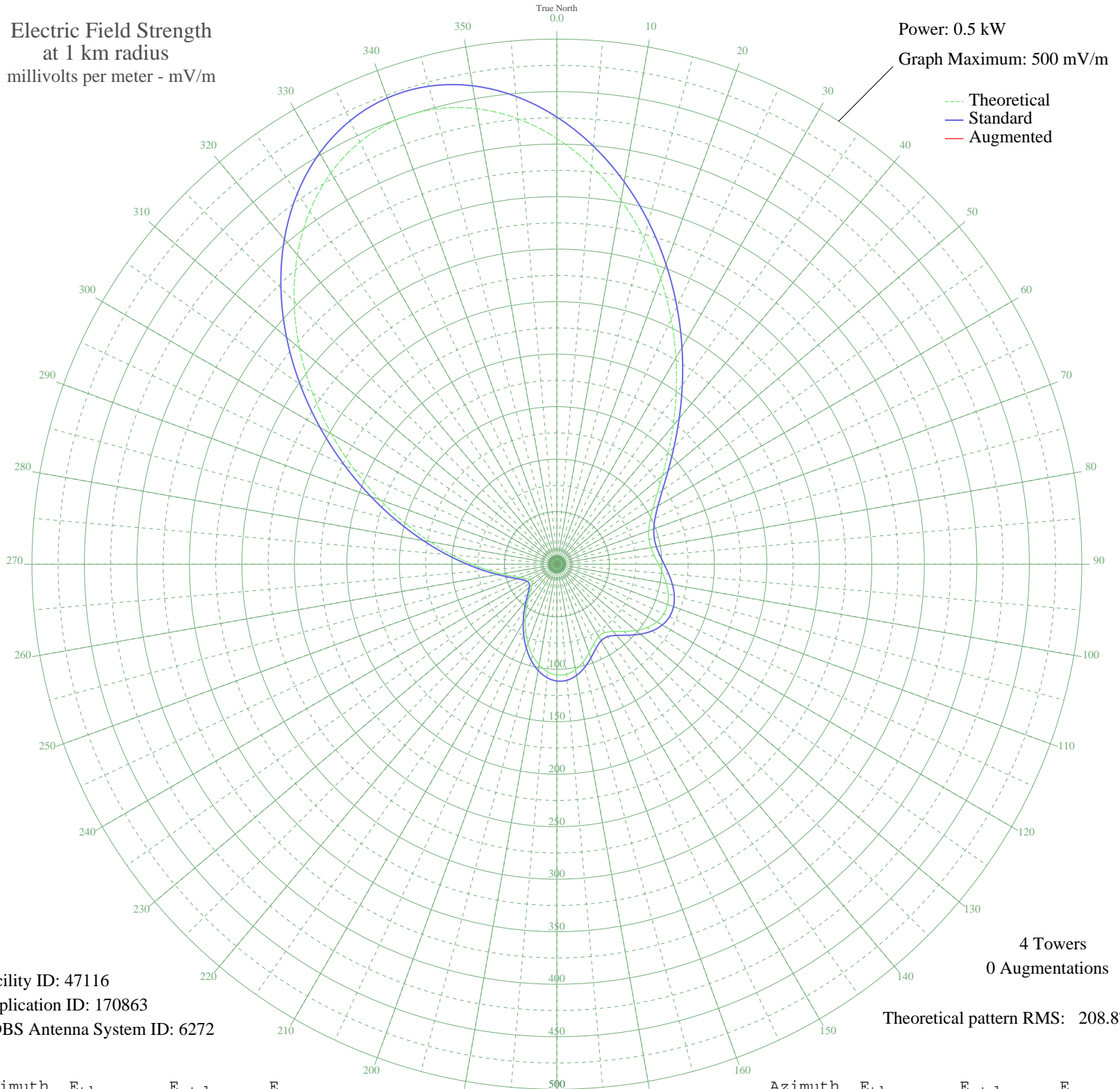


WTKA ANN ARBOR, MI BL-19920221AB 1050 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 47116
Application ID: 170863
CDBS Antenna System ID: 6272

4 Towers
0 Augmentations

Theoretical pattern RMS: 208.87

Azimuth	E _{theo}	E _{std}	E _{aug}
0	405.40	425.80	
5	380.41	399.57	
10	351.93	369.68	
15	321.16	337.38	
20	289.30	303.95	
25	257.50	270.58	
30	226.81	238.38	
35	198.17	208.34	
40	172.34	181.26	
45	149.92	157.77	
50	131.27	138.23	
55	116.48	122.76	
60	105.43	111.19	
65	97.75	103.17	
70	93.04	98.25	
75	90.91	96.03	
80	91.06	96.18	
85	93.16	98.38	
90	96.78	102.16	
95	101.30	106.88	
100	105.93	111.72	
105	109.82	115.79	
110	112.16	118.23	
115	112.31	118.39	
120	109.92	115.89	
125	105.04	110.79	
130	98.22	103.66	
135	90.56	95.66	
140	83.73	88.54	
145	79.64	84.28	
150	79.61	84.25	
155	83.50	88.31	
160	89.80	94.87	
165	96.52	101.89	
170	102.02	107.63	
175	105.19	110.95	

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	105.48	111.25	
185	102.78	108.43	
190	97.35	102.76	
195	89.69	94.76	
200	80.46	85.13	
205	70.38	74.64	
210	60.20	64.07	
215	50.58	54.14	
220	42.17	45.50	
225	35.48	38.71	
230	30.99	34.19	
235	28.97	32.18	
240	29.46	32.67	
245	32.25	35.46	
250	37.15	40.39	
255	44.15	47.54	
260	53.51	57.16	
265	65.60	69.68	
270	80.90	85.59	
275	99.80	105.31	
280	122.54	129.10	
285	149.16	156.97	
290	179.37	188.63	
295	212.58	223.46	
300	247.90	260.51	
305	284.15	298.55	
310	319.98	336.15	
315	353.92	371.76	
320	384.49	403.85	
325	410.35	430.99	
330	430.36	452.00	
335	443.68	465.98	
340	449.82	472.42	
345	448.66	471.21	
350	440.45	462.60	
355	425.76	447.17	

10 Nov 2011

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Federal Communications Commission