

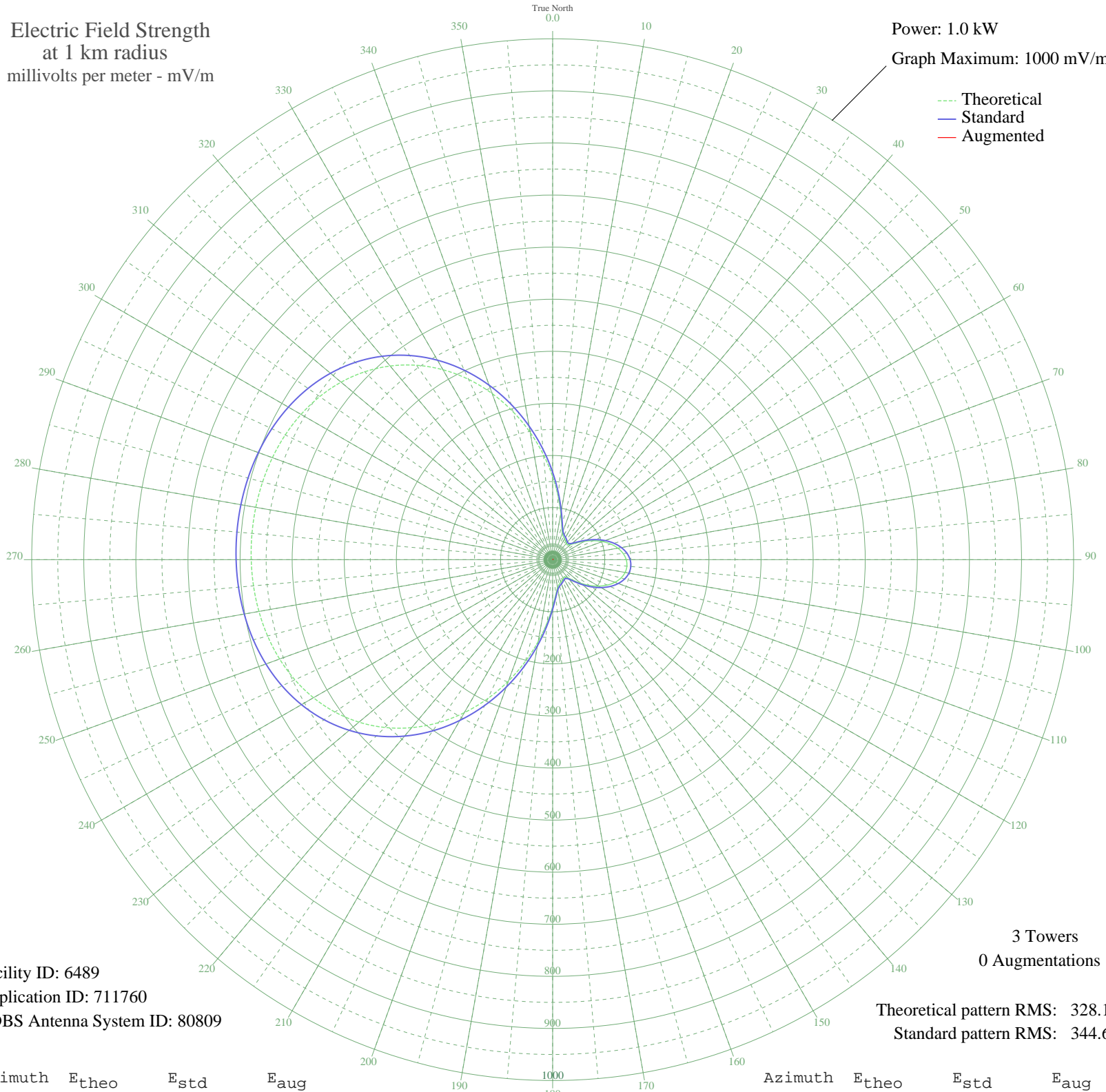
# WFCV FORT WAYNE, IN BL-20031216ADX 1090 kHz

## Critical Hours

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 6489  
Application ID: 711760  
CDBS Antenna System ID: 80809

3 Towers  
0 Augmentations

Theoretical pattern RMS: 328.10  
Standard pattern RMS: 344.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	159.39	167.69	
5	121.26	127.76	
10	89.97	95.05	
15	67.46	71.60	
20	54.44	58.12	
25	48.73	52.23	
30	46.04	49.47	
35	43.42	46.78	
40	40.77	44.07	
45	40.47	43.77	
50	45.45	48.86	
55	56.08	59.82	
60	70.38	74.64	
65	86.10	91.01	
70	101.55	107.14	
75	115.52	121.75	
80	127.16	133.93	
85	135.86	143.03	
90	141.23	148.66	
95	143.04	150.56	
100	141.23	148.66	
105	135.86	143.03	
110	127.16	133.93	
115	115.52	121.75	
120	101.55	107.14	
125	86.10	91.01	
130	70.38	74.64	
135	56.08	59.82	
140	45.45	48.86	
145	40.47	43.77	
150	40.77	44.07	
155	43.42	46.78	
160	46.04	49.47	
165	48.73	52.23	
170	54.44	58.12	
175	67.46	71.60	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	89.97	95.05	
185	121.26	127.76	
190	159.39	167.69	
195	202.26	212.63	
200	247.79	260.39	
205	294.04	308.92	
210	339.27	356.39	
215	381.98	401.22	
220	421.02	442.20	
225	455.61	478.51	
230	485.34	509.71	
235	510.11	535.72	
240	530.15	556.75	
245	545.85	573.23	
250	557.74	585.73	
255	566.44	594.85	
260	572.50	601.21	
265	576.43	605.34	
270	578.62	607.64	
275	579.33	608.38	
280	578.62	607.64	
285	576.43	605.34	
290	572.50	601.21	
295	566.44	594.85	
300	557.74	585.73	
305	545.85	573.23	
310	530.15	556.75	
315	510.11	535.72	
320	485.34	509.71	
325	455.61	478.51	
330	421.02	442.20	
335	381.98	401.22	
340	339.27	356.39	
345	294.04	308.92	
350	247.79	260.39	
355	202.26	212.63	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission