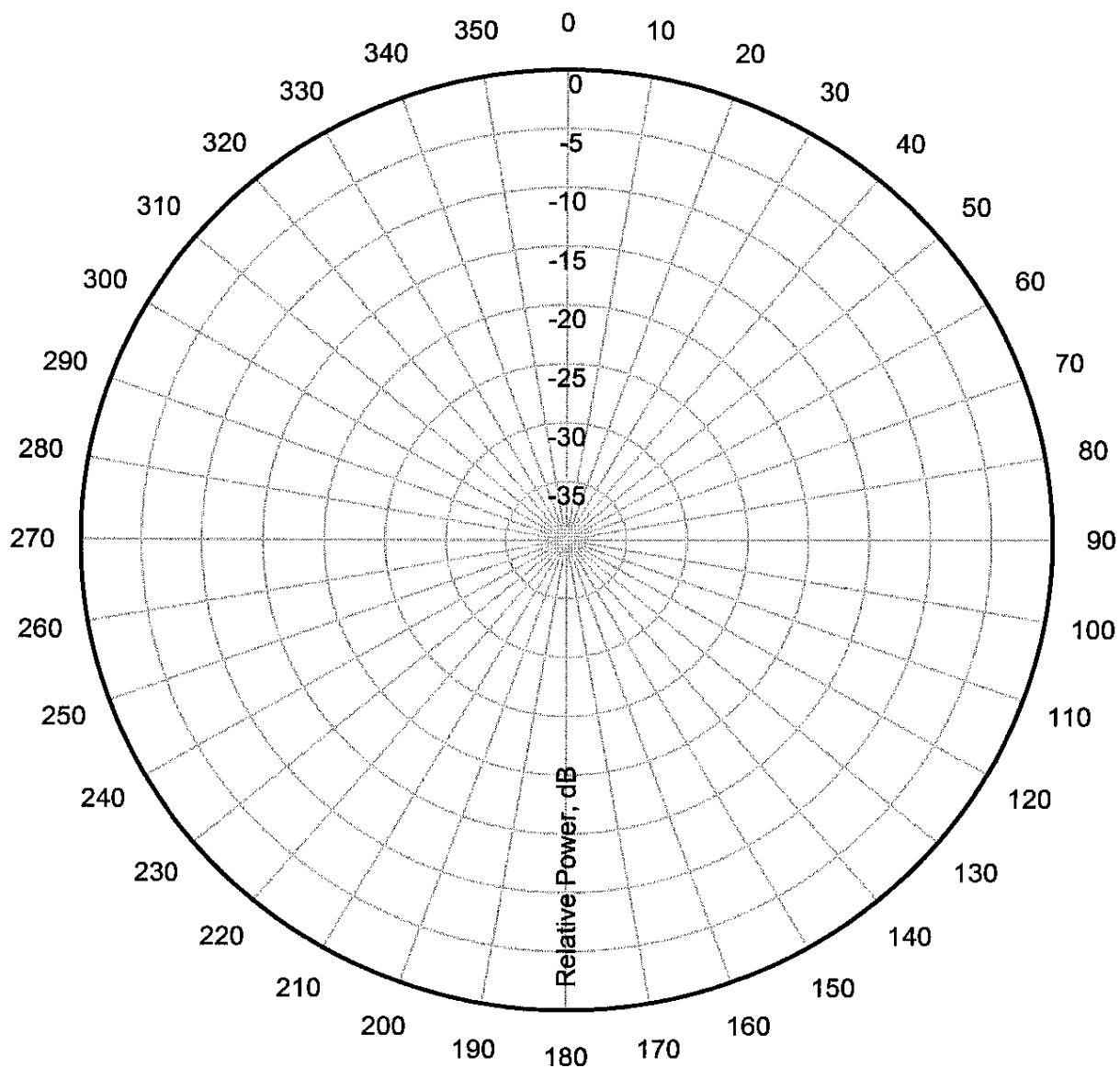


**AZIMUTH PATTERN****Type:****ALP-O****Directivity:****Numeric****1.00****dBd**  
**0.00****Peak(s) at:****Channel:****22****Location:****Main Transmitter****Polarization:****Horizontal**

Note: Pattern shape and directivity may vary with channel and mouting configuration.



Preliminary, subject to final design and review.

**TABULATED DATA FOR AZIMUTH PATTERN****Type: ALP-O****Polarization: Horizontal**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	1.000	0.00	184	1.000	0.00	276	1.000	0.00
2	1.000	0.00	94	1.000	0.00	186	1.000	0.00	278	1.000	0.00
4	1.000	0.00	96	1.000	0.00	188	1.000	0.00	280	1.000	0.00
6	1.000	0.00	98	1.000	0.00	190	1.000	0.00	282	1.000	0.00
8	1.000	0.00	100	1.000	0.00	192	1.000	0.00	284	1.000	0.00
10	1.000	0.00	102	1.000	0.00	194	1.000	0.00	286	1.000	0.00
12	1.000	0.00	104	1.000	0.00	196	1.000	0.00	288	1.000	0.00
14	1.000	0.00	106	1.000	0.00	198	1.000	0.00	290	1.000	0.00
16	1.000	0.00	108	1.000	0.00	200	1.000	0.00	292	1.000	0.00
18	1.000	0.00	110	1.000	0.00	202	1.000	0.00	294	1.000	0.00
20	1.000	0.00	112	1.000	0.00	204	1.000	0.00	296	1.000	0.00
22	1.000	0.00	114	1.000	0.00	206	1.000	0.00	298	1.000	0.00
24	1.000	0.00	116	1.000	0.00	208	1.000	0.00	300	1.000	0.00
26	1.000	0.00	118	1.000	0.00	210	1.000	0.00	302	1.000	0.00
28	1.000	0.00	120	1.000	0.00	212	1.000	0.00	304	1.000	0.00
30	1.000	0.00	122	1.000	0.00	214	1.000	0.00	306	1.000	0.00
32	1.000	0.00	124	1.000	0.00	216	1.000	0.00	308	1.000	0.00
34	1.000	0.00	126	1.000	0.00	218	1.000	0.00	310	1.000	0.00
36	1.000	0.00	128	1.000	0.00	220	1.000	0.00	312	1.000	0.00
38	1.000	0.00	130	1.000	0.00	222	1.000	0.00	314	1.000	0.00
40	1.000	0.00	132	1.000	0.00	224	1.000	0.00	316	1.000	0.00
42	1.000	0.00	134	1.000	0.00	226	1.000	0.00	318	1.000	0.00
44	1.000	0.00	136	1.000	0.00	228	1.000	0.00	320	1.000	0.00
46	1.000	0.00	138	1.000	0.00	230	1.000	0.00	322	1.000	0.00
48	1.000	0.00	140	1.000	0.00	232	1.000	0.00	324	1.000	0.00
50	1.000	0.00	142	1.000	0.00	234	1.000	0.00	326	1.000	0.00
52	1.000	0.00	144	1.000	0.00	236	1.000	0.00	328	1.000	0.00
54	1.000	0.00	146	1.000	0.00	238	1.000	0.00	330	1.000	0.00
56	1.000	0.00	148	1.000	0.00	240	1.000	0.00	332	1.000	0.00
58	1.000	0.00	150	1.000	0.00	242	1.000	0.00	334	1.000	0.00
60	1.000	0.00	152	1.000	0.00	244	1.000	0.00	336	1.000	0.00
62	1.000	0.00	154	1.000	0.00	246	1.000	0.00	338	1.000	0.00
64	1.000	0.00	156	1.000	0.00	248	1.000	0.00	340	1.000	0.00
66	1.000	0.00	158	1.000	0.00	250	1.000	0.00	342	1.000	0.00
68	1.000	0.00	160	1.000	0.00	252	1.000	0.00	344	1.000	0.00
70	1.000	0.00	162	1.000	0.00	254	1.000	0.00	346	1.000	0.00
72	1.000	0.00	164	1.000	0.00	256	1.000	0.00	348	1.000	0.00
74	1.000	0.00	166	1.000	0.00	258	1.000	0.00	350	1.000	0.00
76	1.000	0.00	168	1.000	0.00	260	1.000	0.00	352	1.000	0.00
78	1.000	0.00	170	1.000	0.00	262	1.000	0.00	354	1.000	0.00
80	1.000	0.00	172	1.000	0.00	264	1.000	0.00	356	1.000	0.00
82	1.000	0.00	174	1.000	0.00	266	1.000	0.00	358	1.000	0.00
84	1.000	0.00	176	1.000	0.00	268	1.000	0.00	360	1.000	0.00
86	1.000	0.00	178	1.000	0.00	270	1.000	0.00			
88	1.000	0.00	180	1.000	0.00	272	1.000	0.00			
90	1.000	0.00	182	1.000	0.00	274	1.000	0.00			

*Preliminary, subject to final design and review.*

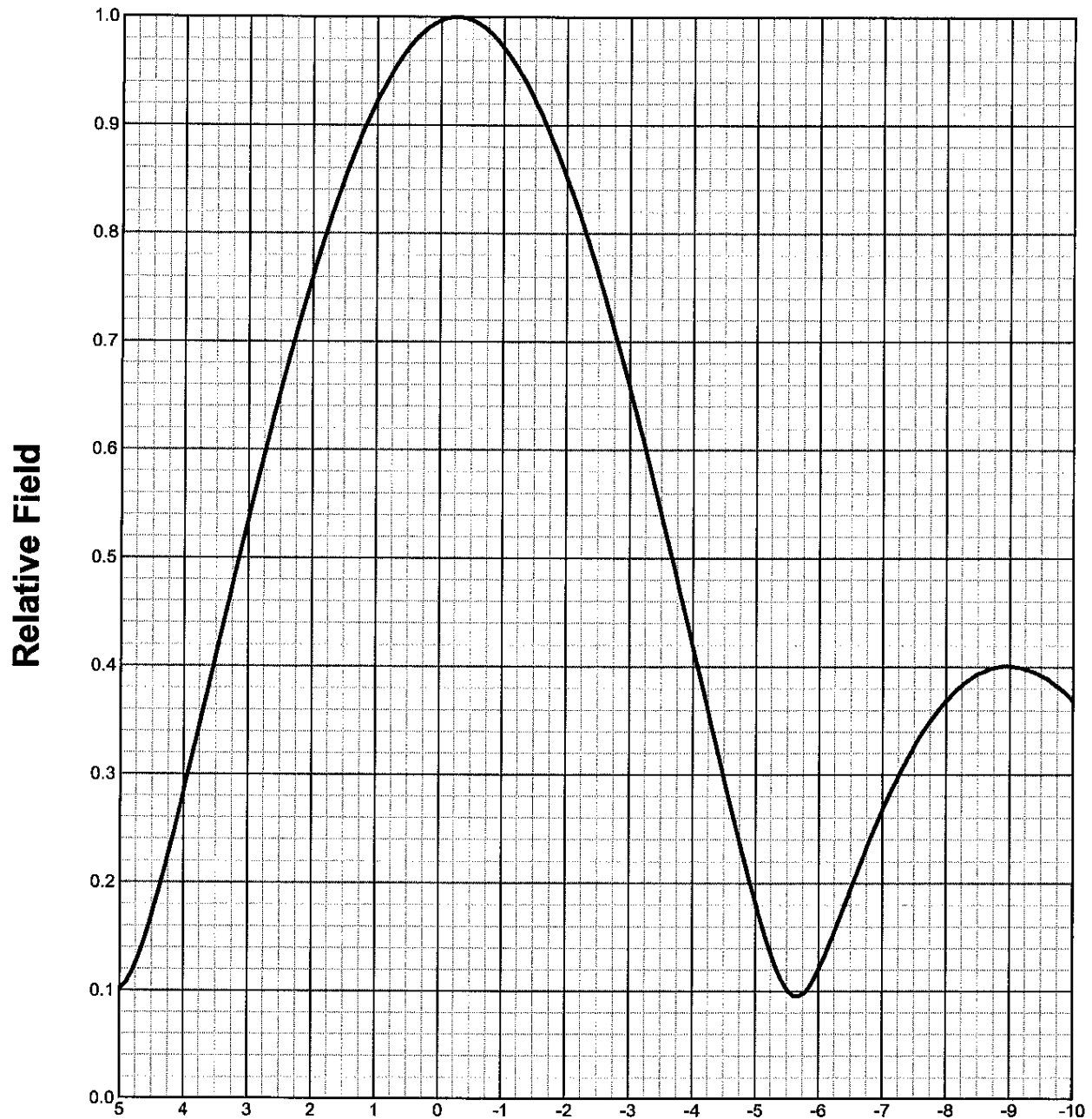
**TABULATED DATA FOR AZIMUTH PATTERN  
FCC FILING FORMAT****Type: ALP-O****Polarization: Horizontal**

<b>ANGLE</b>	<b>FIELD</b>	<b>ERP (kW)</b>	<b>ERP (dBk)</b>
0	1.000	1.936	2.870
10	1.000	1.936	2.870
20	1.000	1.936	2.870
30	1.000	1.936	2.870
40	1.000	1.936	2.870
50	1.000	1.936	2.870
60	1.000	1.936	2.870
70	1.000	1.936	2.870
80	1.000	1.936	2.870
90	1.000	1.936	2.870
100	1.000	1.936	2.870
110	1.000	1.936	2.870
120	1.000	1.936	2.870
130	1.000	1.936	2.870
140	1.000	1.936	2.870
150	1.000	1.936	2.870
160	1.000	1.936	2.870
170	1.000	1.936	2.870
180	1.000	1.936	2.870
190	1.000	1.936	2.870
200	1.000	1.936	2.870
210	1.000	1.936	2.870
220	1.000	1.936	2.870
230	1.000	1.936	2.870
240	1.000	1.936	2.870
250	1.000	1.936	2.870
260	1.000	1.936	2.870
270	1.000	1.936	2.870
280	1.000	1.936	2.870
290	1.000	1.936	2.870
300	1.000	1.936	2.870
310	1.000	1.936	2.870
320	1.000	1.936	2.870
330	1.000	1.936	2.870
340	1.000	1.936	2.870
350	1.000	1.936	2.870

*Preliminary, subject to final design and review.*

**ELEVATION PATTERN**

Type:	ALP8L1		Channel:	22
Directivity:	Numeric	dBd	Location:	Main Transmitter
Main Lobe:	9.05	9.57	Beam Tilt:	-0.25
Horizontal:	9.00	9.54	Polarization:	Horizontal



Preliminary, subject to final design and review.

# TABULATED DATA FOR ELEVATION PATTERN

Type: ALP8L1

Polarization: Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
5.00	0.102	-19.83	-6.75	0.232	-12.67	-27.00	0.035	-29.12	-50.50	0.053	-25.51	-74.00	0.194	-14.24
4.75	0.126	-17.99	-7.00	0.268	-11.44	-27.50	0.019	-34.42	-51.00	0.064	-23.88	-74.50	0.185	-14.66
4.50	0.171	-15.34	-7.25	0.299	-10.49	-28.00	0.010	-40.00	-51.50	0.073	-22.73	-75.00	0.176	-15.09
4.25	0.225	-12.94	-7.50	0.327	-9.71	-28.50	0.010	-40.00	-52.00	0.079	-22.05	-75.50	0.168	-15.49
4.00	0.285	-10.90	-7.75	0.350	-9.12	-29.00	0.010	-40.00	-52.50	0.084	-21.51	-76.00	0.159	-15.97
3.75	0.348	-9.18	-8.00	0.369	-8.66	-29.50	0.007	-43.10	-53.00	0.086	-21.31	-76.50	0.150	-16.48
3.50	0.411	-7.72	-8.25	0.384	-8.32	-30.00	0.000	-40.00	-53.50	0.086	-21.31	-77.00	0.141	-17.02
3.25	0.474	-6.49	-8.50	0.394	-8.09	-30.50	0.011	-39.17	-54.00	0.083	-21.62	-77.50	0.133	-17.52
3.00	0.535	-5.43	-8.75	0.400	-7.97	-31.00	0.026	-31.70	-54.50	0.078	-22.16	-78.00	0.125	-18.06
2.75	0.595	-4.50	-9.00	0.401	-7.94	-31.50	0.043	-27.33	-55.00	0.071	-22.97	-78.50	0.116	-18.71
2.50	0.654	-3.69	-9.25	0.398	-8.00	-32.00	0.062	-24.15	-55.50	0.062	-24.15	-79.00	0.109	-19.25
2.25	0.708	-2.99	-9.50	0.392	-8.13	-32.50	0.081	-21.83	-56.00	0.051	-25.85	-79.50	0.101	-19.91
2.00	0.760	-2.38	-9.75	0.382	-8.36	-33.00	0.100	-20.00	-56.50	0.040	-27.96	-80.00	0.094	-20.54
1.75	0.808	-1.85	-10.00	0.369	-8.66	-33.50	0.117	-18.64	-57.00	0.031	-30.17	-80.50	0.087	-21.21
1.50	0.851	-1.40	-10.50	0.335	-9.50	-34.00	0.132	-17.59	-57.50	0.027	-31.37	-81.00	0.080	-21.94
1.25	0.889	-1.02	-11.00	0.292	-10.69	-34.50	0.145	-16.77	-58.00	0.034	-29.37	-81.50	0.074	-22.62
1.00	0.923	-0.70	-11.50	0.244	-12.25	-35.00	0.153	-16.31	-58.50	0.048	-26.38	-82.00	0.068	-23.35
0.75	0.950	-0.45	-12.00	0.193	-14.29	-35.50	0.158	-16.03	-59.00	0.064	-23.88	-82.50	0.062	-24.15
0.50	0.972	-0.25	-12.50	0.144	-16.83	-36.00	0.159	-15.97	-59.50	0.082	-21.72	-83.00	0.056	-25.04
0.25	0.988	-0.11	-13.00	0.097	-20.26	-36.50	0.156	-16.14	-60.00	0.101	-19.91	-83.50	0.051	-25.85
0.00	0.997	-0.03	-13.50	0.057	-24.88	-37.00	0.149	-16.54	-60.50	0.119	-18.49	-84.00	0.046	-26.74
-0.25	1.000	0.00	-14.00	0.023	-32.77	-37.50	0.138	-17.20	-61.00	0.137	-17.27	-84.50	0.041	-27.74
-0.50	0.997	-0.03	-14.50	0.001	-60.00	-38.00	0.124	-18.13	-61.50	0.154	-16.25	-85.00	0.037	-28.64
-0.75	0.988	-0.11	-15.00	0.016	-35.92	-38.50	0.107	-19.41	-62.00	0.170	-15.39	-85.50	0.033	-29.63
-1.00	0.972	-0.25	-15.50	0.021	-33.56	-39.00	0.089	-21.01	-62.50	0.186	-14.61	-86.00	0.029	-30.75
-1.25	0.950	-0.44	-16.00	0.019	-34.42	-39.50	0.069	-23.22	-63.00	0.200	-13.98	-86.50	0.025	-32.04
-1.50	0.923	-0.70	-16.50	0.016	-35.92	-40.00	0.050	-26.02	-63.50	0.213	-13.43	-87.00	0.021	-33.56
-1.75	0.890	-1.01	-17.00	0.027	-31.37	-40.50	0.032	-29.90	-64.00	0.224	-13.00	-87.50	0.017	-35.39
-2.00	0.852	-1.39	-17.50	0.051	-25.85	-41.00	0.022	-33.15	-64.50	0.234	-12.62	-88.00	0.014	-37.08
-2.25	0.810	-1.83	-18.00	0.080	-21.94	-41.50	0.027	-31.37	-65.00	0.243	-12.29	-88.50	0.010	-40.00
-2.50	0.763	-2.35	-18.50	0.111	-19.09	-42.00	0.039	-28.18	-65.50	0.250	-12.04	-89.00	0.007	-43.10
-2.75	0.712	-2.96	-19.00	0.142	-16.95	-42.50	0.052	-25.68	-66.00	0.255	-11.87	-89.50	0.003	-50.46
-3.00	0.658	-3.64	-19.50	0.171	-15.34	-43.00	0.063	-24.01	-66.50	0.259	-11.73	-90.00	0.000	-40.00
-3.25	0.601	-4.43	-20.00	0.197	-14.11	-43.50	0.071	-22.97	-67.00	0.262	-11.63			
-3.50	0.541	-5.34	-20.50	0.218	-13.23	-44.00	0.076	-22.38	-67.50	0.263	-11.60			
-3.75	0.481	-6.37	-21.00	0.233	-12.65	-44.50	0.078	-22.16	-68.00	0.263	-11.60			
-4.00	0.419	-7.56	-21.50	0.241	-12.36	-45.00	0.076	-22.38	-68.50	0.262	-11.63			
-4.25	0.357	-8.93	-22.00	0.243	-12.29	-45.50	0.072	-22.85	-69.00	0.260	-11.70			
-4.50	0.296	-10.57	-22.50	0.237	-12.51	-46.00	0.065	-23.74	-69.50	0.256	-11.84			
-4.75	0.237	-12.49	-23.00	0.226	-12.92	-46.50	0.056	-25.04	-70.00	0.252	-11.97			
-5.00	0.182	-14.80	-23.50	0.209	-13.60	-47.00	0.044	-27.13	-70.50	0.247	-12.15			
-5.25	0.135	-17.43	-24.00	0.187	-14.56	-47.50	0.031	-30.17	-71.00	0.241	-12.36			
-5.50	0.102	-19.83	-24.50	0.162	-15.81	-48.00	0.017	-35.39	-71.50	0.234	-12.62			
-5.75	0.098	-20.18	-25.00	0.135	-17.39	-48.50	0.003	-50.46	-72.00	0.227	-12.88			
-6.00	0.121	-18.34	-25.50	0.108	-19.33	-49.00	0.012	-38.42	-72.50	0.219	-13.19			
-6.25	0.157	-16.11	-26.00	0.081	-21.83	-49.50	0.027	-31.37	-73.00	0.211	-13.51			
-6.50	0.195	-14.20	-26.50	0.056	-25.04	-50.00	0.040	-27.96	-73.50	0.203	-13.85			

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