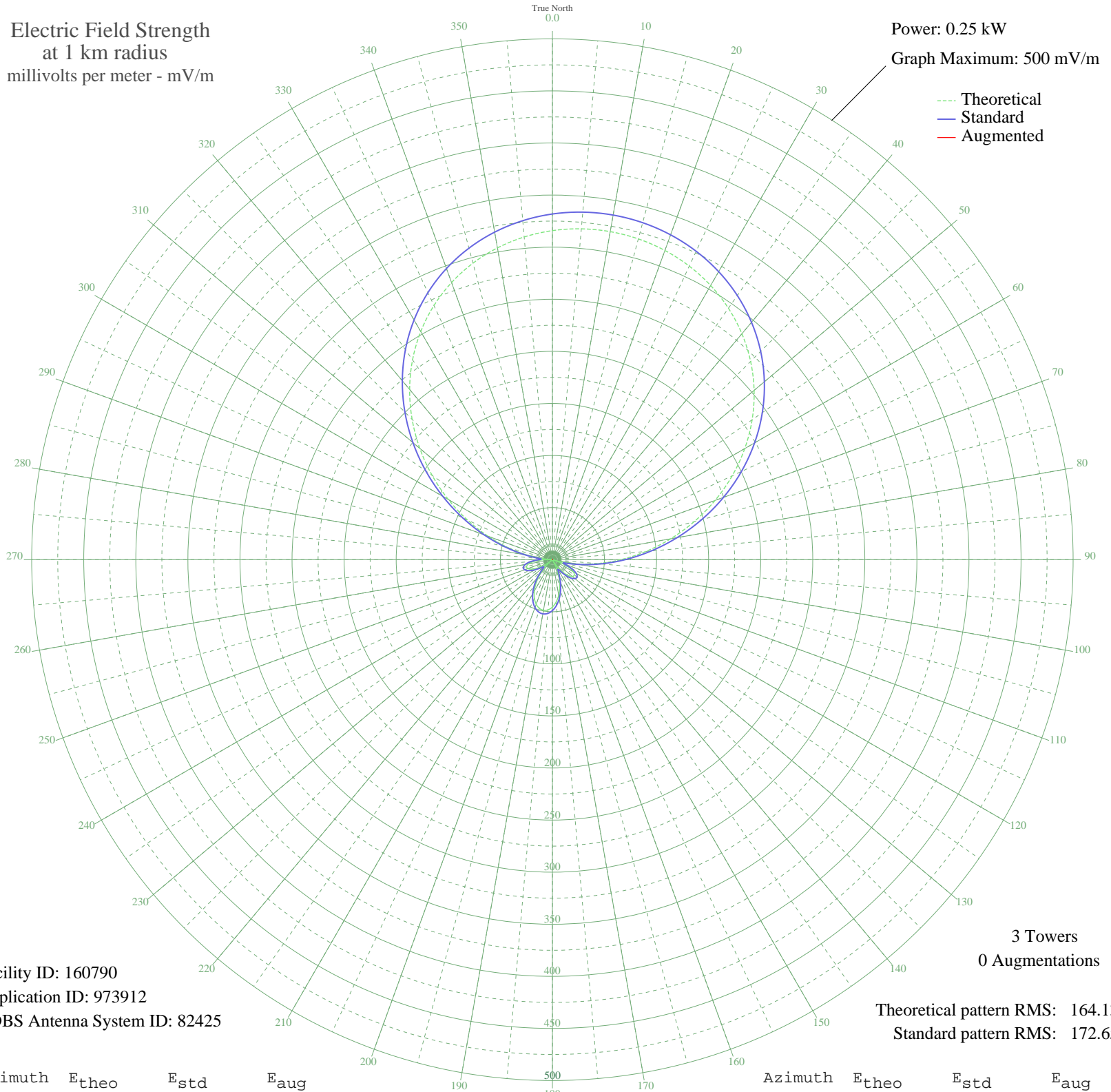


# NEW PLAIN CITY, UT BNP-20040128APJ 1200 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 160790  
Application ID: 973912  
CDBS Antenna System ID: 82425

Theoretical pattern RMS: 164.13  
Standard pattern RMS: 172.65

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	315.87	331.83	
5	318.79	334.90	
10	319.76	335.91	
15	318.79	334.90	
20	315.87	331.83	
25	310.94	326.66	
30	303.91	319.28	
35	294.66	309.58	
40	283.11	297.45	
45	269.17	282.82	
50	252.83	265.68	
55	234.14	246.07	
60	213.27	224.18	
65	190.49	200.29	
70	166.20	174.82	
75	140.92	148.34	
80	115.29	121.51	
85	89.99	95.07	
90	65.77	69.85	
95	43.34	46.71	
100	23.38	26.70	
105	6.44	12.49	
110	7.09	12.87	
115	16.96	20.67	
120	23.12	26.45	
125	25.71	28.97	
130	25.03	28.31	
135	21.52	24.92	
140	15.71	19.55	
145	8.18	13.57	
150	0.44	10.51	
155	9.57	14.53	
160	18.63	22.20	
165	27.14	30.37	
170	34.67	37.89	
175	40.88	44.19	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	45.50	48.92	
185	48.35	51.84	
190	49.31	52.83	
195	48.35	51.84	
200	45.50	48.92	
205	40.88	44.19	
210	34.67	37.89	
215	27.14	30.37	
220	18.63	22.20	
225	9.57	14.53	
230	0.44	10.51	
235	8.18	13.57	
240	15.71	19.55	
245	21.52	24.92	
250	25.03	28.31	
255	25.71	28.97	
260	23.12	26.45	
265	16.96	20.67	
270	7.09	12.87	
275	6.44	12.49	
280	23.38	26.70	
285	43.34	46.71	
290	65.77	69.85	
295	89.99	95.07	
300	115.29	121.51	
305	140.92	148.34	
310	166.20	174.83	
315	190.49	200.29	
320	213.27	224.18	
325	234.14	246.07	
330	252.83	265.68	
335	269.17	282.82	
340	283.11	297.45	
345	294.66	309.58	
350	303.91	319.28	
355	310.94	326.66	

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 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission