

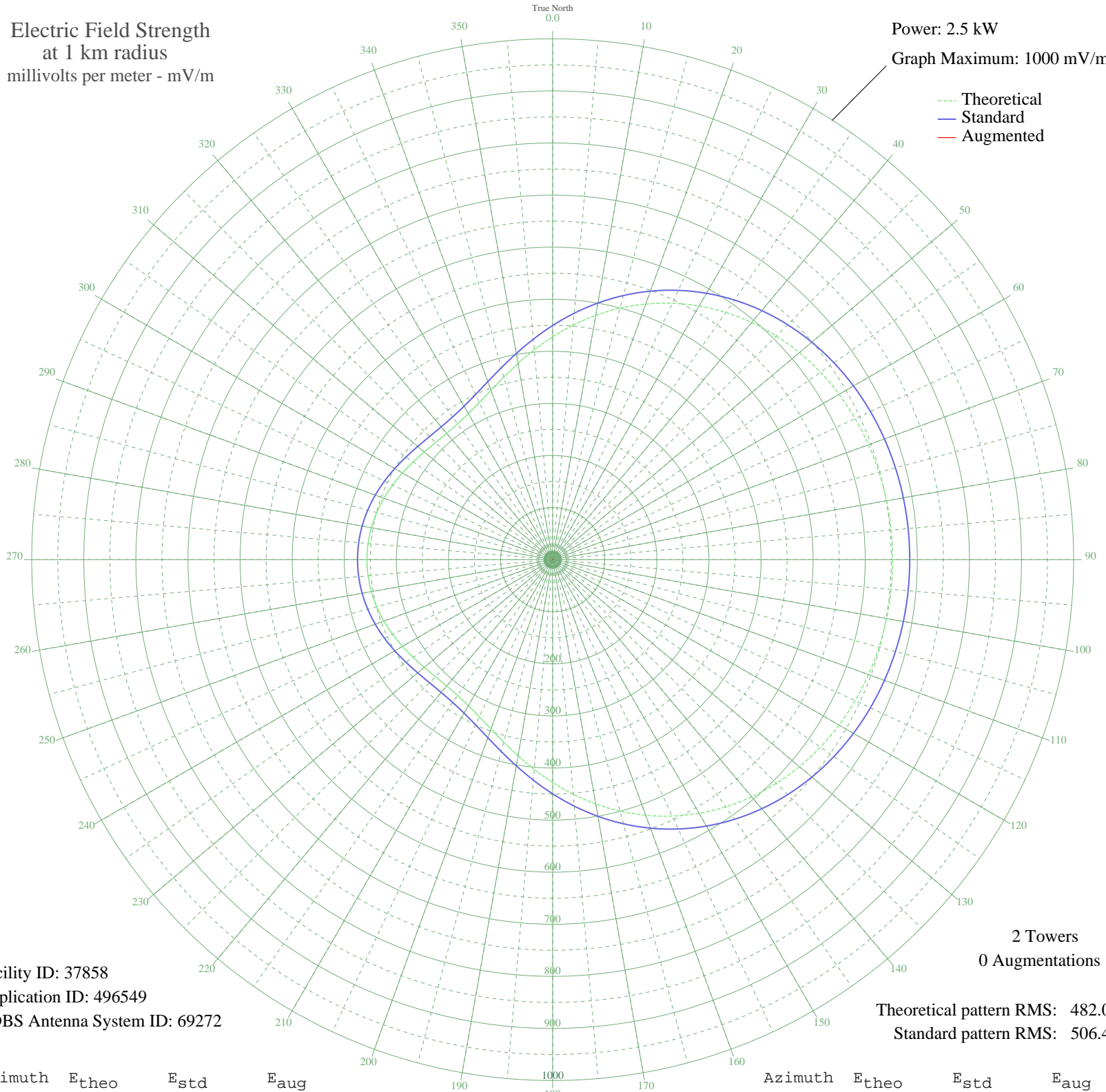
WCJW WARSAW, NY BL-20000320ABL 1140 kHz

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: 37858  
Application ID: 496549  
CDBS Antenna System ID: 69272

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 482.04  
Standard pattern RMS: 506.41

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	427.86	449.56	
5	452.03	474.92	
10	476.20	500.29	
15	499.76	525.01	
20	522.19	548.56	
25	543.10	570.50	
30	562.20	590.54	
35	579.31	608.50	
40	594.36	624.30	
45	607.34	637.92	
50	618.33	649.46	
55	627.45	659.04	
60	634.87	666.82	
65	640.74	672.98	
70	645.26	677.72	
75	648.57	681.20	
80	650.84	683.58	
85	652.15	684.96	
90	652.58	685.41	
95	652.15	684.96	
100	650.84	683.58	
105	648.57	681.20	
110	645.26	677.72	
115	640.74	672.98	
120	634.87	666.82	
125	627.45	659.04	
130	618.33	649.46	
135	607.34	637.92	
140	594.36	624.30	
145	579.31	608.50	
150	562.20	590.54	
155	543.10	570.50	
160	522.19	548.56	
165	499.76	525.01	
170	476.20	500.29	
175	452.03	474.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	427.86	449.56	
185	404.41	424.95	
190	382.44	401.91	
195	362.75	381.25	
200	346.04	363.73	
205	332.90	349.94	
210	323.65	340.24	
215	318.32	334.65	
220	316.60	332.85	
225	317.95	334.26	
230	321.62	338.11	
235	326.85	343.59	
240	332.87	349.91	
245	339.02	356.36	
250	344.74	362.36	
255	349.61	367.47	
260	353.31	371.34	
265	355.60	373.75	
270	356.38	374.57	
275	355.60	373.75	
280	353.31	371.34	
285	349.61	367.47	
290	344.74	362.36	
295	339.02	356.36	
300	332.87	349.91	
305	326.85	343.59	
310	321.62	338.11	
315	317.95	334.26	
320	316.60	332.85	
325	318.32	334.65	
330	323.65	340.24	
335	332.90	349.94	
340	346.04	363.73	
345	362.75	381.25	
350	382.44	401.91	
355	404.41	424.95	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission