

Appendix B - Probe Calibration Certificate

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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S Swiss Calibration Service

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Accreditation No.: SCS 0108

Client
SGS
Taoyuan

Certificate No. MAGPy-8H3D-3062_Sep25

CALIBRATION CERTIFICATE

Object
MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

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

Calibration date
September 18, 2025

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	15-Aug-25 (No. 4030A315010970)	Aug-26
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-25 (No. 217-04284)	Mar-26
Type-N mismatch	SN: L1119	26-Mar-25 (No. 217-04292)	Mar-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Network Analyzer E5061B	SN: MY49810822	In house check: Nov-24	In house check: Nov-25
TEM Cell	SN: S6029i	In house check: Nov-24	In house check: Nov-25
Plate Capacitor	SN: 6028i	In house check: Nov-24	In house check: Nov-25
Resonator (160kHz)	SN: 6030i	In house check: Nov-24	In house check: Nov-25

	Name	Function	Signature
Calibrated by	Krešimir Franjić	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: September 18, 2025

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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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:

- a) 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 $\phi = 0^\circ \dots 360^\circ$; $\vartheta = 90^\circ$, 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 $\phi = 0^\circ \dots 360^\circ$; $\vartheta = 90^\circ$, 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%.

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

Measurement Conditions

Unit Type	MAGPy-8H3D+E3DV2 (SP MGY 303 AA)	3062
	MAGPy-DASV2 (SE UMS 303 AE)	3061
	MAGPy FPGA Board	WP000212
Adjustment Date	Last MAGPy Adjustment	September 18, 2025
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	
0.470	0.390	0.370	0.490	0.410	0.390	0.36	0.43	0.46	±1.00
0.630	0.530	0.500	0.650	0.550	0.530	0.27	0.32	0.51	±1.00
0.850	0.730	0.690	0.880	0.750	0.720	0.30	0.23	0.37	±1.00
1.10	0.950	0.900	1.12	0.980	0.940	0.16	0.27	0.38	±1.00
1.47	1.29	1.22	1.47	1.29	1.26	0.00	0.00	0.28	±1.00
2.01	1.77	1.68	2.01	1.77	1.72	0.00	0.00	0.20	±0.20
2.66	2.35	2.24	2.67	2.37	2.27	0.03	0.07	0.12	±0.20
3.54	3.14	3.00	3.55	3.16	3.01	0.02	0.06	0.03	±0.20
4.78	4.26	4.07	4.79	4.28	4.08	0.02	0.04	0.02	±0.20
6.42	5.76	5.51	6.44	5.78	5.52	0.03	0.03	0.02	±0.20
8.60	7.75	7.42	8.63	7.77	7.43	0.03	0.02	0.01	±0.20
11.4	10.3	9.91	11.5	10.4	9.93	0.08	0.08	0.02	±0.20
15.4	13.9	13.4	15.4	14.0	13.4	0.00	0.06	0.00	±0.20
20.7	18.8	18.1	20.7	18.8	18.1	0.00	0.00	0.00	±0.20
27.8	25.3	24.4	27.9	25.3	24.4	0.03	0.00	0.00	±0.20
37.0	33.8	32.6	37.2	33.9	32.8	0.05	0.03	0.05	±0.20
49.7	45.6	44.0	50.0	45.8	44.2	0.05	0.04	0.04	±0.20
67.2	61.6	59.6	67.5	61.9	60.0	0.04	0.04	0.06	±0.20
92.0	84.7	82.0	91.6	84.3	81.6	-0.04	-0.04	-0.04	±0.20
120	111	107	120	110	107	0.00	-0.08	0.00	±0.20
164	152	147	164	151	147	0.00	-0.06	0.00	±0.20
226	210	204	226	210	203	0.00	0.00	-0.04	±0.20
312	290	282	306	286	277	-0.17	-0.12	-0.16	±0.20
457	428	415	451	423	409	-0.11	-0.10	-0.13	±0.20
626	588	570	622	586	567	-0.06	-0.03	-0.05	±0.20
926	876	849	932	881	853	0.06	0.05	0.04	±0.20
1390	1320	1280	1420	1350	1310	0.19	0.20	0.20	±0.30
1890	1800	1740	1940	1860	1800	0.23	0.28	0.29	±0.30
3040	2930	2830	3170	3050	2950	0.36	0.35	0.36	±0.50
3590	3470	3360	3750	3630	3510	0.38	0.39	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 < 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%).

MAGPy-8H3D+E3DV2 SN:3062

MAGPy-DASV2 SN:3061

September 18, 2025

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	
0.470	0.400	0.380	0.510	0.410	0.390	0.71	0.21	0.23	±1.00
0.640	0.540	0.520	0.650	0.550	0.540	0.13	0.16	0.33	±1.00
0.870	0.740	0.710	0.870	0.750	0.730	0.00	0.12	0.24	±1.00
1.12	0.960	0.930	1.13	0.980	0.950	0.08	0.18	0.18	±1.00
1.50	1.30	1.26	1.52	1.32	1.28	0.12	0.13	0.14	±1.00
2.05	1.78	1.73	2.05	1.80	1.76	0.00	0.10	0.15	±0.20
2.71	2.37	2.31	2.73	2.39	2.31	0.06	0.07	0.00	±0.20
3.61	3.18	3.09	3.61	3.18	3.07	0.00	0.00	-0.06	±0.20
4.87	4.31	4.20	4.86	4.30	4.21	-0.02	-0.02	0.02	±0.20
6.55	5.82	5.68	6.54	5.83	5.72	-0.01	0.01	0.06	±0.20
8.77	7.83	7.65	8.78	7.83	7.67	0.01	0.00	0.02	±0.20
11.7	10.4	10.2	11.7	10.4	10.3	0.00	0.00	0.08	±0.20
15.7	14.1	13.8	15.7	14.1	13.9	0.00	0.00	0.06	±0.20
21.1	19.0	18.6	21.1	19.0	18.7	0.00	0.00	0.05	±0.20
28.3	25.6	25.1	28.3	25.6	25.2	0.00	0.00	0.03	±0.20
37.7	34.1	33.5	37.9	34.3	33.8	0.05	0.05	0.08	±0.20
50.7	46.1	45.3	50.9	46.3	45.6	0.03	0.04	0.06	±0.20
68.5	62.3	61.4	68.8	62.6	61.8	0.04	0.04	0.06	±0.20
93.8	85.6	84.4	93.4	85.2	84.0	-0.04	-0.04	-0.04	±0.20
122	112	110	122	111	110	0.00	-0.08	0.00	±0.20
167	153	152	167	153	151	0.00	0.00	-0.06	±0.20
231	212	210	231	212	210	0.00	0.00	0.00	±0.20
318	294	290	312	289	285	-0.17	-0.15	-0.15	±0.20
466	432	428	460	427	422	-0.11	-0.10	-0.12	±0.20
638	595	588	635	591	584	-0.04	-0.06	-0.06	±0.20
944	886	875	951	890	880	0.06	0.04	0.05	±0.20
1420	1340	1320	1450	1360	1350	0.18	0.13	0.20	±0.30
1920	1820	1800	1980	1880	1850	0.27	0.28	0.24	±0.30
3100	2960	2920	3230	3080	3040	0.36	0.35	0.35	±0.50
3650	3510	3460	3830	3670	3620	0.42	0.39	0.39	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

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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	
0.460	0.400	0.390	0.480	0.420	0.420	0.37	0.42	0.64	±1.00
0.620	0.540	0.530	0.650	0.560	0.570	0.41	0.32	0.63	±1.00
0.840	0.740	0.720	0.880	0.760	0.770	0.40	0.23	0.58	±1.00
1.09	0.960	0.940	1.14	0.990	0.980	0.39	0.27	0.36	±1.00
1.46	1.30	1.27	1.49	1.32	1.29	0.18	0.13	0.14	±1.00
1.99	1.78	1.75	2.01	1.80	1.78	0.09	0.10	0.15	±1.00
2.64	2.37	2.33	2.67	2.41	2.38	0.10	0.15	0.18	±0.20
3.51	3.17	3.13	3.54	3.19	3.14	0.07	0.05	0.03	±0.20
4.74	4.29	4.25	4.76	4.32	4.28	0.04	0.06	0.06	±0.20
6.38	5.80	5.74	6.41	5.84	5.76	0.04	0.06	0.03	±0.20
8.54	7.80	7.74	8.57	7.81	7.77	0.03	0.01	0.03	±0.20
11.4	10.4	10.3	11.4	10.4	10.4	0.00	0.00	0.08	±0.20
15.3	14.0	14.0	15.3	14.1	14.0	0.00	0.06	0.00	±0.20
20.5	18.9	18.8	20.5	18.9	18.9	0.00	0.00	0.05	±0.20
27.6	25.5	25.4	27.6	25.5	25.5	0.00	0.00	0.03	±0.20
36.7	34.0	33.9	36.9	34.2	34.2	0.05	0.05	0.08	±0.20
49.4	45.9	45.9	49.6	46.1	46.1	0.04	0.04	0.04	±0.20
66.7	62.1	62.1	67.0	62.4	62.5	0.04	0.04	0.06	±0.20
91.4	85.3	85.4	91.0	84.9	85.0	-0.04	-0.04	-0.04	±0.20
119	111	112	119	111	111	0.00	0.00	-0.08	±0.20
163	153	153	162	152	153	-0.05	-0.06	0.00	±0.20
225	212	212	225	211	212	0.00	-0.04	0.00	±0.20
309	293	294	304	288	288	-0.14	-0.15	-0.18	±0.20
453	431	433	448	425	427	-0.10	-0.12	-0.12	±0.20
621	593	595	618	589	591	-0.04	-0.06	-0.06	±0.20
920	883	885	926	887	890	0.06	0.04	0.05	±0.20
1380	1330	1340	1410	1360	1360	0.19	0.19	0.13	±0.30
1870	1820	1820	1930	1870	1870	0.27	0.24	0.24	±0.30
3020	2950	2950	3150	3070	3070	0.37	0.35	0.35	±0.50
3560	3500	3500	3730	3650	3660	0.41	0.36	0.39	±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 ≥ 1000A/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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

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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	
0.460	0.400	0.380	0.480	0.400	0.390	0.37	0.00	0.23	±1.00
0.620	0.540	0.520	0.650	0.540	0.530	0.41	0.00	0.17	±1.00
0.840	0.740	0.710	0.870	0.740	0.730	0.30	0.00	0.24	±1.00
1.09	0.960	0.920	1.11	0.960	0.950	0.16	0.00	0.28	±1.00
1.46	1.30	1.25	1.45	1.30	1.25	-0.06	0.00	0.00	±1.00
1.99	1.78	1.72	1.99	1.78	1.72	0.00	0.00	0.00	±1.00
2.63	2.37	2.29	2.65	2.37	2.32	0.07	0.00	0.11	±0.20
3.51	3.17	3.07	3.51	3.15	3.08	0.00	-0.05	0.03	±0.20
4.74	4.30	4.17	4.74	4.28	4.18	0.00	-0.04	0.02	±0.20
6.37	5.81	5.63	6.37	5.79	5.66	0.00	-0.03	0.05	±0.20
8.53	7.81	7.59	8.54	7.79	7.60	0.01	-0.02	0.01	±0.20
11.3	10.4	10.1	11.4	10.4	10.2	0.08	0.00	0.09	±0.20
15.3	14.1	13.7	15.3	14.0	13.7	0.00	-0.06	0.00	±0.20
20.5	18.9	18.5	20.5	18.9	18.5	0.00	0.00	0.00	±0.20
27.5	25.5	24.9	27.6	25.5	25.0	0.03	0.00	0.03	±0.20
36.7	34.0	33.3	36.9	34.2	33.5	0.05	0.05	0.05	±0.20
49.3	46.0	45.0	49.5	46.2	45.2	0.04	0.04	0.04	±0.20
66.6	62.1	61.0	66.9	62.5	61.3	0.04	0.06	0.04	±0.20
91.3	85.4	83.8	90.9	85.0	83.4	-0.04	-0.04	-0.04	±0.20
119	112	110	119	111	109	0.00	-0.08	-0.08	±0.20
163	153	150	162	153	150	-0.05	0.00	0.00	±0.20
225	212	208	224	211	208	-0.04	-0.04	0.00	±0.20
309	293	288	304	288	283	-0.14	-0.15	-0.15	±0.20
453	431	424	448	426	418	-0.10	-0.10	-0.12	±0.20
620	594	583	618	590	580	-0.03	-0.06	-0.04	±0.20
919	884	869	925	888	872	0.06	0.04	0.03	±0.20
1380	1340	1310	1410	1360	1340	0.19	0.13	0.20	±0.30
1870	1820	1780	1930	1870	1840	0.27	0.24	0.29	±0.30
3020	2950	2900	3140	3050	3010	0.34	0.29	0.32	±0.50
3560	3500	3430	3730	3610	3590	0.41	0.27	0.40	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	
0.460	0.400	0.390	0.490	0.430	0.410	0.55	0.63	0.43	±1.00
0.620	0.550	0.530	0.640	0.580	0.550	0.28	0.46	0.32	±1.00
0.850	0.750	0.730	0.850	0.790	0.750	0.00	0.45	0.23	±1.00
1.09	0.980	0.950	1.09	1.00	0.970	0.00	0.18	0.18	±1.00
1.47	1.32	1.28	1.49	1.32	1.30	0.12	0.00	0.13	±1.00
2.00	1.81	1.76	2.00	1.82	1.78	0.00	0.05	0.10	±1.00
2.65	2.41	2.35	2.66	2.43	2.37	0.03	0.07	0.07	±0.20
3.53	3.23	3.15	3.53	3.23	3.15	0.00	0.00	0.00	±0.20
4.76	4.37	4.28	4.77	4.37	4.28	0.02	0.00	0.00	±0.20
6.41	5.91	5.79	6.42	5.90	5.80	0.01	-0.01	0.01	±0.20
8.58	7.95	7.80	8.59	7.95	7.82	0.01	0.00	0.02	±0.20
11.4	10.6	10.4	11.4	10.6	10.5	0.00	0.00	0.08	±0.20
15.3	14.3	14.1	15.4	14.3	14.1	0.06	0.00	0.00	±0.20
20.6	19.3	19.0	20.6	19.3	19.0	0.00	0.00	0.00	±0.20
27.7	26.0	25.6	27.8	26.0	25.7	0.03	0.00	0.03	±0.20
36.9	34.6	34.2	37.1	34.8	34.4	0.05	0.05	0.05	±0.20
49.6	46.8	46.2	49.8	47.0	46.5	0.03	0.04	0.06	±0.20
67.0	63.2	62.6	67.3	63.6	63.0	0.04	0.05	0.06	±0.20
91.8	86.9	86.1	91.4	86.5	85.7	-0.04	-0.04	-0.04	±0.20
120	114	113	119	113	112	-0.07	-0.08	-0.08	±0.20
164	156	155	163	155	154	-0.05	-0.06	-0.06	±0.20
226	216	214	226	215	214	0.00	-0.04	0.00	±0.20
311	298	296	306	293	290	-0.14	-0.15	-0.18	±0.20
455	439	436	450	433	430	-0.10	-0.12	-0.12	±0.20
624	604	599	621	600	596	-0.04	-0.06	-0.04	±0.20
924	899	892	930	903	897	0.06	0.04	0.05	±0.20
1390	1360	1350	1410	1380	1370	0.12	0.13	0.13	±0.30
1880	1850	1830	1940	1900	1890	0.27	0.23	0.28	±0.30
3030	3010	2980	3160	3120	3100	0.36	0.31	0.34	±0.50
3580	3560	3530	3740	3720	3690	0.38	0.38	0.39	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	
0.470	0.410	0.400	0.480	0.400	0.400	0.18	-0.21	0.00	±1.00
0.630	0.550	0.540	0.640	0.550	0.540	0.14	0.00	0.00	±1.00
0.850	0.760	0.740	0.860	0.760	0.740	0.10	0.00	0.00	±1.00
1.10	0.980	0.970	1.09	0.990	0.970	-0.08	0.09	0.00	±1.00
1.47	1.33	1.31	1.47	1.33	1.32	0.00	0.00	0.07	±1.00
2.01	1.82	1.80	2.02	1.83	1.81	0.04	0.05	0.05	±0.20
2.65	2.42	2.40	2.66	2.44	2.41	0.03	0.07	0.04	±0.20
3.54	3.24	3.21	3.55	3.25	3.22	0.02	0.03	0.03	±0.20
4.78	4.40	4.37	4.80	4.41	4.37	0.04	0.02	0.00	±0.20
6.42	5.94	5.91	6.45	5.98	5.92	0.04	0.06	0.01	±0.20
8.60	8.00	7.96	8.62	8.04	7.98	0.02	0.04	0.02	±0.20
11.4	10.7	10.6	11.4	10.7	10.7	0.00	0.00	0.08	±0.20
15.4	14.4	14.4	15.4	14.4	14.4	0.00	0.00	0.00	±0.20
20.7	19.4	19.4	20.7	19.4	19.4	0.00	0.00	0.00	±0.20
27.8	26.1	26.1	27.8	26.2	26.2	0.00	0.03	0.03	±0.20
37.0	34.8	34.9	37.1	35.1	35.1	0.02	0.07	0.05	±0.20
49.7	47.0	47.2	50.0	47.3	47.4	0.05	0.06	0.04	±0.20
67.2	63.6	63.9	67.5	64.0	64.2	0.04	0.05	0.04	±0.20
92.0	87.4	87.9	91.7	87.0	87.5	-0.03	-0.04	-0.04	±0.20
120	114	115	120	114	114	0.00	0.00	-0.08	±0.20
164	157	158	164	156	157	0.00	-0.06	-0.06	±0.20
226	217	218	226	216	218	0.00	-0.04	0.00	±0.20
312	300	302	306	295	297	-0.17	-0.15	-0.15	±0.20
457	441	445	451	436	439	-0.11	-0.10	-0.12	±0.20
625	607	612	622	604	608	-0.04	-0.04	-0.06	±0.20
926	904	911	933	909	916	0.07	0.05	0.05	±0.20
1390	1370	1370	1420	1390	1400	0.19	0.13	0.19	±0.30
1890	1860	1870	1940	1910	1930	0.23	0.23	0.27	±0.30
3040	3020	3040	3170	3140	3160	0.36	0.34	0.34	±0.50
3580	3580	3600	3760	3740	3760	0.43	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 < 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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	
0.470	0.410	0.390	0.500	0.400	0.400	0.54	-0.21	0.22	±1.00
0.640	0.550	0.530	0.660	0.550	0.540	0.27	0.00	0.16	±1.00
0.870	0.750	0.730	0.870	0.750	0.740	0.00	0.00	0.12	±1.00
1.12	0.980	0.950	1.12	0.970	0.960	0.00	-0.09	0.09	±1.00
1.50	1.33	1.29	1.50	1.31	1.30	0.00	-0.13	0.07	±1.00
2.05	1.82	1.77	2.06	1.83	1.78	0.04	0.05	0.05	±0.20
2.71	2.42	2.36	2.72	2.44	2.37	0.03	0.07	0.04	±0.20
3.60	3.24	3.16	3.61	3.25	3.16	0.02	0.03	0.00	±0.20
4.87	4.39	4.29	4.86	4.39	4.34	-0.02	0.00	0.10	±0.20
6.55	5.93	5.80	6.54	5.95	5.85	-0.01	0.03	0.07	±0.20
8.77	7.98	7.81	8.78	7.99	7.87	0.01	0.01	0.07	±0.20
11.7	10.6	10.4	11.7	10.7	10.5	0.00	0.08	0.08	±0.20
15.7	14.4	14.1	15.7	14.4	14.1	0.00	0.00	0.00	±0.20
21.1	19.4	19.0	21.1	19.4	19.0	0.00	0.00	0.00	±0.20
28.3	26.1	25.7	28.4	26.2	25.7	0.03	0.03	0.00	±0.20
37.7	34.8	34.3	37.9	35.0	34.5	0.05	0.05	0.05	±0.20
50.7	47.0	46.3	50.9	47.2	46.5	0.03	0.04	0.04	±0.20
68.4	63.5	62.8	68.7	63.9	63.1	0.04	0.05	0.04	±0.20
93.8	87.3	86.2	93.4	86.9	85.9	-0.04	-0.04	-0.03	±0.20
122	114	113	122	114	112	0.00	0.00	-0.08	±0.20
167	157	155	167	156	154	0.00	-0.06	-0.06	±0.20
231	217	214	231	216	214	0.00	-0.04	0.00	±0.20
318	299	296	312	294	291	-0.17	-0.15	-0.15	±0.20
465	441	437	460	435	431	-0.09	-0.12	-0.12	±0.20
637	606	600	634	602	597	-0.04	-0.06	-0.04	±0.20
944	903	894	951	907	898	0.06	0.04	0.04	±0.20
1420	1360	1350	1450	1390	1380	0.18	0.19	0.19	±0.30
1920	1860	1840	1980	1910	1890	0.27	0.23	0.23	±0.30
3100	3020	2980	3230	3140	3100	0.36	0.34	0.34	±0.50
3650	3580	3530	3830	3730	3700	0.42	0.36	0.41	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	
0.470	0.390	0.380	0.500	0.410	0.400	0.54	0.43	0.45	±1.00
0.630	0.530	0.510	0.650	0.560	0.540	0.27	0.48	0.50	±1.00
0.850	0.730	0.700	0.860	0.760	0.730	0.10	0.35	0.36	±1.00
1.10	0.950	0.910	1.10	0.990	0.940	0.00	0.36	0.28	±1.00
1.48	1.29	1.24	1.50	1.33	1.26	0.12	0.27	0.14	±1.00
2.02	1.77	1.70	2.02	1.81	1.74	0.00	0.19	0.20	±0.20
2.67	2.35	2.27	2.69	2.38	2.31	0.06	0.11	0.15	±0.20
3.55	3.14	3.04	3.57	3.19	3.08	0.05	0.14	0.11	±0.20
4.80	4.26	4.13	4.82	4.32	4.17	0.04	0.12	0.08	±0.20
6.45	5.76	5.58	6.50	5.82	5.62	0.07	0.09	0.06	±0.20
8.64	7.75	7.52	8.68	7.82	7.56	0.04	0.08	0.05	±0.20
11.5	10.3	10.0	11.5	10.4	10.1	0.00	0.08	0.09	±0.20
15.4	13.9	13.6	15.5	14.0	13.6	0.06	0.06	0.00	±0.20
20.8	18.8	18.3	20.8	18.9	18.3	0.00	0.05	0.00	±0.20
27.9	25.3	24.7	27.9	25.4	24.8	0.00	0.03	0.04	±0.20
37.1	33.8	33.0	37.3	34.0	33.2	0.05	0.05	0.05	±0.20
50.0	45.6	44.6	50.2	45.8	44.8	0.03	0.04	0.04	±0.20
67.5	61.6	60.4	67.8	62.0	60.7	0.04	0.06	0.04	±0.20
92.4	84.7	83.0	92.1	84.4	82.7	-0.03	-0.03	-0.03	±0.20
120	111	109	120	110	108	0.00	-0.08	-0.08	±0.20
165	152	149	164	151	149	-0.05	-0.06	0.00	±0.20
228	210	206	227	210	206	-0.04	0.00	0.00	±0.20
313	291	285	308	286	280	-0.14	-0.15	-0.15	±0.20
459	428	420	454	423	415	-0.10	-0.10	-0.10	±0.20
628	589	578	626	586	575	-0.03	-0.04	-0.05	±0.20
931	877	861	937	882	864	0.06	0.05	0.03	±0.20
1400	1320	1300	1430	1350	1320	0.18	0.20	0.13	±0.30
1890	1800	1770	1950	1860	1820	0.27	0.28	0.24	±0.30
3050	2930	2870	3180	3050	2990	0.36	0.35	0.36	±0.50
3600	3470	3400	3770	3630	3560	0.40	0.39	0.40	±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%).

MAGPy-8H3D+E3DV2 SN:3062

MAGPy-DASV2 SN:3061

September 18, 2025

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
0.370	0.220	0.080	0.370	0.230	0.080	0.00	0.39	0.00	±5.00	±5.00	±5.00
0.500	0.300	0.100	0.520	0.300	0.120	0.34	0.00	1.58	±5.00	±5.00	±5.00
0.690	0.400	0.140	0.710	0.410	0.110	0.25	0.21	-2.09	±5.00	±5.00	±5.00
0.900	0.530	0.180	0.920	0.530	0.180	0.19	0.00	0.00	±5.00	±5.00	±5.00
1.21	0.710	0.250	1.24	0.710	0.230	0.21	0.00	-0.72	±5.00	±5.00	±5.00
1.66	0.980	0.340	1.69	0.970	0.310	0.16	-0.09	-0.80	±5.00	±5.00	±5.00
2.21	1.30	0.440	2.25	1.30	0.440	0.16	0.00	0.00	±1.00	±5.00	±5.00
2.95	1.74	0.590	3.01	1.73	0.570	0.17	-0.05	-0.30	±1.00	±5.00	±5.00
4.01	2.36	0.800	4.04	2.34	0.790	0.06	-0.07	-0.11	±1.00	±1.00	±5.00
5.41	3.18	1.08	5.46	3.17	1.04	0.08	-0.03	-0.33	±1.00	±1.00	±5.00
7.28	4.28	1.44	7.33	4.27	1.39	0.06	-0.02	-0.31	±1.00	±1.00	±5.00
9.71	5.71	1.91	9.76	5.69	1.84	0.04	-0.03	-0.32	±1.00	±1.00	±5.00
13.1	7.70	2.57	13.2	7.67	2.53	0.07	-0.03	-0.14	±1.00	±1.00	±1.00
17.6	10.4	3.46	17.7	10.3	3.36	0.05	-0.08	-0.25	±1.00	±1.00	±1.00
23.8	14.0	4.65	23.9	13.9	4.49	0.04	-0.06	-0.30	±1.00	±1.00	±1.00
31.7	18.7	6.19	32.1	18.7	6.00	0.11	0.00	-0.27	±1.00	±1.00	±1.00
42.9	25.2	8.33	43.2	25.2	8.07	0.06	0.00	-0.28	±1.00	±1.00	±1.00
57.9	34.1	11.2	58.5	34.1	10.9	0.09	0.00	-0.24	±1.00	±1.00	±1.00
79.6	46.8	15.4	79.6	46.3	14.9	0.00	-0.09	-0.29	±1.00	±1.00	±1.00
104	61.2	20.1	104	60.6	19.4	0.00	-0.09	-0.31	±1.00	±1.00	±1.00
143	84.0	27.4	143	83.2	26.5	0.00	-0.08	-0.29	±1.00	±1.00	±1.00
198	116	37.9	198	115	36.6	0.00	-0.08	-0.30	±1.00	±1.00	±1.00
273	161	52.2	276	161	50.9	0.09	0.00	-0.22	±1.00	±1.00	±1.00
402	236	76.4	390	227	75.1	-0.26	-0.34	-0.15	±1.00	±1.00	±1.00
553	325	105	541	316	104	-0.19	-0.24	-0.08	±1.00	±1.00	±1.00
824	485	155	816	476	155	-0.08	-0.16	0.00	±1.00	±1.00	±1.00
1240	732	233	1250	730	236	0.07	-0.02	0.11	±1.00	±1.00	±1.00
1690	997	316	1720	1000	324	0.15	0.03	0.22	±1.00	±1.00	±1.00
2750	1620	509	2830	1650	501	0.25	0.16	-0.14	±1.00	±1.00	±1.00
3260	1920	600	3380	1970	595	0.31	0.22	-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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.56	1.56	1.56	0.00	0.00	0.00	±0.3
3200	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.55	0.00	0.00	0.00	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.06	0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.54	-0.06	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.52	1.53	0.00	-0.06	0.00	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.00	0.00	±0.3
10600	4.37	4.26	4.25	4.34	4.26	4.25	-0.06	0.00	0.00	±0.3
13400	4.38	4.29	4.29	4.36	4.30	4.29	-0.04	0.02	0.00	±0.3
17000	4.38	4.32	4.32	4.38	4.33	4.33	0.00	0.02	0.02	±0.3
21400	4.41	4.33	4.33	4.42	4.34	4.33	0.02	0.02	0.00	±0.3
27200	4.40	4.35	4.34	4.40	4.34	4.34	0.00	-0.02	0.00	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.37	-0.02	0.00	0.00	±0.3
40000	4.40	4.36	4.36	4.39	4.37	4.36	-0.02	0.02	0.00	±0.3
43600	4.39	4.36	4.36	4.39	4.36	4.36	0.00	0.00	0.00	±0.3
55400	4.38	4.35	4.35	4.38	4.35	4.35	0.00	0.00	0.00	±0.3
70000	4.37	4.34	4.34	4.36	4.34	4.33	-0.02	0.00	-0.02	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.32	-0.02	0.00	-0.02	±0.3
112400	4.34	4.32	4.31	4.34	4.32	4.32	0.00	0.00	0.02	±0.3
142400	4.32	4.30	4.30	4.32	4.31	4.30	0.00	0.02	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.29	4.28	0.00	0.02	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.26	4.23	4.23	0.00	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.22	4.20	4.19	0.02	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.15	4.14	4.13	0.00	0.00	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.05	0.00	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.02	4.02	4.01	0.00	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.01	4.00	0.02	0.02	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.94	0.02	0.00	-0.02	±0.3
2424400	3.93	3.93	3.92	3.94	3.93	3.92	0.02	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.89	3.88	3.88	0.00	-0.02	-0.02	±0.3
3888000	3.83	3.83	3.83	3.84	3.83	3.83	0.02	0.00	0.00	±0.3
4000000	3.82	3.82	3.81	3.83	3.83	3.81	0.02	0.02	0.00	±0.3
4923800	3.75	3.75	3.74	3.75	3.75	3.74	0.00	0.00	0.00	±0.3
6235400	3.64	3.63	3.63	3.65	3.64	3.63	0.02	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.50	3.49	0.00	0.02	0.00	±0.3
10000000	3.34	3.34	3.34	3.34	3.35	3.34	0.00	0.03	0.00	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.57	1.56	1.56	0.06	0.00	0.00	±0.3
3200	1.56	1.56	1.56	1.56	1.58	1.57	0.00	0.11	0.06	±0.3
4000	1.55	1.55	1.55	1.55	1.56	1.55	0.00	0.06	0.00	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.06	0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.54	-0.06	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.52	1.53	0.00	-0.06	0.00	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.00	0.00	±0.3
10600	4.37	4.26	4.25	4.34	4.27	4.26	-0.06	0.02	0.02	±0.3
13400	4.38	4.29	4.29	4.36	4.28	4.31	-0.04	-0.02	0.04	±0.3
17000	4.38	4.32	4.32	4.36	4.32	4.32	-0.04	0.00	0.00	±0.3
21400	4.41	4.33	4.33	4.38	4.33	4.33	-0.06	0.00	0.00	±0.3
27200	4.40	4.35	4.34	4.40	4.36	4.36	0.00	0.02	0.04	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.37	-0.02	0.00	0.00	±0.3
40000	4.40	4.36	4.36	4.40	4.36	4.37	0.00	0.00	0.02	±0.3
43600	4.39	4.36	4.36	4.38	4.36	4.35	-0.02	0.00	-0.02	±0.3
55400	4.38	4.35	4.35	4.37	4.35	4.35	-0.02	0.00	0.00	±0.3
70000	4.37	4.34	4.34	4.36	4.34	4.35	-0.02	0.00	0.02	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.34	4.32	4.31	0.00	0.00	0.00	±0.3
142400	4.32	4.30	4.30	4.32	4.30	4.30	0.00	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.29	4.28	0.00	0.02	0.00	±0.3
180400	4.29	4.27	4.27	4.28	4.27	4.27	-0.02	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.26	4.23	4.23	0.00	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.21	4.20	4.19	0.00	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.15	4.15	0.00	-0.02	0.00	±0.3
400000	4.15	4.14	4.13	4.15	4.13	4.13	0.00	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.05	0.00	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.01	4.01	4.01	-0.02	0.00	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.00	4.00	0.02	0.00	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.94	3.93	3.93	0.02	0.00	0.02	±0.3
3070200	3.89	3.89	3.89	3.90	3.89	3.89	0.02	0.00	0.00	±0.3
3888000	3.83	3.83	3.83	3.83	3.83	3.83	0.00	0.00	0.00	±0.3
4000000	3.82	3.82	3.81	3.82	3.82	3.82	0.00	0.00	0.02	±0.3
4923800	3.75	3.75	3.74	3.76	3.75	3.75	0.02	0.00	0.02	±0.3
6235400	3.64	3.63	3.63	3.64	3.64	3.63	0.00	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.49	3.49	0.00	0.00	0.00	±0.3
10000000	3.34	3.34	3.34	3.35	3.34	3.34	0.03	0.00	0.00	±0.3

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

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

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.55	1.57	1.56	-0.06	0.06	0.00	±0.3
3200	1.56	1.56	1.56	1.55	1.57	1.56	-0.06	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.56	0.00	0.00	0.06	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.54	0.00	0.06	0.00	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.54	-0.06	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.52	1.52	0.00	-0.06	-0.06	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.53	0.00	0.00	0.06	±0.3
10600	4.37	4.26	4.25	4.35	4.27	4.24	-0.04	0.02	-0.02	±0.3
13400	4.38	4.29	4.29	4.35	4.29	4.29	-0.06	0.00	0.00	±0.3
17000	4.38	4.32	4.32	4.37	4.33	4.33	-0.02	0.02	0.02	±0.3
21400	4.41	4.33	4.33	4.39	4.32	4.34	-0.04	-0.02	0.02	±0.3
27200	4.40	4.35	4.34	4.40	4.36	4.35	0.00	0.02	0.02	±0.3
34400	4.41	4.37	4.37	4.39	4.36	4.36	-0.04	-0.02	-0.02	±0.3
40000	4.40	4.36	4.36	4.39	4.36	4.36	-0.02	0.00	0.00	±0.3
43600	4.39	4.36	4.36	4.38	4.36	4.35	-0.02	0.00	-0.02	±0.3
55400	4.38	4.35	4.35	4.38	4.35	4.35	0.00	0.00	0.00	±0.3
70000	4.37	4.34	4.34	4.36	4.35	4.34	-0.02	0.02	0.00	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.33	4.32	4.31	-0.02	0.00	0.00	±0.3
142400	4.32	4.30	4.30	4.32	4.30	4.30	0.00	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.29	4.28	0.00	0.02	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.25	4.23	4.23	-0.02	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.21	4.20	4.19	0.00	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.15	4.15	0.00	-0.02	0.00	±0.3
400000	4.15	4.14	4.13	4.14	4.13	4.13	-0.02	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.05	0.00	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.02	4.02	4.01	0.00	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.00	4.00	0.02	0.00	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.93	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.90	3.88	3.89	0.02	-0.02	0.00	±0.3
3888000	3.83	3.83	3.83	3.83	3.83	3.83	0.00	0.00	0.00	±0.3
4000000	3.82	3.82	3.81	3.83	3.82	3.81	0.02	0.00	0.00	±0.3
4923800	3.75	3.75	3.74	3.76	3.75	3.75	0.02	0.00	0.02	±0.3
6235400	3.64	3.63	3.63	3.64	3.63	3.63	0.00	0.00	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.49	3.49	0.00	0.00	0.00	±0.3
10000000	3.34	3.34	3.34	3.35	3.34	3.34	0.03	0.00	0.00	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
3200	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.54	1.55	1.56	-0.06	0.00	0.06	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.06	0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.52	1.54	-0.06	-0.11	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.53	1.52	0.00	0.00	-0.06	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.00	0.00	±0.3
10600	4.37	4.26	4.25	4.35	4.26	4.28	-0.04	0.00	0.06	±0.3
13400	4.38	4.29	4.29	4.36	4.30	4.28	-0.04	0.02	-0.02	±0.3
17000	4.38	4.32	4.32	4.37	4.32	4.32	-0.02	0.00	0.00	±0.3
21400	4.41	4.33	4.33	4.41	4.33	4.33	0.00	0.00	0.00	±0.3
27200	4.40	4.35	4.34	4.39	4.35	4.34	-0.02	0.00	0.00	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.36	-0.02	0.00	-0.02	±0.3
40000	4.40	4.36	4.36	4.40	4.36	4.36	0.00	0.00	0.00	±0.3
43600	4.39	4.36	4.36	4.39	4.36	4.35	0.00	0.00	-0.02	±0.3
55400	4.38	4.35	4.35	4.38	4.35	4.35	0.00	0.00	0.00	±0.3
70000	4.37	4.34	4.34	4.37	4.35	4.34	0.00	0.02	0.00	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.34	4.32	4.31	0.00	0.00	0.00	±0.3
142400	4.32	4.30	4.30	4.32	4.30	4.30	0.00	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.31	4.28	4.28	0.02	0.00	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.26	4.23	4.23	0.00	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.22	4.20	4.19	0.02	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.15	4.13	4.13	0.00	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.12	4.11	0.00	0.00	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.05	0.00	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.03	4.02	4.01	0.02	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.01	4.00	0.02	0.02	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.98	3.97	0.00	0.02	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.93	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.90	3.90	3.89	0.02	0.02	0.00	±0.3
3888000	3.83	3.83	3.83	3.84	3.83	3.82	0.02	0.00	-0.02	±0.3
4000000	3.82	3.82	3.81	3.83	3.81	3.82	0.02	-0.02	0.02	±0.3
4923800	3.75	3.75	3.74	3.76	3.74	3.75	0.02	-0.02	0.02	±0.3
6235400	3.64	3.63	3.63	3.64	3.64	3.63	0.00	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.50	3.49	0.00	0.02	0.00	±0.3
10000000	3.34	3.34	3.34	3.35	3.35	3.35	0.03	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

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

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.57	1.56	1.53	0.06	0.00	-0.17	±0.3
3200	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.56	0.00	0.00	0.06	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.53	0.00	0.06	-0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.54	-0.06	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.53	1.51	0.00	0.00	-0.11	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.53	0.00	0.00	0.06	±0.3
10600	4.37	4.26	4.25	4.36	4.29	4.25	-0.02	0.06	0.00	±0.3
13400	4.38	4.29	4.29	4.35	4.29	4.29	-0.06	0.00	0.00	±0.3
17000	4.38	4.32	4.32	4.37	4.33	4.32	-0.02	0.02	0.00	±0.3
21400	4.41	4.33	4.33	4.40	4.34	4.34	-0.02	0.02	0.02	±0.3
27200	4.40	4.35	4.34	4.39	4.36	4.34	-0.02	0.02	0.00	±0.3
34400	4.41	4.37	4.37	4.41	4.36	4.36	0.00	-0.02	-0.02	±0.3
40000	4.40	4.36	4.36	4.40	4.37	4.36	0.00	0.02	0.00	±0.3
43600	4.39	4.36	4.36	4.39	4.36	4.35	0.00	0.00	-0.02	±0.3
55400	4.38	4.35	4.35	4.37	4.36	4.34	-0.02	0.02	-0.02	±0.3
70000	4.37	4.34	4.34	4.36	4.34	4.34	-0.02	0.00	0.00	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.34	4.32	4.31	0.00	0.00	0.00	±0.3
142400	4.32	4.30	4.30	4.32	4.30	4.30	0.00	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.29	4.28	0.00	0.02	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.26	4.24	4.23	0.00	0.02	0.00	±0.3
289400	4.21	4.20	4.19	4.22	4.20	4.19	0.02	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.16	4.13	4.13	0.02	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.06	0.00	0.00	0.02	±0.3
744200	4.02	4.01	4.01	4.02	4.02	4.01	0.00	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.01	4.00	0.02	0.02	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.93	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.90	3.89	3.89	0.02	0.00	0.00	±0.3
3888000	3.83	3.83	3.83	3.84	3.83	3.82	0.02	0.00	-0.02	±0.3
4000000	3.82	3.82	3.81	3.82	3.82	3.81	0.00	0.00	0.00	±0.3
4923800	3.75	3.75	3.74	3.75	3.75	3.74	0.00	0.00	0.00	±0.3
6235400	3.64	3.63	3.63	3.64	3.64	3.63	0.00	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.49	3.50	0.00	0.00	0.02	±0.3
10000000	3.34	3.34	3.34	3.35	3.34	3.34	0.03	0.00	0.00	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.57	1.56	1.56	0.06	0.00	0.00	±0.3
3200	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.55	0.00	0.00	0.00	±0.3
5200	1.55	1.54	1.54	1.55	1.56	1.55	0.00	0.11	0.06	±0.3
6600	1.54	1.54	1.54	1.52	1.53	1.54	-0.11	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.53	1.53	1.53	0.00	0.00	0.00	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.51	0.00	0.00	-0.06	±0.3
10600	4.37	4.26	4.25	4.33	4.26	4.24	-0.08	0.00	-0.02	±0.3
13400	4.38	4.29	4.29	4.37	4.29	4.28	-0.02	0.00	-0.02	±0.3
17000	4.38	4.32	4.32	4.38	4.33	4.31	0.00	0.02	-0.02	±0.3
21400	4.41	4.33	4.33	4.40	4.33	4.33	-0.02	0.00	0.00	±0.3
27200	4.40	4.35	4.34	4.39	4.33	4.34	-0.02	-0.04	0.00	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.36	-0.02	0.00	-0.02	±0.3
40000	4.40	4.36	4.36	4.40	4.36	4.34	0.00	0.00	-0.04	±0.3
43600	4.39	4.36	4.36	4.38	4.36	4.34	-0.02	0.00	-0.04	±0.3
55400	4.38	4.35	4.35	4.37	4.35	4.34	-0.02	0.00	-0.02	±0.3
70000	4.37	4.34	4.34	4.36	4.35	4.33	-0.02	0.02	-0.02	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.34	4.31	4.31	0.00	-0.02	0.00	±0.3
142400	4.32	4.30	4.30	4.33	4.30	4.29	0.02	0.00	-0.02	±0.3
161750	4.30	4.28	4.28	4.30	4.28	4.28	0.00	0.00	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.26	0.00	0.00	-0.02	±0.3
228400	4.26	4.23	4.23	4.26	4.23	4.23	0.00	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.21	4.20	4.19	0.00	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.15	4.13	4.13	0.00	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.08	4.06	4.05	0.02	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.02	4.02	4.01	0.00	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.00	4.00	0.02	0.00	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.93	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.90	3.89	3.89	0.02	0.00	0.00	±0.3
3888000	3.83	3.83	3.83	3.83	3.83	3.83	0.00	0.00	0.00	±0.3
4000000	3.82	3.82	3.81	3.83	3.82	3.81	0.02	0.00	0.00	±0.3
4923800	3.75	3.75	3.74	3.75	3.75	3.74	0.00	0.00	0.00	±0.3
6235400	3.64	3.63	3.63	3.65	3.64	3.63	0.02	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.50	3.49	0.00	0.02	0.00	±0.3
10000000	3.34	3.34	3.34	3.35	3.35	3.35	0.03	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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.56	1.57	1.53	0.00	0.06	-0.17	±0.3
3200	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.56	0.00	0.00	0.06	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.53	0.00	0.06	-0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.54	-0.06	-0.06	0.00	±0.3
8200	1.53	1.53	1.53	1.49	1.52	1.51	-0.23	-0.06	-0.11	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.00	0.00	±0.3
10600	4.37	4.26	4.25	4.35	4.24	4.24	-0.04	-0.04	-0.02	±0.3
13400	4.38	4.29	4.29	4.35	4.29	4.30	-0.06	0.00	0.02	±0.3
17000	4.38	4.32	4.32	4.37	4.33	4.33	-0.02	0.02	0.02	±0.3
21400	4.41	4.33	4.33	4.40	4.33	4.34	-0.02	0.00	0.02	±0.3
27200	4.40	4.35	4.34	4.39	4.34	4.35	-0.02	-0.02	0.02	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.36	-0.02	0.00	-0.02	±0.3
40000	4.40	4.36	4.36	4.39	4.36	4.36	-0.02	0.00	0.00	±0.3
43600	4.39	4.36	4.36	4.38	4.36	4.35	-0.02	0.00	-0.02	±0.3
55400	4.38	4.35	4.35	4.37	4.35	4.34	-0.02	0.00	-0.02	±0.3
70000	4.37	4.34	4.34	4.37	4.34	4.34	0.00	0.00	0.00	±0.3
88800	4.36	4.33	4.33	4.35	4.32	4.32	-0.02	-0.02	-0.02	±0.3
112400	4.34	4.32	4.31	4.33	4.31	4.31	-0.02	-0.02	0.00	±0.3
142400	4.32	4.30	4.30	4.33	4.30	4.30	0.02	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.28	4.28	0.00	0.00	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.26	4.23	4.23	0.00	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.22	4.20	4.19	0.02	0.00	0.00	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.14	4.14	4.13	-0.02	0.00	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.06	4.06	4.06	-0.02	0.00	0.02	±0.3
744200	4.02	4.01	4.01	4.02	4.02	4.01	0.00	0.02	0.00	±0.3
942600	4.00	4.00	4.00	4.00	4.00	4.00	0.00	0.00	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.97	3.96	3.96	0.00	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.93	3.93	3.93	0.00	0.00	0.02	±0.3
3070200	3.89	3.89	3.89	3.90	3.89	3.89	0.02	0.00	0.00	±0.3
3888000	3.83	3.83	3.83	3.83	3.83	3.83	0.00	0.00	0.00	±0.3
4000000	3.82	3.82	3.81	3.82	3.82	3.82	0.00	0.00	0.02	±0.3
4923800	3.75	3.75	3.74	3.75	3.75	3.74	0.00	0.00	0.00	±0.3
6235400	3.64	3.63	3.63	3.65	3.64	3.64	0.02	0.02	0.02	±0.3
7896400	3.50	3.49	3.49	3.50	3.50	3.50	0.00	0.02	0.02	±0.3
10000000	3.34	3.34	3.34	3.36	3.34	3.35	0.05	0.00	0.03	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	1.56	1.56	1.56	1.56	1.57	1.56	0.00	0.06	0.00	±0.3
3200	1.56	1.56	1.56	1.56	1.58	1.56	0.00	0.11	0.00	±0.3
4000	1.55	1.55	1.55	1.55	1.55	1.55	0.00	0.00	0.00	±0.3
5200	1.55	1.54	1.54	1.55	1.55	1.55	0.00	0.06	0.06	±0.3
6600	1.54	1.54	1.54	1.53	1.53	1.53	-0.06	-0.06	-0.06	±0.3
8200	1.53	1.53	1.53	1.52	1.53	1.52	-0.06	0.00	-0.06	±0.3
9000	1.52	1.52	1.52	1.52	1.52	1.52	0.00	0.00	0.00	±0.3
10600	4.37	4.26	4.25	4.34	4.25	4.23	-0.06	-0.02	-0.04	±0.3
13400	4.38	4.29	4.29	4.36	4.29	4.29	-0.04	0.00	0.00	±0.3
17000	4.38	4.32	4.32	4.37	4.32	4.33	-0.02	0.00	0.02	±0.3
21400	4.41	4.33	4.33	4.41	4.35	4.35	0.00	0.04	0.04	±0.3
27200	4.40	4.35	4.34	4.39	4.34	4.33	-0.02	-0.02	-0.02	±0.3
34400	4.41	4.37	4.37	4.40	4.37	4.36	-0.02	0.00	-0.02	±0.3
40000	4.40	4.36	4.36	4.39	4.36	4.35	-0.02	0.00	-0.02	±0.3
43600	4.39	4.36	4.36	4.39	4.36	4.36	0.00	0.00	0.00	±0.3
55400	4.38	4.35	4.35	4.38	4.35	4.35	0.00	0.00	0.00	±0.3
70000	4.37	4.34	4.34	4.37	4.34	4.33	0.00	0.00	-0.02	±0.3
88800	4.36	4.33	4.33	4.35	4.33	4.33	-0.02	0.00	0.00	±0.3
112400	4.34	4.32	4.31	4.34	4.31	4.31	0.00	-0.02	0.00	±0.3
142400	4.32	4.30	4.30	4.32	4.30	4.30	0.00	0.00	0.00	±0.3
161750	4.30	4.28	4.28	4.30	4.28	4.28	0.00	0.00	0.00	±0.3
180400	4.29	4.27	4.27	4.29	4.27	4.27	0.00	0.00	0.00	±0.3
228400	4.26	4.23	4.23	4.25	4.23	4.23	-0.02	0.00	0.00	±0.3
289400	4.21	4.20	4.19	4.22	4.20	4.20	0.02	0.00	0.02	±0.3
366400	4.17	4.16	4.15	4.17	4.16	4.15	0.00	0.00	0.00	±0.3
400000	4.15	4.14	4.13	4.15	4.13	4.13	0.00	-0.02	0.00	±0.3
464000	4.13	4.12	4.11	4.13	4.11	4.11	0.00	-0.02	0.00	±0.3
587800	4.07	4.06	4.05	4.07	4.06	4.05	0.00	0.00	0.00	±0.3
744200	4.02	4.01	4.01	4.03	4.01	4.01	0.02	0.00	0.00	±0.3
942600	4.00	4.00	4.00	4.01	4.01	4.00	0.02	0.02	0.00	±0.3
1193600	3.98	3.97	3.97	3.98	3.97	3.97	0.00	0.00	0.00	±0.3
1511600	3.97	3.96	3.96	3.98	3.96	3.96	0.02	0.00	0.00	±0.3
1914400	3.95	3.95	3.95	3.96	3.95	3.95	0.02	0.00	0.00	±0.3
2424400	3.93	3.93	3.92	3.94	3.93	3.92	0.02	0.00	0.00	±0.3
3070200	3.89	3.89	3.89	3.90	3.89	3.89	0.02	0.00	0.00	±0.3
3888000	3.83	3.83	3.83	3.84	3.83	3.82	0.02	0.00	-0.02	±0.3
4000000	3.82	3.82	3.81	3.82	3.81	3.81	0.00	-0.02	0.00	±0.3
4923800	3.75	3.75	3.74	3.76	3.75	3.74	0.02	0.00	0.00	±0.3
6235400	3.64	3.63	3.63	3.64	3.64	3.63	0.00	0.02	0.00	±0.3
7896400	3.50	3.49	3.49	3.50	3.49	3.49	0.00	0.00	0.00	±0.3
10000000	3.34	3.34	3.34	3.36	3.36	3.34	0.05	0.05	0.00	±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%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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	84.6	84.6	88.0	84.5	84.6	87.8	-0.01	0.00	-0.02	±0.3
3200	86.2	86.2	80.3	84.8	85.6	79.3	-0.14	-0.06	-0.11	±0.3
4000	83.9	83.9	88.0	83.8	83.9	88.0	-0.01	0.00	0.00	±0.3
5200	81.8	81.8	85.0	81.5	81.3	85.0	-0.03	-0.05	0.00	±0.3
6600	81.9	81.9	82.1	82.1	82.0	81.9	0.02	0.01	-0.02	±0.3
8200	78.0	78.0	82.1	78.0	77.8	81.8	0.00	-0.02	-0.03	±0.3
9000	83.4	83.4	83.5	83.5	83.4	83.5	0.01	0.00	0.00	±0.3
10600	82.6	82.6	81.7	82.9	82.6	81.7	0.03	0.00	0.00	±0.3
13400	85.7	85.7	79.6	85.8	85.7	79.7	0.01	0.00	0.01	±0.3
17000	84.9	84.9	78.2	85.0	84.8	78.2	0.01	-0.01	0.00	±0.3
21400	83.1	83.1	82.6	83.3	83.0	82.6	0.02	-0.01	0.00	±0.3
27200	83.9	83.9	80.4	84.1	84.0	80.4	0.02	0.01	0.00	±0.3
34400	82.5	82.5	79.4	82.6	82.5	79.4	0.01	0.00	0.00	±0.3
40000	83.2	83.2	82.1	83.3	83.2	82.2	0.01	0.00	0.01	±0.3
43600	82.5	82.5	81.3	82.6	82.5	81.3	0.01	0.00	0.00	±0.3
55400	82.3	82.3	81.3	82.4	82.3	81.4	0.01	0.00	0.01	±0.3
70000	83.1	83.1	81.4	83.3	83.1	81.4	0.02	0.00	0.00	±0.3
88800	82.2	82.2	82.1	82.3	82.2	82.2	0.01	0.00	0.01	±0.3
112400	82.6	82.6	81.7	82.7	82.6	81.7	0.01	0.00	0.00	±0.3
142400	82.6	82.6	82.1	82.8	82.6	82.1	0.02	0.00	0.00	±0.3
161750	82.7	82.7	82.1	82.8	82.7	82.1	0.01	0.00	0.00	±0.3
180400	83.0	83.0	82.1	83.1	83.0	82.1	0.01	0.00	0.00	±0.3
228400	83.1	83.1	82.2	83.2	83.1	82.2	0.01	0.00	0.00	±0.3
289400	83.3	83.3	82.6	83.5	83.3	82.6	0.02	0.00	0.00	±0.3
366400	83.5	83.5	82.7	83.6	83.5	82.7	0.01	0.00	0.00	±0.3
400000	83.8	83.8	82.7	83.9	83.8	82.7	0.01	0.00	0.00	±0.3
464000	84.0	84.0	83.0	84.1	84.0	83.0	0.01	0.00	0.00	±0.3
587800	84.0	84.0	83.0	84.1	84.0	83.1	0.01	0.00	0.01	±0.3
744200	84.1	84.1	83.0	84.2	84.1	83.0	0.01	0.00	0.00	±0.3
942600	84.1	84.1	83.1	84.2	84.1	83.2	0.01	0.00	0.01	±0.3
1193600	83.8	83.8	82.7	83.9	83.8	82.7	0.01	0.00	0.00	±0.3
1511600	83.3	83.3	82.3	83.4	83.3	82.3	0.01	0.00	0.00	±0.3
1914400	82.9	82.9	82.0	83.0	82.9	82.1	0.01	0.00	0.01	±0.3
2424400	82.6	82.6	81.8	82.6	82.6	81.8	0.00	0.00	0.00	±0.3
3070200	82.5	82.5	81.5	82.5	82.5	81.6	0.00	0.00	0.01	±0.3
3888000	82.6	82.6	81.8	82.6	82.7	81.8	0.00	0.01	0.00	±0.3
4000000	82.4	82.4	81.7	82.4	82.5	81.7	0.00	0.01	0.00	±0.3
4923800	83.0	83.0	82.5	83.0	83.0	82.5	0.00	0.00	0.00	±0.3
6235400	85.7	85.7	85.0	85.6	85.7	85.0	-0.01	0.00	0.00	±0.3
7896400	88.5	88.5	88.0	88.5	88.5	87.9	0.00	0.00	-0.01	±0.3
10000000	96.8	96.8	96.2	96.7	96.8	96.3	-0.01	0.00	0.01	±0.3

SPEAG E-field frequency response tolerance criteria¹:

±0.3dB for applied E-fields at calibration points from 3kHz to 10MHz

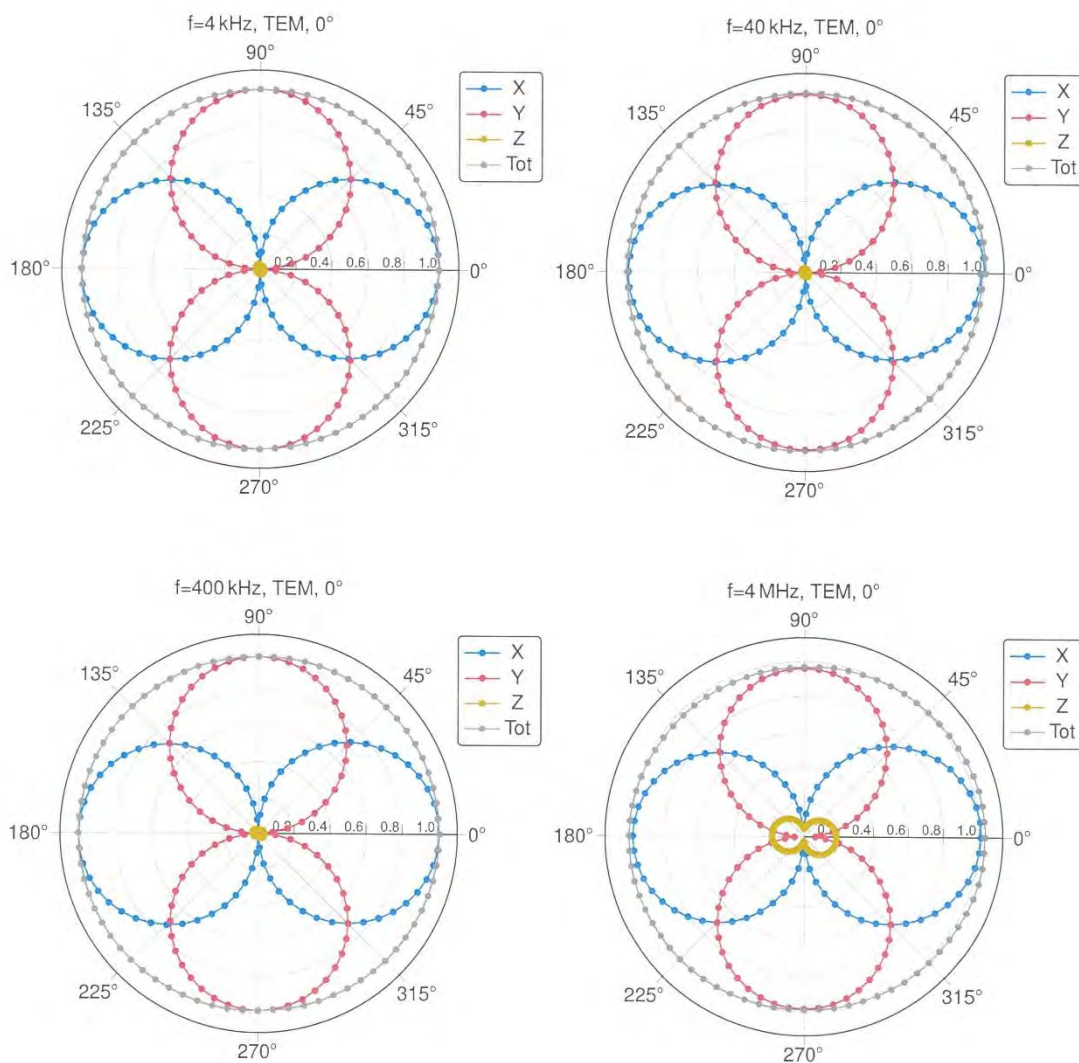
¹ Calibration uncertainty not taken into account (shared risk 50%).

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

Isotropy H-Field

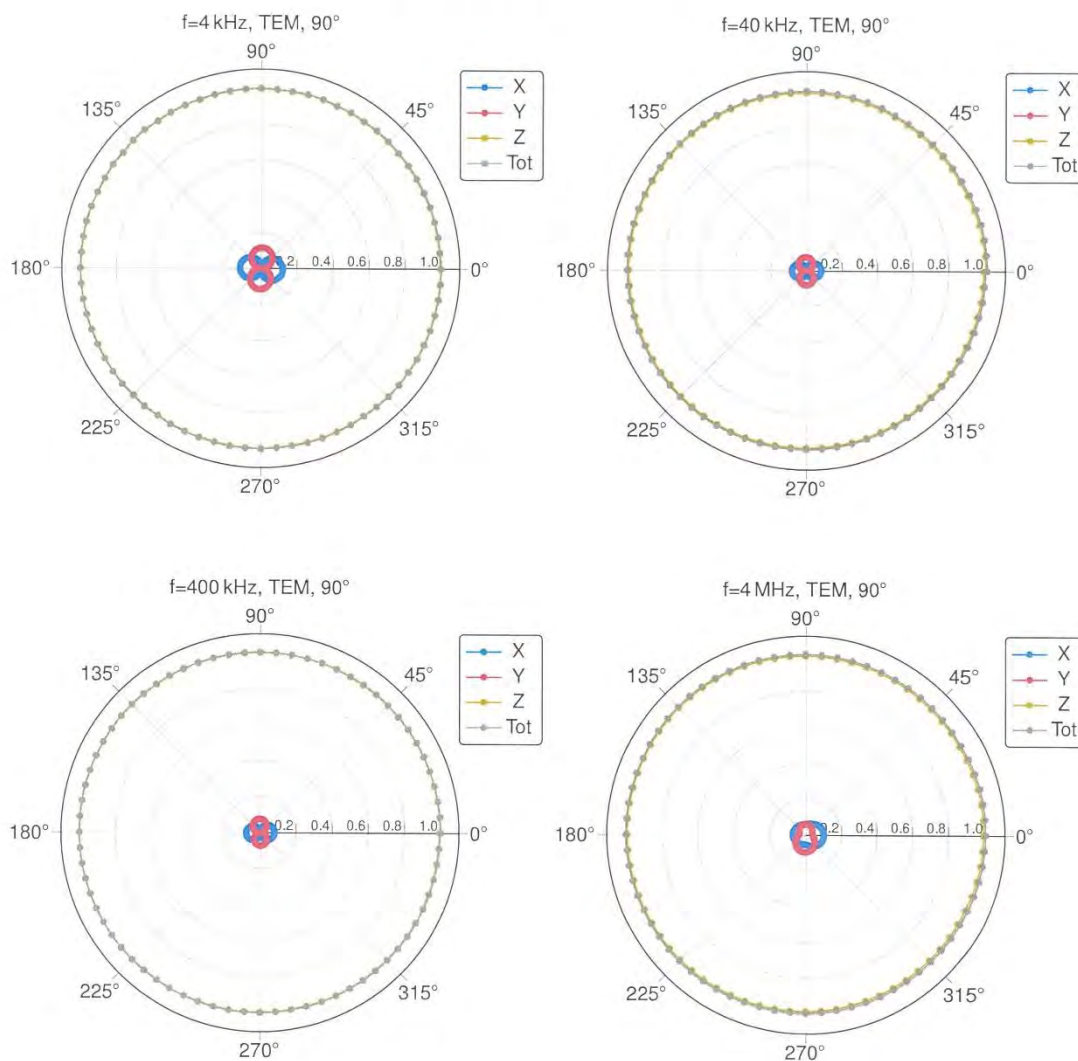
H-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

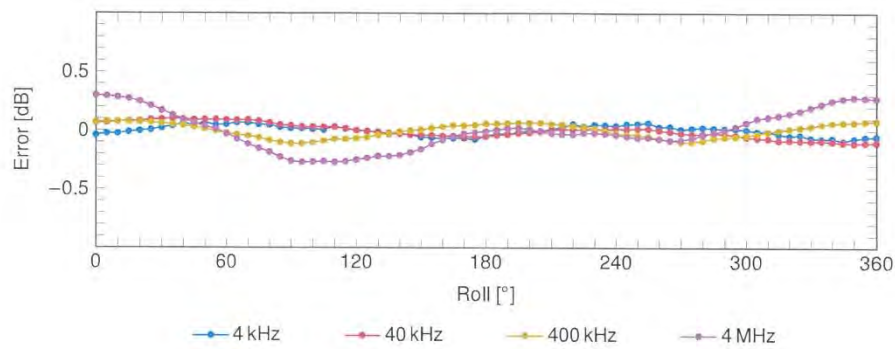
H-Field Receiving Pattern (ϕ), $\theta = 90^\circ$



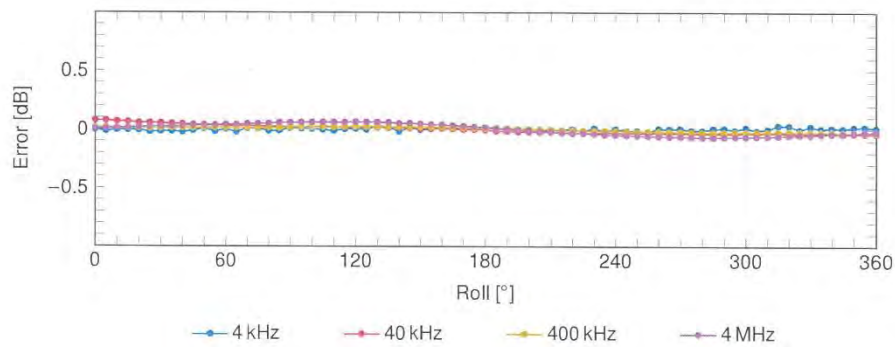
MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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



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



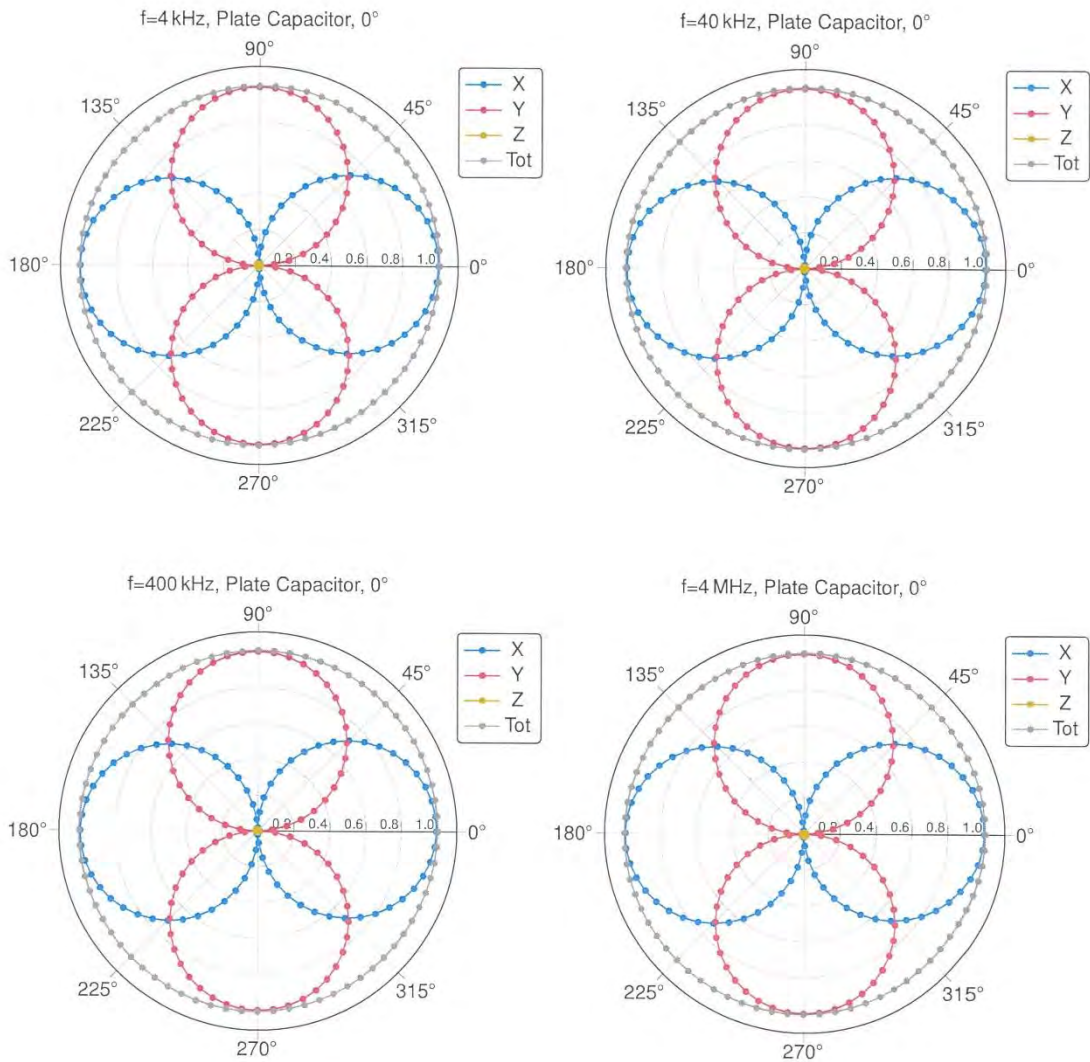
SPEAG axial deviation from the ideal response tolerance for H-field: ± 0.6 dB

MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

Isotropy E-Field

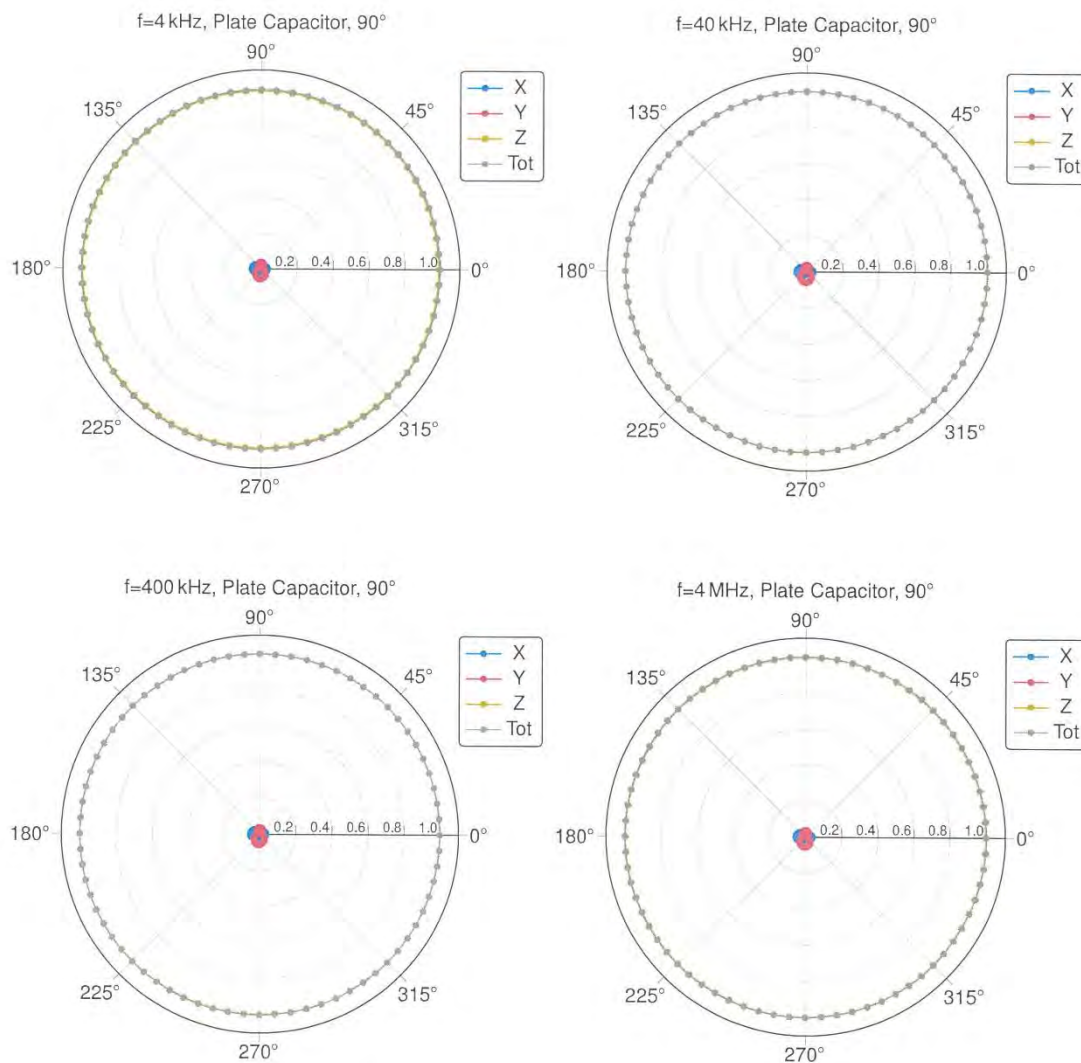
E-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

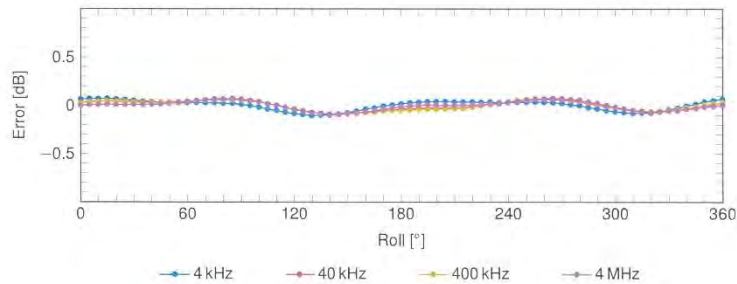
E-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



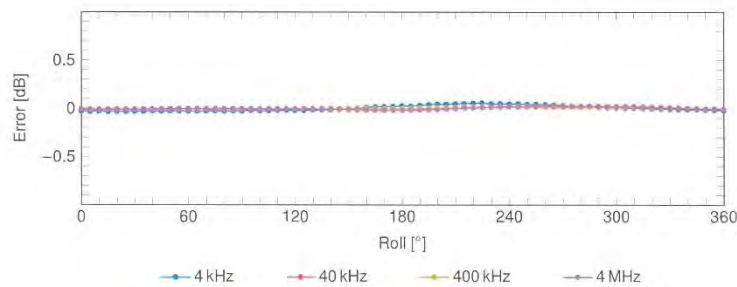
MAGPy-8H3D+E3DV2 SN:3062
MAGPy-DASV2 SN:3061

September 18, 2025

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

- End of report -

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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