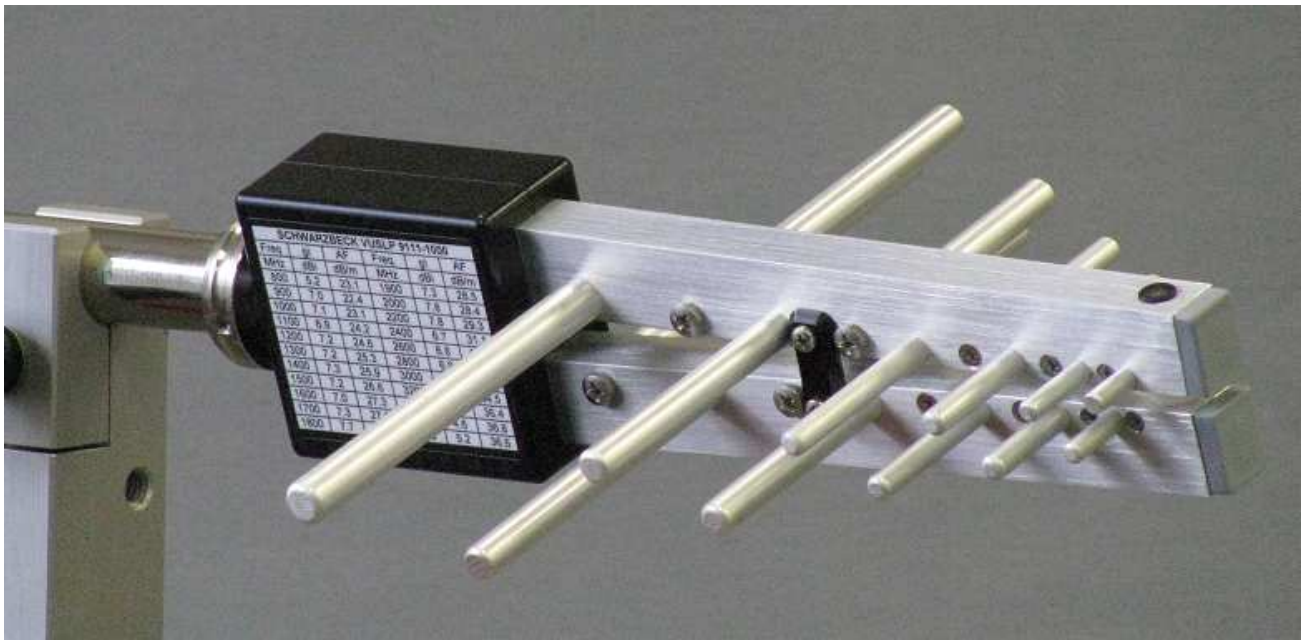
VUSLP 9111-1000

Log. - Per. Breitband-Antenne
Log. - Per. Broadband Antenna



Beschreibung:

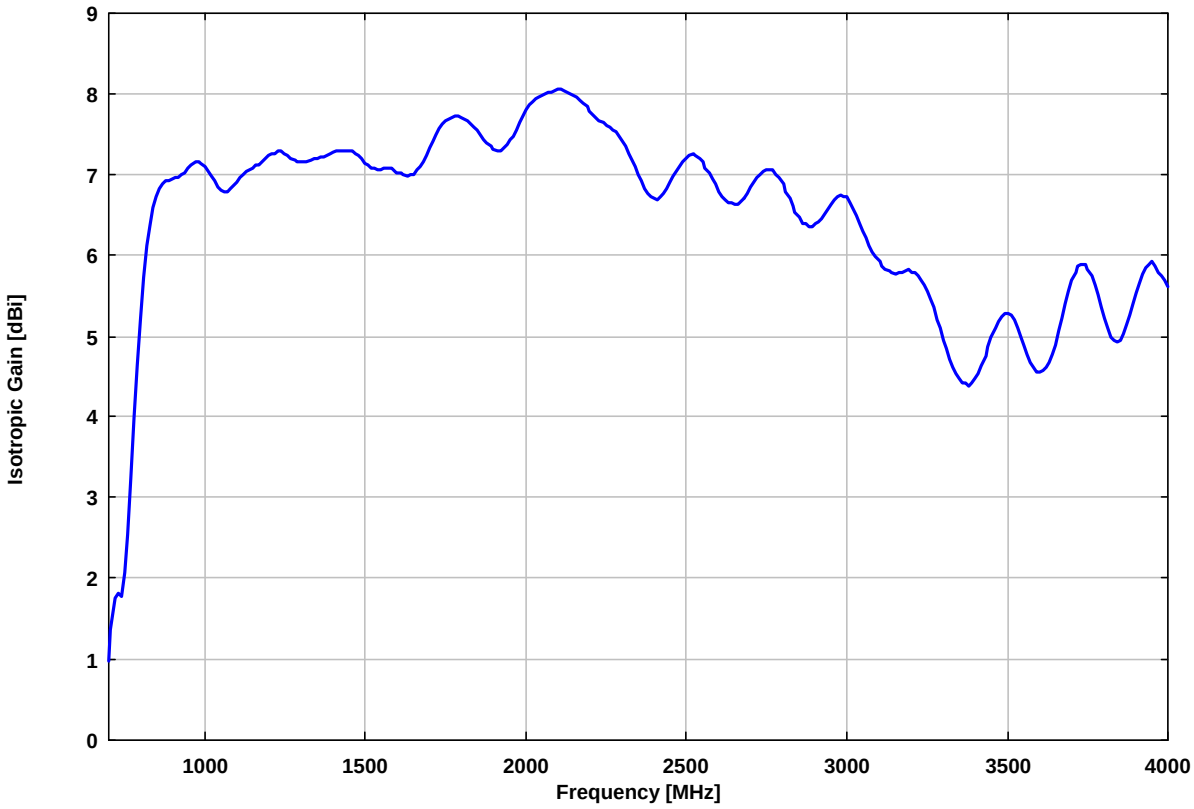
Bauart:
Linear polarisierte Logarithmisch Periodische Breitbandantenne in Aluminiumausführung für Empfangs- und Sendeanwendungen.

Description:

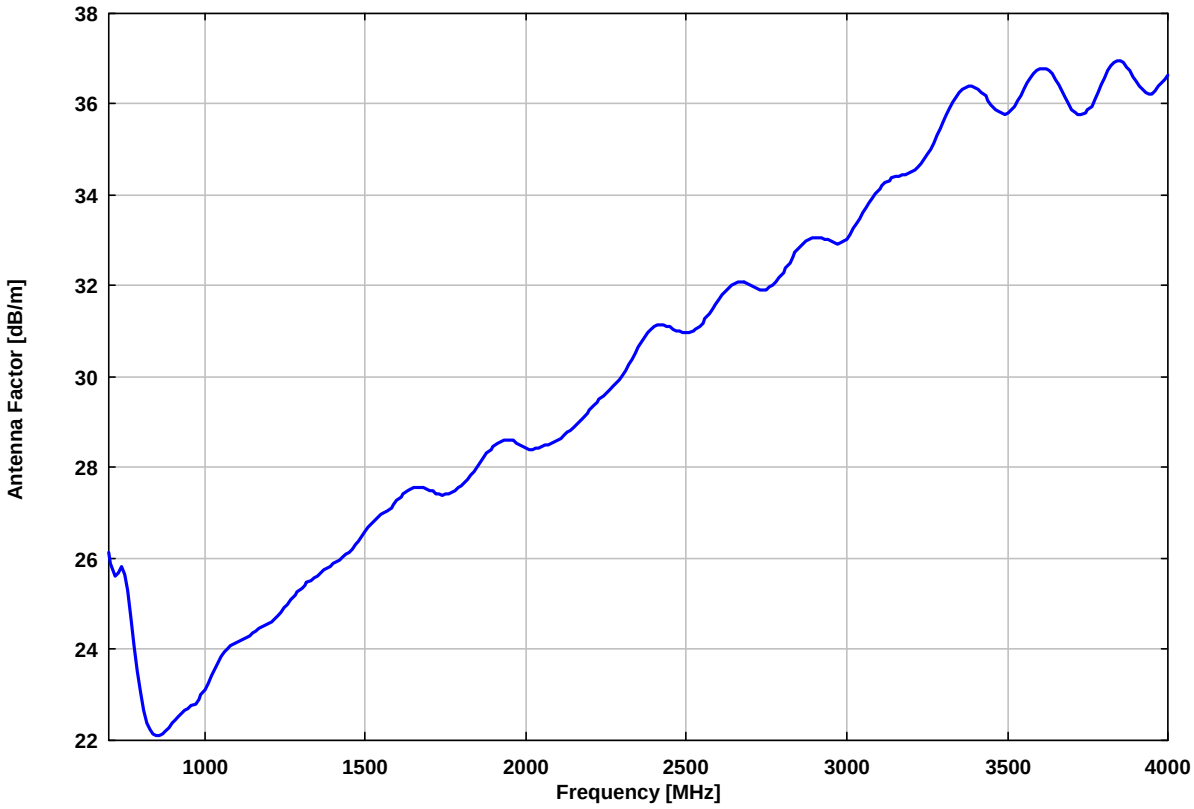
Type:
Linear polarized Logarithmic Periodic Broadband Antenna (Aluminium tubing) for Receive and Transmit Applications.

Technische Daten:		***Specifications:***
Frequenzbereich, nominell:	800 MHz...3 GHz	*Nominal Frequency Range:*
Nutzbarer Frequenzbereich:	750 MHz ... 4 GHz	*Usable Frequency Range:*
Isotropgewinn:	typ. 7 dBi + / - 1 dB	*Isotropic Gain:*
Antennenfaktor:	22 ... 34 dB/m	*Antenna Factor:*
Impedanz, nominell:	50 Ω	*Nominal Impedance:*
Stehwellenverhältnis SWR max.:	< 2.8 (f < 2.3 GHz)	*Standing Wave Ratio SWR max.:*
Stehwellenverhältnis SWR typisch:	< 1.5 (f < 2.3 GHz)	*Standing Wave Ratio SWR typical:*
Vor- Rückverhältnis:	typ. 20 dB +/-5 dB	*Front to Back Ratio:*
Polarisationsentkopplung:	>20 dB (800 MHz...1.3 GHz)	*Cross Polarisation:*
3 dB Öffnungswinkel typ.(E-Ebene):	40°-65°	*3 dB Beamwidth typ. (E-Plane):*
3 dB Öffnungswinkel typ.(H-Ebene):	90°-110°	*3 dB Beamwidth typ. (H-Plane):*
Max. Eingangsleistung:	300 W (1 GHz)	*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:	220 x 460 x 65 mm	*Width x Length x Thickness:*
Gewicht:	0.9 kg	*Weight:*

Gewinn bezogen auf Isotropstrahler:



Antennenfaktor (k-Faktor):



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1712.061113

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
700.00	0.98	26.15
710.00	1.36	25.88
720.00	1.76	25.60
730.00	1.82	25.67
740.00	1.78	25.83
750.00	2.06	25.66
760.00	2.54	25.30
770.00	3.24	24.71
780.00	3.99	24.07
790.00	4.64	23.53
800.00	5.21	23.07
810.00	5.73	22.66
820.00	6.12	22.38
830.00	6.38	22.22
840.00	6.59	22.12
850.00	6.73	22.08
860.00	6.82	22.09
870.00	6.89	22.12
880.00	6.92	22.19
890.00	6.93	22.28
900.00	6.95	22.36
910.00	6.96	22.44
920.00	6.97	22.52
930.00	7.00	22.59
940.00	7.03	22.65
950.00	7.08	22.69
960.00	7.13	22.74
970.00	7.16	22.80
980.00	7.16	22.88
990.00	7.14	22.99
1000.00	7.11	23.11
1010.00	7.04	23.26
1020.00	6.98	23.41
1030.00	6.92	23.56
1040.00	6.85	23.71
1050.00	6.81	23.84
1060.00	6.79	23.94
1070.00	6.79	24.02
1080.00	6.83	24.06
1090.00	6.86	24.11
1100.00	6.90	24.15
1110.00	6.96	24.17
1120.00	7.00	24.21
1130.00	7.04	24.24
1140.00	7.07	24.29
1150.00	7.09	24.34
1160.00	7.12	24.39
1170.00	7.13	24.45
1180.00	7.17	24.49
1190.00	7.19	24.54
1200.00	7.23	24.57
1210.00	7.27	24.61
1220.00	7.27	24.67
1230.00	7.30	24.72

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
1240.00	7.29	24.80
1250.00	7.26	24.90
1260.00	7.24	24.99
1270.00	7.20	25.10
1280.00	7.18	25.18
1290.00	7.17	25.26
1300.00	7.16	25.34
1310.00	7.17	25.40
1320.00	7.16	25.47
1330.00	7.18	25.52
1340.00	7.19	25.57
1350.00	7.20	25.63
1360.00	7.22	25.67
1370.00	7.22	25.73
1380.00	7.24	25.78
1390.00	7.26	25.82
1400.00	7.28	25.87
1410.00	7.30	25.91
1420.00	7.29	25.97
1430.00	7.30	26.03
1440.00	7.30	26.09
1450.00	7.30	26.15
1460.00	7.30	26.21
1470.00	7.27	26.29
1480.00	7.24	26.38
1490.00	7.20	26.48
1500.00	7.15	26.59
1510.00	7.12	26.68
1520.00	7.09	26.76
1530.00	7.08	26.84
1540.00	7.07	26.90
1550.00	7.06	26.96
1560.00	7.08	27.01
1570.00	7.09	27.05
1580.00	7.08	27.11
1590.00	7.06	27.18
1600.00	7.03	27.27
1610.00	7.02	27.34
1620.00	7.00	27.41
1630.00	6.99	27.47
1640.00	7.01	27.51
1650.00	7.01	27.56
1660.00	7.06	27.57
1670.00	7.11	27.56
1680.00	7.17	27.56
1690.00	7.25	27.52
1700.00	7.34	27.49
1710.00	7.41	27.47
1720.00	7.50	27.43
1730.00	7.57	27.41
1740.00	7.63	27.40
1750.00	7.67	27.41
1760.00	7.70	27.43
1770.00	7.72	27.46

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Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
1780.00	7.73	27.50
1790.00	7.74	27.54
1800.00	7.72	27.60
1810.00	7.70	27.68
1820.00	7.68	27.74
1830.00	7.64	27.83
1840.00	7.60	27.92
1850.00	7.55	28.01
1860.00	7.49	28.12
1870.00	7.43	28.22
1880.00	7.39	28.32
1890.00	7.35	28.39
1900.00	7.32	28.47
1910.00	7.30	28.54
1920.00	7.31	28.57
1930.00	7.33	28.60
1940.00	7.37	28.61
1950.00	7.43	28.60
1960.00	7.48	28.59
1970.00	7.56	28.55
1980.00	7.65	28.51
1990.00	7.73	28.47
2000.00	7.81	28.43
2010.00	7.87	28.41
2020.00	7.91	28.41
2030.00	7.94	28.43
2040.00	7.97	28.45
2050.00	7.99	28.46
2060.00	8.00	28.49
2070.00	8.02	28.52
2080.00	8.03	28.55
2090.00	8.04	28.58
2100.00	8.06	28.61
2110.00	8.06	28.65
2120.00	8.05	28.70
2130.00	8.03	28.76
2140.00	8.01	28.82
2150.00	7.99	28.88
2160.00	7.96	28.95
2170.00	7.93	29.02
2180.00	7.89	29.10
2190.00	7.84	29.19
2200.00	7.79	29.28
2210.00	7.74	29.37
2220.00	7.70	29.45
2230.00	7.67	29.51
2240.00	7.65	29.58
2250.00	7.61	29.65
2260.00	7.59	29.72
2270.00	7.56	29.78
2280.00	7.53	29.85
2290.00	7.48	29.93
2300.00	7.42	30.04
2310.00	7.35	30.14

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
2320.00	7.26	30.27
2330.00	7.18	30.39
2340.00	7.10	30.51
2350.00	7.00	30.65
2360.00	6.92	30.76
2370.00	6.84	30.88
2380.00	6.77	30.98
2390.00	6.74	31.05
2400.00	6.71	31.11
2410.00	6.70	31.16
2420.00	6.73	31.16
2430.00	6.77	31.16
2440.00	6.84	31.12
2450.00	6.91	31.10
2460.00	6.99	31.05
2470.00	7.05	31.02
2480.00	7.11	31.00
2490.00	7.17	30.98
2500.00	7.20	30.98
2510.00	7.24	30.98
2520.00	7.26	30.99
2530.00	7.24	31.05
2540.00	7.21	31.10
2550.00	7.16	31.19
2560.00	7.09	31.29
2570.00	7.03	31.38
2580.00	6.95	31.50
2590.00	6.88	31.61
2600.00	6.80	31.72
2610.00	6.74	31.81
2620.00	6.70	31.89
2630.00	6.66	31.96
2640.00	6.65	32.00
2650.00	6.63	32.05
2660.00	6.64	32.08
2670.00	6.67	32.08
2680.00	6.71	32.07
2690.00	6.78	32.04
2700.00	6.85	32.00
2710.00	6.90	31.98
2720.00	6.97	31.94
2730.00	7.01	31.93
2740.00	7.05	31.93
2750.00	7.07	31.93
2760.00	7.07	31.97
2770.00	7.06	32.01
2780.00	7.01	32.09
2790.00	6.96	32.18
2800.00	6.89	32.28
2810.00	6.80	32.39
2820.00	6.71	32.51
2830.00	6.62	32.64
2840.00	6.54	32.75
2850.00	6.47	32.85

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Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
2860.00	6.41	32.94
2870.00	6.39	32.99
2880.00	6.37	33.03
2890.00	6.37	33.07
2900.00	6.40	33.07
2910.00	6.42	33.07
2920.00	6.46	33.07
2930.00	6.52	33.04
2940.00	6.57	33.02
2950.00	6.64	32.98
2960.00	6.69	32.95
2970.00	6.73	32.94
2980.00	6.75	32.96
2990.00	6.74	32.99
3000.00	6.72	33.04
3010.00	6.66	33.13
3020.00	6.57	33.25
3030.00	6.49	33.36
3040.00	6.39	33.49
3050.00	6.29	33.61
3060.00	6.22	33.72
3070.00	6.12	33.84
3080.00	6.05	33.94
3090.00	5.98	34.04
3100.00	5.92	34.13
3110.00	5.87	34.21
3120.00	5.82	34.28
3130.00	5.81	34.32
3140.00	5.79	34.37
3150.00	5.77	34.42
3160.00	5.80	34.42
3170.00	5.79	34.45
3180.00	5.81	34.46
3190.00	5.82	34.48
3200.00	5.79	34.53
3210.00	5.78	34.57
3220.00	5.75	34.63
3230.00	5.69	34.71
3240.00	5.64	34.79
3250.00	5.56	34.89
3260.00	5.46	35.02
3270.00	5.35	35.16
3280.00	5.21	35.33
3290.00	5.10	35.46
3300.00	4.95	35.64
3310.00	4.84	35.77
3320.00	4.72	35.92
3330.00	4.61	36.06
3340.00	4.54	36.16
3350.00	4.47	36.25
3360.00	4.41	36.33
3370.00	4.41	36.36
3380.00	4.38	36.42
3390.00	4.41	36.41

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
3400.00	4.47	36.38
3410.00	4.54	36.34
3420.00	4.64	36.26
3430.00	4.75	36.18
3440.00	4.87	36.08
3450.00	5.00	35.98
3460.00	5.10	35.90
3470.00	5.18	35.84
3480.00	5.25	35.80
3490.00	5.29	35.79
3500.00	5.29	35.81
3510.00	5.26	35.87
3520.00	5.20	35.95
3530.00	5.10	36.08
3540.00	4.99	36.21
3550.00	4.88	36.34
3560.00	4.77	36.47
3570.00	4.68	36.59
3580.00	4.62	36.68
3590.00	4.56	36.76
3600.00	4.56	36.79
3610.00	4.58	36.79
3620.00	4.61	36.79
3630.00	4.68	36.74
3640.00	4.78	36.67
3650.00	4.90	36.56
3660.00	5.06	36.43
3670.00	5.23	36.29
3680.00	5.39	36.15
3690.00	5.55	36.01
3700.00	5.69	35.89
3710.00	5.79	35.82
3720.00	5.86	35.77
3730.00	5.89	35.77
3740.00	5.88	35.80
3750.00	5.83	35.87
3760.00	5.75	35.97
3770.00	5.63	36.12
3780.00	5.51	36.26
3790.00	5.37	36.43
3800.00	5.22	36.59
3810.00	5.10	36.74
3820.00	5.00	36.86
3830.00	4.95	36.94
3840.00	4.93	36.98
3850.00	4.95	36.98
3860.00	5.02	36.93
3870.00	5.14	36.83
3880.00	5.26	36.74
3890.00	5.40	36.62
3900.00	5.53	36.51
3910.00	5.66	36.41
3920.00	5.77	36.32
3930.00	5.85	36.26

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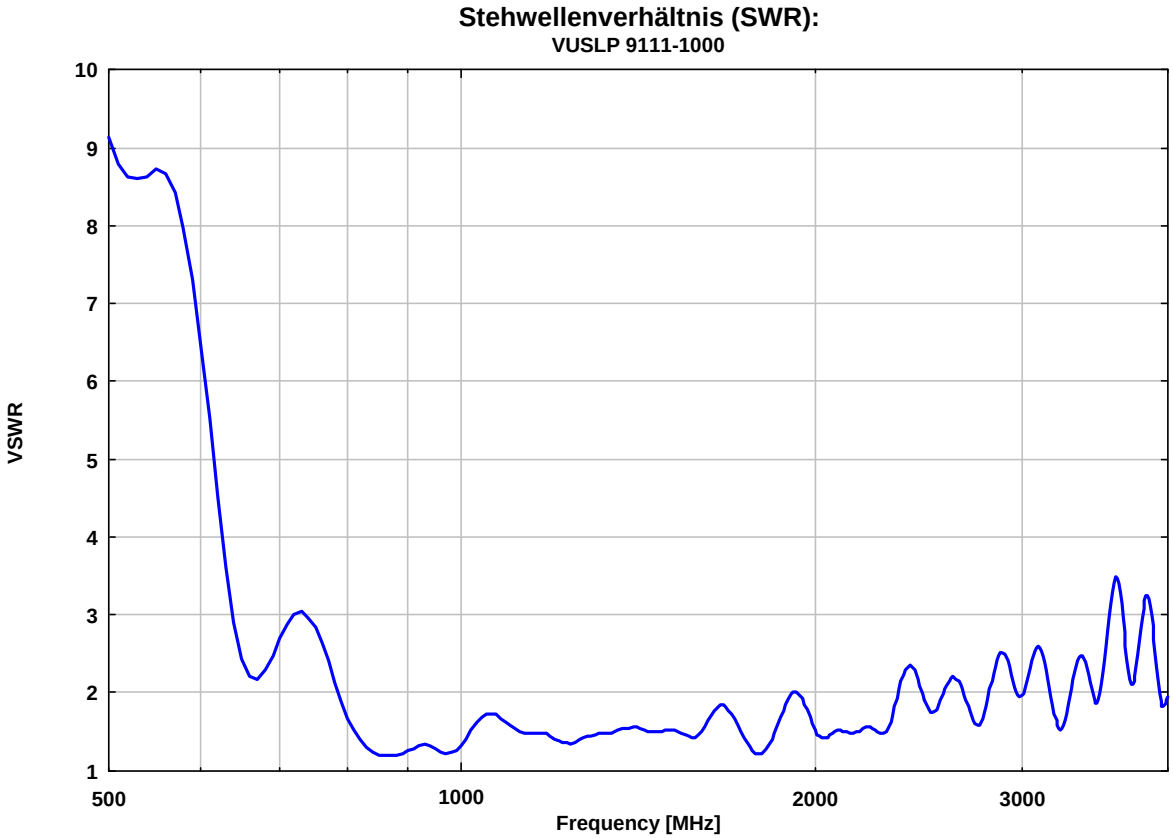
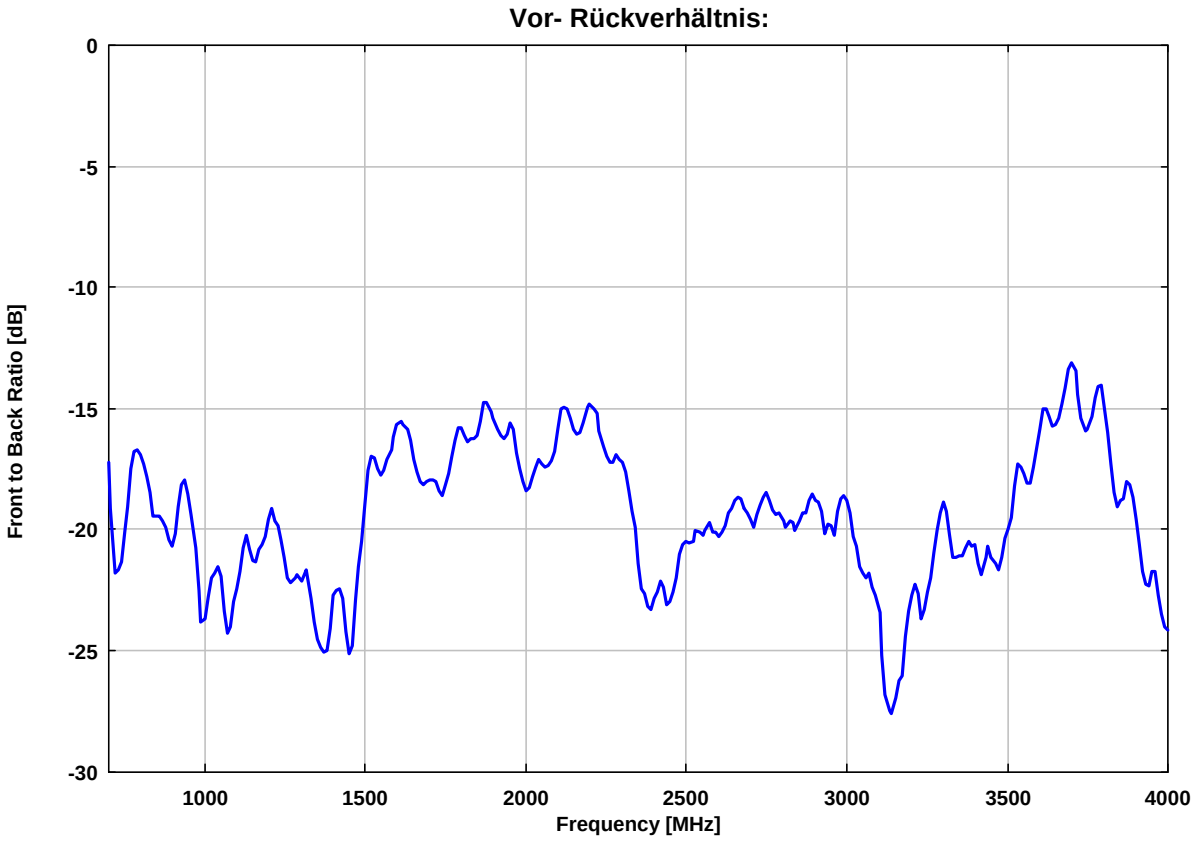
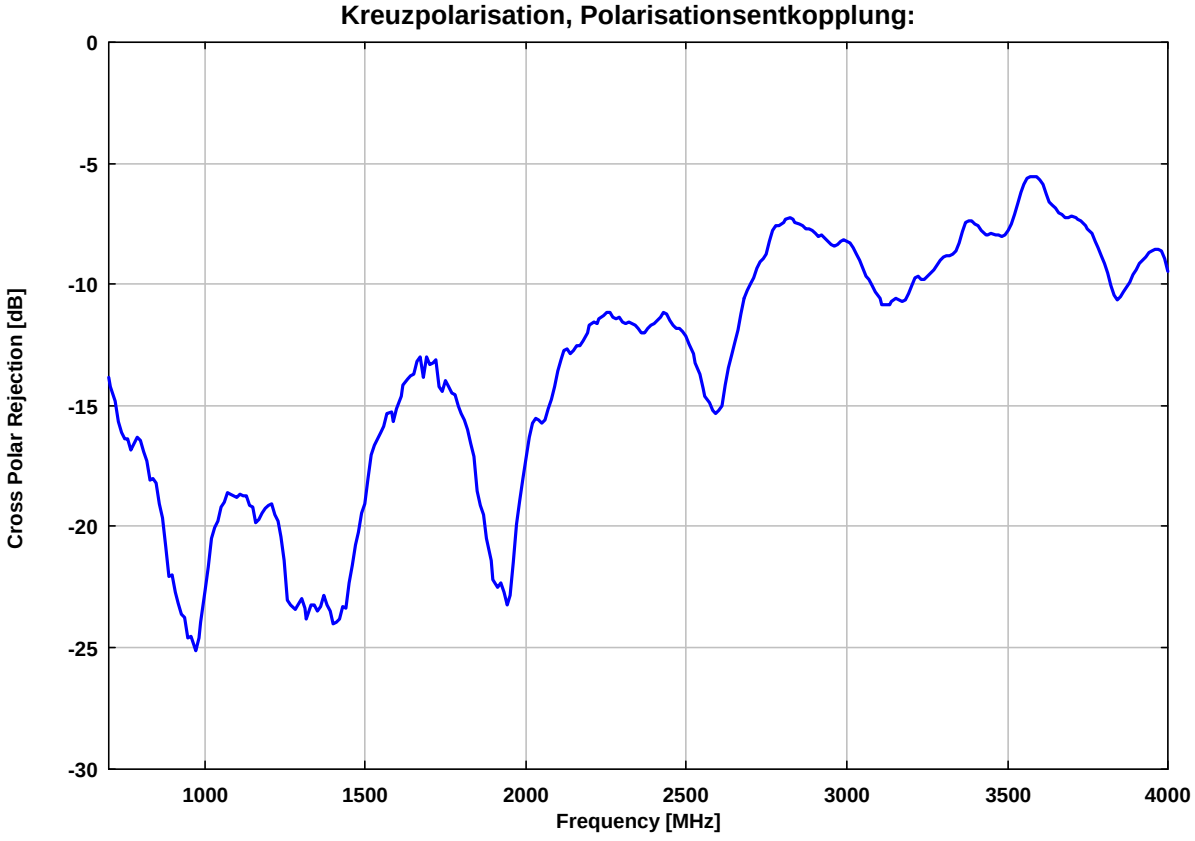
Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
3940.00	5.90	36.23
3950.00	5.92	36.24
3960.00	5.87	36.30
3970.00	5.78	36.42

Frequency	Gain(Isotr.)	Ant.-Factor
MHz	dBi	dB/m
3980.00	5.75	36.47
3990.00	5.70	36.54
4000.00	5.62	36.64

Gewinn und Antennen-Wandlungsmaß (Fernfelddaten)
Gain and Antenna Factor Data refers to Farfield







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