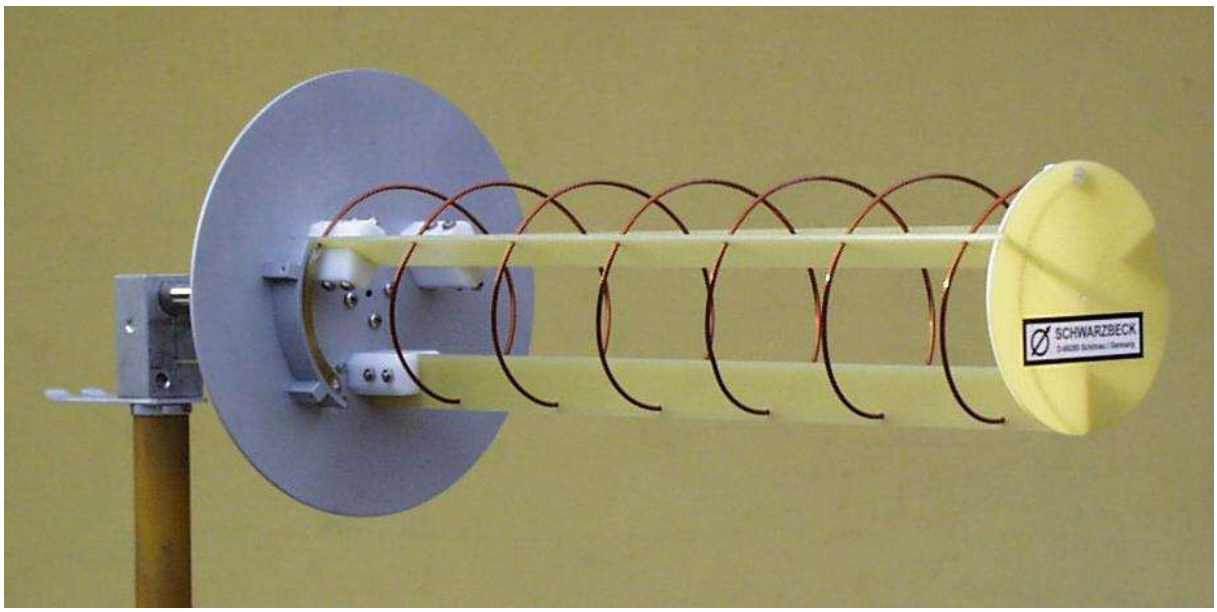
SCHWARZBECK MESS - ELEKTRONIK

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

Helix Antenne HLX 0810-LHCP
Helix Antenna HLX 0810-LHCP



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 N-Connector for Receive and Transmit Applications. Two Polarisation Directions are available (RHCP or LHCP, i.e. Right or Left Hand Circular Polarisdation).*
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 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:*

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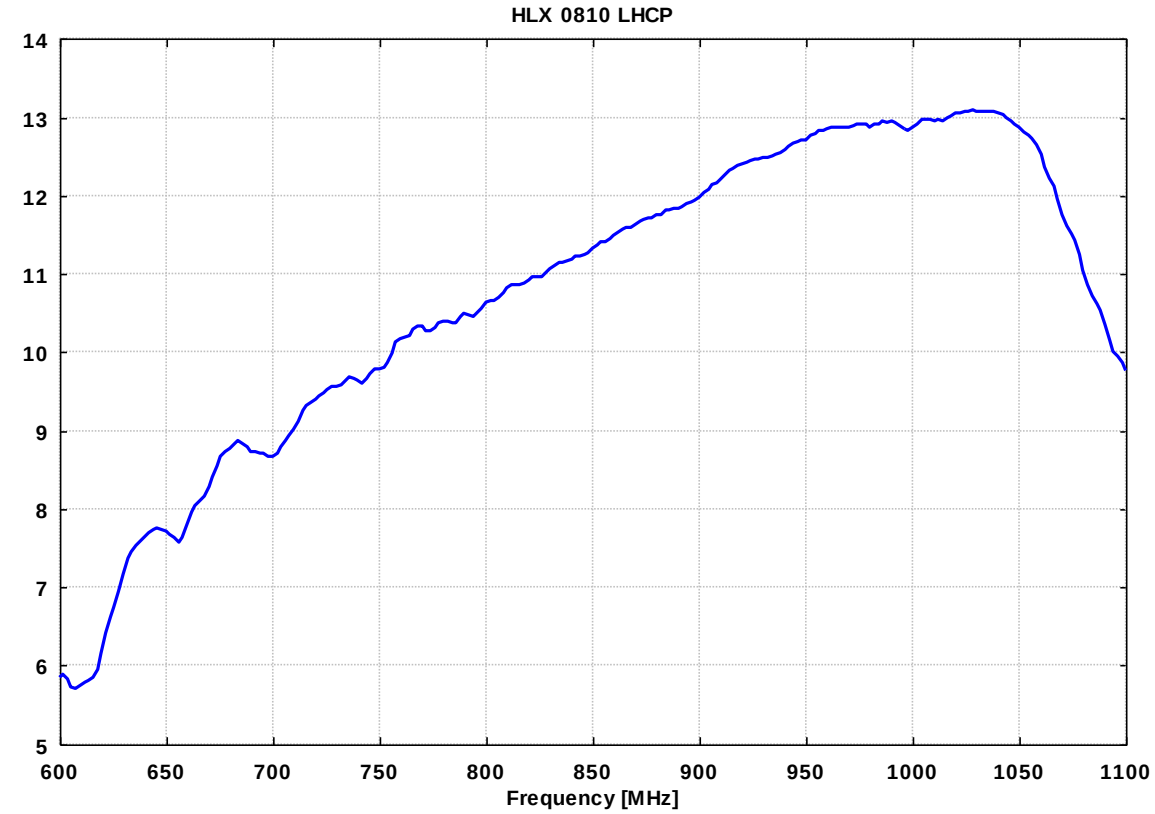

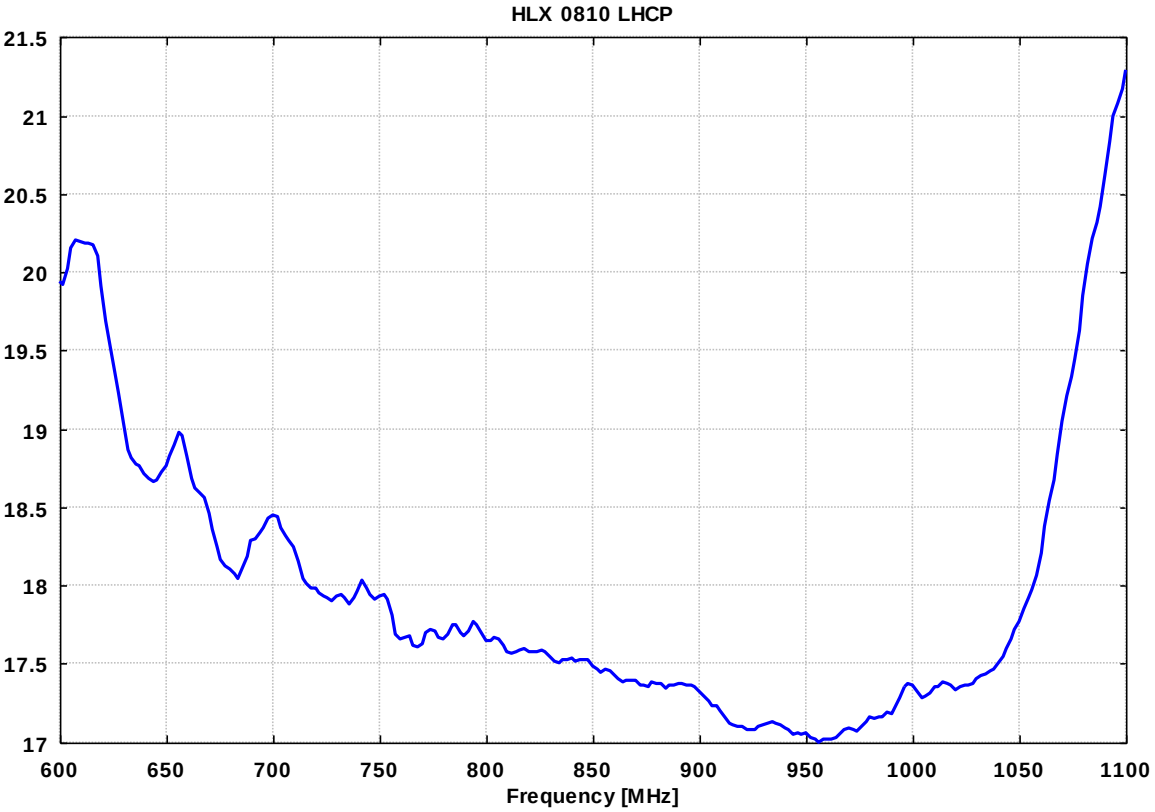

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LHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBic	dB/m
600.00	2.10	0.50	22.77	5.84	19.94
602.00	2.10	0.50	22.68	5.89	19.92
604.00	2.09	0.50	22.84	5.82	20.02
606.00	2.09	0.50	23.05	5.72	20.15
608.00	2.09	0.49	23.11	5.70	20.20
610.00	2.08	0.49	23.04	5.74	20.19
612.00	2.08	0.49	22.98	5.78	20.18
614.00	2.08	0.49	22.95	5.80	20.18
616.00	2.07	0.49	22.89	5.84	20.17
618.00	2.07	0.49	22.70	5.94	20.10
620.00	2.07	0.48	22.28	6.16	19.91
622.00	2.06	0.48	21.79	6.41	19.69
624.00	2.06	0.48	21.41	6.61	19.51
626.00	2.06	0.48	21.14	6.75	19.40
628.00	2.05	0.48	20.75	6.95	19.23
630.00	2.05	0.48	20.35	7.16	19.05
632.00	2.05	0.47	19.94	7.37	18.86
634.00	2.05	0.47	19.80	7.45	18.81
636.00	2.04	0.47	19.67	7.52	18.77
638.00	2.04	0.47	19.61	7.56	18.76
640.00	2.04	0.47	19.48	7.63	18.71
642.00	2.03	0.47	19.37	7.69	18.68
644.00	2.03	0.47	19.29	7.74	18.66
646.00	2.03	0.46	19.28	7.75	18.67
648.00	2.02	0.46	19.34	7.73	18.72
650.00	2.02	0.46	19.37	7.72	18.76
652.00	2.02	0.46	19.47	7.68	18.82
654.00	2.02	0.46	19.58	7.63	18.90
656.00	2.01	0.46	19.69	7.58	18.98
658.00	2.01	0.46	19.61	7.63	18.95
660.00	2.01	0.45	19.30	7.79	18.82
662.00	2.00	0.45	18.98	7.96	18.68
664.00	2.00	0.45	18.83	8.04	18.62
666.00	2.00	0.45	18.73	8.10	18.59
668.00	2.00	0.45	18.62	8.16	18.56
670.00	1.99	0.45	18.39	8.28	18.46
672.00	1.99	0.45	18.15	8.41	18.36
674.00	1.99	0.45	17.88	8.55	18.24
676.00	1.98	0.44	17.67	8.66	18.16
678.00	1.98	0.44	17.57	8.72	18.12
680.00	1.98	0.44	17.48	8.77	18.10
682.00	1.98	0.44	17.38	8.83	18.07
684.00	1.97	0.44	17.29	8.88	18.04
686.00	1.97	0.44	17.38	8.84	18.11
688.00	1.97	0.44	17.50	8.79	18.18
690.00	1.97	0.43	17.65	8.72	18.28
692.00	1.96	0.43	17.67	8.72	18.30
694.00	1.96	0.43	17.70	8.71	18.34
696.00	1.96	0.43	17.73	8.70	18.37
698.00	1.96	0.43	17.81	8.67	18.43
700.00	1.95	0.43	17.82	8.67	18.45
702.00	1.95	0.43	17.75	8.71	18.44
704.00	1.95	0.43	17.59	8.80	18.37

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LHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBic	dB/m
706.00	1.95	0.42	17.44	8.88	18.32
708.00	1.94	0.42	17.35	8.93	18.29
710.00	1.94	0.42	17.21	9.01	18.24
712.00	1.94	0.42	17.00	9.12	18.15
714.00	1.94	0.42	16.76	9.25	18.04
716.00	1.93	0.42	16.65	9.31	18.01
718.00	1.93	0.42	16.56	9.36	17.98
720.00	1.93	0.42	16.52	9.39	17.98
722.00	1.93	0.42	16.43	9.44	17.95
724.00	1.92	0.41	16.36	9.48	17.93
726.00	1.92	0.41	16.30	9.52	17.92
728.00	1.92	0.41	16.23	9.56	17.90
730.00	1.92	0.41	16.24	9.56	17.93
732.00	1.92	0.41	16.24	9.57	17.94
734.00	1.91	0.41	16.17	9.61	17.92
736.00	1.91	0.41	16.04	9.68	17.88
738.00	1.91	0.41	16.10	9.66	17.92
740.00	1.91	0.41	16.15	9.64	17.96
742.00	1.90	0.40	16.24	9.60	18.03
744.00	1.90	0.40	16.12	9.67	17.98
746.00	1.90	0.40	16.01	9.73	17.94
748.00	1.90	0.40	15.90	9.79	17.91
750.00	1.89	0.40	15.92	9.79	17.93
752.00	1.89	0.40	15.91	9.80	17.94
754.00	1.89	0.40	15.80	9.86	17.91
756.00	1.89	0.40	15.57	9.98	17.81
758.00	1.89	0.40	15.31	10.12	17.69
760.00	1.88	0.39	15.20	10.18	17.66
762.00	1.88	0.39	15.19	10.19	17.67
764.00	1.88	0.39	15.19	10.20	17.68
766.00	1.88	0.39	15.04	10.28	17.62
768.00	1.88	0.39	14.97	10.32	17.61
770.00	1.87	0.39	14.99	10.32	17.63
772.00	1.87	0.39	15.10	10.27	17.70
774.00	1.87	0.39	15.11	10.27	17.72
776.00	1.87	0.39	15.04	10.31	17.71
778.00	1.87	0.39	14.94	10.37	17.67
780.00	1.86	0.38	14.89	10.40	17.66
782.00	1.86	0.38	14.92	10.39	17.69
784.00	1.86	0.38	15.00	10.36	17.75
786.00	1.86	0.38	14.97	10.38	17.75
788.00	1.86	0.38	14.84	10.45	17.70
790.00	1.85	0.38	14.77	10.49	17.68
792.00	1.85	0.38	14.81	10.48	17.71
794.00	1.85	0.38	14.88	10.45	17.77
796.00	1.85	0.38	14.81	10.49	17.75
798.00	1.85	0.38	14.68	10.56	17.70
800.00	1.84	0.38	14.56	10.63	17.65
802.00	1.84	0.37	14.53	10.65	17.65
804.00	1.84	0.37	14.52	10.66	17.67
806.00	1.84	0.37	14.48	10.69	17.66
808.00	1.84	0.37	14.37	10.75	17.62
810.00	1.83	0.37	14.26	10.81	17.58
812.00	1.83	0.37	14.19	10.85	17.56

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LHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBic	dB/m
814.00	1.83	0.37	14.21	10.85	17.58
816.00	1.83	0.37	14.20	10.86	17.59
818.00	1.83	0.37	14.17	10.88	17.60
820.00	1.83	0.37	14.08	10.93	17.57
822.00	1.82	0.36	14.06	10.95	17.57
824.00	1.82	0.36	14.05	10.96	17.58
826.00	1.82	0.36	14.04	10.97	17.59
828.00	1.82	0.36	13.97	11.01	17.57
830.00	1.82	0.36	13.89	11.06	17.54
832.00	1.81	0.36	13.80	11.11	17.51
834.00	1.81	0.36	13.75	11.14	17.50
836.00	1.81	0.36	13.76	11.14	17.52
838.00	1.81	0.36	13.73	11.16	17.52
840.00	1.81	0.36	13.71	11.18	17.53
842.00	1.81	0.36	13.64	11.22	17.51
844.00	1.80	0.36	13.63	11.23	17.52
846.00	1.80	0.35	13.60	11.25	17.52
848.00	1.80	0.35	13.58	11.27	17.52
850.00	1.80	0.35	13.47	11.33	17.48
852.00	1.80	0.35	13.40	11.37	17.46
854.00	1.80	0.35	13.33	11.41	17.44
856.00	1.79	0.35	13.35	11.41	17.46
858.00	1.79	0.35	13.30	11.44	17.45
860.00	1.79	0.35	13.23	11.48	17.43
862.00	1.79	0.35	13.14	11.53	17.40
864.00	1.79	0.35	13.07	11.57	17.38
866.00	1.79	0.35	13.07	11.58	17.39
868.00	1.78	0.35	13.04	11.60	17.39
870.00	1.78	0.34	13.01	11.62	17.39
872.00	1.78	0.34	12.92	11.67	17.36
874.00	1.78	0.34	12.89	11.69	17.36
876.00	1.78	0.34	12.85	11.72	17.35
878.00	1.78	0.34	12.88	11.71	17.38
880.00	1.77	0.34	12.83	11.74	17.37
882.00	1.77	0.34	12.80	11.76	17.37
884.00	1.77	0.34	12.71	11.81	17.34
886.00	1.77	0.34	12.73	11.81	17.36
888.00	1.77	0.34	12.70	11.83	17.36
890.00	1.77	0.34	12.69	11.84	17.37
892.00	1.76	0.34	12.66	11.86	17.37
894.00	1.76	0.34	12.61	11.89	17.36
896.00	1.76	0.33	12.59	11.91	17.36
898.00	1.76	0.33	12.54	11.94	17.35
900.00	1.76	0.33	12.47	11.98	17.32
902.00	1.76	0.33	12.38	12.03	17.29
904.00	1.76	0.33	12.29	12.08	17.26
906.00	1.75	0.33	12.20	12.13	17.23
908.00	1.75	0.33	12.18	12.15	17.23
910.00	1.75	0.33	12.09	12.20	17.20
912.00	1.75	0.33	11.98	12.26	17.16
914.00	1.75	0.33	11.87	12.32	17.12
916.00	1.75	0.33	11.82	12.35	17.11
918.00	1.74	0.33	11.77	12.38	17.10
920.00	1.74	0.33	11.75	12.40	17.10

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MHz	m	m	dB	dBic	dB/m
922.00	1.74	0.33	11.70	12.43	17.08
924.00	1.74	0.32	11.67	12.45	17.08
926.00	1.74	0.32	11.64	12.47	17.08
928.00	1.74	0.32	11.65	12.47	17.10
930.00	1.74	0.32	11.64	12.48	17.11
932.00	1.73	0.32	11.64	12.49	17.12
934.00	1.73	0.32	11.63	12.50	17.13
936.00	1.73	0.32	11.58	12.53	17.12
938.00	1.73	0.32	11.55	12.55	17.11
940.00	1.73	0.32	11.48	12.59	17.09
942.00	1.73	0.32	11.43	12.62	17.08
944.00	1.73	0.32	11.34	12.67	17.05
946.00	1.73	0.32	11.34	12.68	17.06
948.00	1.72	0.32	11.29	12.71	17.05
950.00	1.72	0.32	11.30	12.71	17.06
952.00	1.72	0.32	11.21	12.76	17.03
954.00	1.72	0.31	11.16	12.79	17.02
956.00	1.72	0.31	11.09	12.83	17.00
958.00	1.72	0.31	11.10	12.83	17.02
960.00	1.72	0.31	11.08	12.85	17.02
962.00	1.71	0.31	11.07	12.86	17.02
964.00	1.71	0.31	11.06	12.87	17.03
966.00	1.71	0.31	11.09	12.86	17.06
968.00	1.71	0.31	11.10	12.86	17.08
970.00	1.71	0.31	11.09	12.87	17.09
972.00	1.71	0.31	11.06	12.89	17.08
974.00	1.71	0.31	11.01	12.92	17.07
976.00	1.71	0.31	11.05	12.91	17.10
978.00	1.70	0.31	11.08	12.90	17.13
980.00	1.70	0.31	11.13	12.88	17.16
982.00	1.70	0.31	11.08	12.91	17.15
984.00	1.70	0.30	11.07	12.92	17.16
986.00	1.70	0.30	11.04	12.94	17.16
988.00	1.70	0.30	11.07	12.93	17.19
990.00	1.70	0.30	11.04	12.95	17.18
992.00	1.69	0.30	11.10	12.93	17.22
994.00	1.69	0.30	11.19	12.89	17.28
996.00	1.69	0.30	11.30	12.84	17.35
998.00	1.69	0.30	11.33	12.83	17.37
1000.00	1.69	0.30	11.28	12.86	17.36
1002.00	1.69	0.30	11.17	12.92	17.32
1004.00	1.69	0.30	11.08	12.97	17.28
1006.00	1.69	0.30	11.07	12.98	17.29
1008.00	1.69	0.30	11.08	12.98	17.31
1010.00	1.68	0.30	11.13	12.96	17.35
1012.00	1.68	0.30	11.13	12.97	17.35
1014.00	1.68	0.30	11.16	12.96	17.38
1016.00	1.68	0.30	11.11	12.99	17.37
1018.00	1.68	0.29	11.08	13.01	17.36
1020.00	1.68	0.29	10.99	13.06	17.33
1022.00	1.68	0.29	11.00	13.06	17.35
1024.00	1.68	0.29	10.99	13.07	17.36
1026.00	1.67	0.29	10.98	13.08	17.36
1028.00	1.67	0.29	10.97	13.09	17.37

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LHCP Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Ant.-Factor
MHz	m	m	dB	dBic	dB/m
1030.00	1.67	0.29	11.00	13.08	17.40
1032.00	1.67	0.29	11.03	13.07	17.42
1034.00	1.67	0.29	11.03	13.08	17.43
1036.00	1.67	0.29	11.04	13.08	17.45
1038.00	1.67	0.29	11.05	13.08	17.46
1040.00	1.67	0.29	11.10	13.06	17.50
1042.00	1.67	0.29	11.15	13.04	17.54
1044.00	1.66	0.29	11.26	12.99	17.60
1046.00	1.66	0.29	11.35	12.95	17.66
1048.00	1.66	0.29	11.44	12.91	17.72
1050.00	1.66	0.29	11.53	12.87	17.77
1052.00	1.66	0.29	11.66	12.81	17.85
1054.00	1.66	0.28	11.77	12.76	17.92
1056.00	1.66	0.28	11.86	12.72	17.97
1058.00	1.66	0.28	12.01	12.65	18.06
1060.00	1.66	0.28	12.28	12.52	18.21
1062.00	1.65	0.28	12.62	12.36	18.38
1064.00	1.65	0.28	12.91	12.22	18.54
1066.00	1.65	0.28	13.14	12.11	18.67
1068.00	1.65	0.28	13.45	11.96	18.83
1070.00	1.65	0.28	13.86	11.76	19.05
1072.00	1.65	0.28	14.17	11.61	19.21
1074.00	1.65	0.28	14.38	11.51	19.33
1076.00	1.65	0.28	14.57	11.42	19.44
1078.00	1.65	0.28	14.94	11.24	19.63
1080.00	1.64	0.28	15.35	11.04	19.85
1082.00	1.64	0.28	15.74	10.85	20.05
1084.00	1.64	0.28	16.03	10.71	20.21
1086.00	1.64	0.28	16.22	10.62	20.32
1088.00	1.64	0.28	16.41	10.53	20.42
1090.00	1.64	0.28	16.78	10.35	20.62
1092.00	1.64	0.27	17.19	10.15	20.83
1094.00	1.64	0.27	17.50	10.00	21.00
1096.00	1.64	0.27	17.63	9.94	21.08
1098.00	1.64	0.27	17.80	9.86	21.17
1100.00	1.63	0.27	18.02	9.76	21.29

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Helix Antenne HLX 0810-LHCP

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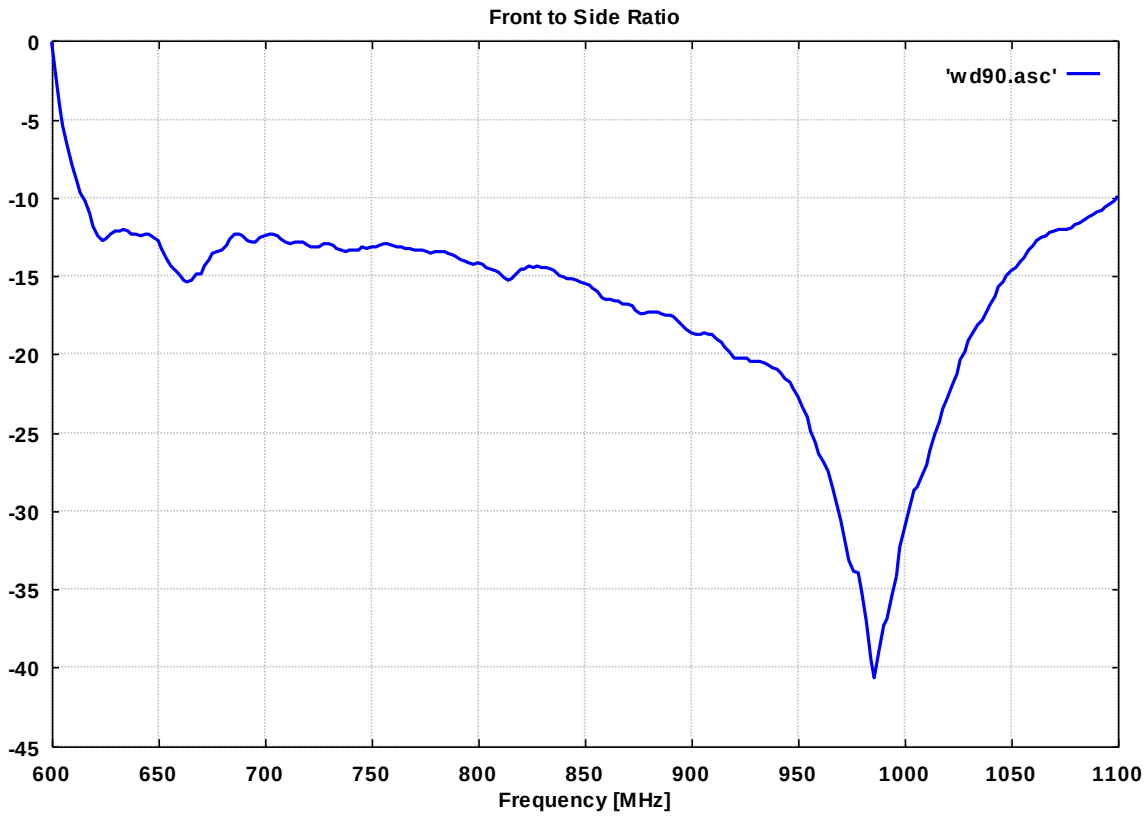

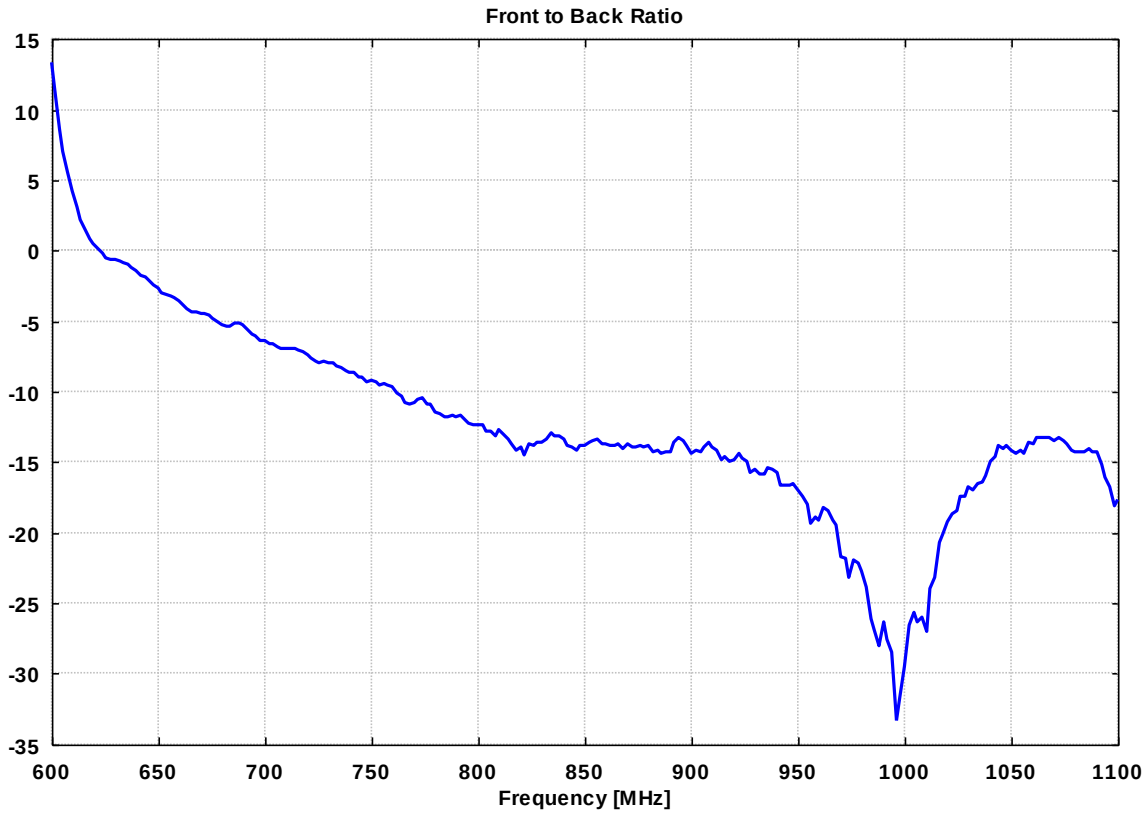

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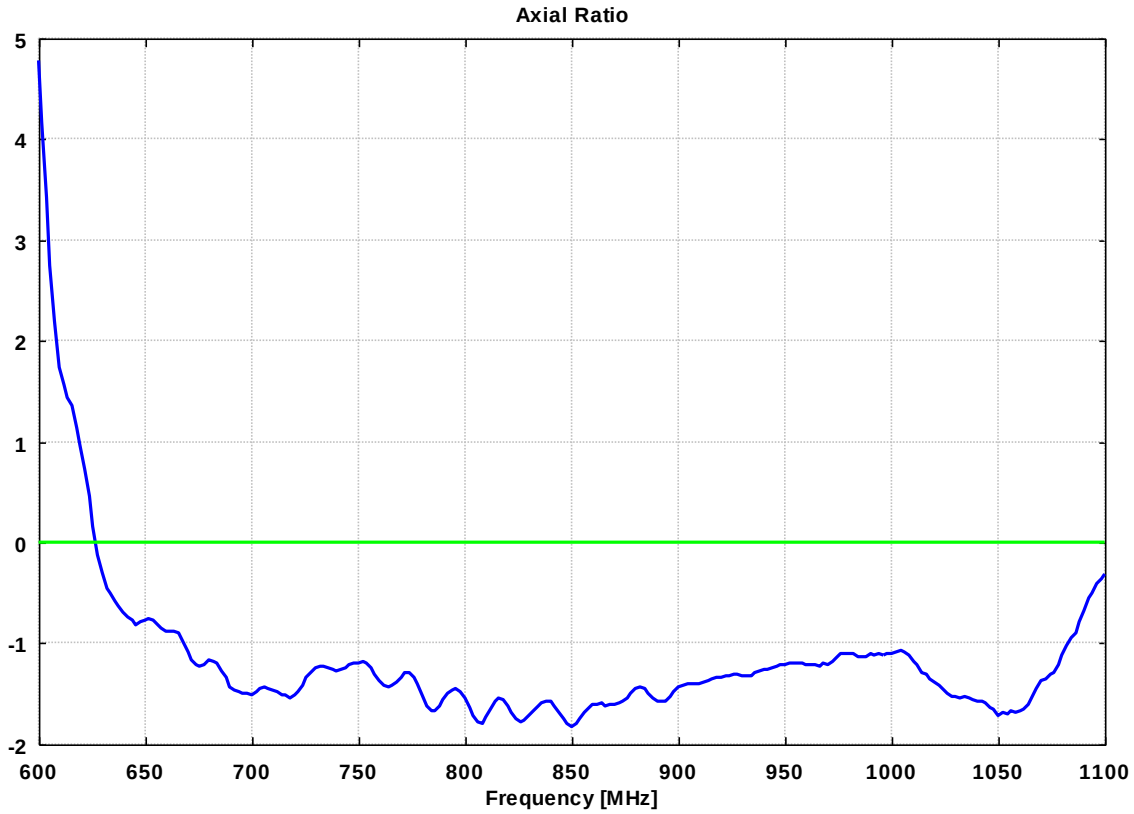
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