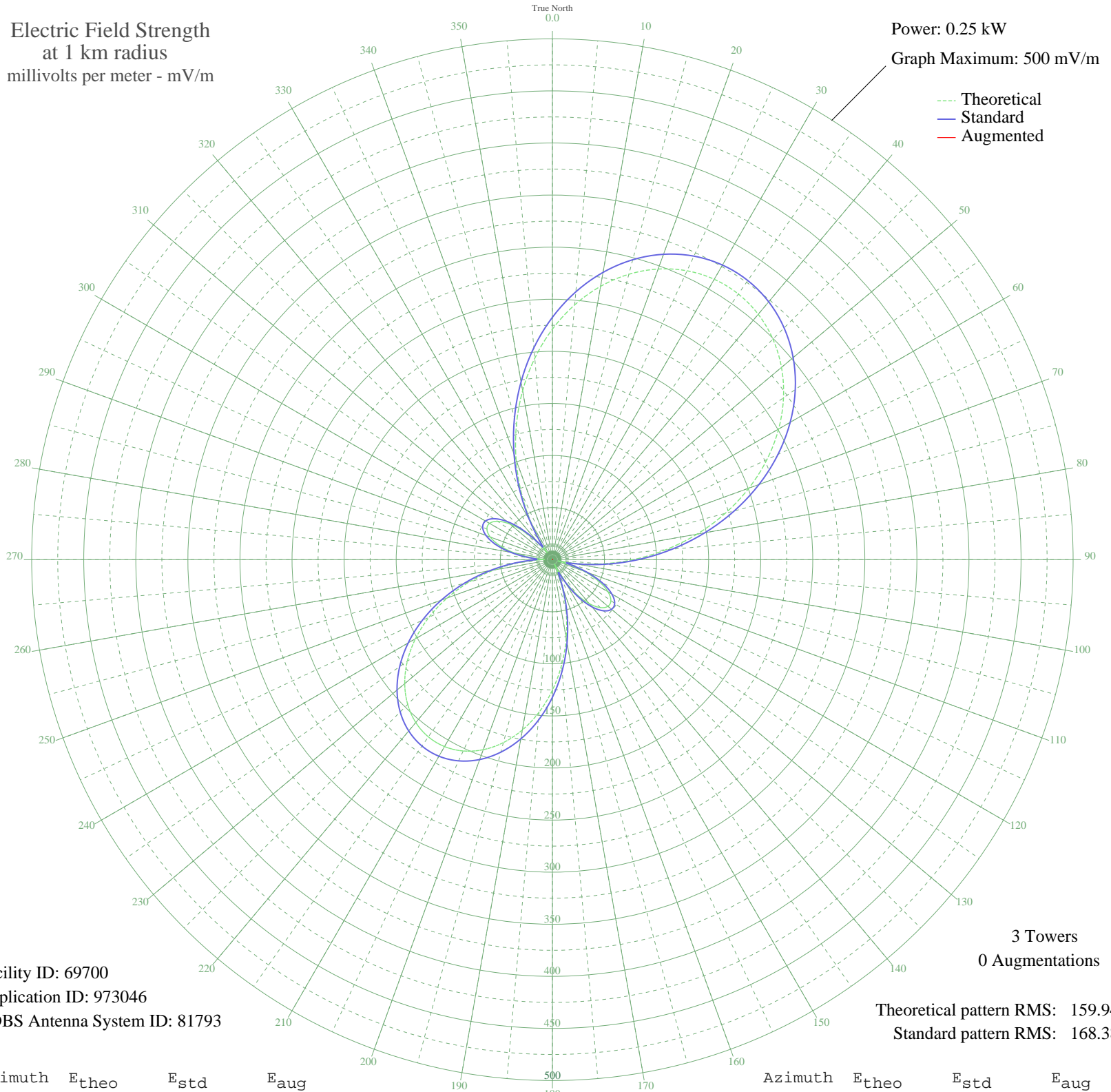


WSPY MILLBROOK, IL BMJP-20040127ACW 1480 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 69700  
Application ID: 973046  
CDBS Antenna System ID: 81793

3 Towers  
0 Augmentations

Theoretical pattern RMS: 159.94  
Standard pattern RMS: 168.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	221.25	232.64	
5	245.53	258.09	
10	266.44	280.03	
15	283.65	298.08	
20	296.88	311.97	
25	305.97	321.50	
30	310.80	326.57	
35	311.31	327.11	
40	307.51	323.12	
45	299.43	314.64	
50	287.17	301.78	
55	270.89	284.70	
60	250.82	263.65	
65	227.31	238.99	
70	200.78	211.18	
75	171.80	180.81	
80	141.05	148.61	
85	109.32	115.44	
90	77.54	82.33	
95	46.70	50.55	
100	18.11	22.64	
105	10.20	16.29	
110	31.58	35.36	
115	49.19	53.09	
120	61.66	65.90	
125	68.54	73.01	
130	69.64	74.15	
135	65.06	69.41	
140	55.13	59.18	
145	40.44	44.20	
150	21.83	26.00	
155	4.43	13.14	
160	25.26	29.23	
165	50.58	54.51	
170	76.32	81.07	
175	101.51	107.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	125.30	132.13	
185	146.99	154.83	
190	165.99	174.72	
195	181.82	191.31	
200	194.12	204.20	
205	202.63	213.12	
210	207.17	217.88	
215	207.66	218.39	
220	204.08	214.64	
225	196.51	206.70	
230	185.10	194.74	
235	170.09	179.02	
240	151.82	159.88	
245	130.74	137.82	
250	107.41	113.45	
255	82.53	87.53	
260	56.93	61.02	
265	31.63	35.41	
270	9.45	15.79	
275	17.96	22.51	
280	36.84	40.59	
285	52.44	56.41	
290	63.51	67.81	
295	69.40	73.90	
300	69.68	74.19	
305	64.21	68.53	
310	53.11	57.10	
315	36.85	40.59	
320	16.75	21.45	
325	13.53	18.78	
330	40.05	43.81	
335	70.27	74.79	
340	101.83	107.62	
345	133.61	140.83	
350	164.64	173.31	
355	194.10	204.17	

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