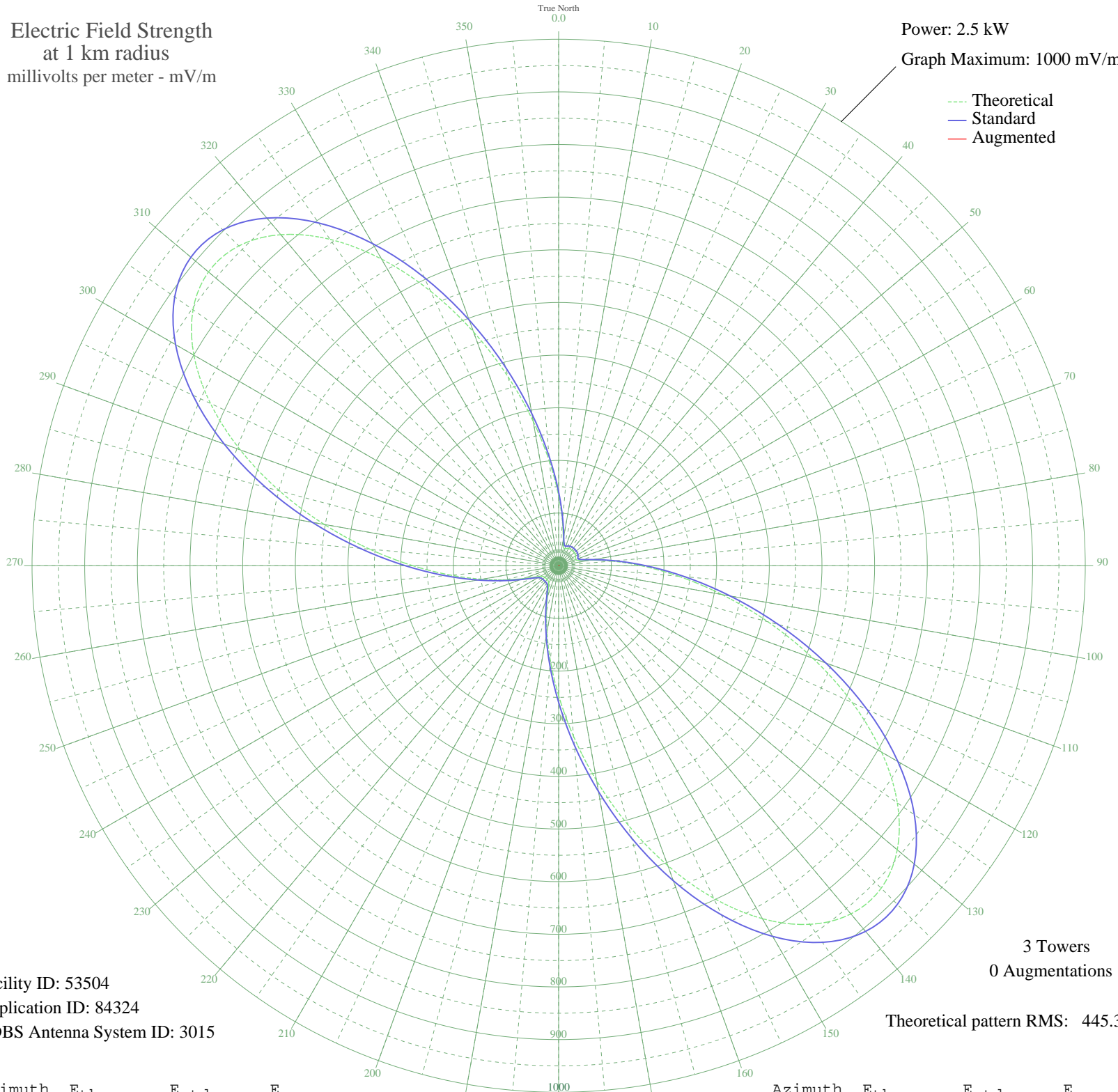


# WAIT CRYSTAL LAKE, IL BL-19851218AG 850 kHz

Daytime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 53504  
Application ID: 84324  
CDBS Antenna System ID: 3015

3 Towers  
0 Augmentations

Theoretical pattern RMS: 445.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	132.49	140.10	
5	83.14	88.86	
10	50.79	55.86	
15	35.88	41.17	
20	33.96	39.34	
25	36.04	41.32	
30	37.68	42.90	
35	38.34	43.55	
40	38.48	43.68	
45	38.48	43.69	
50	38.45	43.66	
55	38.17	43.38	
60	37.15	42.40	
65	35.15	40.47	
70	33.78	39.17	
75	39.84	45.00	
80	61.64	66.81	
85	100.88	107.21	
90	156.83	165.51	
95	228.68	240.69	
100	314.66	330.81	
105	411.41	432.30	
110	513.82	539.76	
115	615.27	646.25	
120	708.25	743.85	
125	785.17	824.60	
130	839.40	881.53	
135	866.18	909.64	
140	863.32	906.64	
145	831.49	873.23	
150	774.10	812.98	
155	696.72	731.74	
160	606.23	636.75	
165	509.88	535.63	
170	414.42	435.46	
175	325.38	342.05	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	246.73	259.59	
185	180.75	190.52	
190	128.30	135.73	
195	89.07	94.99	
200	62.08	67.26	
205	45.78	50.85	
210	37.78	43.00	
215	34.80	40.14	
220	34.01	39.38	
225	33.90	39.28	
230	34.19	39.55	
235	35.60	40.90	
240	40.18	45.34	
245	51.14	56.21	
250	71.49	76.88	
255	103.23	109.65	
260	147.66	155.93	
265	205.54	216.45	
270	276.76	291.07	
275	359.94	378.30	
280	452.11	475.01	
285	548.67	576.34	
290	643.53	675.91	
295	729.65	766.31	
300	799.81	839.97	
305	847.54	890.07	
310	868.04	911.60	
315	858.97	902.07	
320	820.79	861.99	
325	756.79	794.80	
330	672.57	706.40	
335	575.28	604.27	
340	472.57	496.47	
345	371.70	390.64	
350	278.75	293.16	
355	198.12	208.68	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission