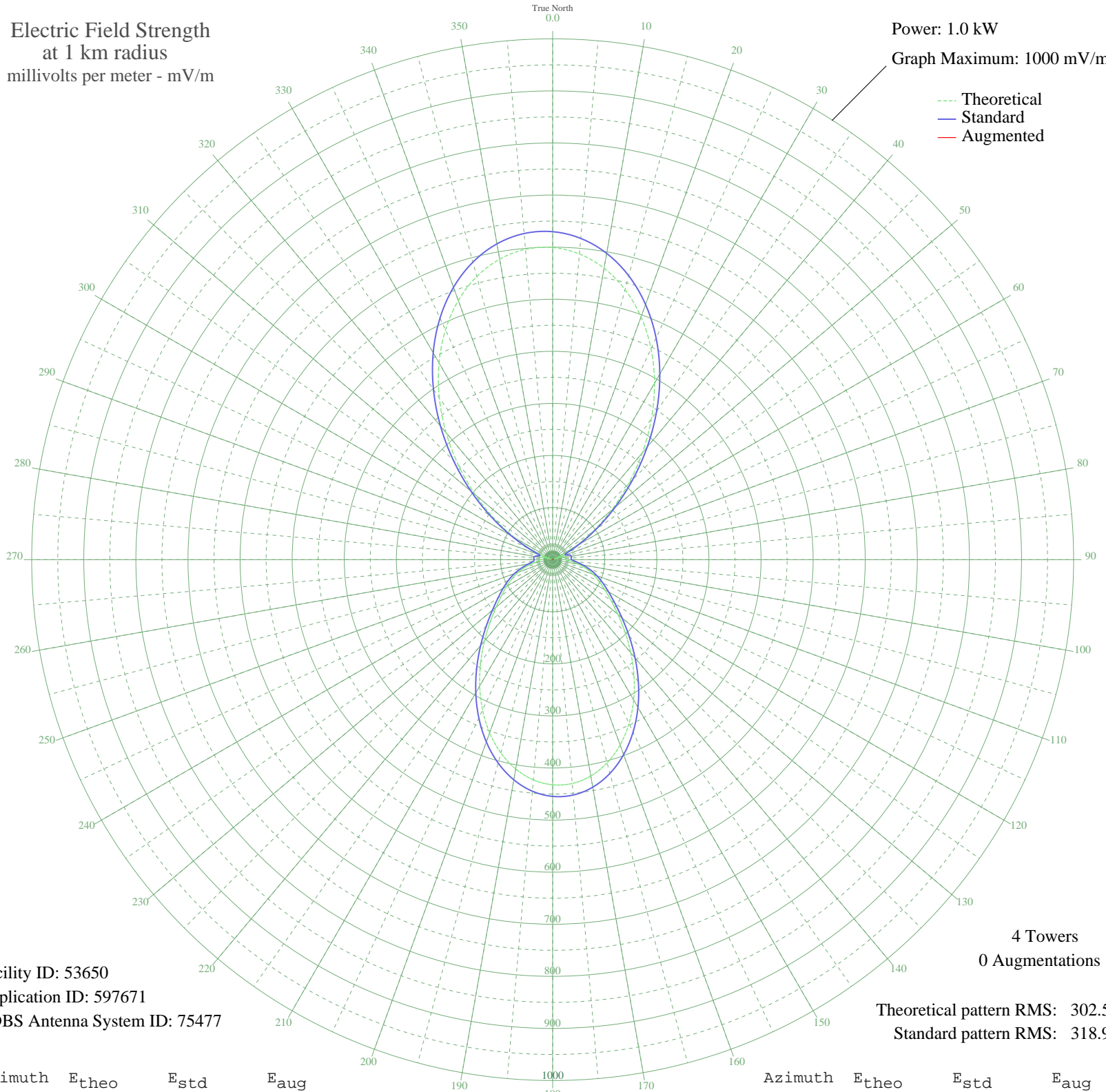


# WCMR ELKHART, IN BL-20020305ABH 1270 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 53650  
Application ID: 597671  
CDBS Antenna System ID: 75477

4 Towers  
0 Augmentations

Theoretical pattern RMS: 302.56  
Standard pattern RMS: 318.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	599.26	629.73	
5	589.21	619.18	
10	568.23	597.17	
15	536.86	564.27	
20	495.98	521.39	
25	446.81	469.83	
30	390.99	411.31	
35	330.55	347.99	
40	267.89	282.41	
45	205.69	217.44	
50	146.76	156.14	
55	93.80	101.66	
60	49.23	57.50	
65	15.02	29.72	
70	9.72	27.18	
75	22.02	34.19	
80	25.53	36.78	
85	23.94	35.58	
90	25.15	36.49	
95	35.17	44.70	
100	50.56	58.76	
105	67.03	74.75	
110	82.85	90.57	
115	98.40	106.35	
120	115.59	123.95	
125	136.82	145.85	
130	163.71	173.73	
135	196.29	207.64	
140	233.17	246.12	
145	272.18	286.90	
150	310.91	327.43	
155	347.05	365.27	
160	378.59	398.31	
165	403.90	424.84	
170	421.76	443.56	
175	431.34	453.60	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	432.21	454.52	
185	424.35	446.28	
190	408.10	429.24	
195	384.19	404.19	
200	353.78	372.32	
205	318.41	335.28	
210	280.03	295.11	
215	240.88	254.18	
220	203.38	215.03	
225	169.80	180.06	
230	141.72	150.92	
235	119.44	127.92	
240	101.63	109.65	
245	85.94	93.69	
250	70.26	77.95	
255	53.86	61.91	
260	37.99	47.18	
265	26.45	37.50	
270	23.64	35.36	
275	25.43	36.71	
280	23.36	35.16	
285	12.90	28.60	
290	9.70	27.17	
295	41.50	50.33	
300	84.15	91.88	
305	135.60	144.60	
310	193.55	204.79	
315	255.32	269.27	
320	318.11	334.96	
325	379.20	398.95	
330	436.12	458.62	
335	486.76	511.72	
340	529.41	556.45	
345	562.76	591.44	
350	585.87	615.68	
355	598.14	628.55	

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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23 Oct 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission