

SCHWARZBECK MESS - ELEKTRONIK

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

VULP 9118 A Korrekturdaten für kurze Meßentfernung VULP 9118 A Correction for Short Measuring Distance

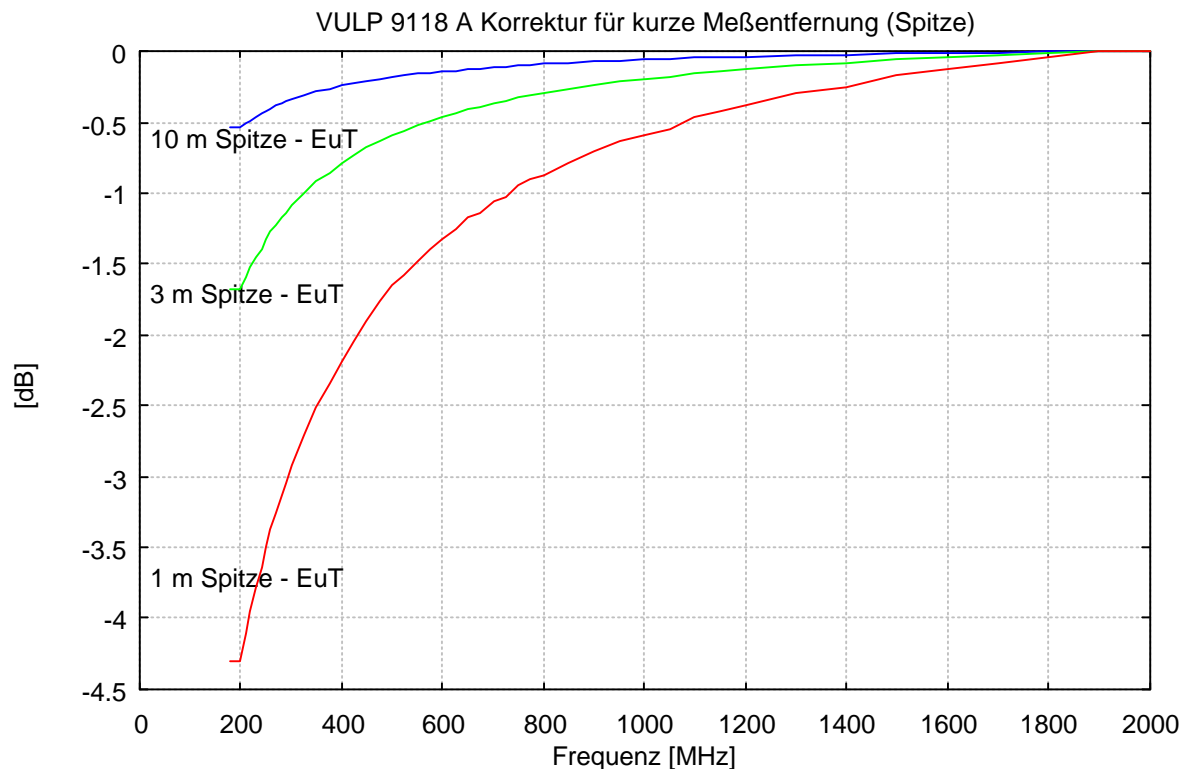
Frequency	Gain (Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant. Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
180.0	4.06	11.26	3.52	11.80	2.38	12.95	-0.24	15.56
190.0	4.91	10.89	4.37	11.42	3.23	12.56	0.61	15.18
200.0	5.50	10.74	4.96	11.28	3.82	12.42	1.20	15.04
210.0	5.97	10.69	5.46	11.20	4.37	12.29	1.86	14.80
220.0	6.53	10.54	6.04	11.02	5.01	12.06	2.58	14.48
230.0	6.90	10.55	6.44	11.02	5.45	12.00	3.12	14.33
240.0	7.12	10.71	6.68	11.14	5.73	12.09	3.48	14.34
250.0	7.13	11.04	6.71	11.47	5.80	12.38	3.64	14.54
260.0	7.11	11.41	6.71	11.81	5.83	12.69	3.73	14.79
270.0	7.07	11.77	6.68	12.16	5.84	13.00	3.81	15.03
280.0	7.06	12.11	6.69	12.47	5.88	13.28	3.92	15.24
290.0	7.05	12.42	6.69	12.78	5.91	13.56	4.00	15.46
300.0	7.04	12.72	6.70	13.06	5.95	13.81	4.12	15.64
325.0	7.13	13.33	6.82	13.64	6.13	14.32	4.43	16.03
350.0	7.23	13.87	6.94	14.16	6.31	14.79	4.72	16.38
375.0	7.26	14.44	6.99	14.71	6.41	15.29	4.91	16.79
400.0	7.26	15.00	7.02	15.25	6.47	15.79	5.08	17.18
425.0	7.26	15.53	7.03	15.75	6.52	16.26	5.22	17.57
450.0	7.17	16.12	6.96	16.32	6.49	16.80	5.27	18.02
475.0	7.13	16.62	6.94	16.82	6.50	17.25	5.37	18.39
500.0	7.14	17.06	6.96	17.24	6.55	17.65	5.48	18.72
525.0	7.21	17.41	7.04	17.59	6.65	17.97	5.63	19.00
550.0	7.15	17.87	6.99	18.04	6.63	18.40	5.68	19.35
575.0	7.11	18.30	6.96	18.45	6.62	18.80	5.71	19.70
600.0	7.05	18.74	6.91	18.88	6.58	19.20	5.72	20.06
625.0	6.88	19.26	6.75	19.39	6.44	19.70	5.63	20.51
650.0	6.67	19.81	6.54	19.93	6.26	20.22	5.49	20.98
675.0	6.72	20.09	6.60	20.21	6.32	20.48	5.58	21.22
700.0	6.82	20.30	6.71	20.41	6.45	20.67	5.76	21.36
725.0	6.93	20.50	6.82	20.60	6.58	20.85	5.91	21.52
750.0	6.90	20.82	6.80	20.92	6.57	21.15	5.95	21.77
775.0	6.92	21.08	6.82	21.18	6.61	21.40	6.01	21.99
800.0	6.86	21.42	6.77	21.51	6.56	21.72	5.99	22.29
850.0	6.85	21.95	6.77	22.04	6.58	22.23	6.06	22.75
900.0	6.65	22.66	6.58	22.73	6.41	22.90	5.94	23.36
950.0	6.66	23.11	6.60	23.18	6.45	23.33	6.03	23.74
1000.0	6.71	23.51	6.65	23.57	6.51	23.71	6.12	24.10
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Spitze der Log. - Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Tip of Log. - Per. Structure					

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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
1000.0	6.71	23.51	6.65	23.57	6.51	23.71	6.12	24.10
1050.0	6.69	23.95	6.63	24.01	6.50	24.14	6.14	24.50
1100.0	6.16	24.89	6.11	24.94	6.00	25.05	5.69	25.35
1150.0	6.24	25.19	6.20	25.24	6.10	25.34	5.82	25.62
1200.0	6.20	25.60	6.16	25.64	6.07	25.73	5.82	25.99
1300.0	5.97	26.53	5.94	26.56	5.87	26.63	5.67	26.83
1400.0	5.62	27.52	5.59	27.55	5.53	27.61	5.36	27.78
1500.0	5.59	28.15	5.57	28.17	5.53	28.21	5.42	28.32
1600.0	4.06	30.24	4.05	30.26	4.02	30.29	3.93	30.37
1700.0	3.21	31.62	3.20	31.63	3.18	31.65	3.12	31.71
1800.0	4.19	31.13	4.19	31.14	4.18	31.15	4.15	31.18
1900.0	4.06	31.73	4.06	31.74	4.06	31.74	4.06	31.74
2000.0	1.87	34.37	1.87	34.37	1.87	34.37	1.87	34.37
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Spitze der Log. - Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Tip of Log. - Per. Structure					



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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
180.0	4.06	11.26	3.79	11.54	3.18	12.15	1.65	13.68
190.0	4.91	10.89	4.64	11.16	4.03	11.77	2.50	13.30
200.0	5.50	10.74	5.23	11.01	4.62	11.62	3.09	13.15
210.0	5.97	10.69	5.73	10.94	5.18	11.48	3.79	12.87
220.0	6.53	10.54	6.31	10.76	5.82	11.25	4.56	12.51
230.0	6.90	10.55	6.71	10.75	6.27	11.18	5.14	12.32
240.0	7.12	10.71	6.95	10.88	6.56	11.26	5.54	12.29
250.0	7.13	11.04	6.98	11.20	6.64	11.54	5.73	12.45
260.0	7.11	11.41	6.98	11.54	6.67	11.85	5.86	12.66
270.0	7.07	11.77	6.95	11.89	6.69	12.16	5.97	12.88
280.0	7.06	12.11	6.96	12.20	6.73	12.43	6.11	13.05
290.0	7.05	12.42	6.96	12.50	6.77	12.70	6.22	13.25
300.0	7.04	12.72	6.97	12.79	6.81	12.95	6.37	13.39
325.0	7.13	13.33	7.09	13.37	7.00	13.46	6.75	13.71
350.0	7.23	13.87	7.22	13.88	7.19	13.91	7.10	14.00
375.0	7.26	14.44	7.27	14.43	7.29	14.41	7.35	14.35
400.0	7.26	15.00	7.29	14.97	7.36	14.90	7.57	14.69
425.0	7.26	15.53	7.31	15.48	7.42	15.37	7.75	15.04
450.0	7.17	16.12	7.24	16.05	7.39	15.89	7.85	15.44
475.0	7.13	16.62	7.21	16.54	7.41	16.34	8.00	15.76
500.0	7.14	17.06	7.24	16.96	7.46	16.73	8.15	16.05
525.0	7.21	17.41	7.31	17.31	7.56	17.06	8.32	16.30
550.0	7.15	17.87	7.27	17.76	7.55	17.48	8.41	16.62
575.0	7.11	18.30	7.24	18.18	7.54	17.87	8.47	16.94
600.0	7.05	18.74	7.19	18.60	7.51	18.27	8.51	17.27
625.0	6.88	19.26	7.02	19.11	7.37	18.77	8.45	17.69
650.0	6.67	19.81	6.82	19.65	7.19	19.29	8.34	18.14
675.0	6.72	20.09	6.88	19.93	7.26	19.55	8.44	18.36
700.0	6.82	20.30	6.99	20.14	7.39	19.73	8.65	18.47
725.0	6.93	20.50	7.10	20.33	7.51	19.91	8.81	18.61
750.0	6.90	20.82	7.08	20.64	7.51	20.21	8.89	18.83
775.0	6.92	21.08	7.10	20.90	7.55	20.46	8.97	19.04
800.0	6.86	21.42	7.05	21.23	7.51	20.78	8.96	19.32
850.0	6.85	21.95	7.05	21.76	7.53	21.28	9.06	19.74
900.0	6.65	22.66	6.86	22.45	7.36	21.95	8.98	20.33
950.0	6.66	23.11	6.88	22.90	7.40	22.37	9.10	20.67
1000.0	6.71	23.51	6.93	23.29	7.47	22.75	9.21	21.01
Bezugs - punkt:	Strahlungs- zone	Strahlungs- zone	Mitte der Log. Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Center of Log.-Per. Structure					

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Frequenz	Gewinn	Ant.Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dB <i>i</i>	dB/m	dB <i>i</i>	dB/m	dB <i>i</i>	dB/m	dB <i>i</i>	dB/m
1000.0	6.71	23.51	6.93	23.29	7.47	22.75	9.21	21.01
1050.0	6.69	23.95	6.91	23.73	7.46	23.18	9.25	21.40
1100.0	6.16	24.89	6.39	24.65	6.96	24.08	8.83	22.21
1150.0	6.24	25.19	6.48	24.96	7.06	24.37	8.97	22.46
1200.0	6.20	25.60	6.44	25.36	7.04	24.77	8.99	22.81
1300.0	5.97	26.53	6.22	26.28	6.84	25.66	8.88	23.61
1400.0	5.62	27.52	5.88	27.27	6.50	26.64	8.59	24.55
1500.0	5.59	28.15	5.85	27.89	6.51	27.24	8.69	25.05
1600.0	4.06	30.24	4.33	29.97	4.99	29.31	7.22	27.08
1700.0	3.21	31.62	3.48	31.35	4.16	30.67	6.43	28.40
1800.0	4.19	31.13	4.47	30.86	5.15	30.17	7.48	27.85
1900.0	4.06	31.73	4.34	31.45	5.04	30.76	7.41	28.39
2000.0	1.87	34.37	2.15	34.09	2.85	33.39	5.22	31.02
Bezugs - punkt:	Strahlungs- zone	Strahlungs- zone	Mitte der Log. Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Center of Log.-Per. Structure					

VULP 9118 A Korrektur für kurze Meßentfernung (Mitte)

