

SCHWARZBECK MESS - ELEKTRONIK

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

VULB 9168 TRILOG Breitbandantenne VULB 9168 TRILOG Broad Band Antenna 10 W, 25 MHz...2GHz

Frequency MHz	Distance m	lambda m	Attenuat. dB	Gain(Isotr.) dBi	Gain,dipole dBd	Ant.-Factor dB/m
25.00	5.50	12.00	44.50	-14.65	-16.80	12.82
27.00	5.50	11.11	42.70	-13.41	-15.56	12.26
30.00	5.50	10.00	41.60	-12.40	-14.56	12.17
35.00	5.50	8.57	40.93	-11.40	-13.55	12.50
40.00	5.50	7.50	41.28	-10.99	-13.15	13.26
45.00	5.50	6.67	39.66	-9.67	-11.82	12.96
50.00	5.50	6.00	38.90	-8.84	-10.99	13.04
55.00	5.50	5.45	37.10	-7.52	-9.67	12.55
60.00	5.50	5.00	35.86	-6.52	-8.67	12.31
70.00	5.50	4.29	31.10	-3.47	-5.63	10.60
80.00	5.50	3.75	25.80	-0.24	-2.40	8.53
90.00	5.50	3.33	24.60	0.87	-1.28	8.44
100.00	5.50	3.00	25.03	1.11	-1.04	9.11
110.00	5.50	2.73	25.95	1.06	-1.09	9.98
120.00	5.50	2.50	27.20	0.82	-1.33	10.99
130.00	5.50	2.31	27.80	0.86	-1.29	11.63
140.00	5.50	2.14	27.90	1.14	-1.02	12.01
150.00	5.50	2.00	28.90	0.94	-1.22	12.81
160.00	5.50	1.88	28.25	1.54	-0.61	12.76
170.00	5.50	1.76	27.10	2.38	0.23	12.45
180.00	5.50	1.67	23.65	4.35	2.20	10.97
190.00	5.50	1.58	20.90	5.96	3.81	9.83
200.00	5.50	1.50	19.25	7.01	4.86	9.23
210.00	5.50	1.43	18.30	7.70	5.55	8.97
220.00	5.42	1.36	17.90	8.04	5.88	9.03
230.00	5.35	1.30	18.15	8.05	5.89	9.41
240.00	5.28	1.25	19.75	7.38	5.22	10.45
250.00	5.22	1.20	19.85	7.45	5.30	10.73
275.00	5.09	1.09	20.73	7.31	5.16	11.69
300.00	4.98	1.00	21.20	7.36	5.21	12.40
325.00	4.88	0.92	21.75	7.35	5.20	13.11
350.00	4.80	0.86	21.85	7.55	5.40	13.55
375.00	4.73	0.80	22.40	7.51	5.36	14.19
400.00	4.67	0.75	22.75	7.56	5.41	14.70
425.00	4.62	0.71	23.40	7.45	5.30	15.34
450.00	4.57	0.67	24.15	7.28	5.12	16.01
475.00	4.53	0.63	24.20	7.44	5.29	16.31
500.00	4.49	0.60	24.30	7.58	5.43	16.62
Frequency MHz	Distance m	lambda m	Attenuat. dB	Gain(Isotr.) dBi	Gain,dipole dBd	Ant.-Factor dB/m

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Frequency MHz	Distance m	lambda m	Attenuat. dB	Gain(Isotr.) dBi	Gain,dipole dBd	Ant.-Factor dB/m
500.00	4.49	0.60	24.30	7.58	5.43	16.62
525.00	4.45	0.57	24.80	7.51	5.36	17.12
550.00	4.42	0.55	25.90	7.13	4.98	17.90
575.00	4.39	0.52	26.90	6.79	4.64	18.62
600.00	4.36	0.50	27.70	6.55	4.40	19.23
625.00	4.34	0.48	28.25	6.43	4.28	19.71
650.00	4.32	0.46	28.30	6.55	4.40	19.93
675.00	4.30	0.44	28.30	6.70	4.54	20.11
700.00	4.28	0.43	28.50	6.73	4.58	20.39
750.00	4.24	0.40	30.15	6.17	4.02	21.55
800.00	4.21	0.38	30.90	6.05	3.90	22.24
850.00	4.18	0.35	31.02	6.22	4.07	22.59
900.00	4.16	0.33	31.20	6.36	4.20	22.95
950.00	4.14	0.32	32.75	5.79	3.64	23.98
1000.00	4.12	0.30	32.30	6.22	4.07	24.00
1100.00	4.09	0.27	34.50	5.50	3.35	25.55
1200.00	4.06	0.25	36.10	5.05	2.90	26.76
1300.00	4.04	0.23	37.50	4.67	2.52	27.83
1400.00	4.02	0.21	39.00	4.22	2.07	28.92
1500.00	4.00	0.20	39.40	4.30	2.15	29.44
1600.00	3.98	0.19	43.90	2.31	0.16	31.99
1700.00	3.97	0.18	46.50	1.26	-0.89	33.57
1800.00	3.96	0.17	46.80	1.35	-0.80	33.98
1900.00	3.95	0.16	48.70	0.62	-1.53	35.17
2000.00	3.94	0.15	55.00	-2.32	-4.47	38.56
Frequency MHz	Distance m	lambda m	Attenuat. dB	Gain(Isotr.) dBi	Gain,dipole dBd	Ant.-Factor dB/m

Isotropgewinn der LOGBICON-Triangel-Messantenne mit verminderter Elementbreite von 1,49 m (bei Vertikal-Montage 25 cm Bodenabstand bei h=1 m), Typ VULB 9168, 30...1000 MHz Nominalbereich, kalibriert und einsetzbar von 25 MHz bis 2 GHz; Darstellung mit linearer Frequenzachse. (Freiraum-Fernfeld-Daten, Messunsicherheit im nom. Bereich < 1 dB).

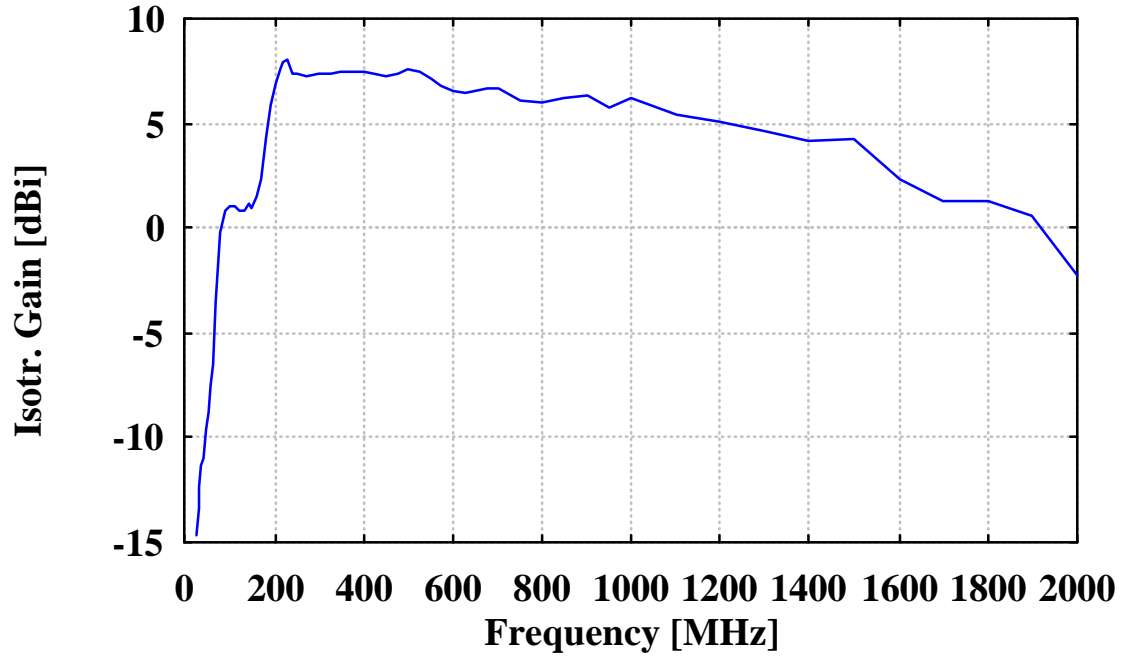
Isotropic Gain (free-space, far field) of LOGBICON Triangle Calibrated Test Antenna model VULB 9168 with reduced total element width of 1.49m (with 25 cm / 10" ground clearance in case of vertical polarised mounting 1m over ground plane),nominal frequency range 30 ... 1000 MHz, calibrated and useable from 25 MHz to 2 GHz in one range. Gain plot with LIN scale.

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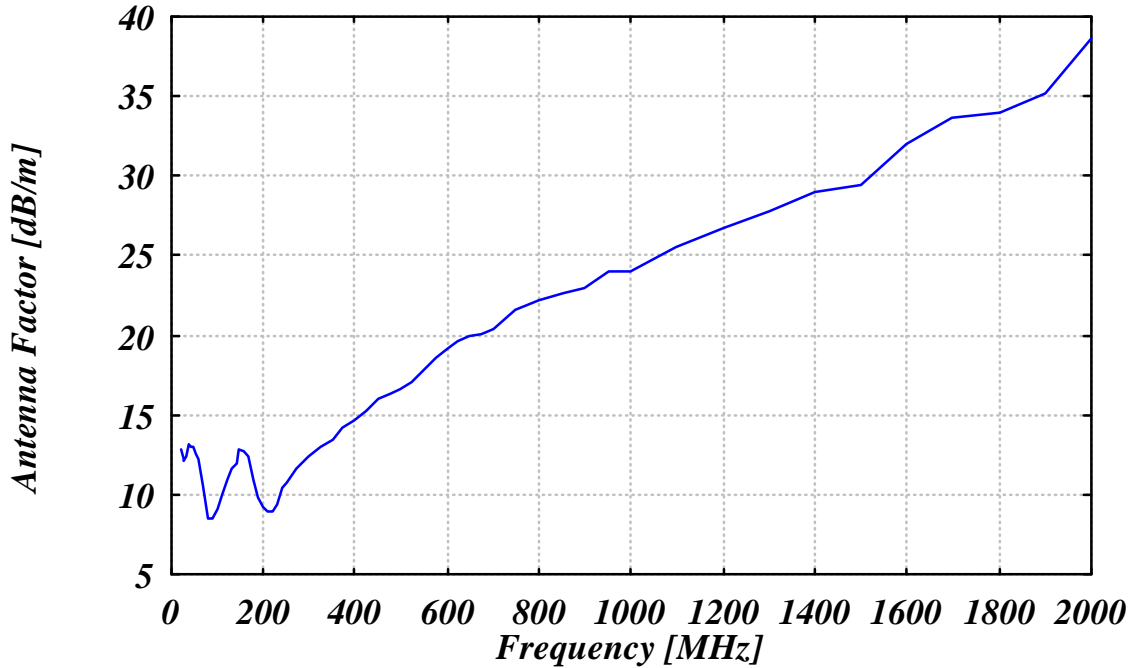
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Isotropic Gain



Antenna Factor



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