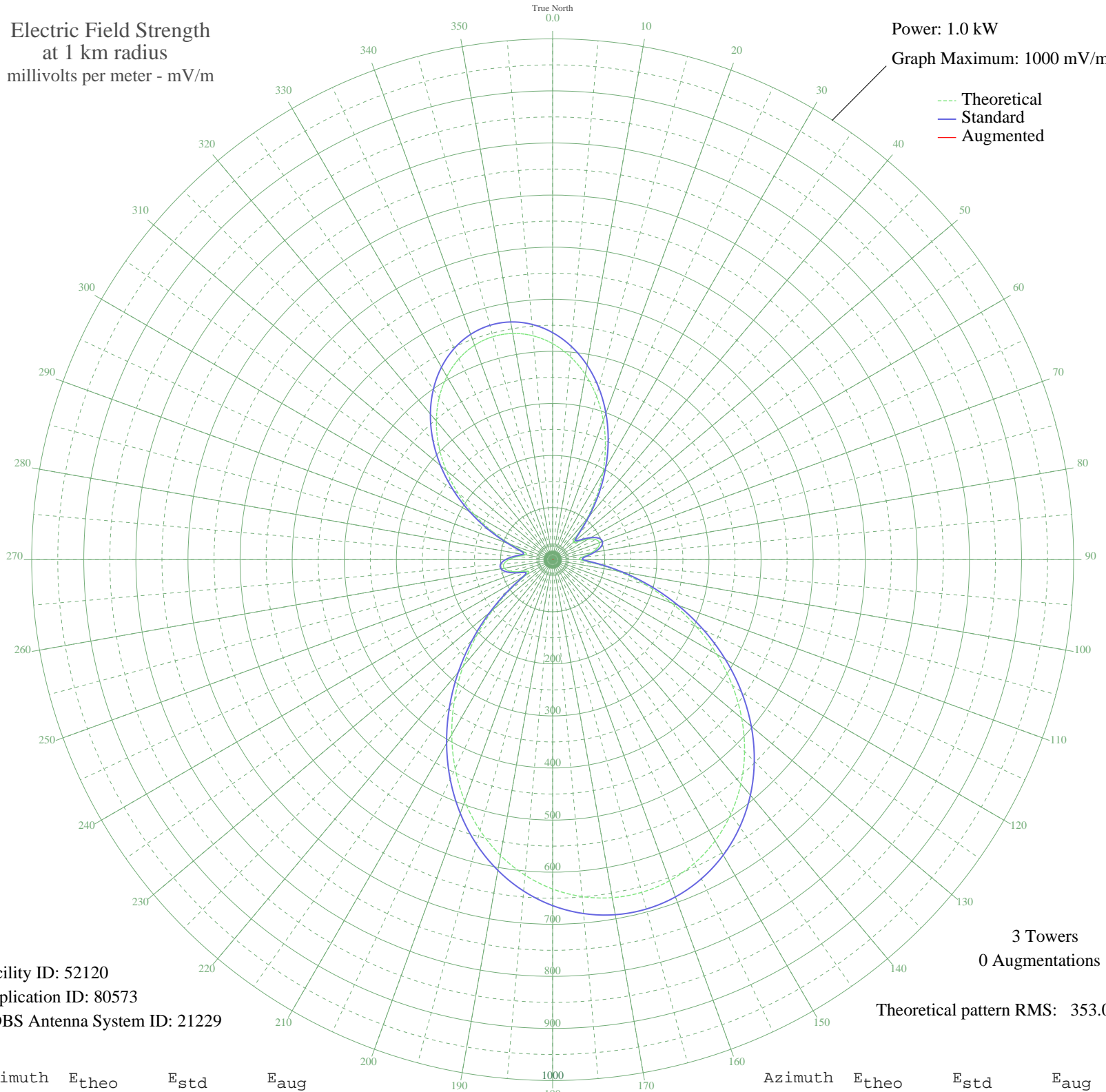


WELM ELMIRA, NY BL-19850730AC 1410 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 52120
Application ID: 80573
CDBS Antenna System ID: 21229

3 Towers
0 Augmentations
Theoretical pattern RMS: 353.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	414.73	435.87	
5	391.10	411.07	
10	361.00	379.51	
15	325.08	341.84	
20	284.23	299.02	
25	239.63	252.30	
30	192.83	203.33	
35	145.88	154.31	
40	101.79	108.49	
45	66.18	71.94	
50	51.02	56.72	
55	61.07	66.78	
60	78.45	84.45	
65	91.20	97.56	
70	95.30	101.79	
75	89.65	95.96	
80	75.21	81.14	
85	57.11	62.79	
90	52.88	58.57	
95	80.33	86.38	
100	127.44	135.10	
105	183.32	193.38	
110	243.21	256.05	
115	304.22	319.98	
120	364.11	382.77	
125	421.10	442.55	
130	473.76	497.80	
135	521.00	547.37	
140	562.02	590.42	
145	596.30	626.39	
150	623.50	654.94	
155	643.43	675.86	
160	656.01	689.06	
165	661.19	694.50	
170	658.97	692.17	
175	649.35	682.07	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	632.35	664.23	
185	608.04	638.72	
190	576.57	605.68	
195	538.19	565.41	
200	493.36	518.36	
205	442.75	465.27	
210	387.35	407.14	
215	328.42	345.34	
220	267.62	281.62	
225	206.98	218.12	
230	149.07	157.63	
235	97.65	104.21	
240	60.36	66.06	
245	52.18	57.87	
250	67.83	73.62	
255	84.79	90.95	
260	94.21	100.66	
265	93.99	100.43	
270	84.43	90.58	
275	68.09	73.88	
280	52.84	58.53	
285	56.81	62.49	
290	86.04	92.24	
295	127.68	135.35	
300	173.93	183.58	
305	221.07	232.87	
310	266.76	280.72	
315	309.27	325.27	
320	347.29	365.13	
325	379.80	399.23	
330	406.09	426.80	
335	425.62	447.29	
340	438.06	460.34	
345	443.22	465.75	
350	441.01	463.43	
355	431.46	453.42	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission