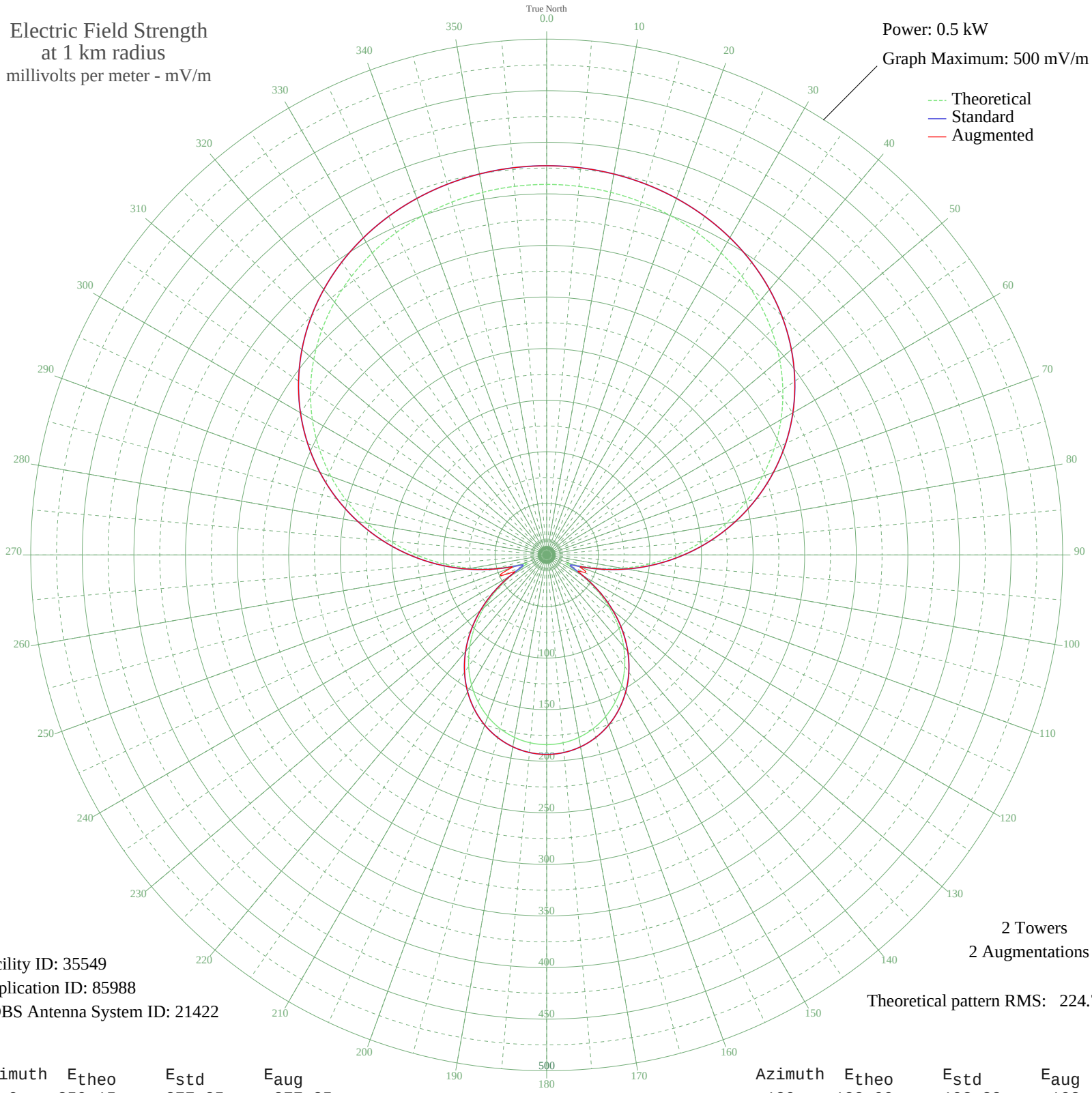
KRIZ RENTON, WA BL-19860220AF 1420 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
2 Augmentations

Facility ID: 35549
Application ID: 85988
CDBS Antenna System ID: 21422

Theoretical pattern RMS: 224.70

Azimuth	E_{theo}	E_{std}	E_{aug}
0	359.15	377.25	377.25
5	358.60	376.67	376.67
10	356.94	374.94	374.94
15	354.14	371.99	371.99
20	350.11	367.77	367.77
25	344.77	362.16	362.16
30	338.02	355.07	355.07
35	329.73	346.38	346.38
40	319.81	335.96	335.96
45	308.15	323.73	323.73
50	294.69	309.60	309.60
55	279.36	293.52	293.52
60	262.18	275.49	275.49
65	243.18	255.56	255.56
70	222.46	233.82	233.82
75	200.16	210.43	210.43
80	176.49	185.62	185.62
85	151.71	159.65	159.65
90	126.14	132.86	132.86
95	100.15	105.68	105.68
100	74.25	78.67	78.67
105	49.32	52.84	52.84
110	28.02	31.24	34.33
115	22.38	25.74	39.70
120	38.03	41.29	41.29
125	58.65	62.47	62.47
130	79.16	83.77	83.77
135	98.43	103.88	103.88
140	116.05	122.30	122.30
145	131.80	138.79	138.79
150	145.56	153.20	153.20
155	157.26	165.45	165.45
160	166.85	175.50	175.50
165	174.31	183.33	183.33
170	179.64	188.91	188.91
175	182.84	192.26	192.26
180	183.90	193.38	193.38
185	182.84	192.26	192.26
190	179.64	188.91	188.91
195	174.31	183.33	183.33
200	166.85	175.50	175.50
205	157.26	165.45	165.45
210	145.56	153.20	153.20
215	131.80	138.79	138.79
220	116.05	122.30	122.30
225	98.43	103.88	103.88
230	79.16	83.77	83.77
235	58.65	62.47	62.47
240	38.03	41.29	41.29
245	22.38	25.74	46.35
250	28.02	31.24	36.12
255	49.32	52.84	52.84
260	74.25	78.67	78.67
265	100.15	105.68	105.68
270	126.14	132.86	132.86
275	151.71	159.65	159.65
280	176.49	185.62	185.62
285	200.16	210.43	210.43
290	222.46	233.82	233.82
295	243.18	255.56	255.56
300	262.18	275.49	275.49
305	279.36	293.52	293.52
310	294.69	309.60	309.60
315	308.15	323.73	323.73
320	319.81	335.96	335.96
325	329.73	346.38	346.38
330	338.02	355.07	355.07
335	344.77	362.16	362.16
340	350.11	367.77	367.77
345	354.14	371.99	371.99
350	356.94	374.94	374.94
355	358.60	376.67	376.67

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission