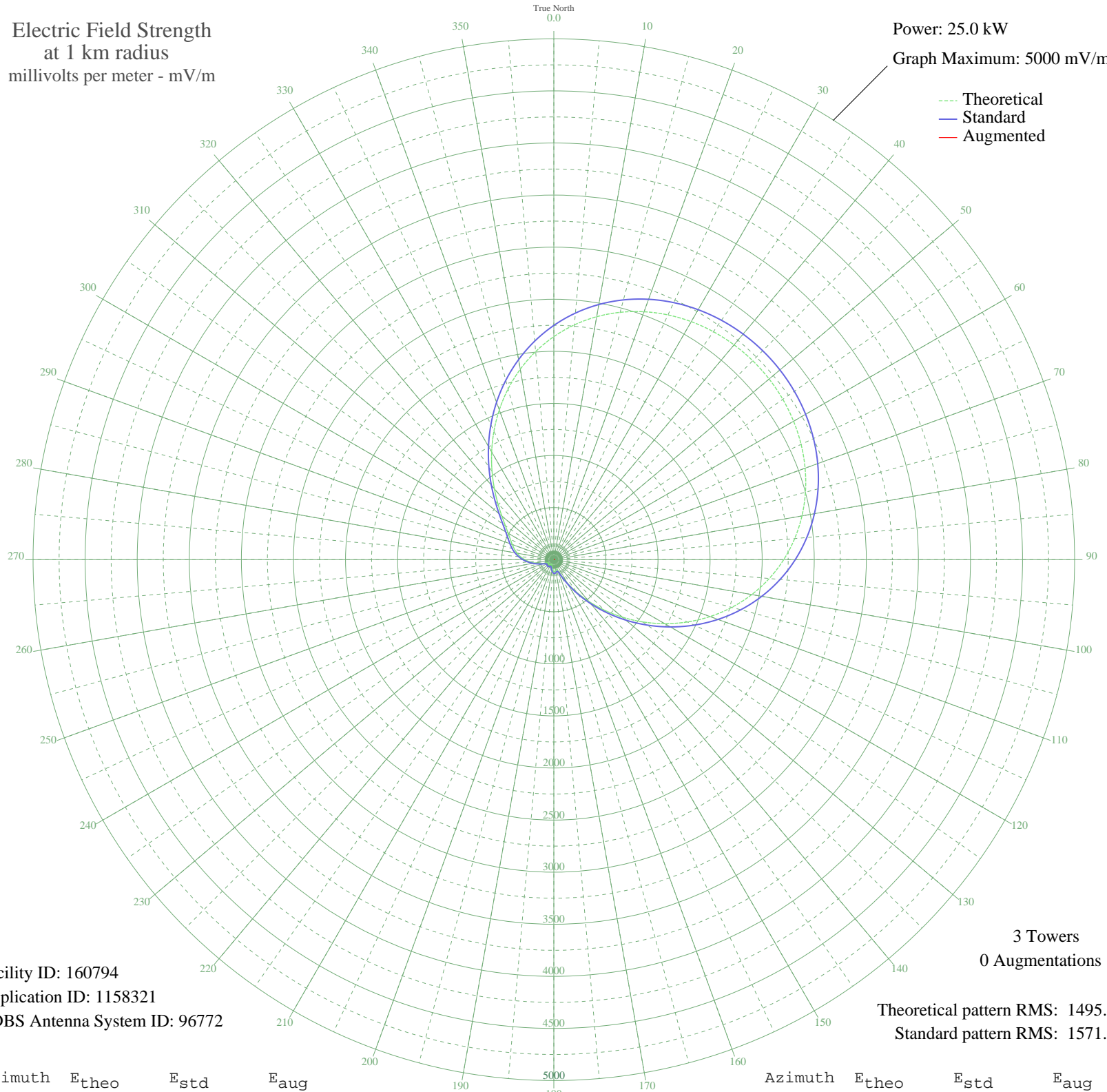


# KTRP MOUNT ANGEL, OR BNP-20050118ACF 1130 kHz

Daytime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 160794  
Application ID: 1158321  
CDBS Antenna System ID: 96772

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1495.42  
Standard pattern RMS: 1571.07

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2141.12	2248.79	
5	2262.42	2376.12	
10	2368.17	2487.13	
15	2458.18	2581.62	
20	2532.76	2659.92	
25	2592.57	2722.71	
30	2638.47	2770.89	
35	2671.33	2805.38	
40	2691.89	2826.98	
45	2700.73	2836.25	
50	2698.09	2833.48	
55	2683.93	2818.61	
60	2657.86	2791.25	
65	2619.24	2750.70	
70	2567.19	2696.06	
75	2500.76	2626.32	
80	2419.00	2540.49	
85	2321.15	2437.77	
90	2206.80	2317.74	
95	2076.05	2180.48	
100	1929.62	2026.78	
105	1769.01	1858.20	
110	1596.51	1677.16	
115	1415.19	1486.88	
120	1228.85	1291.36	
125	1041.82	1095.17	
130	858.77	903.24	
135	684.47	720.61	
140	523.57	552.25	
145	380.48	402.94	
150	259.57	277.56	
155	166.30	182.34	
160	109.81	126.69	
165	96.65	114.26	
170	106.84	123.86	
175	115.98	132.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	115.85	132.49	
185	106.17	123.22	
190	89.42	107.57	
195	69.51	89.91	
200	52.05	75.78	
205	44.50	70.28	
210	49.25	73.69	
215	58.66	80.93	
220	65.77	86.75	
225	67.63	88.31	
230	64.03	85.30	
235	57.90	80.32	
240	57.32	79.86	
245	72.10	92.13	
250	102.28	119.54	
255	142.05	158.12	
260	186.73	202.98	
265	232.95	250.17	
270	278.03	296.61	
275	319.96	340.04	
280	357.72	379.26	
285	391.72	414.64	
290	424.32	448.62	
295	460.18	486.03	
300	505.78	533.65	
305	567.93	598.63	
310	651.64	686.24	
315	758.68	798.34	
320	887.49	933.35	
325	1034.27	1087.25	
330	1193.96	1254.76	
335	1361.11	1430.13	
340	1530.36	1607.73	
345	1696.80	1782.41	
350	1856.20	1949.72	
355	2005.16	2106.07	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission