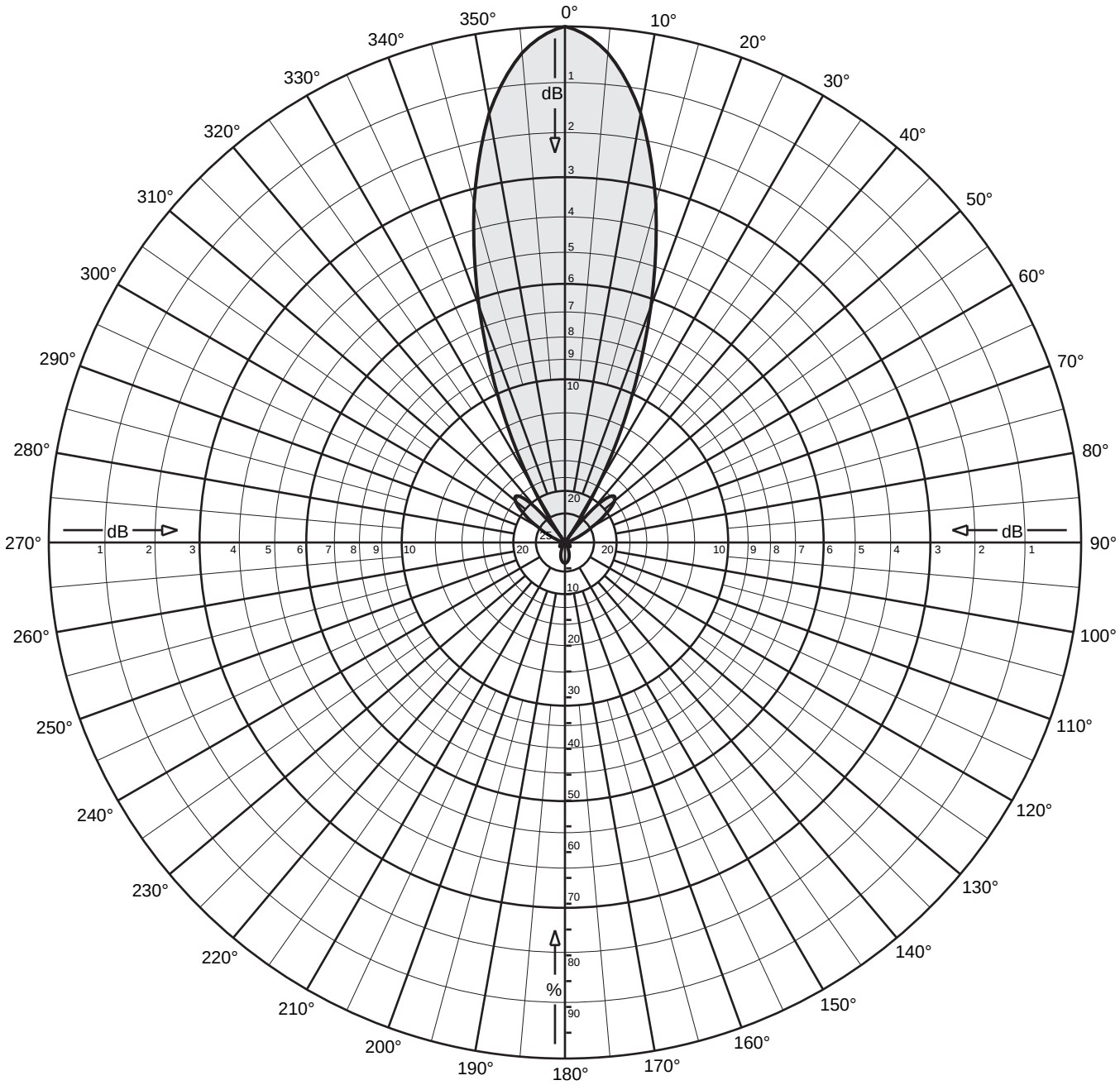

Two CL-FM Log-periodics
Oriented at 0 degrees
Maximum array gain: 9.5 dBd
Horizontal polarization
Horizontal stack
Horizontal plane pattern

Horizontal spacing: 0.87 wavelength

KATHREIN
SCALA DIVISION
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SCALA DIVISION

Two CL-FM Log-periodics
Oriented at 0 degrees
Maximum array gain: 9.5 dBd
Horizontal polarization

Horizontal stack
Horizontal plane pattern

Horizontal spacing: 0.87 wavelength

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	9.50	8.91	45	0.127	-17.89	-8.39	0.14
1	0.995	-0.04	9.46	8.82	46	0.130	-17.71	-8.21	0.15
2	0.987	-0.11	9.39	8.69	47	0.131	-17.64	-8.14	0.15
3	0.978	-0.19	9.31	8.52	48	0.131	-17.68	-8.18	0.15
4	0.966	-0.30	9.20	8.32	49	0.128	-17.82	-8.32	0.15
5	0.952	-0.42	9.08	8.08	50	0.125	-18.07	-8.57	0.14
6	0.935	-0.59	8.91	7.78	51	0.121	-18.32	-8.82	0.13
7	0.915	-0.77	8.73	7.46	52	0.117	-18.66	-9.16	0.12
8	0.893	-0.98	8.52	7.11	53	0.111	-19.10	-9.60	0.11
9	0.870	-1.21	8.29	6.75	54	0.104	-19.66	-10.16	0.10
10	0.845	-1.46	8.04	6.36	55	0.096	-20.35	-10.85	0.08
11	0.814	-1.79	7.71	5.91	56	0.090	-20.89	-11.39	0.07
12	0.782	-2.13	7.37	5.45	57	0.084	-21.53	-12.03	0.06
13	0.749	-2.51	6.99	5.00	58	0.077	-22.30	-12.80	0.05
14	0.715	-2.91	6.59	4.56	59	0.069	-23.22	-13.72	0.04
15	0.680	-3.35	6.15	4.12	60	0.061	-24.33	-14.83	0.03
16	0.642	-3.85	5.65	3.67	61	0.056	-24.99	-15.49	0.03
17	0.603	-4.39	5.11	3.24	62	0.051	-25.77	-16.27	0.02
18	0.564	-4.97	4.53	2.84	63	0.046	-26.67	-17.17	0.02
19	0.526	-5.59	3.91	2.46	64	0.041	-27.74	-18.24	0.02
20	0.487	-6.25	3.25	2.11	65	0.035	-29.01	-19.51	0.01
21	0.448	-6.98	2.52	1.79	66	0.032	-29.91	-20.41	0.01
22	0.409	-7.77	1.73	1.49	67	0.028	-30.94	-21.44	0.01
23	0.371	-8.62	0.88	1.22	68	0.025	-32.17	-22.67	0.01
24	0.333	-9.54	-0.04	0.99	69	0.021	-33.65	-24.15	0.00
25	0.297	-10.55	-1.05	0.79	70	0.017	-35.49	-25.99	0.00
26	0.261	-11.66	-2.16	0.61	71	0.015	-36.32	-26.82	0.00
27	0.227	-12.90	-3.40	0.46	72	0.014	-37.26	-27.76	0.00
28	0.193	-14.28	-4.78	0.33	73	0.012	-38.35	-28.85	0.00
29	0.161	-15.85	-6.35	0.23	74	0.010	-39.62	-30.12	0.00
30	0.131	-17.67	-8.17	0.15	75	0.009	-41.14	-31.64	0.00
31	0.102	-19.82	-10.32	0.09	76	0.009	-41.09	-31.59	0.00
32	0.075	-22.53	-13.03	0.05	77	0.009	-41.03	-31.53	0.00
33	0.049	-26.21	-16.71	0.02	78	0.009	-40.99	-31.49	0.00
34	0.025	-32.19	-22.69	0.01	79	0.009	-40.95	-31.45	0.00
35	0.002	-55.02	-45.52	0.00	80	0.009	-40.91	-31.41	0.00
36	0.019	-34.24	-24.74	0.00	81	0.009	-40.88	-31.38	0.00
37	0.039	-28.21	-18.71	0.01	82	0.009	-40.85	-31.35	0.00
38	0.057	-24.94	-15.44	0.03	83	0.009	-40.82	-31.32	0.00
39	0.073	-22.78	-13.28	0.05	84	0.009	-40.80	-31.30	0.00
40	0.087	-21.22	-11.72	0.07	85	0.009	-40.79	-31.29	0.00
41	0.099	-20.11	-10.61	0.09	86	0.009	-40.77	-31.27	0.00
42	0.109	-19.28	-9.78	0.11	87	0.009	-40.76	-31.26	0.00
43	0.117	-18.65	-9.15	0.12	88	0.009	-40.75	-31.25	0.00
44	0.123	-18.20	-8.70	0.13	89	0.009	-40.75	-31.25	0.00

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Two CL-FM Log-periodics
Oriented at 0 degrees
Maximum array gain: 9.5 dBd
Horizontal polarization

Horizontal stack
Horizontal plane pattern

Horizontal spacing: 0.87 wavelength

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
90	0.009	-40.75	-31.25	0.00	135	0.010	-39.77	-30.27	0.00
91	0.009	-40.75	-31.25	0.00	136	0.010	-40.33	-30.83	0.00
92	0.009	-40.75	-31.25	0.00	137	0.009	-41.01	-31.51	0.00
93	0.009	-40.76	-31.26	0.00	138	0.008	-41.84	-32.34	0.00
94	0.009	-40.77	-31.27	0.00	139	0.007	-42.87	-33.37	0.00
95	0.009	-40.79	-31.29	0.00	140	0.006	-44.16	-34.66	0.00
96	0.009	-40.80	-31.30	0.00	141	0.005	-45.93	-36.43	0.00
97	0.009	-40.82	-31.32	0.00	142	0.004	-48.29	-38.79	0.00
98	0.009	-40.85	-31.35	0.00	143	0.003	-51.74	-42.24	0.00
99	0.009	-40.88	-31.38	0.00	144	0.001	-57.95	-48.45	0.00
100	0.009	-40.91	-31.41	0.00	145	0.000	-78.91	-69.41	0.00
101	0.009	-40.95	-31.45	0.00	146	0.002	-56.20	-46.70	0.00
102	0.009	-40.99	-31.49	0.00	147	0.003	-50.34	-40.84	0.00
103	0.009	-41.03	-31.53	0.00	148	0.005	-46.78	-37.28	0.00
104	0.009	-41.09	-31.59	0.00	149	0.006	-44.19	-34.69	0.00
105	0.009	-41.14	-31.64	0.00	150	0.008	-42.15	-32.65	0.00
106	0.009	-41.20	-31.70	0.00	151	0.009	-40.52	-31.02	0.00
107	0.009	-41.27	-31.77	0.00	152	0.011	-39.14	-29.64	0.00
108	0.009	-41.34	-31.84	0.00	153	0.013	-37.94	-28.44	0.00
109	0.008	-41.43	-31.93	0.00	154	0.014	-36.89	-27.39	0.00
110	0.008	-41.51	-32.01	0.00	155	0.016	-35.94	-26.44	0.00
111	0.009	-41.18	-31.68	0.00	156	0.018	-35.11	-25.61	0.00
112	0.009	-40.88	-31.38	0.00	157	0.019	-34.36	-24.86	0.00
113	0.009	-40.61	-31.11	0.00	158	0.021	-33.68	-24.18	0.00
114	0.010	-40.36	-30.86	0.00	159	0.022	-33.06	-23.56	0.00
115	0.010	-40.14	-30.64	0.00	160	0.024	-32.48	-22.98	0.01
116	0.010	-39.94	-30.44	0.00	161	0.025	-31.98	-22.48	0.01
117	0.010	-39.77	-30.27	0.00	162	0.027	-31.51	-22.01	0.01
118	0.010	-39.62	-30.12	0.00	163	0.028	-31.09	-21.59	0.01
119	0.011	-39.50	-30.00	0.00	164	0.029	-30.70	-21.20	0.01
120	0.011	-39.40	-29.90	0.00	165	0.030	-30.34	-20.84	0.01
121	0.011	-39.05	-29.55	0.00	166	0.032	-30.01	-20.51	0.01
122	0.012	-38.75	-29.25	0.00	167	0.033	-29.72	-20.22	0.01
123	0.012	-38.50	-29.00	0.00	168	0.034	-29.44	-19.94	0.01
124	0.012	-38.30	-28.80	0.00	169	0.035	-29.20	-19.70	0.01
125	0.012	-38.14	-28.64	0.00	170	0.036	-28.98	-19.48	0.01
126	0.013	-38.03	-28.53	0.00	171	0.036	-28.78	-19.28	0.01
127	0.013	-37.97	-28.47	0.00	172	0.037	-28.60	-19.10	0.01
128	0.013	-37.95	-28.45	0.00	173	0.038	-28.45	-18.95	0.01
129	0.013	-37.99	-28.49	0.00	174	0.038	-28.32	-18.82	0.01
130	0.012	-38.07	-28.57	0.00	175	0.039	-28.21	-18.71	0.01
131	0.012	-38.28	-28.78	0.00	176	0.039	-28.12	-18.62	0.01
132	0.012	-38.55	-29.05	0.00	177	0.040	-28.05	-18.55	0.01
133	0.011	-38.88	-29.38	0.00	178	0.040	-28.00	-18.50	0.01
134	0.011	-39.29	-29.79	0.00	179	0.040	-27.97	-18.47	0.01

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Horizontal stack
Horizontal plane pattern

Horizontal spacing: 0.87 wavelength

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
180	0.040	-27.96	-18.46	0.01	225	0.010	-39.77	-30.27	0.00
181	0.040	-27.97	-18.47	0.01	226	0.011	-39.29	-29.79	0.00
182	0.040	-28.00	-18.50	0.01	227	0.011	-38.88	-29.38	0.00
183	0.040	-28.05	-18.55	0.01	228	0.012	-38.55	-29.05	0.00
184	0.039	-28.12	-18.62	0.01	229	0.012	-38.28	-28.78	0.00
185	0.039	-28.21	-18.71	0.01	230	0.012	-38.07	-28.57	0.00
186	0.038	-28.32	-18.82	0.01	231	0.013	-37.99	-28.49	0.00
187	0.038	-28.45	-18.95	0.01	232	0.013	-37.95	-28.45	0.00
188	0.037	-28.60	-19.10	0.01	233	0.013	-37.97	-28.47	0.00
189	0.036	-28.78	-19.28	0.01	234	0.013	-38.03	-28.53	0.00
190	0.036	-28.98	-19.48	0.01	235	0.012	-38.14	-28.64	0.00
191	0.035	-29.20	-19.70	0.01	236	0.012	-38.30	-28.80	0.00
192	0.034	-29.44	-19.94	0.01	237	0.012	-38.50	-29.00	0.00
193	0.033	-29.72	-20.22	0.01	238	0.012	-38.75	-29.25	0.00
194	0.032	-30.01	-20.51	0.01	239	0.011	-39.05	-29.55	0.00
195	0.030	-30.34	-20.84	0.01	240	0.011	-39.40	-29.90	0.00
196	0.029	-30.70	-21.20	0.01	241	0.011	-39.50	-30.00	0.00
197	0.028	-31.09	-21.59	0.01	242	0.010	-39.62	-30.12	0.00
198	0.027	-31.51	-22.01	0.01	243	0.010	-39.77	-30.27	0.00
199	0.025	-31.98	-22.48	0.01	244	0.010	-39.94	-30.44	0.00
200	0.024	-32.48	-22.98	0.01	245	0.010	-40.14	-30.64	0.00
201	0.022	-33.06	-23.56	0.00	246	0.010	-40.36	-30.86	0.00
202	0.021	-33.68	-24.18	0.00	247	0.009	-40.61	-31.11	0.00
203	0.019	-34.36	-24.86	0.00	248	0.009	-40.88	-31.38	0.00
204	0.018	-35.11	-25.61	0.00	249	0.009	-41.18	-31.68	0.00
205	0.016	-35.94	-26.44	0.00	250	0.008	-41.51	-32.01	0.00
206	0.014	-36.89	-27.39	0.00	251	0.008	-41.43	-31.93	0.00
207	0.013	-37.94	-28.44	0.00	252	0.009	-41.35	-31.85	0.00
208	0.011	-39.14	-29.64	0.00	253	0.009	-41.27	-31.77	0.00
209	0.009	-40.52	-31.02	0.00	254	0.009	-41.20	-31.70	0.00
210	0.008	-42.15	-32.65	0.00	255	0.009	-41.14	-31.64	0.00
211	0.006	-44.19	-34.69	0.00	256	0.009	-41.09	-31.59	0.00
212	0.005	-46.78	-37.28	0.00	257	0.009	-41.04	-31.54	0.00
213	0.003	-50.34	-40.84	0.00	258	0.009	-40.99	-31.49	0.00
214	0.002	-56.19	-46.69	0.00	259	0.009	-40.95	-31.45	0.00
215	0.000	-78.88	-69.38	0.00	260	0.009	-40.91	-31.41	0.00
216	0.001	-57.95	-48.45	0.00	261	0.009	-40.88	-31.38	0.00
217	0.003	-51.74	-42.24	0.00	262	0.009	-40.85	-31.35	0.00
218	0.004	-48.29	-38.79	0.00	263	0.009	-40.82	-31.32	0.00
219	0.005	-45.93	-36.43	0.00	264	0.009	-40.80	-31.30	0.00
220	0.006	-44.16	-34.66	0.00	265	0.009	-40.79	-31.29	0.00
221	0.007	-42.87	-33.37	0.00	266	0.009	-40.77	-31.27	0.00
222	0.008	-41.84	-32.34	0.00	267	0.009	-40.76	-31.26	0.00
223	0.009	-41.01	-31.51	0.00	268	0.009	-40.75	-31.25	0.00
224	0.010	-40.33	-30.83	0.00	269	0.009	-40.75	-31.25	0.00

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Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
270	0.009	-40.75	-31.25	0.00	315	0.127	-17.89	-8.39	0.14
271	0.009	-40.75	-31.25	0.00	316	0.123	-18.20	-8.70	0.13
272	0.009	-40.75	-31.25	0.00	317	0.117	-18.65	-9.15	0.12
273	0.009	-40.76	-31.26	0.00	318	0.109	-19.28	-9.78	0.11
274	0.009	-40.77	-31.27	0.00	319	0.099	-20.11	-10.61	0.09
275	0.009	-40.79	-31.29	0.00	320	0.087	-21.22	-11.72	0.07
276	0.009	-40.80	-31.30	0.00	321	0.073	-22.78	-13.28	0.05
277	0.009	-40.82	-31.32	0.00	322	0.057	-24.94	-15.44	0.03
278	0.009	-40.85	-31.35	0.00	323	0.039	-28.21	-18.71	0.01
279	0.009	-40.88	-31.38	0.00	324	0.019	-34.24	-24.74	0.00
280	0.009	-40.91	-31.41	0.00	325	0.002	-55.05	-45.55	0.00
281	0.009	-40.95	-31.45	0.00	326	0.025	-32.19	-22.69	0.01
282	0.009	-40.99	-31.49	0.00	327	0.049	-26.21	-16.71	0.02
283	0.009	-41.03	-31.53	0.00	328	0.075	-22.53	-13.03	0.05
284	0.009	-41.09	-31.59	0.00	329	0.102	-19.82	-10.32	0.09
285	0.009	-41.14	-31.64	0.00	330	0.131	-17.67	-8.17	0.15
286	0.010	-39.62	-30.12	0.00	331	0.161	-15.85	-6.35	0.23
287	0.012	-38.35	-28.85	0.00	332	0.193	-14.28	-4.78	0.33
288	0.014	-37.26	-27.76	0.00	333	0.226	-12.90	-3.40	0.46
289	0.015	-36.32	-26.82	0.00	334	0.261	-11.67	-2.17	0.61
290	0.017	-35.49	-25.99	0.00	335	0.297	-10.55	-1.05	0.79
291	0.021	-33.65	-24.15	0.00	336	0.333	-9.54	-0.04	0.99
292	0.025	-32.17	-22.67	0.01	337	0.371	-8.62	0.88	1.22
293	0.028	-30.94	-21.44	0.01	338	0.409	-7.77	1.73	1.49
294	0.032	-29.91	-20.41	0.01	339	0.448	-6.98	2.52	1.79
295	0.035	-29.01	-19.51	0.01	340	0.487	-6.25	3.25	2.11
296	0.041	-27.74	-18.24	0.02	341	0.526	-5.59	3.91	2.46
297	0.046	-26.67	-17.17	0.02	342	0.564	-4.97	4.53	2.84
298	0.051	-25.77	-16.27	0.02	343	0.603	-4.39	5.11	3.24
299	0.056	-24.99	-15.49	0.03	344	0.642	-3.85	5.65	3.67
300	0.061	-24.33	-14.83	0.03	345	0.680	-3.35	6.15	4.12
301	0.069	-23.22	-13.72	0.04	346	0.715	-2.91	6.59	4.56
302	0.077	-22.30	-12.80	0.05	347	0.749	-2.51	6.99	5.00
303	0.084	-21.53	-12.03	0.06	348	0.782	-2.13	7.37	5.45
304	0.090	-20.89	-11.39	0.07	349	0.814	-1.79	7.71	5.91
305	0.096	-20.35	-10.85	0.08	350	0.845	-1.46	8.04	6.36
306	0.104	-19.66	-10.16	0.10	351	0.870	-1.21	8.29	6.74
307	0.111	-19.10	-9.60	0.11	352	0.893	-0.98	8.52	7.11
308	0.117	-18.66	-9.16	0.12	353	0.915	-0.77	8.73	7.46
309	0.121	-18.32	-8.82	0.13	354	0.935	-0.59	8.91	7.78
310	0.125	-18.07	-8.57	0.14	355	0.952	-0.42	9.08	8.08
311	0.128	-17.82	-8.32	0.15	356	0.966	-0.30	9.20	8.32
312	0.131	-17.68	-8.18	0.15	357	0.978	-0.19	9.31	8.52
313	0.131	-17.64	-8.14	0.15	358	0.987	-0.11	9.39	8.69
314	0.130	-17.71	-8.21	0.15	359	0.995	-0.04	9.46	8.82