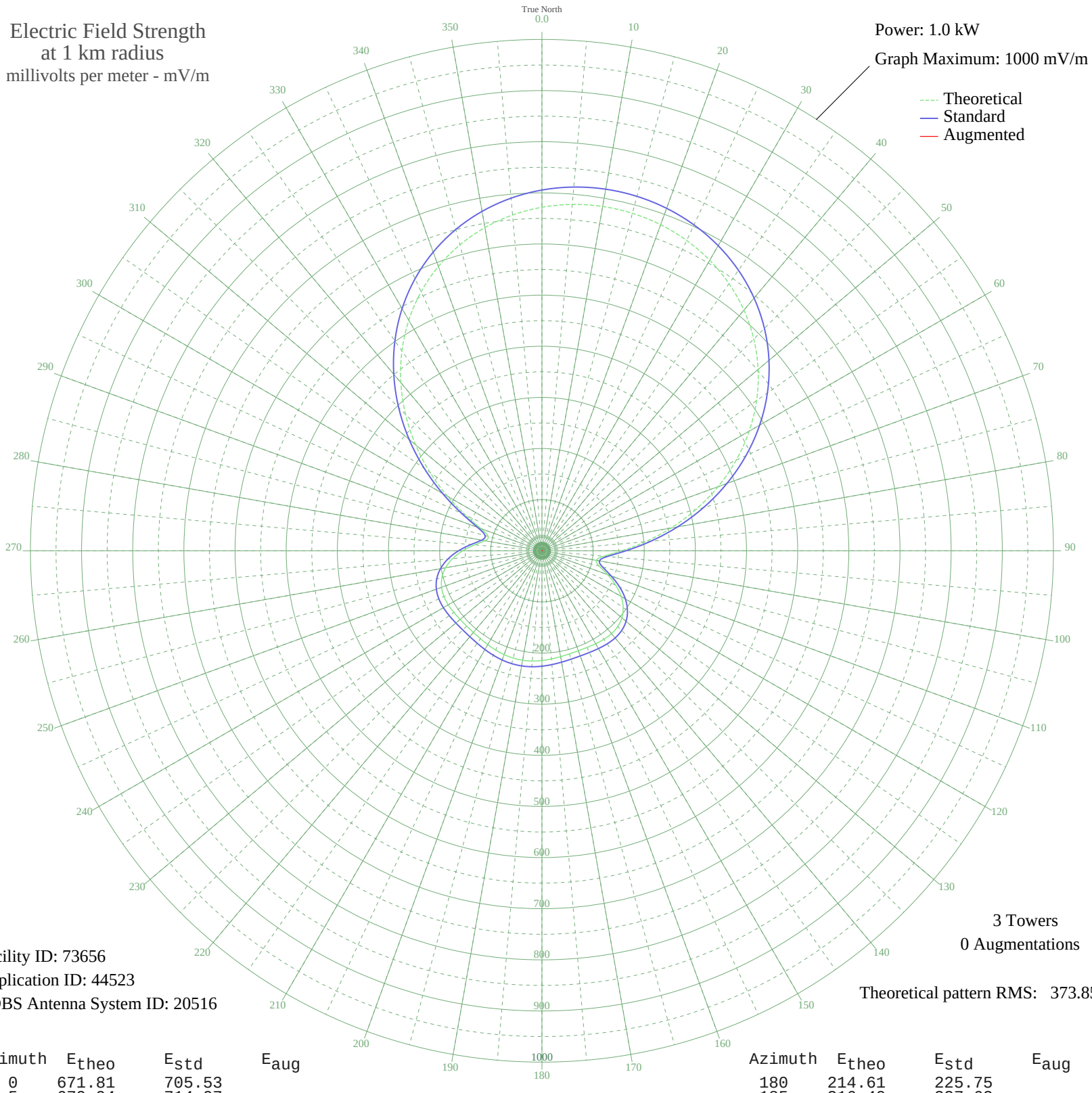
KSUM FAIRMONT, MN BL-19820628AI 1370 kHz

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: 73656
Application ID: 44523
CDBS Antenna System ID: 20516

Theoretical pattern RMS: 373.85

Azimuth	E_{theo}	E_{std}	E_{aug}
0	671.81	705.53	
5	679.94	714.07	
10	683.76	718.07	
15	683.33	717.63	
20	678.67	712.73	
25	669.65	703.26	
30	656.09	689.03	
35	637.75	669.77	
40	614.36	645.22	
45	585.71	615.15	
50	551.68	579.43	
55	512.31	538.10	
60	467.87	491.45	
65	418.91	440.07	
70	366.34	384.89	
75	311.46	327.31	
80	256.12	269.26	
85	202.93	213.51	
90	155.89	164.24	
95	121.47	128.26	
100	107.90	114.10	
105	116.28	122.84	
110	136.60	144.07	
115	159.11	167.61	
120	178.87	188.30	
125	193.96	204.11	
130	204.03	214.66	
135	209.57	220.46	
140	211.57	222.56	
145	211.26	222.24	
150	209.91	220.82	
155	208.60	219.45	
160	208.07	218.89	
165	208.64	219.49	
170	210.21	221.13	
175	212.38	223.41	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	214.61	225.75	
185	216.40	227.62	
190	217.33	228.60	
195	217.23	228.49	
200	216.10	227.30	
205	214.19	225.30	
210	211.92	222.93	
215	209.83	220.74	
220	208.44	219.28	
225	208.09	218.92	
230	208.82	219.67	
235	210.21	221.13	
240	211.45	222.43	
245	211.40	222.38	
250	208.78	219.64	
255	202.40	212.95	
260	191.35	201.37	
265	175.26	184.52	
270	154.73	163.03	
275	132.12	139.39	
280	113.26	119.68	
285	108.69	114.92	
290	126.93	133.96	
295	164.54	173.29	
300	213.23	224.30	
305	267.11	280.79	
310	322.54	338.93	
315	377.08	396.17	
320	429.03	450.68	
325	477.15	501.18	
330	520.61	546.80	
335	558.92	587.02	
340	591.87	621.61	
345	619.45	650.57	
350	641.81	674.04	
355	659.18	692.27	

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