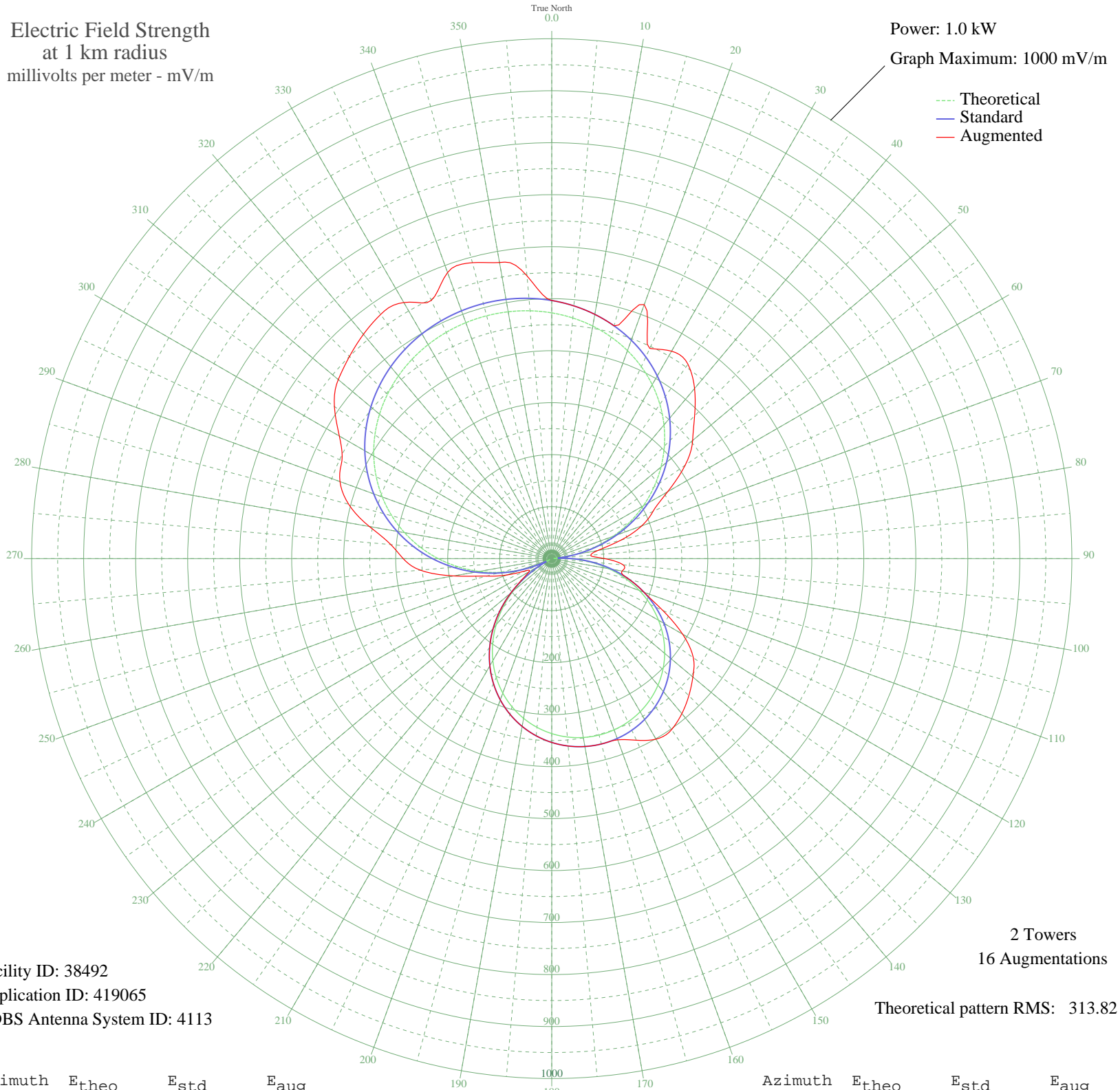


KTTO SPOKANE, WA BL-19800104AC 970 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 38492
Application ID: 419065
CDBS Antenna System ID: 4113

2 Towers
16 Augmentations
Theoretical pattern RMS: 313.82

Azimuth	Etheo	Estd	Eaug
0	472.74	496.51	496.51
5	464.68	488.04	488.04
10	454.23	477.07	477.07
15	441.28	463.48	463.48
20	425.72	447.14	519.98
25	407.43	427.95	446.11
30	386.35	405.82	460.77
35	362.44	380.73	456.55
40	335.72	352.68	427.20
45	306.26	321.77	388.48
50	274.23	288.15	353.61
55	239.83	252.06	313.12
60	203.36	213.81	257.39
65	165.18	173.80	214.73
70	125.72	132.47	183.96
75	85.42	90.37	138.12
80	44.79	48.32	89.67
85	4.32	11.99	75.30
90	35.49	38.89	102.01
95	74.17	78.66	137.94
100	111.27	117.36	137.45
105	146.42	154.14	154.14
110	179.28	188.57	188.57
115	209.59	220.35	235.44
120	237.14	249.25	290.62
125	261.81	275.12	332.30
130	283.49	297.87	354.23
135	302.14	317.45	372.81
140	317.77	333.85	389.21
145	330.39	347.08	401.63
150	340.02	357.19	400.92
155	346.70	364.21	385.39
160	350.47	368.16	370.90
165	351.34	369.07	369.07
170	349.31	366.95	366.95
175	344.38	361.77	361.77

Azimuth	Etheo	Estd	Eaug
180	336.52	353.52	353.52
185	325.70	342.17	342.17
190	311.88	327.67	327.67
195	295.05	310.00	310.00
200	275.18	289.15	289.15
205	252.30	265.14	265.14
210	226.46	238.04	238.04
215	197.78	207.97	207.97
220	166.43	175.10	175.10
225	132.62	139.69	139.69
230	96.64	102.08	102.08
235	58.86	62.79	68.79
240	19.68	23.46	50.63
245	20.45	24.17	55.58
250	61.05	65.05	91.96
255	101.61	107.26	129.49
260	141.63	149.12	191.58
265	180.63	189.99	253.76
270	218.17	229.35	285.60
275	253.85	266.77	310.67
280	287.34	301.91	356.09
285	318.37	334.47	404.20
290	346.74	364.25	433.25
295	372.35	391.12	445.13
300	395.12	415.03	471.54
305	415.08	435.97	510.15
310	432.26	454.01	535.80
315	446.77	469.24	550.00
320	458.70	481.76	563.27
325	468.18	491.72	573.41
330	475.33	499.22	568.80
335	480.24	504.37	548.03
340	482.98	507.25	585.63
345	483.62	507.92	589.34
350	482.14	506.37	578.37
355	478.54	502.59	546.03

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