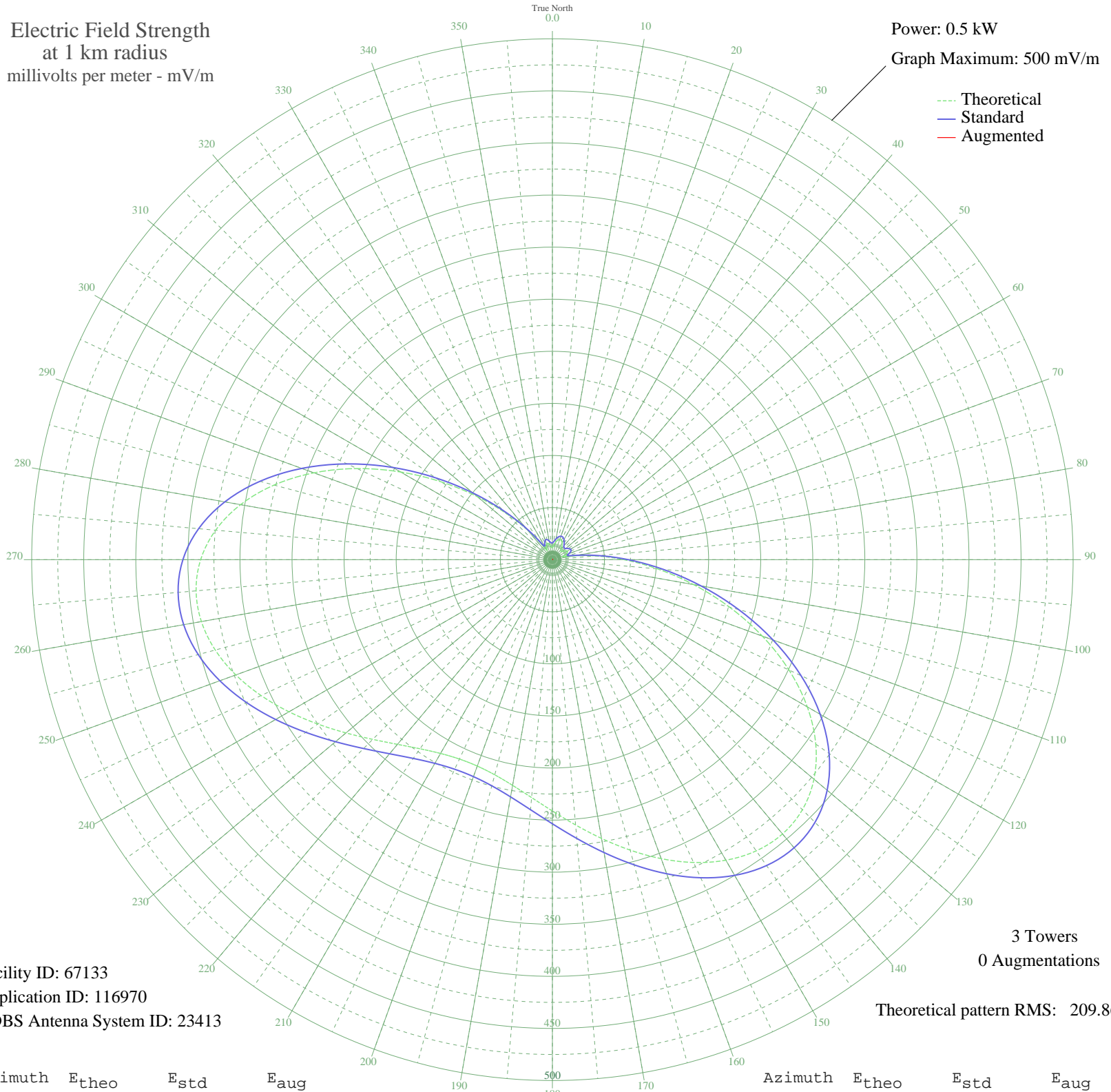


# WHLY SOUTH BEND, IN BL-19880812AB 1580 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 67133  
Application ID: 116970  
CDBS Antenna System ID: 23413

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 209.86

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	11.48	15.99	
5	13.52	17.65	
10	16.56	20.31	
15	19.15	22.69	
20	20.52	23.97	
25	20.36	23.82	
30	18.71	22.28	
35	15.95	19.77	
40	12.97	17.20	
45	11.36	15.89	
50	12.33	16.67	
55	14.73	18.69	
60	16.43	20.19	
65	15.86	19.69	
70	12.48	16.79	
75	10.31	15.08	
80	20.84	24.27	
85	41.38	44.70	
90	68.61	72.80	
95	101.18	106.76	
100	137.62	144.88	
105	176.08	185.18	
110	214.49	225.45	
115	250.67	263.41	
120	282.63	296.95	
125	308.73	324.34	
130	327.85	344.40	
135	339.47	356.60	
140	343.73	361.07	
145	341.26	358.47	
150	333.14	349.96	
155	320.72	336.92	
160	305.43	320.87	
165	288.67	303.29	
170	271.72	285.50	
175	255.64	268.63	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	241.27	253.56	
185	229.25	240.94	
190	220.01	231.25	
195	213.82	224.76	
200	210.86	221.65	
205	211.19	222.00	
210	214.81	225.79	
215	221.62	232.94	
220	231.45	243.24	
225	243.98	256.39	
230	258.74	271.88	
235	275.07	289.02	
240	292.08	306.86	
245	308.65	324.25	
250	323.48	339.82	
255	335.16	352.07	
260	342.24	359.51	
265	343.44	360.77	
270	337.75	354.79	
275	324.62	341.01	
280	304.04	319.42	
285	276.66	290.69	
290	243.71	256.11	
295	206.91	217.51	
300	168.32	177.05	
305	130.10	137.01	
310	94.31	99.58	
315	62.70	66.66	
320	36.68	39.92	
325	17.73	21.37	
330	10.00	14.85	
335	13.33	17.50	
340	16.21	20.00	
345	16.23	20.02	
350	14.24	18.27	
355	11.95	16.36	