

MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

December 08, 2023

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	
0.410	0.410	0.400	0.410	0.430	0.420	0.00	0.41	0.42	±1.00
0.550	0.550	0.550	0.560	0.580	0.570	0.16	0.46	0.31	±1.00
0.760	0.760	0.750	0.760	0.770	0.760	0.00	0.11	0.12	±1.00
0.990	0.990	0.980	1.00	0.990	0.990	0.09	0.00	0.09	±1.00
1.33	1.34	1.33	1.35	1.34	1.34	0.13	0.00	0.07	±1.00
1.83	1.84	1.82	1.84	1.85	1.84	0.05	0.05	0.09	±1.00
2.44	2.45	2.43	2.44	2.46	2.45	0.00	0.04	0.07	±0.20
3.26	3.27	3.25	3.27	3.28	3.26	0.03	0.03	0.03	±0.20
4.43	4.44	4.41	4.43	4.45	4.44	0.00	0.02	0.06	±0.20
5.99	6.01	5.97	5.99	6.02	6.00	0.00	0.01	0.04	±0.20
8.06	8.08	8.03	8.05	8.10	8.05	-0.01	0.02	0.02	±0.20
10.8	10.8	10.7	10.8	10.8	10.7	0.00	0.00	0.00	±0.20
14.5	14.6	14.5	14.5	14.6	14.5	0.00	0.00	0.00	±0.20
19.6	19.7	19.5	19.6	19.6	19.5	0.00	-0.04	0.00	±0.20
26.4	26.5	26.3	26.4	26.6	26.4	0.00	0.03	0.03	±0.20
35.3	35.4	35.1	35.4	35.5	35.3	0.02	0.02	0.05	±0.20
47.6	47.8	47.5	47.8	48.0	47.6	0.04	0.04	0.02	±0.20
64.4	64.7	64.2	64.7	65.0	64.5	0.04	0.04	0.04	±0.20
88.4	88.8	88.2	88.2	88.6	87.9	-0.02	-0.02	-0.03	±0.20
116	116	115	115	116	115	-0.08	0.00	0.00	±0.20
159	160	159	159	159	158	0.00	-0.05	-0.05	±0.20
220	221	220	220	221	219	0.00	0.00	-0.04	±0.20
304	306	304	299	300	299	-0.14	-0.17	-0.14	±0.20
448	450	447	443	445	442	-0.10	-0.10	-0.10	±0.20
616	619	615	613	616	612	-0.04	-0.04	-0.04	±0.20
916	920	914	921	927	921	0.05	0.07	0.07	±0.20
1380	1390	1380	1410	1420	1410	0.19	0.19	0.19	±0.30
1890	1910	1890	1950	1970	1950	0.27	0.27	0.27	±0.30
3040	3060	3040	3180	3200	3180	0.39	0.39	0.39	±0.50
3660	3680	3660	3840	3860	3850	0.42	0.41	0.44	±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%).

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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	
0.410	0.400	0.390	0.430	0.410	0.370	0.41	0.21	-0.46	±1.00
0.550	0.550	0.530	0.580	0.560	0.520	0.46	0.16	-0.17	±1.00
0.760	0.750	0.730	0.780	0.760	0.720	0.23	0.12	-0.12	±1.00
0.990	0.980	0.950	0.990	1.00	0.950	0.00	0.18	0.00	±1.00
1.33	1.33	1.28	1.32	1.33	1.29	-0.07	0.00	0.07	±1.00
1.83	1.83	1.76	1.83	1.83	1.77	0.00	0.00	0.05	±1.00
2.44	2.43	2.35	2.44	2.45	2.35	0.00	0.07	0.00	±0.20
3.26	3.25	3.14	3.26	3.26	3.14	0.00	0.03	0.00	±0.20
4.43	4.42	4.27	4.42	4.42	4.29	-0.02	0.00	0.04	±0.20
5.99	5.98	5.77	5.98	5.99	5.79	-0.01	0.01	0.03	±0.20
8.06	8.04	7.76	8.05	8.08	7.77	-0.01	0.04	0.01	±0.20
10.8	10.7	10.3	10.7	10.8	10.4	-0.08	0.08	0.08	±0.20
14.5	14.5	14.0	14.5	14.5	14.0	0.00	0.00	0.00	±0.20
19.6	19.6	18.9	19.6	19.5	18.8	0.00	-0.04	-0.05	±0.20
26.5	26.4	25.5	26.5	26.4	25.4	0.00	0.00	-0.03	±0.20
35.3	35.2	34.0	35.4	35.3	34.2	0.02	0.02	0.05	±0.20
47.7	47.6	45.9	47.8	47.7	46.1	0.02	0.02	0.04	±0.20
64.4	64.3	62.1	64.7	64.7	62.4	0.04	0.05	0.04	±0.20
88.5	88.4	85.2	88.2	88.1	84.9	-0.03	-0.03	-0.03	±0.20
116	116	112	115	115	111	-0.08	-0.08	-0.08	±0.20
159	159	153	159	158	153	0.00	-0.05	0.00	±0.20
220	220	212	220	220	212	0.00	0.00	0.00	±0.20
304	304	293	299	299	289	-0.14	-0.14	-0.12	±0.20
448	448	432	443	442	427	-0.10	-0.12	-0.10	±0.20
616	616	595	614	613	591	-0.03	-0.04	-0.06	±0.20
916	915	884	922	923	889	0.06	0.08	0.05	±0.20
1380	1380	1330	1410	1410	1360	0.19	0.19	0.19	±0.30
1900	1900	1830	1960	1960	1890	0.27	0.27	0.28	±0.30
3040	3050	2940	3180	3190	3070	0.39	0.39	0.38	±0.50
3660	3660	3540	3850	3850	3720	0.44	0.44	0.43	±0.50

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0 A/m
- ±0.2dB for applied H-fields ≥ 2.0 A/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%).

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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	0.360	0.220	0.090	-0.24	0.00	1.02	±5.00	±5.00	±5.00
0.500	0.300	0.110	0.510	0.290	0.080	0.17	-0.29	-2.77	±5.00	±5.00	±5.00
0.690	0.410	0.150	0.700	0.410	0.170	0.12	0.00	1.09	±5.00	±5.00	±5.00
0.890	0.530	0.190	0.900	0.530	0.190	0.10	0.00	0.00	±5.00	±5.00	±5.00
1.21	0.720	0.260	1.22	0.720	0.260	0.07	0.00	0.00	±5.00	±5.00	±5.00
1.66	0.990	0.350	1.68	0.990	0.350	0.10	0.00	0.00	±5.00	±5.00	±5.00
2.21	1.32	0.470	2.23	1.31	0.450	0.08	-0.07	-0.38	±1.00	±5.00	±5.00
2.96	1.76	0.630	2.95	1.74	0.610	-0.03	-0.10	-0.28	±1.00	±5.00	±5.00
4.01	2.39	0.860	4.03	2.38	0.850	0.04	-0.04	-0.10	±1.00	±1.00	±5.00
5.43	3.23	1.16	5.45	3.22	1.12	0.03	-0.03	-0.30	±1.00	±1.00	±5.00
7.31	4.35	1.56	7.35	4.31	1.49	0.05	-0.08	-0.40	±1.00	±1.00	±5.00
9.75	5.81	2.08	9.78	5.74	2.03	0.03	-0.11	-0.21	±1.00	±1.00	±1.00
13.2	7.85	2.81	13.2	7.77	2.71	0.00	-0.09	-0.31	±1.00	±1.00	±1.00
17.8	10.6	3.80	17.8	10.5	3.65	0.00	-0.08	-0.35	±1.00	±1.00	±1.00
24.0	14.3	5.12	24.1	14.2	4.98	0.04	-0.06	-0.24	±1.00	±1.00	±1.00
32.0	19.1	6.84	32.2	19.0	6.63	0.05	-0.05	-0.27	±1.00	±1.00	±1.00
43.2	25.8	9.23	43.5	25.6	8.94	0.06	-0.07	-0.28	±1.00	±1.00	±1.00
58.5	34.8	12.5	58.9	34.7	12.2	0.06	-0.02	-0.21	±1.00	±1.00	±1.00
80.3	47.8	17.1	80.3	47.3	16.6	0.00	-0.09	-0.26	±1.00	±1.00	±1.00
105	62.5	22.4	105	61.8	21.7	0.00	-0.10	-0.28	±1.00	±1.00	±1.00
144	85.9	30.8	144	84.9	29.8	0.00	-0.10	-0.29	±1.00	±1.00	±1.00
200	119	42.6	200	118	41.3	0.00	-0.07	-0.27	±1.00	±1.00	±1.00
276	164	58.9	280	164	57.5	0.12	0.00	-0.21	±1.00	±1.00	±1.00
407	242	86.8	391	229	85.2	-0.35	-0.48	-0.16	±1.00	±1.00	±1.00
560	333	119	543	317	118	-0.27	-0.43	-0.07	±1.00	±1.00	±1.00
832	495	177	817	478	177	-0.16	-0.30	0.00	±1.00	±1.00	±1.00
1250	747	267	1250	730	271	0.00	-0.20	0.13	±1.00	±1.00	±1.00
1720	1030	367	1730	1010	377	0.05	-0.17	0.23	±1.00	±1.00	±1.00
2770	1650	590	2830	1650	614	0.19	0.00	0.35	±1.00	±1.00	±1.00
3320	1980	708	3420	2000	743	0.26	0.09	0.42	±1.00	±1.00	±1.00

SPEAG E-field linearity tolerance criteria¹:

±5.0dB for applied E-field < 2 V/m

±1.0dB for applied E-field ≥ 2 V/m

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

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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	1.50	1.49	1.49	1.50	1.50	1.50	0.00	0.06	0.06	±0.3
3200	1.49	1.49	1.49	1.49	1.49	1.47	0.00	0.00	-0.12	±0.3
4000	1.48	1.48	1.48	1.48	1.49	1.48	0.00	0.06	0.00	±0.3
5200	1.47	1.47	1.47	1.47	1.46	1.46	0.00	-0.06	-0.06	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.47	0.00	0.06	0.06	±0.3
8200	1.45	1.45	1.45	1.46	1.46	1.46	0.06	0.06	0.06	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	±0.3
10600	4.36	4.30	4.29	4.34	4.33	4.30	-0.04	0.06	0.02	±0.3
13400	4.38	4.32	4.30	4.37	4.34	4.31	-0.02	0.04	0.02	±0.3
17000	4.38	4.32	4.30	4.38	4.31	4.31	0.00	-0.02	0.02	±0.3
21400	4.40	4.34	4.33	4.39	4.34	4.35	-0.02	0.00	0.04	±0.3
27200	4.40	4.34	4.32	4.41	4.34	4.33	0.02	0.00	0.02	±0.3
34400	4.40	4.35	4.34	4.40	4.35	4.34	0.00	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.38	4.34	4.34	-0.02	0.00	0.02	±0.3
43600	4.38	4.34	4.32	4.36	4.33	4.33	-0.04	-0.02	0.02	±0.3
55400	4.37	4.33	4.31	4.37	4.33	4.32	0.00	0.00	0.02	±0.3
70000	4.36	4.32	4.30	4.35	4.31	4.32	-0.02	-0.02	0.04	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.29	0.00	0.00	0.00	±0.3
112400	4.33	4.29	4.28	4.32	4.29	4.28	-0.02	0.00	0.00	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.25	0.00	0.00	0.02	±0.3
180400	4.28	4.24	4.23	4.27	4.24	4.24	-0.02	0.00	0.02	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.20	0.00	0.00	0.02	±0.3
289400	4.20	4.17	4.15	4.19	4.16	4.16	-0.02	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.16	4.13	4.12	0.00	0.00	0.00	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.11	0.00	0.00	0.02	±0.3
464000	4.11	4.08	4.07	4.12	4.08	4.07	0.02	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.06	4.03	4.03	0.00	0.00	0.02	±0.3
744200	4.01	3.98	3.97	4.01	3.98	3.97	0.00	0.00	0.00	±0.3
942600	3.99	3.97	3.96	4.00	3.98	3.96	0.02	0.02	0.00	±0.3
1193600	3.96	3.94	3.93	3.96	3.93	3.93	0.00	-0.02	0.00	±0.3
1511600	3.95	3.93	3.92	3.96	3.96	3.93	0.02	0.07	0.02	±0.3
1914400	3.94	3.92	3.90	3.94	3.96	3.91	0.00	0.09	0.02	±0.3
2424400	3.92	3.90	3.89	3.92	3.88	3.89	0.00	-0.04	0.00	±0.3
3070200	3.90	3.88	3.87	3.90	3.96	3.87	0.00	0.18	0.00	±0.3
3888000	3.85	3.83	3.82	3.86	3.82	3.82	0.02	-0.02	0.00	±0.3
4000000	3.84	3.82	3.81	3.83	3.90	3.82	-0.02	0.18	0.02	±0.3
4923800	3.77	3.75	3.74	3.76	3.64	3.75	-0.02	-0.26	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.60	3.62	0.00	-0.05	0.02	±0.3
7896400	3.52	3.49	3.49	3.52	3.49	3.49	0.00	0.00	0.00	±0.3
10000000	3.38	3.36	3.35	3.39	3.33	3.35	0.03	-0.08	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%).

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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	1.50	1.49	1.49	1.50	1.49	1.49	0.00	0.00	0.00	±0.3
3200	1.49	1.49	1.49	1.49	1.49	1.48	0.00	0.00	-0.06	±0.3
4000	1.48	1.48	1.48	1.48	1.48	1.48	0.00	0.00	0.00	±0.3
5200	1.47	1.47	1.47	1.47	1.46	1.46	0.00	-0.06	-0.06	±0.3
6600	1.46	1.46	1.46	1.45	1.47	1.47	-0.06	0.06	0.06	±0.3
8200	1.45	1.45	1.45	1.46	1.46	1.46	0.06	0.06	0.06	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	±0.3
10600	4.36	4.30	4.29	4.37	4.33	4.28	0.02	0.06	-0.02	±0.3
13400	4.38	4.32	4.30	4.40	4.31	4.30	0.04	-0.02	0.00	±0.3
17000	4.38	4.32	4.30	4.37	4.31	4.32	-0.02	-0.02	0.04	±0.3
21400	4.40	4.34	4.33	4.40	4.33	4.35	0.00	-0.02	0.04	±0.3
27200	4.40	4.34	4.32	4.42	4.34	4.33	0.04	0.00	0.02	±0.3
34400	4.40	4.35	4.34	4.40	4.35	4.34	0.00	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.39	4.34	4.33	0.00	0.00	0.00	±0.3
43600	4.38	4.34	4.32	4.39	4.34	4.33	0.02	0.00	0.02	±0.3
55400	4.37	4.33	4.31	4.37	4.32	4.32	0.00	-0.02	0.02	±0.3
70000	4.36	4.32	4.30	4.36	4.32	4.30	0.00	0.00	0.00	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.29	0.00	0.00	0.00	±0.3
112400	4.33	4.29	4.28	4.33	4.29	4.28	0.00	0.00	0.00	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.24	0.00	0.00	0.00	±0.3
180400	4.28	4.24	4.23	4.28	4.24	4.23	0.00	0.00	0.00	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.19	0.00	0.00	0.00	±0.3
289400	4.20	4.17	4.15	4.20	4.16	4.15	0.00	-0.02	0.00	±0.3
366400	4.16	4.13	4.12	4.16	4.13	4.12	0.00	0.00	0.00	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.10	0.00	0.00	0.00	±0.3
464000	4.11	4.08	4.07	4.11	4.07	4.07	0.00	-0.02	0.00	±0.3
587800	4.06	4.03	4.02	4.05	4.03	4.03	-0.02	0.00	0.02	±0.3
744200	4.01	3.98	3.97	4.00	3.98	3.98	-0.02	0.00	0.02	±0.3
942600	3.99	3.97	3.96	3.99	3.97	3.96	0.00	0.00	0.00	±0.3
1193600	3.96	3.94	3.93	3.97	3.94	3.93	0.02	0.00	0.00	±0.3
1511600	3.95	3.93	3.92	3.96	3.93	3.92	0.02	0.00	0.00	±0.3
1914400	3.94	3.92	3.90	3.93	3.91	3.90	-0.02	-0.02	0.00	±0.3
2424400	3.92	3.90	3.89	3.93	3.90	3.91	0.02	0.00	0.04	±0.3
3070200	3.90	3.88	3.87	3.90	3.88	3.87	0.00	0.00	0.00	±0.3
3888000	3.85	3.83	3.82	3.85	3.83	3.82	0.00	0.00	0.00	±0.3
4000000	3.84	3.82	3.81	3.85	3.82	3.80	0.02	0.00	-0.02	±0.3
4923800	3.77	3.75	3.74	3.78	3.75	3.75	0.02	0.00	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.62	3.61	0.00	0.00	0.00	±0.3
7896400	3.52	3.49	3.49	3.52	3.49	3.52	0.00	0.00	0.07	±0.3
10000000	3.38	3.36	3.35	3.38	3.29	3.40	0.00	-0.18	0.13	±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+E3D SN:3054
MAGPy-DAS SN:3054

December 08, 2023

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	1.50	1.49	1.49	1.49	1.50	1.50	-0.06	0.06	0.06	±0.3
3200	1.49	1.49	1.49	1.50	1.49	1.46	0.06	0.00	-0.18	±0.3
4000	1.48	1.48	1.48	1.49	1.49	1.48	0.06	0.06	0.00	±0.3
5200	1.47	1.47	1.47	1.47	1.47	1.46	0.00	0.00	-0.06	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.47	0.00	0.06	0.06	±0.3
8200	1.45	1.45	1.45	1.45	1.46	1.45	0.00	0.06	0.00	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.44	0.00	0.00	-0.06	±0.3
10600	4.36	4.30	4.29	4.30	4.33	4.30	-0.12	0.06	0.02	±0.3
13400	4.38	4.32	4.30	4.39	4.31	4.32	0.02	-0.02	0.04	±0.3
17000	4.38	4.32	4.30	4.38	4.31	4.31	0.00	-0.02	0.02	±0.3
21400	4.40	4.34	4.33	4.40	4.33	4.31	0.00	-0.02	-0.04	±0.3
27200	4.40	4.34	4.32	4.39	4.33	4.32	-0.02	-0.02	0.00	±0.3
34400	4.40	4.35	4.34	4.40	4.35	4.34	0.00	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.39	4.35	4.33	0.00	0.02	0.00	±0.3
43600	4.38	4.34	4.32	4.39	4.34	4.33	0.02	0.00	0.02	±0.3
55400	4.37	4.33	4.31	4.36	4.32	4.32	-0.02	-0.02	0.02	±0.3
70000	4.36	4.32	4.30	4.36	4.31	4.31	0.00	-0.02	0.02	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.29	0.00	0.00	0.00	±0.3
112400	4.33	4.29	4.28	4.33	4.29	4.28	0.00	0.00	0.00	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.24	0.00	0.00	0.00	±0.3
180400	4.28	4.24	4.23	4.28	4.24	4.23	0.00	0.00	0.00	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.19	0.00	0.00	0.00	±0.3
289400	4.20	4.17	4.15	4.20	4.16	4.16	0.00	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.15	4.13	4.12	-0.02	0.00	0.00	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.10	0.00	0.00	0.00	±0.3
464000	4.11	4.08	4.07	4.10	4.07	4.07	-0.02	-0.02	0.00	±0.3
587800	4.06	4.03	4.02	4.06	4.03	4.03	0.00	0.00	0.02	±0.3
744200	4.01	3.98	3.97	4.00	3.98	3.98	-0.02	0.00	0.02	±0.3
942600	3.99	3.97	3.96	3.99	3.97	3.96	0.00	0.00	0.00	±0.3
1193600	3.96	3.94	3.93	3.97	3.95	3.94	0.02	0.02	0.02	±0.3
1511600	3.95	3.93	3.92	3.96	3.93	3.92	0.02	0.00	0.00	±0.3
1914400	3.94	3.92	3.90	3.94	3.92	3.91	0.00	0.00	0.02	±0.3
2424400	3.92	3.90	3.89	3.92	3.90	3.89	0.00	0.00	0.00	±0.3
3070200	3.90	3.88	3.87	3.90	3.88	3.87	0.00	0.00	0.00	±0.3
3888000	3.85	3.83	3.82	3.85	3.84	3.82	0.00	0.02	0.00	±0.3
4000000	3.84	3.82	3.81	3.84	3.82	3.81	0.00	0.00	0.00	±0.3
4923800	3.77	3.75	3.74	3.77	3.75	3.75	0.00	0.00	0.02	±0.3
6235400	3.65	3.62	3.61	3.64	3.62	3.60	-0.02	0.00	-0.02	±0.3
7896400	3.52	3.49	3.49	3.51	3.49	3.46	-0.02	0.00	-0.07	±0.3
10000000	3.38	3.36	3.35	3.40	3.30	3.34	0.05	-0.16	-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+E3D SN:3054
MAGPy-DAS SN:3054

December 08, 2023

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	1.50	1.49	1.49	1.50	1.49	1.49	0.00	0.00	0.00	±0.3
3200	1.49	1.49	1.49	1.48	1.49	1.47	-0.06	0.00	-0.12	±0.3
4000	1.48	1.48	1.48	1.48	1.49	1.49	0.00	0.06	0.06	±0.3
5200	1.47	1.47	1.47	1.47	1.46	1.46	0.00	-0.06	-0.06	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.46	0.00	0.06	0.00	±0.3
8200	1.45	1.45	1.45	1.46	1.46	1.45	0.06	0.06	0.00	±0.3
9000	1.45	1.45	1.45	1.45	1.46	1.45	0.00	0.06	0.00	±0.3
10600	4.36	4.30	4.29	4.34	4.30	4.30	-0.04	0.00	0.02	±0.3
13400	4.38	4.32	4.30	4.38	4.31	4.29	0.00	-0.02	-0.02	±0.3
17000	4.38	4.32	4.30	4.38	4.31	4.30	0.00	-0.02	0.00	±0.3
21400	4.40	4.34	4.33	4.40	4.35	4.33	0.00	0.02	0.00	±0.3
27200	4.40	4.34	4.32	4.40	4.34	4.34	0.00	0.00	0.04	±0.3
34400	4.40	4.35	4.34	4.40	4.35	4.34	0.00	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.40	4.34	4.33	0.02	0.00	0.00	±0.3
43600	4.38	4.34	4.32	4.38	4.33	4.32	0.00	-0.02	0.00	±0.3
55400	4.37	4.33	4.31	4.37	4.33	4.32	0.00	0.00	0.02	±0.3
70000	4.36	4.32	4.30	4.35	4.32	4.31	-0.02	0.00	0.02	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.29	0.00	0.00	0.00	±0.3
112400	4.33	4.29	4.28	4.33	4.29	4.28	0.00	0.00	0.00	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.24	0.00	0.00	0.00	±0.3
180400	4.28	4.24	4.23	4.28	4.23	4.23	0.00	-0.02	0.00	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.20	0.00	0.00	0.02	±0.3
289400	4.20	4.17	4.15	4.20	4.16	4.16	0.00	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.16	4.12	4.12	0.00	-0.02	0.00	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.10	0.00	0.00	0.00	±0.3
464000	4.11	4.08	4.07	4.09	4.08	4.07	-0.04	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.06	4.03	4.02	0.00	0.00	0.00	±0.3
744200	4.01	3.98	3.97	4.00	3.98	3.97	-0.02	0.00	0.00	±0.3
942600	3.99	3.97	3.96	3.99	3.97	3.96	0.00	0.00	0.00	±0.3
1193600	3.96	3.94	3.93	3.97	3.94	3.94	0.02	0.00	0.02	±0.3
1511600	3.95	3.93	3.92	3.96	3.93	3.92	0.02	0.00	0.00	±0.3
1914400	3.94	3.92	3.90	3.94	3.92	3.91	0.00	0.00	0.02	±0.3
2424400	3.92	3.90	3.89	3.92	3.90	3.90	0.00	0.00	0.02	±0.3
3070200	3.90	3.88	3.87	3.90	3.88	3.87	0.00	0.00	0.00	±0.3
3888000	3.85	3.83	3.82	3.85	3.81	3.82	0.00	-0.05	0.00	±0.3
4000000	3.84	3.82	3.81	3.85	3.82	3.80	0.02	0.00	-0.02	±0.3
4923800	3.77	3.75	3.74	3.78	3.75	3.75	0.02	0.00	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.63	3.61	0.00	0.02	0.00	±0.3
7896400	3.52	3.49	3.49	3.52	3.50	3.49	0.00	0.02	0.00	±0.3
10000000	3.38	3.36	3.35	3.40	3.35	3.37	0.05	-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

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

MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

December 08, 2023

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	1.50	1.49	1.49	1.50	1.49	1.48	0.00	0.00	-0.06	±0.3
3200	1.49	1.49	1.49	1.48	1.50	1.49	-0.06	0.06	0.00	±0.3
4000	1.48	1.48	1.48	1.48	1.49	1.48	0.00	0.06	0.00	±0.3
5200	1.47	1.47	1.47	1.47	1.47	1.46	0.00	0.00	-0.06	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.48	0.00	0.06	0.12	±0.3
8200	1.45	1.45	1.45	1.46	1.46	1.46	0.06	0.06	0.06	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.44	0.00	0.00	-0.06	±0.3
10600	4.36	4.30	4.29	4.34	4.28	4.30	-0.04	-0.04	0.02	±0.3
13400	4.38	4.32	4.30	4.41	4.30	4.30	0.06	-0.04	0.00	±0.3
17000	4.38	4.32	4.30	4.39	4.32	4.32	0.02	0.00	0.04	±0.3
21400	4.40	4.34	4.33	4.41	4.36	4.33	0.02	0.04	0.00	±0.3
27200	4.40	4.34	4.32	4.39	4.34	4.33	-0.02	0.00	0.02	±0.3
34400	4.40	4.35	4.34	4.40	4.35	4.34	0.00	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.39	4.34	4.33	0.00	0.00	0.00	±0.3
43600	4.38	4.34	4.32	4.39	4.34	4.33	0.02	0.00	0.02	±0.3
55400	4.37	4.33	4.31	4.37	4.33	4.32	0.00	0.00	0.02	±0.3
70000	4.36	4.32	4.30	4.36	4.32	4.32	0.00	0.00	0.04	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.30	0.00	0.00	0.02	±0.3
112400	4.33	4.29	4.28	4.33	4.29	4.29	0.00	0.00	0.02	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.30	4.25	4.25	0.02	0.00	0.02	±0.3
180400	4.28	4.24	4.23	4.28	4.24	4.24	0.00	0.00	0.02	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.20	0.00	0.00	0.02	±0.3
289400	4.20	4.17	4.15	4.20	4.16	4.16	0.00	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.16	4.13	4.12	0.00	0.00	0.00	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.11	0.00	0.00	0.02	±0.3
464000	4.11	4.08	4.07	4.11	4.08	4.07	0.00	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.06	4.03	4.03	0.00	0.00	0.02	±0.3
744200	4.01	3.98	3.97	4.01	3.98	3.98	0.00	0.00	0.02	±0.3
942600	3.99	3.97	3.96	3.99	3.97	3.97	0.00	0.00	0.02	±0.3
1193600	3.96	3.94	3.93	3.96	3.94	3.94	0.00	0.00	0.02	±0.3
1511600	3.95	3.93	3.92	3.96	3.93	3.93	0.02	0.00	0.02	±0.3
1914400	3.94	3.92	3.90	3.94	3.92	3.91	0.00	0.00	0.02	±0.3
2424400	3.92	3.90	3.89	3.93	3.90	3.91	0.02	0.00	0.04	±0.3
3070200	3.90	3.88	3.87	3.90	3.88	3.88	0.00	0.00	0.02	±0.3
3888000	3.85	3.83	3.82	3.86	3.83	3.82	0.02	0.00	0.00	±0.3
4000000	3.84	3.82	3.81	3.85	3.83	3.80	0.02	0.02	-0.02	±0.3
4923800	3.77	3.75	3.74	3.77	3.75	3.75	0.00	0.00	0.02	±0.3
6235400	3.65	3.62	3.61	3.66	3.62	3.61	0.02	0.00	0.00	±0.3
7896400	3.52	3.49	3.49	3.53	3.50	3.51	0.02	0.02	0.05	±0.3
10000000	3.38	3.36	3.35	3.34	3.33	3.34	-0.10	-0.08	-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+E3D SN:3054
MAGPy-DAS SN:3054

December 08, 2023

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	1.50	1.49	1.49	1.50	1.49	1.49	0.00	0.00	0.00	±0.3
3200	1.49	1.49	1.49	1.49	1.49	1.46	0.00	0.00	-0.18	±0.3
4000	1.48	1.48	1.48	1.49	1.49	1.49	0.06	0.06	0.06	±0.3
5200	1.47	1.47	1.47	1.47	1.46	1.46	0.00	-0.06	-0.06	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.46	0.00	0.06	0.00	±0.3
8200	1.45	1.45	1.45	1.46	1.46	1.45	0.06	0.06	0.00	±0.3
9000	1.45	1.45	1.45	1.45	1.44	1.44	0.00	-0.06	-0.06	±0.3
10600	4.36	4.30	4.29	4.34	4.31	4.32	-0.04	0.02	0.06	±0.3
13400	4.38	4.32	4.30	4.40	4.33	4.31	0.04	0.02	0.02	±0.3
17000	4.38	4.32	4.30	4.39	4.33	4.32	0.02	0.02	0.04	±0.3
21400	4.40	4.34	4.33	4.41	4.35	4.33	0.02	0.02	0.00	±0.3
27200	4.40	4.34	4.32	4.41	4.33	4.33	0.02	-0.02	0.02	±0.3
34400	4.40	4.35	4.34	4.40	4.36	4.35	0.00	0.02	0.02	±0.3
40000	4.39	4.34	4.33	4.40	4.35	4.35	0.02	0.02	0.04	±0.3
43600	4.38	4.34	4.32	4.37	4.33	4.34	-0.02	-0.02	0.04	±0.3
55400	4.37	4.33	4.31	4.38	4.33	4.32	0.02	0.00	0.02	±0.3
70000	4.36	4.32	4.30	4.35	4.32	4.32	-0.02	0.00	0.04	±0.3
88800	4.34	4.30	4.29	4.34	4.30	4.30	0.00	0.00	0.02	±0.3
112400	4.33	4.29	4.28	4.32	4.29	4.29	-0.02	0.00	0.02	±0.3
142400	4.31	4.27	4.26	4.30	4.27	4.27	-0.02	0.00	0.02	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.25	0.00	0.00	0.02	±0.3
180400	4.28	4.24	4.23	4.27	4.24	4.24	-0.02	0.00	0.02	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.21	0.00	0.00	0.04	±0.3
289400	4.20	4.17	4.15	4.20	4.16	4.16	0.00	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.16	4.12	4.13	0.00	-0.02	0.02	±0.3
400000	4.14	4.11	4.10	4.14	4.11	4.10	0.00	0.00	0.00	±0.3
464000	4.11	4.08	4.07	4.11	4.08	4.07	0.00	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.06	4.03	4.03	0.00	0.00	0.02	±0.3
744200	4.01	3.98	3.97	4.00	3.98	3.98	-0.02	0.00	0.02	±0.3
942600	3.99	3.97	3.96	3.99	3.96	3.96	0.00	-0.02	0.00	±0.3
1193600	3.96	3.94	3.93	3.97	3.94	3.94	0.02	0.00	0.02	±0.3
1511600	3.95	3.93	3.92	3.96	3.93	3.93	0.02	0.00	0.02	±0.3
1914400	3.94	3.92	3.90	3.94	3.91	3.91	0.00	-0.02	0.02	±0.3
2424400	3.92	3.90	3.89	3.93	3.90	3.91	0.02	0.00	0.04	±0.3
3070200	3.90	3.88	3.87	3.91	3.88	3.87	0.02	0.00	0.00	±0.3
3888000	3.85	3.83	3.82	3.85	3.83	3.82	0.00	0.00	0.00	±0.3
4000000	3.84	3.82	3.81	3.85	3.82	3.81	0.02	0.00	0.00	±0.3
4923800	3.77	3.75	3.74	3.78	3.75	3.75	0.02	0.00	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.62	3.60	0.00	0.00	-0.02	±0.3
7896400	3.52	3.49	3.49	3.52	3.50	3.48	0.00	0.02	-0.02	±0.3
10000000	3.38	3.36	3.35	3.38	3.36	3.42	0.00	0.00	0.18	±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+E3D SN:3054
MAGPy-DAS SN:3054

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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	1.50	1.49	1.49	1.49	1.49	1.48	-0.06	0.00	-0.06	±0.3
3200	1.49	1.49	1.49	1.48	1.49	1.48	-0.06	0.00	-0.06	±0.3
4000	1.48	1.48	1.48	1.48	1.49	1.48	0.00	0.06	0.00	±0.3
5200	1.47	1.47	1.47	1.46	1.46	1.44	-0.06	-0.06	-0.18	±0.3
6600	1.46	1.46	1.46	1.46	1.47	1.47	0.00	0.06	0.06	±0.3
8200	1.45	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.45	0.00	0.00	0.00	±0.3
10600	4.36	4.30	4.29	4.36	4.30	4.29	0.00	0.00	0.00	±0.3
13400	4.38	4.32	4.30	4.38	4.32	4.30	0.00	0.00	0.00	±0.3
17000	4.38	4.32	4.30	4.39	4.32	4.29	0.02	0.00	-0.02	±0.3
21400	4.40	4.34	4.33	4.39	4.35	4.31	-0.02	0.02	-0.04	±0.3
27200	4.40	4.34	4.32	4.40	4.35	4.33	0.00	0.02	0.02	±0.3
34400	4.40	4.35	4.34	4.41	4.35	4.34	0.02	0.00	0.00	±0.3
40000	4.39	4.34	4.33	4.39	4.35	4.32	0.00	0.02	-0.02	±0.3
43600	4.38	4.34	4.32	4.37	4.34	4.33	-0.02	0.00	0.02	±0.3
55400	4.37	4.33	4.31	4.38	4.33	4.31	0.02	0.00	0.00	±0.3
70000	4.36	4.32	4.30	4.35	4.32	4.30	-0.02	0.00	0.00	±0.3
88800	4.34	4.30	4.29	4.33	4.30	4.29	-0.02	0.00	0.00	±0.3
112400	4.33	4.29	4.28	4.33	4.28	4.27	0.00	-0.02	-0.02	±0.3
142400	4.31	4.27	4.26	4.31	4.27	4.26	0.00	0.00	0.00	±0.3
161750	4.29	4.25	4.24	4.29	4.25	4.25	0.00	0.00	0.02	±0.3
180400	4.28	4.24	4.23	4.28	4.24	4.23	0.00	0.00	0.00	±0.3
228400	4.25	4.20	4.19	4.25	4.20	4.20	0.00	0.00	0.02	±0.3
289400	4.20	4.17	4.15	4.21	4.16	4.16	0.02	-0.02	0.02	±0.3
366400	4.16	4.13	4.12	4.16	4.12	4.12	0.00	-0.02	0.00	±0.3
400000	4.14	4.11	4.10	4.13	4.11	4.10	-0.02	0.00	0.00	±0.3
464000	4.11	4.08	4.07	4.11	4.08	4.07	0.00	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.05	4.03	4.02	-0.02	0.00	0.00	±0.3
744200	4.01	3.98	3.97	4.00	3.98	3.98	-0.02	0.00	0.02	±0.3
942600	3.99	3.97	3.96	3.99	3.97	3.96	0.00	0.00	0.00	±0.3
1193600	3.96	3.94	3.93	3.95	3.95	3.94	-0.02	0.02	0.02	±0.3
1511600	3.95	3.93	3.92	3.95	3.93	3.92	0.00	0.00	0.00	±0.3
1914400	3.94	3.92	3.90	3.94	3.92	3.91	0.00	0.00	0.02	±0.3
2424400	3.92	3.90	3.89	3.93	3.90	3.90	0.02	0.00	0.02	±0.3
3070200	3.90	3.88	3.87	3.91	3.87	3.87	0.02	-0.02	0.00	±0.3
3888000	3.85	3.83	3.82	3.84	3.83	3.82	-0.02	0.00	0.00	±0.3
4000000	3.84	3.82	3.81	3.86	3.81	3.81	0.05	-0.02	0.00	±0.3
4923800	3.77	3.75	3.74	3.78	3.77	3.75	0.02	0.05	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.63	3.61	0.00	0.02	0.00	±0.3
7896400	3.52	3.49	3.49	3.52	3.49	3.40	0.00	0.00	-0.23	±0.3
10000000	3.38	3.36	3.35	3.37	3.36	3.40	-0.03	0.00	0.13	±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+E3D SN:3054
MAGPy-DAS SN:3054

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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	1.50	1.49	1.49	1.49	1.50	1.49	-0.06	0.06	0.00	±0.3
3200	1.49	1.49	1.49	1.49	1.50	1.47	0.00	0.06	-0.12	±0.3
4000	1.48	1.48	1.48	1.48	1.49	1.49	0.00	0.06	0.06	±0.3
5200	1.47	1.47	1.47	1.47	1.47	1.47	0.00	0.00	0.00	±0.3
6600	1.46	1.46	1.46	1.45	1.48	1.46	-0.06	0.12	0.00	±0.3
8200	1.45	1.45	1.45	1.46	1.47	1.45	0.06	0.12	0.00	±0.3
9000	1.45	1.45	1.45	1.45	1.45	1.44	0.00	0.00	-0.06	±0.3
10600	4.36	4.30	4.29	4.37	4.30	4.28	0.02	0.00	-0.02	±0.3
13400	4.38	4.32	4.30	4.39	4.33	4.31	0.02	0.02	0.02	±0.3
17000	4.38	4.32	4.30	4.36	4.32	4.32	-0.04	0.00	0.04	±0.3
21400	4.40	4.34	4.33	4.39	4.35	4.35	-0.02	0.02	0.04	±0.3
27200	4.40	4.34	4.32	4.41	4.35	4.33	0.02	0.02	0.02	±0.3
34400	4.40	4.35	4.34	4.39	4.35	4.35	-0.02	0.00	0.02	±0.3
40000	4.39	4.34	4.33	4.38	4.34	4.33	-0.02	0.00	0.00	±0.3
43600	4.38	4.34	4.32	4.37	4.33	4.33	-0.02	-0.02	0.02	±0.3
55400	4.37	4.33	4.31	4.37	4.33	4.32	0.00	0.00	0.02	±0.3
70000	4.36	4.32	4.30	4.36	4.32	4.30	0.00	0.00	0.00	±0.3
88800	4.34	4.30	4.29	4.35	4.30	4.30	0.02	0.00	0.02	±0.3
112400	4.33	4.29	4.28	4.33	4.30	4.28	0.00	0.02	0.00	±0.3
142400	4.31	4.27	4.26	4.31	4.28	4.26	0.00	0.02	0.00	±0.3
161750	4.29	4.25	4.24	4.28	4.26	4.25	-0.02	0.02	0.02	±0.3
180400	4.28	4.24	4.23	4.27	4.25	4.24	-0.02	0.02	0.02	±0.3
228400	4.25	4.20	4.19	4.24	4.20	4.20	-0.02	0.00	0.02	±0.3
289400	4.20	4.17	4.15	4.19	4.17	4.16	-0.02	0.00	0.02	±0.3
366400	4.16	4.13	4.12	4.15	4.13	4.12	-0.02	0.00	0.00	±0.3
400000	4.14	4.11	4.10	4.13	4.12	4.11	-0.02	0.02	0.02	±0.3
464000	4.11	4.08	4.07	4.10	4.08	4.07	-0.02	0.00	0.00	±0.3
587800	4.06	4.03	4.02	4.05	4.04	4.03	-0.02	0.02	0.02	±0.3
744200	4.01	3.98	3.97	4.00	3.99	3.98	-0.02	0.02	0.02	±0.3
942600	3.99	3.97	3.96	4.00	3.97	3.96	0.02	0.00	0.00	±0.3
1193600	3.96	3.94	3.93	3.96	3.95	3.94	0.00	0.02	0.02	±0.3
1511600	3.95	3.93	3.92	3.96	3.94	3.93	0.02	0.02	0.02	±0.3
1914400	3.94	3.92	3.90	3.93	3.92	3.92	-0.02	0.00	0.04	±0.3
2424400	3.92	3.90	3.89	3.93	3.90	3.90	0.02	0.00	0.02	±0.3
3070200	3.90	3.88	3.87	3.90	3.88	3.87	0.00	0.00	0.00	±0.3
3888000	3.85	3.83	3.82	3.85	3.83	3.82	0.00	0.00	0.00	±0.3
4000000	3.84	3.82	3.81	3.85	3.82	3.81	0.02	0.00	0.00	±0.3
4923800	3.77	3.75	3.74	3.77	3.76	3.75	0.00	0.02	0.02	±0.3
6235400	3.65	3.62	3.61	3.65	3.62	3.61	0.00	0.00	0.00	±0.3
7896400	3.52	3.49	3.49	3.52	3.50	3.42	0.00	0.02	-0.18	±0.3
10000000	3.38	3.36	3.35	3.38	3.35	3.32	0.00	-0.03	-0.08	±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+E3D SN:3054
MAGPy-DAS SN:3054

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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	165	165	167	166	166	167	0.05	0.05	0.00	±0.3
3200	164	164	171	163	165	171	-0.05	0.05	0.00	±0.3
4000	169	169	163	170	170	163	0.05	0.05	0.00	±0.3
5200	165	165	165	166	165	164	0.05	0.00	-0.05	±0.3
6600	171	171	167	170	171	168	-0.05	0.00	0.05	±0.3
8200	159	159	163	159	159	163	0.00	0.00	0.00	±0.3
9000	167	167	167	168	168	168	0.05	0.05	0.05	±0.3
10600	168	168	164	169	169	164	0.05	0.05	0.00	±0.3
13400	165	165	165	165	165	165	0.00	0.00	0.00	±0.3
17000	163	163	166	164	164	166	0.05	0.05	0.00	±0.3
21400	166	166	166	167	167	166	0.05	0.05	0.00	±0.3
27200	164	164	165	165	165	165	0.05	0.05	0.00	±0.3
34400	167	167	164	167	167	165	0.00	0.00	0.05	±0.3
40000	168	168	166	168	168	166	0.00	0.00	0.00	±0.3
43600	167	167	166	167	167	166	0.00	0.00	0.00	±0.3
55400	167	167	167	168	168	167	0.05	0.05	0.00	±0.3
70000	166	166	166	167	167	166	0.05	0.05	0.00	±0.3
88800	167	167	167	168	168	167	0.05	0.05	0.00	±0.3
112400	168	168	168	168	168	168	0.00	0.00	0.00	±0.3
142400	168	168	168	169	169	168	0.05	0.05	0.00	±0.3
161750	168	168	169	169	169	169	0.05	0.05	0.00	±0.3
180400	170	170	169	170	170	169	0.00	0.00	0.00	±0.3
228400	170	170	170	171	171	170	0.05	0.05	0.00	±0.3
289400	171	171	171	172	172	171	0.05	0.05	0.00	±0.3
366400	173	173	172	173	173	172	0.00	0.00	0.00	±0.3
400000	173	173	173	173	173	173	0.00	0.00	0.00	±0.3
464000	174	174	174	174	174	174	0.00	0.00	0.00	±0.3
587800	175	175	175	175	175	175	0.00	0.00	0.00	±0.3
744200	175	175	175	175	175	175	0.00	0.00	0.00	±0.3
942600	176	176	175	176	176	175	0.00	0.00	0.00	±0.3
1193600	176	176	175	176	176	175	0.00	0.00	0.00	±0.3
1511600	175	175	174	175	175	174	0.00	0.00	0.00	±0.3
1914400	174	174	174	175	175	174	0.05	0.05	0.00	±0.3
2424400	174	174	173	174	174	173	0.00	0.00	0.00	±0.3
3070200	174	174	173	174	174	173	0.00	0.00	0.00	±0.3
3888000	174	174	173	174	174	173	0.00	0.00	0.00	±0.3
4000000	174	174	173	175	174	173	0.05	0.00	0.00	±0.3
4923800	175	175	174	175	175	174	0.00	0.00	0.00	±0.3
6235400	177	177	176	178	177	176	0.05	0.00	0.00	±0.3
7896400	182	182	181	182	182	181	0.00	0.00	0.00	±0.3
10000000	191	191	190	192	192	190	0.05	0.05	0.00	±0.3

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

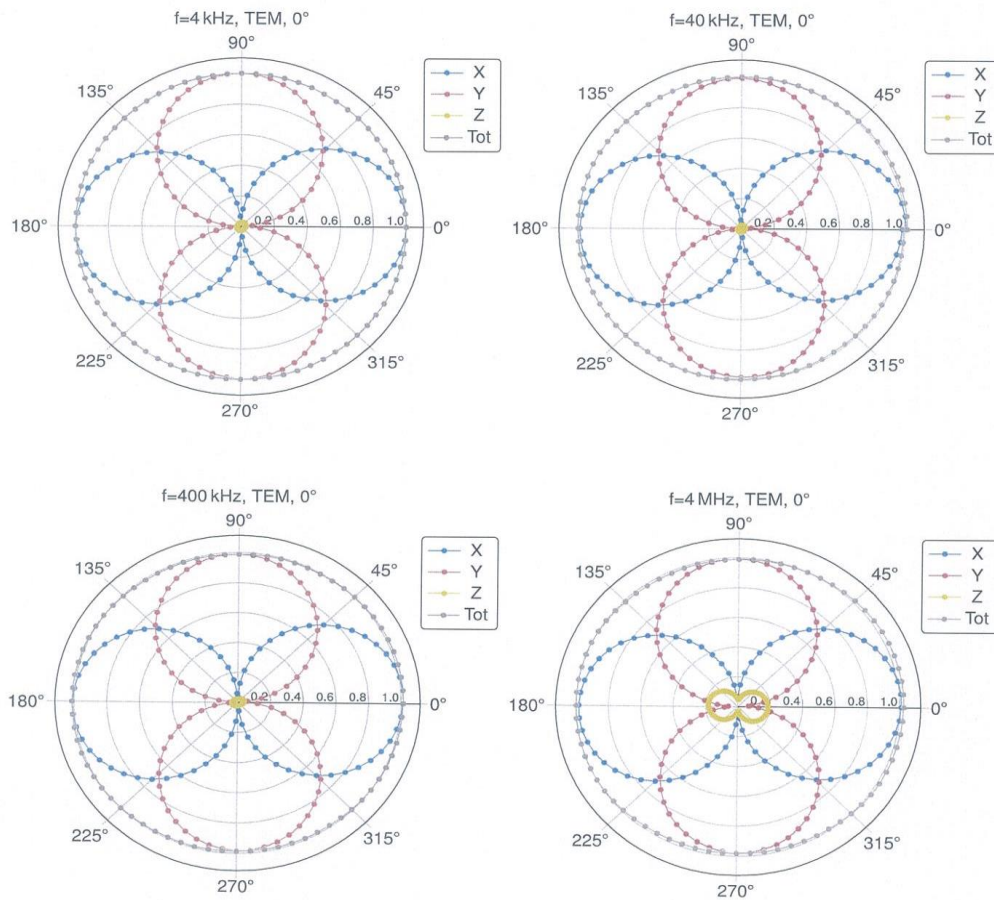
¹ Calibration uncertainty not taken into account (shared risk 50%).

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Isotropy H-Field

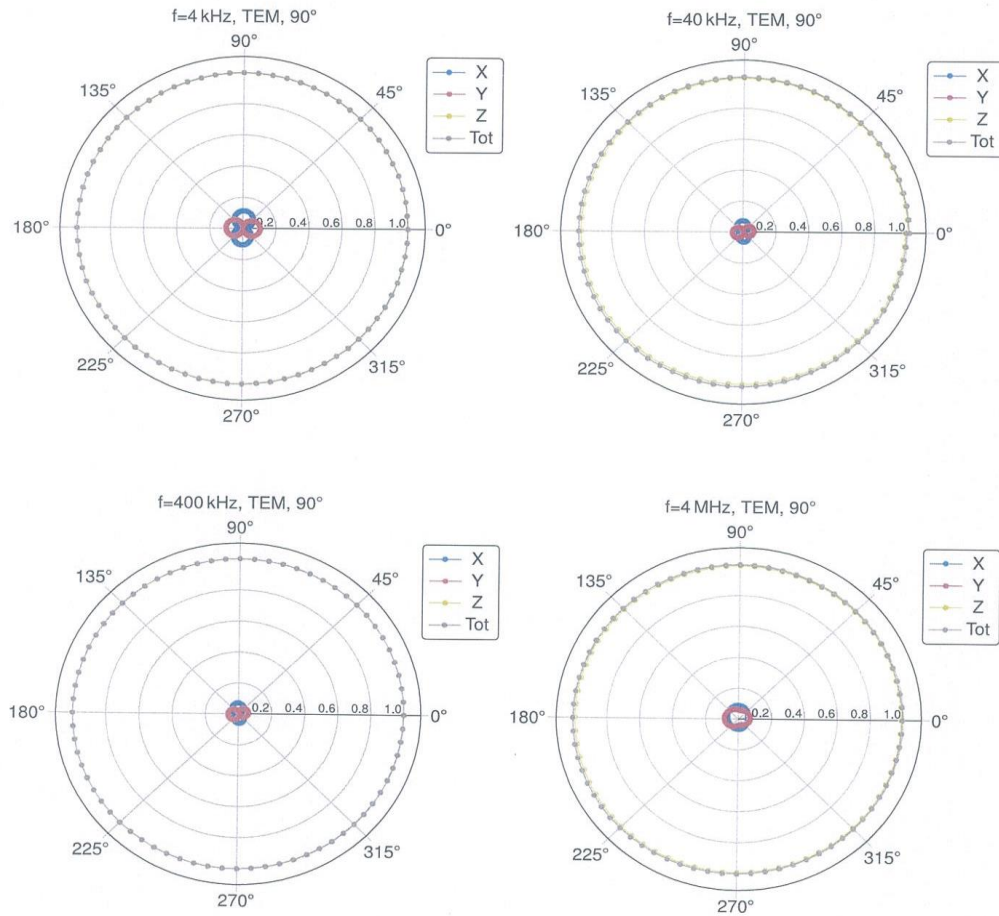
H-Field Receiving Pattern (ϕ), $\vartheta = 0^\circ$



MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

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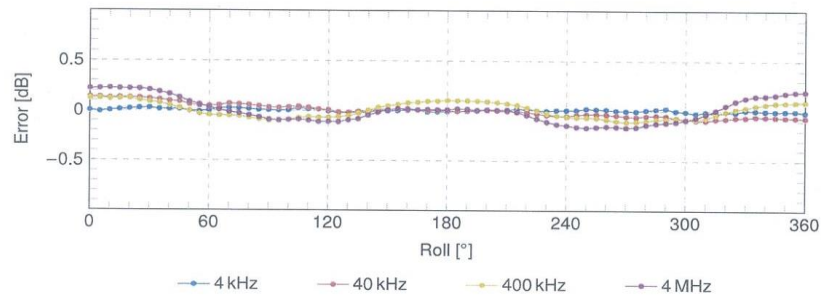
H-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



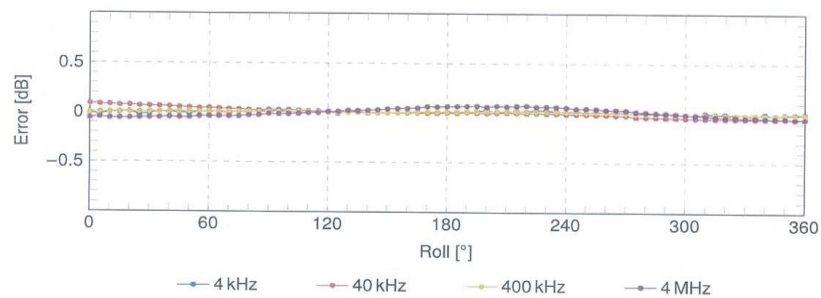
MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

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



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



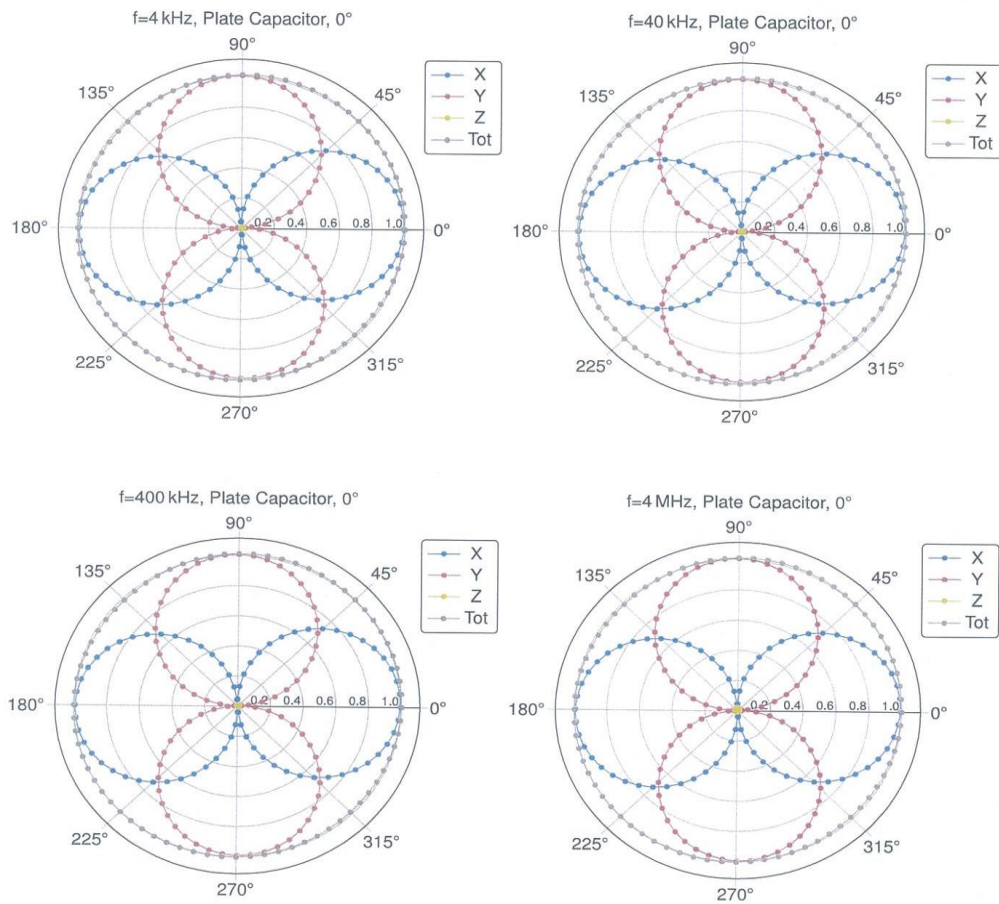
SPEAG axial deviation from the ideal response tolerance for H-field: ± 0.6 dB

MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

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Isotropy E-Field

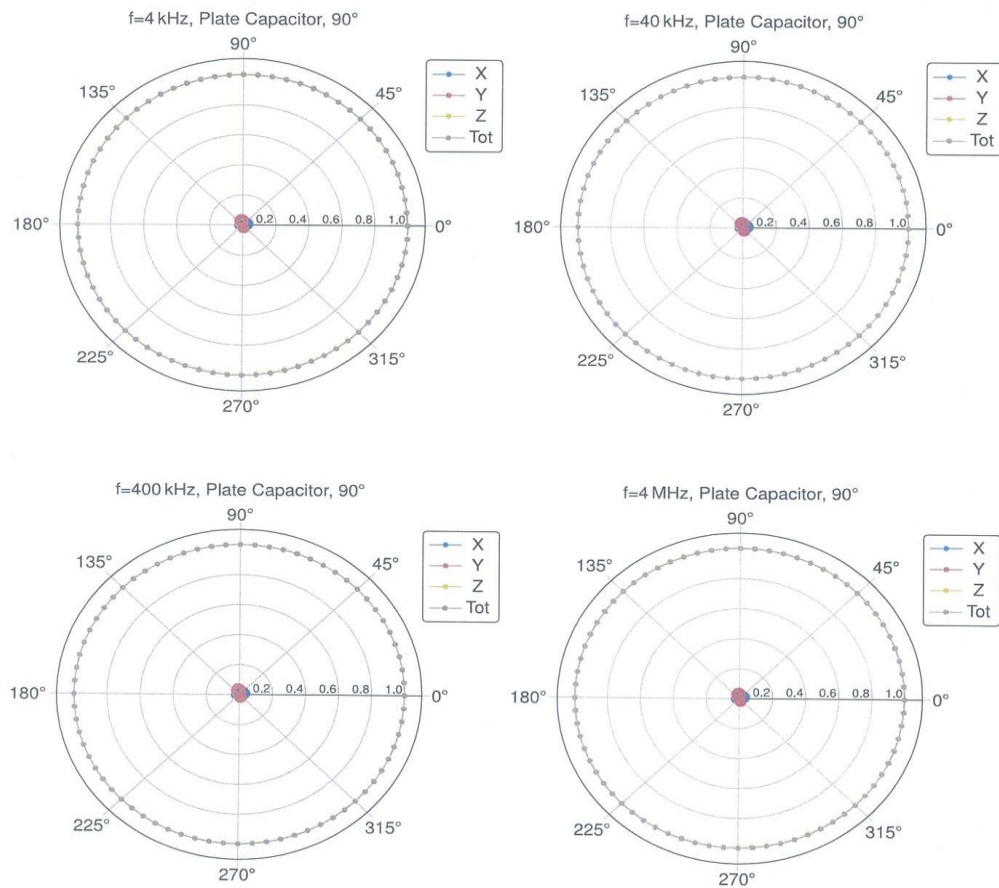
E-Field Receiving Pattern (ϕ), $\theta = 0^\circ$



MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

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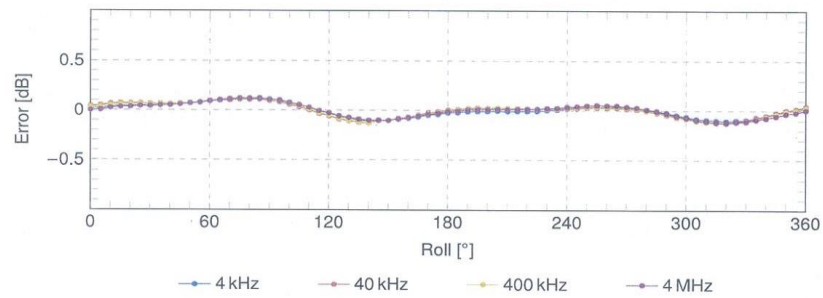
E-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



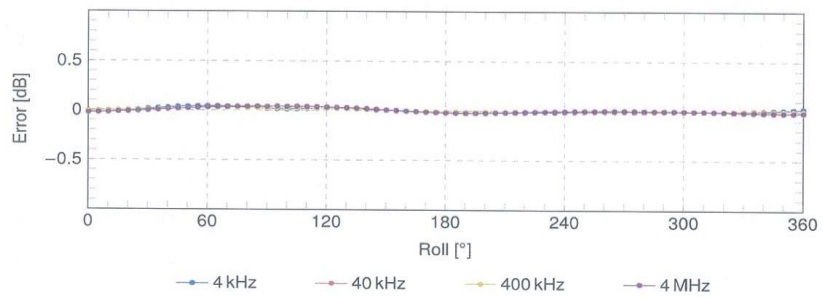
MAGPy-8H3D+E3D SN:3054
MAGPy-DAS SN:3054

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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

Appendix D. Test Setup Photo

