

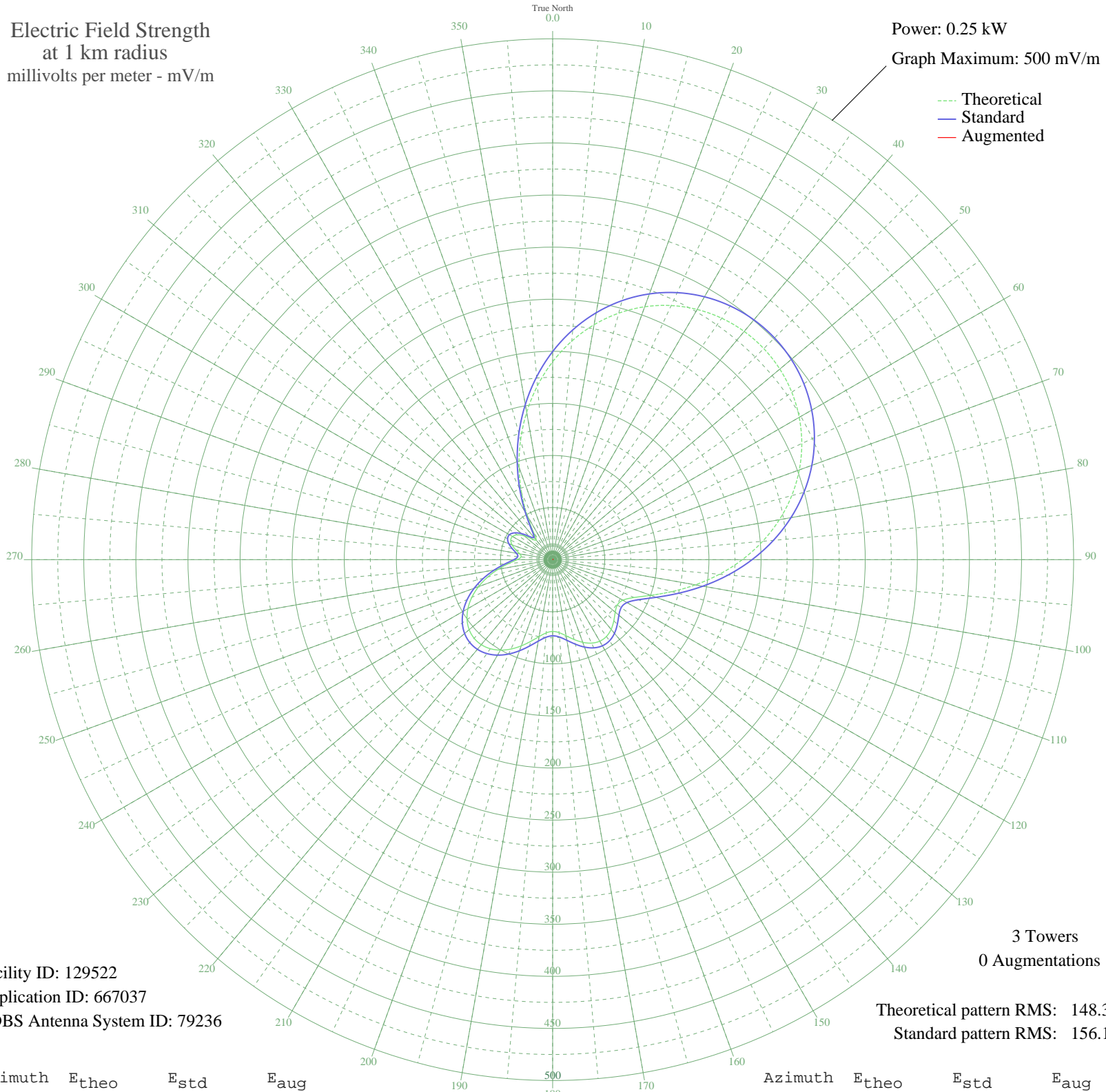
WXNH JAFFREY, NH BNP-20001023ACT 540 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 129522  
Application ID: 667037  
CDBS Antenna System ID: 79236

3 Towers  
0 Augmentations

Theoretical pattern RMS: 148.39  
Standard pattern RMS: 156.16

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	190.01	199.78	
5	210.62	221.40	
10	229.01	240.69	
15	244.97	257.43	
20	258.37	271.49	
25	269.16	282.81	
30	277.34	291.39	
35	282.94	297.28	
40	286.01	300.49	
45	286.56	301.07	
50	284.62	299.04	
55	280.19	294.39	
60	273.26	287.12	
65	263.83	277.22	
70	251.92	264.72	
75	237.58	249.68	
80	220.97	232.25	
85	202.32	212.70	
90	182.04	191.43	
95	160.70	169.06	
100	139.12	146.45	
105	118.43	124.80	
110	100.13	105.66	
115	86.04	90.95	
120	77.81	82.37	
125	75.80	80.28	
130	78.40	82.99	
135	82.99	87.77	
140	87.33	92.30	
145	90.01	95.09	
150	90.38	95.48	
155	88.39	93.40	
160	84.44	89.28	
165	79.33	83.95	
170	74.18	78.59	
175	70.31	74.57	

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	68.92	73.12	
185	70.57	74.84	
190	74.97	79.41	
195	81.16	85.87	
200	88.05	93.05	
205	94.67	99.96	
210	100.27	105.81	
215	104.35	110.07	
220	106.55	112.36	
225	106.65	112.48	
230	104.57	110.30	
235	100.28	105.82	
240	93.89	99.14	
245	85.57	90.46	
250	75.65	80.12	
255	64.59	68.63	
260	53.11	56.74	
265	42.32	45.66	
270	34.00	37.21	
275	30.38	33.58	
280	32.07	35.28	
285	36.71	39.95	
290	41.42	44.74	
295	44.37	47.75	
300	44.54	47.93	
305	41.53	44.85	
310	35.57	38.80	
315	28.23	31.45	
320	24.60	27.88	
325	32.03	35.24	
330	48.88	52.39	
335	70.40	74.66	
340	94.19	99.46	
345	118.92	125.31	
350	143.62	151.17	
355	167.52	176.21	