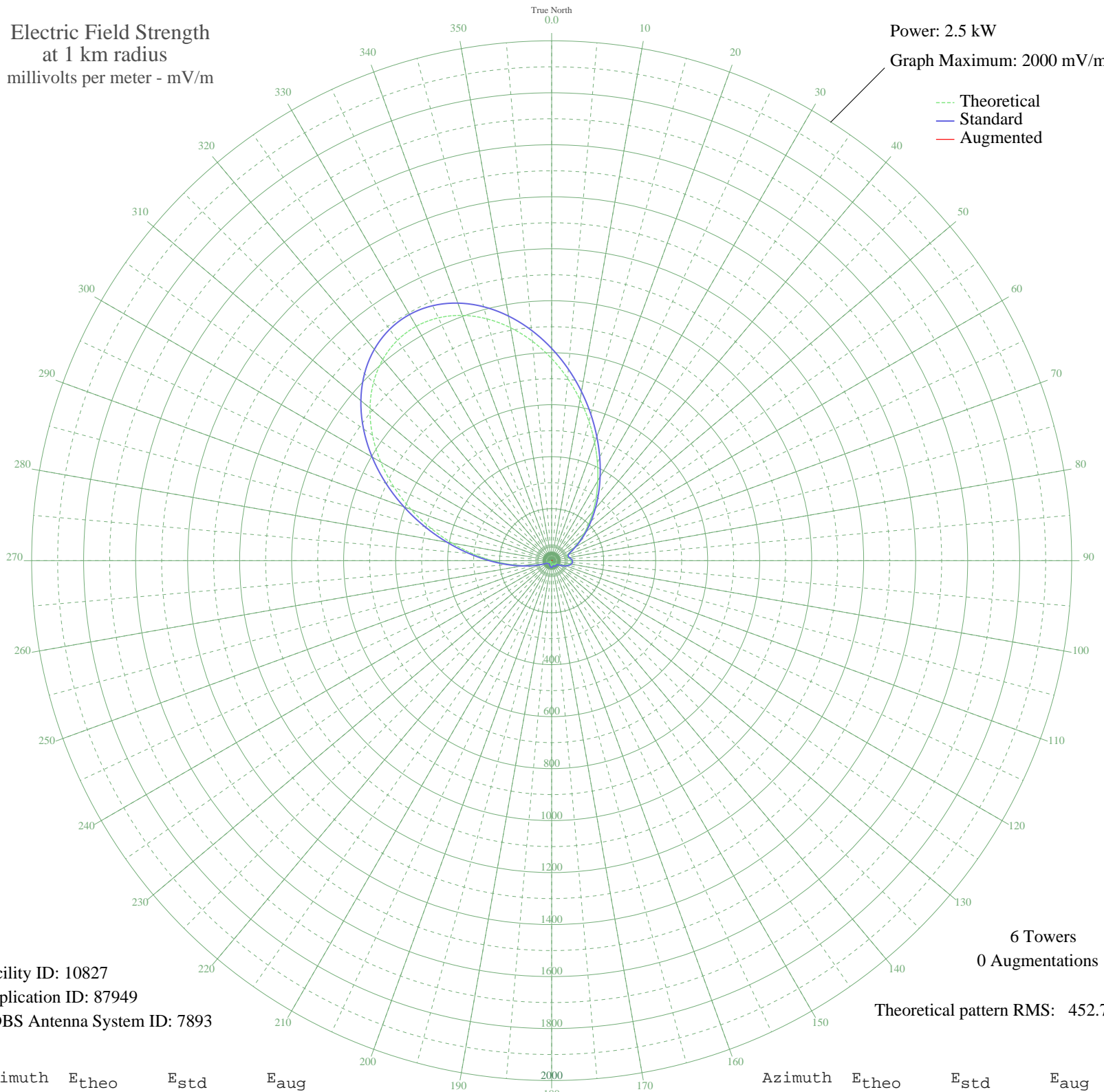


# KTEK ALVIN, TX BL-19860507AC 1110 kHz

## Critical Hours

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 2.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 10827  
Application ID: 87949  
CDBS Antenna System ID: 7893

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 452.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	777.57	816.61	
5	703.91	739.29	
10	628.84	660.49	
15	554.70	582.67	
20	483.43	507.87	
25	416.44	437.57	
30	354.65	372.75	
35	298.50	313.86	
40	248.01	260.94	
45	202.98	213.78	
50	163.15	172.11	
55	128.43	135.87	
60	99.27	105.55	
65	76.97	82.51	
70	63.70	68.91	
75	60.44	65.59	
80	64.19	69.41	
85	69.95	75.30	
90	74.10	79.55	
95	74.75	80.23	
100	71.27	76.66	
105	63.85	69.06	
110	53.30	58.38	
115	41.00	46.14	
120	28.80	34.50	
125	19.39	26.27	
130	16.06	23.66	
135	17.89	25.07	
140	20.00	26.77	
145	19.98	26.75	
150	17.61	24.85	
155	13.87	22.08	
160	10.97	20.21	
165	11.64	20.61	
170	14.96	22.86	
175	18.19	25.31	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	19.92	26.70	
185	19.69	26.52	
190	17.65	24.88	
195	14.32	22.40	
200	10.41	19.88	
205	6.72	18.04	
210	3.95	17.11	
215	2.62	16.83	
220	2.85	16.87	
225	3.87	17.09	
230	4.91	17.38	
235	5.80	17.69	
240	9.27	19.24	
245	19.65	26.48	
250	38.89	44.08	
255	68.41	73.72	
260	109.40	116.07	
265	162.53	171.46	
270	227.64	239.59	
275	303.70	319.32	
280	388.83	408.61	
285	480.36	504.65	
290	575.02	604.00	
295	669.19	702.84	
300	759.10	797.23	
305	841.14	883.36	
310	912.06	957.81	
315	969.15	1017.75	
320	1010.41	1061.06	
325	1034.58	1086.43	
330	1041.23	1093.42	
335	1030.72	1082.38	
340	1004.11	1054.44	
345	963.11	1011.41	
350	909.94	955.59	
355	847.17	889.69	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

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28 Sep 2008

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission