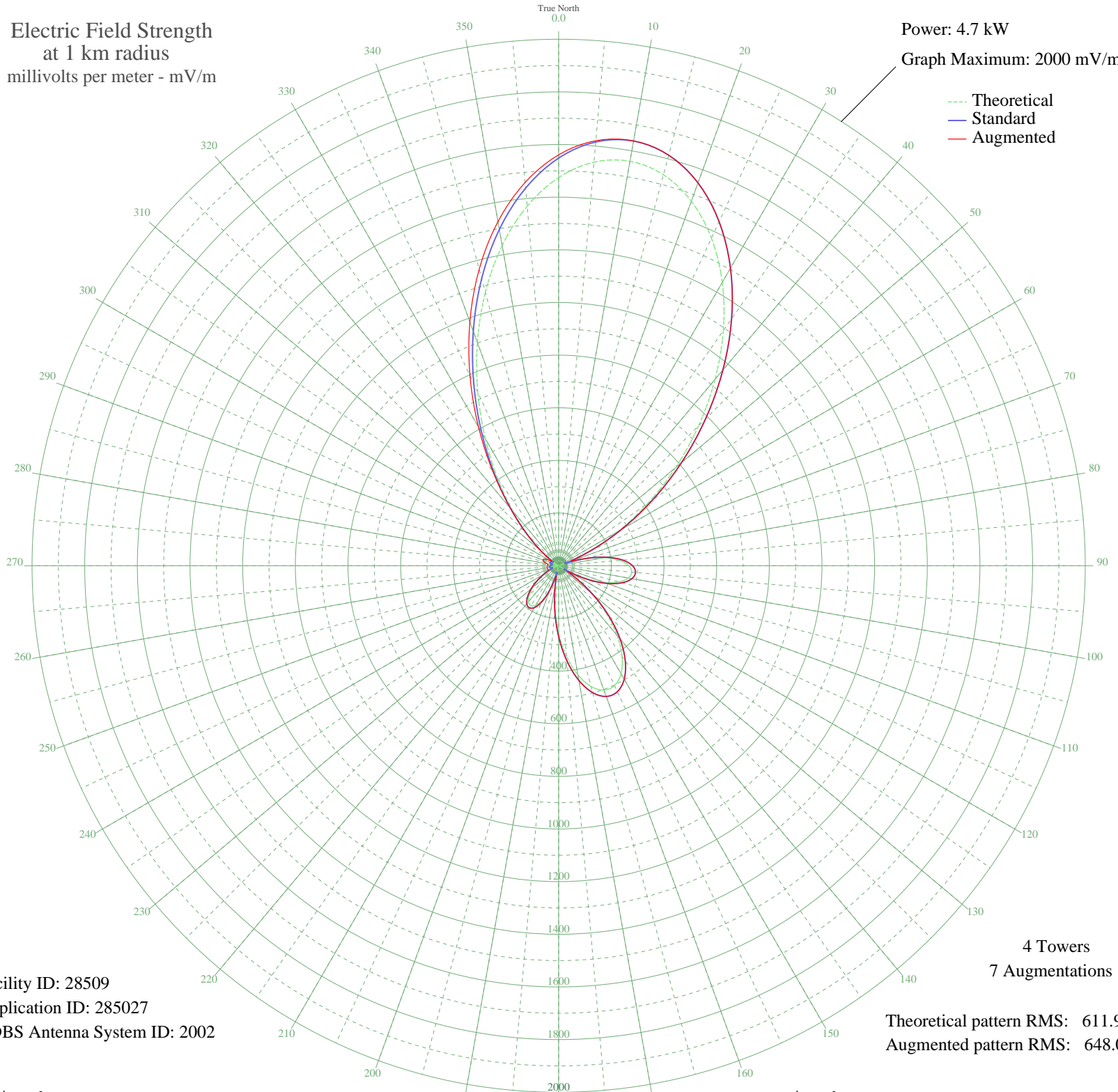


# WKNR CLEVELAND, OH BL-19990512DC 850 kHz

Nighttime

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

Power: 4.7 kW  
Graph Maximum: 2000 mV/m



Facility ID: 28509  
Application ID: 285027  
CDBS Antenna System ID: 2002

Theoretical pattern RMS: 611.93  
Augmented pattern RMS: 648.01

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1474.58	1548.48	1560.79
5	1538.79	1615.89	1620.69
10	1559.99	1638.14	1638.70
15	1537.49	1614.53	1614.53
20	1473.61	1547.45	1547.45
25	1373.15	1441.99	1441.99
30	1242.83	1305.16	1305.16
35	1090.39	1145.14	1145.14
40	923.97	970.43	970.43
45	751.35	789.25	789.25
50	579.58	608.98	608.98
55	414.62	435.95	435.95
60	261.32	275.33	275.33
65	123.36	131.52	134.21
70	3.47	23.05	50.00
75	96.46	103.81	107.20
80	175.18	185.34	185.34
85	231.92	244.58	244.58
90	266.29	280.53	280.53
95	278.26	293.06	293.06
100	268.16	282.48	282.49
105	236.79	249.67	250.02
110	185.59	196.19	197.48
115	116.77	124.70	128.10
120	33.51	41.90	53.15
125	59.97	66.96	74.35
130	158.40	167.87	170.22
135	255.62	269.36	270.17
140	344.93	362.89	363.06
145	419.63	441.20	441.20
150	473.65	497.85	497.85
155	502.25	527.85	527.85
160	502.70	528.33	528.33
165	474.73	498.99	498.99
170	420.70	442.32	442.32
175	345.44	363.43	363.43

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	255.74	269.49	269.49
185	159.53	169.05	169.26
190	64.98	71.93	76.98
195	20.46	31.30	45.10
200	90.87	98.09	100.34
205	142.38	151.22	151.22
210	173.39	183.47	183.47
215	184.45	195.00	195.00
220	177.96	188.24	188.24
225	157.63	167.07	167.07
230	127.88	136.19	136.19
235	93.34	100.62	100.62
240	58.33	65.34	66.27
245	26.51	35.96	44.76
250	0.70	22.78	41.82
255	17.29	29.12	44.84
260	26.65	36.07	44.68
265	27.54	36.80	43.70
270	21.10	31.76	43.07
275	9.30	24.77	39.87
280	5.06	23.37	46.06
285	18.47	29.90	57.15
290	26.83	36.22	63.60
295	25.62	35.24	58.58
300	10.18	25.15	40.31
305	23.96	33.93	35.26
310	80.60	87.64	87.64
315	162.39	172.02	172.02
320	270.26	284.68	284.81
325	403.01	423.77	433.82
330	557.01	585.30	609.21
335	726.19	762.83	796.87
340	902.28	947.66	985.85
345	1075.45	1129.45	1165.92
350	1235.15	1297.11	1327.36
355	1371.16	1439.90	1461.37