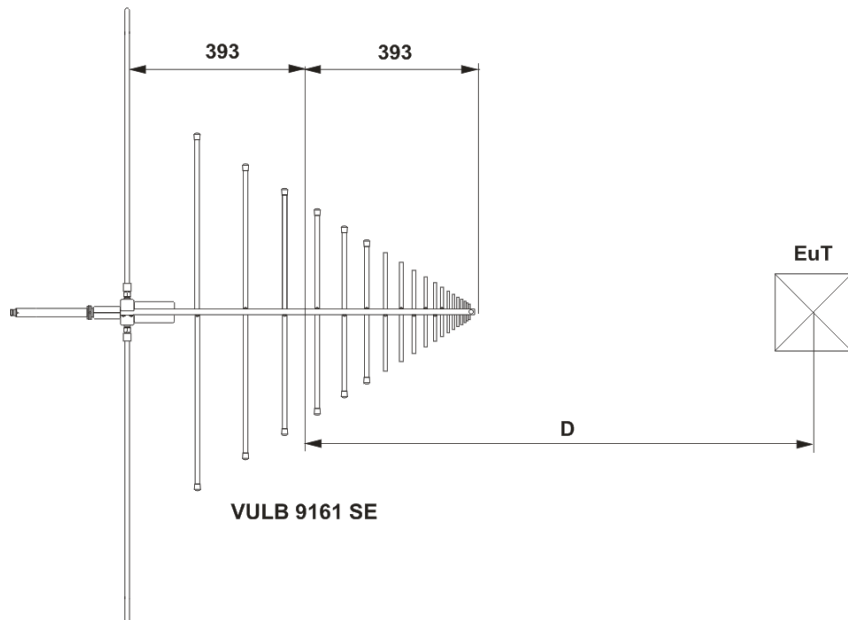
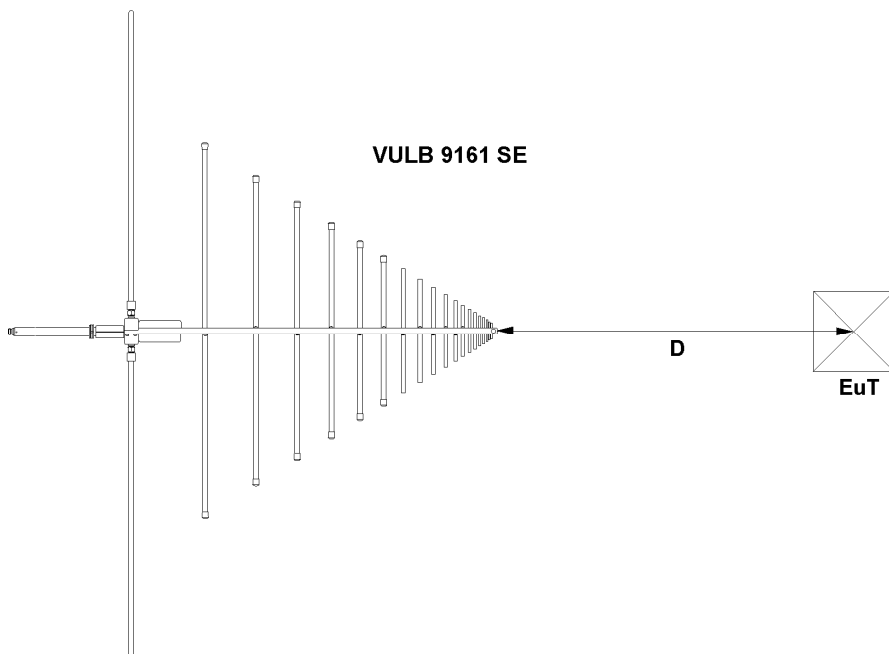


VULB 9161 SE Kalibrierdaten für kurze Messentfernungen
VULB 9161 SE Calibration Data for short Measuring Distance



Mitte-Prüfling
Diese Anordnung wird vorwiegend für Emissionsmessungen verwendet.

Center-EuT
This setup is most popular for Emission testing.



Spitze-Prüfling
Diese Anordnung wird vorwiegend für Immunitätsprüfungen verwendet.

Tip-EuT
This setup is most popular for Immunity testing.



Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Center	k (10m) Center	gi (3m) Center	k (3m) Center
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Mitte	k (10m) Mitte	gi (3m) Mitte	k (3m) Mitte
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
20.0	-21.35	17.59	-21.69	17.93	-22.44	18.68
25.0	-14.27	12.45	-14.61	12.79	-15.36	13.54
30.0	-10.91	10.68	-11.25	11.01	-12.00	11.76
35.0	-9.37	10.47	-9.71	10.81	-10.46	11.56
40.0	-9.46	11.72	-9.80	12.06	-10.55	12.81
45.0	-8.52	11.80	-8.86	12.14	-9.61	12.89
50.0	-7.03	11.23	-7.37	11.57	-8.12	12.32
55.0	-4.62	9.65	-4.96	9.99	-5.71	10.73
60.0	-6.68	12.46	-7.02	12.80	-7.77	13.55
65.0	-4.02	10.50	-4.36	10.84	-5.11	11.59
70.0	-0.96	8.09	-1.30	8.42	-2.05	9.17
75.0	1.27	6.45	0.93	6.79	0.18	7.54
80.0	1.62	6.67	1.28	7.00	0.53	7.75
85.0	0.52	8.28	0.18	8.63	-0.57	9.38
90.0	-0.41	9.72	-0.75	10.06	-1.50	10.80
95.0	-0.65	10.42	-0.99	10.77	-1.74	11.51
100.0	-0.58	10.80	-0.92	11.14	-1.67	11.89
105.0	-0.15	10.79	-0.49	11.13	-1.24	11.88
110.0	0.29	10.75	-0.05	11.10	-0.80	11.85
115.0	0.61	10.82	0.27	11.16	-0.48	11.91
120.0	0.91	10.89	0.57	11.23	-0.18	11.98
125.0	1.08	11.08	0.74	11.42	-0.01	12.17
130.0	0.46	12.04	0.12	12.38	-0.63	13.13
135.0	-0.64	13.47	-0.98	13.81	-1.73	14.55
140.0	-1.08	14.22	-1.42	14.56	-2.17	15.31
145.0	-1.57	15.01	-1.91	15.36	-2.66	16.10
150.0	-2.00	15.74	-2.34	16.08	-3.09	16.83
155.0	-2.53	16.56	-2.87	16.90	-3.62	17.64
160.0	-3.51	17.82	-3.85	18.15	-4.60	18.90
165.0	-4.21	18.78	-4.55	19.12	-5.30	19.87
170.0	-0.56	15.39	-0.90	15.73	-1.65	16.48
175.0	0.93	14.15	0.59	14.49	-0.16	15.24
180.0	1.55	13.77	1.21	14.12	0.46	14.86
185.0	2.54	13.02	2.20	13.36	1.45	14.11
190.0	3.82	11.97	3.48	12.32	2.73	13.06
195.0	4.71	11.31	4.37	11.65	3.62	12.40
200.0	5.60	10.64	5.26	10.98	4.51	11.73
205.0	6.05	10.40	5.73	10.73	5.01	11.44
210.0	5.89	10.77	5.58	11.08	4.91	11.76
215.0	5.41	11.46	5.12	11.75	4.48	12.39
220.0	6.17	10.90	5.90	11.17	5.29	11.78
225.0	6.78	10.48	6.52	10.74	5.94	11.32
230.0	7.09	10.36	6.84	10.61	6.29	11.17
235.0	7.09	10.55	6.86	10.78	6.34	11.30
240.0	7.20	10.62	6.98	10.84	6.49	11.33
245.0	7.39	10.62	7.18	10.82	6.72	11.28
250.0	7.63	10.55	7.43	10.75	6.99	11.19
255.0	7.46	10.89	7.28	11.08	6.86	11.49
260.0	7.36	11.15	7.19	11.33	6.80	11.72
265.0	7.32	11.37	7.16	11.53	6.79	11.90
270.0	7.29	11.56	7.14	11.71	6.80	12.05



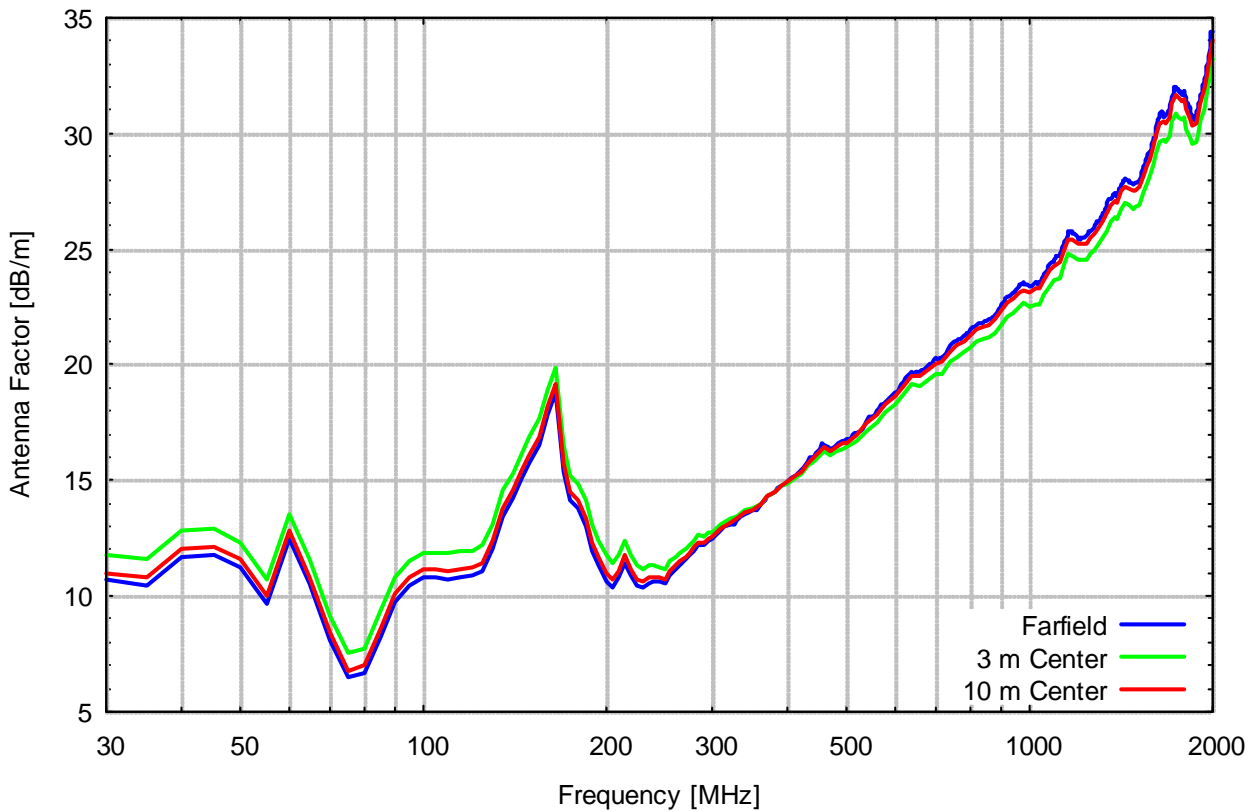
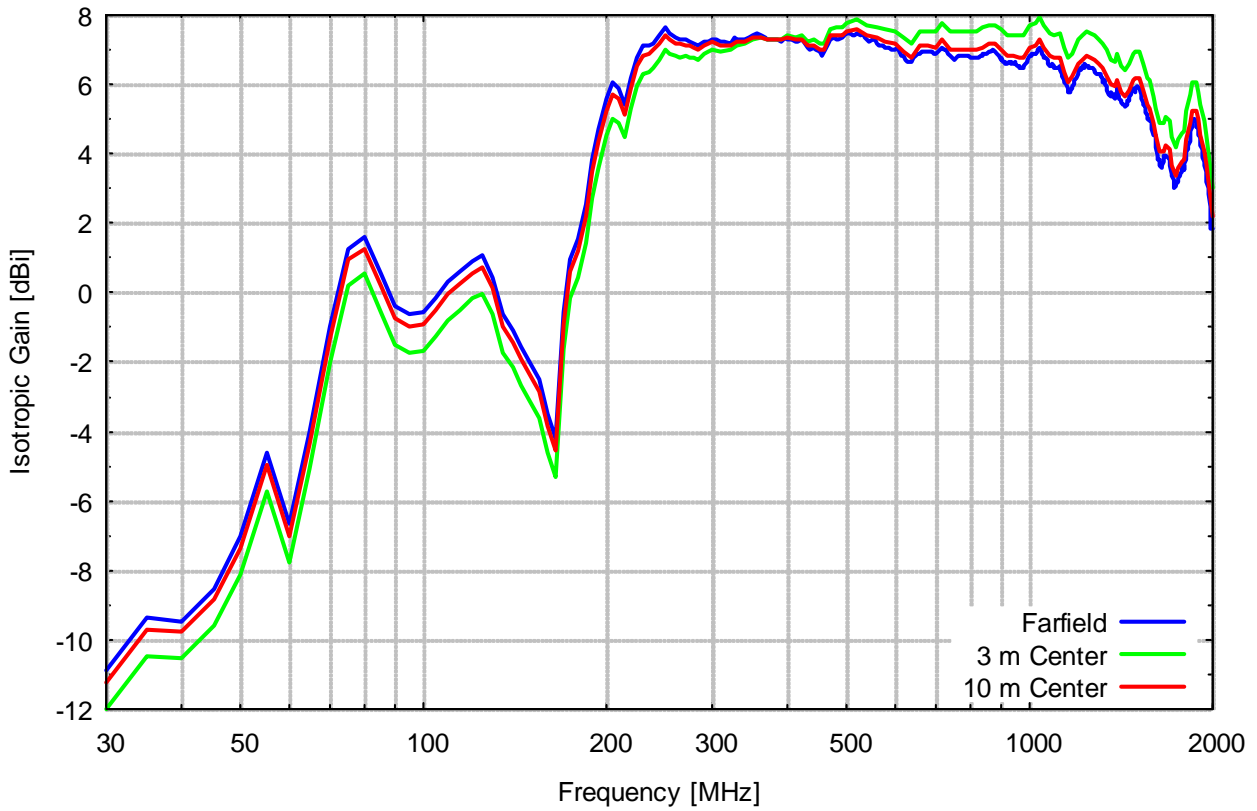
Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Center	k (10m) Center	gi (3m) Center	k (3m) Center
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Mitte	k (10m) Mitte	gi (3m) Mitte	k (3m) Mitte
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
275.0	7.26	11.74	7.12	11.89	6.79	12.21
280.0	7.19	11.97	7.06	12.11	6.75	12.41
285.0	7.11	12.20	6.98	12.33	6.70	12.62
290.0	7.24	12.23	7.13	12.34	6.87	12.60
295.0	7.26	12.36	7.16	12.46	6.92	12.70
300.0	7.32	12.44	7.22	12.54	6.99	12.77
310.0	7.22	12.83	7.14	12.91	6.95	13.10
320.0	7.19	13.13	7.13	13.20	6.98	13.35
330.0	7.31	13.28	7.26	13.33	7.14	13.45
340.0	7.29	13.56	7.25	13.60	7.16	13.69
350.0	7.41	13.69	7.38	13.72	7.32	13.78
360.0	7.39	13.95	7.38	13.97	7.35	14.00
370.0	7.31	14.28	7.31	14.28	7.30	14.29
380.0	7.28	14.54	7.29	14.53	7.31	14.51
390.0	7.25	14.79	7.27	14.77	7.31	14.73
400.0	7.31	14.95	7.34	14.93	7.40	14.86
410.0	7.26	15.22	7.29	15.18	7.38	15.10
420.0	7.27	15.42	7.31	15.37	7.42	15.27
430.0	7.07	15.82	7.12	15.77	7.25	15.64
440.0	7.08	16.01	7.14	15.95	7.29	15.80
450.0	6.95	16.34	7.02	16.26	7.18	16.10
460.0	6.95	16.53	7.02	16.45	7.20	16.28
470.0	7.31	16.36	7.39	16.27	7.59	16.07
480.0	7.32	16.53	7.41	16.43	7.63	16.22
490.0	7.34	16.68	7.44	16.59	7.66	16.36
500.0	7.45	16.75	7.55	16.65	7.79	16.41
520.0	7.49	17.05	7.60	16.94	7.87	16.67
540.0	7.28	17.58	7.41	17.46	7.71	17.16
560.0	7.20	17.98	7.34	17.85	7.66	17.52
580.0	7.08	18.41	7.22	18.26	7.57	17.92
600.0	7.00	18.78	7.15	18.63	7.52	18.26
620.0	6.80	19.27	6.96	19.11	7.35	18.71
640.0	6.62	19.72	6.79	19.55	7.20	19.14
660.0	6.91	19.70	7.09	19.53	7.51	19.10
680.0	6.92	19.95	7.10	19.77	7.55	19.32
700.0	6.86	20.26	7.05	20.07	7.51	19.62
720.0	7.07	20.30	7.27	20.10	7.75	19.62
740.0	6.81	20.80	7.01	20.59	7.50	20.10
760.0	6.79	21.05	7.00	20.84	7.50	20.34
780.0	6.81	21.26	7.02	21.04	7.53	20.53
800.0	6.77	21.51	6.99	21.30	7.51	20.77
820.0	6.77	21.72	6.99	21.51	7.53	20.97
840.0	6.86	21.84	7.08	21.62	7.63	21.07
860.0	6.93	21.98	7.16	21.75	7.72	21.19
880.0	6.93	22.18	7.16	21.95	7.73	21.38
900.0	6.75	22.55	6.99	22.32	7.57	21.74
920.0	6.58	22.91	6.82	22.67	7.42	22.08
940.0	6.59	23.09	6.84	22.85	7.44	22.24
960.0	6.52	23.35	6.77	23.09	7.39	22.48
980.0	6.54	23.50	6.79	23.25	7.41	22.64
1000.0	6.82	23.40	7.08	23.14	7.70	22.52
1020.0	6.87	23.52	7.13	23.26	7.77	22.62



Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Center	k (10m) Center	gi (3m) Center	k (3m) Center
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Mitte	k (10m) Mitte	gi (3m) Mitte	k (3m) Mitte
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
1040.0	7.04	23.52	7.30	23.26	7.94	22.62
1060.0	6.78	23.95	7.04	23.68	7.70	23.03
1080.0	6.55	24.34	6.82	24.07	7.48	23.41
1100.0	6.50	24.54	6.77	24.28	7.43	23.62
1120.0	6.51	24.70	6.78	24.42	7.46	23.75
1140.0	6.10	25.25	6.37	24.98	7.05	24.31
1160.0	5.78	25.73	6.06	25.45	6.74	24.77
1180.0	5.95	25.71	6.23	25.43	6.91	24.74
1200.0	6.30	25.51	6.58	25.22	7.28	24.52
1220.0	6.45	25.50	6.73	25.21	7.43	24.52
1240.0	6.54	25.55	6.83	25.26	7.54	24.55
1260.0	6.47	25.76	6.76	25.47	7.47	24.76
1280.0	6.41	25.96	6.70	25.66	7.42	24.94
1300.0	6.30	26.20	6.59	25.91	7.31	25.19
1320.0	6.16	26.47	6.45	26.18	7.17	25.46
1340.0	5.96	26.80	6.26	26.51	6.99	25.77
1360.0	5.68	27.21	5.98	26.91	6.71	26.18
1380.0	5.62	27.40	5.92	27.10	6.65	26.37
1400.0	5.82	27.32	6.12	27.02	6.86	26.28
1420.0	5.49	27.78	5.79	27.48	6.53	26.73
1440.0	5.36	28.03	5.66	27.72	6.42	26.97
1460.0	5.55	27.95	5.85	27.65	6.61	26.90
1480.0	5.83	27.80	6.13	27.49	6.89	26.73
1500.0	5.88	27.86	6.18	27.56	6.94	26.80
1520.0	5.86	28.00	6.17	27.69	6.94	26.92
1540.0	5.49	28.49	5.80	28.17	6.57	27.40
1560.0	5.10	28.98	5.41	28.67	6.18	27.90
1580.0	5.01	29.18	5.32	28.87	6.10	28.09
1600.0	4.55	29.76	4.86	29.44	5.64	28.66
1620.0	4.20	30.21	4.51	29.90	5.29	29.12
1640.0	3.77	30.75	4.08	30.43	4.86	29.65
1660.0	3.77	30.85	4.09	30.53	4.88	29.74
1680.0	3.95	30.77	4.27	30.46	5.06	29.67
1700.0	3.83	31.00	4.15	30.68	4.94	29.89
1720.0	3.35	31.58	3.67	31.26	4.46	30.47
1740.0	3.05	31.98	3.37	31.66	4.18	30.85
1760.0	3.28	31.85	3.60	31.53	4.41	30.72
1780.0	3.48	31.75	3.80	31.43	4.61	30.62
1800.0	3.53	31.80	3.85	31.47	4.66	30.67
1820.0	4.08	31.34	4.41	31.01	5.22	30.20
1840.0	4.55	30.97	4.88	30.64	5.69	29.82
1860.0	4.93	30.68	5.26	30.35	6.07	29.54
1880.0	4.92	30.78	5.25	30.46	6.06	29.64
1900.0	4.65	31.15	4.98	30.82	5.79	30.00
1920.0	4.23	31.65	4.56	31.32	5.39	30.50
1940.0	3.76	32.21	4.09	31.88	4.92	31.06
1960.0	3.36	32.71	3.69	32.37	4.52	31.55
1980.0	2.84	33.31	3.17	32.98	4.00	32.15
2000.0	1.85	34.40	2.18	34.06	3.01	33.23



Bezugspunkt: Antennenmitte
Reference Point: Antenna Center





Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Tip	k (10m) Tip	gi (3m) Tip	k (3m) Tip	gi (1m) Tip	k (1m) Tip
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Spitze	k (10m) Spitze	gi (3m) Spitze	k (3m) Spitze	gi (1m) Spitze	k (1m) Spitze
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
20.0	-21.35	17.59	-22.02	18.26	-23.40	19.64	-26.46	22.70
25.0	-14.27	12.45	-14.94	13.12	-16.32	14.50	-19.38	17.55
30.0	-10.91	10.68	-11.58	11.34	-12.96	12.73	-16.02	15.78
35.0	-9.37	10.47	-10.04	11.14	-11.42	12.52	-14.48	15.58
40.0	-9.46	11.72	-10.13	12.39	-11.51	13.77	-14.57	16.83
45.0	-8.52	11.80	-9.19	12.47	-10.57	13.86	-13.63	16.91
50.0	-7.03	11.23	-7.70	11.90	-9.08	13.28	-12.14	16.33
55.0	-4.62	9.65	-5.29	10.32	-6.67	11.70	-9.73	14.75
60.0	-6.68	12.46	-7.35	13.13	-8.73	14.52	-11.79	17.57
65.0	-4.02	10.50	-4.69	11.17	-6.07	12.55	-9.13	15.60
70.0	-0.96	8.09	-1.63	8.75	-3.01	10.14	-6.07	13.19
75.0	1.27	6.45	0.60	7.12	-0.78	8.50	-3.84	11.56
80.0	1.62	6.67	0.95	7.33	-0.43	8.72	-3.49	11.77
85.0	0.52	8.28	-0.15	8.96	-1.53	10.34	-4.59	13.39
90.0	-0.41	9.72	-1.08	10.38	-2.46	11.77	-5.52	14.82
95.0	-0.65	10.42	-1.32	11.09	-2.70	12.48	-5.76	15.53
100.0	-0.58	10.80	-1.25	11.47	-2.63	12.85	-5.69	15.91
105.0	-0.15	10.79	-0.82	11.46	-2.20	12.85	-5.26	15.90
110.0	0.29	10.75	-0.38	11.43	-1.76	12.81	-4.82	15.86
115.0	0.61	10.82	-0.06	11.49	-1.44	12.88	-4.50	15.93
120.0	0.91	10.89	0.24	11.56	-1.14	12.95	-4.20	16.00
125.0	1.08	11.08	0.41	11.75	-0.97	13.13	-4.03	16.18
130.0	0.46	12.04	-0.21	12.71	-1.59	14.09	-4.65	17.14
135.0	-0.64	13.47	-1.31	14.14	-2.69	15.52	-5.75	18.57
140.0	-1.08	14.22	-1.75	14.89	-3.13	16.28	-6.19	19.33
145.0	-1.57	15.01	-2.24	15.69	-3.62	17.07	-6.68	20.12
150.0	-2.00	15.74	-2.67	16.41	-4.05	17.80	-7.11	20.85
155.0	-2.53	16.56	-3.20	17.23	-4.58	18.61	-7.64	21.66
160.0	-3.51	17.82	-4.18	18.48	-5.56	19.87	-8.62	22.92
165.0	-4.21	18.78	-4.88	19.45	-6.26	20.83	-9.32	23.89
170.0	-0.56	15.39	-1.23	16.06	-2.61	17.44	-5.67	20.49
175.0	0.93	14.15	0.26	14.82	-1.12	16.20	-4.18	19.26
180.0	1.55	13.77	0.88	14.44	-0.50	15.83	-3.56	18.88
185.0	2.54	13.02	1.87	13.69	0.49	15.08	-2.57	18.13
190.0	3.82	11.97	3.15	12.64	1.77	14.03	-1.29	17.08
195.0	4.71	11.31	4.04	11.98	2.66	13.36	-0.40	16.42
200.0	5.60	10.64	4.93	11.31	3.55	12.69	0.49	15.75
205.0	6.05	10.40	5.40	11.06	4.04	12.41	1.04	15.41
210.0	5.89	10.77	5.25	11.41	3.93	12.74	0.98	15.68
215.0	5.41	11.46	4.79	12.08	3.49	13.37	0.60	16.27
220.0	6.17	10.90	5.57	11.50	4.30	12.77	1.46	15.61
225.0	6.78	10.48	6.19	11.08	4.95	12.32	2.15	15.12
230.0	7.09	10.36	6.51	10.94	5.29	12.16	2.53	14.92
235.0	7.09	10.55	6.53	11.11	5.34	12.30	2.64	15.01
240.0	7.20	10.62	6.65	11.18	5.48	12.34	2.82	15.00
245.0	7.39	10.62	6.85	11.15	5.71	12.29	3.09	14.91
250.0	7.63	10.55	7.10	11.08	5.97	12.20	3.39	14.79
255.0	7.46	10.89	6.94	11.41	5.84	12.51	3.30	15.05
260.0	7.36	11.15	6.85	11.67	5.78	12.74	3.28	15.24
265.0	7.32	11.37	6.82	11.86	5.76	12.92	3.29	15.39



Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Tip	k (10m) Tip	gi (3m) Tip	k (3m) Tip	gi (1m) Tip	k (1m) Tip
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Spitze	k (10m) Spitze	gi (3m) Spitze	k (3m) Spitze	gi (1m) Spitze	k (1m) Spitze
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
270.0	7.29	11.56	6.80	12.04	5.77	13.08	3.34	15.50
275.0	7.26	11.74	6.78	12.22	5.76	13.25	3.37	15.64
280.0	7.19	11.97	6.72	12.44	5.72	13.45	3.36	15.81
285.0	7.11	12.20	6.65	12.67	5.66	13.66	3.33	15.99
290.0	7.24	12.23	6.79	12.68	5.83	13.64	3.55	15.92
295.0	7.26	12.36	6.82	12.80	5.87	13.74	3.62	15.99
300.0	7.32	12.44	6.88	12.88	5.94	13.82	3.71	16.05
310.0	7.22	12.83	6.80	13.25	5.89	14.15	3.73	16.32
320.0	7.19	13.13	6.79	13.54	5.91	14.41	3.81	16.51
330.0	7.31	13.28	6.92	13.67	6.07	14.52	4.02	16.57
340.0	7.29	13.56	6.91	13.94	6.09	14.76	4.09	16.76
350.0	7.41	13.69	7.04	14.06	6.25	14.85	4.30	16.80
360.0	7.39	13.95	7.04	14.31	6.26	15.08	4.37	16.97
370.0	7.31	14.28	6.97	14.62	6.21	15.37	4.36	17.23
380.0	7.28	14.54	6.95	14.87	6.22	15.60	4.42	17.40
390.0	7.25	14.79	6.93	15.12	6.21	15.83	4.45	17.59
400.0	7.31	14.95	6.99	15.27	6.30	15.96	4.58	17.69
410.0	7.26	15.22	6.95	15.52	6.28	16.20	4.59	17.89
420.0	7.27	15.42	6.97	15.71	6.31	16.37	4.66	18.02
430.0	7.07	15.82	6.78	16.11	6.14	16.75	4.53	18.36
440.0	7.08	16.01	6.80	16.29	6.17	16.92	4.60	18.49
450.0	6.95	16.34	6.68	16.61	6.07	17.21	4.54	18.75
460.0	6.95	16.53	6.68	16.79	6.08	17.39	4.57	18.90
470.0	7.31	16.36	7.05	16.61	6.47	17.19	5.00	18.66
480.0	7.32	16.53	7.07	16.78	6.51	17.34	5.07	18.77
490.0	7.34	16.68	7.09	16.93	6.54	17.49	5.13	18.90
500.0	7.45	16.75	7.21	16.99	6.66	17.54	5.27	18.93
520.0	7.49	17.05	7.26	17.28	6.74	17.80	5.41	19.13
540.0	7.28	17.58	7.06	17.81	6.57	18.30	5.31	19.56
560.0	7.20	17.98	6.99	18.19	6.52	18.67	5.30	19.89
580.0	7.08	18.41	6.88	18.61	6.42	19.06	5.25	20.24
600.0	7.00	18.78	6.81	18.98	6.37	19.41	5.24	20.55
620.0	6.80	19.27	6.62	19.45	6.20	19.87	5.11	20.96
640.0	6.62	19.72	6.44	19.90	6.05	20.30	5.00	21.34
660.0	6.91	19.70	6.74	19.87	6.35	20.26	5.33	21.28
680.0	6.92	19.95	6.76	20.11	6.39	20.48	5.41	21.46
700.0	6.86	20.26	6.70	20.42	6.34	20.78	5.39	21.74
720.0	7.07	20.30	6.92	20.45	6.58	20.79	5.67	21.70
740.0	6.81	20.80	6.66	20.94	6.33	21.27	5.45	22.16
760.0	6.79	21.05	6.65	21.19	6.32	21.51	5.46	22.37
780.0	6.81	21.26	6.67	21.39	6.36	21.70	5.52	22.54
800.0	6.77	21.51	6.64	21.65	6.33	21.95	5.52	22.76
820.0	6.77	21.72	6.64	21.86	6.35	22.15	5.56	22.94
840.0	6.86	21.84	6.73	21.97	6.45	22.26	5.68	23.02
860.0	6.93	21.98	6.81	22.10	6.53	22.38	5.79	23.12
880.0	6.93	22.18	6.81	22.30	6.55	22.56	5.83	23.28
900.0	6.75	22.55	6.64	22.67	6.38	22.92	5.69	23.62
920.0	6.58	22.91	6.47	23.02	6.23	23.27	5.56	23.94
940.0	6.59	23.09	6.49	23.20	6.25	23.43	5.61	24.08
960.0	6.52	23.35	6.42	23.44	6.19	23.67	5.57	24.29
980.0	6.54	23.50	6.44	23.60	6.21	23.83	5.59	24.45
1000.0	6.82	23.40	6.72	23.50	6.51	23.71	5.91	24.31



Frequency	Gain(Iso.) Farfield	Ant.-Fact k Farfield	gi (10 m) Tip	k (10m) Tip	gi (3m) Tip	k (3m) Tip	gi (1m) Tip	k (1m) Tip
Frequenz	Gewinn Fernfeld	Ant.Faktor Fernfeld	gi (10 m) Spitze	k (10m) Spitze	gi (3m) Spitze	k (3m) Spitze	gi (1m) Spitze	k (1m) Spitze
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
1020.0	6.87	23.52	6.78	23.61	6.57	23.82	6.00	24.39
1040.0	7.04	23.52	6.95	23.61	6.74	23.82	6.17	24.39
1060.0	6.78	23.95	6.69	24.03	6.50	24.23	5.95	24.77
1080.0	6.55	24.34	6.47	24.42	6.28	24.61	5.76	25.13
1100.0	6.50	24.54	6.42	24.63	6.23	24.82	5.71	25.34
1120.0	6.51	24.70	6.43	24.77	6.25	24.95	5.76	25.44
1140.0	6.10	25.25	6.02	25.34	5.84	25.51	5.35	26.01
1160.0	5.78	25.73	5.71	25.80	5.54	25.97	5.07	26.44
1180.0	5.95	25.71	5.88	25.78	5.71	25.95	5.24	26.42
1200.0	6.30	25.51	6.23	25.57	6.07	25.73	5.63	26.17
1220.0	6.45	25.50	6.38	25.57	6.22	25.73	5.78	26.17
1240.0	6.54	25.55	6.48	25.61	6.33	25.76	5.91	26.18
1260.0	6.47	25.76	6.41	25.82	6.26	25.97	5.84	26.39
1280.0	6.41	25.96	6.35	26.01	6.21	26.15	5.82	26.54
1300.0	6.30	26.20	6.24	26.26	6.10	26.40	5.71	26.79
1320.0	6.16	26.47	6.10	26.53	5.96	26.67	5.57	27.06
1340.0	5.96	26.80	5.90	26.86	5.77	26.99	5.41	27.35
1360.0	5.68	27.21	5.62	27.27	5.49	27.40	5.13	27.76
1380.0	5.62	27.40	5.56	27.45	5.43	27.58	5.07	27.94
1400.0	5.82	27.32	5.77	27.37	5.65	27.49	5.31	27.83
1420.0	5.49	27.78	5.44	27.83	5.32	27.95	4.98	28.28
1440.0	5.36	28.03	5.31	28.07	5.20	28.19	4.89	28.49
1460.0	5.55	27.95	5.50	28.00	5.39	28.11	5.08	28.42
1480.0	5.83	27.80	5.78	27.84	5.67	27.95	5.36	28.26
1500.0	5.88	27.86	5.83	27.91	5.72	28.02	5.41	28.33
1520.0	5.86	28.00	5.82	28.04	5.72	28.14	5.44	28.42
1540.0	5.49	28.49	5.45	28.52	5.35	28.62	5.07	28.90
1560.0	5.10	28.98	5.06	29.03	4.96	29.13	4.68	29.41
1580.0	5.01	29.18	4.97	29.22	4.88	29.31	4.63	29.57
1600.0	4.55	29.76	4.51	29.79	4.42	29.88	4.17	30.13
1620.0	4.20	30.21	4.16	30.25	4.07	30.34	3.82	30.59
1640.0	3.77	30.75	3.73	30.79	3.64	30.88	3.39	31.13
1660.0	3.77	30.85	3.74	30.89	3.65	30.97	3.43	31.19
1680.0	3.95	30.77	3.92	30.81	3.83	30.89	3.61	31.12
1700.0	3.83	31.00	3.80	31.03	3.71	31.11	3.49	31.34
1720.0	3.35	31.58	3.32	31.62	3.23	31.70	3.01	31.92
1740.0	3.05	31.98	3.02	32.01	2.95	32.08	2.75	32.28
1760.0	3.28	31.85	3.25	31.88	3.18	31.95	2.98	32.15
1780.0	3.48	31.75	3.45	31.78	3.38	31.85	3.18	32.05
1800.0	3.53	31.80	3.50	31.83	3.43	31.90	3.23	32.09
1820.0	4.08	31.34	4.05	31.37	3.99	31.43	3.82	31.60
1840.0	4.55	30.97	4.52	30.99	4.46	31.05	4.29	31.22
1860.0	4.93	30.68	4.90	30.71	4.84	30.77	4.67	30.94
1880.0	4.92	30.78	4.89	30.81	4.83	30.87	4.66	31.04
1900.0	4.65	31.15	4.62	31.17	4.56	31.23	4.39	31.40
1920.0	4.23	31.65	4.21	31.68	4.16	31.73	4.02	31.87
1940.0	3.76	32.21	3.74	32.24	3.69	32.29	3.55	32.43
1960.0	3.36	32.71	3.34	32.73	3.29	32.78	3.15	32.92
1980.0	2.84	33.31	2.82	33.33	2.77	33.39	2.63	33.53
2000.0	1.85	34.40	1.83	34.41	1.78	34.46	1.64	34.61



Bezugspunkt: Antennenspitze
Reference Point: Antenna Tip

