

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	1.54	1.54	1.54	1.55	1.55	1.54	0.06	0.06	0.00	±0.3
3200	1.54	1.54	1.53	1.52	1.57	1.54	-0.11	0.17	0.06	±0.3
4000	1.53	1.53	1.53	1.53	1.53	1.54	0.00	0.00	0.06	±0.3
5200	1.52	1.52	1.51	1.53	1.52	1.53	0.06	0.00	0.11	±0.3
6600	1.51	1.51	1.50	1.52	1.51	1.51	0.06	0.00	0.06	±0.3
8200	1.50	1.50	1.49	1.51	1.50	1.50	0.06	0.00	0.06	±0.3
9000	1.49	1.49	1.49	1.49	1.50	1.50	0.00	0.06	0.06	±0.3
10600	4.36	4.26	4.24	4.39	4.28	4.29	0.06	0.04	0.10	±0.3
13400	4.38	4.33	4.31	4.41	4.33	4.33	0.06	0.00	0.04	±0.3
17000	4.39	4.32	4.30	4.42	4.35	4.33	0.06	0.06	0.06	±0.3
21400	4.41	4.34	4.33	4.42	4.38	4.34	0.02	0.08	0.02	±0.3
27200	4.41	4.34	4.32	4.44	4.36	4.34	0.06	0.04	0.04	±0.3
34400	4.41	4.35	4.33	4.43	4.37	4.35	0.04	0.04	0.04	±0.3
40000	4.40	4.34	4.33	4.43	4.37	4.34	0.06	0.06	0.02	±0.3
43600	4.39	4.34	4.32	4.42	4.36	4.35	0.06	0.04	0.06	±0.3
55400	4.38	4.32	4.31	4.39	4.34	4.32	0.02	0.04	0.02	±0.3
70000	4.37	4.32	4.30	4.39	4.33	4.31	0.04	0.02	0.02	±0.3
88800	4.35	4.30	4.29	4.37	4.31	4.29	0.04	0.02	0.00	±0.3
112400	4.34	4.29	4.28	4.35	4.29	4.29	0.02	0.00	0.02	±0.3
142400	4.32	4.27	4.26	4.33	4.27	4.26	0.02	0.00	0.00	±0.3
161750	4.30	4.25	4.24	4.31	4.26	4.25	0.02	0.02	0.02	±0.3
180400	4.29	4.25	4.23	4.29	4.25	4.24	0.00	0.00	0.02	±0.3
228400	4.26	4.21	4.20	4.27	4.21	4.20	0.02	0.00	0.00	±0.3
289400	4.22	4.18	4.17	4.22	4.18	4.17	0.00	0.00	0.00	±0.3
366400	4.18	4.14	4.13	4.17	4.13	4.13	-0.02	-0.02	0.00	±0.3
400000	4.16	4.12	4.11	4.16	4.12	4.11	0.00	0.00	0.00	±0.3
464000	4.13	4.09	4.08	4.13	4.09	4.08	0.00	0.00	0.00	±0.3
587800	4.09	4.05	4.04	4.08	4.05	4.04	-0.02	0.00	0.00	±0.3
744200	4.03	4.00	3.99	4.03	4.00	3.99	0.00	0.00	0.00	±0.3
942600	4.02	3.99	3.98	4.01	3.99	3.98	-0.02	0.00	0.00	±0.3
1193600	4.00	3.97	3.96	3.99	3.97	3.96	-0.02	0.00	0.00	±0.3
1511600	3.99	3.96	3.95	3.98	3.97	3.95	-0.02	0.02	0.00	±0.3
1914400	3.98	3.94	3.94	3.97	3.94	3.93	-0.02	0.00	-0.02	±0.3
2424400	3.96	3.93	3.92	3.96	3.92	3.92	0.00	-0.02	0.00	±0.3
3070200	3.94	3.90	3.89	3.93	3.90	3.89	-0.02	0.00	0.00	±0.3
3888000	3.88	3.85	3.84	3.88	3.85	3.83	0.00	0.00	-0.02	±0.3
4000000	3.87	3.84	3.83	3.87	3.84	3.83	0.00	0.00	0.00	±0.3
4923800	3.81	3.78	3.77	3.80	3.77	3.76	-0.02	-0.02	-0.02	±0.3
6235400	3.70	3.67	3.66	3.69	3.67	3.65	-0.02	0.00	-0.02	±0.3
7896400	3.56	3.52	3.52	3.55	3.52	3.51	-0.02	0.00	-0.02	±0.3
10000000	3.41	3.38	3.38	3.41	3.37	3.38	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

¹Calibration 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	1.54	1.54	1.54	1.55	1.55	1.55	0.06	0.06	0.06	±0.3
3200	1.54	1.54	1.53	1.52	1.57	1.54	-0.11	0.17	0.06	±0.3
4000	1.53	1.53	1.53	1.54	1.53	1.54	0.06	0.00	0.06	±0.3
5200	1.52	1.52	1.51	1.52	1.52	1.53	0.00	0.00	0.11	±0.3
6600	1.51	1.51	1.50	1.51	1.51	1.52	0.00	0.00	0.12	±0.3
8200	1.50	1.50	1.49	1.50	1.50	1.50	0.00	0.00	0.06	±0.3
9000	1.49	1.49	1.49	1.49	1.50	1.50	0.00	0.06	0.06	±0.3
10600	4.36	4.26	4.24	4.41	4.29	4.30	0.10	0.06	0.12	±0.3
13400	4.38	4.33	4.31	4.42	4.36	4.32	0.08	0.06	0.02	±0.3
17000	4.39	4.32	4.30	4.41	4.35	4.32	0.04	0.06	0.04	±0.3
21400	4.41	4.34	4.33	4.43	4.36	4.37	0.04	0.04	0.08	±0.3
27200	4.41	4.34	4.32	4.44	4.36	4.35	0.06	0.04	0.06	±0.3
34400	4.41	4.35	4.33	4.43	4.36	4.35	0.04	0.02	0.04	±0.3
40000	4.40	4.34	4.33	4.43	4.37	4.35	0.06	0.06	0.04	±0.3
43600	4.39	4.34	4.32	4.42	4.35	4.34	0.06	0.02	0.04	±0.3
55400	4.38	4.32	4.31	4.39	4.35	4.33	0.02	0.06	0.04	±0.3
70000	4.37	4.32	4.30	4.39	4.34	4.32	0.04	0.04	0.04	±0.3
88800	4.35	4.30	4.29	4.37	4.31	4.30	0.04	0.02	0.02	±0.3
112400	4.34	4.29	4.28	4.35	4.29	4.28	0.02	0.00	0.00	±0.3
142400	4.32	4.27	4.26	4.33	4.28	4.27	0.02	0.02	0.02	±0.3
161750	4.30	4.25	4.24	4.31	4.26	4.25	0.02	0.02	0.02	±0.3
180400	4.29	4.25	4.23	4.29	4.25	4.24	0.00	0.00	0.02	±0.3
228400	4.26	4.21	4.20	4.22	4.22	4.21	-0.08	0.02	0.02	±0.3
289400	4.22	4.18	4.17	4.22	4.18	4.17	0.00	0.00	0.00	±0.3
366400	4.18	4.14	4.13	4.18	4.14	4.13	0.00	0.00	0.00	±0.3
400000	4.16	4.12	4.11	4.16	4.12	4.11	0.00	0.00	0.00	±0.3
464000	4.13	4.09	4.08	4.13	4.09	4.08	0.00	0.00	0.00	±0.3
587800	4.09	4.05	4.04	4.09	4.05	4.04	0.00	0.00	0.00	±0.3
744200	4.03	4.00	3.99	4.03	4.00	3.99	0.00	0.00	0.00	±0.3
942600	4.02	3.99	3.98	4.02	3.98	3.98	0.00	-0.02	0.00	±0.3
1193600	4.00	3.97	3.96	3.99	3.96	3.96	-0.02	-0.02	0.00	±0.3
1511600	3.99	3.96	3.95	3.98	3.96	3.95	-0.02	0.00	0.00	±0.3
1914400	3.98	3.94	3.94	3.97	3.94	3.93	-0.02	0.00	-0.02	±0.3
2424400	3.96	3.93	3.92	3.96	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.94	3.90	3.89	3.93	3.90	3.89	-0.02	0.00	0.00	±0.3
3888000	3.88	3.85	3.84	3.88	3.85	3.83	0.00	0.00	-0.02	±0.3
4000000	3.87	3.84	3.83	3.87	3.84	3.82	0.00	0.00	-0.02	±0.3
4923800	3.81	3.78	3.77	3.80	3.77	3.76	-0.02	-0.02	-0.02	±0.3
6235400	3.70	3.67	3.66	3.69	3.67	3.65	-0.02	0.00	-0.02	±0.3
7896400	3.56	3.52	3.52	3.55	3.50	3.51	-0.02	-0.05	-0.02	±0.3
10000000	3.41	3.38	3.38	3.40	3.38	3.37	-0.03	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%).

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	1.54	1.54	1.54	1.55	1.55	1.54	0.06	0.06	0.00	±0.3
3200	1.54	1.54	1.53	1.53	1.57	1.54	-0.06	0.17	0.06	±0.3
4000	1.53	1.53	1.53	1.54	1.53	1.54	0.06	0.00	0.06	±0.3
5200	1.52	1.52	1.51	1.53	1.52	1.53	0.06	0.00	0.11	±0.3
6600	1.51	1.51	1.50	1.53	1.51	1.52	0.11	0.00	0.12	±0.3
8200	1.50	1.50	1.49	1.51	1.49	1.50	0.06	-0.06	0.06	±0.3
9000	1.49	1.49	1.49	1.50	1.50	1.50	0.06	0.06	0.06	±0.3
10600	4.36	4.26	4.24	4.40	4.27	4.30	0.08	0.02	0.12	±0.3
13400	4.38	4.33	4.31	4.42	4.35	4.34	0.08	0.04	0.06	±0.3
17000	4.39	4.32	4.30	4.41	4.36	4.34	0.04	0.08	0.08	±0.3
21400	4.41	4.34	4.33	4.42	4.37	4.36	0.02	0.06	0.06	±0.3
27200	4.41	4.34	4.32	4.43	4.37	4.34	0.04	0.06	0.04	±0.3
34400	4.41	4.35	4.33	4.42	4.36	4.35	0.02	0.02	0.04	±0.3
40000	4.40	4.34	4.33	4.43	4.37	4.35	0.06	0.06	0.04	±0.3
43600	4.39	4.34	4.32	4.42	4.36	4.34	0.06	0.04	0.04	±0.3
55400	4.38	4.32	4.31	4.40	4.34	4.33	0.04	0.04	0.04	±0.3
70000	4.37	4.32	4.30	4.39	4.33	4.31	0.04	0.02	0.02	±0.3
88800	4.35	4.30	4.29	4.37	4.31	4.30	0.04	0.02	0.02	±0.3
112400	4.34	4.29	4.28	4.34	4.29	4.29	0.00	0.00	0.02	±0.3
142400	4.32	4.27	4.26	4.33	4.27	4.27	0.02	0.00	0.02	±0.3
161750	4.30	4.25	4.24	4.30	4.26	4.25	0.00	0.02	0.02	±0.3
180400	4.29	4.25	4.23	4.29	4.25	4.23	0.00	0.00	0.00	±0.3
228400	4.26	4.21	4.20	4.27	4.21	4.21	0.02	0.00	0.02	±0.3
289400	4.22	4.18	4.17	4.21	4.18	4.17	-0.02	0.00	0.00	±0.3
366400	4.18	4.14	4.13	4.18	4.14	4.13	0.00	0.00	0.00	±0.3
400000	4.16	4.12	4.11	4.15	4.12	4.11	-0.02	0.00	0.00	±0.3
464000	4.13	4.09	4.08	4.13	4.09	4.08	0.00	0.00	0.00	±0.3
587800	4.09	4.05	4.04	4.08	4.05	4.04	-0.02	0.00	0.00	±0.3
744200	4.03	4.00	3.99	4.03	4.00	4.00	0.00	0.00	0.02	±0.3
942600	4.02	3.99	3.98	4.01	3.99	3.98	-0.02	0.00	0.00	±0.3
1193600	4.00	3.97	3.96	3.99	3.97	3.96	-0.02	0.00	0.00	±0.3
1511600	3.99	3.96	3.95	3.99	3.96	3.95	0.00	0.00	0.00	±0.3
1914400	3.98	3.94	3.94	3.98	3.94	3.93	0.00	0.00	-0.02	±0.3
2424400	3.96	3.93	3.92	3.96	3.93	3.92	0.00	0.00	0.00	±0.3
3070200	3.94	3.90	3.89	3.92	3.90	3.89	-0.04	0.00	0.00	±0.3
3888000	3.88	3.85	3.84	3.87	3.84	3.83	-0.02	-0.02	-0.02	±0.3
4000000	3.87	3.84	3.83	3.87	3.83	3.82	0.00	-0.02	-0.02	±0.3
4923800	3.81	3.78	3.77	3.80	3.77	3.76	-0.02	-0.02	-0.02	±0.3
6235400	3.70	3.67	3.66	3.69	3.67	3.65	-0.02	0.00	-0.02	±0.3
7896400	3.56	3.52	3.52	3.55	3.52	3.51	-0.02	0.00	-0.02	±0.3
10000000	3.41	3.38	3.38	3.40	3.37	3.40	-0.03	-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, E-field, Channel 0

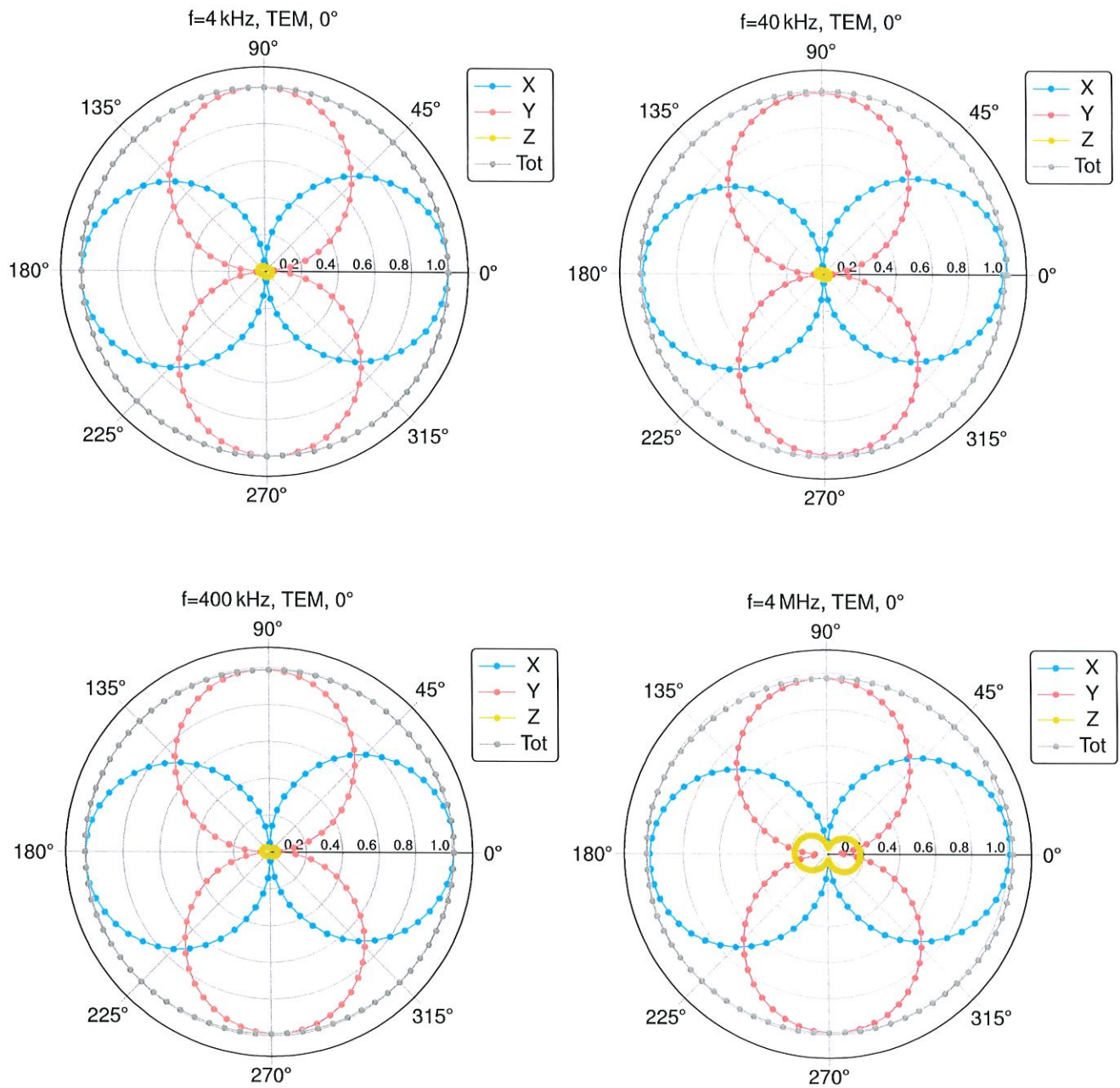
f/(Hz)	E-field/(V/m) Applied			E-field/(V/m) Reading			Difference/(dB)			Tolerance/(dB)
	x	y	z	x	y	z	x	y	z	
3000	82.8	82.8	83.7	82.7	82.8	83.7	-0.01	0.00	0.00	±0.3
3200	82.2	82.2	79.2	82.5	81.6	79.8	0.03	-0.06	0.07	±0.3
4000	85.7	85.7	82.9	85.7	85.6	82.9	0.00	-0.01	0.00	±0.3
5200	80.3	80.3	80.0	80.7	80.8	79.3	0.04	0.05	-0.08	±0.3
6600	80.0	80.0	78.3	80.1	80.2	78.4	0.01	0.02	0.01	±0.3
8200	79.5	79.5	77.6	79.8	79.1	77.7	0.03	-0.04	0.01	±0.3
9000	79.9	79.9	80.0	79.9	80.0	80.0	0.00	0.01	0.00	±0.3
10600	81.5	81.5	77.7	81.5	81.5	77.6	0.00	0.00	-0.01	±0.3
13400	80.1	80.1	79.2	80.1	80.1	79.1	0.00	0.00	-0.01	±0.3
17000	79.2	79.2	79.8	79.2	79.2	79.8	0.00	0.00	0.00	±0.3
21400	77.2	77.2	77.7	77.2	77.2	77.6	0.00	0.00	-0.01	±0.3
27200	77.6	77.6	77.0	77.7	77.7	77.1	0.01	0.01	0.01	±0.3
34400	79.5	79.5	78.1	79.5	79.5	78.1	0.00	0.00	0.00	±0.3
40000	79.0	79.0	78.7	79.0	79.1	78.7	0.00	0.01	0.00	±0.3
43600	79.4	79.4	78.4	79.4	79.5	78.5	0.00	0.01	0.01	±0.3
55400	78.9	78.9	77.8	78.9	78.9	77.8	0.00	0.00	0.00	±0.3
70000	79.4	79.4	78.2	79.4	79.4	78.2	0.00	0.00	0.00	±0.3
88800	79.2	79.2	78.4	79.2	79.2	78.5	0.00	0.00	0.01	±0.3
112400	79.1	79.1	78.3	79.1	79.1	78.3	0.00	0.00	0.00	±0.3
142400	79.5	79.5	78.5	79.5	79.5	78.5	0.00	0.00	0.00	±0.3
161750	79.9	79.9	79.1	79.9	79.9	79.1	0.00	0.00	0.00	±0.3
180400	80.2	80.2	79.3	80.2	80.2	79.3	0.00	0.00	0.00	±0.3
228400	80.9	80.9	79.7	80.9	80.9	79.7	0.00	0.00	0.00	±0.3
289400	80.9	80.9	80.0	80.9	80.9	80.0	0.00	0.00	0.00	±0.3
366400	81.0	81.0	80.1	81.0	81.0	80.1	0.00	0.00	0.00	±0.3
400000	81.3	81.3	80.3	81.3	81.3	80.3	0.00	0.00	0.00	±0.3
464000	81.9	81.9	80.8	81.9	81.9	80.8	0.00	0.00	0.00	±0.3
587800	82.1	82.1	81.0	82.2	82.1	81.0	0.01	0.00	0.00	±0.3
744200	82.1	82.1	81.0	82.1	82.1	80.9	0.00	0.00	-0.01	±0.3
942600	82.2	82.2	81.1	82.2	82.2	81.1	0.00	0.00	0.00	±0.3
1193600	82.4	82.4	81.1	82.4	82.4	81.1	0.00	0.00	0.00	±0.3
1511600	82.0	82.0	81.0	82.0	82.0	80.9	0.00	0.00	-0.01	±0.3
1914400	81.7	81.7	80.7	81.7	81.7	80.7	0.00	0.00	0.00	±0.3
2424400	81.5	81.5	80.6	81.5	81.5	80.6	0.00	0.00	0.00	±0.3
3070200	81.6	81.6	80.8	81.6	81.6	80.8	0.00	0.00	0.00	±0.3
3888000	81.8	81.8	80.9	81.8	81.8	80.9	0.00	0.00	0.00	±0.3
4000000	81.9	81.9	81.1	81.9	81.9	81.1	0.00	0.00	0.00	±0.3
4923800	82.5	82.5	81.7	82.4	82.5	81.7	-0.01	0.00	0.00	±0.3
6235400	83.6	83.6	82.5	83.6	83.6	82.5	0.00	0.00	0.00	±0.3
7896400	86.8	86.8	86.3	86.8	86.8	86.3	0.00	0.00	0.00	±0.3
10000000	94.4	94.4	93.8	94.4	94.4	93.7	0.00	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

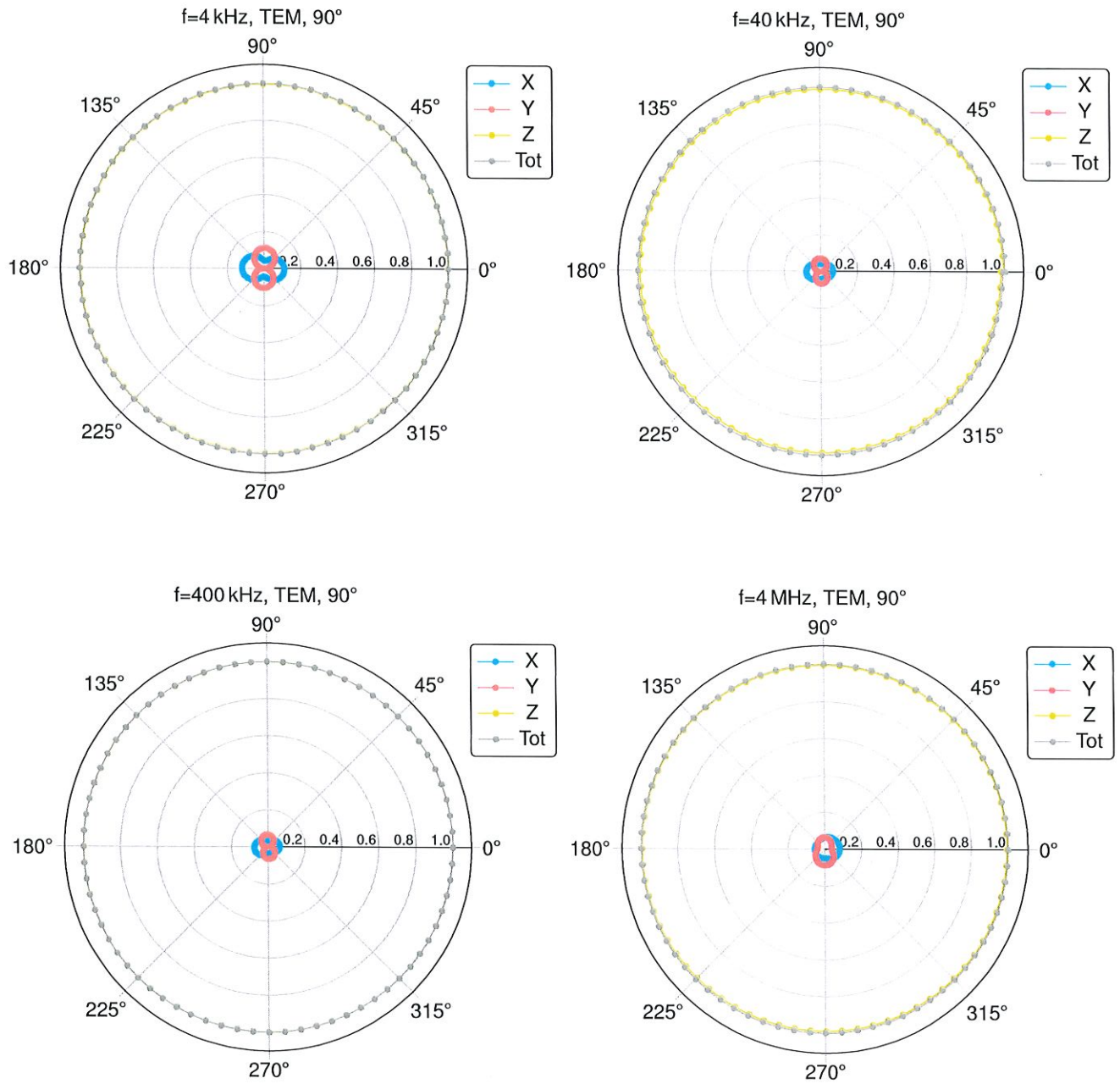
¹ Calibration uncertainty not taken into account (shared risk 50%).

Isotropy H-Field

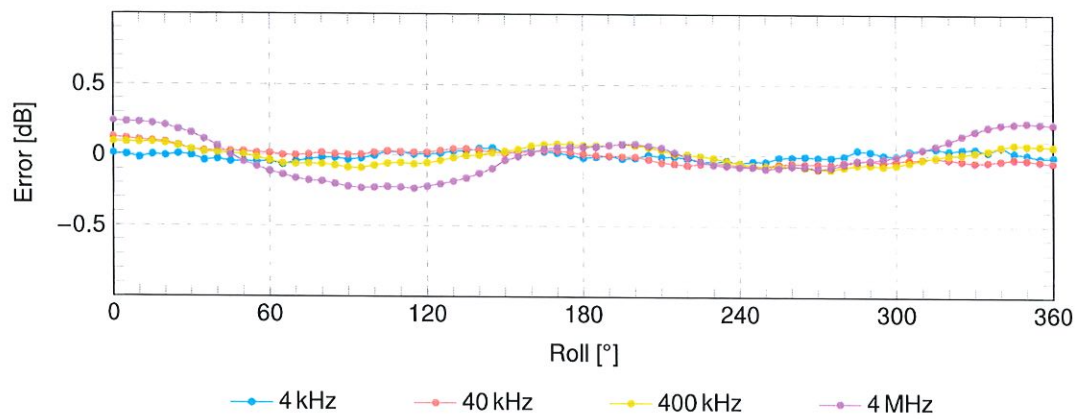
H-Field Receiving Pattern (ϕ), $\vartheta = 0^\circ$



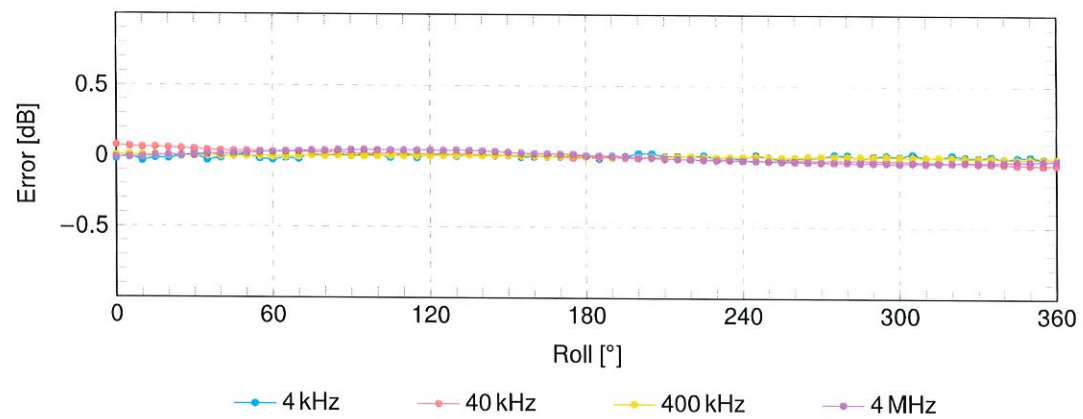
H-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



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



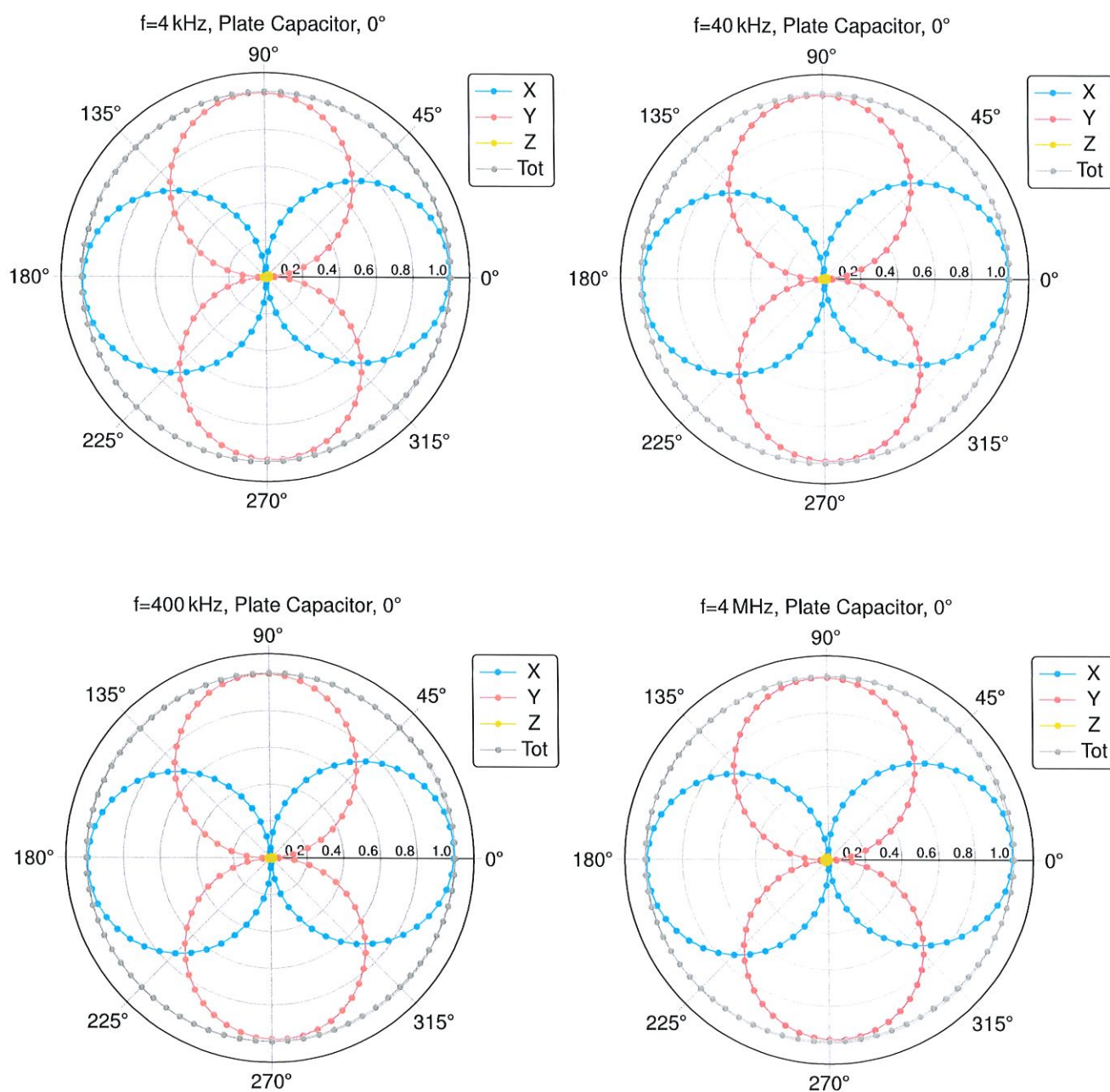
H-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



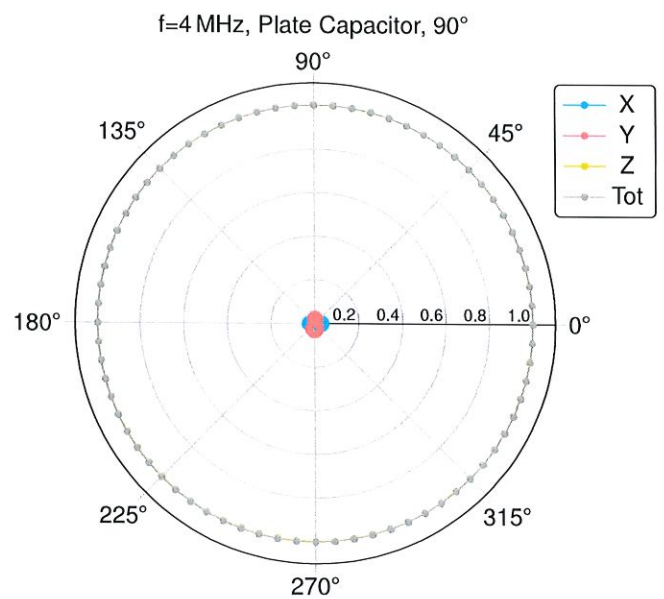
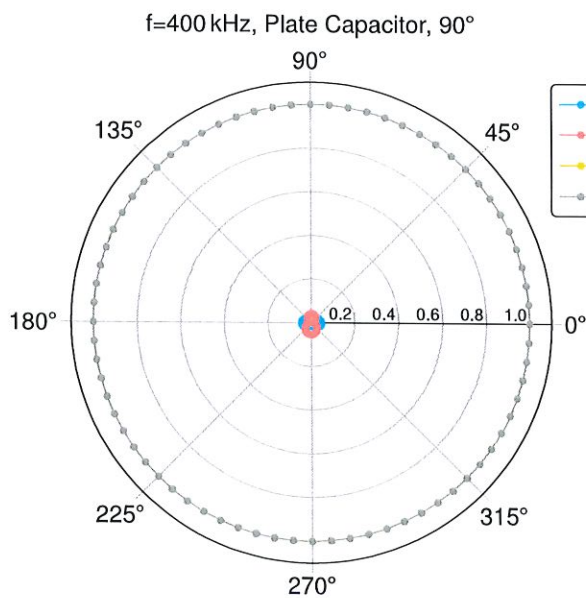
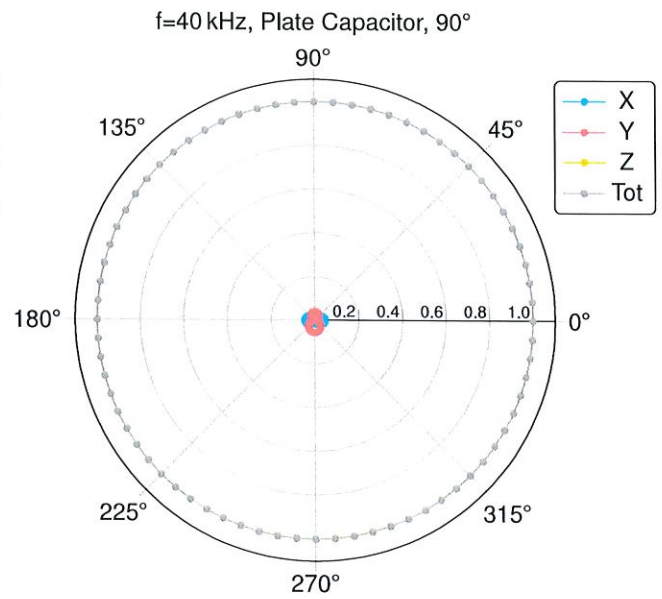
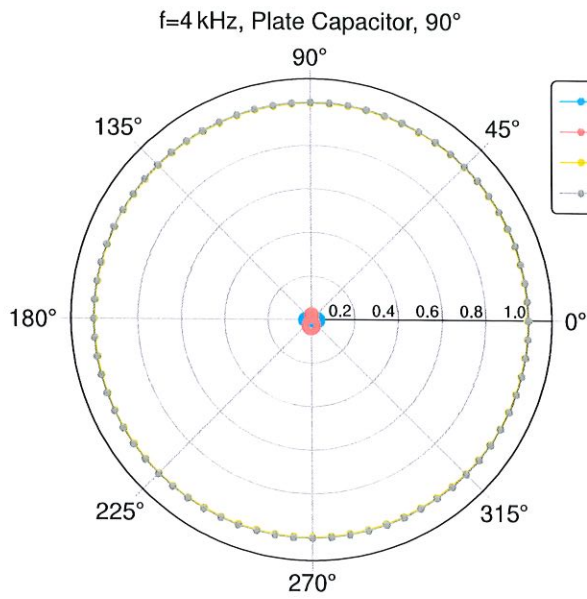
SPEAG axial deviation from the ideal response tolerance for H-field: ± 0.6 dB

Isotropy E-Field

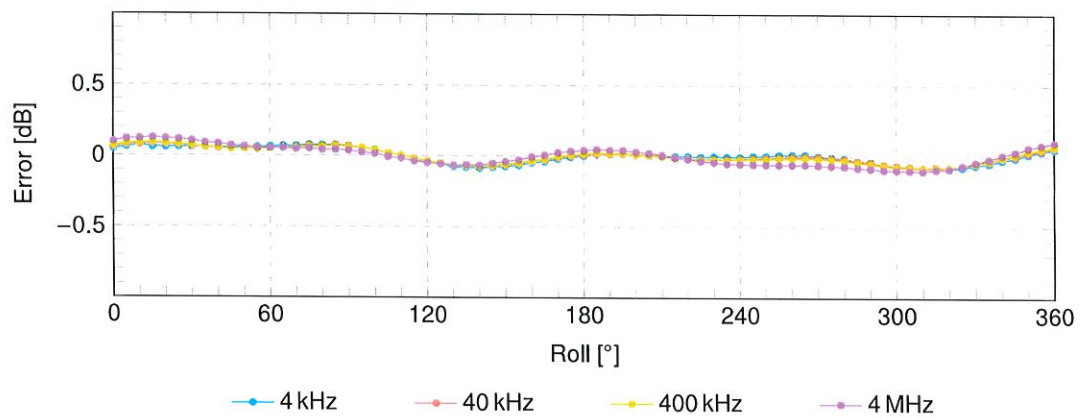
E-Field Receiving Pattern (ϕ), $\vartheta = 0^\circ$



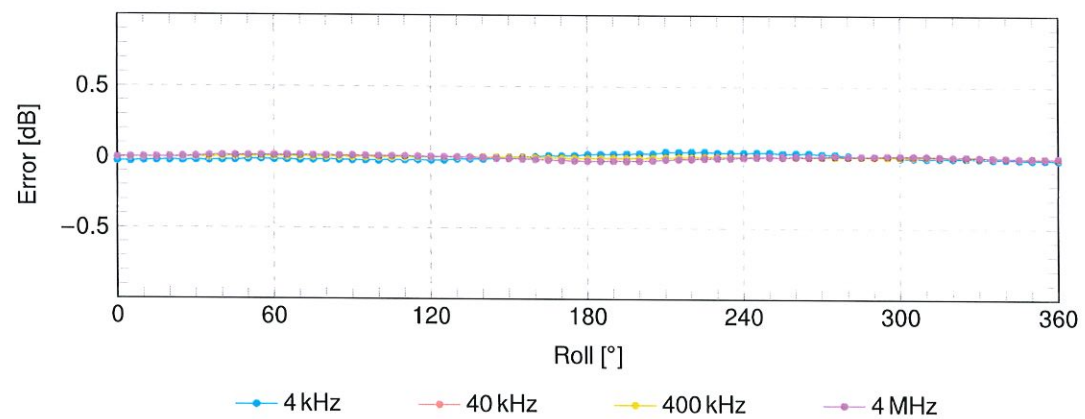
E-Field Receiving Pattern (ϕ), $\vartheta = 90^\circ$



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