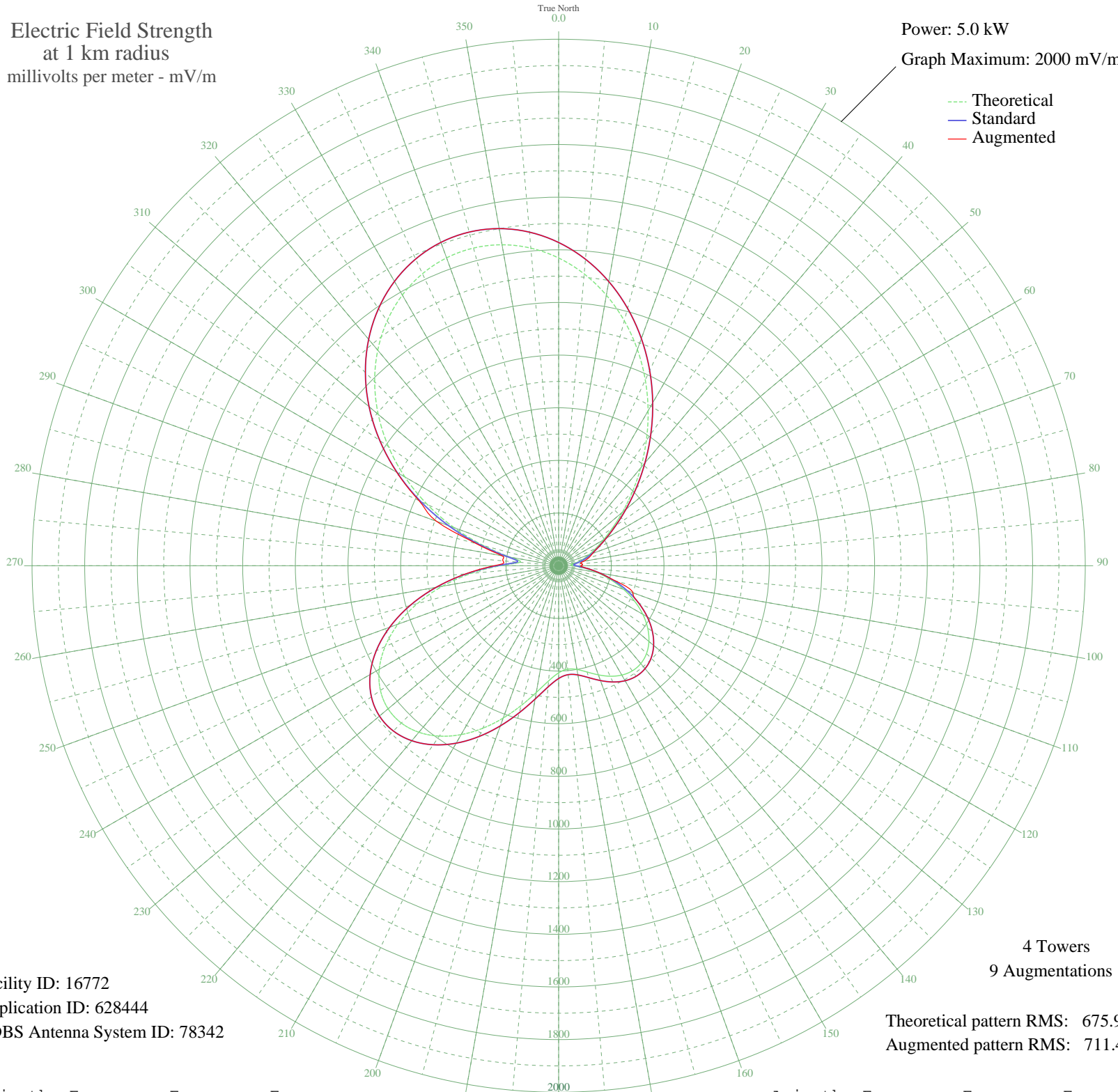


KBUL BILLINGS, MT BML-20030205AHD 970 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 16772
Application ID: 628444
CDBS Antenna System ID: 78342

Theoretical pattern RMS: 675.92
Augmented pattern RMS: 711.49

Azimuth	Etheo	Estd	Eaug
0	1169.04	1227.86	1227.86
5	1112.76	1168.80	1168.80
10	1043.63	1096.23	1096.23
15	963.38	1012.00	1012.00
20	874.18	918.39	918.39
25	778.61	818.11	818.11
30	679.64	714.27	714.27
35	580.50	610.28	610.28
40	484.62	509.76	509.76
45	395.44	416.32	416.32
50	316.15	333.34	333.34
55	249.30	263.52	263.52
60	196.10	208.14	208.14
65	155.54	166.12	166.12
70	123.94	133.64	137.40
75	96.25	105.53	119.12
80	69.13	78.68	95.72
85	47.39	58.30	87.32
90	55.27	65.50	84.36
95	94.91	104.18	105.61
100	147.16	157.48	157.48
105	204.30	216.66	224.51
110	262.33	277.12	300.22
115	318.16	335.44	335.44
120	369.08	388.72	388.72
125	412.81	434.51	434.51
130	447.52	470.88	470.88
135	471.91	496.44	496.44
140	485.27	510.44	510.44
145	487.58	512.86	512.86
150	479.61	504.51	504.51
155	463.12	487.22	487.22
160	441.09	464.15	464.15
165	418.06	440.01	440.01
170	400.16	421.27	421.27
175	394.50	415.34	415.34

Azimuth	Etheo	Estd	Eaug
180	406.92	428.34	428.34
185	439.28	462.25	462.25
190	488.78	514.11	514.11
195	549.73	578.02	578.02
200	615.82	647.32	647.32
205	681.18	715.88	715.88
210	740.73	778.36	778.36
215	790.16	830.22	830.22
220	825.88	867.70	867.70
225	845.05	887.82	887.82
230	845.61	888.41	888.41
235	826.31	868.15	868.15
240	786.75	826.65	826.65
245	727.41	764.39	764.40
250	649.61	682.77	683.04
255	555.55	584.12	584.92
260	448.47	471.87	473.15
265	333.45	351.44	354.16
270	221.19	234.23	244.49
275	147.79	158.13	212.37
280	185.15	196.77	217.69
285	295.35	311.60	323.68
290	422.49	444.65	493.61
295	550.59	578.92	585.04
300	673.90	708.25	709.73
305	789.27	829.29	829.29
310	894.56	939.78	939.78
315	988.16	1038.01	1038.01
320	1068.79	1122.64	1122.64
325	1135.45	1192.61	1192.61
330	1187.35	1247.08	1247.08
335	1223.87	1285.42	1285.42
340	1244.60	1307.19	1307.19
345	1249.34	1312.16	1312.16
350	1238.08	1300.34	1300.34
355	1211.12	1272.04	1272.04

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission