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One CL-713 Log-periodic Antenna

Channel 7

Gain: 9.0 dBd (x 7.74)

Oriented at 340 degrees

Horizontal Polarization

Vertical plane Pattern

KTNL



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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.020	-33.98	-24.98	0.00	-45	0.455	-6.84	2.16	1.64
-89	0.021	-33.56	-24.56	0.00	-44	0.473	-6.50	2.50	1.78
-88	0.022	-33.15	-24.15	0.00	-43	0.491	-6.18	2.82	1.91
-87	0.023	-32.77	-23.77	0.00	-42	0.509	-5.87	3.13	2.06
-86	0.024	-32.40	-23.40	0.00	-41	0.527	-5.56	3.44	2.21
-85	0.025	-32.04	-23.04	0.00	-40	0.545	-5.27	3.73	2.36
-84	0.026	-31.70	-22.70	0.01	-39	0.564	-4.97	4.03	2.53
-83	0.027	-31.37	-22.37	0.01	-38	0.583	-4.69	4.31	2.70
-82	0.028	-31.06	-22.06	0.01	-37	0.602	-4.41	4.59	2.88
-81	0.029	-30.75	-21.75	0.01	-36	0.621	-4.14	4.86	3.06
-80	0.030	-30.46	-21.46	0.01	-35	0.640	-3.88	5.12	3.25
-79	0.031	-30.17	-21.17	0.01	-34	0.659	-3.62	5.38	3.45
-78	0.032	-29.90	-20.90	0.01	-33	0.678	-3.38	5.62	3.65
-77	0.033	-29.63	-20.63	0.01	-32	0.697	-3.14	5.86	3.86
-76	0.034	-29.37	-20.37	0.01	-31	0.716	-2.90	6.10	4.07
-75	0.035	-29.12	-20.12	0.01	-30	0.735	-2.67	6.33	4.29
-74	0.038	-28.40	-19.40	0.01	-29	0.748	-2.52	6.48	4.45
-73	0.041	-27.74	-18.74	0.01	-28	0.762	-2.36	6.64	4.61
-72	0.044	-27.13	-18.13	0.02	-27	0.775	-2.21	6.79	4.78
-71	0.047	-26.56	-17.56	0.02	-26	0.789	-2.06	6.94	4.94
-70	0.050	-26.02	-17.02	0.02	-25	0.803	-1.91	7.09	5.12
-69	0.061	-24.29	-15.29	0.03	-24	0.816	-1.77	7.23	5.28
-68	0.072	-22.85	-13.85	0.04	-23	0.829	-1.63	7.37	5.45
-67	0.083	-21.62	-12.62	0.05	-22	0.841	-1.50	7.50	5.62
-66	0.094	-20.54	-11.54	0.07	-21	0.854	-1.37	7.63	5.80
-65	0.105	-19.58	-10.58	0.09	-20	0.868	-1.23	7.77	5.98
-64	0.123	-18.20	-9.20	0.12	-19	0.878	-1.13	7.87	6.12
-63	0.141	-17.02	-8.02	0.16	-18	0.888	-1.03	7.97	6.27
-62	0.159	-15.97	-6.97	0.20	-17	0.899	-0.92	8.08	6.42
-61	0.177	-15.04	-6.04	0.25	-16	0.910	-0.82	8.18	6.57
-60	0.195	-14.20	-5.20	0.30	-15	0.920	-0.72	8.28	6.72
-59	0.212	-13.47	-4.47	0.36	-14	0.928	-0.65	8.35	6.84
-58	0.229	-12.80	-3.80	0.42	-13	0.936	-0.57	8.43	6.96
-57	0.246	-12.18	-3.18	0.48	-12	0.944	-0.50	8.50	7.08
-56	0.263	-11.60	-2.60	0.55	-11	0.952	-0.43	8.57	7.20
-55	0.280	-11.06	-2.06	0.62	-10	0.960	-0.35	8.65	7.32
-54	0.300	-10.46	-1.46	0.71	-9	0.964	-0.31	8.69	7.39
-53	0.320	-9.90	-0.90	0.81	-8	0.969	-0.27	8.73	7.46
-52	0.340	-9.37	-0.37	0.92	-7	0.974	-0.23	8.77	7.53
-51	0.360	-8.87	0.13	1.03	-6	0.978	-0.19	8.81	7.60
-50	0.380	-8.40	0.60	1.15	-5	0.983	-0.15	8.85	7.67
-49	0.395	-8.07	0.93	1.24	-4	0.986	-0.12	8.88	7.72
-48	0.410	-7.74	1.26	1.34	-3	0.990	-0.09	8.91	7.78
-47	0.425	-7.43	1.57	1.43	-2	0.993	-0.06	8.94	7.83
-46	0.440	-7.13	1.87	1.54	-1	0.997	-0.03	8.97	7.89
					0	1.000	0.00	9.00	7.94



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0	1.000	0.00	9.00	7.94	45	0.455	-6.84	2.16	1.64
1	0.997	-0.03	8.97	7.89	46	0.440	-7.13	1.87	1.54
2	0.993	-0.06	8.94	7.83	47	0.425	-7.43	1.57	1.43
3	0.990	-0.09	8.91	7.78	48	0.410	-7.74	1.26	1.34
4	0.986	-0.12	8.88	7.72	49	0.395	-8.07	0.93	1.24
5	0.983	-0.15	8.85	7.67	50	0.380	-8.40	0.60	1.15
6	0.978	-0.19	8.81	7.60	51	0.360	-8.87	0.13	1.03
7	0.974	-0.23	8.77	7.53	52	0.340	-9.37	-0.37	0.92
8	0.969	-0.27	8.73	7.46	53	0.320	-9.90	-0.90	0.81
9	0.964	-0.31	8.69	7.39	54	0.300	-10.46	-1.46	0.71
10	0.960	-0.35	8.65	7.32	55	0.280	-11.06	-2.06	0.62
11	0.952	-0.43	8.57	7.20	56	0.263	-11.60	-2.60	0.55
12	0.944	-0.50	8.50	7.08	57	0.246	-12.18	-3.18	0.48
13	0.936	-0.57	8.43	6.96	58	0.229	-12.80	-3.80	0.42
14	0.928	-0.65	8.35	6.84	59	0.212	-13.47	-4.47	0.36
15	0.920	-0.72	8.28	6.72	60	0.195	-14.20	-5.20	0.30
16	0.910	-0.82	8.18	6.57	61	0.177	-15.04	-6.04	0.25
17	0.899	-0.92	8.08	6.42	62	0.159	-15.97	-6.97	0.20
18	0.888	-1.03	7.97	6.27	63	0.141	-17.02	-8.02	0.16
19	0.878	-1.13	7.87	6.12	64	0.123	-18.20	-9.20	0.12
20	0.868	-1.23	7.77	5.98	65	0.105	-19.58	-10.58	0.09
21	0.854	-1.37	7.63	5.80	66	0.094	-20.54	-11.54	0.07
22	0.841	-1.50	7.50	5.62	67	0.083	-21.62	-12.62	0.05
23	0.829	-1.63	7.37	5.45	68	0.072	-22.85	-13.85	0.04
24	0.816	-1.77	7.23	5.28	69	0.061	-24.29	-15.29	0.03
25	0.803	-1.91	7.09	5.12	70	0.050	-26.02	-17.02	0.02
26	0.789	-2.06	6.94	4.94	71	0.047	-26.56	-17.56	0.02
27	0.775	-2.21	6.79	4.78	72	0.044	-27.13	-18.13	0.02
28	0.762	-2.36	6.64	4.61	73	0.041	-27.74	-18.74	0.01
29	0.748	-2.52	6.48	4.45	74	0.038	-28.40	-19.40	0.01
30	0.735	-2.67	6.33	4.29	75	0.035	-29.12	-20.12	0.01
31	0.716	-2.90	6.10	4.07	76	0.034	-29.37	-20.37	0.01
32	0.697	-3.14	5.86	3.86	77	0.033	-29.63	-20.63	0.01
33	0.678	-3.38	5.62	3.65	78	0.032	-29.90	-20.90	0.01
34	0.659	-3.62	5.38	3.45	79	0.031	-30.17	-21.17	0.01
35	0.640	-3.88	5.12	3.25	80	0.030	-30.46	-21.46	0.01
36	0.621	-4.14	4.86	3.06	81	0.029	-30.75	-21.75	0.01
37	0.602	-4.41	4.59	2.88	82	0.028	-31.06	-22.06	0.01
38	0.583	-4.69	4.31	2.70	83	0.027	-31.37	-22.37	0.01
39	0.564	-4.97	4.03	2.53	84	0.026	-31.70	-22.70	0.01
40	0.545	-5.27	3.73	2.36	85	0.025	-32.04	-23.04	0.00
41	0.527	-5.56	3.44	2.21	86	0.024	-32.40	-23.40	0.00
42	0.509	-5.87	3.13	2.06	87	0.023	-32.77	-23.77	0.00
43	0.491	-6.18	2.82	1.91	88	0.022	-33.15	-24.15	0.00
44	0.473	-6.50	2.50	1.78	89	0.021	-33.56	-24.56	0.00
					90	0.020	-33.98	-24.98	0.00