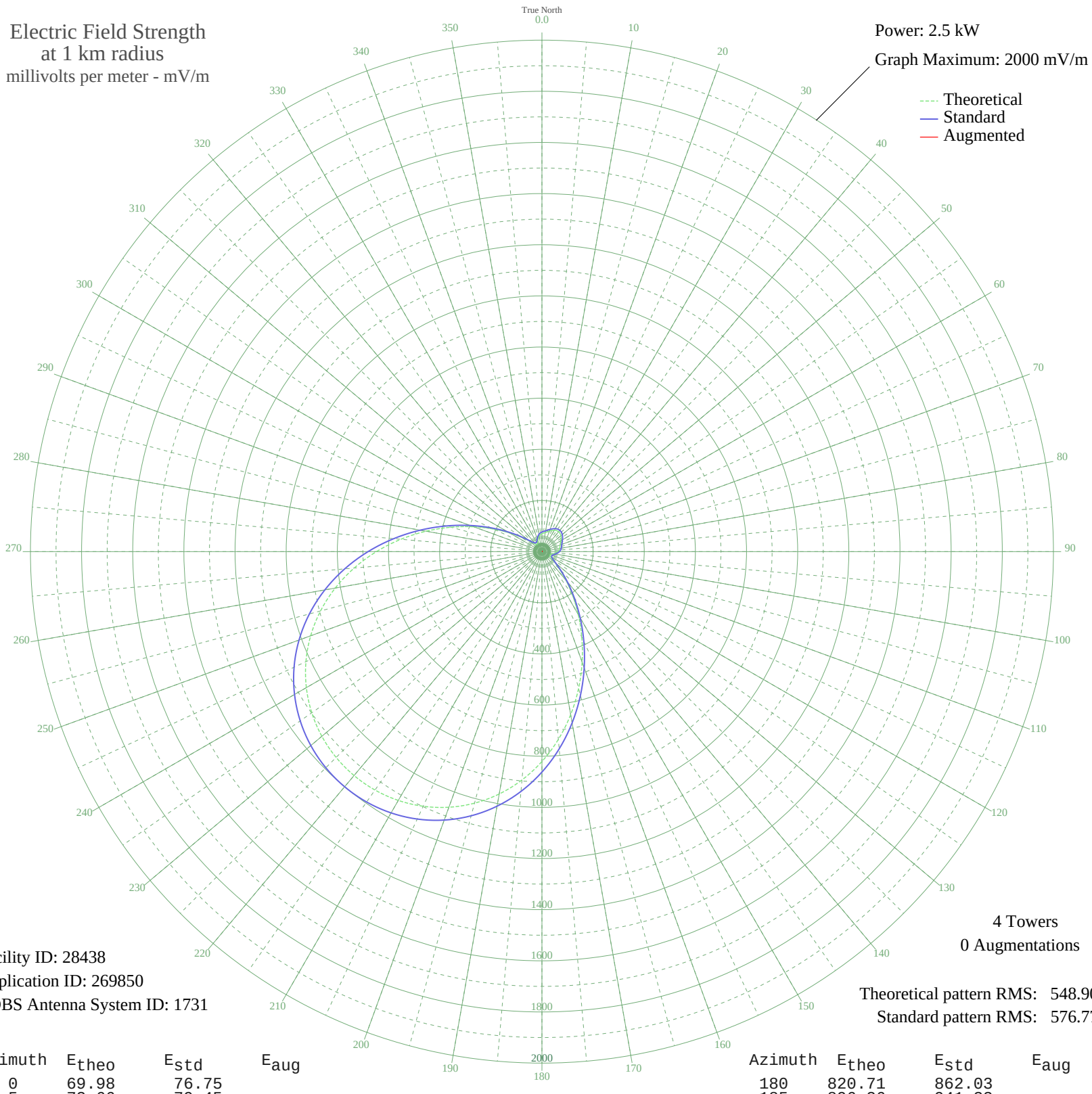
KVVN SANTA CLARA, CA BL-19980616AB 1430 kHz

Nighttime

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



Power: 2.5 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 28438
Application ID: 269850
CDBS Antenna System ID: 1731

Theoretical pattern RMS: 548.90
Standard pattern RMS: 576.77

Azimuth	E_{theo}	E_{std}	E_{aug}
0	69.98	76.75	
5	72.66	79.45	
10	75.78	82.61	
15	80.10	86.98	
20	85.55	92.53	
25	91.40	98.50	
30	96.58	103.81	
35	100.13	107.45	
40	101.39	108.74	
45	100.13	107.45	
50	96.58	103.81	
55	91.40	98.50	
60	85.55	92.53	
65	80.10	86.98	
70	75.78	82.61	
75	72.66	79.45	
80	69.98	76.75	
85	66.62	73.38	
90	61.63	68.41	
95	54.73	61.60	
100	46.62	53.74	
105	39.05	46.61	
110	34.33	42.32	
115	33.76	41.81	
120	37.09	44.82	
125	45.83	52.98	
130	64.71	71.48	
135	97.79	105.05	
140	146.10	155.00	
145	208.75	220.31	
150	283.80	298.81	
155	368.51	387.57	
160	459.62	483.11	
165	553.64	581.74	
170	647.14	679.86	
175	737.02	774.19	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	820.71	862.03	
185	896.26	941.33	
190	962.36	1010.72	
195	1018.26	1069.41	
200	1063.68	1117.09	
205	1098.65	1153.79	
210	1123.35	1179.73	
215	1138.05	1195.16	
220	1142.93	1200.28	
225	1138.05	1195.16	
230	1123.35	1179.73	
235	1098.65	1153.79	
240	1063.68	1117.09	
245	1018.26	1069.41	
250	962.36	1010.72	
255	896.26	941.33	
260	820.71	862.03	
265	737.02	774.18	
270	647.14	679.85	
275	553.64	581.74	
280	459.62	483.11	
285	368.51	387.57	
290	283.80	298.81	
295	208.75	220.31	
300	146.10	155.00	
305	97.79	105.05	
310	64.71	71.47	
315	45.83	52.98	
320	37.09	44.82	
325	33.76	41.81	
330	34.33	42.32	
335	39.05	46.61	
340	46.62	53.74	
345	54.73	61.60	
350	61.63	68.41	
355	66.62	73.38	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission