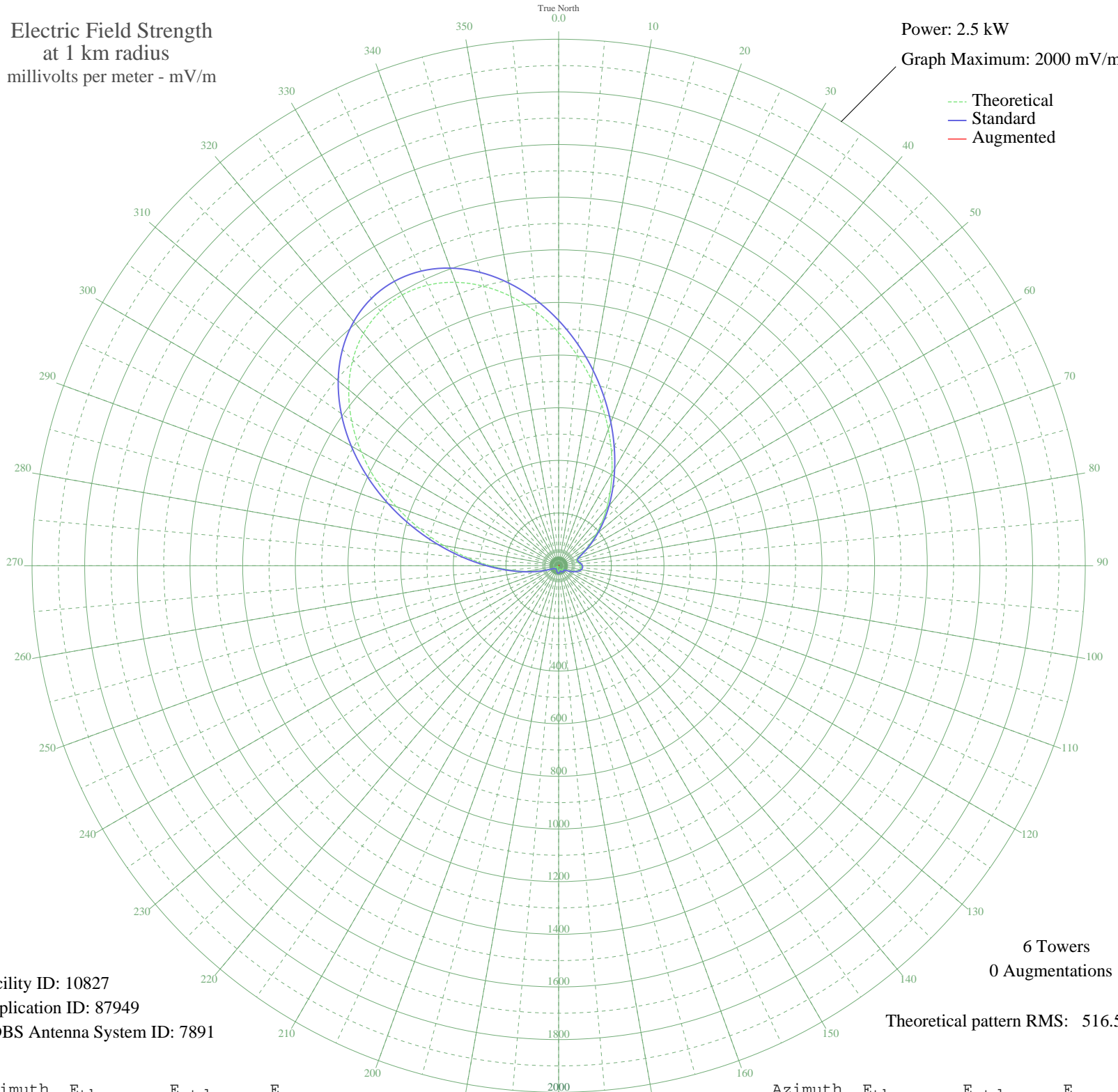


# KTEK ALVIN, TX BL-19860507AC 1110 kHz

Daytime

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: 7891

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 516.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	887.23	931.74	
5	803.18	843.50	
10	717.53	753.59	
15	632.93	664.79	
20	551.60	579.42	
25	475.17	499.20	
30	404.67	425.23	
35	340.59	358.01	
40	282.99	297.60	
45	231.61	243.75	
50	186.16	196.17	
55	146.54	154.76	
60	113.27	120.08	
65	87.83	93.70	
70	72.68	78.10	
75	68.96	74.29	
80	73.24	78.67	
85	79.82	85.44	
90	84.55	90.31	
95	85.30	91.09	
100	81.33	86.99	
105	72.85	78.27	
110	60.82	65.98	
115	46.78	51.85	
120	32.87	38.29	
125	22.13	28.56	
130	18.32	25.41	
135	20.41	27.11	
140	22.82	29.15	
145	22.80	29.13	
150	20.09	26.85	
155	15.82	23.49	
160	12.52	21.18	
165	13.28	21.68	
170	17.07	24.43	
175	20.76	27.40	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	22.72	29.07	
185	22.47	28.85	
190	20.14	26.89	
195	16.33	23.87	
200	11.88	20.77	
205	7.67	18.45	
210	4.50	17.26	
215	2.99	16.90	
220	3.25	16.95	
225	4.41	17.24	
230	5.60	17.61	
235	6.62	18.00	
240	10.57	19.97	
245	22.42	28.81	
250	44.38	49.47	
255	78.05	83.62	
260	124.83	132.12	
265	185.45	195.43	
270	259.74	273.23	
275	346.53	364.24	
280	443.67	466.15	
285	548.10	575.75	
290	656.12	689.12	
295	763.56	801.91	
300	866.16	909.62	
305	959.77	1007.90	
310	1040.69	1092.85	
315	1105.84	1161.25	
320	1152.91	1210.66	
325	1180.49	1239.62	
330	1188.08	1247.59	
335	1176.08	1235.00	
340	1145.72	1203.12	
345	1098.94	1154.01	
350	1038.28	1090.32	
355	966.65	1015.12	

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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13 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission