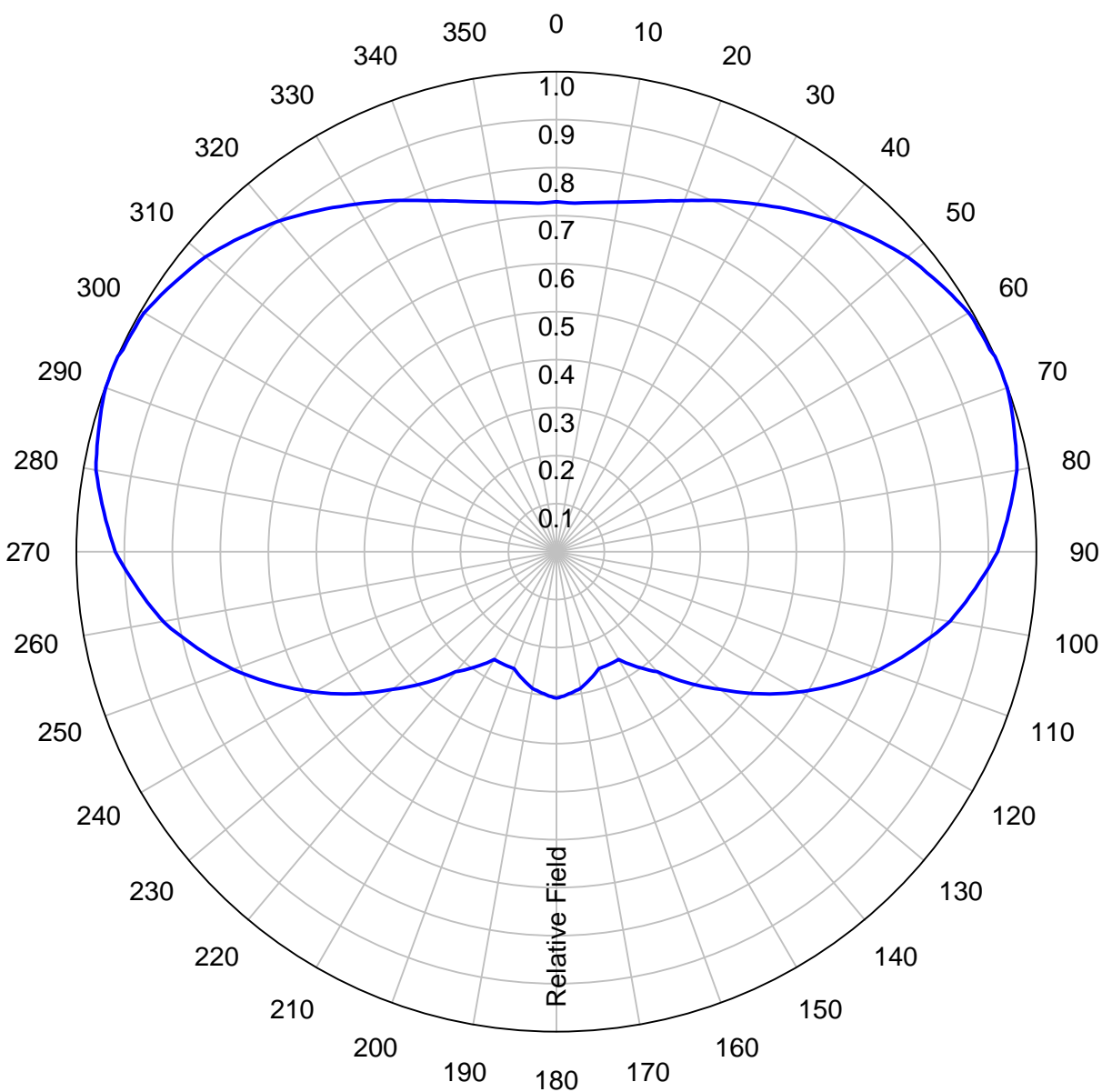


**AZIMUTH PATTERN****Type:****ALP-P****Directivity:****Numeric****1.88****dBd****2.74****Peak(s) at:****Channel:****30****Location:****BAYAMON, PR****Polarization:****Horizontal**

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



*Preliminary, subject to final design and review.*

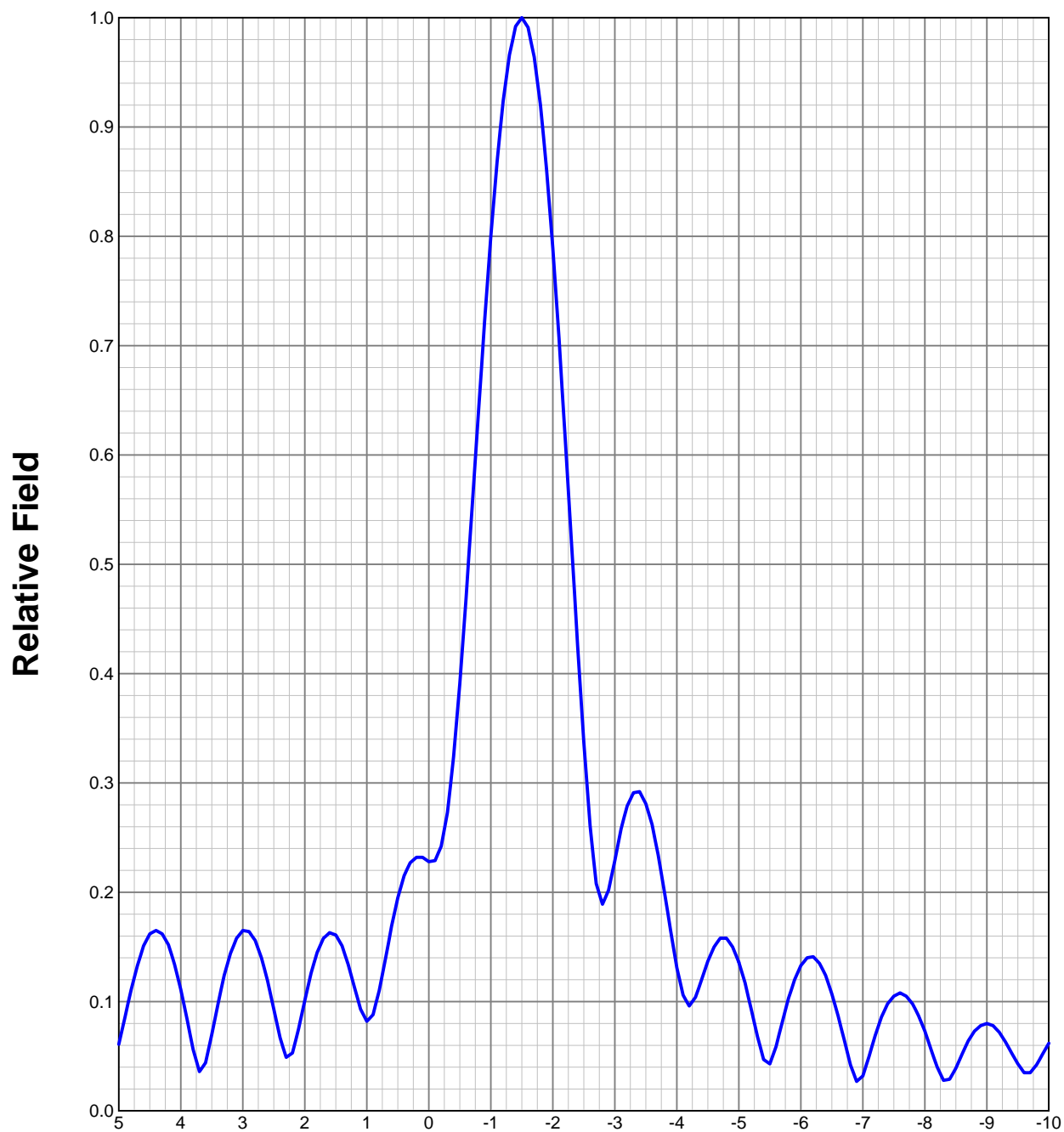
## **TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT**

Type: ALP-P

PolarizationHorizontal

<b>ANGLE</b>	<b>FIELD</b>	<b>ERP (kW)</b>	<b>ERP (dBk)</b>
0	0.729	53.131	17.253
10	0.739	54.598	17.372
20	0.778	60.513	17.818
30	0.836	69.872	18.443
40	0.899	80.800	19.074
50	0.955	91.179	19.599
60	0.993	98.580	19.938
70	0.999	99.775	19.990
80	0.974	94.843	19.770
90	0.919	84.435	19.265
100	0.833	69.371	18.412
110	0.717	51.396	17.109
120	0.585	34.214	15.342
130	0.446	19.887	12.986
140	0.326	10.625	10.263
150	0.259	6.706	8.265
160	0.259	6.706	8.265
170	0.289	8.350	9.217
180	0.305	9.300	9.685
190	0.289	8.350	9.217
200	0.259	6.706	8.265
210	0.259	6.706	8.265
220	0.326	10.625	10.263
230	0.446	19.887	12.986
240	0.585	34.214	15.342
250	0.717	51.396	17.109
260	0.833	69.371	18.412
270	0.919	84.435	19.265
280	0.974	94.843	19.770
290	0.999	99.775	19.990
300	0.993	98.580	19.938
310	0.955	91.179	19.599
320	0.899	80.800	19.074
330	0.836	69.872	18.443
340	0.778	60.513	17.818
350	0.739	54.598	17.372

*Preliminary, subject to final design and review.*

**ELEVATION PATTERN****Type:****ALP32L6****Channel:****30****Directivity:****Numeric****dBd****Location:****BAYAMON, PR****Main Lobe:****31.93****15.04****Beam Tilt:****-1.50****Horizontal:****1.66****2.20****Polarization:****Horizontal***Preliminary, subject to final design and review.*

## TABULATED DATA FOR ELEVATION PATTERN

Type: ALP32L6

PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.061	-24.29	-6.75	0.054	-25.43	-27.00	0.022	-33.15	-50.50
4.75	0.122	-18.27	-7.00	0.032	-29.90	-27.50	0.008	-41.94	-51.00
4.50	0.162	-15.81	-7.25	0.077	-22.21	-28.00	0.010	-40.00	-51.50
4.25	0.157	-16.08	-7.50	0.105	-19.58	-28.50	0.011	-39.17	-52.00
4.00	0.111	-19.09	-7.75	0.102	-19.87	-29.00	0.005	-46.02	-52.50
3.75	0.046	-26.74	-8.00	0.073	-22.73	-29.50	0.001	-60.00	-53.00
3.50	0.070	-23.10	-8.25	0.034	-29.37	-30.00	0.000	-40.00	-53.50
3.25	0.134	-17.46	-8.50	0.039	-28.18	-30.50	0.003	-50.46	-54.00
3.00	0.165	-15.65	-8.75	0.069	-23.29	-31.00	0.002	-53.98	-54.50
2.75	0.148	-16.59	-9.00	0.080	-21.94	-31.50	0.008	-41.94	-55.00
2.50	0.093	-20.63	-9.25	0.068	-23.41	-32.00	0.011	-39.17	-55.50
2.25	0.051	-25.85	-9.50	0.043	-27.33	-32.50	0.007	-43.10	-56.00
2.00	0.101	-19.91	-9.75	0.039	-28.29	-33.00	0.020	-33.98	-56.50
1.75	0.151	-16.39	-10.00	0.062	-24.15	-33.50	0.028	-31.06	-57.00
1.50	0.161	-15.86	-10.50	0.079	-22.05	-34.00	0.036	-28.87	-57.50
1.25	0.123	-18.17	-11.00	0.087	-21.21	-34.50	0.082	-21.72	-58.00
1.00	0.082	-21.72	-11.50	0.167	-15.55	-35.00	0.139	-17.14	-58.50
0.75	0.125	-18.10	-12.00	0.199	-14.02	-35.50	0.168	-15.49	-59.00
0.50	0.195	-14.20	-12.50	0.146	-16.71	-36.00	0.148	-16.59	-59.50
0.25	0.230	-12.78	-13.00	0.061	-24.29	-36.50	0.090	-20.92	-60.00
0.00	0.228	-12.84	-13.50	0.015	-36.48	-37.00	0.038	-28.40	-60.50
-0.25	0.258	-11.78	-14.00	0.011	-39.17	-37.50	0.055	-25.19	-61.00
-0.50	0.391	-8.16	-14.50	0.000	-40.00	-38.00	0.058	-24.73	-61.50
-0.75	0.596	-4.50	-15.00	0.004	-47.96	-38.50	0.033	-29.63	-62.00
-1.00	0.800	-1.94	-15.50	0.013	-37.72	-39.00	0.024	-32.40	-62.50
-1.25	0.945	-0.49	-16.00	0.011	-39.17	-39.50	0.036	-28.87	-63.00
-1.50	1.000	0.00	-16.50	0.013	-37.72	-40.00	0.027	-31.37	-63.50
-1.75	0.942	-0.52	-17.00	0.029	-30.75	-40.50	0.010	-40.00	-64.00
-2.00	0.789	-2.06	-17.50	0.018	-34.89	-41.00	0.027	-31.37	-64.50
-2.25	0.568	-4.92	-18.00	0.017	-35.39	-41.50	0.033	-29.63	-65.00
-2.50	0.337	-9.45	-18.50	0.037	-28.64	-42.00	0.020	-33.98	-65.50
-2.75	0.199	-14.04	-19.00	0.022	-33.15	-42.50	0.007	-43.10	-66.00
-3.00	0.229	-12.80	-19.50	0.022	-33.15	-43.00	0.022	-33.15	-66.50
-3.25	0.285	-10.90	-20.00	0.040	-27.96	-43.50	0.024	-32.40	-67.00
-3.50	0.281	-11.03	-20.50	0.023	-32.77	-44.00	0.013	-37.72	-67.50
-3.75	0.217	-13.27	-21.00	0.040	-27.96	-44.50	0.007	-43.10	-68.00
-4.00	0.131	-17.65	-21.50	0.057	-24.88	-45.00	0.015	-36.48	-68.50
-4.25	0.100	-20.00	-22.00	0.067	-23.48	-45.50	0.014	-37.08	-69.00
-4.50	0.137	-17.27	-22.50	0.146	-16.71	-46.00	0.007	-43.10	-69.50
-4.75	0.158	-16.03	-23.00	0.219	-13.19	-46.50	0.008	-41.94	-70.00
-5.00	0.136	-17.33	-23.50	0.220	-13.15	-47.00	0.010	-40.00	-70.50
-5.25	0.081	-21.88	-24.00	0.146	-16.71	-47.50	0.007	-43.10	-71.00
-5.50	0.043	-27.33	-24.50	0.054	-25.35	-48.00	0.005	-46.02	-71.50
-5.75	0.092	-20.72	-25.00	0.049	-26.20	-48.50	0.001	-60.00	-72.00
-6.00	0.133	-17.52	-25.50	0.052	-25.68	-49.00	0.009	-40.92	-72.50
-6.25	0.138	-17.20	-26.00	0.025	-32.04	-49.50	0.026	-31.70	-73.00
-6.50	0.107	-19.41	-26.50	0.019	-34.42	-50.00	0.042	-27.54	-73.50

Preliminary, subject to final design and review.