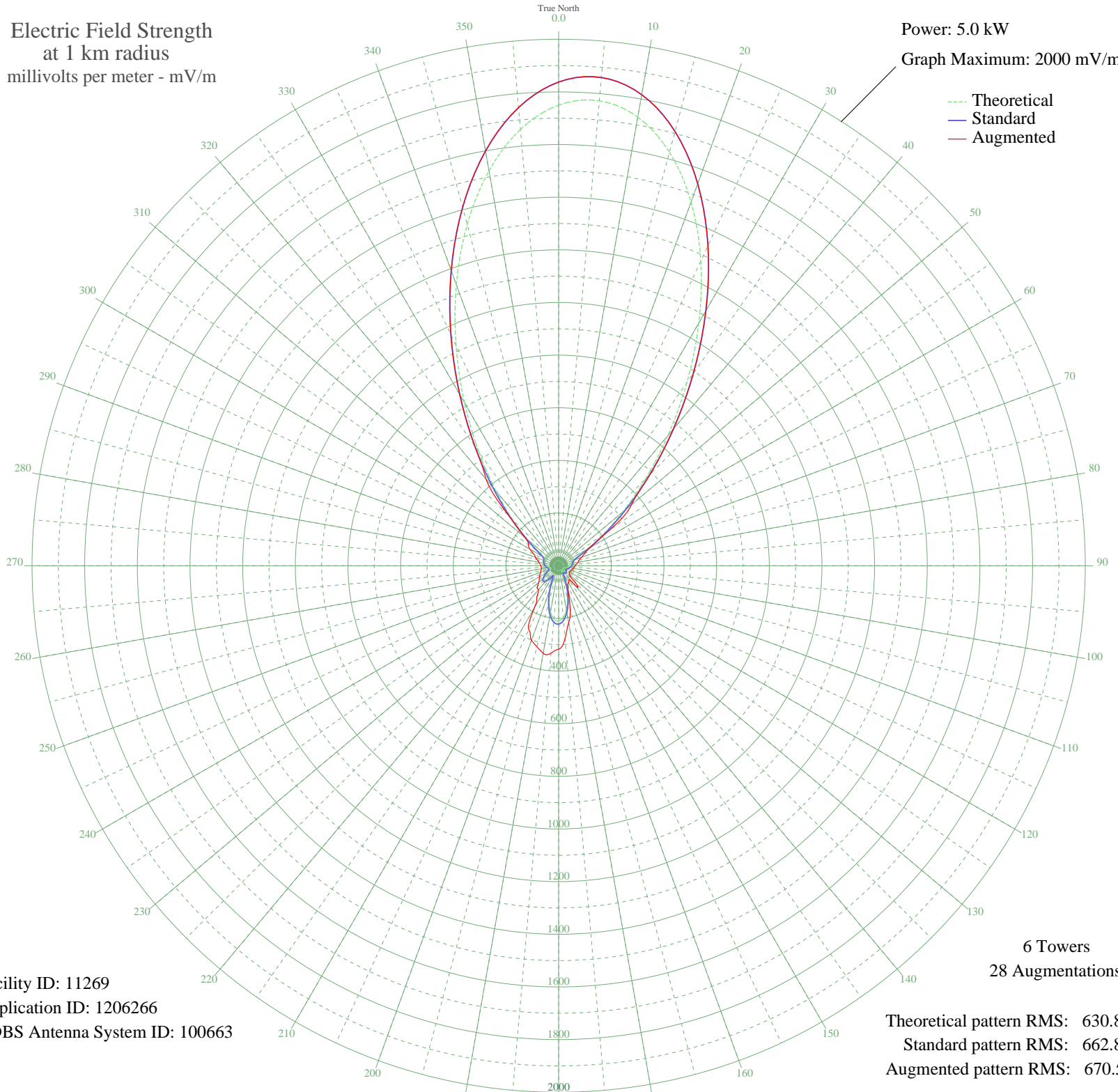


WTVN COLUMBUS, OH BP-20071004ABR 610 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 11269  
Application ID: 1206266  
CDBS Antenna System ID: 100663

Theoretical pattern RMS: 630.86  
Standard pattern RMS: 662.80  
Augmented pattern RMS: 670.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1749.77	1837.41	1837.41
5	1772.81	1861.60	1861.60
10	1730.29	1816.96	1816.96
15	1626.17	1707.64	1707.64
20	1470.43	1544.13	1544.13
25	1277.58	1341.66	1341.66
30	1064.66	1118.14	1118.14
35	848.87	891.62	891.62
40	645.47	678.15	678.15
45	466.16	490.03	490.03
50	318.30	335.04	361.27
55	204.92	216.44	237.68
60	125.60	133.96	138.45
65	77.66	84.86	108.02
70	55.65	62.97	92.14
75	48.80	56.36	79.81
80	46.45	54.13	75.39
85	44.21	52.02	67.48
90	41.31	49.32	63.19
95	37.80	46.12	58.68
100	33.84	42.59	55.79
105	29.56	38.92	53.40
110	25.20	35.38	51.18
115	21.57	32.62	49.04
120	20.52	31.87	46.49
125	23.40	33.98	49.97
130	28.20	37.79	54.72
135	31.15	40.26	58.77
140	28.95	38.41	56.41
145	21.14	32.31	46.43
150	22.53	33.33	49.55
155	49.52	57.05	81.97
160	88.47	95.81	109.93
165	130.86	139.39	169.00
170	169.60	179.62	219.58
175	197.84	209.05	278.08

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.

23 Apr 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	210.10	221.85	317.05
185	203.51	214.97	333.35
190	178.55	188.94	337.96
195	139.16	147.99	318.93
200	92.30	99.72	301.75
205	48.70	56.27	268.60
210	33.81	42.56	184.01
215	53.24	60.63	143.42
220	69.96	77.12	118.36
225	75.46	82.64	114.94
230	70.72	77.88	98.81
235	59.30	66.54	90.07
240	45.71	53.43	84.04
245	34.70	43.35	77.97
250	30.01	39.30	72.91
255	31.39	40.46	70.13
260	35.35	43.92	65.84
265	39.61	47.76	67.00
270	43.50	51.35	67.67
275	46.82	54.48	71.05
280	49.49	57.02	76.93
285	51.38	58.84	82.51
290	52.63	60.04	94.76
295	54.92	62.27	103.35
300	65.09	72.26	126.21
305	95.28	102.77	139.59
310	154.26	163.66	166.91
315	245.58	258.93	265.30
320	370.72	389.96	428.65
325	528.76	555.69	555.69
330	715.28	751.41	751.41
335	921.77	968.15	968.15
340	1135.81	1192.83	1192.83
345	1341.94	1409.23	1409.23
350	1523.31	1599.65	1599.65
355	1663.72	1747.07	1747.07