

SCHWARZBECK MESS - ELEKTRONIK

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

RE 1790 VHF- UHF Rundempfangsantenne RE 1790 VHF-UHF Omnidirectional Antenna



Technische Daten:

Vertikal polarisierte VHF-UHF-
Bikonus-Breitbandantenne mit
Rundstrahlcharakteristik in der
H-Ebene

Frequenzbereich:	230 - 1000 MHz
Nutzbarer Frequenzbereich:	170 – 1100 MHz
Anschluß: Buchse	50 W N
Befestigungsrohr:	22 mm
Isotropgewinn:	typ. -3...+2.5 dBi
Antennenwandlungsmaß:	20 ... 33 dB/m
SWR typ.:	2...3
SWR max.:	5
Max. Eingangsleistung:	200 W
Halbwertsbreite E-Ebene:	80° - 50°
Gewicht:	950 g
Elementabmessungen:	250 x 250 x 450 mm
Höhe über alles:	760 mm

Specifications:

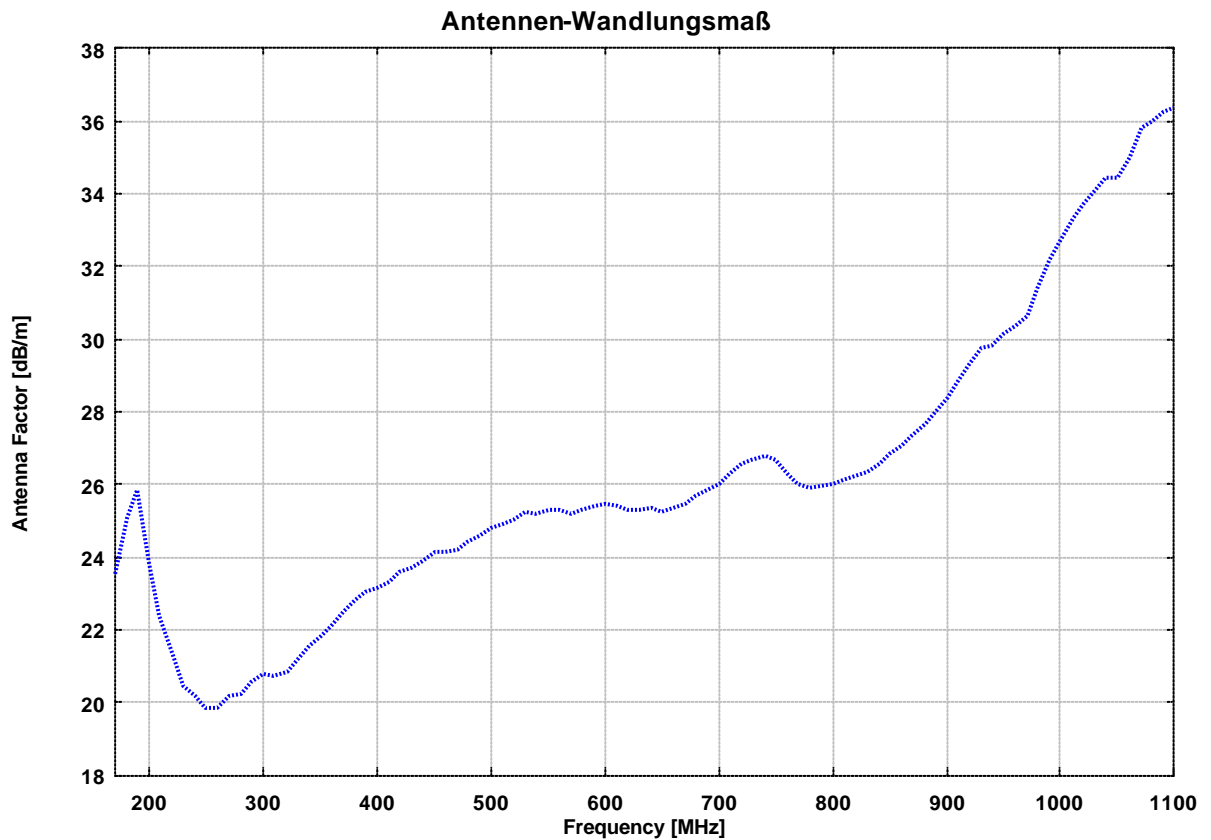
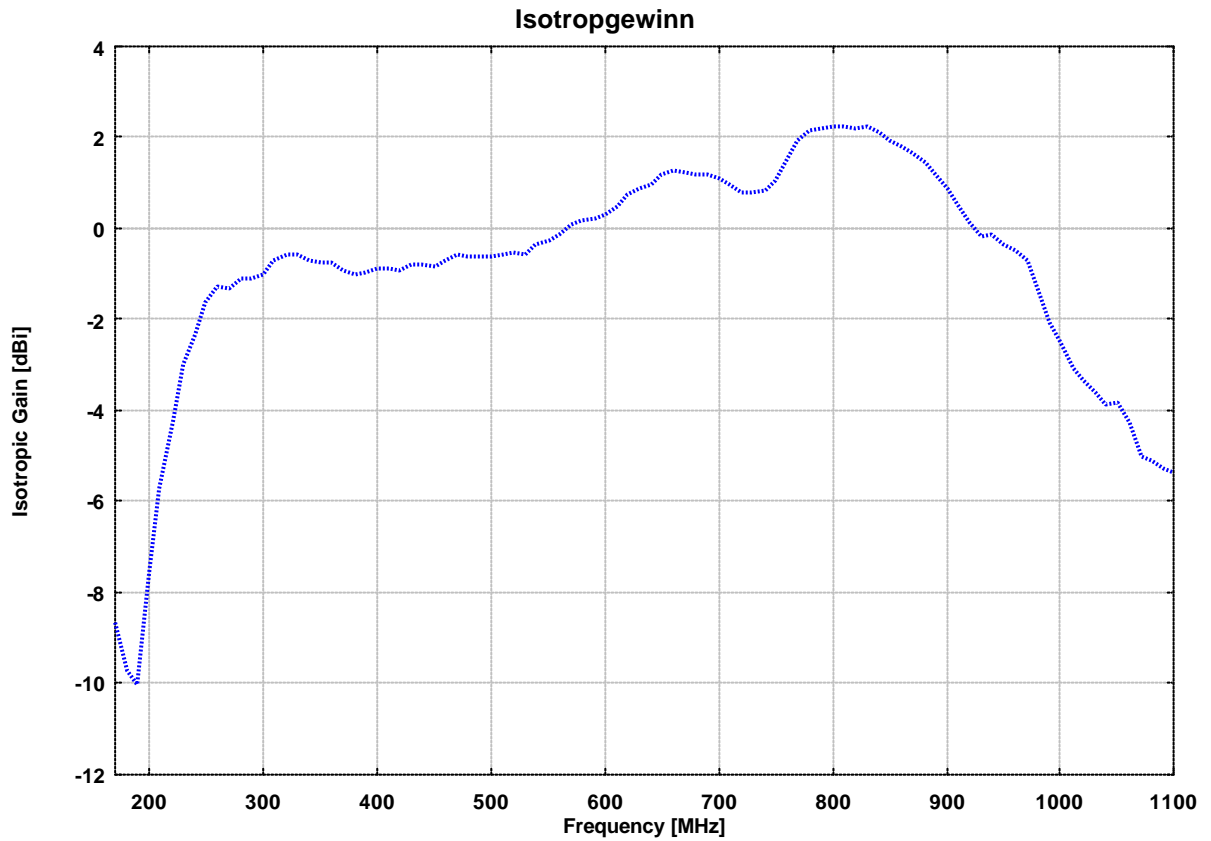
Vertical polarised VHF-UHF
biconical broadband antenna with
omnidirectional H-plane pattern.

Frequenzbereich:	230 - 1000 MHz
Useable Frequency Range:	170 - 1100 MHz
Connector: female	50 W N
Mounting tube:	22 mm
Isotropic gain:	typ. -3...+2.5 dBi
Antenna Factor:	20 ... 33 dB/m
SWR typ.:	2...3
SWR max.:	5
Max. Input Power:	200 W
Half-Power Beamwidth (E-plane):	80° - 50°
Weight:	950 g
Element Dimensions:	250 x 250 x 450 mm
Total Height:	760 mm

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Frequency	Wavelength	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
Frequenz	Wellenlänge	Isotrop-gewinn	Gewinn über Dipol	Ant.-Wand-lungsmaß
MHz	m	dBi	dBd	dB/m
170.00	1.76	-8.66	-10.81	23.49
180.00	1.67	-9.73	-11.88	25.06
190.00	1.58	-10.01	-12.17	25.81
200.00	1.50	-7.57	-9.73	23.82
210.00	1.43	-5.71	-7.86	22.38
220.00	1.36	-4.21	-6.36	21.28
230.00	1.30	-3.01	-5.16	20.47
240.00	1.25	-2.34	-4.49	20.16
250.00	1.20	-1.63	-3.78	19.81
260.00	1.15	-1.30	-3.45	19.82
270.00	1.11	-1.31	-3.46	20.15
280.00	1.07	-1.09	-3.25	20.26
290.00	1.03	-1.08	-3.23	20.55
300.00	1.00	-1.00	-3.15	20.76
310.00	0.97	-0.69	-2.84	20.74
320.00	0.94	-0.55	-2.70	20.87
330.00	0.91	-0.56	-2.71	21.15
340.00	0.88	-0.71	-2.86	21.56
350.00	0.86	-0.73	-2.88	21.83
360.00	0.83	-0.74	-2.89	22.09
370.00	0.81	-0.94	-3.09	22.53
380.00	0.79	-1.02	-3.17	22.83
390.00	0.77	-0.96	-3.12	23.01
400.00	0.75	-0.87	-3.02	23.13
410.00	0.73	-0.88	-3.03	23.36
420.00	0.71	-0.91	-3.06	23.59
430.00	0.70	-0.81	-2.96	23.70
440.00	0.68	-0.78	-2.93	23.87
450.00	0.67	-0.85	-3.00	24.13
460.00	0.65	-0.68	-2.83	24.16
470.00	0.64	-0.56	-2.71	24.22
480.00	0.63	-0.59	-2.75	24.44
490.00	0.61	-0.58	-2.73	24.60
500.00	0.60	-0.58	-2.73	24.77
510.00	0.59	-0.54	-2.69	24.91
520.00	0.58	-0.51	-2.66	25.05
530.00	0.57	-0.56	-2.71	25.27
540.00	0.56	-0.34	-2.50	25.21
550.00	0.55	-0.27	-2.42	25.30
560.00	0.54	-0.13	-2.28	25.31
570.00	0.53	0.12	-2.03	25.22
580.00	0.52	0.19	-1.96	25.30
590.00	0.51	0.20	-1.95	25.44
600.00	0.50	0.32	-1.83	25.46
610.00	0.49	0.49	-1.66	25.44
620.00	0.48	0.77	-1.38	25.30
630.00	0.48	0.89	-1.26	25.31

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Frequency	Wavelength	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
Frequenz	Wellenlänge	Isotropgewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
MHz	m	dBi	dBd	dB/m
640.00	0.47	0.98	-1.17	25.36
650.00	0.46	1.22	-0.93	25.25
660.00	0.45	1.28	-0.87	25.33
670.00	0.45	1.26	-0.89	25.48
680.00	0.44	1.18	-0.97	25.69
690.00	0.43	1.17	-0.98	25.83
700.00	0.43	1.13	-1.02	25.99
710.00	0.42	0.96	-1.19	26.28
720.00	0.42	0.82	-1.34	26.55
730.00	0.41	0.81	-1.34	26.67
740.00	0.41	0.83	-1.32	26.78
750.00	0.40	1.08	-1.07	26.64
760.00	0.39	1.55	-0.61	26.29
770.00	0.39	1.95	-0.20	26.00
780.00	0.38	2.17	0.02	25.89
790.00	0.38	2.24	0.09	25.93
800.00	0.38	2.27	0.12	26.01
810.00	0.37	2.26	0.11	26.13
820.00	0.37	2.24	0.09	26.26
830.00	0.36	2.26	0.11	26.34
840.00	0.36	2.14	-0.01	26.56
850.00	0.35	1.94	-0.21	26.87
860.00	0.35	1.82	-0.33	27.09
870.00	0.34	1.67	-0.48	27.34
880.00	0.34	1.46	-0.69	27.65
890.00	0.34	1.22	-0.93	27.99
900.00	0.33	0.92	-1.23	28.38
910.00	0.33	0.57	-1.58	28.83
920.00	0.33	0.14	-2.01	29.36
930.00	0.32	-0.18	-2.33	29.77
940.00	0.32	-0.14	-2.29	29.82
950.00	0.32	-0.34	-2.49	30.11
960.00	0.31	-0.48	-2.64	30.35
970.00	0.31	-0.69	-2.85	30.65
980.00	0.31	-1.34	-3.49	31.39
990.00	0.30	-2.04	-4.19	32.17
1000.00	0.30	-2.48	-4.63	32.70
1010.00	0.30	-3.05	-5.21	33.36
1020.00	0.29	-3.35	-5.51	33.75
1030.00	0.29	-3.61	-5.76	34.09
1040.00	0.29	-3.86	-6.01	34.42
1050.00	0.29	-3.81	-5.96	34.45
1060.00	0.28	-4.28	-6.43	35.00
1070.00	0.28	-5.00	-7.16	35.81
1080.00	0.28	-5.13	-7.28	36.02
1090.00	0.28	-5.30	-7.45	36.27
1100.00	0.27	-5.35	-7.50	36.40