

# SCHWARZBECK MESS - ELEKTRONIK

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

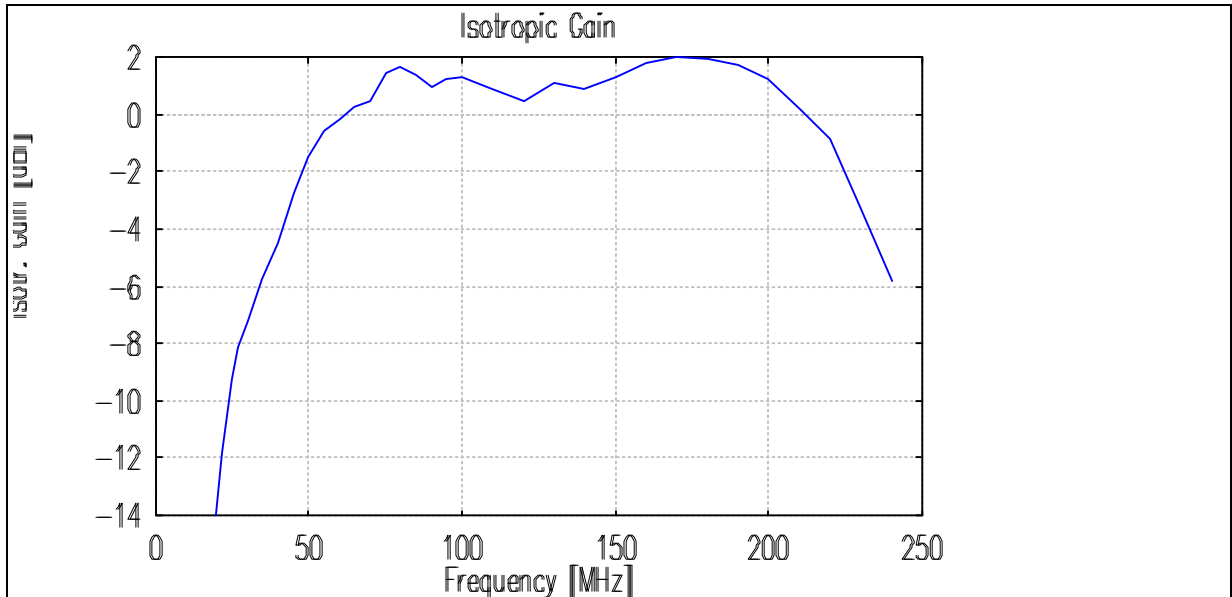
**1 kW-Faltbikonus-Antenne FBAL 9178 in Balun VHBC 9133, Freiraum**  
**1 kW Collapsible Bicone Ant. FBAL 9178 in Balun VHBC 9133 71001**

Frequency	Distance	lambda	Attenuat.	Gain (Isotrop.)	Gain, (Dipole)	Ant.-Fctr.
MHz	m	m	dB	dBi	dBd	dB/m
20.00	4.00	15.00	38.50	-14.00	-16.15	10.24
22.00	4.00	13.64	35.00	-11.83	-13.99	8.90
25.00	4.00	12.00	31.00	-9.28	-11.43	7.46
27.00	4.00	11.11	29.40	-8.14	-10.30	6.99
30.00	4.00	10.00	28.50	-7.24	-9.39	7.00
35.00	4.00	8.57	26.90	-5.77	-7.92	6.87
40.00	4.00	7.50	25.50	-4.49	-6.64	6.75
45.00	4.00	6.67	23.00	-2.73	-4.88	6.01
50.00	4.00	6.00	21.40	-1.47	-3.62	5.67
55.00	4.00	5.45	20.50	-0.60	-2.76	5.63
60.00	4.00	5.00	20.40	-0.18	-2.33	5.96
65.00	4.00	4.62	20.30	0.22	-1.93	6.26
70.00	4.00	4.29	20.50	0.44	-1.71	6.68
75.00	4.00	4.00	19.10	1.44	-0.71	6.28
80.00	4.00	3.75	19.30	1.62	-0.53	6.66
85.00	4.00	3.53	20.30	1.39	-0.76	7.42
90.00	4.00	3.33	21.60	0.98	-1.17	8.32
95.00	4.00	3.16	21.50	1.27	-0.88	8.50
100.00	4.00	3.00	21.90	1.29	-0.86	8.93
110.00	4.00	2.73	23.50	0.91	-1.24	10.14
120.00	4.00	2.50	25.10	0.48	-1.67	11.32
130.00	4.00	2.31	24.60	1.08	-1.07	11.42
140.00	4.00	2.14	25.60	0.90	-1.25	12.24
150.00	4.00	2.00	25.45	1.28	-0.87	12.46
160.00	4.00	1.88	25.00	1.78	-0.37	12.52
170.00	4.00	1.76	25.10	2.00	-0.15	12.83
180.00	4.00	1.67	25.70	1.95	-0.21	13.38
190.00	4.00	1.58	26.60	1.73	-0.42	14.06
200.00	4.00	1.50	28.00	1.25	-0.90	14.99
210.00	4.00	1.43	30.50	0.21	-1.94	16.45
220.00	4.00	1.36	33.10	-0.88	-3.03	17.95
230.00	4.00	1.30	38.20	-3.24	-5.39	20.69
240.00	4.00	1.25	43.70	-5.81	-7.96	23.63

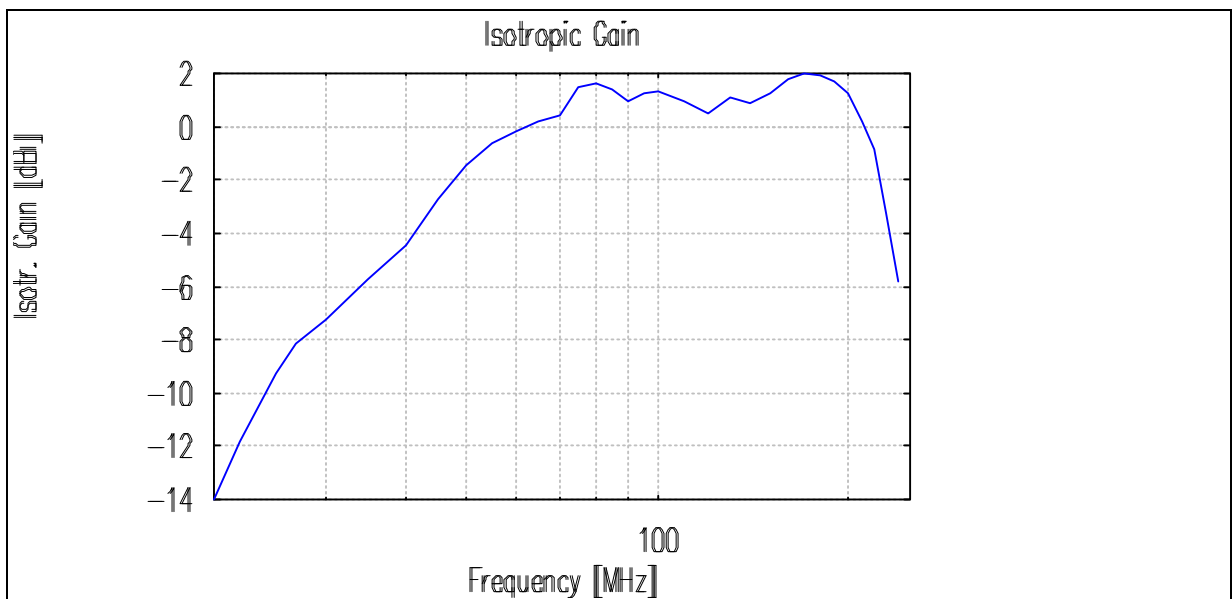
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LOG f

**Isotropiegewinn unter  
Freiraumbedingungen, Fernfeld**

Hochleistungs-Antenne, Messung über Ferrit-  
Mantel wellen-Dämpfungselemente; Vorzug:  
Sendeantenne

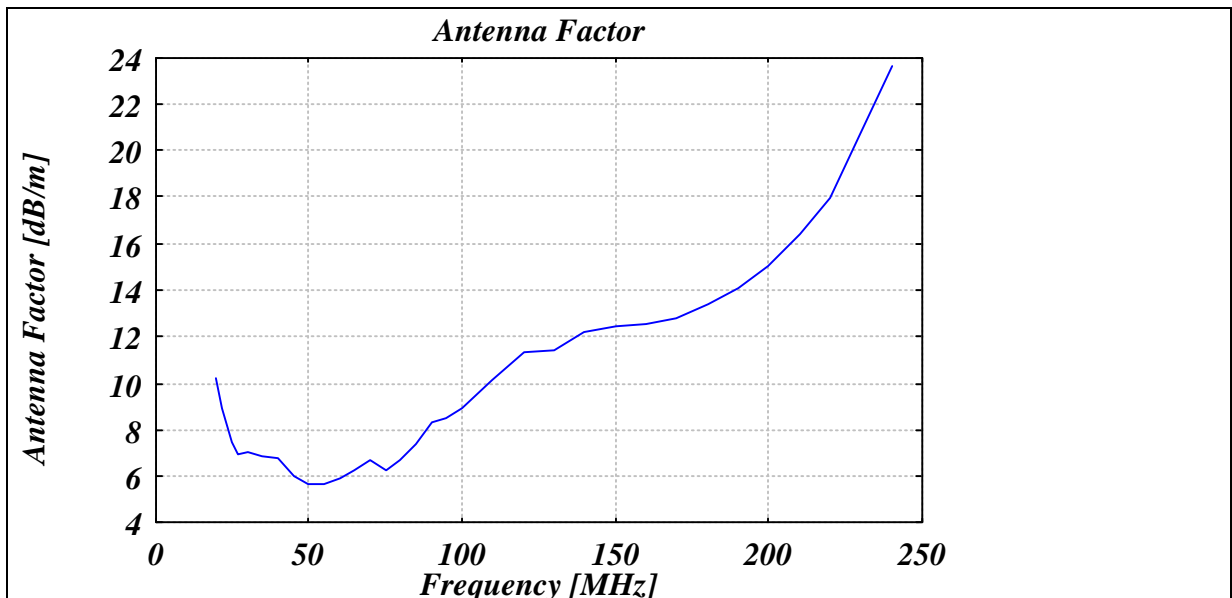
***Isotr. Gain, free-space, far  
field***

*-High-Power Transmit Antenna,  
preferably for transmit applic.*

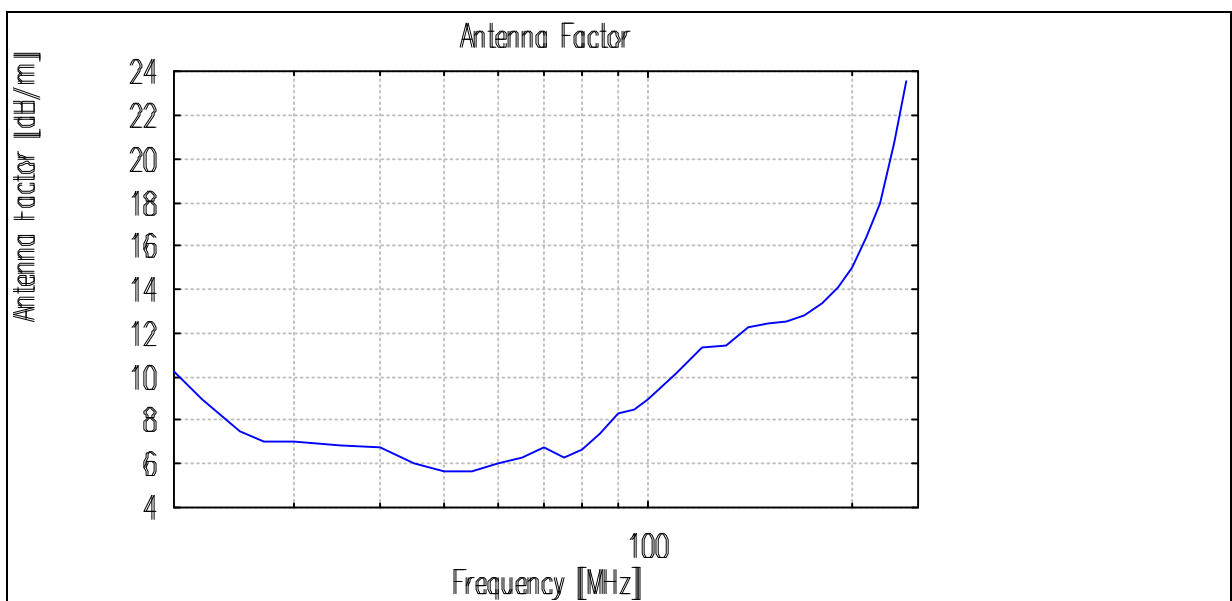
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LOG f

## **Hochleistungs-Messantenne 1 kW**

großer Faltbikonus FBAC 9178 / VHBC 9133 mit Einschränkung als Empfangsantenne.  
Vorzugstyp für Feldstärkemessung: VHBB 9124 mit Faltbikonus FBAB 9177 oder FBAL 9178.

## **High-Power Test Antenna 1 kW**

Large collapsible bicone FBAC 9178 in Balun VHBC 9133;  
For emission meas. prefer FBAC in high-symmetry balun VHBB 9124 with FBAB 9177 or FBAL 9178.