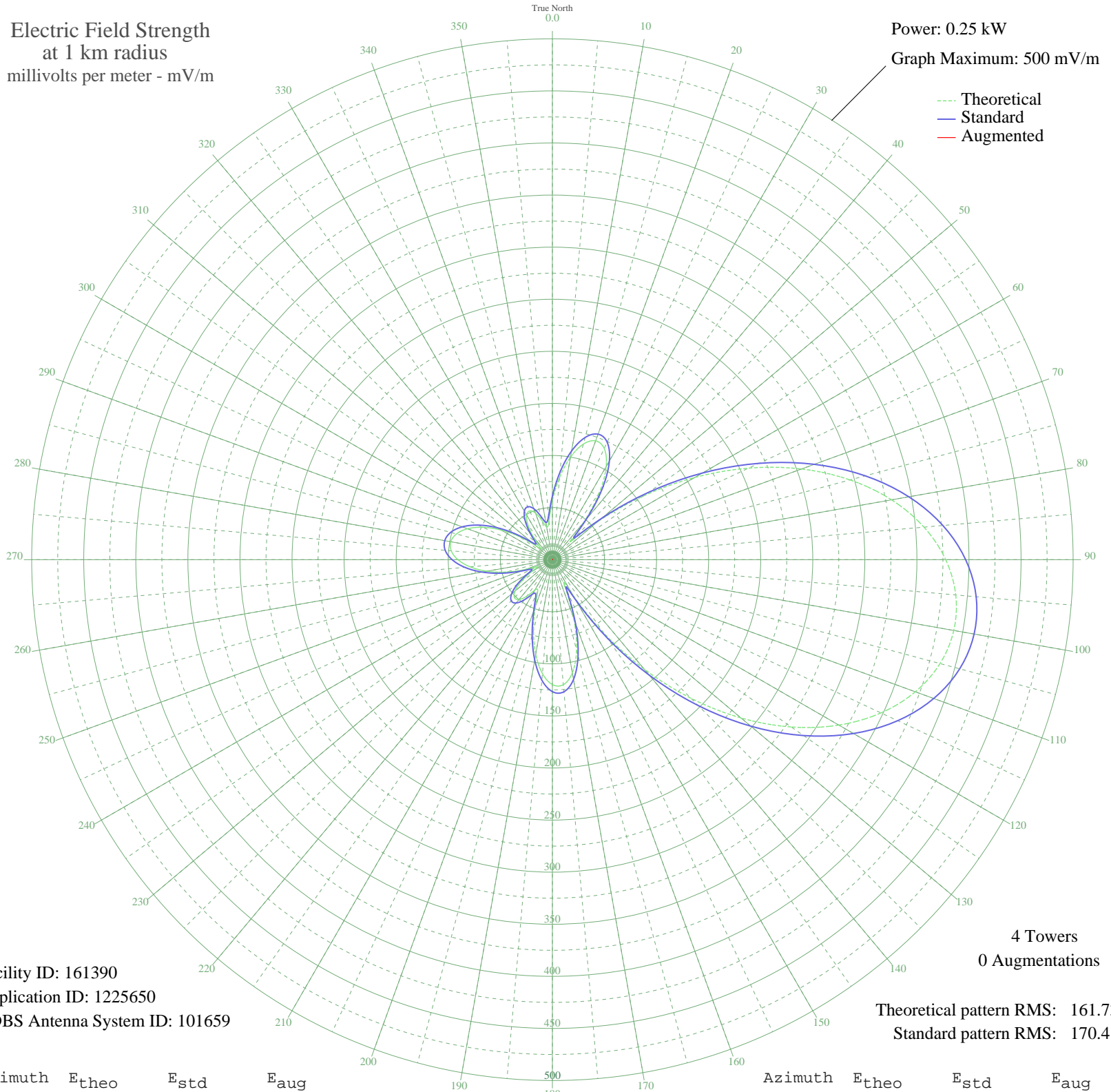


# NEW SANTA CLARA, UT BNP-20071231AAL 1290 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 161390  
Application ID: 1225650  
CDBS Antenna System ID: 101659

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 161.73  
Standard pattern RMS: 170.41

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	56.52	61.02	
5	79.23	84.39	
10	99.92	105.88	
15	114.87	121.44	
20	121.38	128.24	
25	117.76	124.46	
30	103.35	109.45	
35	78.69	83.84	
40	46.33	50.67	
45	23.99	28.91	
50	57.17	61.68	
55	106.41	112.63	
60	157.81	166.30	
65	207.92	218.78	
70	254.50	267.60	
75	295.85	310.97	
80	330.72	347.54	
85	358.19	376.36	
90	377.67	396.80	
95	388.79	408.47	
100	391.37	411.18	
105	385.36	404.87	
110	370.86	389.66	
115	348.13	365.81	
120	317.61	333.80	
125	280.03	294.37	
130	236.41	248.64	
135	188.19	198.11	
140	137.25	144.81	
145	86.17	91.59	
150	39.88	44.21	
155	27.94	32.59	
160	59.85	64.42	
165	89.69	95.24	
170	110.41	116.79	
175	120.49	127.31	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	119.92	126.71	
185	109.77	116.13	
190	92.15	97.80	
195	70.13	74.99	
200	48.06	52.42	
205	33.25	37.68	
210	33.75	38.17	
215	42.76	47.09	
220	49.94	54.32	
225	51.52	55.93	
230	46.80	51.15	
235	36.55	40.92	
240	23.13	28.12	
245	15.55	21.63	
250	27.42	32.10	
255	45.88	50.22	
260	63.90	68.58	
265	79.28	84.44	
270	90.74	96.33	
275	97.48	103.33	
280	99.06	104.98	
285	95.39	101.16	
290	86.68	92.12	
295	73.54	78.51	
300	56.92	61.43	
305	38.36	42.70	
310	21.04	26.26	
315	16.55	22.43	
320	28.60	33.21	
325	41.22	45.54	
330	49.43	53.80	
335	51.65	56.05	
340	47.63	51.99	
345	38.98	43.31	
350	31.76	36.24	
355	37.64	42.00	

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