

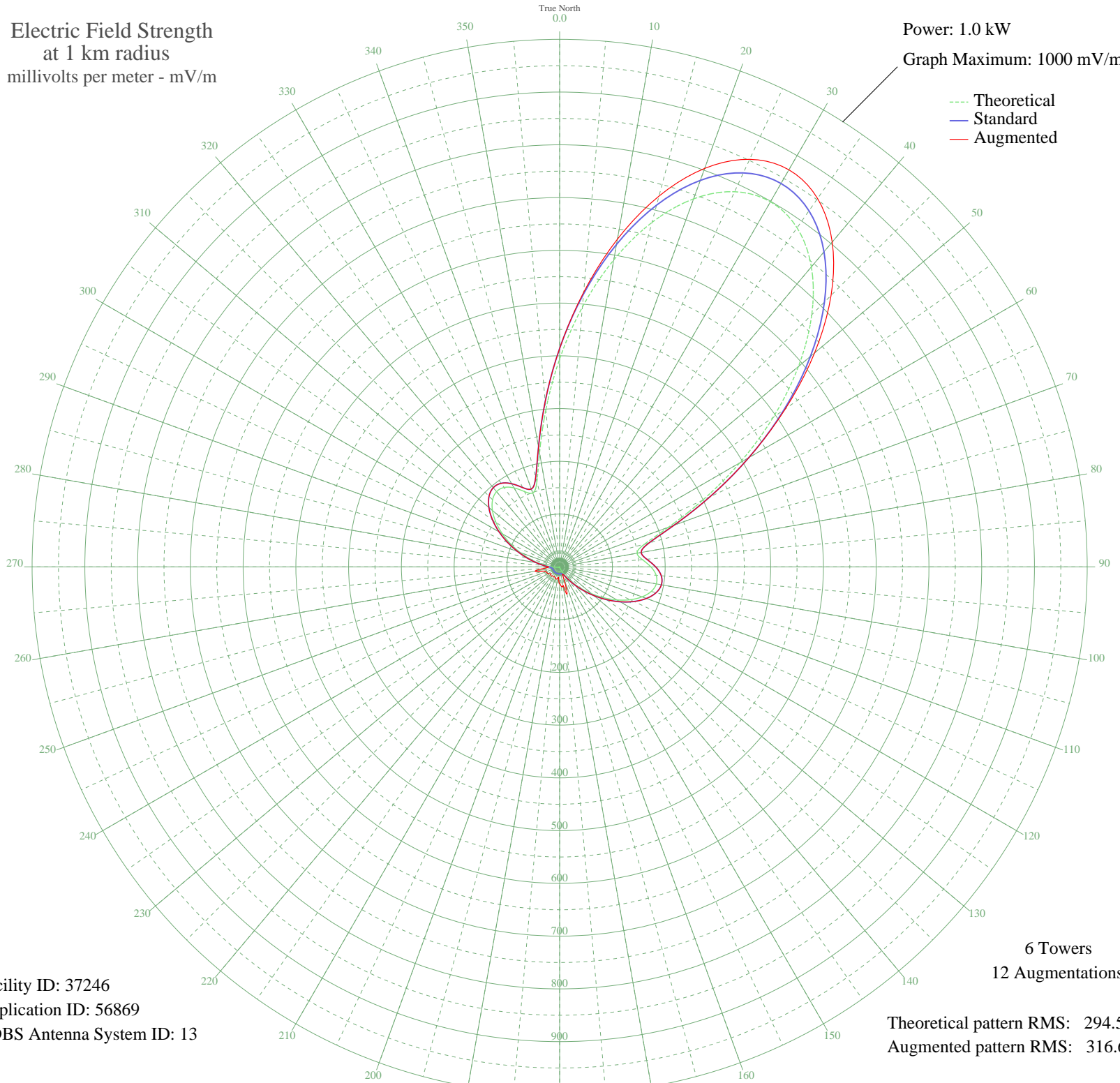
WCFJ CHICAGO HEIGHTS, IL BL-19830513AC 1470 kHz

Daytime

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

Power: 1.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 37246  
Application ID: 56869  
CDBS Antenna System ID: 13

Theoretical pattern RMS: 294.51  
Augmented pattern RMS: 316.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	394.13	414.05	414.05
5	494.27	519.16	522.44
10	590.86	620.55	630.75
15	675.89	709.81	727.58
20	742.33	779.56	803.75
25	784.59	823.93	852.35
30	799.10	839.16	869.05
35	784.59	823.93	852.35
40	742.33	779.56	803.75
45	675.89	709.82	727.58
50	590.86	620.55	630.75
55	494.27	519.16	522.44
60	394.13	414.05	414.05
65	299.19	314.44	314.44
70	219.42	230.78	230.78
75	166.59	175.44	175.44
80	148.98	157.01	157.01
85	157.41	165.82	165.82
90	172.83	181.97	181.97
95	183.68	193.33	193.33
100	186.06	195.82	195.82
105	179.79	189.26	189.26
110	166.26	175.09	175.09
115	147.45	155.40	155.40
120	125.45	132.40	132.40
125	102.24	108.19	108.19
130	79.53	84.58	84.58
135	58.70	63.08	63.08
140	40.75	44.84	44.84
145	26.31	30.69	30.69
150	15.58	21.14	21.14
155	8.44	16.05	16.05
160	4.33	14.14	17.30
165	2.27	13.60	53.73
170	1.01	13.43	35.55
175	0.12	13.39	37.11

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

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	0.82	13.42	32.19
185	1.06	13.43	22.26
190	0.71	13.41	21.96
195	0.12	13.39	24.14
200	1.04	13.43	23.38
205	1.79	13.52	21.77
210	2.07	13.56	20.92
215	1.79	13.52	21.55
220	1.04	13.43	22.76
225	0.12	13.39	23.34
230	0.71	13.41	21.31
235	1.06	13.43	22.66
240	0.82	13.42	25.75
245	0.12	13.39	26.55
250	1.01	13.43	27.36
255	2.27	13.60	31.11
260	4.33	14.14	47.45
265	8.44	16.05	27.50
270	15.58	21.14	21.14
275	26.31	30.69	30.69
280	40.75	44.84	44.84
285	58.70	63.08	63.08
290	79.53	84.58	84.58
295	102.24	108.19	108.19
300	125.45	132.40	132.40
305	147.45	155.40	155.40
310	166.26	175.09	175.09
315	179.79	189.26	189.26
320	186.06	195.82	195.82
325	183.68	193.33	193.33
330	172.83	181.97	181.97
335	157.41	165.82	165.82
340	148.98	157.01	157.01
345	166.59	175.44	175.44
350	219.42	230.78	230.78
355	299.19	314.44	314.44