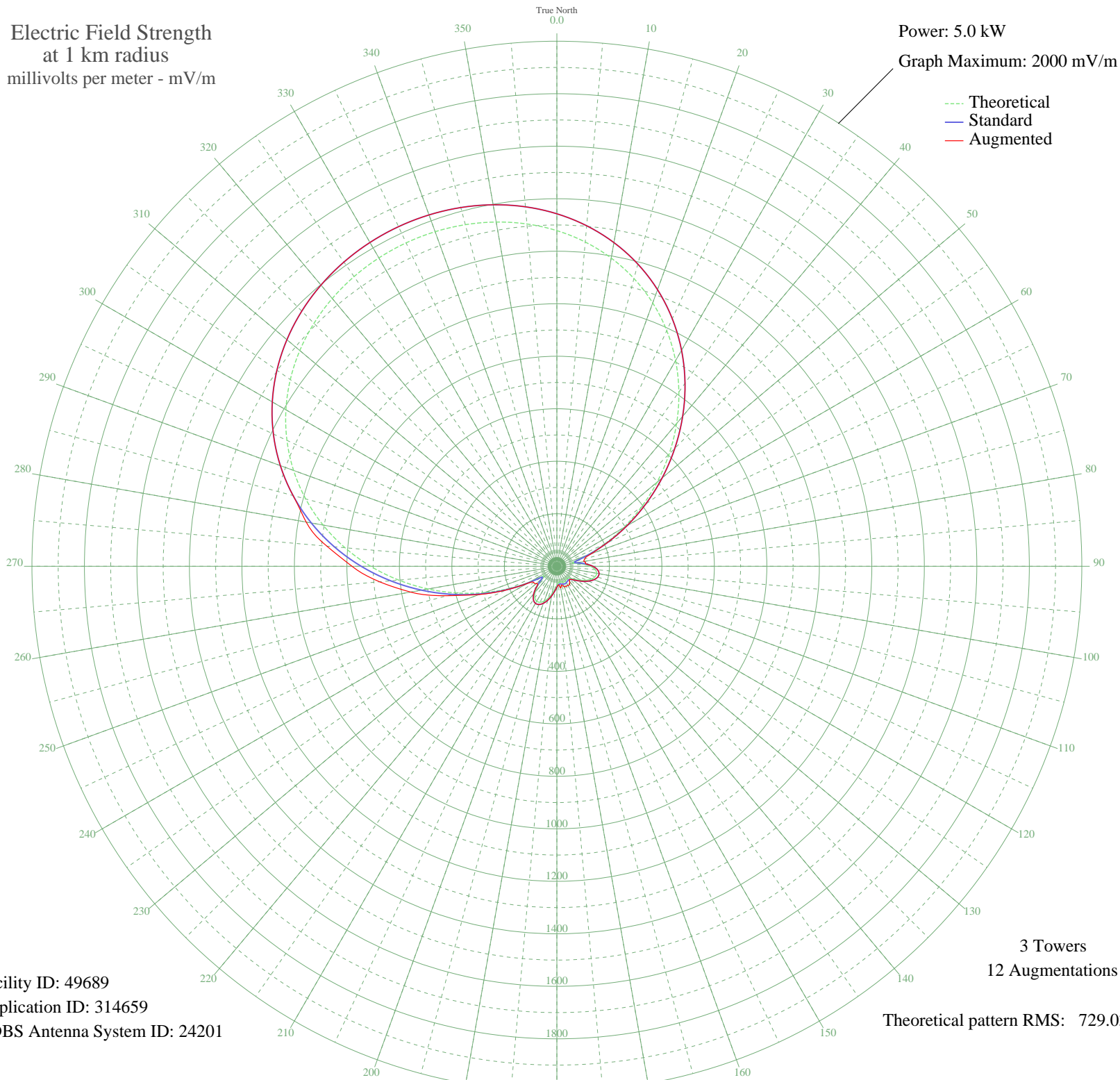


WEBC DULUTH, MN BL-- 560 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 49689
Application ID: 314659
CDBS Antenna System ID: 24201

3 Towers
12 Augmentations

Theoretical pattern RMS: 729.03

Azimuth	Etheo	Estd	Eaug
0	1278.52	1342.66	1342.66
5	1239.84	1302.05	1302.05
10	1192.10	1251.93	1251.93
15	1134.76	1191.74	1191.74
20	1067.58	1121.21	1121.21
25	990.65	1040.46	1040.46
30	904.54	950.07	950.07
35	810.36	851.21	851.21
40	709.72	745.59	745.59
45	604.81	635.50	635.50
50	498.23	523.69	523.69
55	392.96	413.31	413.31
60	292.26	307.81	307.81
65	199.76	211.11	211.11
70	120.51	128.77	140.11
75	67.37	74.68	110.90
80	68.50	75.79	104.63
85	100.08	107.77	109.97
90	128.48	137.00	137.00
95	146.56	155.74	155.74
100	153.77	163.22	163.22
105	151.25	160.60	160.60
110	140.92	149.89	149.89
115	125.14	133.56	133.56
120	106.53	114.38	114.38
125	87.98	95.43	95.43
130	72.62	79.91	79.91
135	63.22	70.56	70.56
140	60.55	67.93	75.22
145	62.26	69.61	84.19
150	64.88	72.20	84.55
155	66.01	73.32	83.93
160	64.88	72.20	82.65
165	62.26	69.61	73.51
170	60.55	67.93	83.69
175	63.22	70.56	70.56

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	72.62	79.91	79.91
185	87.98	95.43	95.43
190	106.53	114.38	114.38
195	125.14	133.56	133.56
200	140.92	149.89	149.89
205	151.25	160.60	160.60
210	153.77	163.22	163.22
215	146.56	155.74	155.74
220	128.48	137.00	137.00
225	100.08	107.77	107.77
230	68.50	75.79	102.88
235	67.37	74.68	107.74
240	120.51	128.77	131.41
245	199.76	211.11	214.32
250	292.26	307.81	314.14
255	392.96	413.31	432.95
260	498.23	523.69	566.05
265	604.81	635.50	677.96
270	709.72	745.59	780.56
275	810.36	851.21	879.66
280	904.54	950.07	969.88
285	990.65	1040.46	1040.46
290	1067.58	1121.21	1121.21
295	1134.76	1191.74	1191.74
300	1192.10	1251.93	1251.93
305	1239.84	1302.05	1302.05
310	1278.52	1342.66	1342.66
315	1308.82	1374.46	1374.46
320	1331.44	1398.22	1398.22
325	1347.06	1414.61	1414.61
330	1356.20	1424.21	1424.21
335	1359.20	1427.37	1427.37
340	1356.20	1424.21	1424.21
345	1347.06	1414.61	1414.61
350	1331.44	1398.22	1398.22
355	1308.82	1374.46	1374.46