-field [rms]:

MAGNITUDE: 131.92 A/m

x: 113.01 A/m, y: 32.68 A/m, z: 59.70 A/m

Maximum H-field location relative to DUT:

x: 157.67 mm, y: -25.67 mm, z: 8.50 mm

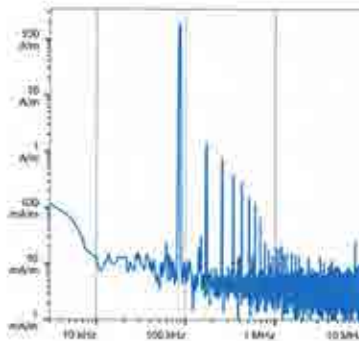
Distance to -20.0 dB boundary:

51.33 mm

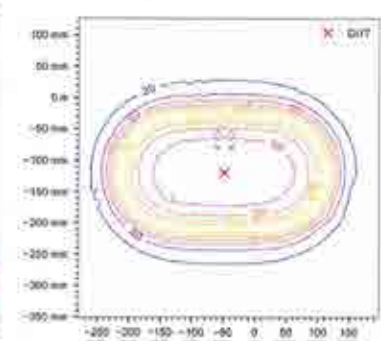
Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [rms] at maximum location



H-field magnitude [rms] at lowest plane



Incident fields, and induced quantities in the anatomical model (f = 85.00 MHz, r = 0.750 cm, tissue density = 1.000 kg/dm³)

| Distance [mm] | Peak incident fields [rms] | Peak E _{ind} [V/m, rms] | | | Peak J _{ind} [A/m ² , rms] | psSAR [mW/kg] | | H-field extent | Sign | Vector potential | Errors Boundary effect |
|---------------|----------------------------|----------------------------------|-----------|-------|--|---------------|--------------|----------------|------|------------------|------------------------|
| | | H _{inc} [A/m] | Cube avg. | Local | | Line avg. | Surface avg. | | | | |
| 0.0 | 208.0 | 3.35 | 3.38 | 3.39 | 2.35 | 6.5 | 4.84 | 182.0 | 1% | 07% | 36% |
| 2.0 | 189.0 | 3.15 | 3.18 | 3.19 | 2.22 | 5.81 | 4.38 | 184.0 | 1% | 07% | 38% |

Standard compliance evaluation, Absolute

| Distance [mm] | ICNIRP 2010/2020 | | | ICNIRP 1998 | | | IEEE 2019 | | | FCC | | | HC Code 6 | | |
|---------------|------------------|---------|-------|-------------|---------|-------|-----------|----------|-------|----------|---------|-------|-----------|---------|-------|
| | RL [μm] | BR [μm] | psSAR | RL [μm] | BR [μm] | psSAR | ERL [μm] | DRL [μm] | psSAR | MPE [μm] | BR [μm] | psSAR | RL [μm] | BR [μm] | psSAR |
| 0.0 | 208.0 | 3.35 | 4.84 | 208.0 | 2.35 | 4.84 | 208.0 | 3.39 | 4.84 | 208.0 | N/A | 6.5 | 208.0 | 3.38 | 6.5 |
| 2.0 | 189.0 | 3.15 | 4.38 | 189.0 | 2.22 | 4.38 | 189.0 | 3.19 | 4.38 | 189.0 | N/A | 5.81 | 189.0 | 3.18 | 5.81 |

Standard compliance evaluation, Relative

| Distance [mm] | ICNIRP 2010/2020 [dB] | | | ICNIRP 1998 [dB] | | | IEEE 2019 [dB] | | | FCC [dB] | | | HC Code 6 [dB] | | |
|---------------|-----------------------|-------|-------|------------------|------|-------|----------------|-------|-------|----------|-----|-------|----------------|-------|-------|
| | RL | BR | psSAR | RL | BR | psSAR | ERL | DRL | psSAR | MPE | BR | psSAR | RL | BR | psSAR |
| 0.0 | 19.9 | -10.7 | -26.2 | 32.4 | 22.8 | -26.2 | 2.1 | -14.4 | -26.2 | 7.3 | N/A | N/A | 27.7 | -10.6 | -23.9 |
| 2.0 | 19.1 | -11.2 | -26.6 | 31.5 | 22.3 | -26.6 | 1.3 | -14.9 | -26.6 | 6.4 | N/A | N/A | 26.8 | -11.1 | -24.4 |

Document generated at 2024/05/22 22:14:05; simulation performed at 2024/05/22 22:01:24 using Sim4Life version 7.2.4.14019