Dynamic Range, H-field, Channel 4

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			Tolerance/(dB)
x	y	z	x	y	z	x	y	z	
0.370	0.370	0.370	0.390	0.380	0.380	0.46	0.23	0.23	±1.00
0.500	0.500	0.500	0.520	0.490	0.510	0.34	−0.18	0.17	±1.00
0.680	0.690	0.680	0.700	0.680	0.690	0.25	−0.13	0.13	±1.00
0.890	0.900	0.890	0.890	0.900	0.900	0.00	0.00	0.10	±1.00
1.21	1.22	1.20	1.22	1.24	1.22	0.07	0.14	0.14	±1.00
1.65	1.67	1.65	1.69	1.69	1.67	0.21	0.10	0.10	±1.00
2.20	2.23	2.20	2.22	2.24	2.22	0.08	0.04	0.08	±0.20
2.95	2.98	2.94	2.98	3.00	2.96	0.09	0.06	0.06	±0.20
4.00	4.05	3.99	4.04	4.06	4.01	0.09	0.02	0.04	±0.20
5.41	5.48	5.40	5.44	5.50	5.41	0.05	0.03	0.02	±0.20
7.28	7.38	7.27	7.30	7.39	7.27	0.02	0.01	0.00	±0.20
9.72	9.85	9.71	9.75	9.87	9.71	0.03	0.02	0.00	±0.20
13.1	13.3	13.1	13.2	13.4	13.1	0.07	0.07	0.00	±0.20
17.7	18.0	17.7	17.7	18.0	17.7	0.00	0.00	0.00	±0.20
23.9	24.3	23.9	23.9	24.3	23.9	0.00	0.00	0.00	±0.20
31.9	32.4	31.9	32.0	32.6	32.0	0.03	0.05	0.03	±0.20
43.1	43.8	43.0	43.3	44.0	43.2	0.04	0.04	0.04	±0.20
58.2	59.3	58.2	58.7	59.7	58.5	0.07	0.06	0.04	±0.20
80.3	81.6	80.2	79.9	81.3	79.9	−0.04	−0.03	−0.03	±0.20
105	107	105	105	106	105	0.00	−0.08	0.00	±0.20
145	147	144	144	146	144	−0.06	−0.06	0.00	±0.20
201	204	200	200	204	200	−0.04	0.00	0.00	±0.20
278	283	278	279	278	279	0.03	−0.15	0.03	±0.20
412	420	412	405	414	405	−0.15	−0.12	−0.15	±0.20
571	581	570	564	577	564	−0.11	−0.06	−0.09	±0.20
855	870	853	855	874	854	0.00	0.04	0.01	±0.20
1300	1320	1300	1320	1350	1320	0.13	0.20	0.13	±0.30
1780	1810	1770	1820	1860	1820	0.19	0.24	0.24	±0.30
2920	2970	2910	3030	3090	3020	0.32	0.34	0.32	±0.40
3560	3620	3550	3710	3790	3700	0.36	0.40	0.36	±0.50

SPEAG H-field linearity tolerance criteria[1]:
- ±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%).

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	
0.370	0.370	0.370	0.380	0.390	0.390	0.23	0.46	0.46	±1.00
0.510	0.510	0.510	0.490	0.530	0.530	−0.35	0.33	0.33	±1.00
0.690	0.700	0.700	0.690	0.690	0.710	0.00	−0.12	0.12	±1.00
0.900	0.910	0.910	0.910	0.900	0.910	0.10	−0.10	0.00	±1.00
1.23	1.23	1.23	1.24	1.23	1.23	0.07	0.00	0.00	±1.00
1.68	1.69	1.69	1.70	1.71	1.70	0.10	0.10	0.05	±1.00
2.24	2.25	2.25	2.25	2.25	2.25	0.04	0.00	0.00	±0.20
3.00	3.01	3.01	3.01	3.01	3.00	0.03	0.00	−0.03	±0.20
4.07	4.08	4.08	4.08	4.10	4.09	0.02	0.04	0.02	±0.20
5.50	5.53	5.52	5.52	5.55	5.53	0.03	0.03	0.02	±0.20
7.40	7.44	7.43	7.41	7.46	7.44	0.01	0.02	0.01	±0.20
9.88	9.93	9.93	9.90	9.96	9.94	0.02	0.03	0.01	±0.20
13.3	13.4	13.4	13.4	13.5	13.4	0.07	0.06	0.00	±0.20
18.0	18.1	18.1	18.0	18.1	18.1	0.00	0.00	0.00	±0.20
24.3	24.5	24.4	24.3	24.5	24.4	0.00	0.00	0.00	±0.20
32.4	32.6	32.6	32.6	32.8	32.7	0.05	0.05	0.03	±0.20
43.8	44.1	44.0	44.0	44.3	44.2	0.04	0.04	0.04	±0.20
59.2	59.8	59.6	59.6	60.1	59.9	0.06	0.04	0.04	±0.20
81.6	82.2	82.0	81.2	82.0	81.7	−0.04	−0.02	−0.03	±0.20
107	108	107	106	107	107	−0.08	−0.08	0.00	±0.20
147	148	148	146	148	147	−0.06	0.00	−0.06	±0.20
204	206	205	203	205	204	−0.04	−0.04	−0.04	±0.20
283	285	284	284	280	285	0.03	−0.15	0.03	±0.20
419	423	421	412	418	414	−0.15	−0.10	−0.15	±0.20
580	585	583	573	582	577	−0.11	−0.04	−0.09	±0.20
869	877	873	869	882	873	0.00	0.05	0.00	±0.20
1320	1330	1330	1340	1360	1350	0.13	0.19	0.13	±0.30
1810	1820	1810	1850	1880	1860	0.19	0.28	0.24	±0.30
2970	2990	2970	3080	3120	3090	0.32	0.37	0.34	±0.40
3620	3650	3630	3780	3820	3790	0.38	0.40	0.37	±0.50

SPEAG H-field linearity tolerance criteria[1]:
- ±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%).

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Dynamic Range, H-field, Channel 6

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			
x	y	z	x	y	z	x	y	z	Tolerance/(dB)
0.380	0.370	0.370	0.390	0.390	0.380	0.23	0.46	0.23	±1.00
0.510	0.500	0.500	0.520	0.520	0.510	0.17	0.34	0.17	±1.00
0.700	0.690	0.690	0.690	0.700	0.680	−0.12	0.12	−0.13	±1.00
0.920	0.900	0.900	0.920	0.910	0.890	0.00	0.10	−0.10	±1.00
1.24	1.22	1.22	1.26	1.25	1.21	0.14	0.21	−0.07	±1.00
1.70	1.68	1.67	1.71	1.70	1.67	0.05	0.10	0.00	±1.00
2.27	2.24	2.23	2.29	2.27	2.23	0.08	0.12	0.00	±0.20
3.04	2.99	2.98	3.05	3.02	2.98	0.03	0.09	0.00	±0.20
4.12	4.06	4.05	4.13	4.08	4.04	0.02	0.04	−0.02	±0.20
5.57	5.50	5.47	5.59	5.52	5.47	0.03	0.03	0.00	±0.20
7.50	7.40	7.37	7.55	7.41	7.36	0.06	0.01	−0.01	±0.20
10.0	9.88	9.84	10.1	9.90	9.84	0.09	0.02	0.00	±0.20
13.5	13.3	13.3	13.6	13.4	13.3	0.06	0.07	0.00	±0.20
18.2	18.0	17.9	18.3	18.0	17.9	0.05	0.00	0.00	±0.20
24.6	24.3	24.2	24.6	24.4	24.2	0.00	0.04	0.00	±0.20
32.8	32.5	32.3	33.0	32.6	32.5	0.05	0.03	0.05	±0.20
44.4	43.9	43.6	44.6	44.1	43.8	0.04	0.04	0.04	±0.20
60.0	59.5	59.0	60.4	59.8	59.4	0.06	0.04	0.06	±0.20
82.7	81.8	81.3	82.3	81.5	81.0	−0.04	−0.03	−0.03	±0.20
108	107	106	108	107	106	0.00	0.00	0.00	±0.20
149	147	146	148	147	146	−0.06	0.00	0.00	±0.20
207	205	203	206	204	202	−0.04	−0.04	−0.04	±0.20
286	284	282	288	279	283	0.06	−0.15	0.03	±0.20
425	421	417	417	415	410	−0.17	−0.12	−0.15	±0.20
588	582	578	581	579	571	−0.10	−0.04	−0.11	±0.20
880	872	865	880	876	865	0.00	0.04	0.00	±0.20
1340	1330	1310	1360	1350	1330	0.13	0.13	0.13	±0.30
1830	1810	1800	1870	1860	1840	0.19	0.24	0.19	±0.30
3010	2970	2950	3120	3100	3060	0.31	0.37	0.32	±0.50
3670	3630	3600	3820	3790	3750	0.35	0.37	0.35	±0.50

SPEAG H-field linearity tolerance criteria[1]:
- ±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%).

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Dynamic Range, H-field, Channel 7

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			
x	y	z	x	y	z	x	y	z	Tolerance/(dB)
0.380	0.370	0.360	0.400	0.390	0.370	0.45	0.46	0.24	±1.00
0.510	0.500	0.480	0.540	0.530	0.500	0.50	0.51	0.35	±1.00
0.700	0.690	0.660	0.720	0.700	0.680	0.24	0.12	0.26	±1.00
0.910	0.900	0.870	0.920	0.910	0.870	0.09	0.10	0.00	±1.00
1.23	1.22	1.17	1.25	1.22	1.18	0.14	0.00	0.07	±1.00
1.69	1.68	1.61	1.71	1.69	1.62	0.10	0.05	0.05	±1.00
2.26	2.23	2.14	2.27	2.25	2.17	0.04	0.08	0.12	±0.20
3.02	2.99	2.86	3.04	3.00	2.88	0.06	0.03	0.06	±0.20
4.10	4.06	3.89	4.10	4.07	3.89	0.00	0.02	0.00	±0.20
5.54	5.50	5.26	5.55	5.52	5.26	0.02	0.03	0.00	±0.20
7.46	7.39	7.08	7.45	7.43	7.07	−0.01	0.05	−0.01	±0.20
9.95	9.88	9.46	9.96	9.91	9.45	0.01	0.03	−0.01	±0.20
13.4	13.3	12.8	13.4	13.4	12.8	0.00	0.07	0.00	±0.20
18.1	18.0	17.2	18.1	18.1	17.2	0.00	0.05	0.00	±0.20
24.5	24.3	23.2	24.5	24.4	23.3	0.00	0.04	0.04	±0.20
32.6	32.5	31.0	32.8	32.6	31.2	0.05	0.03	0.06	±0.20
44.1	43.9	41.9	44.3	44.1	42.1	0.04	0.04	0.04	±0.20
59.6	59.4	56.7	60.0	59.8	57.1	0.06	0.06	0.06	±0.20
82.2	81.7	78.1	81.8	81.5	77.8	−0.04	−0.02	−0.03	±0.20
108	107	102	107	107	102	−0.08	0.00	0.00	±0.20
148	147	141	147	147	140	−0.06	0.00	−0.06	±0.20
205	205	195	205	204	195	0.00	−0.04	0.00	±0.20
285	284	271	286	279	272	0.03	−0.15	0.03	±0.20
422	420	401	415	415	394	−0.15	−0.10	−0.15	±0.20
584	582	555	577	578	549	−0.10	−0.06	−0.09	±0.20
875	872	831	875	876	831	0.00	0.04	0.00	±0.20
1330	1320	1260	1350	1350	1280	0.13	0.20	0.14	±0.30
1820	1810	1730	1860	1860	1770	0.19	0.24	0.20	±0.30
2990	2970	2830	3100	3090	2940	0.31	0.34	0.33	±0.40
3650	3620	3460	3800	3790	3600	0.35	0.40	0.34	±0.50

SPEAG H-field linearity tolerance criteria[1]:
- ±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%).

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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
0.320	0.200	0.080	0.320	0.200	0.090	0.00	0.00	1.02	±5.00	±5.00	±5.00
0.430	0.270	0.110	0.440	0.280	0.150	0.20	0.32	2.69	±5.00	±5.00	±5.00
0.590	0.370	0.150	0.610	0.370	0.160	0.29	0.00	0.56	±5.00	±5.00	±5.00
0.770	0.480	0.190	0.780	0.490	0.220	0.11	0.18	1.27	±5.00	±5.00	±5.00
1.04	0.650	0.260	1.05	0.650	0.250	0.08	0.00	−0.34	±5.00	±5.00	±5.00
1.43	0.900	0.360	1.44	0.910	0.380	0.06	0.10	0.47	±5.00	±5.00	±5.00
1.91	1.20	0.480	1.93	1.20	0.480	0.09	0.00	0.00	±5.00	±5.00	±5.00
2.55	1.60	0.640	2.56	1.60	0.640	0.03	0.00	0.00	±1.00	±5.00	±5.00
3.46	2.18	0.870	3.49	2.16	0.880	0.07	−0.08	0.10	±1.00	±1.00	±5.00
4.68	2.94	1.17	4.71	2.93	1.16	0.06	−0.03	−0.07	±1.00	±1.00	±5.00
6.30	3.96	1.58	6.34	3.96	1.55	0.05	0.00	−0.17	±1.00	±1.00	±5.00
8.42	5.29	2.11	8.44	5.25	2.05	0.02	−0.07	−0.25	±1.00	±1.00	±1.00
11.4	7.15	2.85	11.4	7.10	2.80	0.00	−0.06	−0.15	±1.00	±1.00	±1.00
15.3	9.64	3.84	15.4	9.60	3.78	0.06	−0.04	−0.14	±1.00	±1.00	±1.00
20.7	13.0	5.19	20.8	12.9	5.08	0.04	−0.07	−0.19	±1.00	±1.00	±1.00
27.7	17.4	6.92	27.9	17.4	6.84	0.06	0.00	−0.10	±1.00	±1.00	±1.00
37.4	23.5	9.35	37.7	23.5	9.24	0.07	0.00	−0.10	±1.00	±1.00	±1.00
50.7	31.8	12.7	51.1	31.8	12.6	0.07	0.00	−0.07	±1.00	±1.00	±1.00
69.7	43.8	17.4	69.6	43.4	17.0	−0.01	−0.08	−0.20	±1.00	±1.00	±1.00
91.3	57.4	22.8	91.2	56.8	22.4	−0.01	−0.09	−0.15	±1.00	±1.00	±1.00
125	78.8	31.4	125	78.1	30.8	0.00	−0.08	−0.17	±1.00	±1.00	±1.00
174	110	43.6	174	109	42.8	0.00	−0.08	−0.16	±1.00	±1.00	±1.00
242	152	60.4	244	152	59.8	0.07	0.00	−0.09	±1.00	±1.00	±1.00
358	225	89.5	347	216	89.0	−0.27	−0.35	−0.05	±1.00	±1.00	±1.00
496	312	124	484	301	124	−0.21	−0.31	0.00	±1.00	±1.00	±1.00
743	467	186	735	457	188	−0.09	−0.19	0.09	±1.00	±1.00	±1.00
1130	710	282	1130	704	290	0.00	−0.07	0.24	±1.00	±1.00	±1.00
1540	970	386	1570	973	401	0.17	0.03	0.33	±1.00	±1.00	±1.00
2530	1590	633	2610	1620	637	0.27	0.16	0.05	±1.00	±1.00	±1.00
3090	1940	773	3200	1980	782	0.30	0.18	0.10	±1.00	±1.00	±1.00

SPEAG E-field linearity tolerance criteria[1]:
±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%).

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Frequency Response

Frequency Response, H-field, Channel 0

	H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			
f/(Hz)	x	y	z	x	y	z	x	y	z	Tolerance/(dB)
3000	1.47	1.47	1.47	1.47	1.46	1.47	0.00	−0.06	0.00	±0.3
3200	1.47	1.47	1.47	1.47	1.45	1.48	0.00	−0.12	0.06	±0.3
4000	1.46	1.46	1.46	1.46	1.46	1.46	0.00	0.00	0.00	±0.3
5200	1.45	1.45	1.45	1.45	1.44	1.45	0.00	−0.06	0.00	±0.3
6600	1.44	1.44	1.43	1.44	1.43	1.43	0.00	−0.06	0.00	±0.3
8200	1.43	1.42	1.42	1.42	1.43	1.43	−0.06	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.30	4.22	4.18	0.08	0.06	−0.02	±0.3
13400	4.26	4.21	4.21	4.26	4.21	4.22	0.00	0.00	0.02	±0.3
17000	4.26	4.21	4.21	4.27	4.22	4.21	0.02	0.02	0.00	±0.3
21400	4.29	4.24	4.23	4.29	4.25	4.23	0.00	0.02	0.00	±0.3
27200	4.29	4.24	4.23	4.30	4.24	4.23	0.02	0.00	0.00	±0.3
34400	4.29	4.25	4.24	4.29	4.25	4.25	0.00	0.00	0.02	±0.3
40000	4.27	4.24	4.24	4.29	4.25	4.25	0.04	0.02	0.02	±0.3
43600	4.27	4.24	4.23	4.29	4.23	4.24	0.04	−0.02	0.02	±0.3
55400	4.26	4.23	4.22	4.27	4.23	4.23	0.02	0.00	0.02	±0.3
70000	4.25	4.22	4.21	4.26	4.22	4.22	0.02	0.00	0.02	±0.3
88800	4.23	4.20	4.20	4.24	4.21	4.20	0.02	0.02	0.00	±0.3
112400	4.22	4.19	4.19	4.23	4.20	4.20	0.02	0.02	0.02	±0.3
142400	4.20	4.17	4.17	4.21	4.18	4.17	0.02	0.02	0.00	±0.3
161750	4.18	4.16	4.15	4.19	4.16	4.15	0.02	0.00	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.15	4.15	0.02	0.00	0.02	±0.3
228400	4.14	4.11	4.11	4.15	4.12	4.11	0.02	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.07	4.04	4.04	0.02	0.00	0.00	±0.3
400000	4.04	4.02	4.02	4.05	4.03	4.02	0.02	0.02	0.00	±0.3
464000	4.01	3.99	3.99	4.02	4.00	3.99	0.02	0.02	0.00	±0.3
587800	3.97	3.95	3.95	3.97	3.95	3.95	0.00	0.00	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.91	3.90	0.00	0.02	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.89	0.02	0.00	0.00	±0.3
1193600	3.88	3.87	3.87	3.89	3.87	3.87	0.02	0.00	0.00	±0.3
1511600	3.87	3.86	3.86	3.88	3.87	3.86	0.02	0.02	0.00	±0.3
1914400	3.85	3.84	3.84	3.86	3.84	3.84	0.02	0.00	0.00	±0.3
2424400	3.84	3.83	3.83	3.84	3.81	3.83	0.00	−0.05	0.00	±0.3
3070200	3.81	3.79	3.79	3.81	3.80	3.79	0.00	0.02	0.00	±0.3
3888000	3.76	3.74	3.74	3.77	3.71	3.74	0.02	−0.07	0.00	±0.3
4000000	3.75	3.73	3.73	3.76	3.72	3.73	0.02	−0.02	0.00	±0.3
4923800	3.68	3.67	3.67	3.69	3.67	3.67	0.02	0.00	0.00	±0.3
6235400	3.58	3.57	3.57	3.58	3.57	3.57	0.00	0.00	0.00	±0.3
7896400	3.43	3.42	3.42	3.44	3.41	3.42	0.03	−0.03	0.00	±0.3
10000000	3.29	3.28	3.28	3.31	3.29	3.23	0.05	0.03	−0.13	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.46	1.47	1.47	−0.06	0.00	0.00	±0.3
3200	1.47	1.47	1.47	1.46	1.45	1.48	−0.06	−0.12	0.06	±0.3
4000	1.46	1.46	1.46	1.47	1.47	1.46	0.06	0.06	0.00	±0.3
5200	1.45	1.45	1.45	1.47	1.45	1.45	0.12	0.00	0.00	±0.3
6600	1.44	1.44	1.43	1.43	1.43	1.43	−0.06	−0.06	0.00	±0.3
8200	1.43	1.42	1.42	1.42	1.43	1.43	−0.06	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.27	4.22	4.20	0.02	0.06	0.02	±0.3
13400	4.26	4.21	4.21	4.26	4.22	4.20	0.00	0.02	−0.02	±0.3
17000	4.26	4.21	4.21	4.27	4.22	4.21	0.02	0.02	0.00	±0.3
21400	4.29	4.24	4.23	4.29	4.23	4.24	0.00	−0.02	0.02	±0.3
27200	4.29	4.24	4.23	4.30	4.26	4.23	0.02	0.04	0.00	±0.3
34400	4.29	4.25	4.24	4.30	4.26	4.25	0.02	0.02	0.02	±0.3
40000	4.27	4.24	4.24	4.29	4.25	4.25	0.04	0.02	0.02	±0.3
43600	4.27	4.24	4.23	4.27	4.24	4.23	0.00	0.00	0.00	±0.3
55400	4.26	4.23	4.22	4.27	4.24	4.22	0.02	0.02	0.00	±0.3
70000	4.25	4.22	4.21	4.27	4.23	4.22	0.04	0.02	0.02	±0.3
88800	4.23	4.20	4.20	4.25	4.21	4.20	0.04	0.02	0.00	±0.3
112400	4.22	4.19	4.19	4.24	4.20	4.19	0.04	0.02	0.00	±0.3
142400	4.20	4.17	4.17	4.22	4.18	4.18	0.04	0.02	0.02	±0.3
161750	4.18	4.16	4.15	4.20	4.16	4.16	0.04	0.00	0.02	±0.3
180400	4.17	4.15	4.14	4.18	4.15	4.14	0.02	0.00	0.00	±0.3
228400	4.14	4.11	4.11	4.15	4.12	4.11	0.02	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.07	0.02	0.00	−0.02	±0.3
366400	4.06	4.04	4.04	4.07	4.04	4.04	0.02	0.00	0.00	±0.3
400000	4.04	4.02	4.02	4.05	4.02	4.02	0.02	0.00	0.00	±0.3
464000	4.01	3.99	3.99	4.02	3.99	3.99	0.02	0.00	0.00	±0.3
587800	3.97	3.95	3.95	3.98	3.95	3.94	0.02	0.00	−0.02	±0.3
744200	3.92	3.90	3.90	3.92	3.90	3.90	0.00	0.00	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.89	0.02	0.00	0.00	±0.3
1193600	3.88	3.87	3.87	3.89	3.87	3.87	0.02	0.00	0.00	±0.3
1511600	3.87	3.86	3.86	3.88	3.86	3.86	0.02	0.00	0.00	±0.3
1914400	3.85	3.84	3.84	3.87	3.85	3.84	0.05	0.02	0.00	±0.3
2424400	3.84	3.83	3.83	3.85	3.83	3.83	0.02	0.00	0.00	±0.3
3070200	3.81	3.79	3.79	3.82	3.79	3.78	0.02	0.00	−0.02	±0.3
3888000	3.76	3.74	3.74	3.76	3.74	3.74	0.00	0.00	0.00	±0.3
4000000	3.75	3.73	3.73	3.76	3.72	3.73	0.02	−0.02	0.00	±0.3
4923800	3.68	3.67	3.67	3.70	3.67	3.66	0.05	0.00	−0.02	±0.3
6235400	3.58	3.57	3.57	3.58	3.57	3.59	0.00	0.00	0.05	±0.3
7896400	3.43	3.42	3.42	3.44	3.42	3.41	0.03	0.00	−0.03	±0.3
10000000	3.29	3.28	3.28	3.31	3.27	3.26	0.05	−0.03	−0.05	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.47	1.48	1.47	0.00	0.06	0.00	±0.3
3200	1.47	1.47	1.47	1.47	1.45	1.48	0.00	−0.12	0.06	±0.3
4000	1.46	1.46	1.46	1.46	1.46	1.46	0.00	0.00	0.00	±0.3
5200	1.45	1.45	1.45	1.46	1.45	1.45	0.06	0.00	0.00	±0.3
6600	1.44	1.44	1.43	1.44	1.44	1.43	0.00	0.00	0.00	±0.3
8200	1.43	1.42	1.42	1.42	1.43	1.43	−0.06	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.29	4.17	4.18	0.06	−0.04	−0.02	±0.3
13400	4.26	4.21	4.21	4.27	4.21	4.19	0.02	0.00	−0.04	±0.3
17000	4.26	4.21	4.21	4.27	4.22	4.21	0.02	0.02	0.00	±0.3
21400	4.29	4.24	4.23	4.26	4.24	4.23	−0.06	0.00	0.00	±0.3
27200	4.29	4.24	4.23	4.29	4.24	4.24	0.00	0.00	0.02	±0.3
34400	4.29	4.25	4.24	4.29	4.25	4.25	0.00	0.00	0.02	±0.3
40000	4.27	4.24	4.24	4.29	4.25	4.25	0.04	0.02	0.02	±0.3
43600	4.27	4.24	4.23	4.28	4.24	4.24	0.02	0.00	0.02	±0.3
55400	4.26	4.23	4.22	4.26	4.23	4.23	0.00	0.00	0.02	±0.3
70000	4.25	4.22	4.21	4.25	4.22	4.21	0.00	0.00	0.00	±0.3
88800	4.23	4.20	4.20	4.24	4.21	4.20	0.02	0.02	0.00	±0.3
112400	4.22	4.19	4.19	4.22	4.20	4.19	0.00	0.02	0.00	±0.3
142400	4.20	4.17	4.17	4.20	4.18	4.18	0.00	0.02	0.02	±0.3
161750	4.18	4.16	4.15	4.18	4.16	4.15	0.00	0.00	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.15	4.15	0.02	0.00	0.02	±0.3
228400	4.14	4.11	4.11	4.14	4.12	4.11	0.00	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.06	4.04	4.04	0.00	0.00	0.00	±0.3
400000	4.04	4.02	4.02	4.04	4.03	4.02	0.00	0.02	0.00	±0.3
464000	4.01	3.99	3.99	4.02	4.00	3.99	0.02	0.02	0.00	±0.3
587800	3.97	3.95	3.95	3.97	3.95	3.95	0.00	0.00	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.91	3.90	0.00	0.02	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.90	3.89	0.02	0.02	0.00	±0.3
1193600	3.88	3.87	3.87	3.88	3.87	3.87	0.00	0.00	0.00	±0.3
1511600	3.87	3.86	3.86	3.88	3.87	3.86	0.02	0.02	0.00	±0.3
1914400	3.85	3.84	3.84	3.86	3.84	3.84	0.02	0.00	0.00	±0.3
2424400	3.84	3.83	3.83	3.84	3.82	3.83	0.00	−0.02	0.00	±0.3
3070200	3.81	3.79	3.79	3.81	3.80	3.78	0.00	0.02	−0.02	±0.3
3888000	3.76	3.74	3.74	3.76	3.73	3.74	0.00	−0.02	0.00	±0.3
4000000	3.75	3.73	3.73	3.76	3.73	3.73	0.02	0.00	0.00	±0.3
4923800	3.68	3.67	3.67	3.69	3.67	3.66	0.02	0.00	−0.02	±0.3
6235400	3.58	3.57	3.57	3.58	3.57	3.58	0.00	0.00	0.02	±0.3
7896400	3.43	3.42	3.42	3.43	3.41	3.42	0.00	−0.03	0.00	±0.3
10000000	3.29	3.28	3.28	3.27	3.28	3.24	−0.05	0.00	−0.11	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.47	1.48	1.47	0.00	0.06	0.00	±0.3
3200	1.47	1.47	1.47	1.46	1.45	1.48	−0.06	−0.12	0.06	±0.3
4000	1.46	1.46	1.46	1.46	1.46	1.46	0.00	0.00	0.00	±0.3
5200	1.45	1.45	1.45	1.46	1.45	1.46	0.06	0.00	0.06	±0.3
6600	1.44	1.44	1.43	1.44	1.43	1.43	0.00	−0.06	0.00	±0.3
8200	1.43	1.42	1.42	1.41	1.43	1.43	−0.12	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.25	4.21	4.19	−0.02	0.04	0.00	±0.3
13400	4.26	4.21	4.21	4.26	4.22	4.21	0.00	0.02	0.00	±0.3
17000	4.26	4.21	4.21	4.25	4.21	4.20	−0.02	0.00	−0.02	±0.3
21400	4.29	4.24	4.23	4.29	4.24	4.25	0.00	0.00	0.04	±0.3
27200	4.29	4.24	4.23	4.31	4.24	4.23	0.04	0.00	0.00	±0.3
34400	4.29	4.25	4.24	4.30	4.25	4.25	0.02	0.00	0.02	±0.3
40000	4.27	4.24	4.24	4.30	4.25	4.25	0.06	0.02	0.02	±0.3
43600	4.27	4.24	4.23	4.27	4.24	4.25	0.00	0.00	0.04	±0.3
55400	4.26	4.23	4.22	4.27	4.23	4.23	0.02	0.00	0.02	±0.3
70000	4.25	4.22	4.21	4.25	4.22	4.22	0.00	0.00	0.02	±0.3
88800	4.23	4.20	4.20	4.25	4.22	4.20	0.04	0.04	0.00	±0.3
112400	4.22	4.19	4.19	4.23	4.21	4.19	0.02	0.04	0.00	±0.3
142400	4.20	4.17	4.17	4.21	4.18	4.18	0.02	0.02	0.02	±0.3
161750	4.18	4.16	4.15	4.19	4.17	4.16	0.02	0.02	0.02	±0.3
180400	4.17	4.15	4.14	4.18	4.15	4.15	0.02	0.00	0.02	±0.3
228400	4.14	4.11	4.11	4.14	4.12	4.11	0.00	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.06	4.05	4.04	0.00	0.02	0.00	±0.3
400000	4.04	4.02	4.02	4.06	4.02	4.02	0.04	0.00	0.00	±0.3
464000	4.01	3.99	3.99	4.02	3.99	3.99	0.02	0.00	0.00	±0.3
587800	3.97	3.95	3.95	3.97	3.96	3.95	0.00	0.02	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.91	3.90	0.00	0.02	0.00	±0.3
942600	3.90	3.89	3.89	3.90	3.90	3.89	0.00	0.02	0.00	±0.3
1193600	3.88	3.87	3.87	3.88	3.87	3.87	0.00	0.00	0.00	±0.3
1511600	3.87	3.86	3.86	3.88	3.85	3.86	0.02	−0.02	0.00	±0.3
1914400	3.85	3.84	3.84	3.86	3.85	3.84	0.02	0.02	0.00	±0.3
2424400	3.84	3.83	3.83	3.85	3.84	3.82	0.02	0.02	−0.02	±0.3
3070200	3.81	3.79	3.79	3.81	3.79	3.78	0.00	0.00	−0.02	±0.3
3888000	3.76	3.74	3.74	3.76	3.75	3.74	0.00	0.02	0.00	±0.3
4000000	3.75	3.73	3.73	3.76	3.73	3.73	0.02	0.00	0.00	±0.3
4923800	3.68	3.67	3.67	3.69	3.67	3.65	0.02	0.00	−0.05	±0.3
6235400	3.58	3.57	3.57	3.58	3.56	3.57	0.00	−0.02	0.00	±0.3
7896400	3.43	3.42	3.42	3.43	3.42	3.42	0.00	0.00	0.00	±0.3
10000000	3.29	3.28	3.28	3.32	3.27	3.23	0.08	−0.03	−0.13	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.47	1.48	1.46	0.00	0.06	−0.06	±0.3
3200	1.47	1.47	1.47	1.47	1.45	1.48	0.00	−0.12	0.06	±0.3
4000	1.46	1.46	1.46	1.47	1.46	1.47	0.06	0.00	0.06	±0.3
5200	1.45	1.45	1.45	1.46	1.45	1.45	0.06	0.00	0.00	±0.3
6600	1.44	1.44	1.43	1.44	1.44	1.43	0.00	0.00	0.00	±0.3
8200	1.43	1.42	1.42	1.42	1.42	1.43	−0.06	0.00	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.43	0.00	0.00	0.06	±0.3
10600	4.26	4.19	4.19	4.28	4.20	4.22	0.04	0.02	0.06	±0.3
13400	4.26	4.21	4.21	4.25	4.23	4.21	−0.02	0.04	0.00	±0.3
17000	4.26	4.21	4.21	4.26	4.22	4.22	0.00	0.02	0.02	±0.3
21400	4.29	4.24	4.23	4.27	4.24	4.24	−0.04	0.00	0.02	±0.3
27200	4.29	4.24	4.23	4.29	4.23	4.24	0.00	−0.02	0.02	±0.3
34400	4.29	4.25	4.24	4.29	4.26	4.25	0.00	0.02	0.02	±0.3
40000	4.27	4.24	4.24	4.29	4.24	4.25	0.04	0.00	0.02	±0.3
43600	4.27	4.24	4.23	4.29	4.23	4.24	0.04	−0.02	0.02	±0.3
55400	4.26	4.23	4.22	4.27	4.22	4.22	0.02	−0.02	0.00	±0.3
70000	4.25	4.22	4.21	4.25	4.23	4.22	0.00	0.02	0.02	±0.3
88800	4.23	4.20	4.20	4.24	4.21	4.21	0.02	0.02	0.02	±0.3
112400	4.22	4.19	4.19	4.22	4.20	4.19	0.00	0.02	0.00	±0.3
142400	4.20	4.17	4.17	4.21	4.18	4.18	0.02	0.02	0.02	±0.3
161750	4.18	4.16	4.15	4.19	4.17	4.15	0.02	0.02	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.15	4.15	0.02	0.00	0.02	±0.3
228400	4.14	4.11	4.11	4.15	4.12	4.11	0.02	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.06	4.05	4.04	0.00	0.02	0.00	±0.3
400000	4.04	4.02	4.02	4.04	4.02	4.02	0.00	0.00	0.00	±0.3
464000	4.01	3.99	3.99	4.02	3.99	3.99	0.02	0.00	0.00	±0.3
587800	3.97	3.95	3.95	3.97	3.96	3.95	0.00	0.02	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.90	3.90	0.00	0.00	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.89	0.02	0.00	0.00	±0.3
1193600	3.88	3.87	3.87	3.89	3.87	3.87	0.02	0.00	0.00	±0.3
1511600	3.87	3.86	3.86	3.88	3.86	3.86	0.02	0.00	0.00	±0.3
1914400	3.85	3.84	3.84	3.87	3.84	3.84	0.05	0.00	0.00	±0.3
2424400	3.84	3.83	3.83	3.85	3.82	3.83	0.02	−0.02	0.00	±0.3
3070200	3.81	3.79	3.79	3.81	3.79	3.78	0.00	0.00	−0.02	±0.3
3888000	3.76	3.74	3.74	3.76	3.73	3.74	0.00	−0.02	0.00	±0.3
4000000	3.75	3.73	3.73	3.75	3.72	3.73	0.00	−0.02	0.00	±0.3
4923800	3.68	3.67	3.67	3.70	3.67	3.66	0.05	0.00	−0.02	±0.3
6235400	3.58	3.57	3.57	3.58	3.57	3.60	0.00	0.00	0.07	±0.3
7896400	3.43	3.42	3.42	3.44	3.42	3.42	0.03	0.00	0.00	±0.3
10000000	3.29	3.28	3.28	3.30	3.23	3.29	0.03	−0.13	0.03	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.47	1.47	1.47	0.00	0.00	0.00	±0.3
3200	1.47	1.47	1.47	1.47	1.46	1.48	0.00	−0.06	0.06	±0.3
4000	1.46	1.46	1.46	1.46	1.46	1.45	0.00	0.00	−0.06	±0.3
5200	1.45	1.45	1.45	1.46	1.44	1.44	0.06	−0.06	−0.06	±0.3
6600	1.44	1.44	1.43	1.44	1.44	1.43	0.00	0.00	0.00	±0.3
8200	1.43	1.42	1.42	1.41	1.43	1.43	−0.12	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.29	4.20	4.19	0.06	0.02	0.00	±0.3
13400	4.26	4.21	4.21	4.28	4.21	4.21	0.04	0.00	0.00	±0.3
17000	4.26	4.21	4.21	4.28	4.23	4.20	0.04	0.04	−0.02	±0.3
21400	4.29	4.24	4.23	4.29	4.24	4.23	0.00	0.00	0.00	±0.3
27200	4.29	4.24	4.23	4.29	4.24	4.23	0.00	0.00	0.00	±0.3
34400	4.29	4.25	4.24	4.30	4.25	4.24	0.02	0.00	0.00	±0.3
40000	4.27	4.24	4.24	4.29	4.25	4.24	0.04	0.02	0.00	±0.3
43600	4.27	4.24	4.23	4.27	4.23	4.23	0.00	−0.02	0.00	±0.3
55400	4.26	4.23	4.22	4.27	4.22	4.23	0.02	−0.02	0.02	±0.3
70000	4.25	4.22	4.21	4.27	4.22	4.22	0.04	0.00	0.02	±0.3
88800	4.23	4.20	4.20	4.24	4.21	4.20	0.02	0.02	0.00	±0.3
112400	4.22	4.19	4.19	4.23	4.19	4.19	0.02	0.00	0.00	±0.3
142400	4.20	4.17	4.17	4.21	4.18	4.17	0.02	0.02	0.00	±0.3
161750	4.18	4.16	4.15	4.19	4.16	4.15	0.02	0.00	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.14	4.14	0.02	−0.02	0.00	±0.3
228400	4.14	4.11	4.11	4.15	4.12	4.11	0.02	0.02	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.07	4.04	4.04	0.02	0.00	0.00	±0.3
400000	4.04	4.02	4.02	4.04	4.01	4.02	0.00	−0.02	0.00	±0.3
464000	4.01	3.99	3.99	4.02	3.99	3.99	0.02	0.00	0.00	±0.3
587800	3.97	3.95	3.95	3.98	3.95	3.95	0.02	0.00	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.90	3.90	0.00	0.00	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.89	0.02	0.00	0.00	±0.3
1193600	3.88	3.87	3.87	3.88	3.87	3.86	0.00	0.00	−0.02	±0.3
1511600	3.87	3.86	3.86	3.87	3.86	3.86	0.00	0.00	0.00	±0.3
1914400	3.85	3.84	3.84	3.88	3.84	3.84	0.07	0.00	0.00	±0.3
2424400	3.84	3.83	3.83	3.86	3.83	3.82	0.05	0.00	−0.02	±0.3
3070200	3.81	3.79	3.79	3.82	3.80	3.78	0.02	0.02	−0.02	±0.3
3888000	3.76	3.74	3.74	3.76	3.74	3.74	0.00	0.00	0.00	±0.3
4000000	3.75	3.73	3.73	3.75	3.74	3.73	0.00	0.02	0.00	±0.3
4923800	3.68	3.67	3.67	3.70	3.66	3.66	0.05	−0.02	−0.02	±0.3
6235400	3.58	3.57	3.57	3.58	3.56	3.60	0.00	−0.02	0.07	±0.3
7896400	3.43	3.42	3.42	3.44	3.42	3.41	0.03	0.00	−0.03	±0.3
10000000	3.29	3.28	3.28	3.30	3.26	3.29	0.03	−0.05	0.03	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.44	1.47	1.45	−0.18	0.00	−0.12	±0.3
3200	1.47	1.47	1.47	1.47	1.45	1.47	0.00	−0.12	0.00	±0.3
4000	1.46	1.46	1.46	1.46	1.47	1.47	0.00	0.06	0.06	±0.3
5200	1.45	1.45	1.45	1.46	1.45	1.45	0.06	0.00	0.00	±0.3
6600	1.44	1.44	1.43	1.44	1.43	1.43	0.00	−0.06	0.00	±0.3
8200	1.43	1.42	1.42	1.43	1.43	1.43	0.00	0.06	0.06	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.30	4.18	4.20	0.08	−0.02	0.02	±0.3
13400	4.26	4.21	4.21	4.28	4.21	4.21	0.04	0.00	0.00	±0.3
17000	4.26	4.21	4.21	4.27	4.21	4.21	0.02	0.00	0.00	±0.3
21400	4.29	4.24	4.23	4.29	4.24	4.25	0.00	0.00	0.04	±0.3
27200	4.29	4.24	4.23	4.30	4.24	4.24	0.02	0.00	0.02	±0.3
34400	4.29	4.25	4.24	4.30	4.25	4.24	0.02	0.00	0.00	±0.3
40000	4.27	4.24	4.24	4.29	4.24	4.24	0.04	0.00	0.00	±0.3
43600	4.27	4.24	4.23	4.29	4.25	4.22	0.04	0.02	−0.02	±0.3
55400	4.26	4.23	4.22	4.27	4.23	4.22	0.02	0.00	0.00	±0.3
70000	4.25	4.22	4.21	4.27	4.22	4.21	0.04	0.00	0.00	±0.3
88800	4.23	4.20	4.20	4.25	4.20	4.21	0.04	0.00	0.02	±0.3
112400	4.22	4.19	4.19	4.23	4.20	4.20	0.02	0.02	0.02	±0.3
142400	4.20	4.17	4.17	4.22	4.17	4.18	0.04	0.00	0.02	±0.3
161750	4.18	4.16	4.15	4.20	4.16	4.15	0.04	0.00	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.16	4.14	0.02	0.02	0.00	±0.3
228400	4.14	4.11	4.11	4.14	4.11	4.11	0.00	0.00	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.07	4.07	0.02	−0.02	−0.02	±0.3
366400	4.06	4.04	4.04	4.07	4.04	4.04	0.02	0.00	0.00	±0.3
400000	4.04	4.02	4.02	4.04	4.02	4.01	0.00	0.00	−0.02	±0.3
464000	4.01	3.99	3.99	4.02	3.99	4.00	0.02	0.00	0.02	±0.3
587800	3.97	3.95	3.95	3.97	3.95	3.95	0.00	0.00	0.00	±0.3
744200	3.92	3.90	3.90	3.92	3.90	3.90	0.00	0.00	0.00	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.89	0.02	0.00	0.00	±0.3
1193600	3.88	3.87	3.87	3.88	3.87	3.86	0.00	0.00	−0.02	±0.3
1511600	3.87	3.86	3.86	3.87	3.87	3.86	0.00	0.02	0.00	±0.3
1914400	3.85	3.84	3.84	3.88	3.85	3.84	0.07	0.02	0.00	±0.3
2424400	3.84	3.83	3.83	3.86	3.84	3.82	0.05	0.02	−0.02	±0.3
3070200	3.81	3.79	3.79	3.81	3.80	3.77	0.00	0.02	−0.05	±0.3
3888000	3.76	3.74	3.74	3.75	3.75	3.74	−0.02	0.02	0.00	±0.3
4000000	3.75	3.73	3.73	3.76	3.75	3.73	0.02	0.05	0.00	±0.3
4923800	3.68	3.67	3.67	3.71	3.67	3.66	0.07	0.00	−0.02	±0.3
6235400	3.58	3.57	3.57	3.57	3.55	3.60	−0.02	−0.05	0.07	±0.3
7896400	3.43	3.42	3.42	3.43	3.42	3.42	0.00	0.00	0.00	±0.3
10000000	3.29	3.28	3.28	3.24	3.28	3.26	−0.13	0.00	−0.05	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 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	1.47	1.47	1.47	1.47	1.48	1.46	0.00	0.06	−0.06	±0.3
3200	1.47	1.47	1.47	1.47	1.46	1.48	0.00	−0.06	0.06	±0.3
4000	1.46	1.46	1.46	1.46	1.46	1.46	0.00	0.00	0.00	±0.3
5200	1.45	1.45	1.45	1.46	1.45	1.45	0.06	0.00	0.00	±0.3
6600	1.44	1.44	1.43	1.44	1.43	1.43	0.00	−0.06	0.00	±0.3
8200	1.43	1.42	1.42	1.42	1.42	1.44	−0.06	0.00	0.12	±0.3
9000	1.42	1.42	1.42	1.42	1.42	1.42	0.00	0.00	0.00	±0.3
10600	4.26	4.19	4.19	4.25	4.19	4.17	−0.02	0.00	−0.04	±0.3
13400	4.26	4.21	4.21	4.27	4.24	4.20	0.02	0.06	−0.02	±0.3
17000	4.26	4.21	4.21	4.25	4.21	4.22	−0.02	0.00	0.02	±0.3
21400	4.29	4.24	4.23	4.29	4.25	4.23	0.00	0.02	0.00	±0.3
27200	4.29	4.24	4.23	4.30	4.24	4.24	0.02	0.00	0.02	±0.3
34400	4.29	4.25	4.24	4.30	4.25	4.25	0.02	0.00	0.02	±0.3
40000	4.27	4.24	4.24	4.29	4.25	4.25	0.04	0.02	0.02	±0.3
43600	4.27	4.24	4.23	4.28	4.24	4.24	0.02	0.00	0.02	±0.3
55400	4.26	4.23	4.22	4.27	4.24	4.22	0.02	0.02	0.00	±0.3
70000	4.25	4.22	4.21	4.25	4.23	4.22	0.00	0.02	0.02	±0.3
88800	4.23	4.20	4.20	4.24	4.21	4.20	0.02	0.02	0.00	±0.3
112400	4.22	4.19	4.19	4.23	4.19	4.19	0.02	0.00	0.00	±0.3
142400	4.20	4.17	4.17	4.20	4.18	4.17	0.00	0.02	0.00	±0.3
161750	4.18	4.16	4.15	4.19	4.16	4.15	0.02	0.00	0.00	±0.3
180400	4.17	4.15	4.14	4.18	4.14	4.14	0.02	−0.02	0.00	±0.3
228400	4.14	4.11	4.11	4.14	4.11	4.11	0.00	0.00	0.00	±0.3
289400	4.10	4.08	4.08	4.11	4.08	4.08	0.02	0.00	0.00	±0.3
366400	4.06	4.04	4.04	4.07	4.04	4.03	0.02	0.00	−0.02	±0.3
400000	4.04	4.02	4.02	4.04	4.01	4.02	0.00	−0.02	0.00	±0.3
464000	4.01	3.99	3.99	4.02	3.98	3.99	0.02	−0.02	0.00	±0.3
587800	3.97	3.95	3.95	3.97	3.95	3.94	0.00	0.00	−0.02	±0.3
744200	3.92	3.90	3.90	3.93	3.91	3.89	0.02	0.02	−0.02	±0.3
942600	3.90	3.89	3.89	3.91	3.89	3.88	0.02	0.00	−0.02	±0.3
1193600	3.88	3.87	3.87	3.88	3.87	3.86	0.00	0.00	−0.02	±0.3
1511600	3.87	3.86	3.86	3.87	3.87	3.85	0.00	0.02	−0.02	±0.3
1914400	3.85	3.84	3.84	3.87	3.85	3.83	0.05	0.02	−0.02	±0.3
2424400	3.84	3.83	3.83	3.85	3.83	3.82	0.02	0.00	−0.02	±0.3
3070200	3.81	3.79	3.79	3.81	3.79	3.75	0.00	0.00	−0.09	±0.3
3888000	3.76	3.74	3.74	3.76	3.74	3.74	0.00	0.00	0.00	±0.3
4000000	3.75	3.73	3.73	3.77	3.74	3.73	0.05	0.02	0.00	±0.3
4923800	3.68	3.67	3.67	3.70	3.67	3.65	0.05	0.00	−0.05	±0.3
6235400	3.58	3.57	3.57	3.57	3.57	3.61	−0.02	0.00	0.10	±0.3
7896400	3.43	3.42	3.42	3.44	3.42	3.41	0.03	0.00	−0.03	±0.3
10000000	3.29	3.28	3.28	3.25	3.26	3.31	−0.11	−0.05	0.08	±0.3

SPEAG H-field frequency response tolerance criteria[1]:
±0.3dB for applied H-fields at calibration points from 3kHz to 10MHz

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Frequency Response, E-field, Channel 0

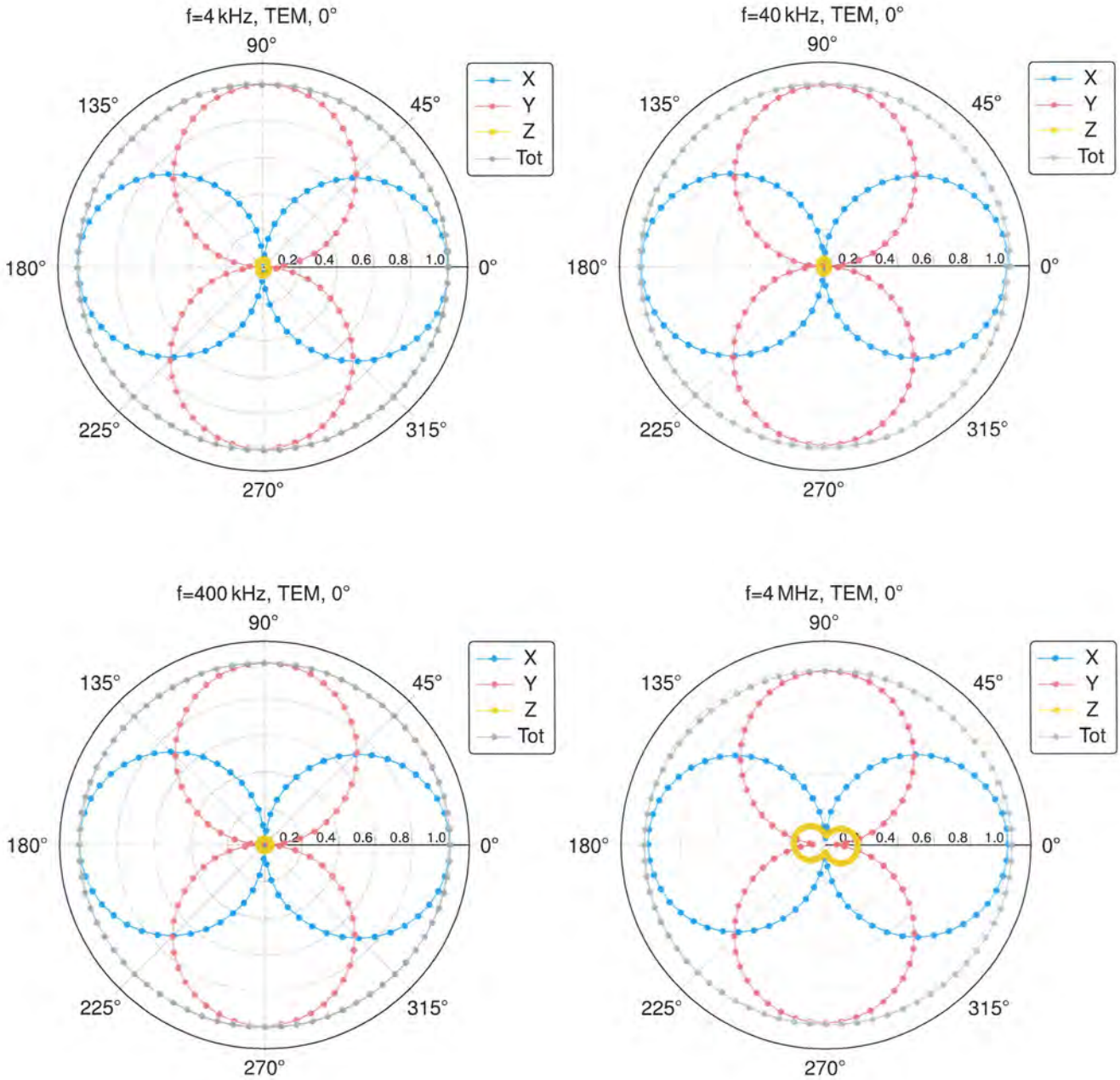
f/(Hz)	E-field/(V/m) Applied			E-field/(V/m) Reading			Difference/(dB)			Tolerance/(dB)
	x	y	z	x	y	z	x	y	z	
3000	169	169	172	169	169	172	0.00	0.00	0.00	±0.3
3200	167	167	162	168	167	164	0.05	0.00	0.11	±0.3
4000	175	175	170	175	175	170	0.00	0.00	0.00	±0.3
5200	165	165	163	165	166	162	0.00	0.05	−0.05	±0.3
6600	163	163	160	163	163	161	0.00	0.00	0.05	±0.3
8200	162	162	159	161	162	158	−0.05	0.00	−0.05	±0.3
9000	163	163	164	163	163	163	0.00	0.00	−0.05	±0.3
10600	166	166	159	166	166	159	0.00	0.00	0.00	±0.3
13400	163	163	162	163	164	162	0.00	0.05	0.00	±0.3
17000	161	161	163	161	161	163	0.00	0.00	0.00	±0.3
21400	157	157	158	157	157	158	0.00	0.00	0.00	±0.3
27200	158	158	157	158	158	157	0.00	0.00	0.00	±0.3
34400	162	162	159	162	162	159	0.00	0.00	0.00	±0.3
40000	161	161	161	161	161	161	0.00	0.00	0.00	±0.3
43600	162	162	160	162	162	160	0.00	0.00	0.00	±0.3
55400	161	161	159	161	161	159	0.00	0.00	0.00	±0.3
70000	162	162	160	162	162	159	0.00	0.00	−0.05	±0.3
88800	161	161	160	161	161	160	0.00	0.00	0.00	±0.3
112400	161	161	160	161	161	160	0.00	0.00	0.00	±0.3
142400	162	162	160	162	162	160	0.00	0.00	0.00	±0.3
161750	163	163	162	163	163	162	0.00	0.00	0.00	±0.3
180400	164	164	162	164	164	162	0.00	0.00	0.00	±0.3
228400	165	165	163	165	165	163	0.00	0.00	0.00	±0.3
289400	166	166	164	165	166	164	−0.05	0.00	0.00	±0.3
366400	166	166	165	166	166	164	0.00	0.00	−0.05	±0.3
400000	167	167	165	167	167	165	0.00	0.00	0.00	±0.3
464000	168	168	166	168	168	166	0.00	0.00	0.00	±0.3
587800	169	169	167	169	169	167	0.00	0.00	0.00	±0.3
744200	169	169	167	169	169	167	0.00	0.00	0.00	±0.3
942600	170	170	168	170	170	168	0.00	0.00	0.00	±0.3
1193600	171	171	169	171	171	169	0.00	0.00	0.00	±0.3
1511600	170	170	169	170	170	168	0.00	0.00	−0.05	±0.3
1914400	170	170	168	170	170	168	0.00	0.00	0.00	±0.3
2424400	170	170	168	170	170	168	0.00	0.00	0.00	±0.3
3070200	171	171	169	170	170	169	−0.05	−0.05	0.00	±0.3
3888000	171	171	169	171	171	169	0.00	0.00	0.00	±0.3
4000000	171	171	169	171	171	169	0.00	0.00	0.00	±0.3
4923800	172	172	170	172	172	170	0.00	0.00	0.00	±0.3
6235400	174	174	172	174	174	172	0.00	0.00	0.00	±0.3
7896400	180	180	179	180	180	178	0.00	0.00	−0.05	±0.3
10000000	201	201	199	200	201	199	−0.04	0.00	0.00	±0.3

SPEAG E-field frequency response tolerance criteria[1]:
±0.3dB for applied E-fields at calibration points from 3kHz to 10MHz

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

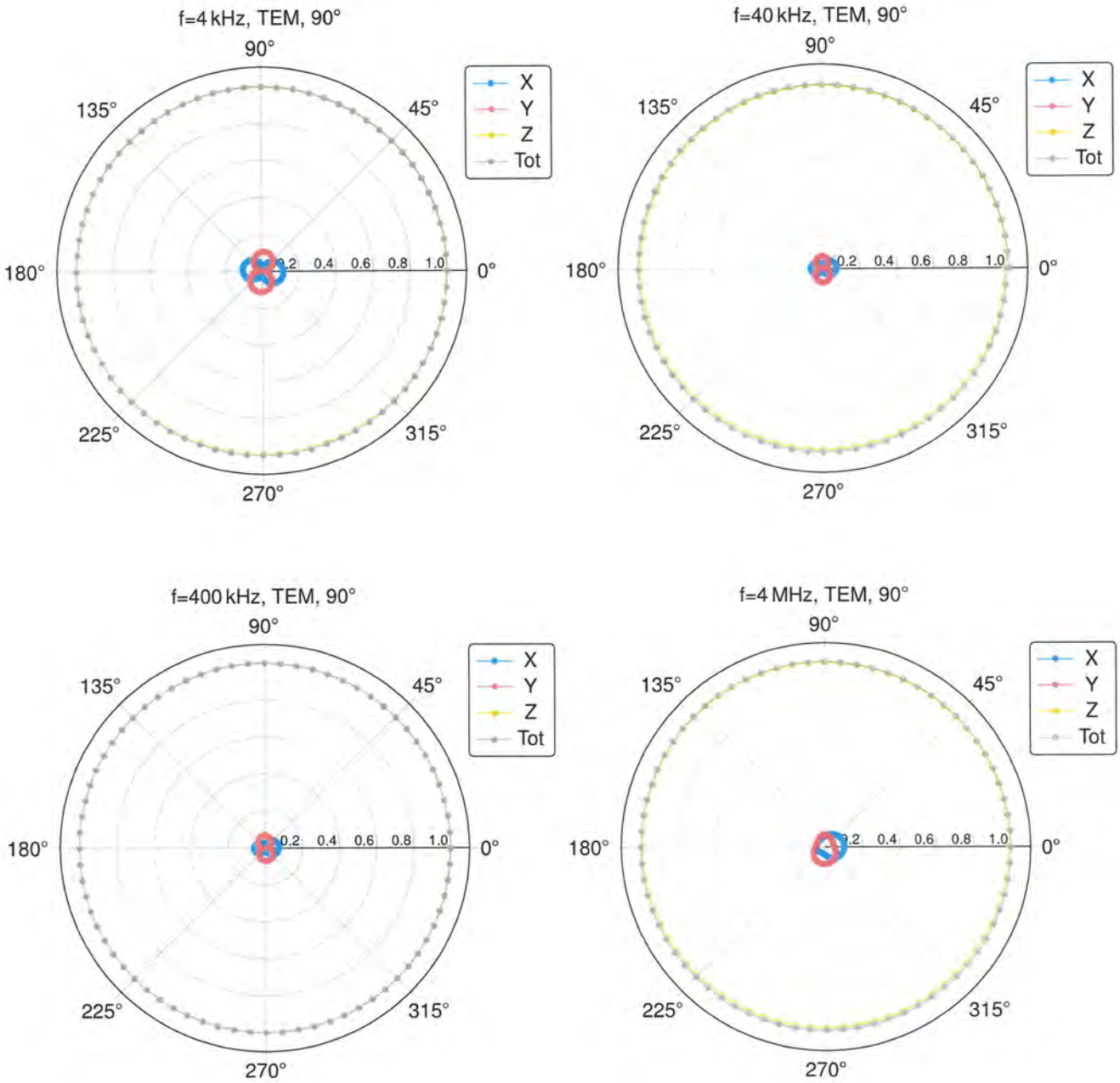
Isotropy H-Field

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



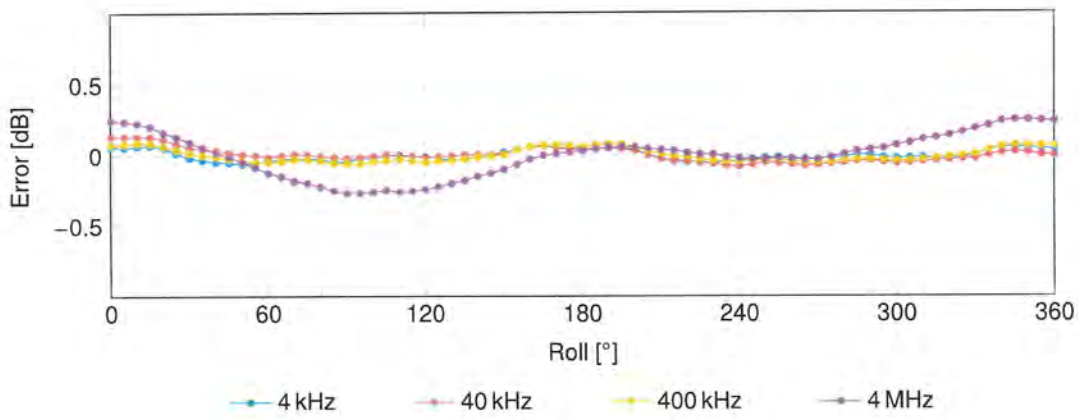
Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

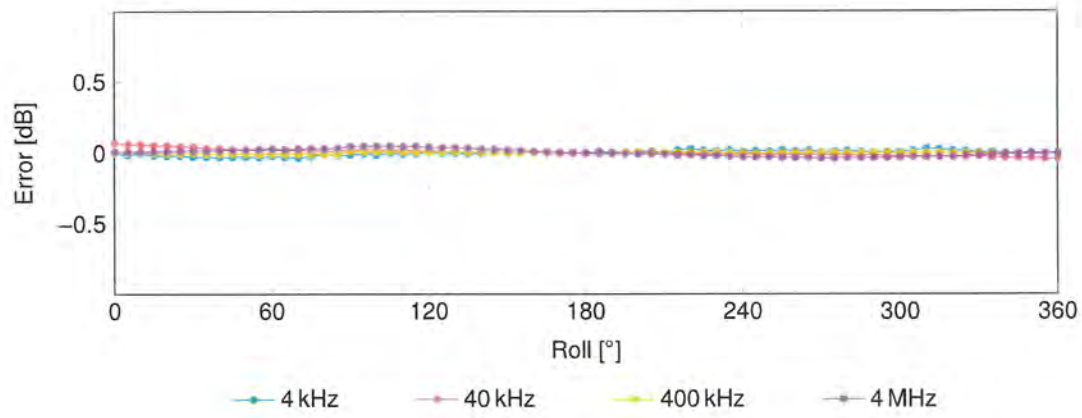


Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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



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

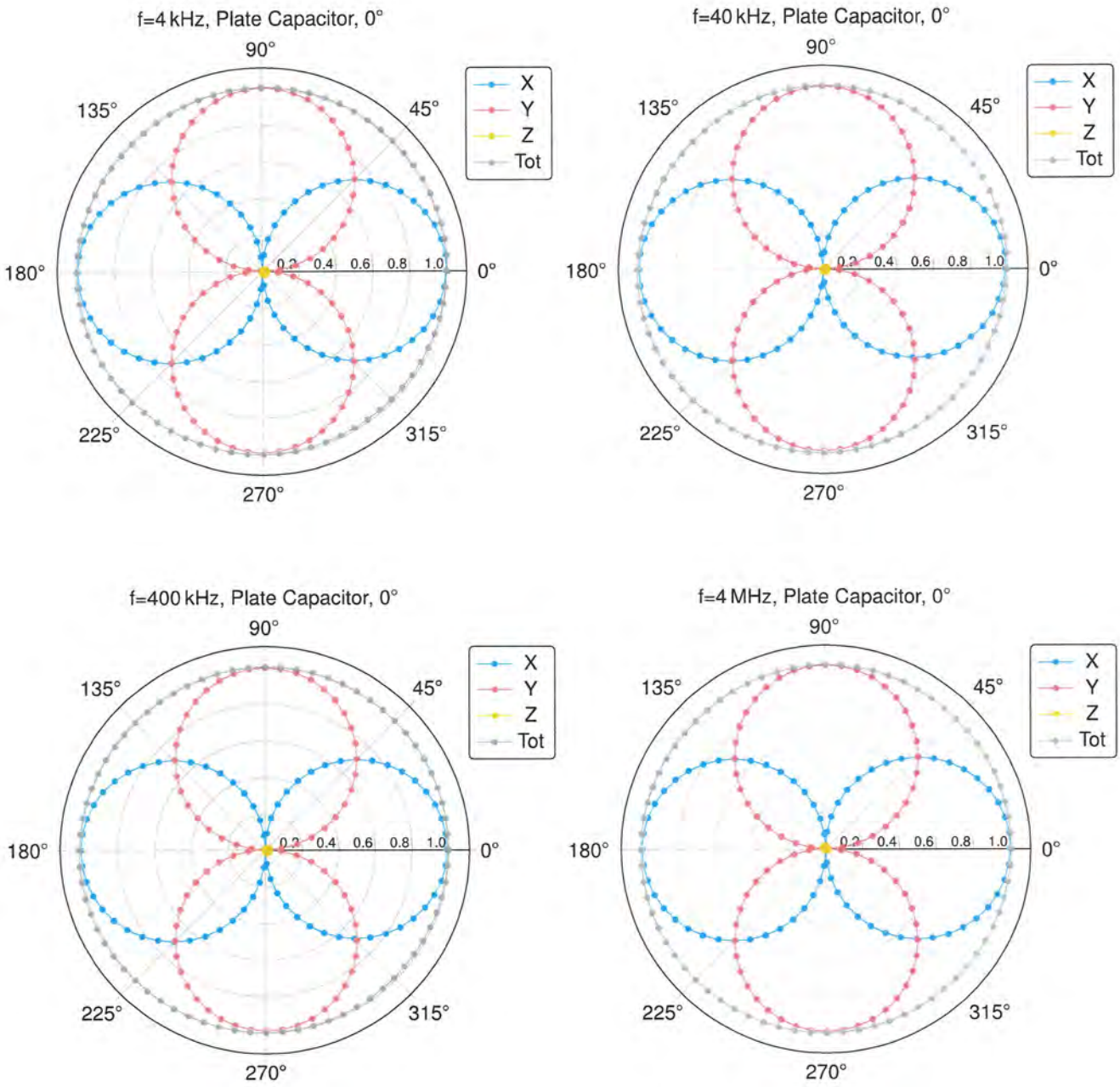


SPEAG axial deviation from the ideal response tolerance for H-field: ±0.6 dB

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

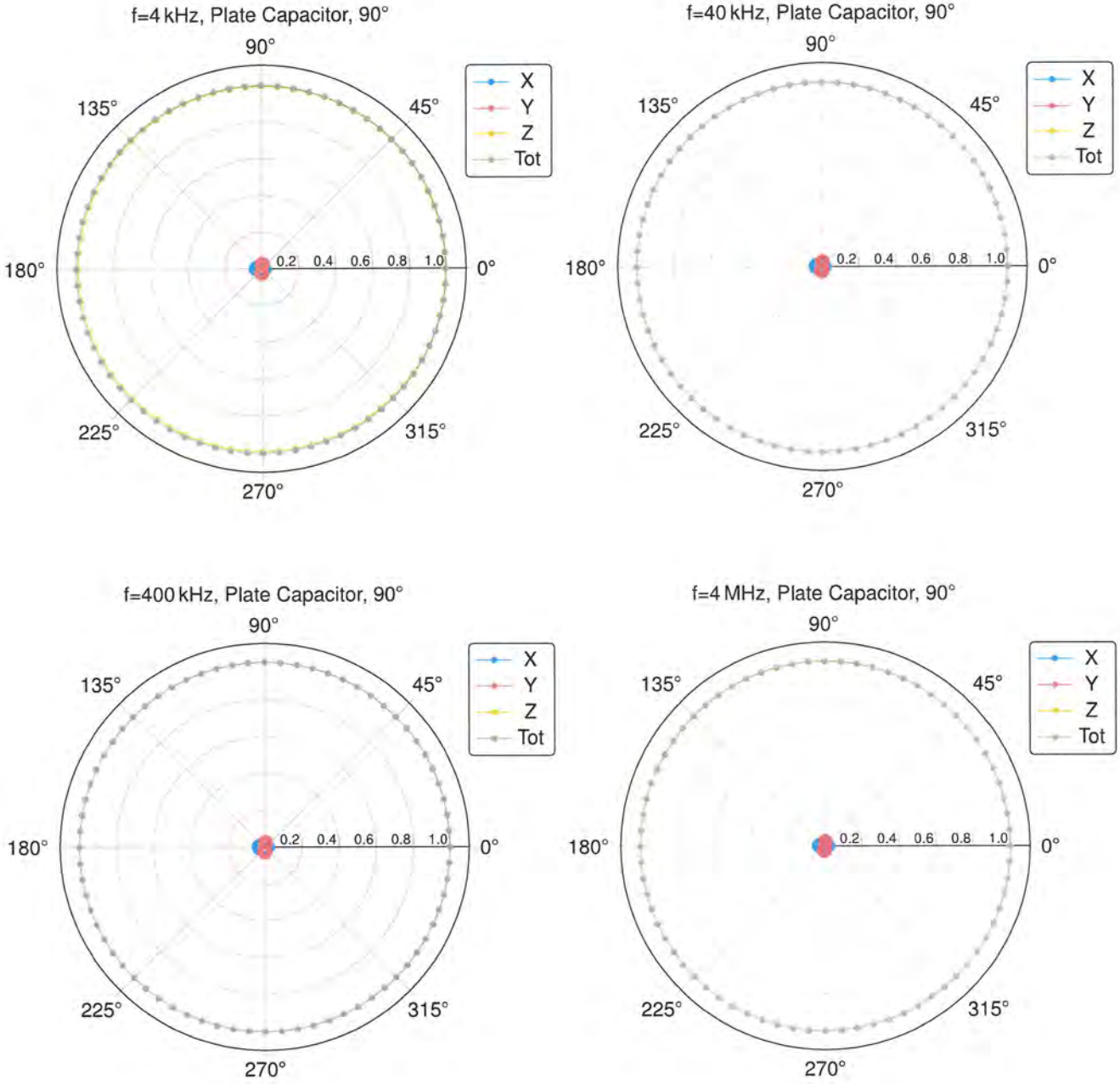
Isotropy E-Field

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



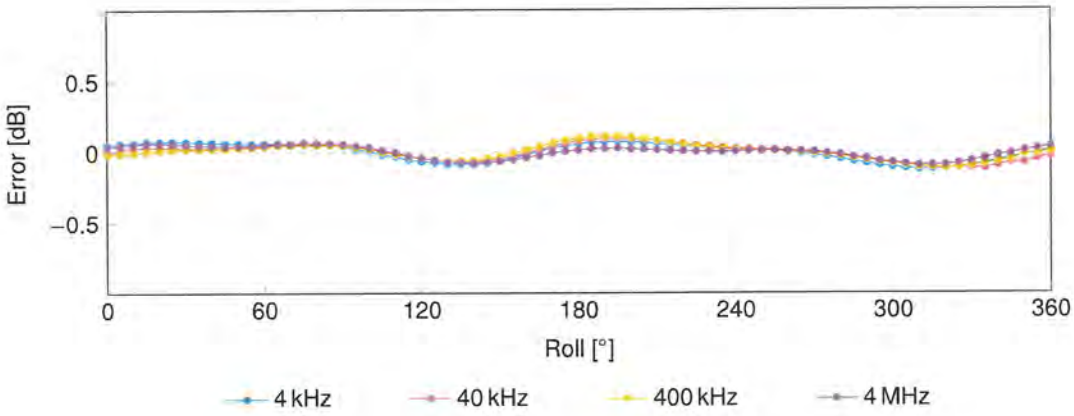
Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

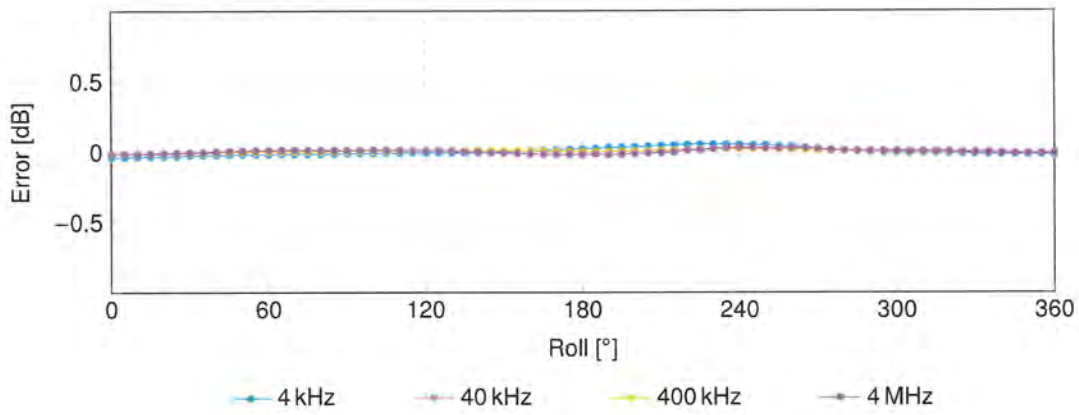


Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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



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



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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

Client	**B.V. ADT** **Taoyuan**	**Certificate No:**	**V-Coil350/85V2-1020_May24**

CALIBRATION CERTIFICATE

Object	V-Coil350/85V2 - SN: 1020
Calibration procedure(s)	QA CAL-47.v13 Calibration Procedure for WPT Verification & Validation Sources
Calibration date:	May 28, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

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

Secondary Standards	ID #	Check Date (in house)	Scheduled Check

	Name	Function	Signature
Calibrated by:	Jingtian Xi	Project Leader	
Approved by:	Sven Kühn	Technical Manager	

Issued: June 11, 2024

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

Glossary:

WPT	wireless power transfer
V&V	verification & validation

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

a) cDASY6/DASY8 Module WPT Manual

Methods Applied and Interpretation of Parameters:

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

Calibrated Quantity

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

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

Measurement Conditions

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

Calibrated Quantities

Distance (relative to source surface) (mm)	Peak H-field (A/m)	Uncertainty (k=2) (dB)
0	204	1.13
2	185	1.13

Appendix (Additional assessments outside the scope of SCS 0108)

Peak values of induced fields[1]

Distance (relative to source surface) (mm)	Induced peak current density, 1cm² area avg. (A/m²)	Induced peak E-field (V/m)			peak spatial SAR (mW/kg)	
		2mm cube avg.	Local	5mm line avg.	1g avg.	10g avg.
0	2.32	3.30	3.33	3.34	6.32	4.71
2	2.19	3.11	3.14	3.15	5.65	4.27

Voltage measurement

Total voltage (V)	Voltages at harmonics (dBc)
0.407	Highest harmonic: -47.4 2nd highest harmonic: -48.2

[1] determined for a virtual half-space phantom with tissue properties ε_r = 55, σ = 0.75 S/m, ρ=1000 kg/m³

Measurement report

cDASY6 Module WPT Measurement Report

Device under test

Info:
V-Coil350/85

Serial number:
1020

Scenario:
source calibration

Tool info

DASY software version:
cDASY6 Module WPT 2.4.0.4346

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000231, *2024/01/10*

Software version:
2.0.49, *backend: 2.2.3*

Scan info

Center location:
x: -48.07 mm, y: -119.85 mm, z: 35.99 mm

Dimensions:
x: 477.0 mm, y: 389.0 mm, z: 36.7 mm

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

Completed on:
2024/05/28 21:59:46

Measurement results

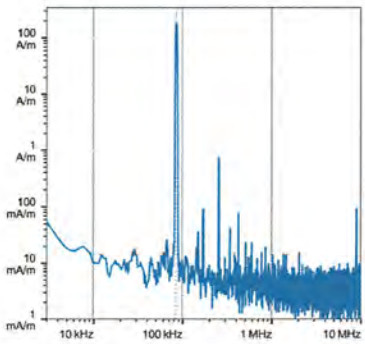
Maximum H-field [RMS]:
MAGNITUDE: 130.81 A/m
x: 107.10 A/m, y: 42.49 A/m, z: 61.93 A/m

Maximum H-field location relative to DUT:
x: -157.67 mm, y: -33.00 mm, z: 8.50 mm

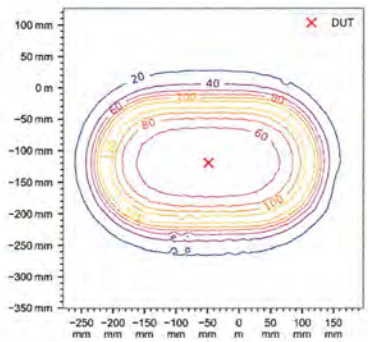
Distance to -20.0 dB boundary:
62.66 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at maximum location



H-field magnitude [RMS] at lowest plane



Incident fields, and induced quantities in the anatomical model (*f = 85.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³*)

Distance [mm]	Peak incident fields [RMS]	Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m², RMS]	psSAR [mW/kg]		H-field extent	Errors		
	H_{inc} [A/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.0	204.0	3.3	3.33	3.34	2.32	6.32	4.71	182.0	1%	99%	36%
2.0	185.0	3.11	3.14	3.15	2.19	5.65	4.27	184.0	1%	99%	38%

Standard compliance evaluation, Absolute

	ICNIRP 2010/2020			ICNIRP 1998			IEEE 2019			FCC			HC Code 6		
	RL [RMS]	BR [RMS]		RL [RMS]	BR [RMS]		ERL [RMS]	DRL [RMS]		MPE [RMS]	BR [RMS]		RL [RMS]	BR [RMS]	
Distance	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR
[mm]	[A/m]	[V/m]	[mW/kg]	[A/m]	[A/m²]	[mW/kg]	[A/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[mW/kg]
0.0	204.0	3.3	4.71	204.0	2.32	4.71	204.0	3.34	4.71	204.0	N/A	6.32	204.0	3.33	6.32
2.0	185.0	3.11	4.27	185.0	2.19	4.27	185.0	3.15	4.27	185.0	N/A	5.65	185.0	3.14	5.65

Standard compliance evaluation, Relative

	ICNIRP 2010/2020 [dB]			ICNIRP 1998 [dB]			IEEE 2019 [dB]			FCC [dB]			HC Code 6 [dB]		
	RL	BR		RL	BR		ERL	DRL		MPE	BR		RL	BR	
Distance [mm]	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR
0.0	19.7	-10.8	-26.3	32.2	22.7	-26.3	1.9	-14.5	-26.3	7.1	N/A	N/A	27.5	-10.7	-24.0
2.0	18.9	-11.3	-26.7	31.4	22.2	-26.7	1.1	-15.0	-26.7	6.3	N/A	N/A	26.7	-11.3	-24.5

Document generated at 2024/05/29 00:56:23, simulation performed at 2024/05/28 22:34:14 using Sim4Life version 7.2.4.14019

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

Client B.V. ADT
Taoyuan

Certificate No: V-Coil50/400V2-1015_May24

CALIBRATION CERTIFICATE

Object	V-Coil50/400V2 - SN: 1015
Calibration procedure(s)	QA CAL-47.v13 Calibration Procedure for WPT Verification & Validation Sources
Calibration date:	May 27, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

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

Secondary Standards	ID #	Check Date (in house)	Scheduled Check

	Name	Function	Signature
Calibrated by:	Jingtian Xi	Project Leader	
Approved by:	Sven Kühn	Technical Manager	i. A.

Issued: June 11, 2024

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

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

Glossary:

WPT	wireless power transfer
V&V	verification & validation

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

a) cDASY6/DASY8 Module WPT Manual

Methods Applied and Interpretation of Parameters:

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

Calibrated Quantity

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

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

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Measurement Conditions

Software version	cDASY6 Module WPT	2.4.0.4346
	Notebook GUI	2.4.0.2
	Sim4Life	7.2.4
Scan setup	Grid dimensions	x: 125 mm, y: 125 mm, z: 36.7 mm
	Grid resolutions	dx, dy, dz: 7.33 mm
Nominal frequency	400 kHz	

Calibrated Quantities

Distance (relative to source surface) (mm)	Peak H-field (A/m)	Uncertainty (k=2) (dB)
0	264	1.13
2	232	1.13

Appendix (Additional assessments outside the scope of SCS 0108)

Peak values of induced fields[1]

Distance (relative to source surface) (mm)	Induced peak current density, 1cm² area avg. (A/m²)	Induced peak E-field (V/m)			peak spatial SAR (mW/kg)	
		2mm cube avg.	Local	5mm line avg.	1g avg.	10g avg.
0	2.67	4.18	4.28	4.29	7.06	3.55
2	2.28	3.61	3.72	3.72	5.19	2.65

Voltage measurement

Total voltage (V)	Voltages at harmonics (dBc)
0.408	Highest harmonic: -33.3 2nd highest harmonic: -39.3

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

Measurement report

cDASY6 Module WPT Measurement Report

Device under test

Info:
V-Coil50/400

Serial number:
1015

Scenario:
source calibration

Tool info

DASY software version:
cDASY6 Module WPT 2.4.0.4346

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000231, *2024/01/10*

Software version:
2.0.49, *backend: 2.2.3*

Scan info

Center location:
x: -186.17 mm, y: -319.37 mm, z: 36.38 mm

Dimensions:
x: 125.0 mm, y: 125.0 mm, z: 36.7 mm

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

Completed on:
2024/05/27 15:03:26

Measurement results

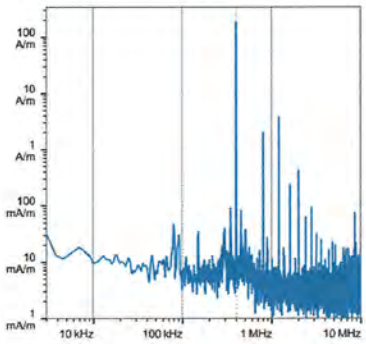
Maximum H-field [RMS]:
MAGNITUDE: 132.28 A/m
x: 19.16 A/m, y: 10.09 A/m, z: 130.49 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 3.67 mm, z: 8.50 mm

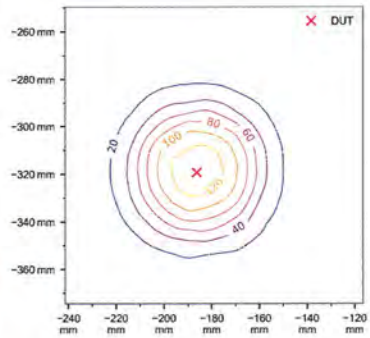
Distance to -20.0 dB boundary:
39.49 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at maximum location



H-field magnitude [RMS] at lowest plane



Incident fields, and induced quantities in the anatomical model *(f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1.000 kg/m³)*

Distance [mm]	Peak incident fields [RMS]	Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m², RMS]	psSAR [mW/kg]		H-field extent	Errors		
	H_{inc} [A/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.0	264.0	4.18	4.28	4.29	2.67	7.06	3.55	39.2	1%	10%	25%
2.0	232.0	3.61	3.72	3.72	2.28	5.19	2.65	39.4	1%	10%	28%

Standard compliance evaluation, Absolute

	ICNIRP 2010/2020			ICNIRP 1998			IEEE 2019			FCC			HC Code 6		
	RL [RMS]	BR [RMS]		RL [RMS]	BR [RMS]		ERL [RMS]	DRL [RMS]		MPE [RMS]	BR [RMS]		RL [RMS]	BR [RMS]	
Distance	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR
[mm]	[A/m]	[V/m]	[mW/kg]	[A/m]	[A/m²]	[mW/kg]	[A/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[mW/kg]
0.0	264.0	4.18	3.55	264.0	2.67	3.55	264.0	4.29	3.55	264.0	N/A	7.06	264.0	4.28	7.06
2.0	232.0	3.61	2.65	232.0	2.28	2.65	232.0	3.72	2.65	232.0	N/A	5.19	232.0	3.72	5.19

Standard compliance evaluation, Relative

	ICNIRP 2010/2020 [dB]			ICNIRP 1998 [dB]			IEEE 2019 [dB]			FCC [dB]			HC Code 6 [dB]		
	RL	BR		RL	BR		ERL	DRL		MPE	BR		RL	BR	
Distance [mm]	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{ind}	psSAR
0.0	26.7	-22.2	-27.5	43.2	10.5	-27.5	9.3	-25.8	-27.5	N/A	N/A	-23.6	43.2	-22.0	-23.6
2.0	25.5	-23.5	-28.8	42.1	9.1	-28.8	8.1	-27.0	-28.8	N/A	N/A	-24.9	42.1	-23.2	-24.9

Document generated at 2024/05/27 15:16:56, simulation performed at 2024/05/27 15:11:58 using Sim4Life version 7.2.4.14019

Report No.: SFAHGL-WTW-P25050525 R1
Cancels and replaces the report no. : SFAHGL-WTW-P25050525 dated on Jul. 16, 2025

Appendix D. System Verification

The measuring results for system check are shown as below.

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coi350/85

Serial number:
1020

Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000225, *2024/06/06*

Software version:
2.8.8, *backend: 2.2.36*

Scan info

Center location:
X: -16.42 mm, **Y:** -15.56 mm, **Z:** 36.63 mm

Dimensions:
X: 608.0 mm, **Y:** 609.0 mm, **Z:** 36.7 mm

Resolution:
X: 7.33 mm, **Y:** 7.33 mm, **Z:** 7.33 mm

Completed on:
2025/05/26

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 122.94 A/m
X: 22.74 A/m, **Y:** 105.43 A/m, **Z:** 59.00 A/m

Maximum H-field location relative to DUT:
X: 18.33 mm, **Y:** 157.67 mm, **Z:** 8.50 mm

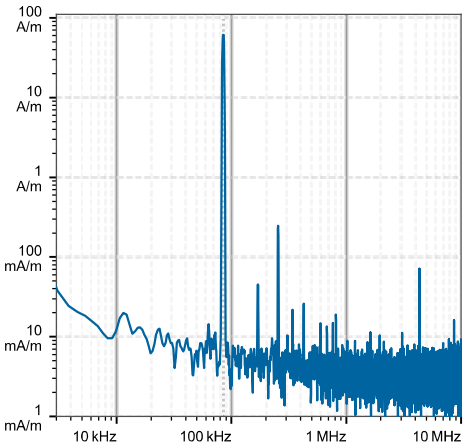
Maximum E-field [RMS]:
MAGNITUDE: 156.09 V/m
X: 11.65 V/m, **Y:** 7.12 V/m, **Z:** 155.49 V/m

Maximum E-field location relative to DUT:
X: 88.00 mm, **Y:** 146.67 mm, **Z:** 0.00 m

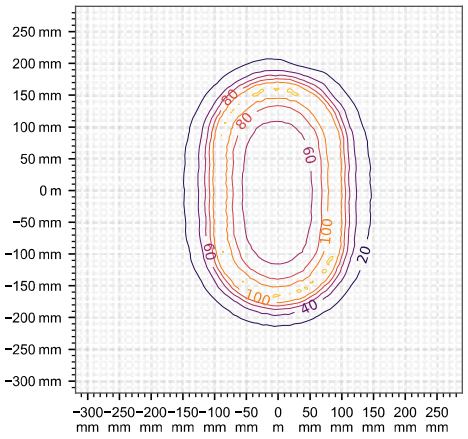
Distance to -20.0 dB boundary:
51.85 mm

Offset relative to DUT:
X: 0.00 m, **Y:** 0.00 m, **Z:** 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeous phantom at the peak frequency

(f = 85.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m^3)

	Peak incident fields [RMS]		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m^2, RMS]	psSAR [mW/kg]		H-field extent	Warnings		
Distance [mm]	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	192	156	3.15	3.18	3.18	2.21	5.74	4.28	184	3%	82%	23%
2.00	175	145	2.96	2.99	3.00	2.09	5.15	3.88	186	3%	82%	23%

Compliance evaluation (Field values at the peak frequency)

(f=85.00 kHz, total field evaluation, coverage evaluation)

	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [RMS]		BR [RMS]		RL [RMS]		BR [RMS]		ERL [RMS]		DRL [RMS]		MPE [RMS]		BR [RMS]		RL [RMS]		BR [RMS]	
Distance [mm]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pJ_{ind} [A/m^2]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]
0.00	192	156	23.8	4.28	192	156	2.21	4.28	192	156	12.4	4.28	192	156	N/A	5.74	192	156	33.9	5.74
2.00	175	145	22.5	3.88	175	145	2.09	3.88	175	145	11.7	3.88	175	145	N/A	5.15	175	145	32.1	5.15

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [7.55, 7.59], $w_{E_{ind,\ local}}$ = [10.67, 10.73], $w_{E_{ind,\ line\ avg.}}$ = [3.88, 3.90]

Compliance evaluation (Exposure ratios)

(with multi-frequency enhancement, total field evaluation, coverage evaluation)

	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019						FCC				HC Code 6					
	RL				BR		RL		BR		ERL				DRL		MPE		BR		RL				BR	
Distance [mm]	pH_{inc}		pE_{inc}		pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pJ_{ind}	psSAR	pH_{inc}		pE_{inc}		pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pE_{ind}	psSAR	pH_{inc}		pE_{inc}		pE_{ind}	psSAR
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH
0.00	9.16	N/A	6.32	N/A	2.07	N/A	38.5	6.03	13.0	N/A	1.18	N/A	0.85	N/A	0.70	N/A	2.14	3.9	N/A	N/A	2.14	N/A	6.32	N/A	2.96	N/A
2.00	8.31	N/A	5.87	N/A	1.96	N/A	34.9	5.6	12.3	N/A	1.07	N/A	0.79	N/A	0.66	N/A	1.94	3.63	N/A	N/A	1.94	N/A	5.87	N/A	2.8	N/A

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [7.55, 7.59], $w_{E_{ind,\ local}}$ = [10.67, 10.73], $w_{E_{ind,\ line\ avg.}}$ = [3.88, 3.90]

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil50/400

Serial number:
1015

Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000225, *2024/06/06*

Software version:
2.8.8, *backend: 2.2.36*

Scan info

Center location:
X: 36.27 mm, **Y:** 21.79 mm, **Z:** 35.66 mm

Dimensions:
X: 168.7 mm, **Y:** 168.7 mm, **Z:** 36.6 mm

Resolution:
X: 7.33 mm, **Y:** 7.33 mm, **Z:** 7.33 mm

Completed on:
2025/05/26

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 128.49 A/m
X: 22.63 A/m, **Y:** 21.40 A/m, **Z:** 124.65 A/m

Maximum H-field location relative to DUT:
X: -3.67 mm, **Y:** -3.67 mm, **Z:** 8.50 mm

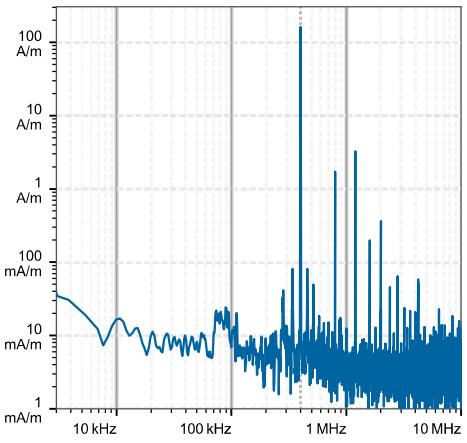
Maximum E-field [RMS]:
MAGNITUDE: 47.67 V/m
X: 23.40 V/m, **Y:** 11.77 V/m, **Z:** 39.83 V/m

Maximum E-field location relative to DUT:
X: 7.33 mm, **Y:** -29.33 mm, **Z:** 0.00 m

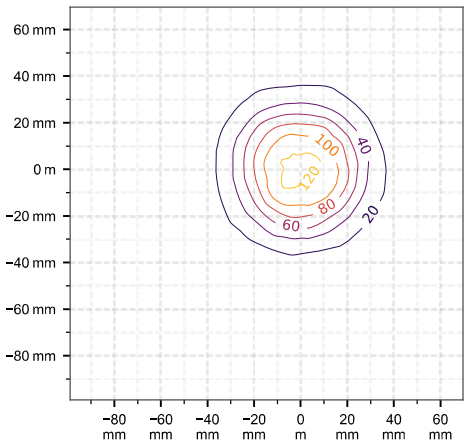
Distance to -20.0 dB boundary:
37.39 mm

Offset relative to DUT:
X: 0.00 m, **Y:** 0.00 m, **Z:** 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeous phantom at the peak frequency

(f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m^3)

Distance [mm]	Peak incident fields [RMS]		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m^2, RMS]	psSAR [mW/kg]		H-field extent	Warnings		
	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	259	47.7	4.08	4.18	4.19	2.58	6.51	3.22	39.1	1%	11%	17%
2.00	227	44.4	3.48	3.58	3.59	2.18	4.72	2.39	39.4	1%	11%	20%

Compliance evaluation (Field values at the peak frequency)

(f=400.00 kHz, total field evaluation, coverage evaluation)

	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [RMS]		BR [RMS]		RL [RMS]		BR [RMS]		ERL [RMS]		DRL [RMS]		MPE [RMS]		BR [RMS]		RL [RMS]		BR [RMS]	
Distance [mm]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pJ_{ind} [A/m^2]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]
0.00	259	47.7	22.0	3.22	259	47.7	2.59	3.22	259	47.7	12.4	3.22	259	47.7	N/A	6.51	259	47.7	31.8	6.51
2.00	227	44.4	18.8	2.39	227	44.4	2.19	2.39	227	44.4	10.6	2.39	227	44.4	N/A	4.72	227	44.4	27.2	4.72

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.39, 5.39], $w_{E_{ind,\ local}}$ = [7.61, 7.62], $w_{E_{ind,\ line\ avg.}}$ = [2.95, 2.95]

Compliance evaluation (Exposure ratios)

(with multi-frequency enhancement, total field evaluation, coverage evaluation)

	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019						FCC						HC Code 6					
	RL				BR		RL		BR		ERL				DRL		MPE		BR		RL				BR	
Distance [mm]	pH_{inc}		pE_{inc}		pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pJ_{ind}	psSAR	pH_{inc}		pE_{inc}		pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pE_{ind}	psSAR	pH_{inc}		pE_{inc}		pE_{ind}	psSAR
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH
0.00	12.4	21.2	157.0	46.5	0.43	<0.01	142.0	311.0	4.6	<0.01	1.59	2.85	21.2	151.0	0.17	<0.01	159.0	145.0	N/A	<0.01	2.88	142.0	157.0	N/A	0.62	<0.01
2.00	10.8	18.5	146.0	43.2	0.37	<0.01	124.0	290.0	4.0	<0.01	1.39	2.49	19.7	141.0	0.14	<0.01	139.0	135.0	N/A	<0.01	2.52	124.0	146.0	N/A	0.53	<0.01

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.39, 5.39], $w_{E_{ind,\ local}}$ = [7.61, 7.62], $w_{E_{ind,\ line\ avg.}}$ = [2.95, 2.95]