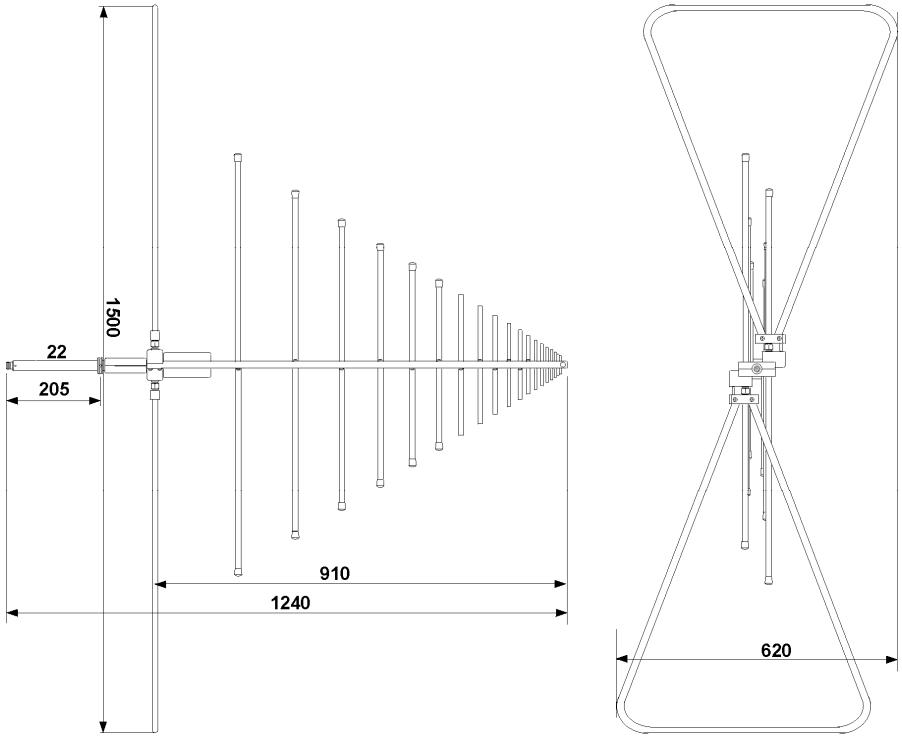
VULB 9163 TRILOG Breitband Antenne 30 - 3000 MHz
VULB 9163 TRILOG Broadband Antenna 30 - 3000 MHz

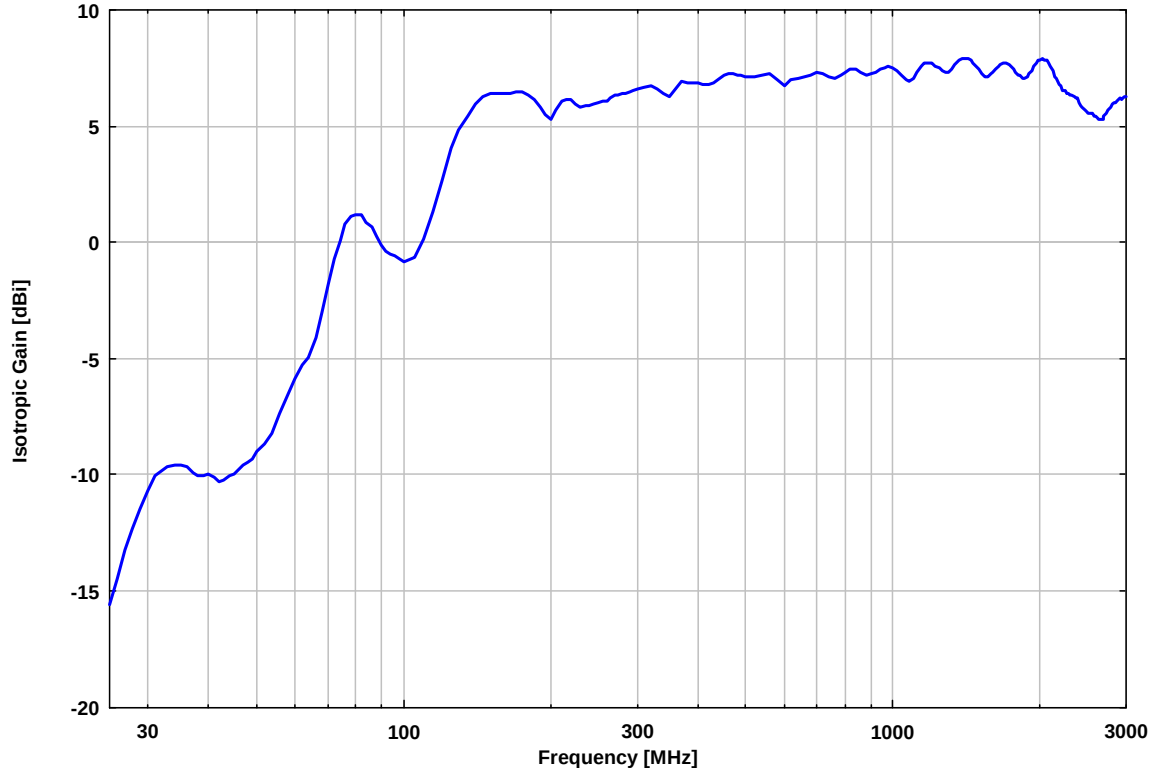


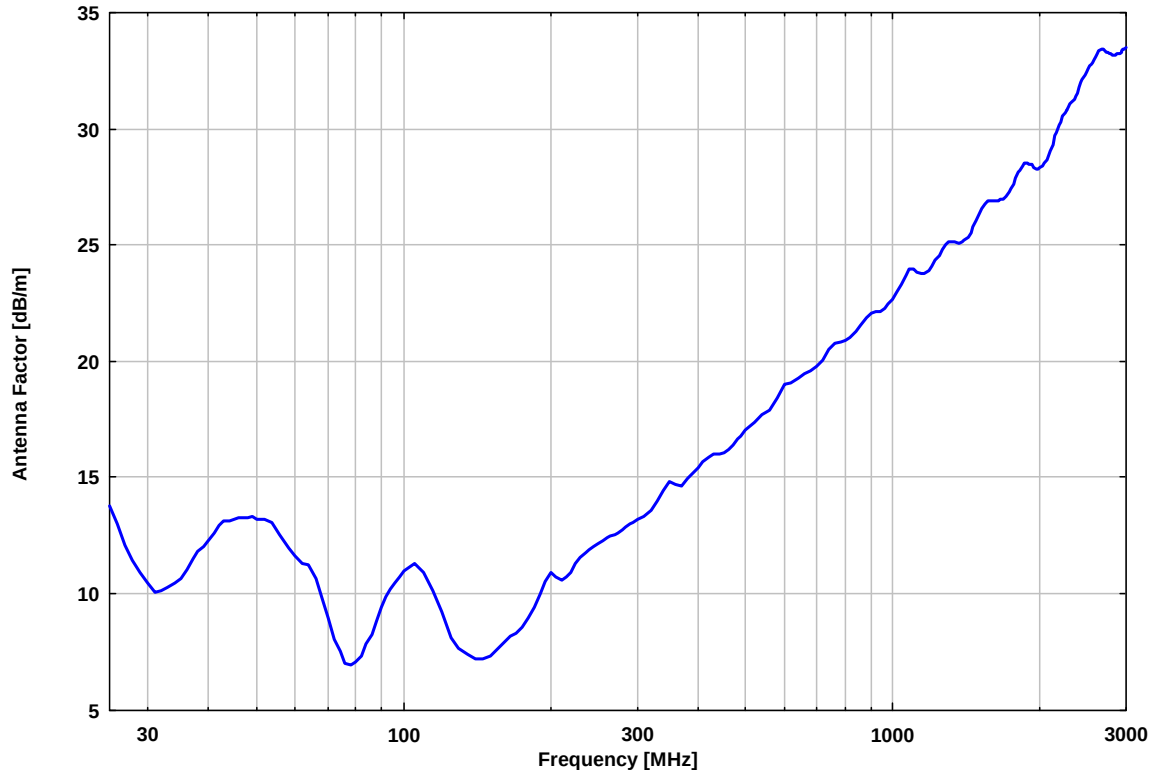
Bauart:
Linear polarisierte Logarithmisch Periodische Breitbandantenne mit 4:1 Breitbanddipol in Aluminium-ausführung für Empfangs- und Sendeanwendungen

Type:
Linear polarized Logarithmic Periodic Broadband Antenna combined with a 4:1 Broadband Dipole (Aluminium tubing) for Receive and Transmit Applications

Technische Daten:		***Specifications:***
Frequenzbereich, nominell:	30 MHz...3 GHz	*Nominal Frequency Range:*
Nutzbarer Frequenzbereich:	25 MHz ... 4 GHz	*Usable Frequency Range:*
Isotropgewinn im LP-Bereich:	6.4+/- 1.2 dBi	*Isotropic Gain (LP-Section):*
Antennenfaktor:	7 ... 34 dB/m	*Antenna Factor:*
Impedanz, nominell:	50 Ω	*Nominal Impedance:*
Stehwellenverhältnis SWR typisch:	<1.5	*Standing Wave Ratio SWR typical:*
Vor- Rückverhältnis:	20 dB (f > 150 MHz)	*Front to Back Ratio:*
Polarisationsentkopplung:	>20 dB (30 MHz...1 GHz)	*Cross Polarisation:*
3 dB Öffnungswinkel typ.(E-Ebene):	45°-65° (f > 150 MHz)	*3 dB Beamwidth typ. (E-Plane):*
3 dB Öffnungswinkel typ.(E-Ebene):	≈78° (f < 150 MHz)	*3 dB Beamwidth typ. (E-Plane):*
3 dB Öffnungswinkel typ.(H-Ebene):	90°-120° (f > 150 MHz)	*3 dB Beamwidth typ. (H-Plane):*
Max. Eingangsleistung:	200 W (intermitt.) 100 W (cont.)	*Max. Input Power:*
Anschlußart: N-Buchse		*N-Connector female*
Halterung: 22 mm Rohr, Rastring		*Mount: 22 mm Tube, Indexing Ring*
Breite x Länge x Dicke:	1500 x 910 (1240) x 620 mm	*Width x Length x Thickness:*
Gewicht:	3.1 kg	*Weight:*

0755.161220


Isotropic Gain [dBi]
10
5
0
-5
-10
-15
-20
30
100
300
1000
3000
Frequency [MHz]


Antenna Factor [dB/m]
35
30
25
20
15
10
5
30
100
300
1000
3000
Frequency [MHz]

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
25.00	-15.60	13.78
26.00	-14.46	12.97
27.00	-13.25	12.10
28.00	-12.31	11.47
29.00	-11.45	10.92
30.00	-10.68	10.45
31.00	-10.04	10.09
32.00	-9.81	10.13
33.00	-9.66	10.25
34.00	-9.58	10.43
35.00	-9.57	10.67
36.00	-9.67	11.02
37.00	-9.92	11.50
38.00	-10.04	11.86
39.00	-10.02	12.06
40.00	-10.00	12.26
41.00	-10.13	12.61
42.00	-10.28	12.96
43.00	-10.22	13.11
44.00	-10.05	13.14
45.00	-9.93	13.22
46.00	-9.78	13.26
47.00	-9.59	13.25
48.00	-9.44	13.28
49.00	-9.32	13.34
50.00	-9.01	13.21
52.00	-8.66	13.20
54.00	-8.19	13.06
56.00	-7.35	12.54
58.00	-6.45	11.94
60.00	-5.83	11.61
62.00	-5.24	11.31
64.00	-4.90	11.24
66.00	-4.06	10.67
68.00	-2.95	9.82
70.00	-1.83	8.95
72.00	-0.71	8.07
74.00	0.11	7.50
76.00	0.82	7.02
78.00	1.10	6.96
80.00	1.22	7.07
82.00	1.19	7.30
84.00	0.89	7.82
86.00	0.65	8.26
88.00	0.26	8.85
90.00	-0.11	9.41
92.00	-0.35	9.85
94.00	-0.49	10.18
96.00	-0.60	10.46
98.00	-0.71	10.75
100.00	-0.79	11.01
105.00	-0.65	11.29
110.00	0.13	10.92

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
115.00	1.31	10.12
120.00	2.61	9.20
125.00	4.06	8.10
130.00	4.83	7.67
135.00	5.46	7.37
140.00	5.94	7.20
145.00	6.27	7.17
150.00	6.38	7.36
155.00	6.41	7.61
160.00	6.40	7.90
165.00	6.41	8.16
170.00	6.49	8.34
175.00	6.52	8.56
180.00	6.37	8.96
185.00	6.17	9.40
190.00	5.81	9.99
195.00	5.48	10.54
200.00	5.33	10.91
205.00	5.73	10.72
210.00	6.10	10.56
215.00	6.16	10.71
220.00	6.14	10.93
225.00	5.98	11.28
230.00	5.86	11.59
235.00	5.87	11.78
240.00	5.89	11.93
245.00	5.96	12.05
250.00	6.02	12.16
255.00	6.07	12.29
260.00	6.12	12.40
265.00	6.22	12.47
270.00	6.33	12.52
275.00	6.37	12.64
280.00	6.40	12.77
285.00	6.41	12.91
290.00	6.46	13.01
295.00	6.53	13.09
300.00	6.59	13.18
310.00	6.68	13.37
320.00	6.72	13.61
330.00	6.60	13.99
340.00	6.38	14.47
350.00	6.27	14.83
360.00	6.65	14.69
370.00	6.93	14.66
380.00	6.86	14.96
390.00	6.87	15.17
400.00	6.84	15.42
410.00	6.80	15.68
420.00	6.81	15.87
430.00	6.89	16.00
440.00	7.05	16.04
450.00	7.20	16.08

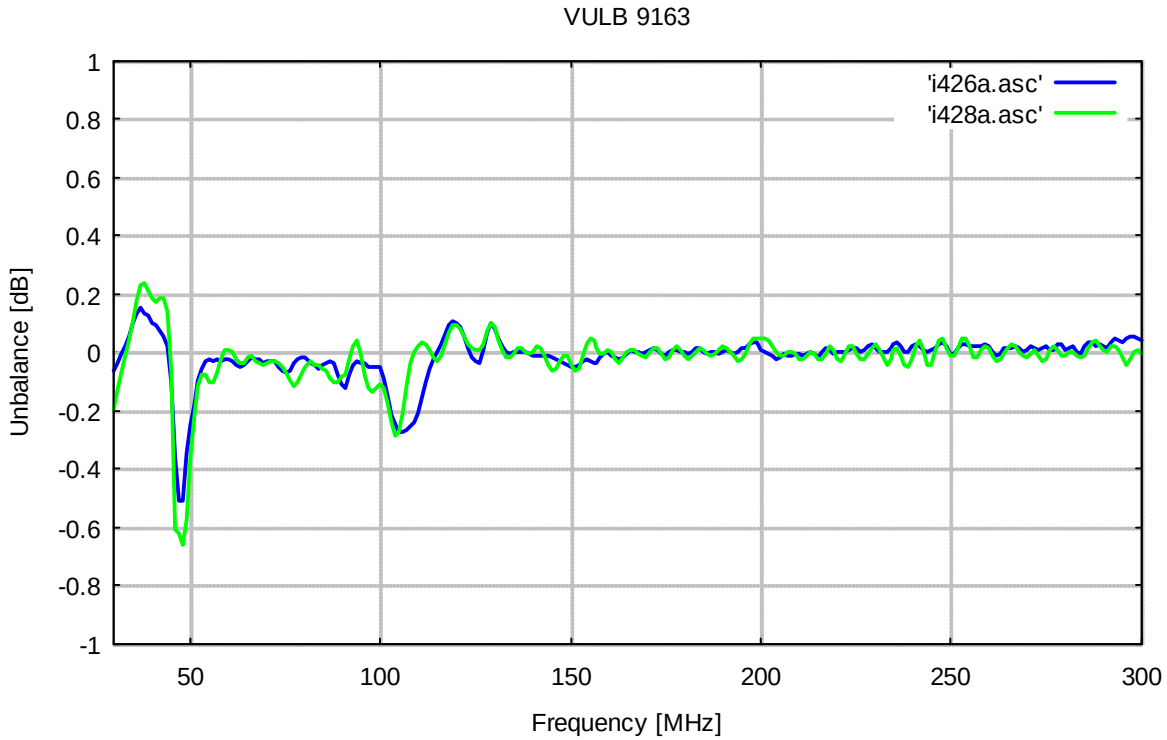
Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
460.00	7.26	16.22
470.00	7.25	16.41
480.00	7.19	16.65
490.00	7.20	16.82
500.00	7.17	17.03
520.00	7.16	17.38
540.00	7.19	17.67
560.00	7.30	17.89
580.00	7.03	18.45
600.00	6.74	19.04
620.00	6.98	19.09
640.00	7.08	19.26
660.00	7.12	19.49
680.00	7.23	19.64
700.00	7.33	19.79
720.00	7.27	20.10
740.00	7.10	20.51
760.00	7.07	20.77
780.00	7.23	20.83
800.00	7.36	20.92
820.00	7.43	21.06
840.00	7.43	21.28
860.00	7.33	21.58
880.00	7.22	21.89
900.00	7.25	22.06
920.00	7.36	22.14
940.00	7.50	22.18
960.00	7.55	22.31
980.00	7.56	22.48
1000.00	7.54	22.68
1020.00	7.42	22.97
1040.00	7.23	23.33
1060.00	7.00	23.72
1080.00	6.92	23.97
1100.00	7.07	23.98
1120.00	7.36	23.84
1140.00	7.60	23.76
1160.00	7.72	23.79
1180.00	7.74	23.92
1200.00	7.69	24.12
1220.00	7.59	24.36
1240.00	7.53	24.56
1260.00	7.41	24.82
1280.00	7.32	25.04
1300.00	7.35	25.15
1320.00	7.48	25.15
1340.00	7.64	25.12
1360.00	7.82	25.07
1380.00	7.90	25.12
1400.00	7.92	25.23
1420.00	7.90	25.37
1440.00	7.86	25.52
1460.00	7.70	25.80

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
1480.00	7.58	26.04
1500.00	7.43	26.31
1520.00	7.30	26.56
1540.00	7.17	26.80
1560.00	7.17	26.91
1580.00	7.25	26.95
1600.00	7.37	26.93
1620.00	7.49	26.92
1640.00	7.58	26.94
1660.00	7.66	26.96
1680.00	7.71	27.01
1700.00	7.70	27.13
1720.00	7.65	27.28
1740.00	7.58	27.45
1760.00	7.46	27.67
1780.00	7.31	27.91
1800.00	7.21	28.12
1820.00	7.18	28.24
1840.00	7.09	28.42
1860.00	7.06	28.55
1880.00	7.15	28.55
1900.00	7.29	28.51
1920.00	7.39	28.50
1940.00	7.59	28.39
1960.00	7.76	28.31
1980.00	7.84	28.32
2000.00	7.89	28.36
2020.00	7.92	28.41
2040.00	7.86	28.55
2060.00	7.83	28.66
2080.00	7.69	28.89
2100.00	7.62	29.04
2120.00	7.38	29.37
2140.00	7.14	29.69
2160.00	7.05	29.86
2180.00	6.83	30.16
2200.00	6.75	30.32
2220.00	6.58	30.56
2240.00	6.55	30.68
2260.00	6.45	30.85
2280.00	6.42	30.95
2300.00	6.35	31.10
2320.00	6.34	31.19
2340.00	6.32	31.28
2360.00	6.25	31.43
2380.00	6.20	31.55
2400.00	6.00	31.82
2420.00	5.92	31.98
2440.00	5.86	32.11
2460.00	5.69	32.35
2480.00	5.63	32.48
2500.00	5.56	32.62
2520.00	5.56	32.69

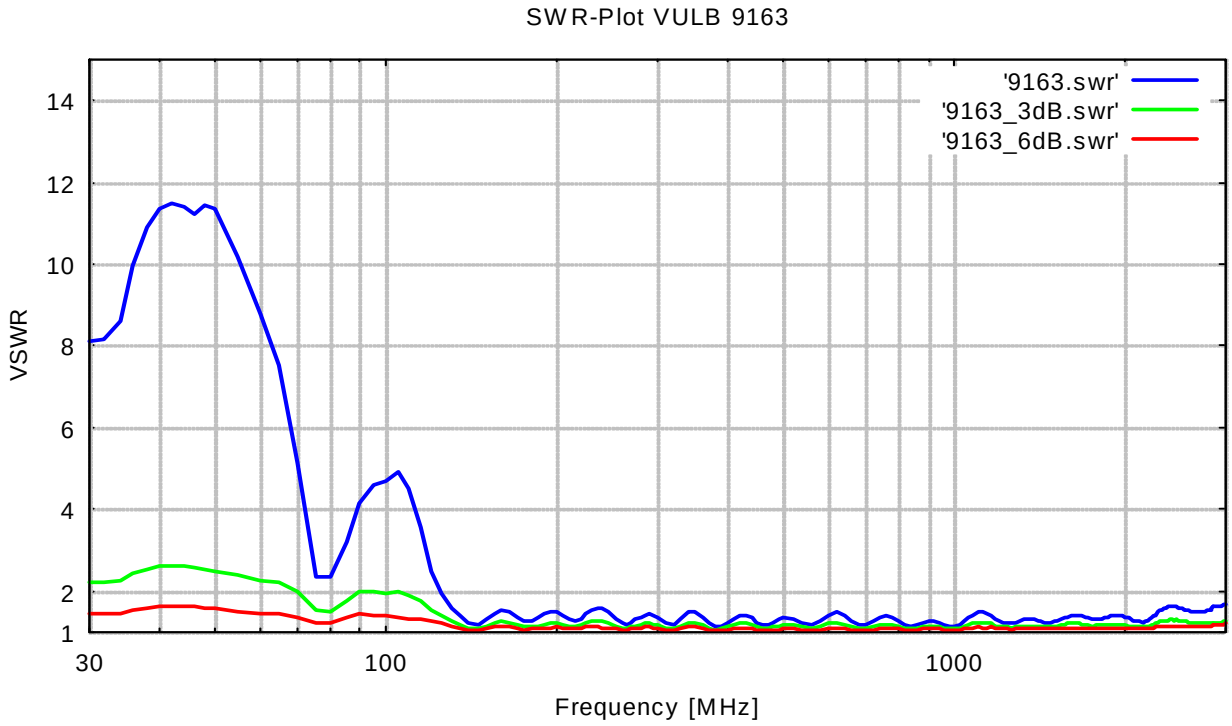
Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
2540.00	5.55	32.77
2560.00	5.55	32.84
2580.00	5.46	32.99
2600.00	5.41	33.11
2620.00	5.36	33.23
2640.00	5.28	33.37
2660.00	5.29	33.42
2680.00	5.34	33.44
2700.00	5.41	33.44
2720.00	5.59	33.33
2740.00	5.68	33.29
2760.00	5.78	33.26

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
2780.00	5.86	33.24
2800.00	5.95	33.21
2820.00	6.02	33.21
2840.00	6.06	33.22
2860.00	6.10	33.25
2880.00	6.15	33.26
2900.00	6.20	33.27
2920.00	6.19	33.33
2940.00	6.19	33.39
2960.00	6.23	33.42
2980.00	6.26	33.44
3000.00	6.27	33.49

Symmetrietest VULB 9163
Unbalance Test VULB 9163



Measured Balance data according to CISPR 16-1-4 DM/CM conversion check



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