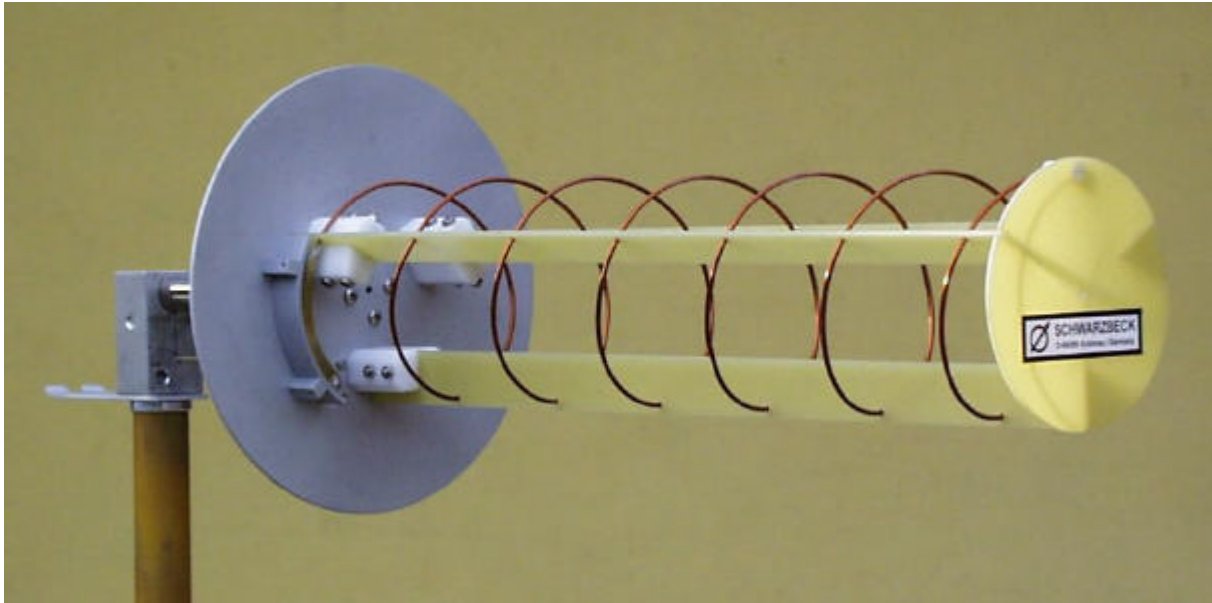


SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-RHCP Helix Antenna HLX 0810-RHCP



Technische Daten:

HLX 0810

Specifications:

Bauart:

Zirkular polarisierte Spiralantenne (Helix) mit Aluminium-Reflektor und N-Buchse für Empfangs- und Sendeanwendungen. Beide Polarisationsarten (zirkular rechtsdrehend oder zirkular linksdrehend) sind verfügbar.

Type:
Circular polarized Helix Antenna with Aluminium Reflector Plate and NConnector for Receive and Transmit Applications. Two Polarisation Directions are available (RHCP or LHCP, i.e. Right or Left Hand Circular Polarisation).

Frequenzbereich, nominell:

750 MHz...1050 MHz

Nominal Frequency Range:

Nutzbarer Frequenzbereich:

600 MHz...1.1 GHz

Usable Frequency Range:

Isotropgewinn:

typ. 6 - 12 dBic

Isotropic Gain:

Antennenfaktor:

typ. 17-20 dB/m

Antenna Factor:

Impedanz, nominell:

50 Ω

Nominal Impedance:

Stehwellenverhältnis SWR max.:

< 2.2

Standing Wave Ratio SWR max.:

Stehwellenverhältnis SWR typisch:

< 1.5

Standing Wave Ratio SWR

Vor- Rückverhältnis:

typ. > 15 dB

typical:
Front to Back Ratio:

3 dB Öffnungswinkel typ.:

56°-33°

3 dB Beamwidth typ. :

6 dB Öffnungswinkel typ.:

70°-50°

6 dB Beamwidth typ. :

Max. Eingangsleistung:

300 W

Max. Input Power:

Anschlußart: N-Buchse

N-Connector female

Befestigung (Rohr):

22 mm, L=200 mm

Mount (Tube):

Breite x Länge x Dicke:

0.24 x 0.50 (+0.2) x 0.24 m

Width x Length x Thickness:

Gewicht:

3.1 kg

Weight:

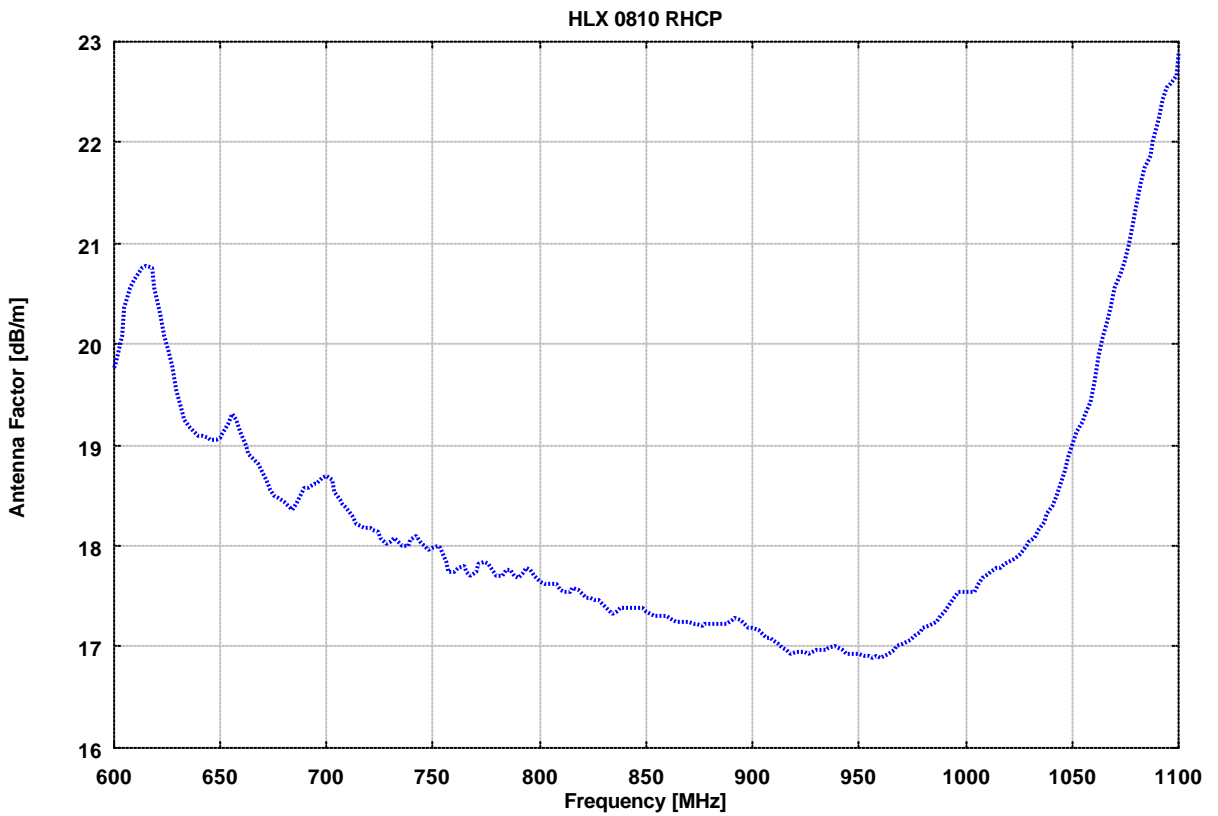
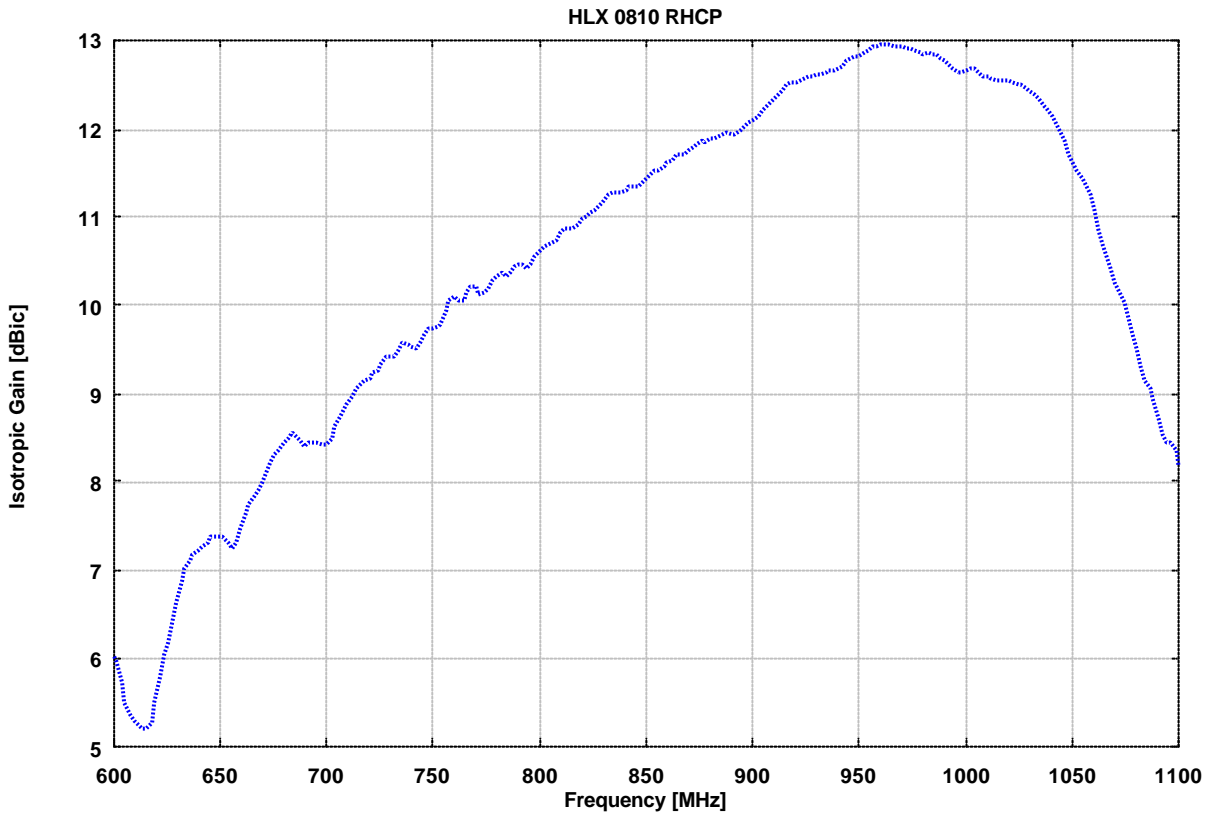
Empfohlenes Zubehör:

AM 9144 Mast

Recommended Accessories:

AA 9202 / AA9203 Adapter

Helix Antenne HLX 0810-RHCP
Helix Antenna HLX 0810-RHCP



SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-RHCP Helix Antenna HLX 0810-RHCP

RHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBi	dB/m
600.00	2.10	0.50	22.41	6.02	19.76
602.00	2.10	0.50	22.50	5.98	19.83
604.00	2.09	0.50	23.00	5.74	20.10
606.00	2.09	0.50	23.49	5.50	20.37
608.00	2.09	0.49	23.81	5.35	20.55
610.00	2.08	0.49	23.92	5.30	20.63
612.00	2.08	0.49	24.04	5.25	20.71
614.00	2.08	0.49	24.11	5.22	20.76
616.00	2.07	0.49	24.13	5.22	20.79
618.00	2.07	0.49	24.02	5.28	20.76
620.00	2.07	0.48	23.60	5.50	20.57
622.00	2.06	0.48	23.03	5.79	20.31
624.00	2.06	0.48	22.55	6.04	20.08
626.00	2.06	0.48	22.26	6.19	19.96
628.00	2.05	0.48	21.85	6.40	19.78
630.00	2.05	0.48	21.39	6.64	19.57
632.00	2.05	0.47	20.90	6.89	19.34
634.00	2.05	0.47	20.68	7.01	19.25
636.00	2.04	0.47	20.49	7.11	19.18
638.00	2.04	0.47	20.39	7.17	19.15
640.00	2.04	0.47	20.28	7.23	19.11
642.00	2.03	0.47	20.21	7.27	19.10
644.00	2.03	0.47	20.13	7.32	19.08
646.00	2.03	0.46	20.04	7.37	19.05
648.00	2.02	0.46	20.02	7.39	19.06
650.00	2.02	0.46	20.01	7.40	19.08
652.00	2.02	0.46	20.09	7.37	19.13
654.00	2.02	0.46	20.20	7.32	19.21
656.00	2.01	0.46	20.35	7.25	19.31
658.00	2.01	0.46	20.23	7.32	19.26
660.00	2.01	0.45	19.94	7.47	19.14
662.00	2.00	0.45	19.60	7.65	18.99
664.00	2.00	0.45	19.41	7.75	18.91
666.00	2.00	0.45	19.27	7.83	18.86
668.00	2.00	0.45	19.14	7.90	18.82
670.00	1.99	0.45	18.95	8.00	18.74
672.00	1.99	0.45	18.75	8.11	18.66
674.00	1.99	0.45	18.52	8.23	18.56
676.00	1.98	0.44	18.35	8.32	18.50
678.00	1.98	0.44	18.27	8.37	18.47
680.00	1.98	0.44	18.16	8.43	18.44
682.00	1.98	0.44	18.04	8.50	18.40
684.00	1.97	0.44	17.93	8.56	18.36
686.00	1.97	0.44	18.02	8.52	18.43
688.00	1.97	0.44	18.14	8.47	18.50
690.00	1.97	0.43	18.27	8.41	18.59
692.00	1.96	0.43	18.25	8.43	18.59
694.00	1.96	0.43	18.26	8.43	18.62
696.00	1.96	0.43	18.23	8.45	18.62
698.00	1.96	0.43	18.31	8.42	18.68
700.00	1.95	0.43	18.32	8.42	18.70
702.00	1.95	0.43	18.19	8.49	18.66
704.00	1.95	0.43	17.95	8.62	18.55

SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-RHCP

Helix Antenna HLX 0810-RHCP

RHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBi	dB/m
706.00	1.95	0.42	17.72	8.74	18.46
708.00	1.94	0.42	17.61	8.80	18.42
710.00	1.94	0.42	17.49	8.87	18.38
712.00	1.94	0.42	17.30	8.97	18.30
714.00	1.94	0.42	17.12	9.07	18.22
716.00	1.93	0.42	17.05	9.11	18.21
718.00	1.93	0.42	16.98	9.15	18.19
720.00	1.93	0.42	16.94	9.18	18.19
722.00	1.93	0.42	16.85	9.23	18.16
724.00	1.92	0.41	16.78	9.27	18.14
726.00	1.92	0.41	16.64	9.35	18.09
728.00	1.92	0.41	16.49	9.43	18.03
730.00	1.92	0.41	16.48	9.44	18.05
732.00	1.92	0.41	16.50	9.44	18.07
734.00	1.91	0.41	16.41	9.49	18.04
736.00	1.91	0.41	16.26	9.57	17.99
738.00	1.91	0.41	16.30	9.56	18.02
740.00	1.91	0.41	16.35	9.54	18.06
742.00	1.90	0.40	16.40	9.52	18.11
744.00	1.90	0.40	16.26	9.60	18.05
746.00	1.90	0.40	16.15	9.66	18.01
748.00	1.90	0.40	16.02	9.73	17.97
750.00	1.89	0.40	16.02	9.74	17.98
752.00	1.89	0.40	16.01	9.75	17.99
754.00	1.89	0.40	15.94	9.79	17.98
756.00	1.89	0.40	15.67	9.93	17.86
758.00	1.89	0.40	15.43	10.06	17.75
760.00	1.88	0.39	15.38	10.09	17.75
762.00	1.88	0.39	15.43	10.07	17.79
764.00	1.88	0.39	15.45	10.07	17.81
766.00	1.88	0.39	15.28	10.16	17.74
768.00	1.88	0.39	15.19	10.21	17.72
770.00	1.87	0.39	15.23	10.20	17.75
772.00	1.87	0.39	15.36	10.14	17.83
774.00	1.87	0.39	15.35	10.15	17.84
776.00	1.87	0.39	15.28	10.19	17.83
778.00	1.87	0.39	15.12	10.28	17.76
780.00	1.86	0.38	15.01	10.34	17.72
782.00	1.86	0.38	14.98	10.36	17.72
784.00	1.86	0.38	15.04	10.34	17.77
786.00	1.86	0.38	15.01	10.36	17.77
788.00	1.86	0.38	14.86	10.44	17.71
790.00	1.85	0.38	14.79	10.48	17.69
792.00	1.85	0.38	14.85	10.46	17.73
794.00	1.85	0.38	14.92	10.43	17.79
796.00	1.85	0.38	14.85	10.47	17.77
798.00	1.85	0.38	14.70	10.55	17.71
800.00	1.84	0.38	14.56	10.63	17.65
802.00	1.84	0.37	14.47	10.68	17.62
804.00	1.84	0.37	14.44	10.70	17.63
806.00	1.84	0.37	14.44	10.71	17.64
808.00	1.84	0.37	14.37	10.75	17.62
810.00	1.83	0.37	14.24	10.82	17.57
812.00	1.83	0.37	14.15	10.87	17.54

SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-RHCP

Helix Antenna HLX 0810-RHCP

RHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBi	dB/m
814.00	1.83	0.37	14.17	10.87	17.56
816.00	1.83	0.37	14.18	10.87	17.58
818.00	1.83	0.37	14.11	10.91	17.57
820.00	1.83	0.37	13.98	10.98	17.52
822.00	1.82	0.36	13.92	11.02	17.50
824.00	1.82	0.36	13.87	11.05	17.49
826.00	1.82	0.36	13.82	11.08	17.48
828.00	1.82	0.36	13.75	11.12	17.46
830.00	1.82	0.36	13.67	11.17	17.43
832.00	1.81	0.36	13.52	11.25	17.37
834.00	1.81	0.36	13.43	11.30	17.34
836.00	1.81	0.36	13.44	11.30	17.36
838.00	1.81	0.36	13.45	11.30	17.38
840.00	1.81	0.36	13.45	11.31	17.40
842.00	1.81	0.36	13.38	11.35	17.38
844.00	1.80	0.36	13.37	11.36	17.39
846.00	1.80	0.35	13.36	11.37	17.40
848.00	1.80	0.35	13.34	11.39	17.40
850.00	1.80	0.35	13.23	11.45	17.36
852.00	1.80	0.35	13.16	11.49	17.34
854.00	1.80	0.35	13.09	11.53	17.32
856.00	1.79	0.35	13.09	11.54	17.33
858.00	1.79	0.35	13.02	11.58	17.31
860.00	1.79	0.35	12.97	11.61	17.30
862.00	1.79	0.35	12.90	11.65	17.28
864.00	1.79	0.35	12.81	11.70	17.25
866.00	1.79	0.35	12.79	11.72	17.25
868.00	1.78	0.35	12.78	11.73	17.26
870.00	1.78	0.34	12.75	11.75	17.26
872.00	1.78	0.34	12.66	11.80	17.23
874.00	1.78	0.34	12.61	11.83	17.22
876.00	1.78	0.34	12.57	11.86	17.21
878.00	1.78	0.34	12.60	11.85	17.24
880.00	1.77	0.34	12.55	11.88	17.23
882.00	1.77	0.34	12.52	11.90	17.23
884.00	1.77	0.34	12.47	11.93	17.22
886.00	1.77	0.34	12.47	11.94	17.23
888.00	1.77	0.34	12.46	11.95	17.24
890.00	1.77	0.34	12.49	11.94	17.27
892.00	1.76	0.34	12.50	11.94	17.29
894.00	1.76	0.34	12.43	11.98	17.27
896.00	1.76	0.33	12.33	12.04	17.23
898.00	1.76	0.33	12.24	12.09	17.20
900.00	1.76	0.33	12.23	12.10	17.20
902.00	1.76	0.33	12.14	12.15	17.17
904.00	1.76	0.33	12.03	12.21	17.13
906.00	1.75	0.33	11.92	12.27	17.09
908.00	1.75	0.33	11.90	12.29	17.09
910.00	1.75	0.33	11.81	12.34	17.06
912.00	1.75	0.33	11.72	12.39	17.03
914.00	1.75	0.33	11.61	12.45	16.99
916.00	1.75	0.33	11.54	12.49	16.97
918.00	1.74	0.33	11.47	12.53	16.95
920.00	1.74	0.33	11.47	12.54	16.96

SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-RHCP

Helix Antenna HLX 0810-RHCP

RHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBi	dB/m
922.00	1.74	0.33	11.46	12.55	16.96
924.00	1.74	0.32	11.43	12.57	16.96
926.00	1.74	0.32	11.38	12.60	16.95
928.00	1.74	0.32	11.37	12.61	16.96
930.00	1.74	0.32	11.36	12.62	16.97
932.00	1.73	0.32	11.36	12.63	16.98
934.00	1.73	0.32	11.33	12.65	16.98
936.00	1.73	0.32	11.32	12.66	16.99
938.00	1.73	0.32	11.33	12.66	17.00
940.00	1.73	0.32	11.28	12.69	16.99
942.00	1.73	0.32	11.23	12.72	16.98
944.00	1.73	0.32	11.14	12.77	16.95
946.00	1.73	0.32	11.10	12.80	16.94
948.00	1.72	0.32	11.05	12.83	16.93
950.00	1.72	0.32	11.06	12.83	16.94
952.00	1.72	0.32	10.99	12.87	16.92
954.00	1.72	0.31	10.96	12.89	16.92
956.00	1.72	0.31	10.89	12.93	16.90
958.00	1.72	0.31	10.88	12.94	16.91
960.00	1.72	0.31	10.84	12.97	16.90
962.00	1.71	0.31	10.85	12.97	16.91
964.00	1.71	0.31	10.86	12.97	16.93
966.00	1.71	0.31	10.91	12.95	16.97
968.00	1.71	0.31	10.94	12.94	17.00
970.00	1.71	0.31	10.97	12.93	17.03
972.00	1.71	0.31	11.00	12.92	17.05
974.00	1.71	0.31	11.01	12.92	17.07
976.00	1.71	0.31	11.07	12.90	17.11
978.00	1.70	0.31	11.12	12.88	17.15
980.00	1.70	0.31	11.21	12.84	17.20
982.00	1.70	0.31	11.20	12.85	17.21
984.00	1.70	0.30	11.23	12.84	17.24
986.00	1.70	0.30	11.24	12.84	17.26
988.00	1.70	0.30	11.33	12.80	17.32
990.00	1.70	0.30	11.38	12.78	17.35
992.00	1.69	0.30	11.48	12.74	17.41
994.00	1.69	0.30	11.57	12.70	17.47
996.00	1.69	0.30	11.68	12.65	17.54
998.00	1.69	0.30	11.71	12.64	17.56
1000.00	1.69	0.30	11.68	12.66	17.56
1002.00	1.69	0.30	11.63	12.69	17.55
1004.00	1.69	0.30	11.64	12.69	17.56
1006.00	1.69	0.30	11.75	12.64	17.63
1008.00	1.69	0.30	11.82	12.61	17.68
1010.00	1.68	0.30	11.89	12.58	17.73
1012.00	1.68	0.30	11.93	12.57	17.75
1014.00	1.68	0.30	11.98	12.55	17.79
1016.00	1.68	0.30	11.97	12.56	17.80
1018.00	1.68	0.29	12.00	12.55	17.82
1020.00	1.68	0.29	12.01	12.55	17.84
1022.00	1.68	0.29	12.06	12.53	17.88
1024.00	1.68	0.29	12.09	12.52	17.91
1026.00	1.67	0.29	12.14	12.50	17.94
1028.00	1.67	0.29	12.23	12.46	18.00

SCHWARZBECK MESS - ELEKTRONIK

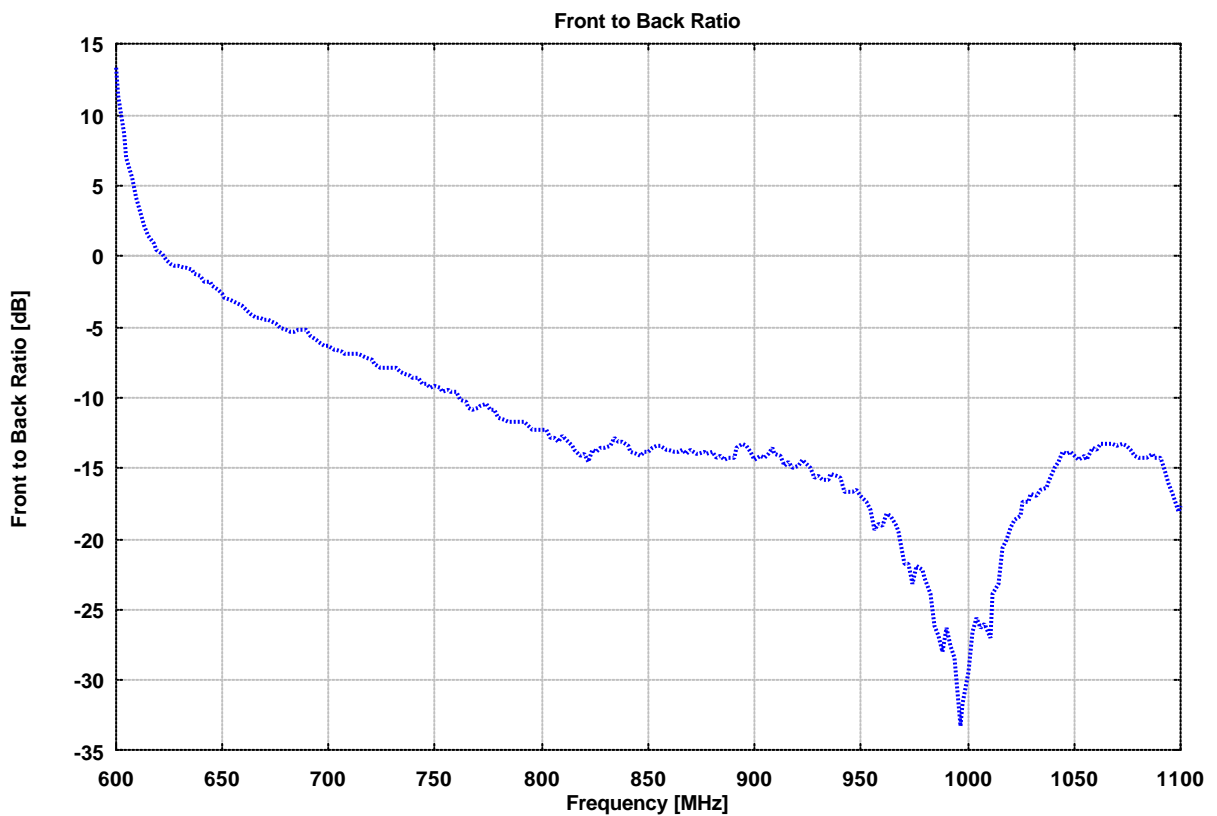
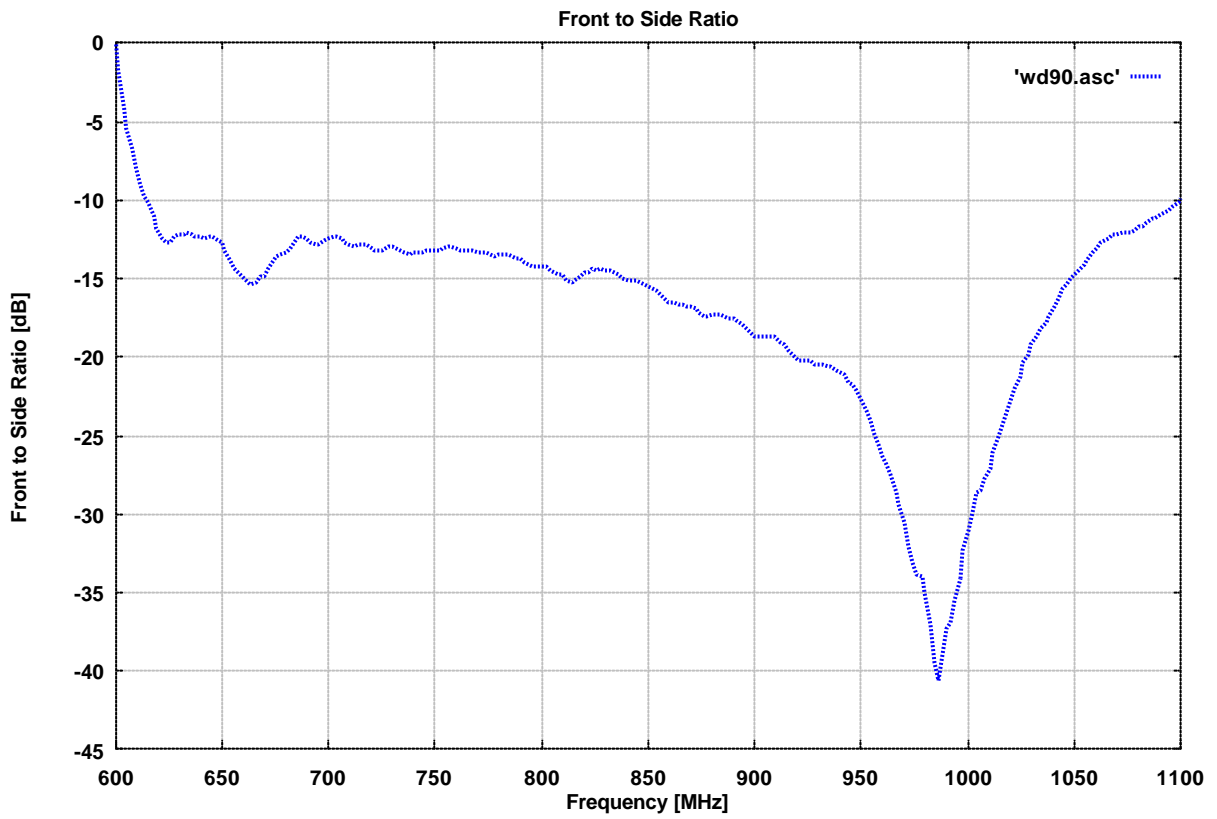
An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Helix Antenne HLX 0810-RHCP

Helix Antenna HLX 0810-RHCP

RHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBi	dB/m
1030.00	1.67	0.29	12.28	12.44	18.04
1032.00	1.67	0.29	12.37	12.40	18.09
1034.00	1.67	0.29	12.49	12.35	18.16
1036.00	1.67	0.29	12.66	12.27	18.26
1038.00	1.67	0.29	12.77	12.22	18.32
1040.00	1.67	0.29	12.92	12.15	18.41
1042.00	1.67	0.29	13.09	12.07	18.51
1044.00	1.66	0.29	13.32	11.96	18.63
1046.00	1.66	0.29	13.53	11.86	18.75
1048.00	1.66	0.29	13.80	11.73	18.90
1050.00	1.66	0.29	14.03	11.62	19.02
1052.00	1.66	0.29	14.24	11.52	19.14
1054.00	1.66	0.28	14.39	11.45	19.23
1056.00	1.66	0.28	14.52	11.39	19.30
1058.00	1.66	0.28	14.77	11.27	19.44
1060.00	1.66	0.28	15.16	11.08	19.65
1062.00	1.65	0.28	15.64	10.85	19.89
1064.00	1.65	0.28	15.97	10.69	20.07
1066.00	1.65	0.28	16.22	10.57	20.21
1068.00	1.65	0.28	16.51	10.43	20.36
1070.00	1.65	0.28	16.86	10.26	20.55
1072.00	1.65	0.28	17.13	10.13	20.69
1074.00	1.65	0.28	17.36	10.02	20.82
1076.00	1.65	0.28	17.67	9.87	20.99
1078.00	1.65	0.28	18.06	9.68	21.19
1080.00	1.64	0.28	18.43	9.50	21.39
1082.00	1.64	0.28	18.84	9.30	21.60
1084.00	1.64	0.28	19.13	9.16	21.76
1086.00	1.64	0.28	19.34	9.06	21.88
1088.00	1.64	0.28	19.59	8.94	22.01
1090.00	1.64	0.28	20.02	8.73	22.24
1092.00	1.64	0.27	20.41	8.54	22.44
1094.00	1.64	0.27	20.60	8.45	22.55
1096.00	1.64	0.27	20.65	8.43	22.59
1098.00	1.64	0.27	20.82	8.35	22.68
1100.00	1.63	0.27	21.20	8.17	22.88

Helix Antenne HLX 0810-RHCP
Helix Antenna HLX 0810-RHCP



Helix Antenne HLX 0810-RHCP
Helix Antenna HLX 0810-RHCP

