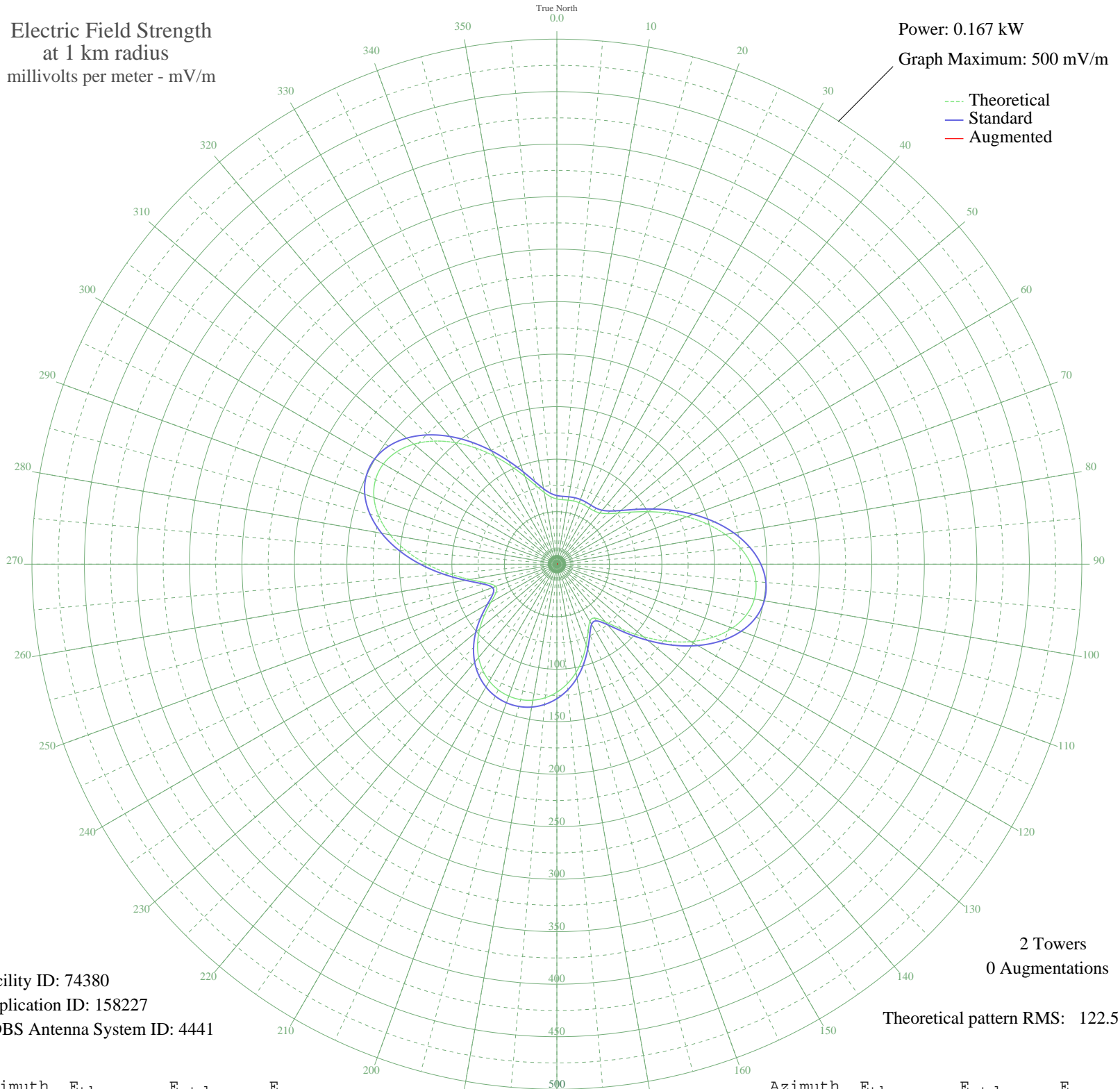


# WBZK YORK, SC BL-19910318AB 980 kHz

Nighttime

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

Power: 0.167 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 74380  
Application ID: 158227  
CDBS Antenna System ID: 4441

2 Towers  
0 Augmentations

Theoretical pattern RMS: 122.51

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	62.11	65.35	
5	61.61	64.83	
10	61.91	65.14	
15	62.26	65.52	
20	62.30	65.56	
25	61.99	65.23	
30	61.64	64.86	
35	61.90	65.14	
40	63.72	67.05	
45	68.09	71.62	
50	75.64	79.53	
55	86.43	90.85	
60	99.98	105.07	
65	115.44	121.29	
70	131.82	138.48	
75	148.03	155.49	
80	162.99	171.19	
85	175.63	184.46	
90	185.01	194.30	
95	190.32	199.88	
100	191.01	200.61	
105	186.83	196.22	
110	177.85	186.79	
115	164.48	172.76	
120	147.48	154.91	
125	127.95	134.42	
130	107.37	112.82	
135	87.69	92.18	
140	71.65	75.35	
145	62.65	65.92	
150	62.86	66.14	
155	70.51	74.16	
160	81.75	85.94	
165	93.68	98.46	
170	104.76	110.08	
175	114.27	120.06	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	121.94	128.11	
185	127.68	134.13	
190	131.53	138.17	
195	133.53	140.27	
200	133.71	140.46	
205	132.08	138.75	
210	128.60	135.10	
215	123.24	129.47	
220	115.96	121.83	
225	106.80	112.22	
230	96.00	100.89	
235	84.15	88.46	
240	72.58	76.33	
245	63.91	67.24	
250	61.95	65.19	
255	69.18	72.76	
260	84.09	88.40	
265	103.29	108.54	
270	123.87	130.13	
275	143.74	150.98	
280	161.34	169.46	
285	175.51	184.33	
290	185.41	194.73	
295	190.57	200.14	
300	190.84	200.43	
305	186.41	195.78	
310	177.80	186.74	
315	165.74	174.08	
320	151.16	158.78	
325	135.11	141.93	
330	118.68	124.69	
335	102.95	108.18	
340	88.94	93.49	
345	77.55	81.54	
350	69.33	72.92	
355	64.37	67.72	

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