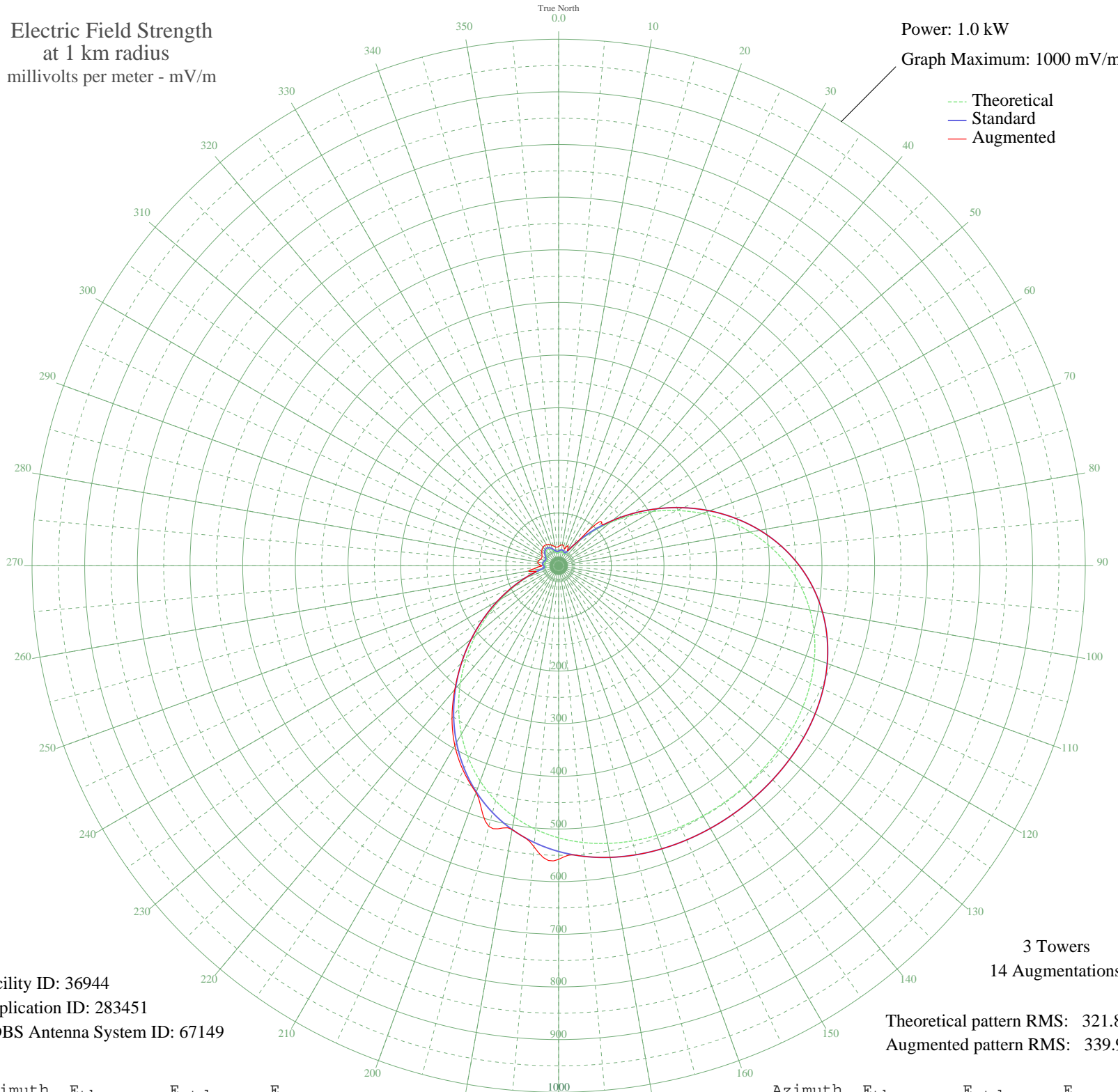


# WRNS KINSTON, NC BL-19990401DG 960 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 36944  
Application ID: 283451  
CDBS Antenna System ID: 67149

Theoretical pattern RMS: 321.87  
Augmented pattern RMS: 339.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	24.43	27.72	36.49
5	26.22	29.47	38.75
10	27.60	30.82	40.23
15	27.45	30.68	37.98
20	25.53	28.79	34.48
25	23.63	26.94	41.84
30	27.28	30.51	33.52
35	41.00	44.31	44.31
40	63.47	67.47	81.07
45	92.57	97.77	115.70
50	126.87	133.63	133.63
55	165.10	173.68	173.68
60	205.98	216.53	216.53
65	248.15	260.77	260.77
70	290.25	304.94	304.94
75	331.02	347.73	347.73
80	369.34	387.94	387.94
85	404.32	424.67	424.67
90	435.35	457.24	457.24
95	462.09	485.30	485.30
100	484.44	508.77	508.77
105	502.57	527.81	527.81
110	516.82	542.76	542.76
115	527.64	554.13	554.13
120	535.58	562.45	562.45
125	541.16	568.32	568.32
130	544.90	572.25	572.25
135	547.25	574.70	574.70
140	548.51	576.03	576.03
145	548.91	576.45	576.45
150	548.51	576.03	576.03
155	547.25	574.70	574.70
160	544.90	572.25	572.25
165	541.16	568.32	568.32
170	535.58	562.45	562.45
175	527.64	554.13	554.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	516.82	542.76	557.72
185	502.57	527.81	535.97
190	484.44	508.77	508.77
195	462.09	485.30	512.50
200	435.35	457.24	458.60
205	404.32	424.67	429.03
210	369.34	387.94	394.29
215	331.02	347.73	353.04
220	290.25	304.94	306.97
225	248.15	260.77	260.77
230	205.98	216.53	216.53
235	165.10	173.68	173.68
240	126.87	133.63	133.63
245	92.57	97.77	97.77
250	63.47	67.47	67.47
255	41.00	44.31	44.31
260	27.28	30.51	57.94
265	23.63	26.94	41.84
270	25.53	28.79	31.56
275	27.45	30.68	37.98
280	27.60	30.82	40.23
285	26.22	29.47	38.75
290	24.43	27.72	36.49
295	23.63	26.94	35.41
300	24.73	28.01	36.41
305	27.54	30.76	38.89
310	31.03	34.24	41.84
315	34.21	37.43	44.40
320	36.38	39.62	46.09
325	37.14	40.39	46.67
330	36.38	39.62	46.09
335	34.21	37.43	44.40
340	31.03	34.24	41.84
345	27.54	30.76	38.89
350	24.73	28.01	36.41
355	23.63	26.94	35.41

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