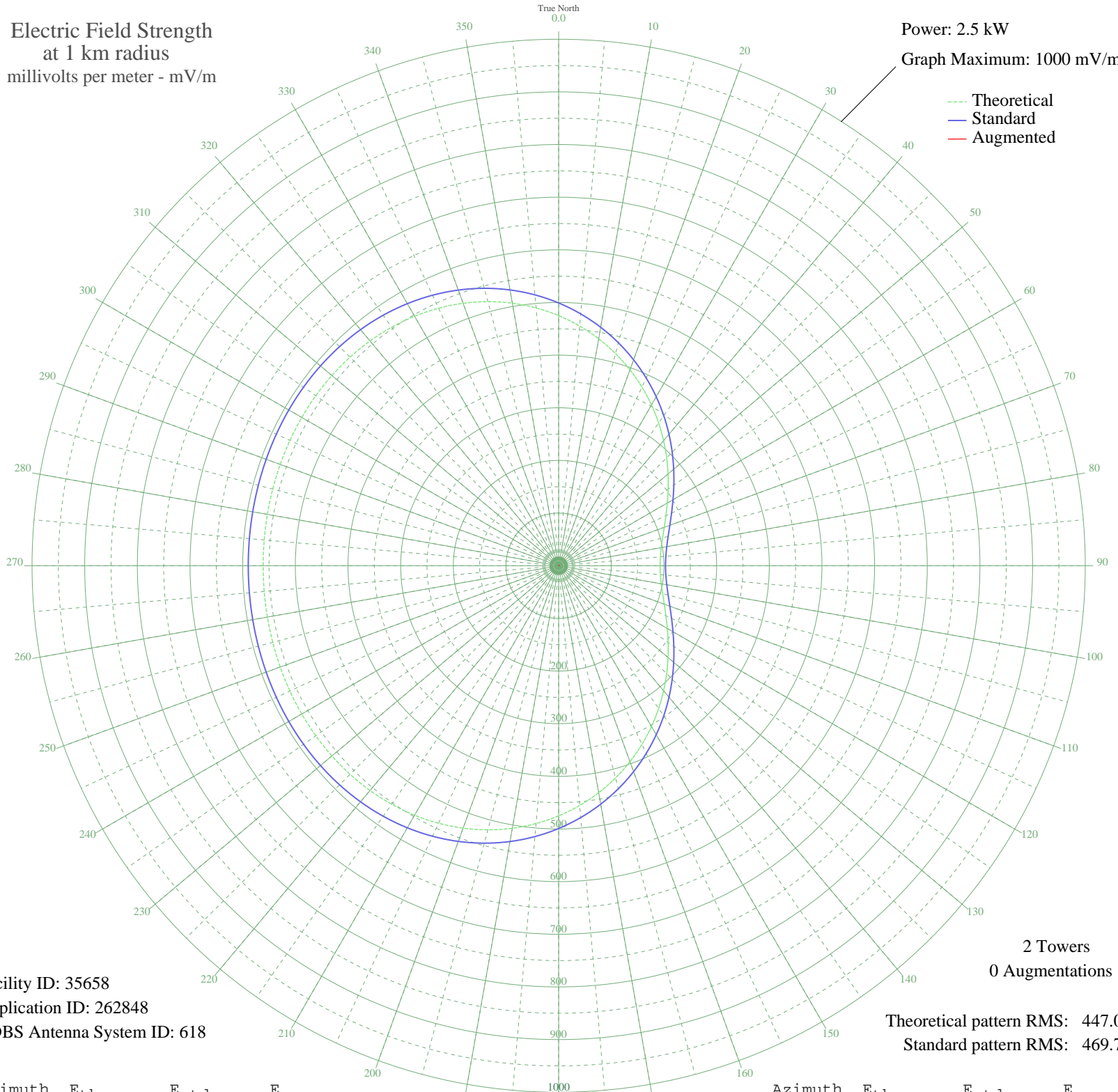


# KTCH WAYNE, NE BL-19980226KA 1590 kHz

Daytime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 35658  
Application ID: 262848  
CDBS Antenna System ID: 618

2 Towers  
0 Augmentations

Theoretical pattern RMS: 447.09  
Standard pattern RMS: 469.74

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	475.05	499.08	
5	457.03	480.16	
10	437.67	459.85	
15	417.23	438.41	
20	396.02	416.15	
25	374.35	393.41	
30	352.56	370.56	
35	331.01	347.95	
40	310.03	325.95	
45	289.96	304.91	
50	271.12	285.16	
55	253.80	267.01	
60	238.26	250.72	
65	224.72	236.54	
70	213.38	224.67	
75	204.40	215.26	
80	197.90	208.46	
85	193.97	204.34	
90	192.65	202.96	
95	193.97	204.34	
100	197.90	208.46	
105	204.40	215.26	
110	213.38	224.67	
115	224.72	236.54	
120	238.26	250.72	
125	253.80	267.01	
130	271.12	285.16	
135	289.96	304.91	
140	310.03	325.95	
145	331.01	347.95	
150	352.56	370.56	
155	374.35	393.41	
160	396.02	416.15	
165	417.23	438.41	
170	437.67	459.85	
175	457.03	480.16	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	475.05	499.08	
185	491.53	516.38	
190	506.31	531.88	
195	519.27	545.49	
200	530.38	557.15	
205	539.64	566.87	
210	547.12	574.72	
215	552.93	580.82	
220	557.23	585.33	
225	560.20	588.44	
230	562.04	590.38	
235	562.99	591.37	
240	563.26	591.66	
245	563.08	591.46	
250	562.62	590.99	
255	562.08	590.41	
260	561.58	589.89	
265	561.24	589.54	
270	561.12	589.41	
275	561.24	589.54	
280	561.58	589.89	
285	562.08	590.41	
290	562.62	590.99	
295	563.08	591.46	
300	563.26	591.66	
305	562.99	591.37	
310	562.04	590.38	
315	560.20	588.44	
320	557.23	585.33	
325	552.93	580.82	
330	547.12	574.72	
335	539.64	566.87	
340	530.38	557.15	
345	519.27	545.49	
350	506.31	531.88	
355	491.53	516.38	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission