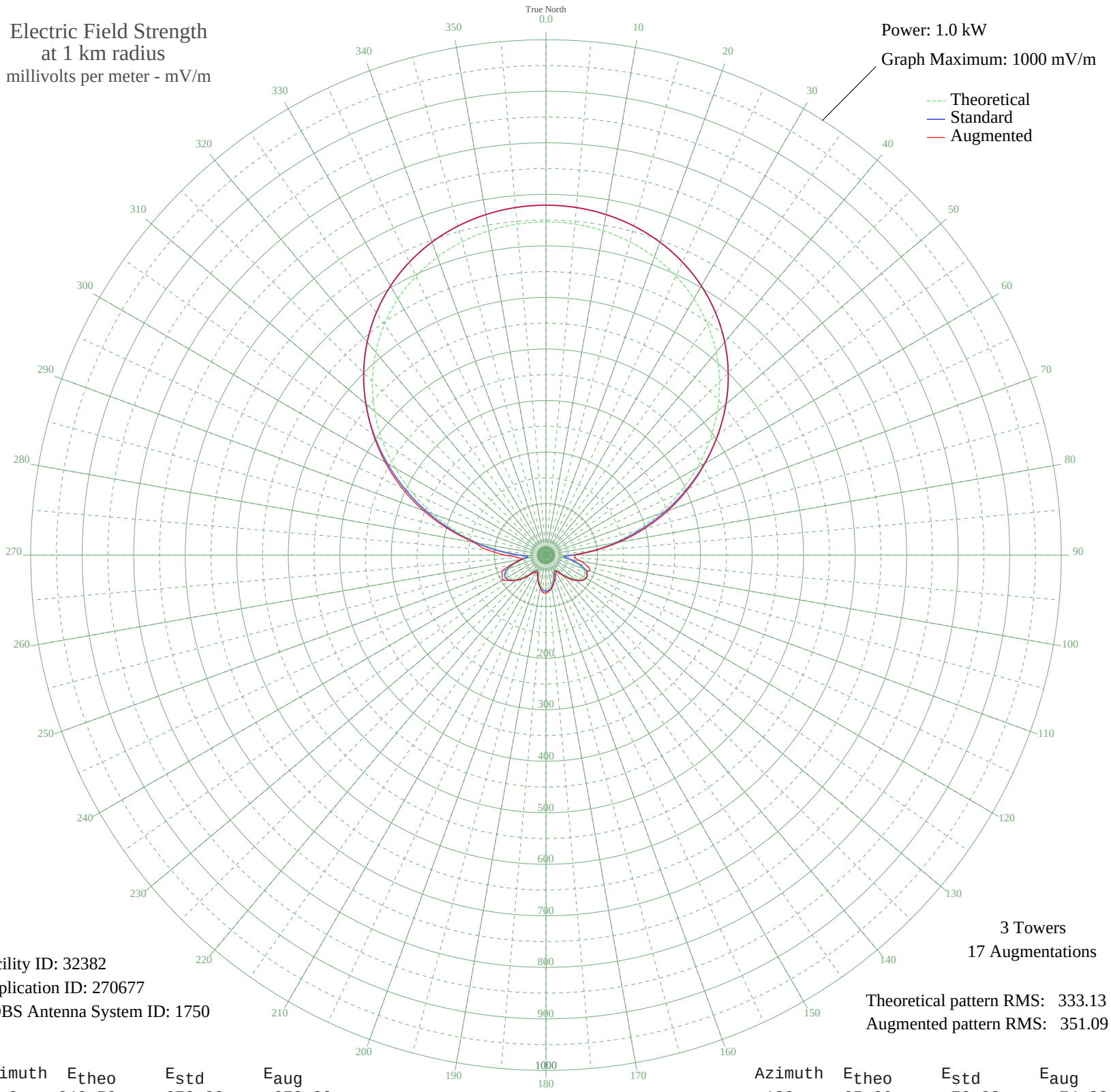
KRGI GRAND ISLAND, NE BL-19980707AB 1430 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
17 Augmentations

Facility ID: 32382
Application ID: 270677
CDBS Antenna System ID: 1750

Theoretical pattern RMS: 333.13
Augmented pattern RMS: 351.09

Azimuth	E_{theo}	E_{std}	E_{aug}
0	646.56	679.00	679.00
5	644.67	677.02	677.02
10	638.96	671.02	671.02
15	629.30	660.87	660.87
20	615.47	646.35	646.35
25	597.22	627.20	627.20
30	574.33	603.17	603.17
35	546.58	574.04	574.04
40	513.88	539.72	539.72
45	476.31	500.28	500.28
50	434.13	456.00	456.00
55	387.86	407.44	407.47
60	338.27	355.40	356.67
65	286.41	300.98	304.90
70	233.58	245.56	252.11
75	181.27	190.73	198.08
80	131.21	138.32	143.61
85	85.51	90.62	91.97
90	47.92	51.78	56.25
95	30.79	34.57	56.11
100	43.56	47.35	69.45
105	62.00	66.25	83.38
110	75.83	80.56	88.98
115	83.34	88.36	88.36
120	84.60	89.67	89.67
125	80.32	85.22	85.22
130	71.62	76.19	76.19
135	59.91	64.09	64.09
140	47.09	50.94	50.94
145	35.95	39.69	39.69
150	30.82	34.60	38.62
155	34.22	37.96	44.37
160	42.63	46.41	51.72
165	51.71	55.66	57.53
170	59.19	63.34	65.62
175	64.00	68.31	69.24

Azimuth	E_{theo}	E_{std}	E_{aug}
180	65.66	70.02	74.03
185	64.00	68.31	72.42
190	59.19	63.34	63.34
195	51.71	55.66	55.66
200	42.63	46.41	46.41
205	34.22	37.96	37.96
210	30.82	34.60	40.23
215	35.95	39.69	39.69
220	47.09	50.94	50.94
225	59.91	64.09	64.09
230	71.62	76.19	76.19
235	80.32	85.22	85.22
240	84.60	89.67	96.56
245	83.34	88.36	93.34
250	75.83	80.56	90.12
255	62.00	66.25	66.25
260	43.56	47.35	47.35
265	30.79	34.57	55.89
270	47.92	51.78	80.56
275	85.51	90.62	113.12
280	131.21	138.32	141.81
285	181.27	190.73	196.64
290	233.58	245.56	253.67
295	286.41	300.98	308.45
300	338.27	355.40	360.20
305	387.86	407.44	409.28
310	434.13	456.00	456.15
315	476.31	500.28	500.28
320	513.88	539.72	539.72
325	546.58	574.04	574.04
330	574.33	603.17	603.17
335	597.22	627.20	627.20
340	615.47	646.35	646.35
345	629.30	660.87	660.87
350	638.96	671.02	671.02
355	644.67	677.02	677.02

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission