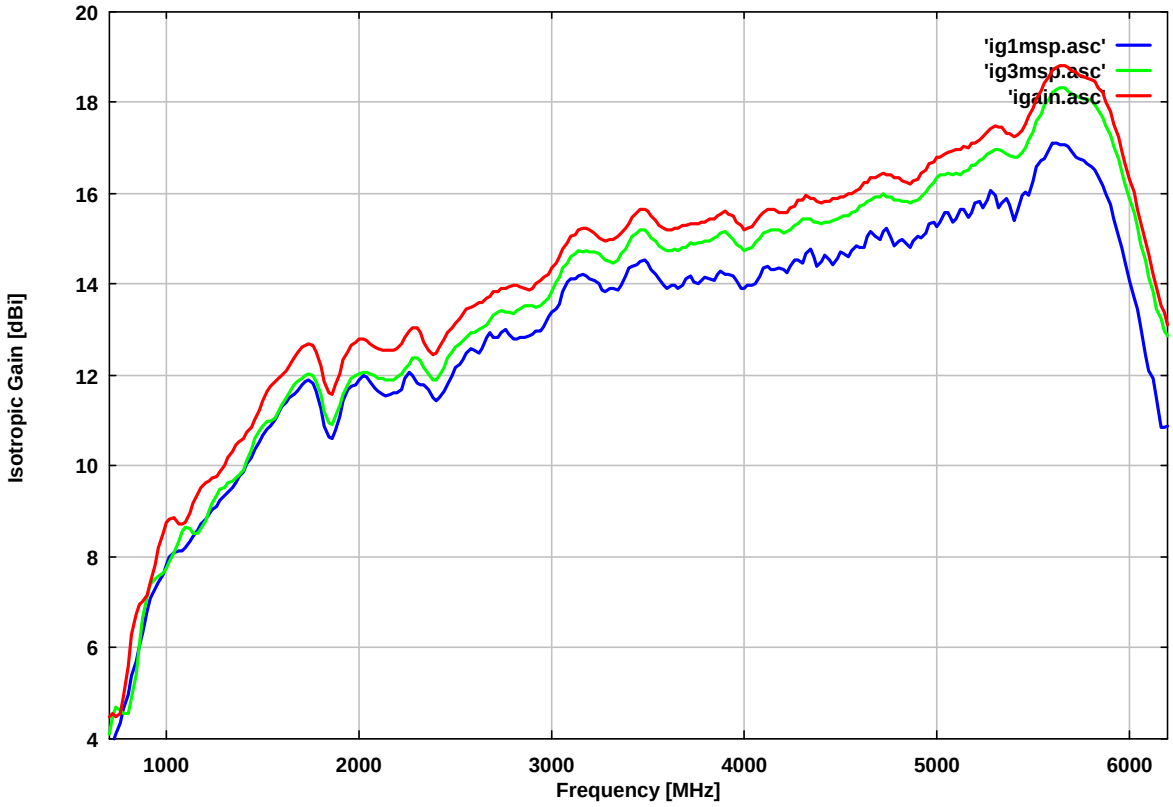
Doppelsteg Breitband Hornantenne BBHA 9120 LF
Double Ridged Broadband Horn BBHA 9120 LF

Beschreibung:
Linear polarisierte Doppelsteg Breitband Hornantenne in Aluminiumausführung für Empfangs- und Sendeanwendungen

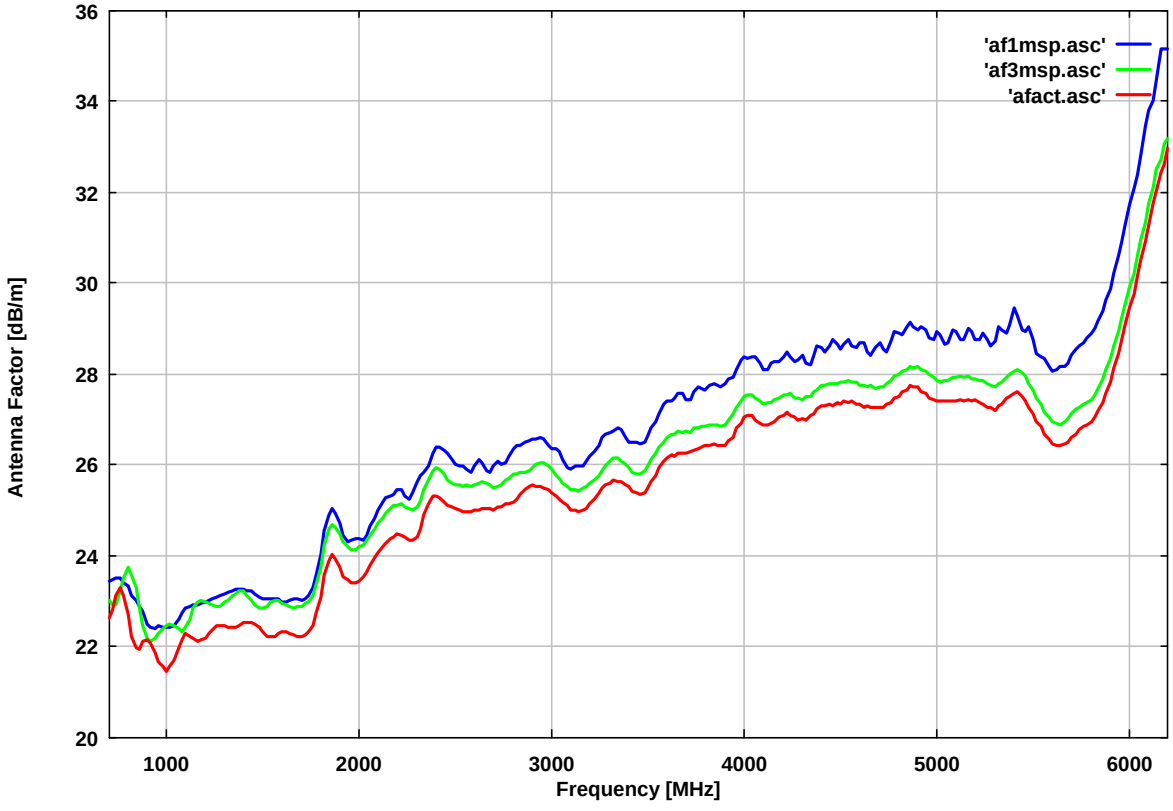
Description:
Linear polarized Double Ridged Broadband Horn Antenna (Aluminium) for Receive and Transmit Applications.

Technische Daten:		***Specifications:***
Frequenzbereich:	0.7 ... 6 GHz	*Frequency Range:*
Isotropgewinn:	6 … 19 dBi	*Isotropic Gain:*
Antennenfaktor:	22 … 29 dB/m	*Antenna Factor:*
Impedanz, nominell:	50 Ω	*Nominal Impedance:*
Stehwellenverhältnis SWR typisch:	≈1.5	*Standing Wave Ratio SWR typical:*
Max. Eingangsleistung:	see diagram below	*Max. Input Power:*
Breite x Länge x Höhe:	270 x 420 (620) x 185 mm	*Width x Length x Height*
Gewicht:	2.3 kg	*Weight:*
Anschluss: N-Buchse		*Connector: N - female*

Isotropgewinn (Fernfeld, 1 m Apertur, 3 m Apertur)
Isotropic Gain (Farfield, 1 m Aperture, 3 m Aperture)



Antennen-Wandlungsmaß (Fernfeld, 1 m Apertur, 3 m Apertur)
Antenna Factor (Farfield, 1 m Aperture, 3 m Aperture)



Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
680.00	3.10	23.77	3.12	23.75	4.03	22.84
700.00	3.71	23.42	4.11	23.01	4.48	22.64
720.00	3.90	23.47	4.47	22.90	4.55	22.82
740.00	4.11	23.49	4.70	22.91	4.48	23.13
760.00	4.32	23.52	4.60	23.23	4.56	23.28
780.00	4.66	23.41	4.55	23.51	4.93	23.13
800.00	4.95	23.33	4.53	23.75	5.57	22.71
820.00	5.39	23.11	4.90	23.59	6.27	22.22
840.00	5.68	23.02	5.42	23.29	6.73	21.98
860.00	6.03	22.88	6.08	22.83	6.96	21.95
880.00	6.33	22.78	6.65	22.46	7.01	22.10
900.00	6.79	22.51	7.13	22.17	7.15	22.16
920.00	7.08	22.41	7.39	22.10	7.44	22.06
940.00	7.30	22.38	7.52	22.17	7.82	21.86
960.00	7.42	22.45	7.58	22.29	8.22	21.65
980.00	7.60	22.44	7.65	22.39	8.51	21.54
1000.00	7.81	22.41	7.76	22.46	8.77	21.45
1020.00	7.98	22.41	7.88	22.51	8.84	21.55
1040.00	8.09	22.47	8.10	22.47	8.87	21.69
1060.00	8.12	22.61	8.33	22.40	8.74	21.98
1080.00	8.15	22.74	8.56	22.33	8.74	22.15
1100.00	8.22	22.83	8.64	22.41	8.77	22.28
1120.00	8.32	22.89	8.61	22.59	8.97	22.23
1140.00	8.45	22.91	8.53	22.83	9.16	22.19
1160.00	8.58	22.93	8.52	22.98	9.40	22.11
1180.00	8.72	22.94	8.63	23.03	9.53	22.13
1200.00	8.83	22.98	8.81	22.99	9.63	22.17
1220.00	8.92	23.03	9.00	22.94	9.65	22.29
1240.00	9.02	23.07	9.19	22.90	9.72	22.37
1260.00	9.12	23.10	9.35	22.87	9.76	22.47
1280.00	9.24	23.12	9.47	22.89	9.88	22.48
1300.00	9.35	23.15	9.53	22.97	10.02	22.48
1320.00	9.43	23.20	9.61	23.02	10.19	22.44
1340.00	9.53	23.23	9.66	23.11	10.34	22.42
1360.00	9.63	23.26	9.73	23.16	10.46	22.43
1380.00	9.76	23.26	9.80	23.22	10.55	22.47
1400.00	9.87	23.27	9.92	23.22	10.61	22.53
1420.00	10.03	23.24	10.13	23.13	10.73	22.54
1440.00	10.18	23.21	10.36	23.03	10.85	22.54
1460.00	10.36	23.15	10.59	22.92	11.01	22.50
1480.00	10.53	23.09	10.77	22.85	11.21	22.41
1500.00	10.68	23.06	10.90	22.84	11.44	22.31
1520.00	10.81	23.05	10.98	22.88	11.64	22.22
1540.00	10.90	23.07	11.00	22.97	11.76	22.21
1560.00	11.01	23.07	11.07	23.01	11.86	22.22
1580.00	11.15	23.05	11.19	23.01	11.92	22.27
1600.00	11.30	23.00	11.35	22.96	11.99	22.31
1620.00	11.42	22.99	11.51	22.90	12.09	22.32
1640.00	11.50	23.02	11.63	22.89	12.21	22.30
1660.00	11.57	23.05	11.77	22.85	12.37	22.25
1680.00	11.66	23.06	11.85	22.87	12.49	22.23
1700.00	11.80	23.03	11.94	22.89	12.61	22.21
1720.00	11.87	23.06	11.98	22.95	12.67	22.26

Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
1740.00	11.89	23.14	12.03	23.00	12.70	22.33
1760.00	11.82	23.31	12.00	23.13	12.66	22.47
1780.00	11.64	23.59	11.87	23.36	12.51	22.72
1800.00	11.28	24.04	11.57	23.76	12.22	23.10
1820.00	10.87	24.55	11.20	24.23	11.85	23.57
1840.00	10.62	24.90	10.94	24.58	11.62	23.90
1860.00	10.59	25.02	10.91	24.70	11.57	24.04
1880.00	10.76	24.94	11.09	24.61	11.79	23.91
1900.00	11.08	24.71	11.33	24.47	12.04	23.76
1920.00	11.45	24.43	11.58	24.31	12.34	23.55
1940.00	11.68	24.29	11.77	24.21	12.51	23.46
1960.00	11.74	24.33	11.92	24.15	12.67	23.40
1980.00	11.78	24.38	12.00	24.15	12.74	23.41
2000.00	11.88	24.36	12.05	24.19	12.79	23.45
2020.00	11.98	24.35	12.08	24.25	12.80	23.53
2040.00	11.96	24.46	12.07	24.34	12.77	23.64
2060.00	11.84	24.66	12.04	24.46	12.71	23.78
2080.00	11.73	24.85	11.99	24.59	12.63	23.95
2100.00	11.65	25.01	11.94	24.73	12.59	24.08
2120.00	11.58	25.17	11.91	24.84	12.56	24.19
2140.00	11.54	25.28	11.88	24.94	12.56	24.27
2160.00	11.59	25.32	11.89	25.02	12.54	24.37
2180.00	11.62	25.37	11.90	25.09	12.57	24.42
2200.00	11.62	25.45	11.96	25.11	12.60	24.47
2220.00	11.69	25.46	12.02	25.13	12.70	24.44
2240.00	11.91	25.31	12.15	25.07	12.82	24.41
2260.00	12.06	25.24	12.26	25.04	12.97	24.34
2280.00	12.00	25.38	12.38	25.00	13.05	24.33
2300.00	11.82	25.63	12.37	25.08	13.05	24.41
2320.00	11.77	25.76	12.32	25.21	12.94	24.59
2340.00	11.77	25.83	12.16	25.45	12.72	24.88
2360.00	11.69	25.99	12.02	25.66	12.55	25.13
2380.00	11.50	26.25	11.88	25.87	12.43	25.33
2400.00	11.45	26.38	11.88	25.94	12.49	25.33
2420.00	11.51	26.38	11.99	25.91	12.61	25.28
2440.00	11.65	26.32	12.18	25.79	12.79	25.18
2460.00	11.79	26.25	12.37	25.67	12.92	25.12
2480.00	12.00	26.11	12.51	25.59	13.03	25.08
2500.00	12.17	26.01	12.63	25.55	13.13	25.05
2520.00	12.26	25.98	12.69	25.55	13.24	25.00
2540.00	12.33	25.99	12.78	25.53	13.35	24.97
2560.00	12.48	25.90	12.84	25.54	13.44	24.95
2580.00	12.60	25.85	12.93	25.53	13.50	24.95
2600.00	12.55	25.97	12.95	25.57	13.52	25.00
2620.00	12.47	26.12	13.00	25.58	13.59	25.00
2640.00	12.59	26.06	13.04	25.61	13.61	25.04
2660.00	12.83	25.89	13.12	25.60	13.70	25.02
2680.00	12.93	25.85	13.22	25.56	13.73	25.05
2700.00	12.85	25.99	13.34	25.50	13.84	25.01
2720.00	12.83	26.08	13.40	25.51	13.85	25.06
2740.00	12.95	26.02	13.42	25.55	13.90	25.08
2760.00	13.00	26.04	13.39	25.65	13.90	25.14
2780.00	12.91	26.19	13.39	25.71	13.96	25.14

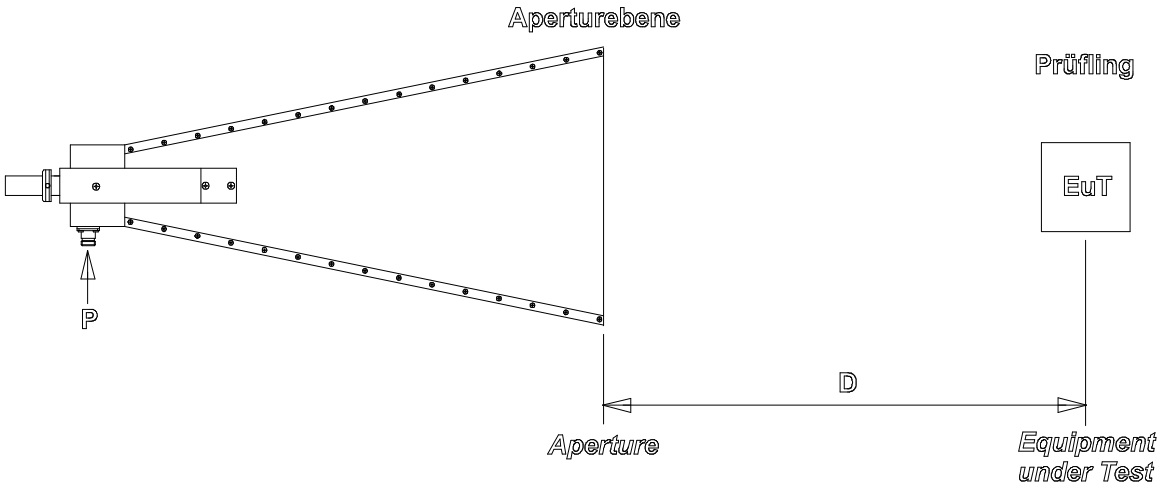
Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
2800.00	12.79	26.37	13.37	25.79	13.98	25.19
2820.00	12.80	26.43	13.42	25.81	13.99	25.24
2840.00	12.84	26.44	13.46	25.83	13.95	25.34
2860.00	12.84	26.50	13.51	25.84	13.91	25.44
2880.00	12.86	26.54	13.52	25.89	13.89	25.51
2900.00	12.91	26.56	13.52	25.95	13.92	25.55
2920.00	12.96	26.56	13.50	26.02	14.01	25.52
2940.00	12.98	26.61	13.54	26.04	14.08	25.51
2960.00	13.08	26.56	13.58	26.06	14.17	25.48
2980.00	13.28	26.42	13.72	25.99	14.24	25.46
3000.00	13.41	26.35	13.85	25.91	14.37	25.40
3020.00	13.47	26.35	14.04	25.78	14.49	25.33
3040.00	13.57	26.30	14.17	25.71	14.62	25.25
3060.00	13.83	26.10	14.35	25.58	14.77	25.16
3080.00	14.04	25.96	14.47	25.53	14.91	25.09
3100.00	14.12	25.92	14.61	25.44	15.05	25.00
3120.00	14.12	25.98	14.66	25.45	15.11	24.99
3140.00	14.19	25.97	14.73	25.43	15.21	24.95
3160.00	14.23	25.99	14.72	25.49	15.22	25.00
3180.00	14.20	26.07	14.74	25.53	15.23	25.04
3200.00	14.13	26.19	14.72	25.60	15.18	25.15
3220.00	14.08	26.30	14.71	25.67	15.12	25.26
3240.00	14.00	26.43	14.67	25.76	15.04	25.39
3260.00	13.89	26.59	14.62	25.86	15.00	25.49
3280.00	13.86	26.68	14.55	25.99	14.96	25.57
3300.00	13.91	26.69	14.50	26.09	14.99	25.60
3320.00	13.91	26.73	14.48	26.16	15.00	25.65
3340.00	13.89	26.80	14.55	26.15	15.07	25.62
3360.00	13.99	26.76	14.66	26.09	15.13	25.62
3380.00	14.20	26.60	14.79	26.01	15.24	25.56
3400.00	14.36	26.49	14.92	25.93	15.34	25.51
3420.00	14.41	26.49	15.05	25.85	15.47	25.43
3440.00	14.44	26.51	15.14	25.81	15.57	25.38
3460.00	14.52	26.48	15.20	25.80	15.64	25.36
3480.00	14.55	26.50	15.18	25.87	15.65	25.40
3500.00	14.47	26.63	15.12	25.98	15.61	25.50
3520.00	14.34	26.81	15.03	26.12	15.53	25.62
3540.00	14.24	26.96	14.95	26.25	15.42	25.78
3560.00	14.12	27.13	14.87	26.38	15.32	25.93
3580.00	13.98	27.32	14.78	26.52	15.22	26.08
3600.00	13.93	27.42	14.76	26.59	15.20	26.15
3620.00	13.98	27.41	14.73	26.67	15.18	26.22
3640.00	13.99	27.46	14.77	26.67	15.24	26.20
3660.00	13.92	27.57	14.76	26.73	15.24	26.25
3680.00	13.97	27.57	14.83	26.71	15.29	26.24
3700.00	14.13	27.45	14.83	26.75	15.31	26.27
3720.00	14.18	27.45	14.91	26.72	15.35	26.28
3740.00	14.06	27.62	14.88	26.80	15.35	26.32
3760.00	14.00	27.72	14.92	26.81	15.35	26.37
3780.00	14.09	27.68	14.91	26.86	15.38	26.39
3800.00	14.16	27.65	14.97	26.85	15.39	26.42
3820.00	14.12	27.74	14.97	26.89	15.44	26.42
3840.00	14.10	27.80	15.02	26.89	15.45	26.46

Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
3860.00	14.22	27.74	15.08	26.87	15.53	26.42
3880.00	14.28	27.72	15.14	26.86	15.56	26.43
3900.00	14.24	27.80	15.15	26.90	15.61	26.43
3920.00	14.21	27.88	15.09	27.00	15.56	26.53
3940.00	14.19	27.94	15.01	27.12	15.52	26.61
3960.00	14.08	28.09	14.90	27.27	15.37	26.80
3980.00	13.92	28.29	14.83	27.39	15.30	26.92
4000.00	13.90	28.36	14.75	27.51	15.19	27.07
4020.00	13.97	28.33	14.77	27.53	15.22	27.08
4040.00	13.99	28.36	14.80	27.55	15.26	27.09
4060.00	14.02	28.37	14.92	27.47	15.39	27.00
4080.00	14.20	28.23	15.02	27.41	15.51	26.93
4100.00	14.38	28.09	15.13	27.34	15.59	26.88
4120.00	14.40	28.12	15.16	27.36	15.65	26.87
4140.00	14.32	28.24	15.20	27.36	15.65	26.91
4160.00	14.32	28.28	15.18	27.43	15.65	26.95
4180.00	14.37	28.28	15.18	27.47	15.59	27.06
4200.00	14.32	28.37	15.12	27.56	15.59	27.10
4220.00	14.26	28.47	15.17	27.56	15.58	27.15
4240.00	14.39	28.37	15.20	27.57	15.69	27.08
4260.00	14.54	28.27	15.32	27.49	15.73	27.07
4280.00	14.53	28.32	15.35	27.49	15.86	26.98
4300.00	14.49	28.40	15.44	27.45	15.87	27.02
4320.00	14.68	28.25	15.43	27.50	15.95	26.98
4340.00	14.77	28.20	15.46	27.51	15.89	27.08
4360.00	14.60	28.41	15.39	27.62	15.88	27.13
4380.00	14.41	28.64	15.39	27.66	15.83	27.22
4400.00	14.51	28.58	15.34	27.75	15.80	27.29
4420.00	14.64	28.49	15.38	27.75	15.84	27.29
4440.00	14.53	28.63	15.38	27.79	15.84	27.33
4460.00	14.42	28.78	15.42	27.79	15.90	27.31
4480.00	14.57	28.67	15.44	27.80	15.88	27.37
4500.00	14.71	28.57	15.47	27.82	15.93	27.35
4520.00	14.67	28.65	15.50	27.83	15.92	27.40
4540.00	14.61	28.75	15.52	27.84	15.99	27.38
4560.00	14.76	28.64	15.58	27.82	15.99	27.41
4580.00	14.85	28.58	15.62	27.82	16.09	27.34
4600.00	14.80	28.68	15.72	27.76	16.12	27.35
4620.00	14.81	28.71	15.75	27.76	16.24	27.28
4640.00	15.05	28.50	15.84	27.71	16.26	27.29
4660.00	15.16	28.42	15.85	27.74	16.34	27.25
4680.00	15.05	28.58	15.93	27.69	16.36	27.26
4700.00	14.98	28.68	15.94	27.73	16.41	27.25
4720.00	15.16	28.54	15.99	27.71	16.44	27.26
4740.00	15.23	28.50	15.93	27.80	16.41	27.33
4760.00	15.03	28.74	15.92	27.85	16.40	27.37
4780.00	14.86	28.95	15.86	27.95	16.34	27.47
4800.00	14.95	28.90	15.86	27.99	16.34	27.51
4820.00	15.01	28.87	15.82	28.06	16.27	27.61
4840.00	14.88	29.04	15.81	28.11	16.25	27.67
4860.00	14.81	29.14	15.80	28.16	16.20	27.75
4880.00	14.96	29.03	15.84	28.15	16.27	27.72
4900.00	15.05	28.98	15.86	28.16	16.30	27.72

Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
4920.00	15.02	29.04	15.94	28.12	16.46	27.60
4940.00	15.12	28.98	16.02	28.07	16.51	27.58
4960.00	15.34	28.79	16.13	28.00	16.67	27.46
4980.00	15.39	28.77	16.25	27.91	16.71	27.45
5000.00	15.28	28.92	16.33	27.87	16.81	27.39
5020.00	15.38	28.86	16.41	27.83	16.82	27.42
5040.00	15.60	28.67	16.40	27.87	16.87	27.40
5060.00	15.59	28.71	16.44	27.86	16.90	27.40
5080.00	15.37	28.96	16.41	27.92	16.93	27.41
5100.00	15.43	28.94	16.45	27.92	16.98	27.39
5120.00	15.64	28.76	16.43	27.97	16.98	27.43
5140.00	15.67	28.77	16.50	27.93	17.03	27.41
5160.00	15.48	28.99	16.53	27.95	17.02	27.45
5180.00	15.57	28.94	16.62	27.88	17.10	27.40
5200.00	15.78	28.76	16.64	27.90	17.11	27.43
5220.00	15.81	28.77	16.72	27.85	17.20	27.37
5240.00	15.70	28.91	16.77	27.84	17.25	27.35
5260.00	15.86	28.78	16.87	27.77	17.38	27.26
5280.00	16.06	28.61	16.92	27.76	17.42	27.26
5300.00	15.98	28.73	16.98	27.72	17.51	27.20
5320.00	15.70	29.04	16.96	27.78	17.45	27.29
5340.00	15.79	28.98	16.94	27.83	17.45	27.32
5360.00	15.91	28.90	16.87	27.93	17.34	27.46
5380.00	15.74	29.09	16.84	27.99	17.32	27.51
5400.00	15.41	29.46	16.80	28.06	17.27	27.59
5420.00	15.62	29.28	16.80	28.10	17.30	27.60
5440.00	15.96	28.97	16.90	28.03	17.41	27.52
5460.00	16.04	28.92	17.01	27.95	17.54	27.42
5480.00	15.97	29.03	17.20	27.80	17.72	27.28
5500.00	16.28	28.75	17.37	27.66	17.88	27.14
5520.00	16.60	28.46	17.59	27.47	18.09	26.97
5540.00	16.73	28.36	17.75	27.34	18.26	26.83
5560.00	16.77	28.35	17.96	27.16	18.45	26.67
5580.00	16.97	28.18	18.09	27.07	18.58	26.57
5600.00	17.12	28.06	18.24	26.94	18.72	26.46
5620.00	17.11	28.10	18.30	26.92	18.78	26.44
5640.00	17.07	28.18	18.35	26.90	18.83	26.42
5660.00	17.09	28.18	18.32	26.96	18.81	26.47
5680.00	17.05	28.26	18.28	27.03	18.79	26.52
5700.00	16.93	28.41	18.21	27.13	18.73	26.61
5720.00	16.82	28.55	18.16	27.21	18.68	26.68
5740.00	16.77	28.63	18.12	27.28	18.62	26.77
5760.00	16.72	28.71	18.09	27.34	18.58	26.85
5780.00	16.65	28.80	18.07	27.38	18.56	26.90
5800.00	16.58	28.90	18.04	27.45	18.51	26.97
5820.00	16.51	29.01	17.96	27.56	18.46	27.05
5840.00	16.37	29.18	17.85	27.70	18.35	27.19
5860.00	16.17	29.41	17.68	27.90	18.22	27.36
5880.00	15.99	29.62	17.50	28.10	18.02	27.59
5900.00	15.76	29.88	17.28	28.35	17.81	27.83
5920.00	15.43	30.23	17.03	28.64	17.52	28.15
5940.00	15.08	30.62	16.78	28.92	17.26	28.43
5960.00	14.81	30.92	16.49	29.24	16.95	28.78

Frequency	Gain(Isotr.) 1 m Apert.	Ant.-Factor 1 m Apert.	Gain(Isotr.) 3 m Apert.	Ant.-Factor 3 m Apert.	Gain(Isotr.) Farfield	Ant.-Factor Farfield
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
5980.00	14.50	31.25	16.22	29.54	16.67	29.09
6000.00	14.07	31.72	15.88	29.90	16.32	29.46
6020.00	13.69	32.12	15.58	30.23	16.02	29.79
6040.00	13.47	32.37	15.25	30.59	15.67	30.17
6060.00	13.06	32.80	14.90	30.97	15.36	30.50
6080.00	12.44	33.45	14.56	31.34	14.96	30.94
6100.00	12.12	33.81	14.17	31.75	14.67	31.26
6120.00	11.92	34.03	13.85	32.11	14.21	31.75
6140.00	11.50	34.49	13.46	32.52	13.95	32.03
6160.00	10.84	35.18	13.26	32.75	13.54	32.47
6180.00	10.86	35.18	12.97	33.07	13.41	32.63
6200.00	10.90	35.16	12.88	33.19	13.11	32.96
6220.00	10.51	35.58	12.63	33.47	13.07	33.03
6240.00	9.89	36.24	12.54	33.58	12.82	33.31
6260.00	10.06	36.09	12.22	33.93	12.73	33.42
6280.00	10.07	36.11	12.04	34.14	12.37	33.81
6300.00	9.43	36.78	11.65	34.56	12.14	34.07
6320.00	8.49	37.74	11.41	34.82	11.67	34.57
6340.00	8.64	37.62	11.04	35.22	11.42	34.84
6360.00	8.56	37.73	10.86	35.43	11.05	35.24
6380.00	7.73	38.58	10.58	35.74	10.89	35.43
6400.00	7.13	39.22	10.42	35.92	10.66	35.68
6420.00	7.80	38.57	10.18	36.19	10.49	35.88
6440.00	7.88	38.52	10.04	36.35	10.40	36.00
6460.00	7.04	39.39	9.89	36.54	10.19	36.23
6480.00	6.99	39.46	9.81	36.64	10.19	36.27
6500.00	7.99	38.49	9.79	36.69	9.96	36.52

Erzeugung definierter Feldstärken
Generating defined Field Strength

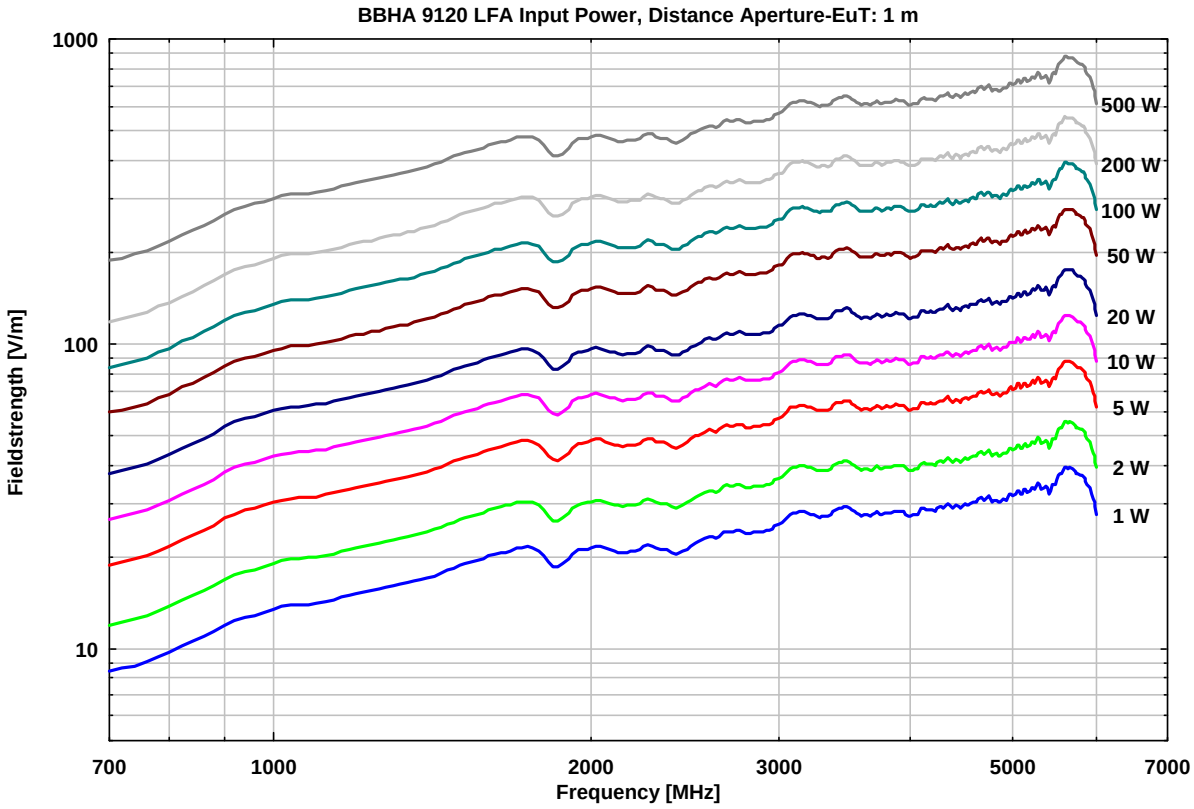


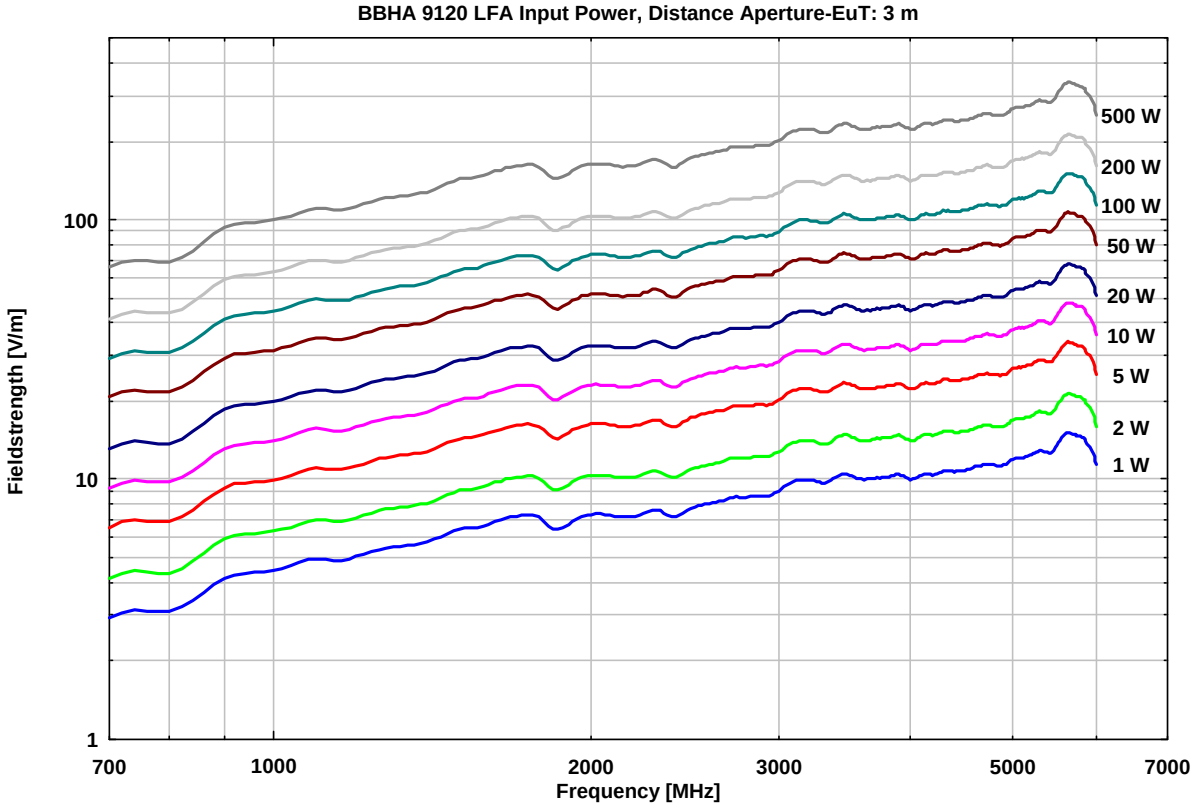
Entfernungsskizze Antenne-Prüfling (Immunitätsprüfung)
Distance Setup Antenna-EuT (Immunity Test)

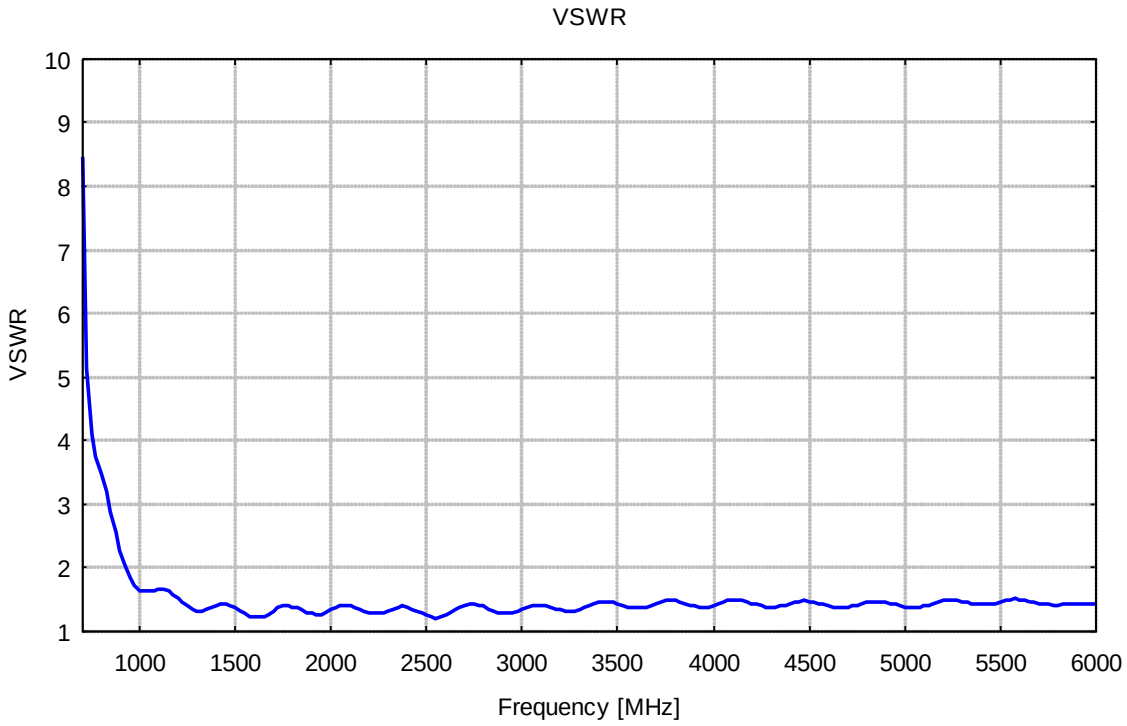
Erzeugung von Feldstärken unter Freiraumbedingungen vor der Vorderkante (sog. Aperturöffnung) der Hornantenne (siehe Skizze und Angaben bei den Kurvenscharen). Wenn Anteile von Umgebungsreflexionen vorhanden sind, kann dies zu einer frequenz- und höhenabhängigen Änderung der Feldstärke führen. Die Leistungsangaben beziehen sich auf eine 50 Ω Quellimpedanz und unmodulierte Hochfrequenz (CW). Bei 80% Amplitudenmodulation ist die 1.8-fache Spannungsaussteuerung erforderlich, was in einem ca. 3.2-fachen Leistungsbedarf resultiert.

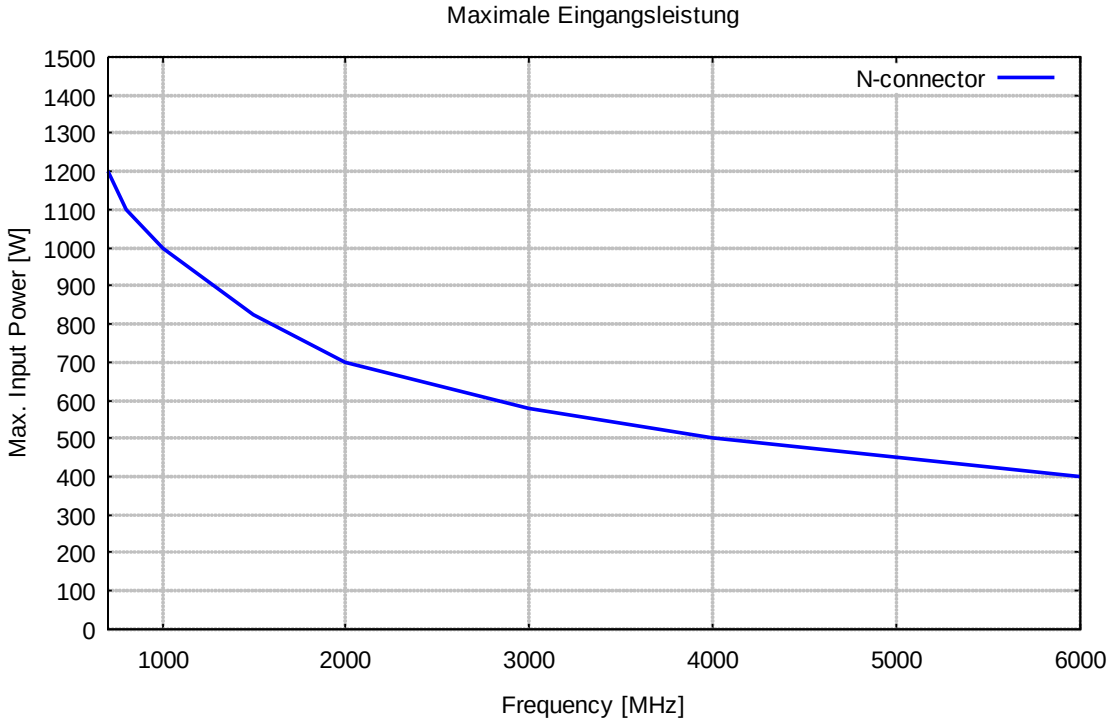
Field Strength generated under free-space conditions at a separation from the antenna aperture plane (see diagrams for several combinations of power and distance). If environmental reflections are present, this may lead to frequency and height dependent fieldstrengths. The Power figures refer to a 50 Ω Source and an unmodulated (cw) signal. An 80% Amplitude Modulation requires a 1.8 times higher voltage, resulting in 3.2 times higher power compared to cw.

Erzeugte Elektrische Feldstärke vor der Antennenspitze
unmoduliert, Eingangsleistung an N-Buchse, Reflexionsfreie Umgebung
Generated Electrical Fieldstrength in front of Antenna Tip
no modulation, Input Power at N-Connector, Anechoic Environmental Conditions









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