

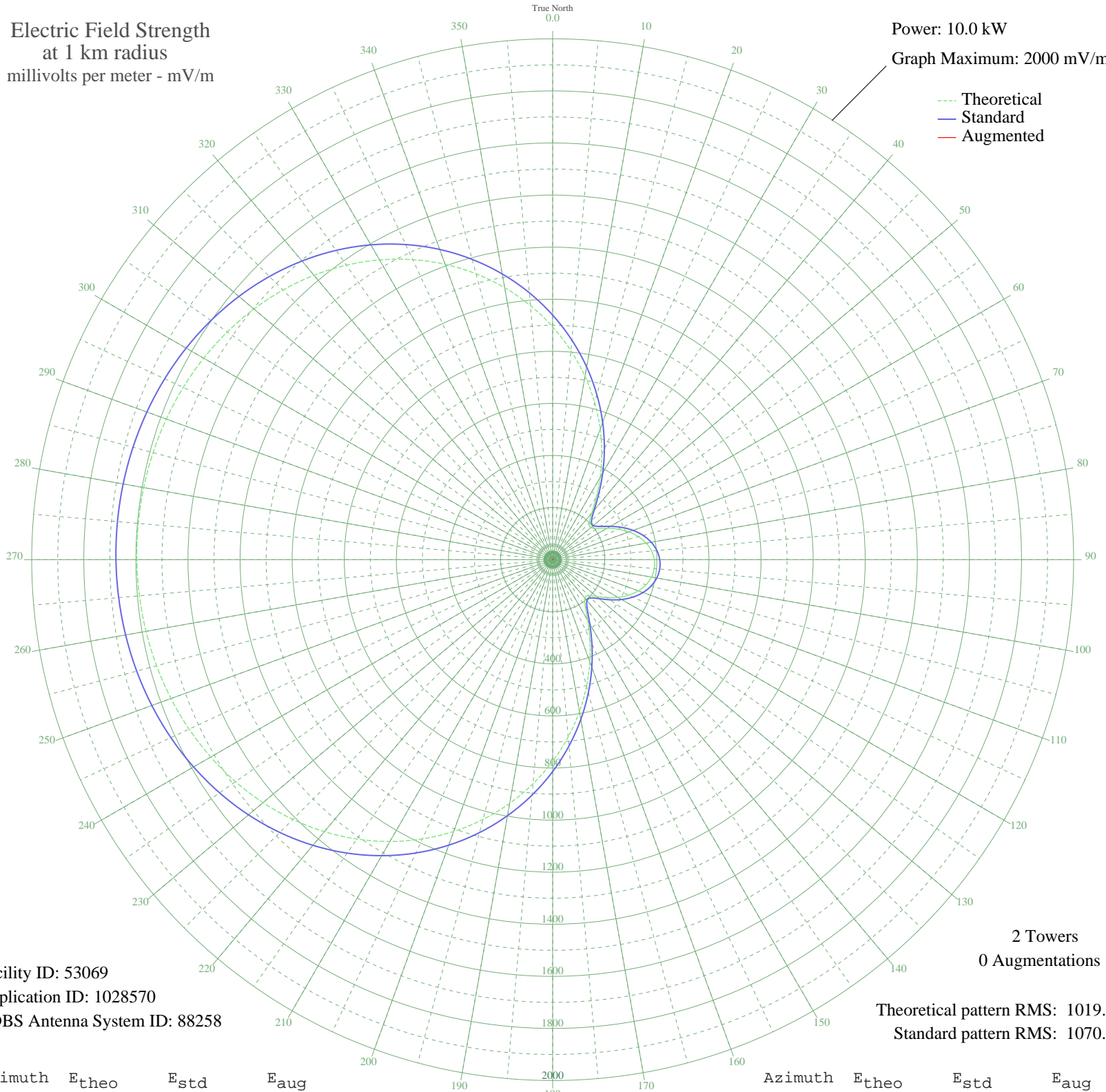
KPOJ PORTLAND, OR BL-20041029AJU 620 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 53069
Application ID: 1028570
CDBS Antenna System ID: 88258

2 Towers
0 Augmentations

Theoretical pattern RMS: 1019.20
Standard pattern RMS: 1070.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	893.96	939.25	
5	805.43	846.36	
10	714.90	751.38	
15	623.74	655.77	
20	533.59	561.25	
25	446.37	469.87	
30	364.60	384.27	
35	291.87	308.26	
40	233.76	247.69	
45	198.21	210.75	
50	191.41	203.71	
55	209.59	222.56	
60	241.39	255.63	
65	277.19	292.94	
70	311.42	328.67	
75	341.11	359.70	
80	364.68	384.35	
85	381.23	401.67	
90	390.30	411.15	
95	391.64	412.56	
100	385.24	405.86	
105	371.24	391.21	
110	350.03	369.03	
115	322.32	340.06	
120	289.42	305.70	
125	253.70	268.45	
130	219.65	233.01	
135	195.41	207.85	
140	192.53	204.86	
145	218.45	231.76	
150	269.72	285.14	
155	338.14	356.60	
160	417.26	439.38	
165	502.92	529.11	
170	592.30	622.80	
175	683.30	718.23	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	774.22	813.60	
185	863.59	907.37	
190	950.15	998.21	
195	1032.83	1084.98	
200	1110.72	1166.73	
205	1183.13	1242.73	
210	1249.54	1312.44	
215	1309.64	1375.52	
220	1363.28	1431.83	
225	1410.48	1481.38	
230	1451.42	1524.35	
235	1486.36	1561.04	
240	1515.69	1591.82	
245	1539.81	1617.14	
250	1559.16	1637.45	
255	1574.15	1653.19	
260	1585.16	1664.75	
265	1592.50	1672.45	
270	1596.39	1676.54	
275	1596.96	1677.13	
280	1594.23	1674.27	
285	1588.10	1667.84	
290	1578.40	1657.65	
295	1564.83	1643.40	
300	1547.04	1624.73	
305	1524.62	1601.19	
310	1497.14	1572.35	
315	1464.19	1537.76	
320	1425.36	1497.00	
325	1380.36	1449.76	
330	1328.96	1395.80	
335	1271.10	1335.06	
340	1206.85	1267.62	
345	1136.47	1193.75	
350	1060.40	1113.92	
355	979.29	1028.79	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission