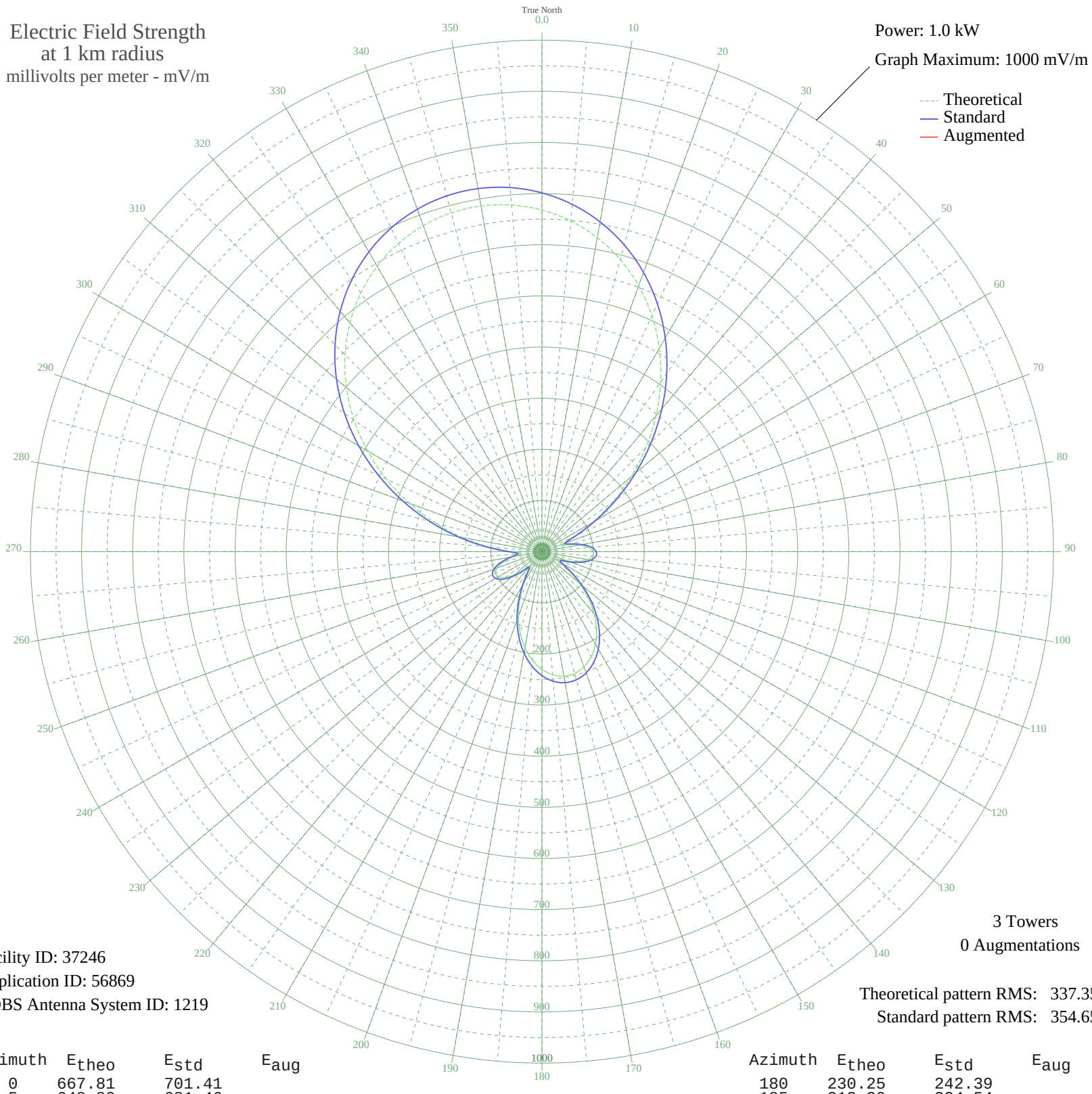
WCFJ CHICAGO HEIGHTS, IL BL-19830513AC 1470 kHz

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

3 Towers
0 Augmentations

Facility ID: 37246
Application ID: 56869
CDBS Antenna System ID: 1219

Theoretical pattern RMS: 337.35
Standard pattern RMS: 354.65

Azimuth	E_{theo}	E_{std}	E_{aug}
0	667.81	701.41	
5	648.80	681.46	
10	623.23	654.63	
15	591.20	621.00	
20	552.87	580.78	
25	508.61	534.32	
30	458.97	482.23	
35	404.75	425.35	
40	347.04	364.82	
45	287.22	302.09	
50	226.95	238.93	
55	168.22	177.50	
60	113.61	120.56	
65	67.48	72.97	
70	42.31	47.74	
75	52.49	57.82	
80	74.12	79.76	
85	91.05	97.18	
90	99.67	106.10	
95	99.34	105.76	
100	90.55	96.67	
105	74.59	80.24	
110	54.00	59.33	
115	35.67	41.33	
120	38.55	44.08	
125	63.83	69.26	
130	95.62	101.91	
135	128.01	135.54	
140	158.63	167.48	
145	186.02	196.10	
150	209.16	220.31	
155	227.28	239.28	
160	239.85	252.45	
165	246.53	259.44	
170	247.14	260.08	
175	241.66	254.35	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	230.25	242.39	
185	213.20	224.54	
190	191.02	201.33	
195	164.40	173.51	
200	134.33	142.13	
205	102.15	108.67	
210	69.96	75.50	
215	42.47	47.90	
220	33.83	39.59	
225	49.76	55.09	
230	70.72	76.29	
235	87.87	93.91	
240	98.23	104.61	
245	100.31	106.77	
250	93.48	99.69	
255	78.08	83.82	
260	56.76	62.10	
265	41.81	47.25	
270	60.07	65.45	
275	103.50	110.07	
280	156.87	165.64	
285	215.01	226.43	
290	275.14	289.43	
295	335.20	352.39	
300	393.45	413.49	
305	448.46	471.21	
310	499.09	524.33	
315	544.48	571.97	
320	584.02	613.47	
325	617.34	648.44	
330	644.21	676.64	
335	664.53	697.97	
340	678.29	712.41	
345	685.48	719.97	
350	686.14	720.66	
355	680.25	714.47	

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