NEW ANDERSON, CA BNP-20040130BQP 1580 kHz

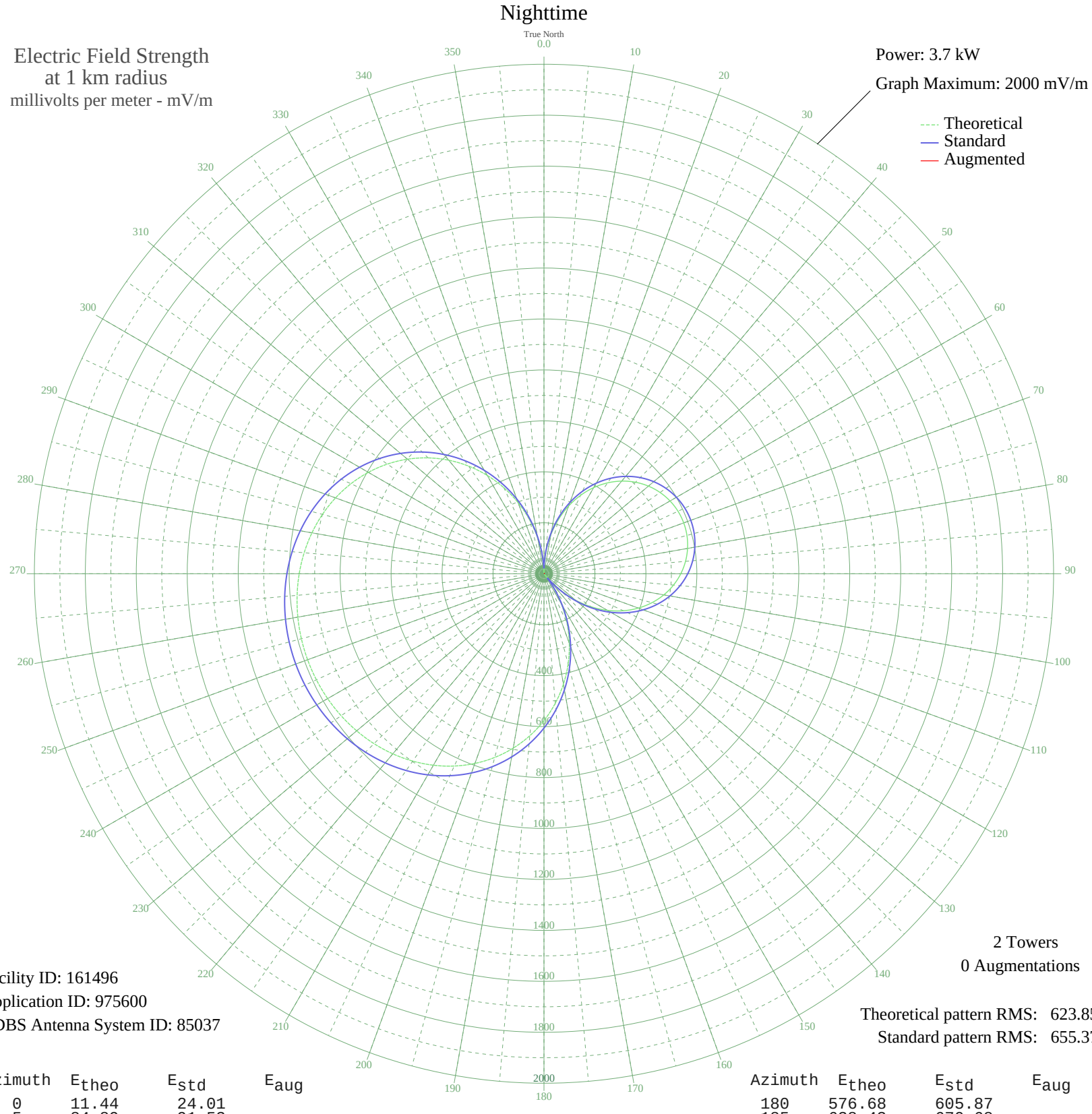
Nighttime

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

Power: 3.7 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented



2 Towers
0 Augmentations

Facility ID: 161496
Application ID: 975600
CDBS Antenna System ID: 85037

Theoretical pattern RMS: 623.85
Standard pattern RMS: 655.37

Azimuth	E_{theo}	E_{std}	E_{aug}
0	11.44	24.01	
5	84.89	91.53	
10	155.10	164.18	
15	221.32	233.31	
20	282.91	297.78	
25	339.37	356.95	
30	390.33	410.37	
35	435.50	457.75	
40	474.73	498.90	
45	507.93	533.73	
50	535.08	562.21	
55	556.18	584.36	
60	571.28	600.20	
65	580.41	609.79	
70	583.61	613.14	
75	580.89	610.28	
80	572.23	601.20	
85	557.61	585.86	
90	536.99	564.22	
95	510.33	536.25	
100	477.61	501.92	
105	438.86	461.27	
110	394.16	414.39	
115	343.66	361.44	
120	287.62	302.72	
125	226.42	238.65	
130	160.56	169.86	
135	90.64	97.42	
140	17.42	27.69	
145	58.27	64.62	
150	135.50	143.79	
155	213.29	224.91	
160	290.62	305.86	
165	366.53	385.41	
170	440.05	462.52	
175	510.35	536.27	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	576.68	605.87	
185	638.43	670.68	
190	695.16	730.21	
195	746.56	784.16	
200	792.48	832.36	
205	832.91	874.81	
210	867.98	911.61	
215	897.87	943.00	
220	922.88	969.25	
225	943.32	990.70	
230	959.50	1007.69	
235	971.75	1020.54	
240	980.32	1029.54	
245	985.43	1034.91	
250	987.20	1036.77	
255	985.69	1035.18	
260	980.85	1030.11	
265	972.56	1021.40	
270	960.62	1008.87	
275	944.76	992.22	
280	924.68	971.14	
285	900.05	945.28	
290	870.56	914.32	
295	835.91	877.96	
300	795.91	835.97	
305	750.43	788.23	
310	699.47	734.74	
315	643.16	675.64	
320	581.79	611.24	
325	515.81	542.00	
330	445.81	468.56	
335	372.51	391.69	
340	296.76	312.29	
345	219.50	231.41	
350	141.72	150.25	
355	64.41	70.75	