

**HLX 0810-RHCP - Helix Antenne**  
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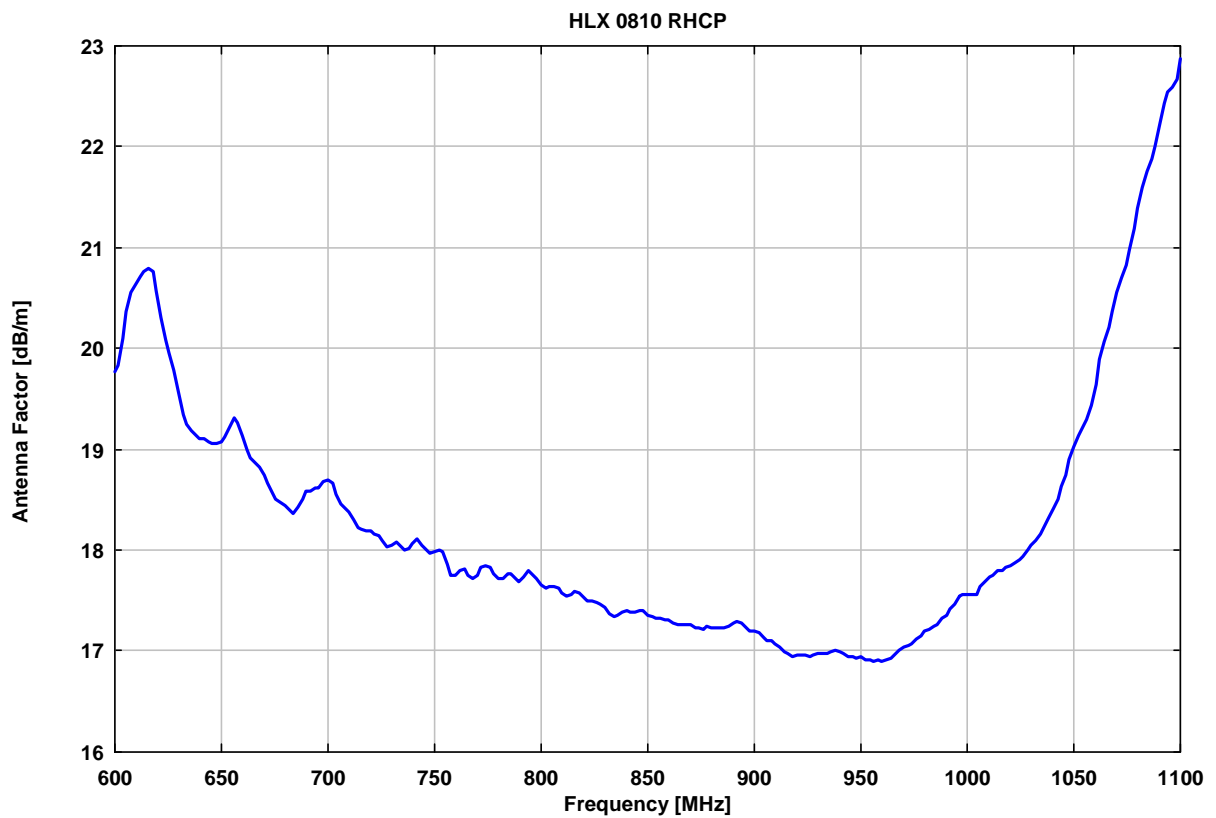
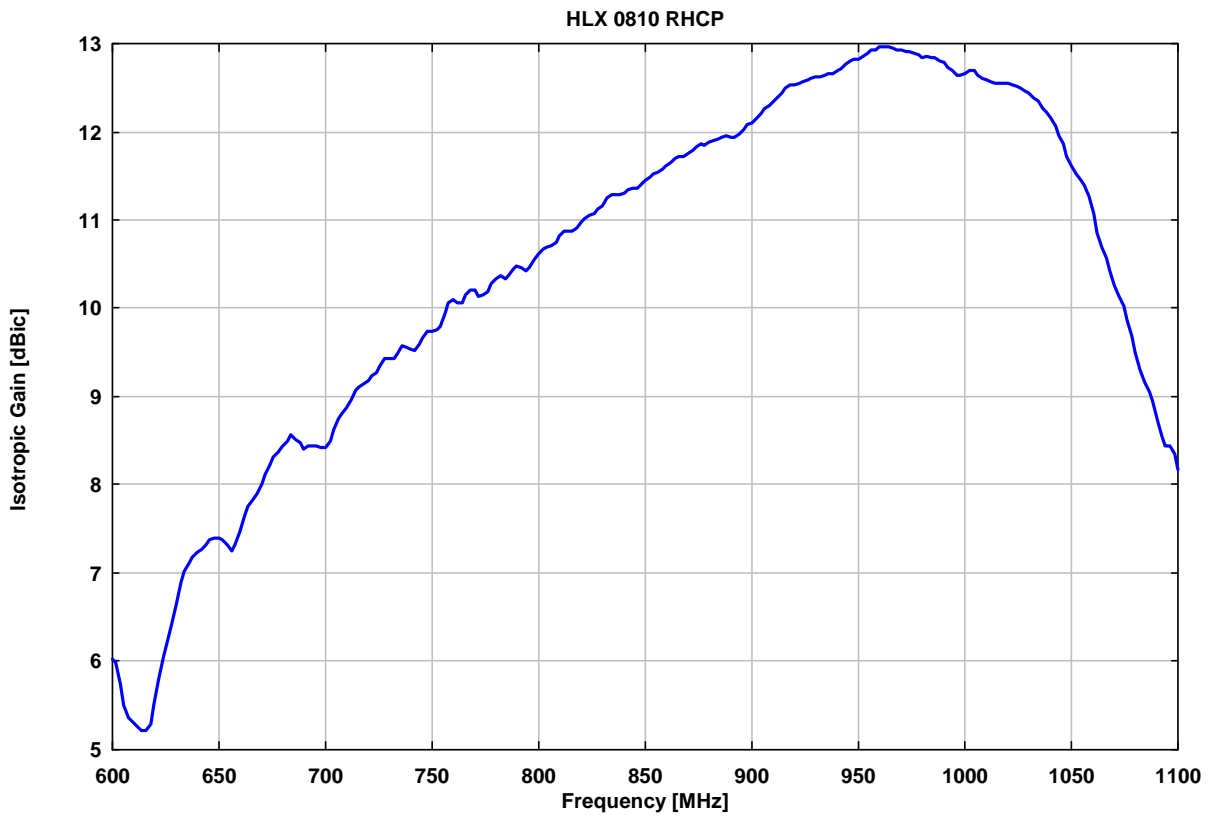
**Beschreibung:**

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

**Description:**

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

<b>Technische Daten:</b>		<b>Specifications:</b>
Frequenzbereich, nominell:	750 MHz...1050 MHz	Nominal Frequency Range:
Nutzbarer Frequenzbereich:	600 MHz...1.1 GHz	Usable Frequency Range:
Isotropiegewinn:	typ. 6 - 12 dBic	Isotropic Gain:
Antennenfaktor:	typ. 17-20 dB/m	Antenna Factor:
Impedanz, nominell:	50 Ω	Nominal Impedance:
SWR max.:	< 2.2	SWR max.:
SWR typisch:	< 1.5	SWR typical:
Vor- Rückverhältnis:	typ. > 15 dB	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 AA 9202 / AA9203 Adapter	Recommended Accessories:



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



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



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



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

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

