

SCHWARZBECK MESS - ELEKTRONIK

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

LOGBICON Breitband-Antenne VULB 9165 LOGBICON Broadband Antenna VULB 9165

Frequency MHz	Distance m	lambda m	Attenuat. dB	Gain(Isotr.) dBi	Gain,dipole dBd	Ant.-Factor dB/m
25.00	5.50	12.00	34.17	-9.48	-11.63	7.66
30.00	5.50	10.00	32.96	-8.08	-10.24	7.85
35.00	5.50	8.57	33.87	-7.87	-10.02	8.97
40.00	5.50	7.50	34.97	-7.84	-9.99	10.10
45.00	5.50	6.67	33.28	-6.48	-8.63	9.77
50.00	5.50	6.00	32.60	-5.69	-7.84	9.89
55.00	5.50	5.45	29.90	-3.92	-6.07	8.95
60.00	5.50	5.00	27.50	-2.34	-4.49	8.13
65.00	5.50	4.62	26.00	-1.25	-3.40	7.72
70.00	5.50	4.29	24.60	-0.22	-2.38	7.35
75.00	5.50	4.00	24.24	0.26	-1.90	7.47
80.00	5.50	3.75	24.00	0.66	-1.50	7.63
85.00	5.50	3.53	24.60	0.62	-1.53	8.19
90.00	5.50	3.33	25.35	0.49	-1.66	8.81
95.00	5.50	3.16	26.00	0.40	-1.75	9.37
100.00	5.50	3.00	26.80	0.22	-1.93	10.00
110.00	5.50	2.73	27.00	0.54	-1.61	10.51
120.00	5.50	2.50	26.30	1.27	-0.88	10.54
130.00	5.50	2.31	26.39	1.57	-0.58	10.93
140.00	5.50	2.14	26.78	1.70	-0.46	11.45
150.00	5.50	2.00	27.30	1.74	-0.42	12.01
160.00	5.50	1.88	26.30	2.52	0.36	11.79
170.00	5.40	1.76	24.56	3.57	1.42	11.26
180.00	5.32	1.67	22.30	4.88	2.73	10.44
190.00	5.24	1.58	20.76	5.82	3.67	9.97
200.00	5.17	1.50	19.89	6.42	4.27	9.82
210.00	5.11	1.43	19.55	6.75	4.60	9.91
220.00	5.06	1.36	19.30	7.03	4.88	10.04
225.00	5.03	1.33	19.42	7.05	4.90	10.22
230.00	5.00	1.30	19.55	7.06	4.91	10.40
240.00	4.96	1.25	19.75	7.10	4.95	10.72
250.00	4.91	1.20	19.80	7.21	5.06	10.97
260.00	4.87	1.15	20.30	7.10	4.95	11.42
270.00	4.84	1.11	21.17	6.79	4.64	12.05
275.00	4.82	1.09	21.80	6.54	4.39	12.46
280.00	4.80	1.07	21.70	6.66	4.51	12.51
290.00	4.77	1.03	22.00	6.63	4.48	12.84
300.00	4.74	1.00	22.21	6.64	4.49	13.12
330.00	4.66	0.91	22.41	6.88	4.73	13.71
350.00	4.61	0.86	22.27	7.17	5.02	13.93
370.00	4.57	0.81	22.40	7.31	5.16	14.28
400.00	4.52	0.75	22.77	7.41	5.26	14.85
430.00	4.48	0.70	23.83	7.15	5.00	15.74
450.00	4.45	0.67	24.42	7.03	4.88	16.26
470.00	4.42	0.64	25.04	6.88	4.73	16.78
500.00	4.39	0.60	25.52	6.88	4.73	17.32

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MHz	m	m	dB	dBi	dBd	dB/m
500.00	4.39	0.60	25.52	6.88	4.73	17.32
530.00	4.36	0.57	25.85	6.94	4.78	17.77
550.00	4.34	0.55	26.54	6.73	4.58	18.29
570.00	4.33	0.53	26.50	6.89	4.74	18.45
600.00	4.30	0.50	26.98	6.85	4.70	18.93
630.00	4.28	0.48	28.50	6.28	4.13	19.92
650.00	4.27	0.46	28.87	6.22	4.07	20.26
670.00	4.26	0.45	28.60	6.47	4.32	20.27
700.00	4.24	0.43	28.77	6.56	4.41	20.56
730.00	4.23	0.41	29.05	6.59	4.44	20.90
750.00	4.22	0.40	29.66	6.39	4.24	21.33
770.00	4.21	0.39	29.95	6.35	4.20	21.60
800.00	4.20	0.38	30.63	6.16	4.01	22.12
850.00	4.18	0.35	31.17	6.14	3.99	22.67
900.00	4.16	0.33	31.60	6.15	4.00	23.15
950.00	4.14	0.32	32.40	5.97	3.82	23.80
1000.00	4.13	0.30	32.45	6.16	4.00	24.06
1050.00	4.12	0.29	33.40	5.88	3.73	24.76
1100.00	4.11	0.27	34.70	5.42	3.27	25.63
1150.00	4.10	0.26	35.10	5.40	3.25	26.03
1200.00	4.09	0.25	35.71	5.27	3.12	26.53
1250.00	4.08	0.24	36.05	5.27	3.12	26.89
1300.00	4.07	0.23	37.00	4.96	2.81	27.54
1350.00	4.06	0.22	37.20	5.01	2.86	27.81
1400.00	4.06	0.21	38.40	4.56	2.41	28.58
1450.00	4.05	0.21	38.80	4.51	2.36	28.94
1500.00	4.04	0.20	39.80	4.15	2.00	29.59
1550.00	4.04	0.19	41.80	3.29	1.13	30.74
1600.00	4.03	0.19	44.00	2.32	0.17	31.98
1650.00	4.03	0.18	45.70	1.60	-0.55	32.97
1700.00	4.02	0.18	45.80	1.67	-0.48	33.16
1750.00	4.02	0.17	45.40	1.99	-0.16	33.09
1800.00	4.01	0.17	45.83	1.89	-0.26	33.43
1850.00	4.01	0.16	46.35	1.75	-0.40	33.81
1900.00	4.01	0.16	48.30	0.89	-1.26	34.91
1950.00	4.00	0.15	49.80	0.25	-1.91	35.78
2000.00	4.00	0.15	55.50	-2.50	-4.65	38.74

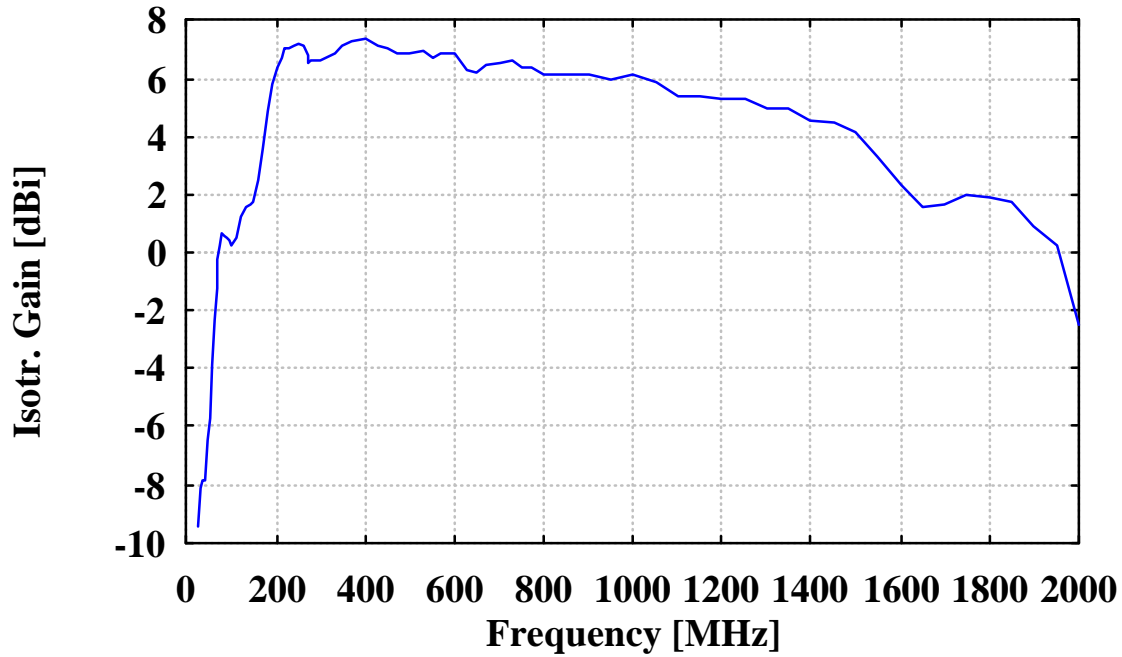
Messunsicherheit der Felddämpfungsmessungen $< \pm 0,1$ dB, Genauigkeitsklasse der
Antennendaten: 30 MHz - 60 MHz $\pm 1,5$ dB, 61 MHz - 1 GHz: $\pm 0,7$ dB, 1 GHz-2 GHz $\pm 1,5$ dB
Meas.Uncertainty of site attenuation: <0.1 dB, Accuracy Class of Antenna Data: see line above

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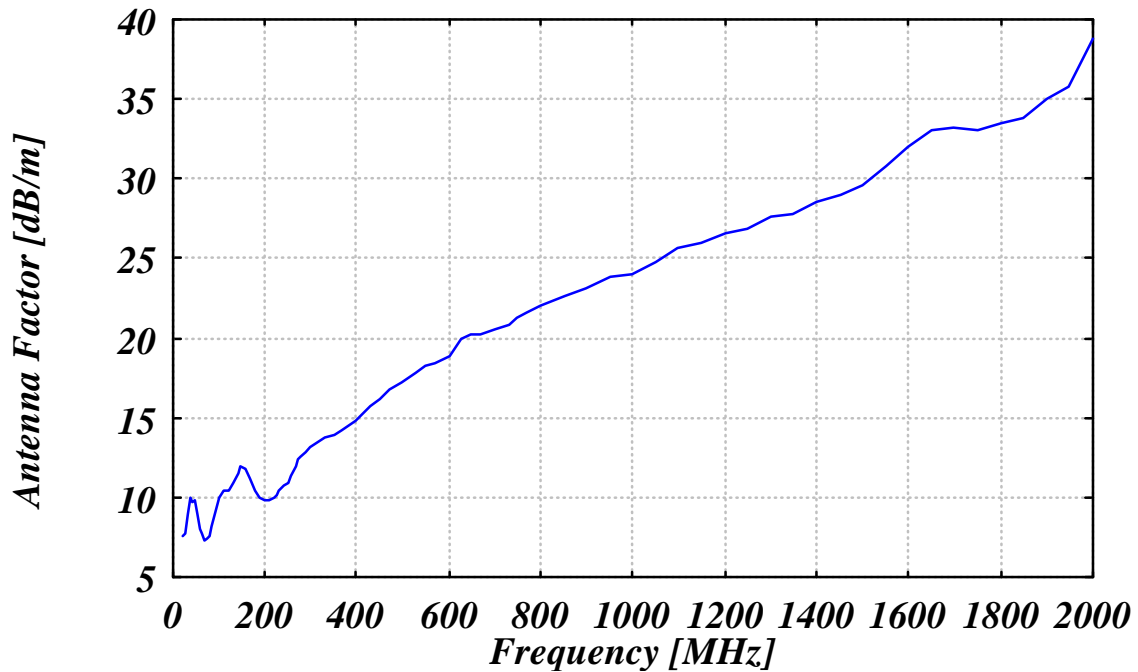
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Isotropic Gain



Antenna Factor

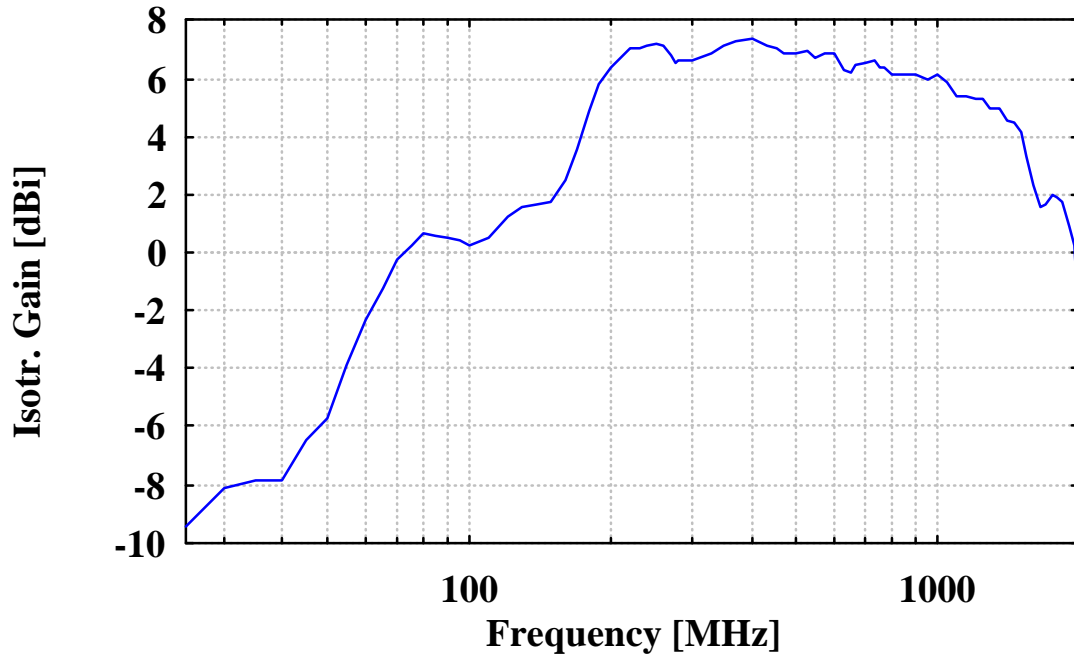


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Isotropic Gain



Antenna Factor

