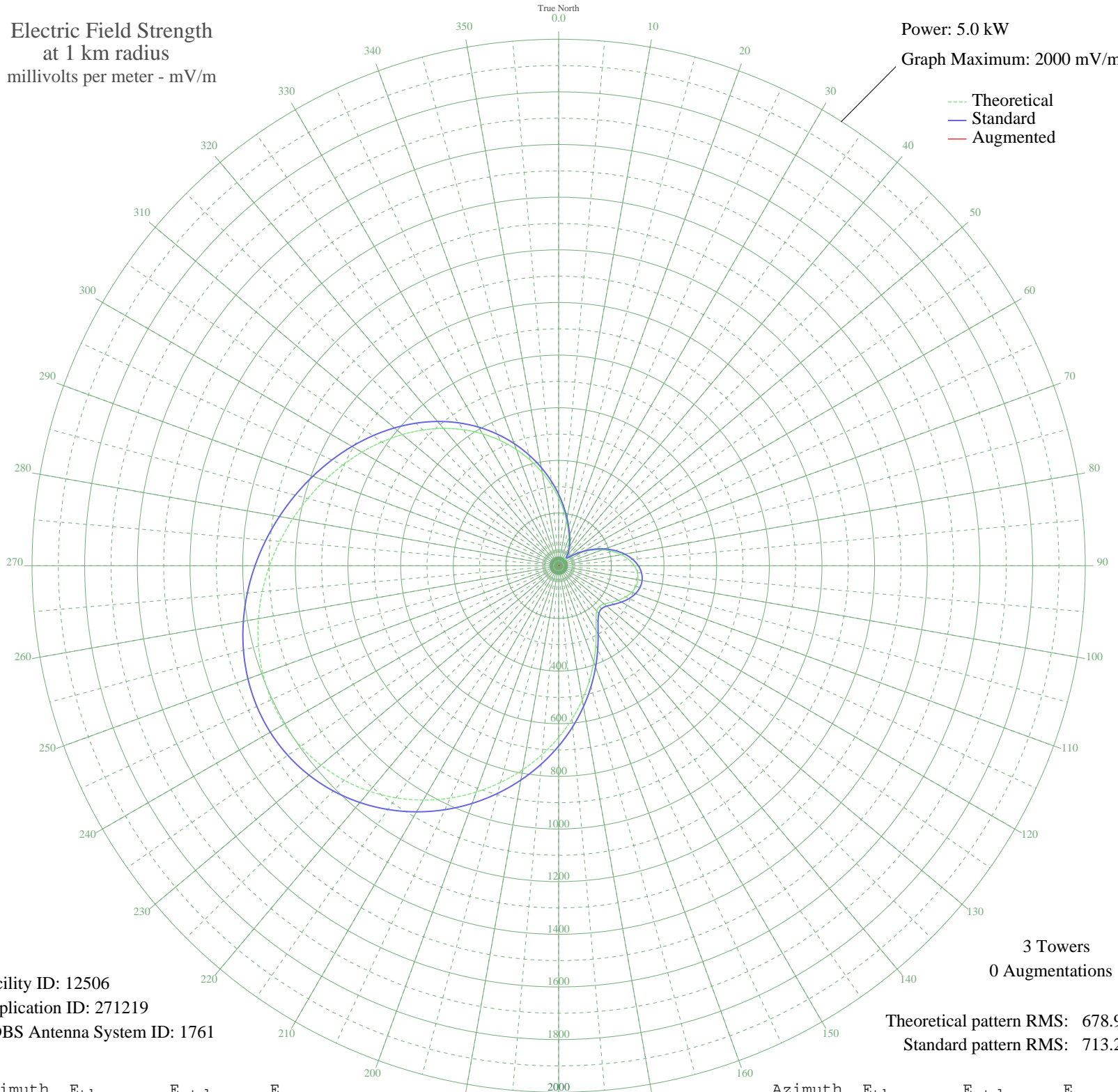


# KUGN EUGENE, OR BL-19980722AA 590 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 12506  
Application ID: 271219  
CDBS Antenna System ID: 1761

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 678.94  
Standard pattern RMS: 713.27

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	257.20	271.08	
5	212.13	223.97	
10	172.79	182.94	
15	139.97	148.83	
20	113.64	121.61	
25	92.62	100.04	
30	74.77	81.95	
35	57.94	65.21	
40	41.79	49.76	
45	32.54	41.46	
50	43.52	51.37	
55	70.28	77.44	
60	103.65	111.34	
65	139.66	148.52	
70	175.91	186.20	
75	210.42	222.18	
80	241.43	254.59	
85	267.46	281.82	
90	287.32	302.60	
95	300.19	316.07	
100	305.63	321.77	
105	303.67	319.72	
110	294.84	310.48	
115	280.25	295.20	
120	261.78	275.87	
125	242.32	255.52	
130	226.12	238.58	
135	218.61	230.74	
140	224.98	237.39	
145	247.52	260.96	
150	284.79	299.95	
155	333.37	350.83	
160	389.88	410.05	
165	451.68	474.85	
170	516.87	543.22	
175	584.02	613.67	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	652.04	685.04	
185	719.99	756.35	
190	787.01	826.70	
195	852.25	895.17	
200	914.78	960.80	
205	973.64	1022.59	
210	1027.82	1079.47	
215	1076.30	1130.36	
220	1118.09	1174.23	
225	1152.34	1210.19	
230	1178.37	1237.51	
235	1195.73	1255.73	
240	1204.27	1264.70	
245	1204.16	1264.59	
250	1195.86	1255.87	
255	1180.09	1239.32	
260	1157.81	1215.93	
265	1130.11	1186.84	
270	1098.09	1153.24	
275	1062.85	1116.23	
280	1025.30	1076.82	
285	986.18	1035.75	
290	945.96	993.53	
295	904.85	950.38	
300	862.84	906.29	
305	819.74	861.05	
310	775.25	814.35	
315	729.06	765.87	
320	680.92	715.35	
325	630.72	662.67	
330	578.53	607.91	
335	524.66	551.40	
340	469.66	493.70	
345	414.31	435.66	
350	359.63	378.34	
355	306.82	323.02	