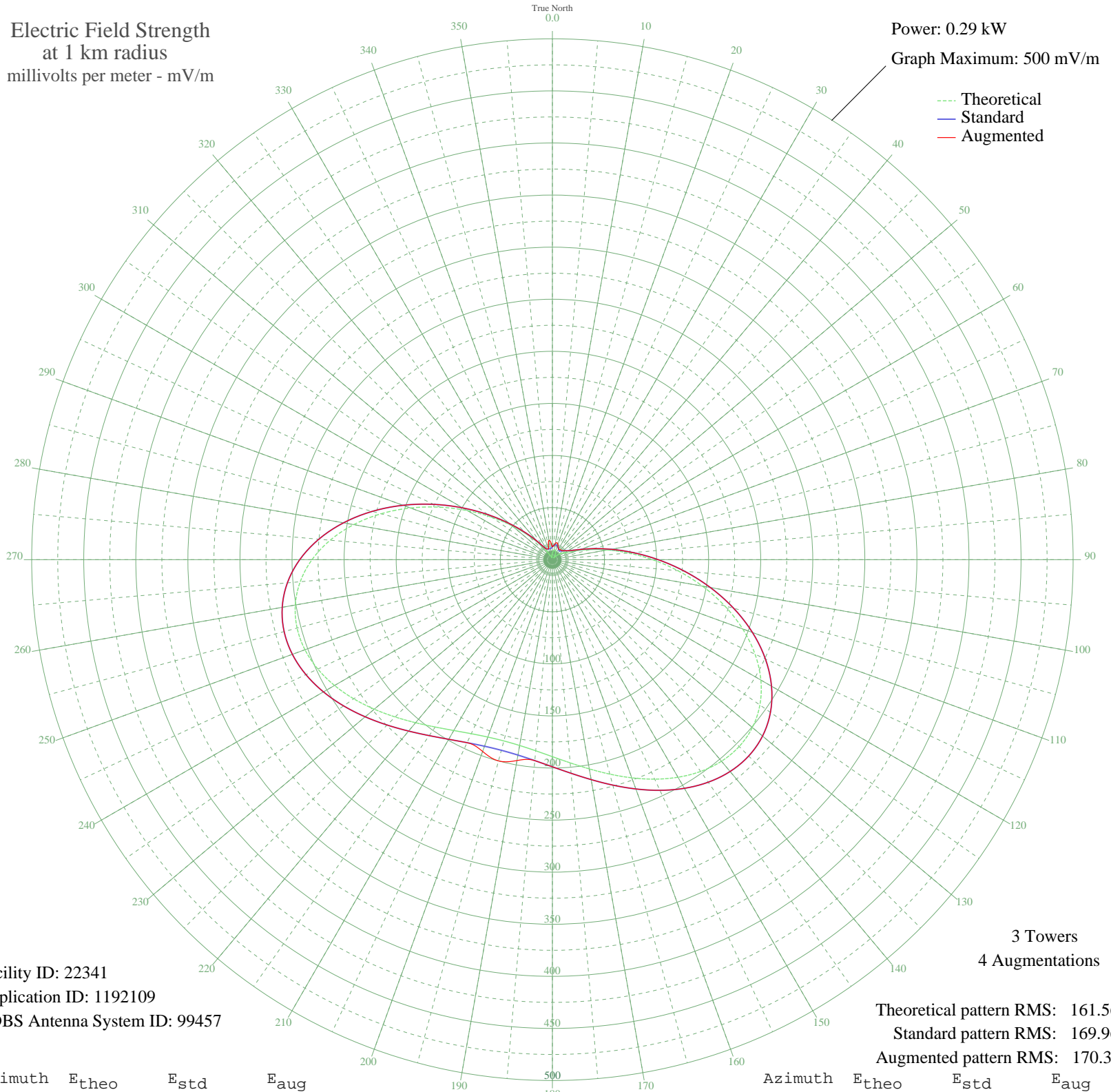


WVKO COLUMBUS, OH 9L-20070615ADX 1580 kHz

Nighttime

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

Power: 0.29 kW
Graph Maximum: 500 mV/m



Facility ID: 22341
Application ID: 1192109
CDBS Antenna System ID: 99457

Theoretical pattern RMS: 161.56
Standard pattern RMS: 169.96
Augmented pattern RMS: 170.32

Azimuth	E _{theo}	E _{std}	E _{aug}
0	6.21	12.36	12.42
5	8.18	13.57	13.57
10	9.42	14.42	15.61
15	9.73	14.65	16.90
20	9.04	14.16	15.36
25	7.42	13.08	13.08
30	5.06	11.77	11.78
35	2.49	10.82	11.73
40	2.50	10.82	12.34
45	5.18	11.83	12.44
50	7.84	13.34	13.34
55	10.20	15.00	15.00
60	12.90	17.14	17.14
65	17.46	21.13	21.13
70	25.43	28.69	28.69
75	37.49	40.74	40.74
80	53.63	57.28	57.28
85	73.42	77.81	77.81
90	96.16	101.51	101.51
95	120.85	127.32	127.32
100	146.31	153.99	153.99
105	171.27	180.14	180.14
110	194.45	204.45	204.45
115	214.71	225.69	225.69
120	231.16	242.94	242.94
125	243.22	255.59	255.59
130	250.67	263.42	263.42
135	253.66	266.55	266.55
140	252.61	265.45	265.45
145	248.18	260.80	260.80
150	241.18	253.46	253.46
155	232.46	244.31	244.31
160	222.86	234.24	234.24
165	213.14	224.04	224.04
170	203.94	214.40	214.40
175	195.80	205.86	205.86

Azimuth	E _{theo}	E _{std}	E _{aug}
180	189.11	198.84	198.84
185	184.16	193.65	193.65
190	181.14	190.49	195.80
195	180.15	189.45	200.00
200	181.24	190.59	195.90
205	184.35	193.85	193.85
210	189.38	199.12	199.12
215	196.13	206.21	206.21
220	204.32	214.80	214.80
225	213.55	224.47	224.47
230	223.28	234.68	234.68
235	232.87	244.74	244.74
240	241.55	253.85	253.85
245	248.50	261.13	261.13
250	252.84	265.69	265.69
255	253.79	266.68	266.68
260	250.68	263.42	263.42
265	243.07	255.44	255.44
270	230.84	242.61	242.61
275	214.20	225.15	225.15
280	193.71	203.67	203.67
285	170.28	179.10	179.10
290	145.02	152.63	152.63
295	119.20	125.60	125.60
300	94.09	99.35	99.35
305	70.84	75.12	75.12
310	50.39	53.94	53.94
315	33.38	36.59	36.59
320	20.19	23.66	23.66
325	10.95	15.57	15.57
330	5.70	12.09	12.09
335	3.92	11.28	11.28
340	3.21	11.03	11.03
345	2.09	10.73	14.74
350	1.86	10.68	18.85
355	3.86	11.26	16.34

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