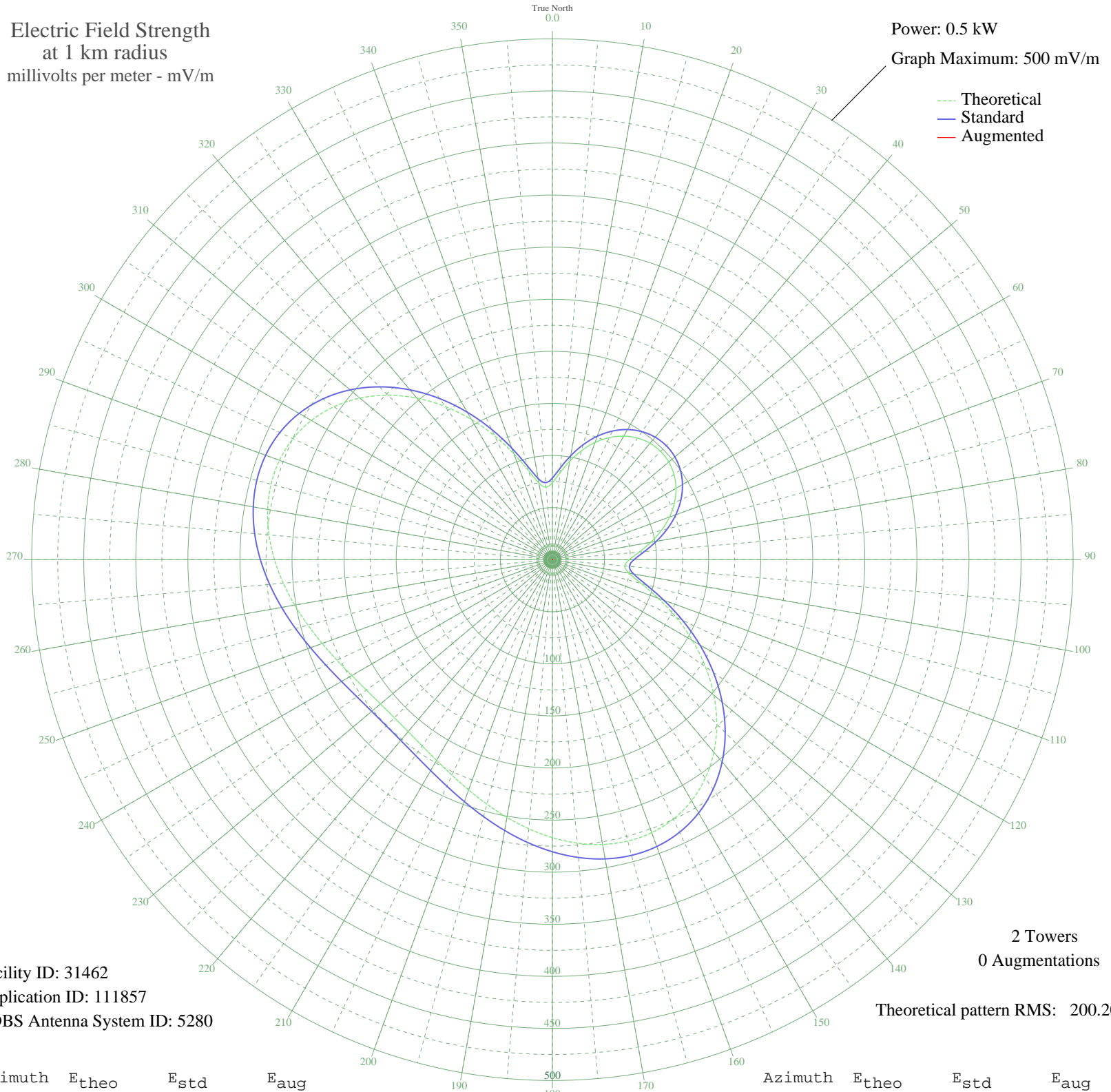


# KTNZ AMARILLO, TX BL-19880428AC 1010 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 31462  
Application ID: 111857  
CDBS Antenna System ID: 5280

2 Towers  
0 Augmentations

Theoretical pattern RMS: 200.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	73.92	78.33	
5	83.73	88.54	
10	95.95	101.29	
15	108.33	114.23	
20	119.67	126.09	
25	129.32	136.19	
30	136.99	144.22	
35	142.52	150.01	
40	145.85	153.51	
45	146.97	154.67	
50	145.85	153.51	
55	142.52	150.01	
60	136.99	144.22	
65	129.32	136.19	
70	119.67	126.09	
75	108.33	114.23	
80	95.95	101.29	
85	83.73	88.54	
90	73.92	78.33	
95	69.94	74.19	
100	74.79	79.23	
105	88.37	93.38	
110	108.02	113.90	
115	131.01	137.96	
120	155.32	163.43	
125	179.50	188.77	
130	202.43	212.81	
135	223.24	234.64	
140	241.26	253.54	
145	256.02	269.03	
150	267.24	280.80	
155	274.83	288.77	
160	278.89	293.03	
165	279.68	293.85	
170	277.60	291.66	
175	273.13	286.98	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	266.86	280.40	
185	259.36	272.53	
190	251.23	264.00	
195	243.01	255.37	
200	235.20	247.19	
205	228.24	239.88	
210	222.47	233.83	
215	218.16	229.31	
220	215.50	226.52	
225	214.60	225.57	
230	215.50	226.52	
235	218.16	229.31	
240	222.47	233.83	
245	228.24	239.88	
250	235.20	247.19	
255	243.01	255.37	
260	251.23	264.00	
265	259.36	272.53	
270	266.86	280.40	
275	273.13	286.98	
280	277.60	291.66	
285	279.68	293.85	
290	278.89	293.03	
295	274.83	288.77	
300	267.24	280.80	
305	256.02	269.03	
310	241.26	253.54	
315	223.24	234.64	
320	202.43	212.81	
325	179.50	188.77	
330	155.32	163.43	
335	131.01	137.96	
340	108.02	113.90	
345	88.37	93.38	
350	74.79	79.23	
355	69.94	74.19	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission