

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

VULB 9165

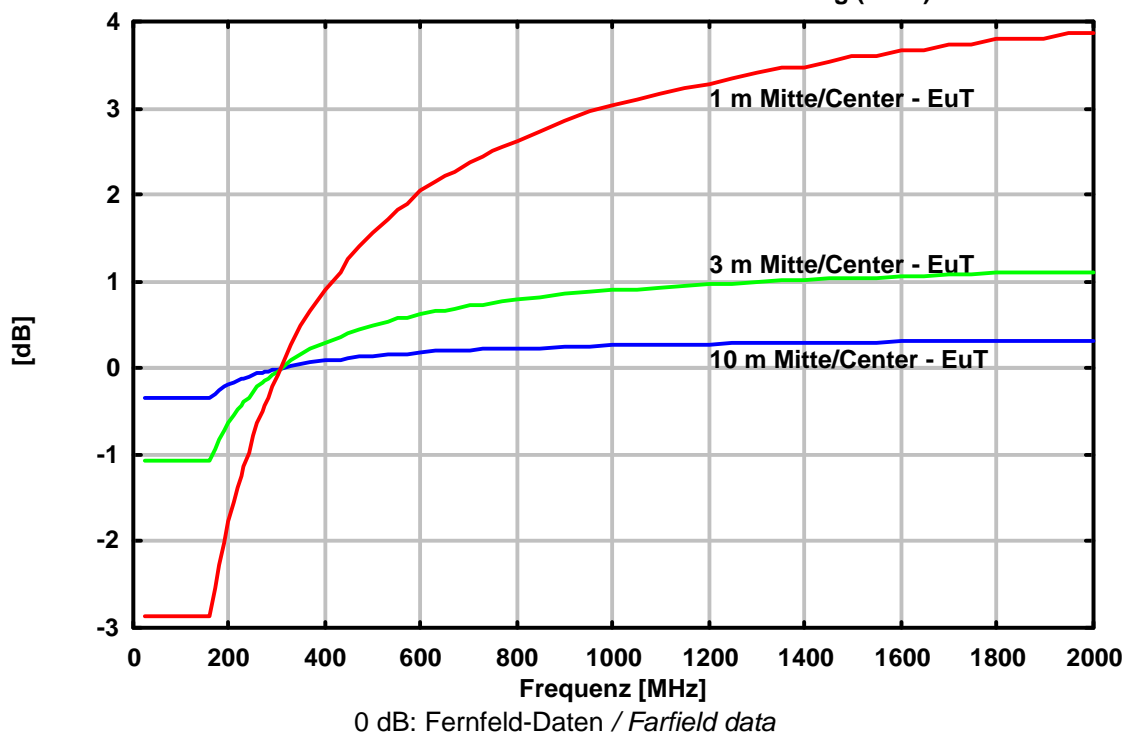
Korrekturdaten für kurze Meßentfernung (Antennenmitte) Correction for Short Measuring Distance (center of antenna)

Frequency	Gain (Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant. Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
25.0	-9.48	7.66	-9.81	7.99	-10.54	8.72	-12.34	10.52
30.0	-8.08	7.85	-8.41	8.17	-9.14	8.90	-10.94	10.70
35.0	-7.87	8.97	-8.20	9.30	-8.93	10.03	-10.73	11.83
40.0	-7.84	10.10	-8.17	10.43	-8.90	11.16	-10.70	12.96
45.0	-6.48	9.77	-6.81	10.10	-7.54	10.83	-9.34	12.62
50.0	-5.69	9.89	-6.02	10.22	-6.75	10.95	-8.55	12.75
55.0	-3.92	8.95	-4.25	9.28	-4.98	10.01	-6.78	11.81
60.0	-2.34	8.13	-2.67	8.46	-3.40	9.18	-5.20	10.98
65.0	-1.25	7.72	-1.58	8.06	-2.31	8.79	-4.11	10.59
70.0	-0.22	7.35	-0.55	7.67	-1.28	8.40	-3.08	10.20
75.0	0.26	7.47	-0.07	7.79	-0.80	8.52	-2.60	10.32
80.0	0.66	7.63	0.33	7.95	-0.40	8.68	-2.20	10.48
85.0	0.62	8.19	0.29	8.52	-0.44	9.25	-2.24	11.05
90.0	0.49	8.81	0.16	9.15	-0.57	9.88	-2.37	11.68
95.0	0.40	9.37	0.07	9.71	-0.66	10.44	-2.46	12.23
100.0	0.22	10.00	-0.11	10.33	-0.84	11.06	-2.64	12.86
110.0	0.54	10.51	0.21	10.84	-0.52	11.57	-2.32	13.37
120.0	1.27	10.54	0.94	10.87	0.21	11.60	-1.59	13.39
130.0	1.57	10.93	1.24	11.26	0.51	11.99	-1.29	13.79
140.0	1.70	11.45	1.37	11.77	0.64	12.50	-1.16	14.30
150.0	1.74	12.01	1.41	12.33	0.68	13.06	-1.12	14.86
160.0	2.52	11.79	2.19	12.11	1.46	12.84	-0.34	14.64
170.0	3.57	11.26	3.28	11.55	2.64	12.19	1.03	13.80
180.0	4.88	10.44	4.62	10.70	4.05	11.27	2.60	12.72
190.0	5.82	9.97	5.60	10.20	5.10	10.70	3.81	11.98
200.0	6.42	9.82	6.23	10.01	5.79	10.45	4.66	11.58
210.0	6.75	9.91	6.58	10.08	6.20	10.46	5.20	11.46
220.0	7.03	10.04	6.88	10.18	6.55	10.52	5.67	11.40
225.0	7.05	10.22	6.92	10.35	6.61	10.65	5.80	11.47
230.0	7.06	10.40	6.94	10.52	6.66	10.79	5.92	11.53
240.0	7.10	10.72	7.00	10.83	6.76	11.06	6.12	11.71
250.0	7.21	10.97	7.13	11.05	6.94	11.24	6.42	11.76
260.0	7.10	11.42	7.04	11.48	6.89	11.63	6.47	12.05
270.0	6.79	12.05	6.74	12.11	6.62	12.23	6.28	12.56
275.0	6.54	12.46	6.50	12.51	6.40	12.61	6.12	12.89
280.0	6.66	12.51	6.63	12.54	6.54	12.62	6.32	12.84
290.0	6.63	12.84	6.61	12.86	6.56	12.91	6.42	13.05
300.0	6.64	13.12	6.63	13.13	6.61	13.15	6.55	13.21
330.0	6.88	13.71	6.91	13.68	6.97	13.62	7.14	13.45
350.0	7.17	13.93	7.22	13.88	7.33	13.77	7.66	13.44
370.0	7.31	14.28	7.38	14.21	7.53	14.05	7.99	13.60
400.0	7.41	14.85	7.50	14.76	7.70	14.56	8.33	13.94
430.0	7.15	15.74	7.25	15.63	7.50	15.38	8.26	14.63
450.0	7.03	16.26	7.15	16.14	7.43	15.85	8.29	14.99
470.0	6.88	16.78	7.01	16.65	7.33	16.34	8.29	15.37
500.0	6.88	17.32	7.02	17.17	7.37	16.83	8.45	15.75

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Korrekturdaten für kurze Meßentfernung (Antennenmitte)
Correction for Short Measuring Distance (center of antenna)

Frequency	Gain (Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant. Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
530.0	6.94	17.77	7.10	17.61	7.48	17.23	8.66	16.04
550.0	6.73	18.29	6.90	18.13	7.30	17.73	8.56	16.47
570.0	6.89	18.45	7.06	18.28	7.47	17.86	8.77	16.56
600.0	6.85	18.93	7.03	18.75	7.48	18.30	8.90	16.89
630.0	6.28	19.92	6.47	19.73	6.94	19.27	8.44	17.77
650.0	6.22	20.26	6.42	20.06	6.90	19.58	8.43	18.04
670.0	6.47	20.27	6.67	20.07	7.16	19.58	8.74	18.00
700.0	6.56	20.56	6.77	20.35	7.28	19.84	8.94	18.18
730.0	6.59	20.90	6.81	20.68	7.33	20.16	9.03	18.46
750.0	6.39	21.33	6.61	21.11	7.15	20.58	8.89	18.83
770.0	6.35	21.60	6.57	21.38	7.12	20.83	8.91	19.04
800.0	6.16	22.12	6.39	21.89	6.95	21.33	8.78	19.51
850.0	6.14	22.67	6.38	22.43	6.96	21.85	8.87	19.93
900.0	6.15	23.15	6.40	22.91	7.00	22.30	9.00	20.30
950.0	5.97	23.80	6.23	23.55	6.85	22.92	8.94	20.83
1000.0	6.16	24.06	6.42	23.80	7.06	23.16	9.20	21.02
1100.0	5.42	25.63	5.69	25.36	6.35	24.70	8.58	22.47
1200.0	5.27	26.53	5.55	26.26	6.23	25.57	8.56	23.25
1300.0	4.96	27.54	5.25	27.25	5.96	26.54	8.37	24.12
1400.0	4.56	28.58	4.85	28.29	5.57	27.57	8.04	25.10
1500.0	4.15	29.59	4.45	29.29	5.19	28.55	7.76	25.98
1600.0	2.32	31.98	2.62	31.68	3.38	30.92	6.00	28.31
1700.0	1.67	33.16	1.98	32.85	2.75	32.08	5.41	29.42
1800.0	1.89	33.43	2.20	33.12	2.98	32.34	5.70	29.63
1900.0	0.89	34.91	1.20	34.59	1.98	33.81	4.70	31.10
2000.0	-2.50	38.74	-2.18	38.42	-1.39	37.63	1.38	34.86

VULB 9165 Correction for short measuring distance (center of antenna)
VULB 9165 Korrektur für kurze Meßentfernung (Mitte)



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Korrekturdaten für kurze Meßentfernung (Antennenspitze) Correction for Short Measuring Distance (Antenna tip)

Frequency	Gain (Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant. Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
25.0	-9.48	7.66	-10.13	8.31	-11.49	9.67	-14.49	12.67
30.0	-8.08	7.85	-8.73	8.49	-10.09	9.85	-13.09	12.85
35.0	-7.87	8.97	-8.52	9.62	-9.88	10.98	-12.88	13.98
40.0	-7.84	10.10	-8.49	10.75	-9.85	12.11	-12.85	15.11
45.0	-6.48	9.77	-7.13	10.42	-8.49	11.77	-11.49	14.77
50.0	-5.69	9.89	-6.34	10.54	-7.70	11.90	-10.70	14.90
55.0	-3.92	8.95	-4.57	9.60	-5.93	10.95	-8.93	13.96
60.0	-2.34	8.13	-2.99	8.78	-4.35	10.13	-7.35	13.13
65.0	-1.25	7.72	-1.90	8.38	-3.26	9.74	-6.26	12.74
70.0	-0.22	7.35	-0.87	7.99	-2.23	9.35	-5.23	12.35
75.0	0.26	7.47	-0.39	8.11	-1.75	9.47	-4.75	12.47
80.0	0.66	7.63	0.01	8.27	-1.35	9.63	-4.35	12.63
85.0	0.62	8.19	-0.03	8.84	-1.39	10.20	-4.39	13.20
90.0	0.49	8.81	-0.16	9.47	-1.52	10.82	-4.52	13.82
95.0	0.40	9.37	-0.25	10.03	-1.61	11.38	-4.61	14.38
100.0	0.22	10.00	-0.43	10.65	-1.79	12.01	-4.79	15.01
110.0	0.54	10.51	-0.11	11.16	-1.47	12.52	-4.47	15.52
120.0	1.27	10.54	0.62	11.19	-0.74	12.54	-3.74	15.54
130.0	1.57	10.93	0.92	11.58	-0.44	12.94	-3.44	15.94
140.0	1.70	11.45	1.05	12.09	-0.31	13.45	-3.31	16.45
150.0	1.74	12.01	1.09	12.65	-0.27	14.01	-3.27	17.01
160.0	2.52	11.79	1.87	12.43	0.51	13.79	-2.49	16.79
170.0	3.57	11.26	2.96	11.87	1.68	13.15	-1.19	16.02
180.0	4.88	10.44	4.30	11.03	3.08	12.24	0.32	15.00
190.0	5.82	9.97	5.27	10.52	4.12	11.68	1.47	14.32
200.0	6.42	9.82	5.90	10.34	4.80	11.44	2.26	13.98
210.0	6.75	9.91	6.26	10.41	5.20	11.46	2.75	13.91
220.0	7.03	10.04	6.56	10.51	5.54	11.53	3.17	13.90
225.0	7.05	10.22	6.59	10.67	5.60	11.66	3.27	13.99
230.0	7.06	10.40	6.61	10.84	5.65	11.81	3.37	14.09
240.0	7.10	10.72	6.67	11.16	5.74	12.09	3.52	14.30
250.0	7.21	10.97	6.80	11.38	5.91	12.27	3.78	14.40
260.0	7.10	11.42	6.71	11.81	5.85	12.67	3.78	14.74
270.0	6.79	12.05	6.41	12.44	5.58	13.27	3.56	15.28
275.0	6.54	12.46	6.17	12.84	5.35	13.66	3.37	15.63
280.0	6.66	12.51	6.29	12.87	5.50	13.67	3.55	15.61
290.0	6.63	12.84	6.28	13.19	5.50	13.96	3.61	15.85
300.0	6.64	13.12	6.30	13.46	5.55	14.21	3.72	16.04
330.0	6.88	13.71	6.57	14.02	5.90	14.69	4.21	16.38
350.0	7.17	13.93	6.88	14.22	6.25	14.85	4.66	16.44
370.0	7.31	14.28	7.04	14.54	6.44	15.14	4.93	16.65
400.0	7.41	14.85	7.16	15.10	6.61	15.65	5.20	17.06
430.0	7.15	15.74	6.92	15.97	6.40	16.49	5.07	17.82
450.0	7.03	16.26	6.81	16.47	6.32	16.96	5.06	18.23
470.0	6.88	16.78	6.67	16.99	6.21	17.45	5.01	18.65
500.0	6.88	17.32	6.69	17.51	6.25	17.95	5.12	19.08

VULB 9165
Korrekturdaten für kurze Meßentfernung (Antennenspitze)
Correction for Short Measuring Distance (Antenna tip)

Frequency	Gain (Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant. Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
530.0	6.94	17.77	6.76	17.95	6.35	18.35	5.28	19.42
550.0	6.73	18.29	6.56	18.47	6.17	18.86	5.15	19.88
570.0	6.89	18.45	6.72	18.62	6.34	18.99	5.34	19.99
600.0	6.85	18.93	6.70	19.09	6.34	19.44	5.41	20.37
630.0	6.28	19.92	6.13	20.07	5.80	20.41	4.92	21.29
650.0	6.22	20.26	6.08	20.40	5.75	20.72	4.89	21.58
670.0	6.47	20.27	6.33	20.41	6.02	20.72	5.18	21.56
700.0	6.56	20.56	6.43	20.69	6.14	20.99	5.35	21.78
730.0	6.59	20.90	6.46	21.02	6.18	21.31	5.41	22.07
750.0	6.39	21.33	6.27	21.45	5.99	21.73	5.25	22.47
770.0	6.35	21.60	6.23	21.72	5.97	21.98	5.25	22.70
800.0	6.16	22.12	6.05	22.23	5.79	22.49	5.10	23.18
850.0	6.14	22.67	6.04	22.77	5.80	23.01	5.16	23.65
900.0	6.15	23.15	6.05	23.25	5.84	23.47	5.24	24.06
950.0	5.97	23.80	5.88	23.89	5.69	24.09	5.14	24.63
1000.0	6.16	24.06	6.08	24.14	5.89	24.33	5.37	24.85
1100.0	5.42	25.63	5.35	25.70	5.18	25.87	4.71	26.34
1200.0	5.27	26.53	5.21	26.60	5.06	26.75	4.64	27.16
1300.0	4.96	27.54	4.90	27.60	4.77	27.73	4.41	28.09
1400.0	4.56	28.58	4.51	28.63	4.39	28.75	4.05	29.09
1500.0	4.15	29.59	4.11	29.64	4.01	29.74	3.73	30.02
1600.0	2.32	31.98	2.28	32.02	2.19	32.11	1.94	32.36
1700.0	1.67	33.16	1.64	33.19	1.55	33.27	1.33	33.50
1800.0	1.89	33.43	1.86	33.47	1.79	33.54	1.59	33.73
1900.0	0.89	34.91	0.86	34.94	0.79	35.01	0.59	35.20
2000.0	-2.50	38.74	-2.53	38.77	-2.59	38.83	-2.76	39.00

VULB 9165 Correction for short measuring distance (antenna tip)
VULB 9165 Korrektur für kurze Meßentfernung (Spitze)

