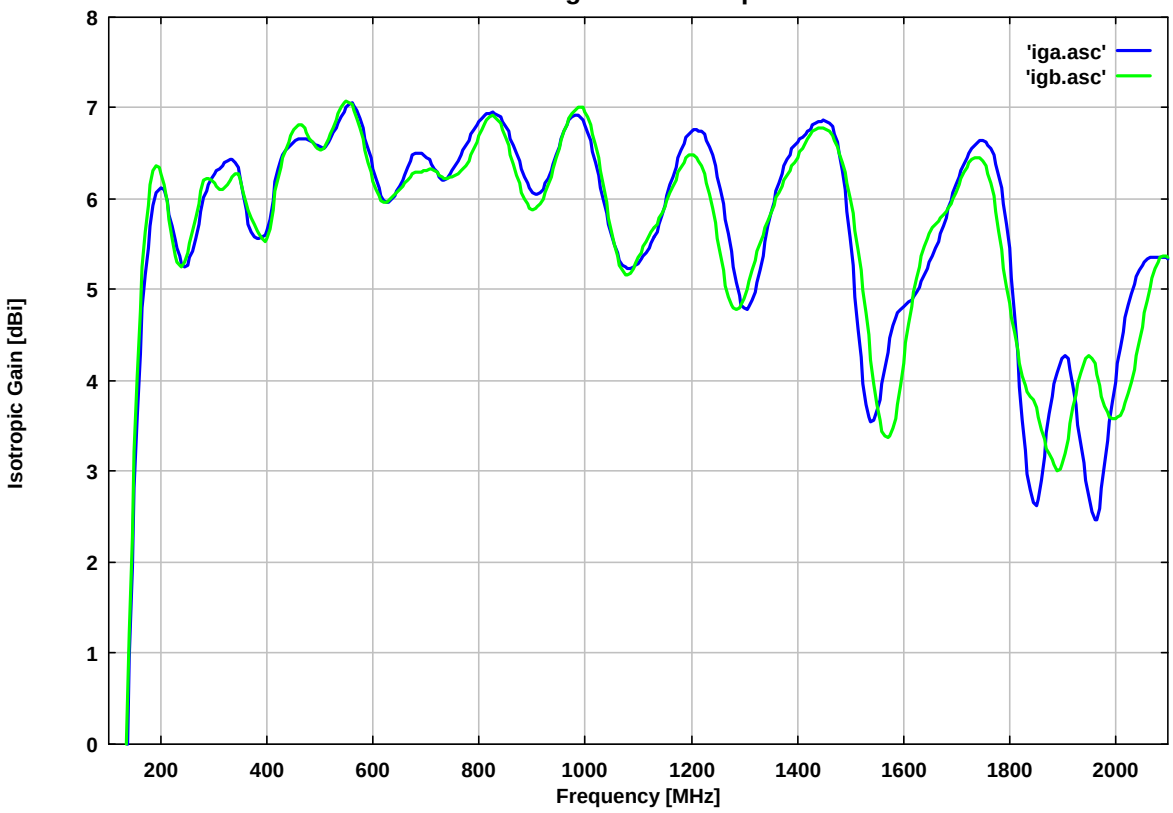
Dual polarisierte Log. - Per. Breitband-Antenne VULX 9163
Dual Polarized Log. - Per. Broadband Antenna VULX 9163

Beschreibung:
Dual linear polarisierte Logarithmisch Periodische Breitbandantenne in Aluminiumausführung für Empfangs- und Sendeanwendungen.

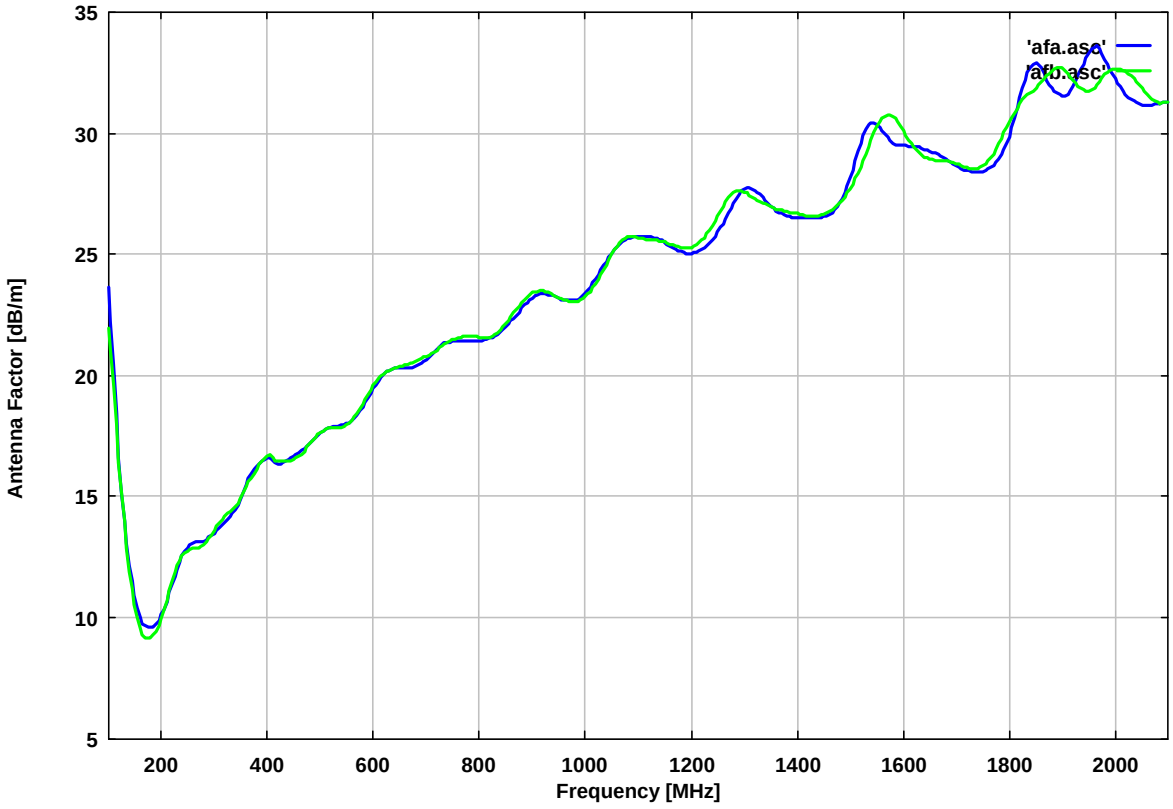
Description:
Dual Linear polarized Logarithmic Periodic Broadband Antenna (Aluminium tubing) for Receive and Transmit Applications.

Technische Daten:		***Specifications:***
Frequenzbereich, nominell:	150 MHz...1.5 GHz	*Nominal Frequency Range:*
Nutzbarer Frequenzbereich:	140 MHz ... 2.5 GHz	*Usable Frequency Range:*
Isotropgewinn:	typ. 6 dBi + / - 1 dB	*Isotropic Gain:*
Antennenfaktor:	9 ... 33 dB/m	*Antenna Factor:*
Impedanz, nominell:	50 Ω	*Nominal Impedance:*
Stehwellenverhältnis SWR max.:	< 2.8 (f > 1.8 GHz)	*Standing Wave Ratio SWR max.:*
Stehwellenverhältnis SWR typisch:	< 1.5	*Standing Wave Ratio SWR typical:*
Vor- Rückverhältnis:	typ. 20 dB	*Front to Back Ratio:*
Polarisationsentkopplung:	>20 dB (180 MHz...1.8 GHz)	*Cross Polarisation:*
3 dB Öffnungswinkel typ.(E-Ebene):	45°-65°	*3 dB Beamwidth typ. (E-Plane):*
3 dB Öffnungswinkel typ.(H-Ebene):	90°-120°	*3 dB Beamwidth typ. (H-Plane):*
Max. Eingangsleistung:	1000 W (<300 MHz) 300 W (1 GHz)	*Max. Input Power:*
Anschlußart: N-Buchse		*N-Connector female*
Halterung: Zentralbefestigung Innengewinde	3/8”	*Mount: Center, female threads:*
Breite x Länge x Dicke:	935 x 788 x 935 mm	*Width x Length x Thickness:*
Gewicht:	3.3 kg	*Weight:*

Gewinn bezogen auf Isotropstrahler:



Antennenfaktor (k-Faktor):



Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
140.00	0.95	12.19	1.21	11.93
145.00	1.95	11.49	2.28	11.17
150.00	2.82	10.92	3.22	10.52
155.00	3.60	10.42	4.06	9.97
160.00	4.30	10.00	4.76	9.54
165.00	4.80	9.77	5.26	9.31
170.00	5.17	9.66	5.64	9.19
175.00	5.47	9.61	5.93	9.15
180.00	5.71	9.62	6.16	9.17
185.00	5.93	9.63	6.31	9.25
190.00	6.07	9.73	6.36	9.43
195.00	6.11	9.91	6.35	9.67
200.00	6.12	10.12	6.28	9.96
205.00	6.10	10.36	6.15	10.30
210.00	5.99	10.68	5.97	10.69
215.00	5.83	11.04	5.77	11.10
220.00	5.71	11.36	5.56	11.51
225.00	5.55	11.71	5.38	11.89
230.00	5.47	11.99	5.31	12.15
235.00	5.38	12.26	5.27	12.37
240.00	5.29	12.53	5.26	12.56
245.00	5.26	12.74	5.30	12.70
250.00	5.28	12.90	5.40	12.78
255.00	5.35	13.01	5.52	12.83
260.00	5.43	13.09	5.65	12.87
265.00	5.57	13.11	5.79	12.90
270.00	5.73	13.11	5.95	12.90
275.00	5.86	13.15	6.09	12.92
280.00	6.02	13.14	6.20	12.97
285.00	6.09	13.22	6.22	13.10
290.00	6.16	13.31	6.22	13.25
295.00	6.23	13.39	6.21	13.41
300.00	6.28	13.49	6.18	13.59
305.00	6.31	13.60	6.14	13.77
310.00	6.34	13.71	6.11	13.94
315.00	6.37	13.82	6.11	14.08
320.00	6.40	13.93	6.13	14.20
325.00	6.42	14.04	6.16	14.30
330.00	6.43	14.16	6.20	14.39
335.00	6.43	14.29	6.24	14.48
340.00	6.41	14.44	6.28	14.57
345.00	6.35	14.63	6.28	14.70
350.00	6.24	14.86	6.22	14.88
355.00	6.05	15.17	6.08	15.14
360.00	5.87	15.47	5.95	15.40
365.00	5.73	15.74	5.87	15.60
370.00	5.64	15.95	5.80	15.78
375.00	5.58	16.12	5.73	15.97
380.00	5.56	16.26	5.66	16.15
385.00	5.57	16.36	5.62	16.31
390.00	5.58	16.46	5.57	16.47
395.00	5.60	16.55	5.54	16.61

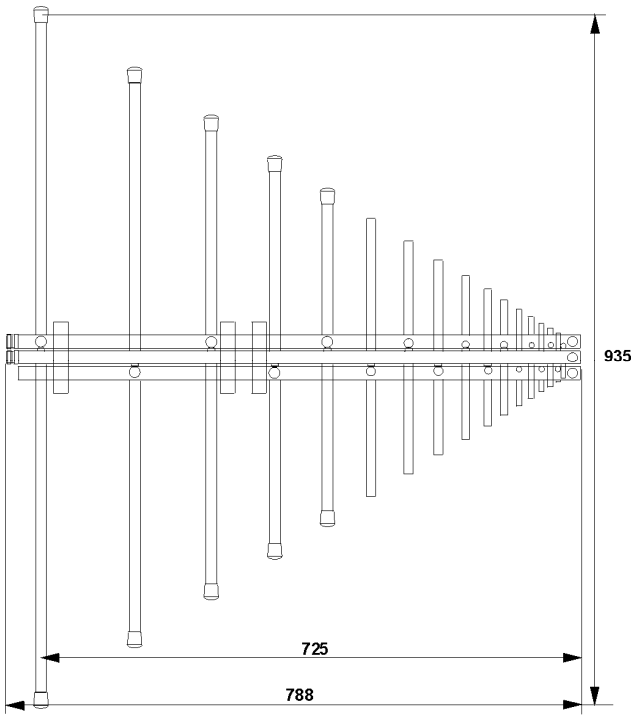
Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
400.00	5.66	16.60	5.57	16.69
405.00	5.77	16.60	5.67	16.70
410.00	5.99	16.49	5.88	16.60
415.00	6.19	16.39	6.09	16.49
420.00	6.34	16.35	6.23	16.45
425.00	6.43	16.36	6.35	16.44
430.00	6.49	16.40	6.45	16.44
435.00	6.54	16.45	6.54	16.45
440.00	6.57	16.52	6.62	16.47
445.00	6.60	16.59	6.70	16.49
450.00	6.63	16.66	6.76	16.53
455.00	6.65	16.73	6.79	16.59
460.00	6.67	16.81	6.81	16.67
465.00	6.67	16.90	6.81	16.76
470.00	6.67	16.99	6.78	16.88
475.00	6.66	17.09	6.73	17.03
480.00	6.64	17.20	6.67	17.17
485.00	6.63	17.30	6.63	17.31
490.00	6.60	17.42	6.58	17.44
495.00	6.59	17.52	6.55	17.56
500.00	6.57	17.63	6.54	17.66
505.00	6.56	17.72	6.56	17.73
510.00	6.58	17.79	6.60	17.77
515.00	6.63	17.83	6.66	17.80
520.00	6.67	17.87	6.72	17.82
525.00	6.73	17.90	6.79	17.83
530.00	6.79	17.92	6.88	17.83
535.00	6.84	17.94	6.95	17.84
540.00	6.90	17.97	7.01	17.86
545.00	6.96	17.99	7.06	17.89
550.00	7.00	18.03	7.08	17.95
555.00	7.04	18.07	7.07	18.03
560.00	7.06	18.13	7.04	18.14
565.00	7.03	18.23	6.98	18.28
570.00	6.97	18.37	6.89	18.44
575.00	6.89	18.53	6.79	18.62
580.00	6.79	18.70	6.67	18.82
585.00	6.67	18.89	6.54	19.02
590.00	6.56	19.08	6.41	19.23
595.00	6.45	19.26	6.29	19.42
600.00	6.34	19.45	6.19	19.59
605.00	6.23	19.63	6.10	19.76
610.00	6.12	19.81	6.03	19.90
615.00	6.04	19.95	5.99	20.01
620.00	5.99	20.08	5.96	20.10
625.00	5.97	20.17	5.97	20.17
630.00	5.97	20.23	5.98	20.23
635.00	6.00	20.28	6.01	20.26
640.00	6.03	20.31	6.05	20.30
645.00	6.09	20.32	6.08	20.33
650.00	6.14	20.34	6.11	20.37
655.00	6.20	20.35	6.14	20.41
660.00	6.27	20.34	6.17	20.44

Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
665.00	6.35	20.32	6.21	20.47
670.00	6.42	20.32	6.25	20.50
675.00	6.49	20.32	6.28	20.53
680.00	6.51	20.36	6.29	20.58
685.00	6.51	20.42	6.30	20.63
690.00	6.50	20.50	6.30	20.69
695.00	6.48	20.58	6.31	20.75
700.00	6.45	20.67	6.32	20.80
705.00	6.43	20.76	6.34	20.85
710.00	6.39	20.86	6.33	20.91
715.00	6.34	20.96	6.32	20.99
720.00	6.29	21.08	6.30	21.07
725.00	6.24	21.19	6.27	21.16
730.00	6.20	21.29	6.24	21.24
735.00	6.20	21.34	6.23	21.31
740.00	6.23	21.37	6.23	21.38
745.00	6.28	21.38	6.24	21.42
750.00	6.32	21.40	6.25	21.47
755.00	6.37	21.40	6.27	21.51
760.00	6.42	21.41	6.28	21.56
765.00	6.48	21.41	6.31	21.59
770.00	6.54	21.41	6.33	21.62
775.00	6.60	21.41	6.37	21.64
780.00	6.65	21.41	6.42	21.64
785.00	6.71	21.41	6.48	21.64
790.00	6.76	21.41	6.55	21.63
795.00	6.81	21.42	6.63	21.60
800.00	6.85	21.43	6.70	21.58
805.00	6.89	21.45	6.77	21.56
810.00	6.92	21.47	6.84	21.55
815.00	6.94	21.50	6.88	21.56
820.00	6.95	21.54	6.91	21.59
825.00	6.96	21.59	6.92	21.63
830.00	6.95	21.65	6.91	21.69
835.00	6.93	21.72	6.88	21.77
840.00	6.90	21.81	6.84	21.87
845.00	6.86	21.90	6.77	21.99
850.00	6.80	22.00	6.69	22.12
855.00	6.75	22.11	6.59	22.27
860.00	6.67	22.24	6.48	22.43
865.00	6.59	22.37	6.38	22.58
870.00	6.50	22.51	6.27	22.74
875.00	6.42	22.64	6.17	22.89
880.00	6.33	22.78	6.08	23.03
885.00	6.25	22.91	6.00	23.16
890.00	6.18	23.02	5.94	23.26
895.00	6.13	23.13	5.90	23.36
900.00	6.08	23.23	5.88	23.43
905.00	6.06	23.30	5.89	23.47
910.00	6.05	23.35	5.92	23.49
915.00	6.07	23.38	5.95	23.50
920.00	6.11	23.39	6.00	23.50
925.00	6.17	23.37	6.07	23.47

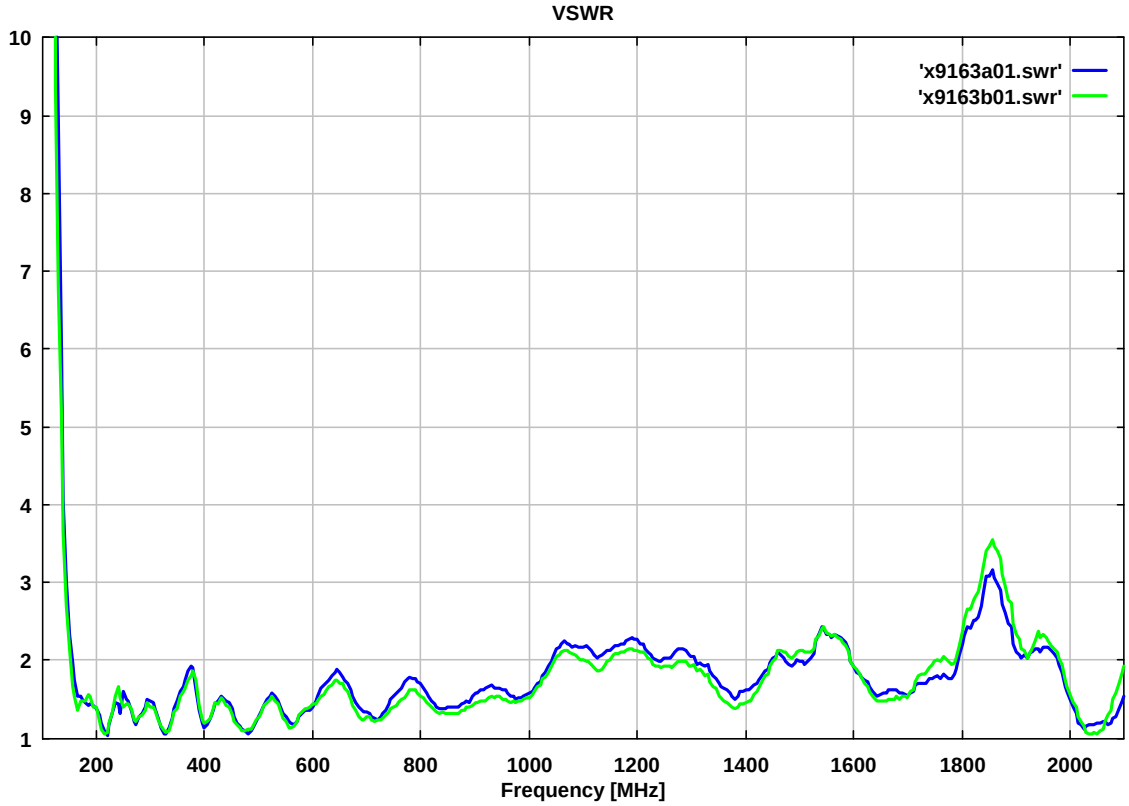
Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
930.00	6.23	23.36	6.15	23.44
935.00	6.31	23.33	6.24	23.39
940.00	6.39	23.29	6.34	23.34
945.00	6.49	23.24	6.45	23.28
950.00	6.58	23.19	6.55	23.22
955.00	6.67	23.15	6.65	23.17
960.00	6.75	23.11	6.74	23.12
965.00	6.82	23.09	6.82	23.09
970.00	6.87	23.09	6.89	23.07
975.00	6.91	23.09	6.94	23.06
980.00	6.93	23.12	6.98	23.06
985.00	6.93	23.16	7.01	23.08
990.00	6.91	23.22	7.01	23.12
995.00	6.87	23.30	7.00	23.18
1000.00	6.81	23.41	6.96	23.26
1005.00	6.73	23.53	6.90	23.37
1010.00	6.64	23.67	6.82	23.49
1015.00	6.52	23.83	6.72	23.63
1020.00	6.40	24.00	6.59	23.80
1025.00	6.26	24.17	6.46	23.98
1030.00	6.13	24.35	6.31	24.17
1035.00	5.98	24.53	6.14	24.38
1040.00	5.85	24.71	5.97	24.59
1045.00	5.73	24.88	5.80	24.80
1050.00	5.60	25.04	5.64	25.00
1055.00	5.49	25.19	5.49	25.19
1060.00	5.40	25.32	5.37	25.35
1065.00	5.32	25.44	5.27	25.49
1070.00	5.28	25.53	5.21	25.60
1075.00	5.25	25.60	5.17	25.68
1080.00	5.23	25.66	5.16	25.73
1085.00	5.24	25.69	5.19	25.74
1090.00	5.26	25.71	5.23	25.74
1095.00	5.27	25.74	5.29	25.72
1100.00	5.29	25.76	5.35	25.70
1105.00	5.33	25.76	5.41	25.68
1110.00	5.37	25.76	5.48	25.65
1115.00	5.41	25.76	5.54	25.63
1120.00	5.46	25.74	5.59	25.61
1125.00	5.51	25.73	5.64	25.60
1130.00	5.58	25.70	5.69	25.59
1135.00	5.64	25.68	5.73	25.59
1140.00	5.73	25.63	5.79	25.57
1145.00	5.82	25.58	5.85	25.55
1150.00	5.93	25.50	5.91	25.52
1155.00	6.04	25.43	5.99	25.48
1160.00	6.15	25.36	6.07	25.44
1165.00	6.25	25.30	6.14	25.41
1170.00	6.35	25.23	6.21	25.37
1175.00	6.45	25.17	6.29	25.33
1180.00	6.54	25.12	6.35	25.31
1185.00	6.61	25.08	6.41	25.29
1190.00	6.68	25.05	6.46	25.27

Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
1195.00	6.72	25.05	6.48	25.29
1200.00	6.75	25.05	6.49	25.31
1205.00	6.77	25.07	6.49	25.35
1210.00	6.76	25.11	6.46	25.41
1215.00	6.75	25.16	6.42	25.49
1220.00	6.74	25.21	6.36	25.58
1225.00	6.71	25.28	6.28	25.70
1230.00	6.65	25.36	6.17	25.85
1235.00	6.58	25.47	6.05	26.00
1240.00	6.49	25.60	5.90	26.19
1245.00	6.37	25.75	5.74	26.39
1250.00	6.24	25.92	5.57	26.59
1255.00	6.10	26.10	5.39	26.80
1260.00	5.94	26.29	5.21	27.01
1265.00	5.78	26.49	5.05	27.21
1270.00	5.61	26.69	4.92	27.37
1275.00	5.43	26.90	4.83	27.50
1280.00	5.25	27.12	4.79	27.58
1285.00	5.08	27.32	4.78	27.62
1290.00	4.94	27.50	4.80	27.64
1295.00	4.83	27.63	4.84	27.63
1300.00	4.79	27.71	4.91	27.59
1305.00	4.78	27.76	5.00	27.54
1310.00	4.81	27.75	5.10	27.46
1315.00	4.88	27.72	5.21	27.39
1320.00	4.97	27.66	5.32	27.31
1325.00	5.08	27.58	5.42	27.24
1330.00	5.22	27.48	5.52	27.18
1335.00	5.37	27.36	5.60	27.13
1340.00	5.53	27.23	5.68	27.09
1345.00	5.70	27.10	5.76	27.04
1350.00	5.84	26.98	5.84	26.99
1355.00	5.97	26.89	5.93	26.93
1360.00	6.09	26.80	6.01	26.88
1365.00	6.18	26.74	6.07	26.85
1370.00	6.28	26.68	6.14	26.81
1375.00	6.36	26.63	6.20	26.78
1380.00	6.43	26.59	6.26	26.76
1385.00	6.49	26.56	6.31	26.74
1390.00	6.55	26.53	6.36	26.72
1395.00	6.59	26.52	6.41	26.70
1400.00	6.63	26.51	6.46	26.68
1405.00	6.66	26.51	6.52	26.66
1410.00	6.69	26.51	6.56	26.64
1415.00	6.72	26.52	6.62	26.62
1420.00	6.75	26.51	6.67	26.60
1425.00	6.77	26.53	6.71	26.59
1430.00	6.81	26.52	6.74	26.58
1435.00	6.83	26.53	6.77	26.59
1440.00	6.85	26.54	6.78	26.61
1445.00	6.86	26.55	6.79	26.63
1450.00	6.87	26.57	6.78	26.66
1455.00	6.86	26.61	6.77	26.71

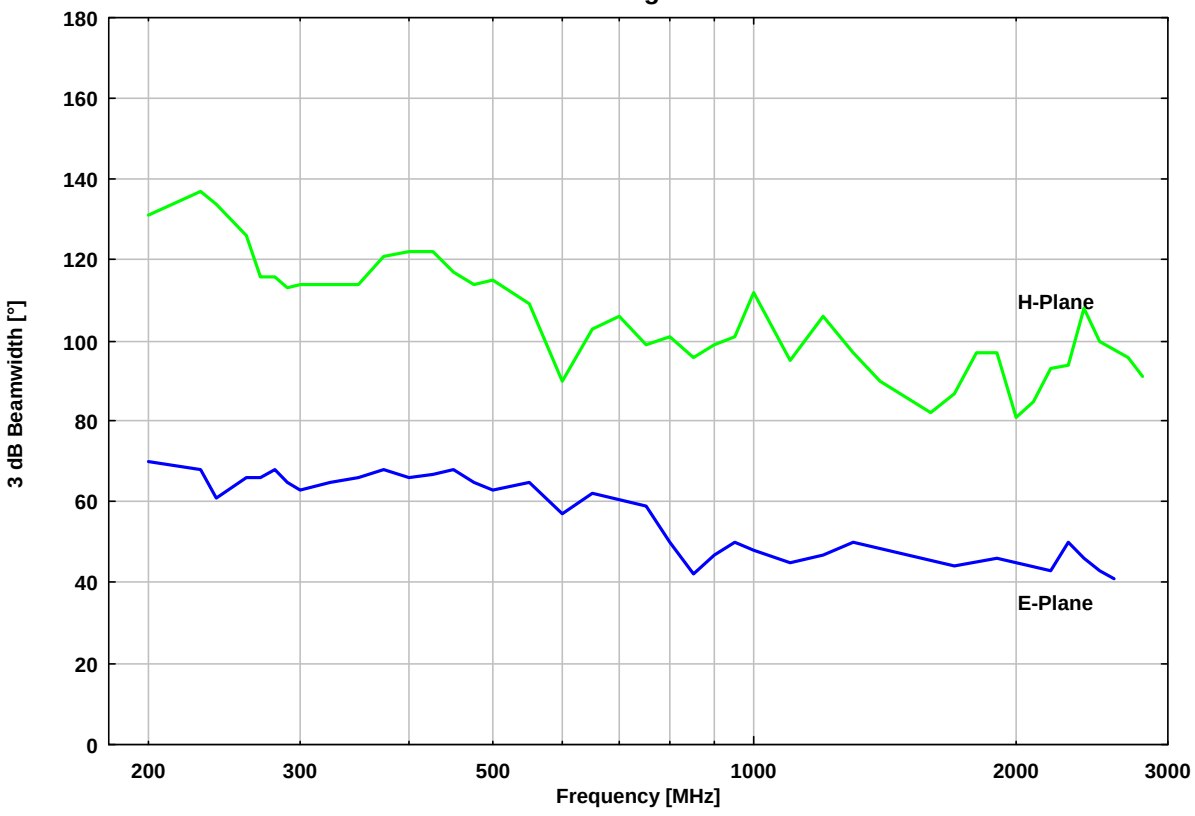
Frequency	Section A Gain(Isotr.)	Section A Ant.-Factor	Section B Gain(Isotr.)	Section B Ant.-Factor
MHz	dBi	dB/m	dBi	dB/m
1460.00	6.84	26.67	6.74	26.77
1465.00	6.80	26.74	6.70	26.83
1470.00	6.72	26.84	6.64	26.93
1475.00	6.62	26.97	6.58	27.02
1480.00	6.50	27.13	6.50	27.12
1485.00	6.32	27.34	6.41	27.24
1490.00	6.11	27.58	6.30	27.38
1495.00	5.86	27.85	6.17	27.54
1500.00	5.58	28.16	6.01	27.73
1550.00	3.66	30.37	3.74	30.29
1600.00	4.81	29.50	4.18	30.12
1650.00	5.30	29.27	5.62	28.95
1700.00	6.16	28.66	6.07	28.76
1750.00	6.64	28.44	6.42	28.66
1800.00	5.47	29.86	4.85	30.48
1850.00	2.62	32.94	3.71	31.86
1900.00	4.25	31.54	3.08	32.72
1950.00	2.72	33.31	4.27	31.75
2000.00	3.98	32.26	3.58	32.66
2050.00	5.28	31.18	4.59	31.86
2100.00	5.34	31.32	5.35	31.31
2150.00	4.69	32.18	4.66	32.21
2200.00	3.80	33.27	1.64	35.42
2250.00	2.37	34.89	1.97	35.30
2300.00	3.70	33.75	2.79	34.67
2350.00	3.89	33.75	-0.41	38.05
2400.00	1.27	36.55	1.60	36.22
2450.00	3.62	34.39	-0.20	38.21
2500.00	1.63	36.55	-0.42	38.60



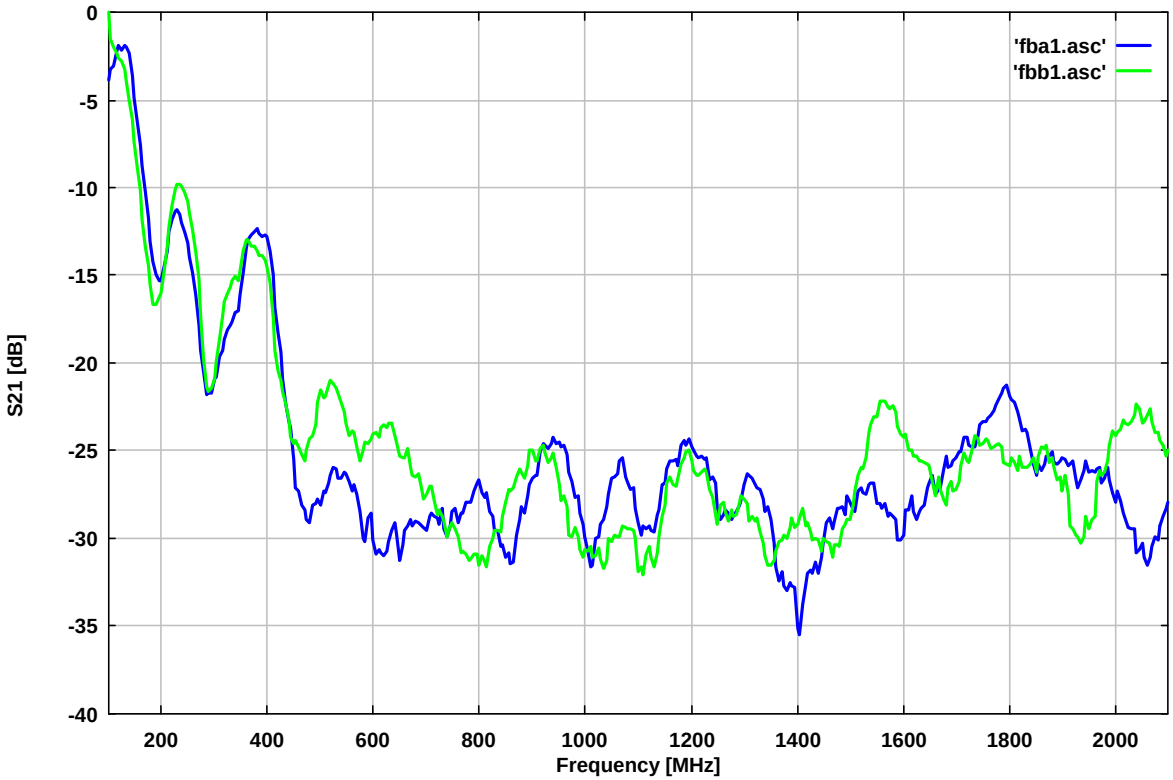
Stehwellenverhältnis (SWR):



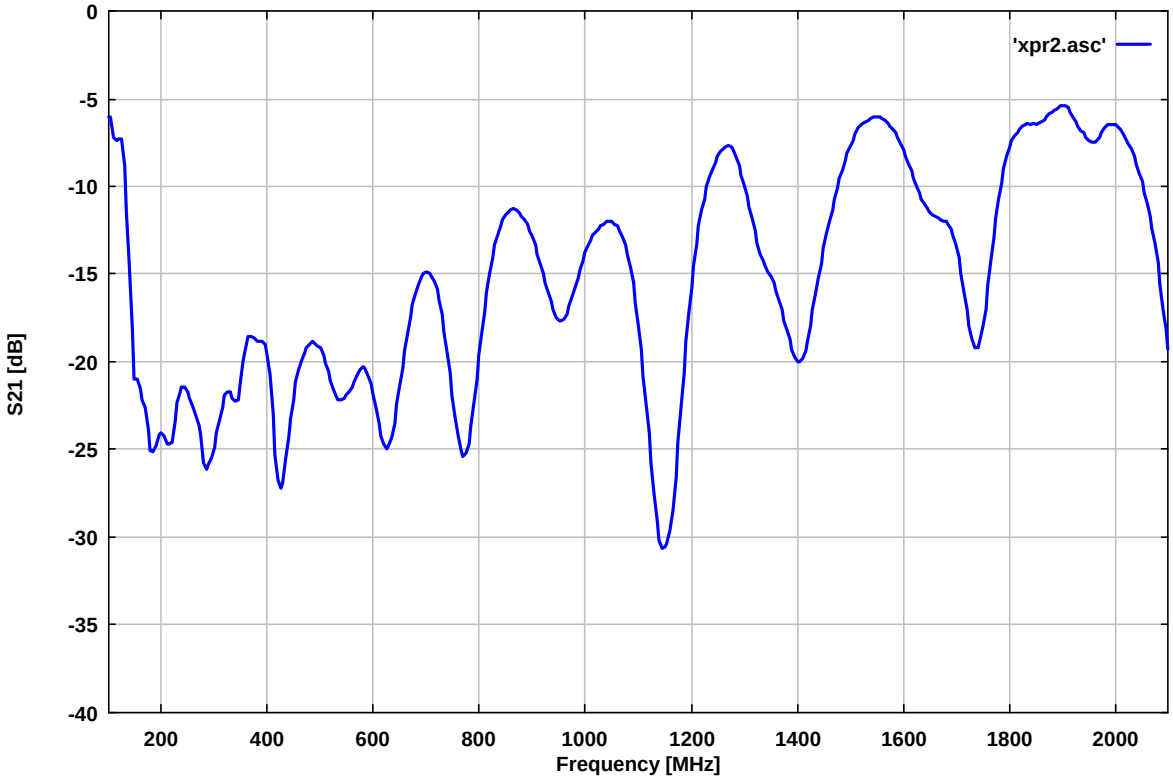
3 dB Öffnungswinkel:



Vor- Rückverhältnis:
Front to Back Ratio

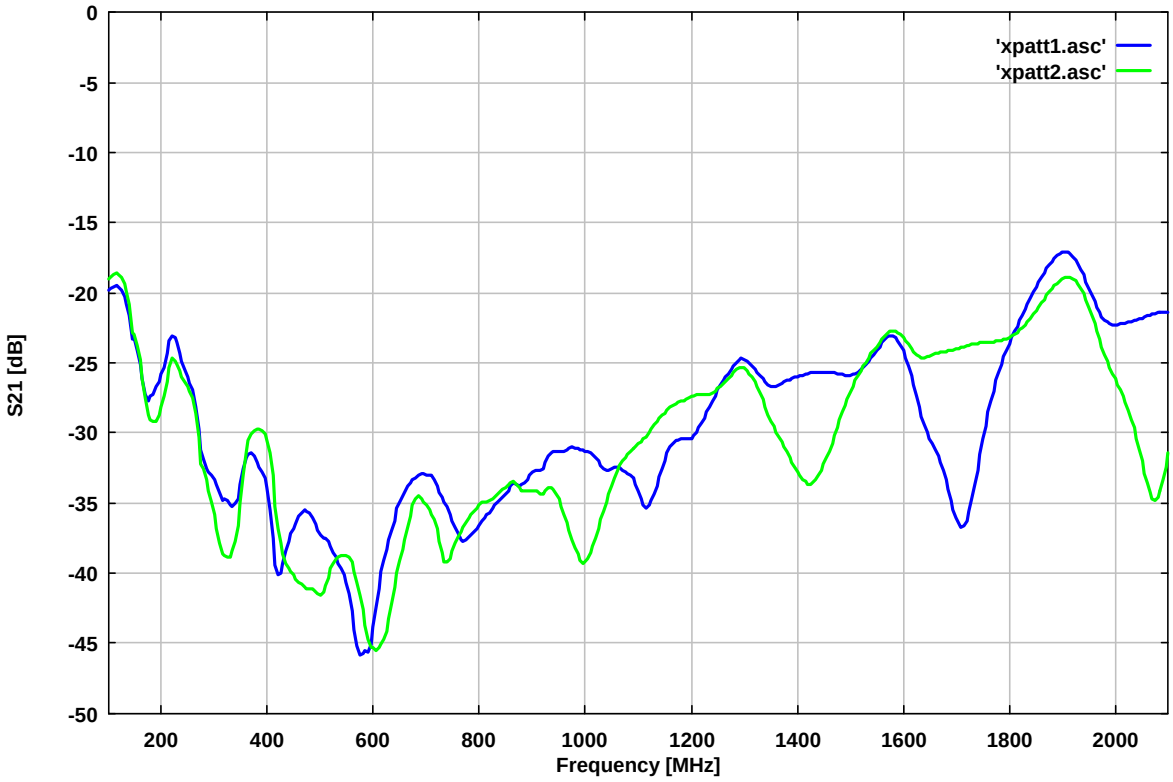


Kreuzpolarisationsunterdrückung:
Cross Polar Rejection



Entkopplung der Polarisationsebenen A und B an den N-Buchsen

Decoupling between N-connectors A and B



SCHWARZBECK
Mess-Elektronik

SCHWARZBECK MESS – ELEKTRONIK OHG
Ziegelhäuser Straße 25
69250 Schönau, Germany
Phone: +49 6228 1001
Fax.: +49 6228 1003
E-Mail: office@schwarzbeck.de
www.schwarzbeck.de