

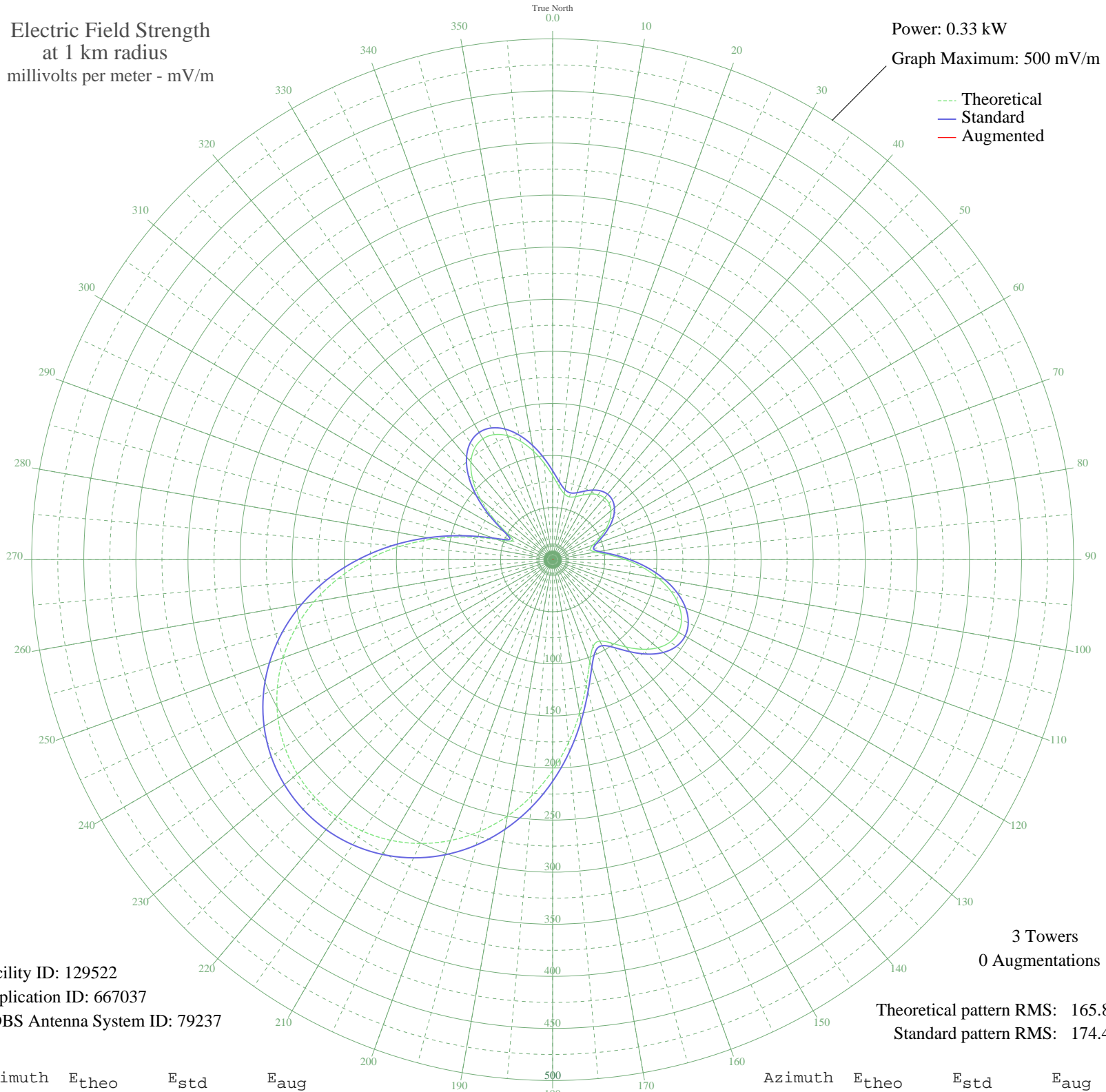
WXNH JAFFREY, NH BNP-20001023ACT 540 kHz

Nighttime

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

Power: 0.33 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 129522
Application ID: 667037
CDBS Antenna System ID: 79237

3 Towers
0 Augmentations

Theoretical pattern RMS: 165.87
Standard pattern RMS: 174.48

Azimuth	E _{theo}	E _{std}	E _{aug}
0	80.68	85.36	
5	70.54	74.81	
10	64.19	68.21	
15	62.37	66.32	
20	64.37	68.40	
25	68.44	72.62	
30	72.78	77.13	
35	76.07	80.56	
40	77.47	82.02	
45	76.52	81.03	
50	73.02	77.38	
55	67.04	71.17	
60	58.95	62.78	
65	49.66	53.19	
70	41.17	44.48	
75	37.31	40.55	
80	41.92	45.26	
85	54.03	57.70	
90	69.96	74.21	
95	86.98	91.93	
100	103.31	108.98	
105	117.65	123.98	
110	128.95	135.81	
115	136.39	143.60	
120	139.41	146.76	
125	137.76	145.03	
130	131.60	138.58	
135	121.65	128.17	
140	109.42	115.37	
145	97.57	102.99	
150	90.24	95.33	
155	91.91	97.08	
160	104.14	109.85	
165	124.51	131.16	
170	149.41	157.23	
175	175.99	185.09	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	202.38	212.76	
185	227.33	238.93	
190	250.05	262.76	
195	270.01	283.70	
200	286.91	301.44	
205	300.61	315.82	
210	311.04	326.76	
215	318.17	334.25	
220	322.03	338.29	
225	322.60	338.89	
230	319.88	336.04	
235	313.84	329.70	
240	304.42	319.81	
245	291.58	306.34	
250	275.28	289.24	
255	255.57	268.55	
260	232.54	244.39	
265	206.44	217.02	
270	177.69	186.87	
275	146.91	154.61	
280	115.09	121.30	
285	83.86	88.68	
290	56.65	60.40	
295	42.29	45.63	
300	50.12	53.66	
305	69.82	74.06	
310	90.59	95.70	
315	108.50	114.41	
320	122.03	128.56	
325	130.55	137.48	
330	133.94	141.03	
335	132.45	139.47	
340	126.66	133.40	
345	117.39	123.70	
350	105.73	111.51	
355	92.98	98.19	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission