

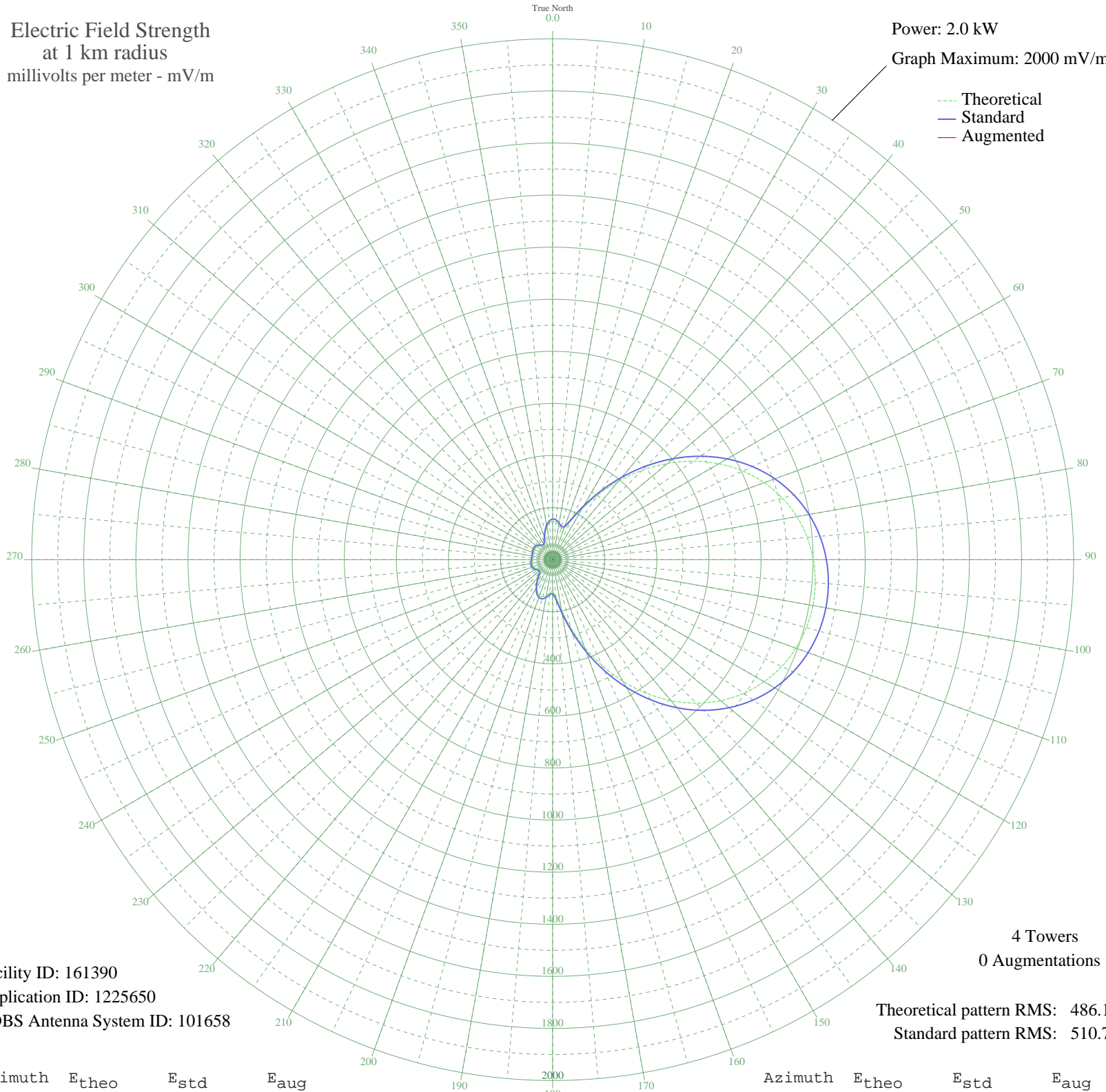
# NEW SANTA CLARA, UT BNP-20071231AAL 1290 kHz

Daytime

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

Power: 2.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 161390  
Application ID: 1225650  
CDBS Antenna System ID: 101658

4 Towers  
0 Augmentations

Theoretical pattern RMS: 486.16  
Standard pattern RMS: 510.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	147.61	156.02	
5	145.22	153.52	
10	135.05	142.92	
15	124.36	131.79	
20	129.17	136.80	
25	163.99	173.11	
30	226.05	238.02	
35	305.15	320.90	
40	393.18	413.22	
45	484.29	508.82	
50	574.03	603.00	
55	658.98	692.16	
60	736.65	773.69	
65	805.39	845.84	
70	864.29	907.68	
75	913.04	958.86	
80	951.77	999.52	
85	980.84	1030.04	
90	1000.70	1050.89	
95	1011.77	1062.50	
100	1014.30	1065.17	
105	1008.37	1058.94	
110	993.83	1043.68	
115	970.34	1019.02	
120	937.46	984.50	
125	894.76	939.67	
130	841.94	884.22	
135	779.04	818.18	
140	706.58	742.13	
145	625.76	657.29	
150	538.54	565.75	
155	447.79	470.51	
160	357.30	375.59	
165	272.04	286.20	
170	198.63	209.32	
175	146.28	154.62	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	124.14	131.56	
185	127.86	135.43	
190	139.77	147.84	
195	147.28	155.67	
200	145.96	154.29	
205	135.80	143.70	
210	119.01	126.23	
215	99.00	105.47	
220	79.99	85.87	
225	66.57	72.14	
230	61.83	67.34	
235	64.43	69.97	
240	69.96	75.59	
245	75.00	80.74	
250	78.12	83.94	
255	79.17	85.03	
260	78.66	84.50	
265	77.30	83.10	
270	75.81	81.58	
275	74.77	80.51	
280	74.51	80.24	
285	75.11	80.86	
290	76.38	82.16	
295	77.90	83.72	
300	79.01	84.86	
305	78.98	84.82	
310	77.13	82.93	
315	73.17	78.87	
320	67.66	73.26	
325	62.79	68.30	
330	62.66	68.17	
335	70.99	76.65	
340	87.18	93.26	
345	107.14	113.90	
350	126.33	133.84	
355	140.82	148.93	

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