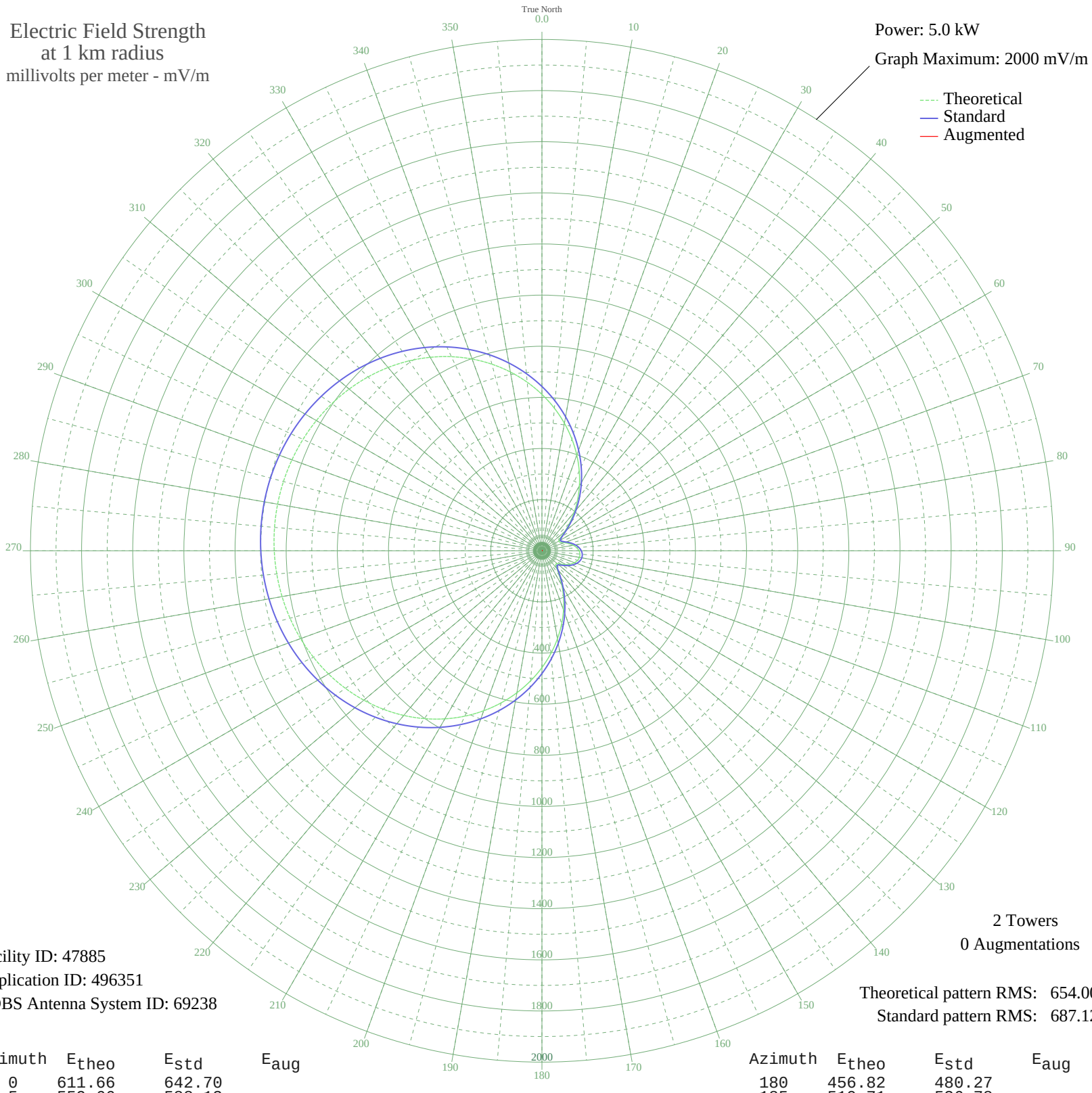
KNCO GRASS VALLEY, CA BL-20000412ACX 830 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 47885
Application ID: 496351
CDBS Antenna System ID: 69238

Theoretical pattern RMS: 654.00
Standard pattern RMS: 687.12

Azimuth	E_{theo}	E_{std}	E_{aug}
0	611.66	642.70	
5	559.66	588.13	
10	506.42	532.28	
15	452.50	475.73	
20	398.50	419.12	
25	345.08	363.13	
30	292.91	308.49	
35	242.77	256.04	
40	195.58	206.77	
45	152.57	161.99	
50	115.68	123.82	
55	88.39	95.87	
60	75.73	83.07	
65	79.26	86.62	
70	92.74	100.29	
75	109.03	116.97	
80	124.21	132.61	
85	136.45	145.27	
90	144.89	154.02	
95	149.11	158.40	
100	148.93	158.21	
105	144.37	153.48	
110	135.60	144.40	
115	123.09	131.46	
120	107.73	115.64	
125	91.48	99.01	
130	78.50	85.85	
135	76.11	83.45	
140	90.10	97.61	
145	118.34	126.56	
150	155.82	165.36	
155	199.23	210.56	
160	246.69	260.14	
165	297.02	312.79	
170	349.31	367.57	
175	402.81	423.63	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	456.82	480.27	
185	510.71	536.78	
190	563.87	592.55	
195	615.76	646.99	
200	665.86	699.57	
205	713.75	749.82	
210	759.04	797.36	
215	801.43	841.84	
220	840.66	883.02	
225	876.58	920.72	
230	909.07	954.82	
235	938.07	985.27	
240	963.59	1012.05	
245	985.65	1035.21	
250	1004.32	1054.81	
255	1019.69	1070.94	
260	1031.82	1083.68	
265	1040.81	1093.12	
270	1046.72	1099.32	
275	1049.61	1102.35	
280	1049.49	1102.22	
285	1046.36	1098.94	
290	1040.21	1092.48	
295	1030.97	1082.78	
300	1018.58	1069.78	
305	1002.95	1053.38	
310	984.01	1033.49	
315	961.67	1010.04	
320	935.88	982.97	
325	906.60	952.23	
330	873.83	917.84	
335	837.65	879.86	
340	798.15	838.40	
345	755.52	793.66	
350	710.01	745.90	
355	661.93	695.44	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission