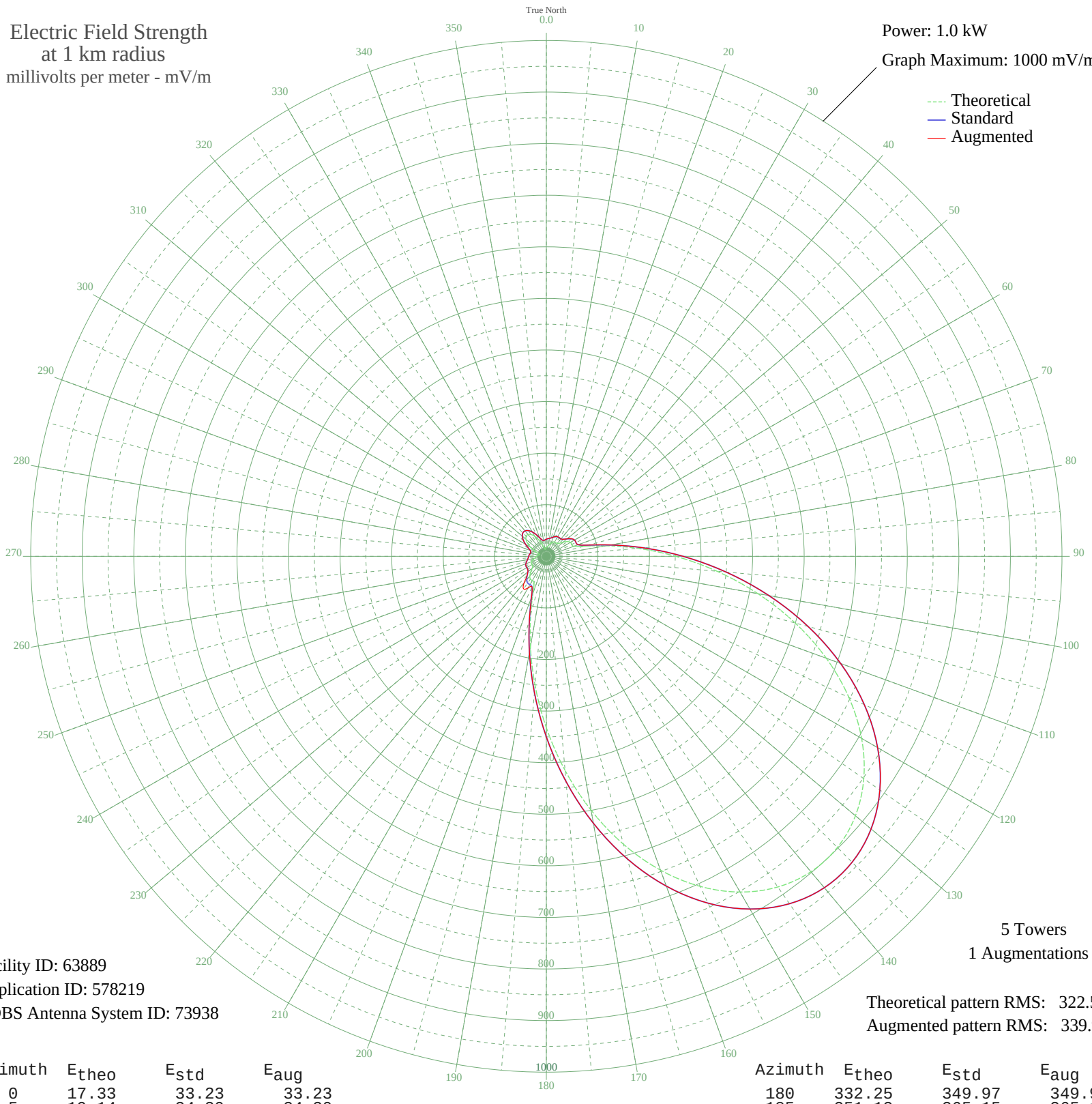
WKOK SUNBURY, PA BL-20010814ABG 1070 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

5 Towers
1 Augmentations

Facility ID: 63889
Application ID: 578219
CDBS Antenna System ID: 73938

Theoretical pattern RMS: 322.55
Augmented pattern RMS: 339.90

Azimuth	E_{theo}	E_{std}	E_{aug}
0	17.33	33.23	33.23
5	19.14	34.30	34.30
10	20.76	35.33	35.33
15	23.37	37.08	37.08
20	27.01	39.71	39.71
25	30.38	42.31	42.31
30	32.16	43.74	43.74
35	32.26	43.82	43.82
40	32.52	44.03	44.03
45	35.81	46.76	46.76
50	42.59	52.65	52.65
55	49.81	59.23	59.23
60	53.98	63.13	63.13
65	54.24	63.38	63.38
70	56.71	65.71	65.71
75	75.64	84.14	84.14
80	117.55	126.52	126.52
85	177.92	188.87	188.87
90	251.13	265.15	265.15
95	332.25	349.97	349.97
100	416.59	438.30	438.30
105	499.76	525.49	525.49
110	577.84	607.37	607.37
115	647.48	680.42	680.42
120	706.04	741.86	741.86
125	751.52	789.59	789.59
130	782.55	822.15	822.15
135	798.27	838.64	838.64
140	798.27	838.64	838.64
145	782.55	822.15	822.15
150	751.52	789.59	789.59
155	706.04	741.86	741.86
160	647.48	680.42	680.42
165	577.84	607.37	607.37
170	499.77	525.49	525.49
175	416.59	438.30	438.30

Azimuth	E_{theo}	E_{std}	E_{aug}
180	332.25	349.97	349.97
185	251.13	265.15	265.15
190	177.92	188.87	188.87
195	117.55	126.52	126.52
200	75.64	84.14	84.14
205	56.71	65.72	65.72
210	54.24	63.38	70.63
215	53.98	63.13	77.00
220	49.81	59.23	66.93
225	42.59	52.65	52.65
230	35.81	46.76	46.76
235	32.52	44.03	44.03
240	32.26	43.82	43.82
245	32.16	43.74	43.74
250	30.38	42.31	42.31
255	27.01	39.71	39.71
260	23.37	37.08	37.08
265	20.76	35.33	35.33
270	19.14	34.30	34.30
275	17.33	33.23	33.23
280	14.77	31.83	31.83
285	13.41	31.16	31.16
290	17.20	33.15	33.15
295	25.61	38.68	38.68
300	35.50	46.50	46.50
305	44.66	54.51	54.51
310	51.58	60.88	60.88
315	55.30	64.37	64.37
320	55.30	64.37	64.37
325	51.58	60.88	60.88
330	44.66	54.51	54.51
335	35.50	46.50	46.50
340	25.61	38.68	38.68
345	17.20	33.15	33.15
350	13.41	31.16	31.16
355	14.77	31.83	31.83

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

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Federal Communications Commission