

WBIG AURORA, IL BL-- 1280 kHz

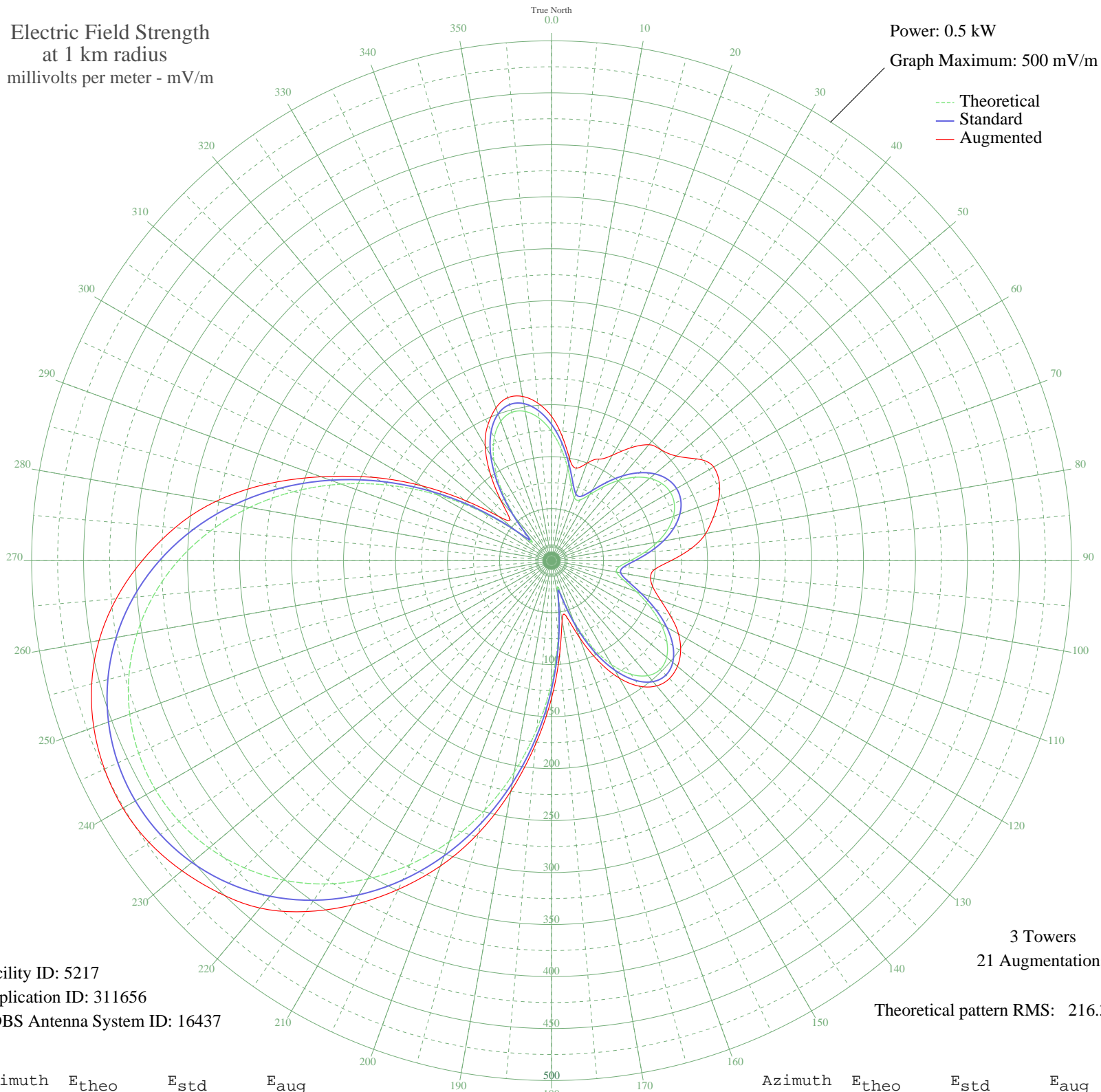
Nighttime

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

Power: 0.5 kW

Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 5217
Application ID: 311656
CDBS Antenna System ID: 16437

3 Towers
21 Augmentations

Theoretical pattern RMS: 216.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	124.47	131.13	138.83
5	107.92	113.82	119.65
10	90.12	95.23	99.78
15	74.17	78.60	92.06
20	64.34	68.39	99.74
25	64.34	68.40	107.83
30	73.29	77.69	117.11
35	86.73	91.69	132.46
40	100.86	106.44	145.59
45	113.43	119.58	150.13
50	123.20	129.80	156.60
55	129.46	136.35	170.64
60	131.85	138.86	180.17
65	130.25	137.18	178.03
70	124.74	131.42	171.00
75	115.64	121.89	161.11
80	103.55	109.25	150.67
85	89.59	94.68	134.91
90	75.76	80.27	114.86
95	65.54	69.64	99.23
100	63.49	67.52	96.71
105	71.56	75.89	101.34
110	86.66	91.62	111.78
115	104.37	110.11	126.37
120	121.37	127.89	141.02
125	135.34	142.51	151.56
130	144.58	152.19	158.09
135	147.85	155.61	160.34
140	144.28	151.87	157.22
145	133.45	140.53	147.45
150	115.37	121.60	130.44
155	90.56	95.69	106.40
160	60.47	64.39	78.63
165	30.79	34.05	55.79
170	35.12	38.40	58.52
175	73.28	77.68	89.98

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 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	117.38	123.71	132.31
185	162.46	170.92	177.47
190	206.64	217.23	225.02
195	248.65	261.30	271.34
200	287.53	302.10	312.60
205	322.59	338.89	348.91
210	353.37	371.19	382.30
215	379.58	398.70	412.01
220	401.07	421.26	436.17
225	417.83	438.85	451.97
230	429.87	451.49	463.94
235	437.25	459.24	472.48
240	440.01	462.13	476.00
245	438.17	460.20	474.38
250	431.72	453.43	468.50
255	420.61	441.77	457.83
260	404.80	425.18	441.87
265	384.25	403.61	420.24
270	358.98	377.08	393.66
275	329.10	345.72	363.51
280	294.87	309.79	327.95
285	256.70	269.75	284.20
290	215.25	226.26	235.95
295	171.41	180.30	189.69
300	126.39	133.14	144.03
305	81.88	86.63	100.39
310	41.62	44.99	65.98
315	27.07	30.37	56.79
320	54.11	57.82	75.95
325	84.89	89.78	103.16
330	110.91	116.95	127.73
335	130.41	137.34	144.51
340	142.70	150.22	156.34
345	147.70	155.45	162.35
350	145.74	153.40	160.40
355	137.61	144.89	152.19