

SCHWARZBECK MESS - ELEKTRONIK

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

VULB 9166

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	-6.84	5.02	-7.17	5.35	-7.90	6.08	-9.70	7.88
27.0	-6.11	4.96	-6.44	5.29	-7.17	6.02	-8.97	7.82
30.0	-6.84	6.60	-7.17	6.93	-7.90	7.66	-9.70	9.46
35.0	-6.56	7.66	-6.89	7.99	-7.62	8.72	-9.42	10.52
40.0	-6.28	8.54	-6.61	8.87	-7.34	9.60	-9.14	11.40
45.0	-4.58	7.86	-4.91	8.20	-5.64	8.93	-7.44	10.72
50.0	-2.56	6.76	-2.89	7.09	-3.62	7.82	-5.42	9.62
55.0	-4.13	9.16	-4.46	9.49	-5.19	10.22	-6.99	12.02
60.0	-1.59	7.37	-1.92	7.71	-2.65	8.43	-4.45	10.23
65.0	-0.27	6.75	-0.60	7.08	-1.33	7.81	-3.13	9.61
70.0	1.20	5.92	0.87	6.25	0.14	6.98	-1.66	8.78
75.0	1.28	6.44	0.95	6.77	0.22	7.50	-1.58	9.30
80.0	0.69	7.59	0.36	7.92	-0.37	8.65	-2.17	10.45
90.0	-0.40	9.70	-0.73	10.04	-1.46	10.77	-3.26	12.57
100.0	-0.55	10.77	-0.88	11.10	-1.61	11.83	-3.41	13.63
110.0	0.48	10.57	0.15	10.90	-0.58	11.63	-2.38	13.43
120.0	2.02	9.78	1.69	10.12	0.96	10.85	-0.84	12.64
125.0	2.10	10.06	1.77	10.39	1.04	11.12	-0.76	12.92
130.0	2.17	10.33	1.84	10.66	1.11	11.39	-0.69	13.19
140.0	0.86	12.28	0.53	12.61	-0.20	13.34	-2.00	15.14
150.0	0.45	13.29	0.12	13.62	-0.61	14.35	-2.41	16.15
160.0	-0.34	14.64	-0.67	14.97	-1.40	15.70	-3.20	17.50
170.0	-0.12	14.95	-0.45	15.28	-1.18	16.01	-2.98	17.81
175.0	2.98	12.10	2.65	12.43	1.92	13.16	0.12	14.96
180.0	3.91	11.42	3.60	11.73	2.91	12.41	1.21	14.12
190.0	4.56	11.24	4.28	11.51	3.67	12.13	2.12	13.68
200.0	4.53	11.71	4.29	11.95	3.74	12.50	2.35	13.89
225.0	6.23	11.03	6.05	11.21	5.66	11.61	4.61	12.65
250.0	7.38	10.80	7.26	10.92	7.00	11.18	6.28	11.90
275.0	6.90	12.11	6.83	12.18	6.66	12.35	6.19	12.82
300.0	6.93	12.83	6.90	12.87	6.81	12.95	6.59	13.17
325.0	7.08	13.38	7.08	13.38	7.08	13.38	7.08	13.38
350.0	7.42	13.68	7.45	13.66	7.51	13.59	7.68	13.42
375.0	7.40	14.30	7.45	14.25	7.58	14.13	7.94	13.76
400.0	7.48	14.79	7.55	14.71	7.73	14.53	8.25	14.01
425.0	7.38	15.41	7.47	15.32	7.69	15.10	8.34	14.44
450.0	7.23	16.06	7.34	15.94	7.60	15.68	8.39	14.89
475.0	7.00	16.76	7.12	16.63	7.42	16.34	8.31	15.44
500.0	6.99	17.21	7.13	17.07	7.47	16.73	8.50	15.69
550.0	7.05	17.98	7.21	17.82	7.60	17.42	8.83	16.20
600.0	7.06	18.73	7.24	18.54	7.67	18.11	9.05	16.73
650.0	6.34	20.14	6.54	19.94	7.02	19.46	8.55	17.92
700.0	6.83	20.29	7.04	20.08	7.55	19.57	9.21	17.91
750.0	6.75	20.97	6.97	20.75	7.52	20.20	9.31	18.41

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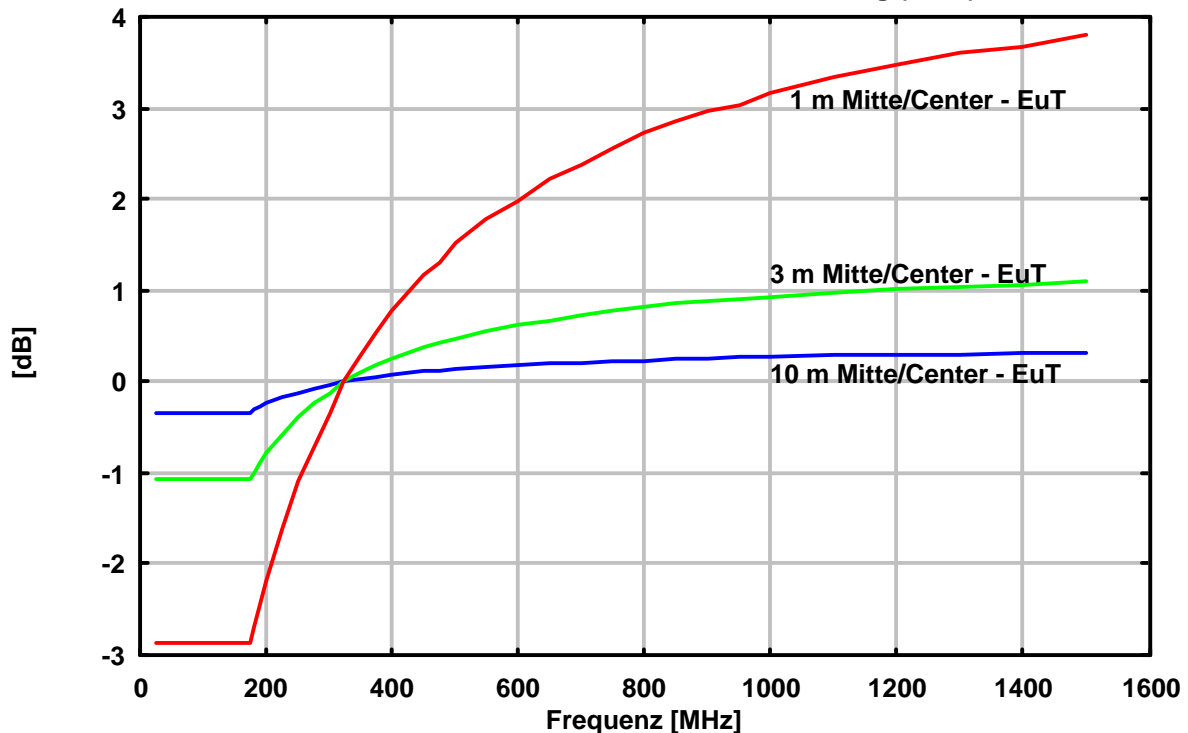
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VULB 9166

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
800.0	6.65	21.63	6.89	21.39	7.47	20.81	9.38	18.90
850.0	6.70	22.11	6.95	21.86	7.55	21.26	9.55	19.26
900.0	6.52	22.78	6.78	22.53	7.40	21.90	9.49	19.81
950.0	6.44	23.34	6.70	23.07	7.34	22.44	9.48	20.30
1000.0	6.80	23.42	7.07	23.15	7.73	22.49	9.96	20.26
1100.0	6.03	25.02	6.31	24.74	7.01	24.04	9.38	21.67
1200.0	6.23	25.57	6.52	25.28	7.24	24.56	9.71	22.10
1300.0	6.06	26.44	6.36	26.14	7.10	25.39	9.67	22.83
1400.0	5.32	27.83	5.62	27.52	6.38	26.76	9.00	24.15
1500.0	5.70	28.04	6.01	27.73	6.79	26.95	9.51	24.23

VULB 9166 Correction for short measuring distance (center of antenna)
VULB 9166 Korrektur für kurze Meßentfernung (Mitte)



0 dB: Fernfeld-Daten / Farfield data

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VULB 9166

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	-6.84	5.02	-7.49	5.67	-8.85	7.03	-11.85	10.03
27.0	-6.11	4.96	-6.76	5.61	-8.12	6.96	-11.12	9.97
30.0	-6.84	6.60	-7.49	7.25	-8.85	8.61	-11.85	11.61
35.0	-6.56	7.66	-7.21	8.31	-8.57	9.67	-11.57	12.67
40.0	-6.28	8.54	-6.93	9.19	-8.29	10.55	-11.29	13.55
45.0	-4.58	7.86	-5.23	8.52	-6.59	9.87	-9.59	12.87
50.0	-2.56	6.76	-3.21	7.41	-4.57	8.77	-7.57	11.77
55.0	-4.13	9.16	-4.78	9.81	-6.14	11.16	-9.14	14.17
60.0	-1.59	7.37	-2.24	8.03	-3.60	9.38	-6.60	12.38
65.0	-0.27	6.75	-0.92	7.40	-2.28	8.76	-5.28	11.76
70.0	1.20	5.92	0.55	6.57	-0.81	7.93	-3.81	10.93
75.0	1.28	6.44	0.63	7.09	-0.73	8.45	-3.73	11.45
80.0	0.69	7.59	0.04	8.24	-1.32	9.60	-4.32	12.60
90.0	-0.40	9.70	-1.05	10.36	-2.41	11.71	-5.41	14.71
100.0	-0.55	10.77	-1.20	11.42	-2.56	12.78	-5.56	15.78
110.0	0.48	10.57	-0.17	11.22	-1.53	12.58	-4.53	15.58
120.0	2.02	9.78	1.37	10.44	0.01	11.79	-2.99	14.79
125.0	2.10	10.06	1.45	10.71	0.09	12.07	-2.91	15.07
130.0	2.17	10.33	1.52	10.98	0.16	12.34	-2.84	15.34
140.0	0.86	12.28	0.21	12.93	-1.15	14.29	-4.15	17.29
150.0	0.45	13.29	-0.20	13.94	-1.56	15.30	-4.56	18.30
160.0	-0.34	14.64	-0.99	15.29	-2.35	16.65	-5.35	19.65
170.0	-0.12	14.95	-0.77	15.60	-2.13	16.96	-5.13	19.96
175.0	2.98	12.10	2.33	12.75	0.97	14.11	-2.03	17.11
180.0	3.91	11.42	3.28	12.05	1.96	13.37	-0.98	16.30
190.0	4.56	11.24	3.96	11.83	2.70	13.09	-0.13	15.92
200.0	4.53	11.71	3.96	12.28	2.77	13.47	0.05	16.19
225.0	6.23	11.03	5.73	11.54	4.66	12.61	2.17	15.09
250.0	7.38	10.80	6.94	11.24	5.98	12.20	3.71	14.46
275.0	6.90	12.11	6.50	12.51	5.62	13.38	3.52	15.48
300.0	6.93	12.83	6.56	13.20	5.77	14.00	3.82	15.94
325.0	7.08	13.38	6.75	13.71	6.02	14.44	4.22	16.24
350.0	7.42	13.68	7.11	13.99	6.44	14.67	4.75	16.35
375.0	7.40	14.30	7.12	14.58	6.49	15.21	4.92	16.78
400.0	7.48	14.79	7.22	15.04	6.64	15.62	5.17	17.09
425.0	7.38	15.41	7.14	15.65	6.59	16.20	5.20	17.59
450.0	7.23	16.06	7.00	16.28	6.49	16.79	5.19	18.10
475.0	7.00	16.76	6.79	16.97	6.30	17.45	5.06	18.69
500.0	6.99	17.21	6.79	17.41	6.35	17.85	5.19	19.01
550.0	7.05	17.98	6.87	18.15	6.48	18.55	5.43	19.60
600.0	7.06	18.73	6.90	18.88	6.54	19.24	5.59	20.20
650.0	6.34	20.14	6.20	20.28	5.87	20.60	5.01	21.46
700.0	6.83	20.29	6.70	20.42	6.41	20.72	5.62	21.51
750.0	6.75	20.97	6.63	21.09	6.37	21.35	5.65	22.07

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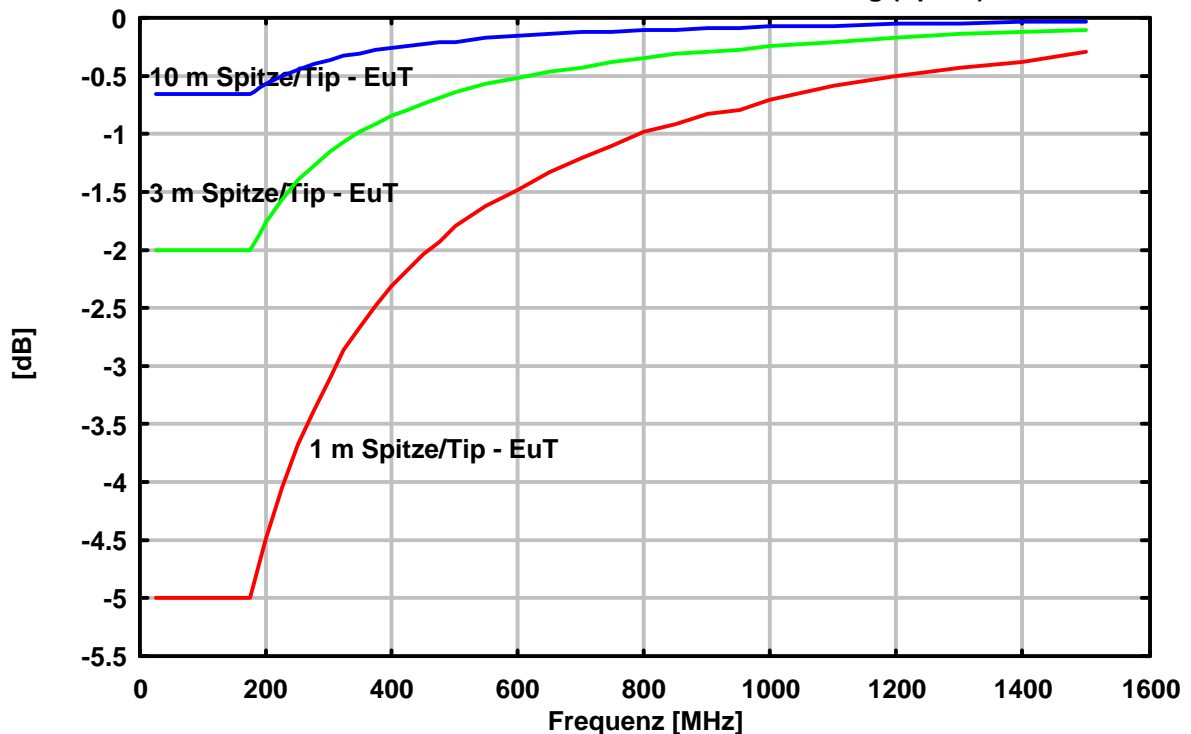
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Korrekturdaten für kurze Meßentfernung (Antennenspitze) Correction for Short Measuring Distance (Antenna tip)

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
800.0	6.65	21.63	6.55	21.74	6.31	21.97	5.67	22.62
850.0	6.70	22.11	6.60	22.20	6.39	22.42	5.79	23.01
900.0	6.52	22.78	6.43	22.87	6.24	23.07	5.69	23.61
950.0	6.44	23.34	6.36	23.42	6.17	23.61	5.65	24.12
1000.0	6.80	23.42	6.73	23.49	6.56	23.66	6.09	24.13
1100.0	6.03	25.02	5.97	25.08	5.83	25.22	5.44	25.61
1200.0	6.23	25.57	6.18	25.63	6.06	25.75	5.72	26.08
1300.0	6.06	26.44	6.02	26.48	5.92	26.58	5.64	26.86
1400.0	5.32	27.83	5.28	27.86	5.19	27.95	4.94	28.20
1500.0	5.70	28.04	5.67	28.07	5.60	28.14	5.40	28.34

VULB 9166 Correction for short measuring distance (antenna tip)
VULB 9166 Korrektur für kurze Meßentfernung (Spitze)



0 dB: Fernfeld-Daten / Farfield data