

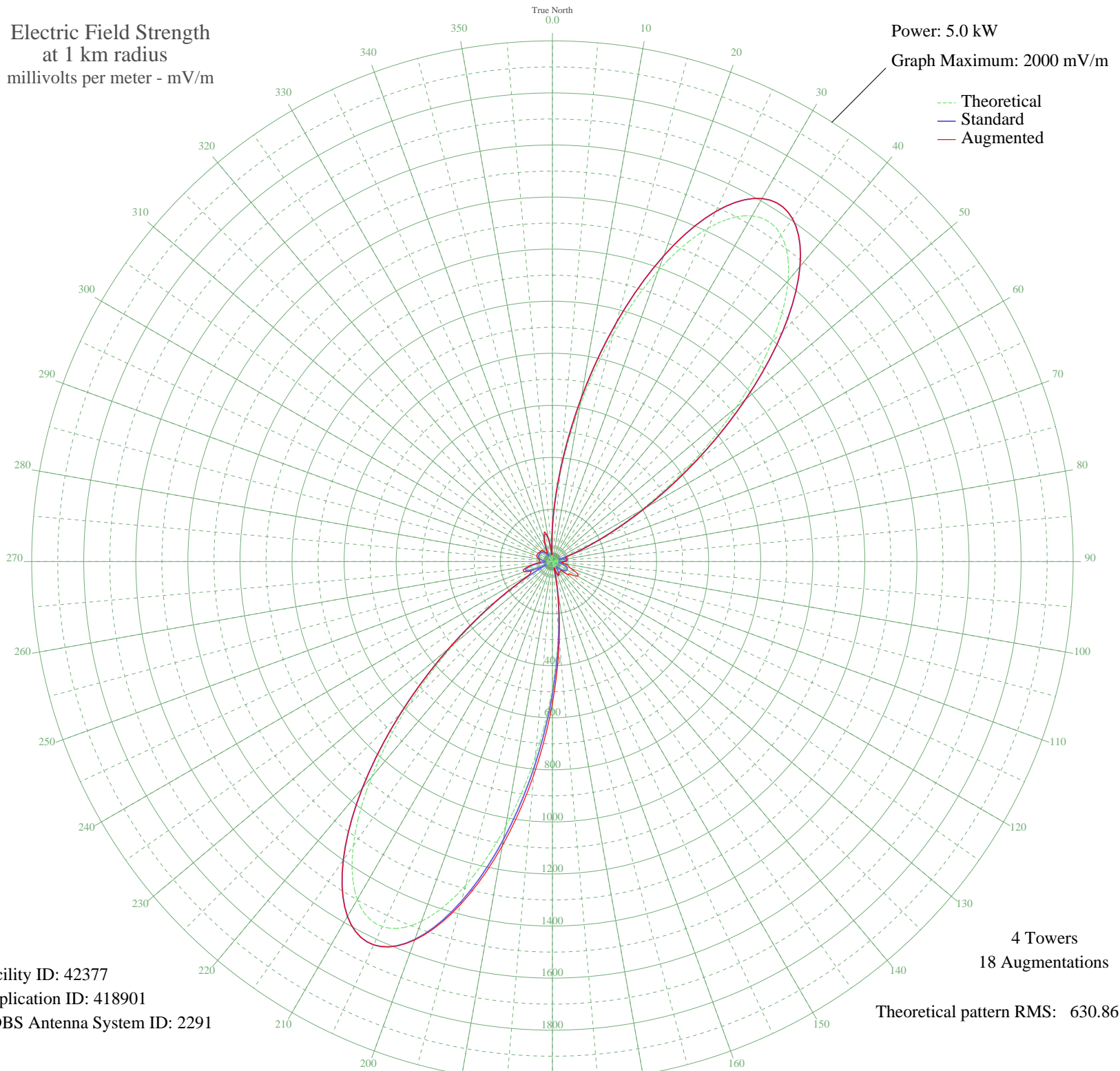
KNUS DENVER, CO BL-6044 710 kHz

Unlimited Time

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 42377
Application ID: 418901
CDBS Antenna System ID: 2291

4 Towers
18 Augmentations

Theoretical pattern RMS: 630.86

Azimuth	E _{theo}	E _{std}	E _{aug}
0	126.32	134.69	134.69
5	336.87	354.50	354.50
10	606.51	637.27	637.27
15	905.26	950.81	950.81
20	1189.74	1249.45	1249.45
25	1412.33	1483.14	1483.14
30	1533.18	1610.02	1610.02
35	1530.94	1607.66	1607.66
40	1408.47	1479.08	1479.08
45	1191.48	1251.28	1251.28
50	920.77	967.09	967.09
55	641.00	673.46	673.46
60	390.22	410.40	410.40
65	192.92	203.93	203.93
70	58.16	65.43	74.96
75	18.05	30.18	53.43
80	47.94	55.54	58.05
85	46.74	54.41	57.33
90	28.70	38.21	49.89
95	4.75	24.00	35.98
100	18.15	30.24	49.39
105	36.45	44.90	64.37
110	49.01	56.56	73.47
115	55.87	63.19	101.99
120	57.43	64.71	111.83
125	53.78	61.16	85.91
130	44.68	52.47	80.47
135	29.79	39.11	46.79
140	9.41	25.47	48.06
145	14.51	27.99	47.98
150	37.15	45.53	50.18
155	49.98	57.49	57.49
160	40.58	48.65	48.65
165	6.07	24.33	24.33
170	104.57	112.29	112.79
175	264.51	278.73	300.60

Azimuth	E _{theo}	E _{std}	E _{aug}
180	485.14	509.94	544.95
185	751.31	789.22	823.11
190	1032.59	1084.48	1108.39
195	1287.22	1351.79	1363.58
200	1470.68	1544.40	1547.22
205	1546.99	1624.51	1624.51
210	1498.93	1574.05	1574.05
215	1333.59	1400.46	1400.46
220	1080.75	1135.03	1135.03
225	784.83	824.41	824.41
230	493.11	518.30	518.30
235	244.46	257.76	260.01
240	62.02	69.22	107.10
245	48.55	56.13	89.98
250	95.97	103.46	113.50
255	97.37	104.90	112.95
260	72.11	79.27	83.50
265	36.94	45.34	52.34
270	3.51	23.77	47.80
275	22.07	32.99	49.34
280	38.30	46.56	53.91
285	46.58	54.25	60.07
290	49.67	57.20	64.37
295	50.32	57.81	64.58
300	50.34	57.84	64.22
305	50.21	57.71	60.78
310	48.87	56.43	60.54
315	44.05	51.87	59.19
320	32.89	41.76	52.50
325	12.96	27.14	41.53
330	16.17	28.97	39.90
335	51.32	58.78	62.18
340	84.24	91.52	92.15
345	101.07	108.69	117.48
350	83.59	90.86	90.86
355	12.65	26.98	26.98

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission