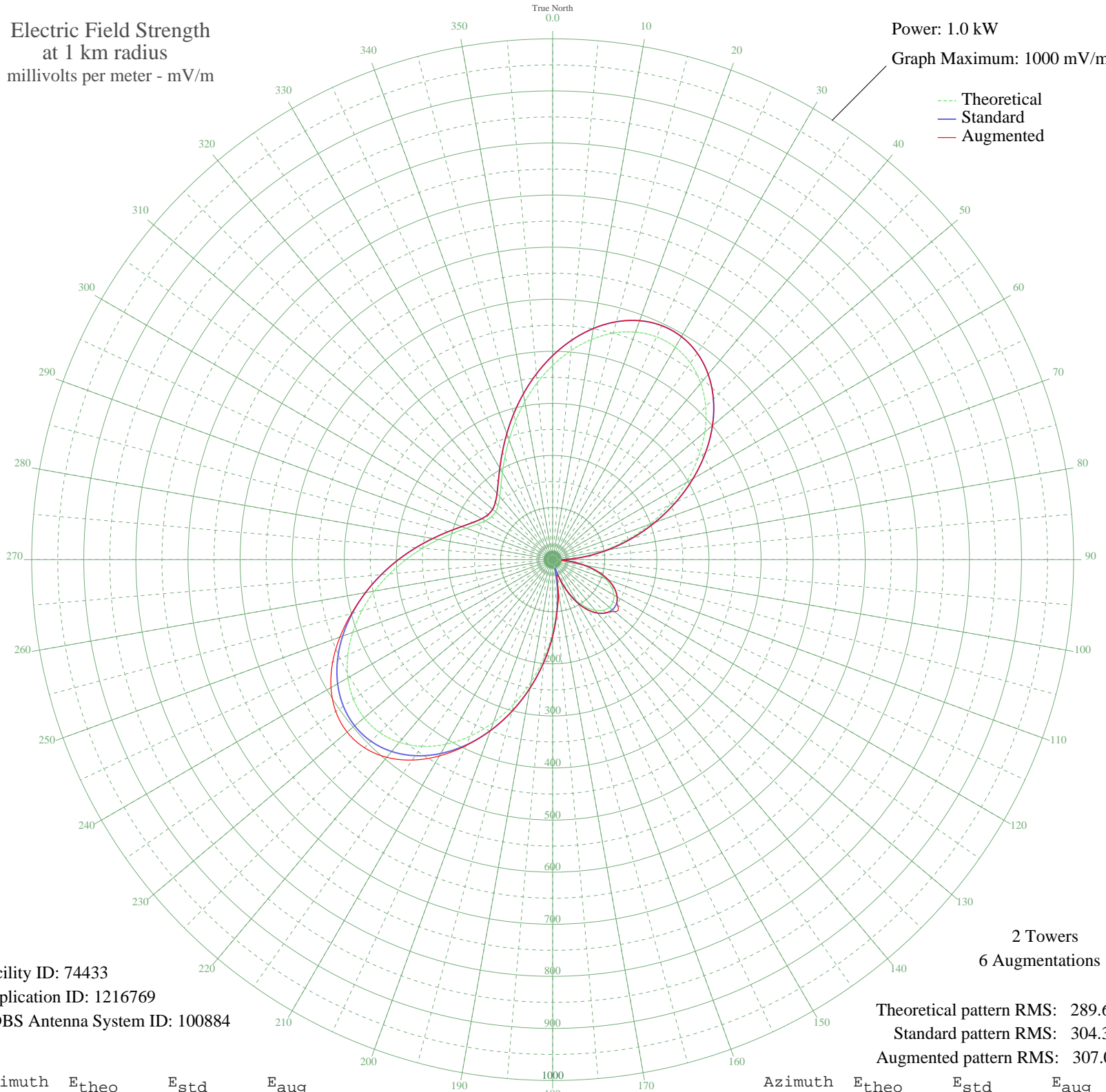


# KAST ASTORIA, OR BL-20071015ALZ 1370 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 74433  
Application ID: 1216769  
CDBS Antenna System ID: 100884

Theoretical pattern RMS: 289.68  
Standard pattern RMS: 304.35  
Augmented pattern RMS: 307.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	372.90	391.69	391.69
5	402.88	423.16	423.16
10	429.16	450.74	450.74
15	450.27	472.90	472.90
20	464.91	488.27	488.27
25	472.00	495.71	495.71
30	470.76	494.41	494.41
35	460.82	483.98	483.98
40	442.23	464.46	464.46
45	415.44	436.34	436.34
50	381.33	400.54	400.54
55	341.09	358.30	358.30
60	296.15	311.14	311.14
65	248.11	260.72	260.72
70	198.57	208.76	208.76
75	149.11	156.91	156.91
80	101.19	106.76	106.76
85	56.26	59.99	60.10
90	17.78	21.42	21.96
95	27.39	30.61	30.61
100	58.55	62.37	62.37
105	85.69	90.59	90.59
110	107.71	113.58	113.58
115	124.39	131.03	131.03
120	135.69	142.86	142.86
125	141.60	149.05	152.19
130	142.14	149.61	155.48
135	137.30	144.55	144.55
140	127.08	133.85	133.85
145	111.48	117.52	117.52
150	90.52	95.62	95.62
155	64.37	68.40	68.40
160	33.76	36.97	37.22
165	13.16	17.35	33.48
170	47.80	51.27	64.31
175	91.91	97.07	97.88

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	139.35	146.70	146.70
185	188.62	198.33	198.33
190	238.27	250.40	250.40
195	286.74	301.26	301.26
200	332.43	349.21	349.21
205	373.73	392.56	394.18
210	409.17	429.76	435.26
215	437.50	459.50	469.74
220	457.79	480.79	495.42
225	469.48	493.06	510.75
230	472.44	496.17	514.99
235	466.97	490.43	508.21
240	453.76	476.56	491.31
245	433.84	455.65	465.98
250	408.48	429.03	434.54
255	379.12	398.22	399.81
260	347.25	364.77	364.77
265	314.34	330.23	330.23
270	281.77	296.04	296.04
275	250.76	263.50	263.50
280	222.35	233.71	233.71
285	197.43	207.56	207.56
290	176.65	185.78	185.78
295	160.52	168.88	168.88
300	149.41	157.23	157.23
305	143.53	151.07	151.07
310	142.99	150.51	150.51
315	147.81	155.56	155.56
320	157.89	166.12	166.12
325	173.04	181.99	181.99
330	192.92	202.84	202.84
335	217.07	228.16	228.16
340	244.84	257.29	257.29
345	275.41	289.37	289.37
350	307.76	323.32	323.32
355	340.71	357.90	357.90