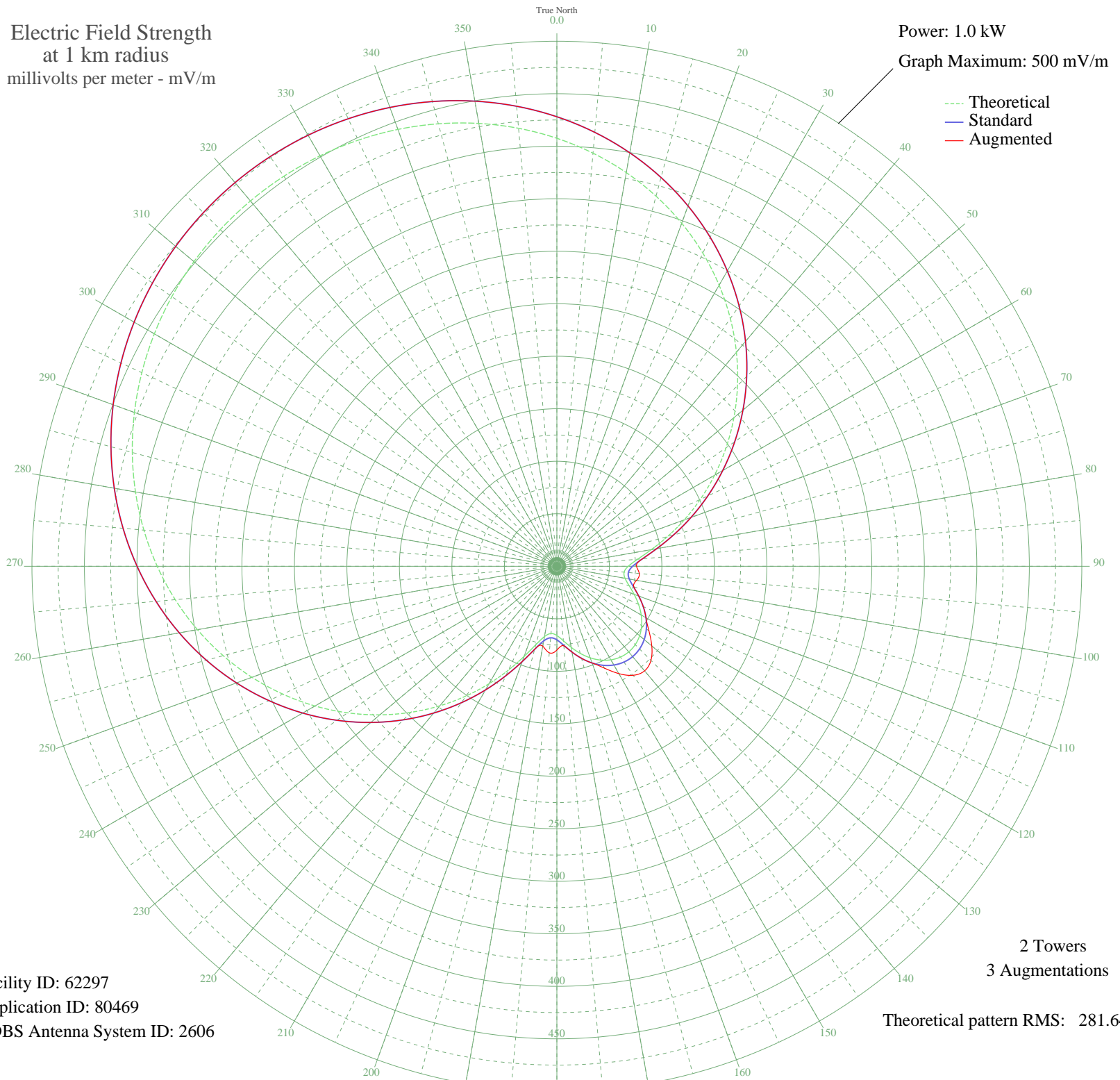


KATL MILES CITY, MT BL-19850726AA 770 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 62297  
Application ID: 80469  
CDBS Antenna System ID: 2606

Theoretical pattern RMS: 281.64

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	407.56	428.08	428.08
5	394.89	414.78	414.78
10	380.66	399.84	399.84
15	364.90	383.29	383.29
20	347.65	365.19	365.19
25	329.01	345.63	345.63
30	309.10	324.73	324.73
35	288.04	302.64	302.64
40	266.04	279.55	279.55
45	243.31	255.70	255.70
50	220.10	231.35	231.35
55	196.70	206.82	206.82
60	173.45	182.44	182.44
65	150.75	158.65	158.65
70	129.07	135.95	135.95
75	109.01	114.97	114.97
80	91.39	96.57	96.57
85	77.28	81.86	81.86
90	67.95	72.16	75.84
95	64.28	68.36	78.81
100	65.91	70.05	77.06
105	71.23	75.56	75.82
110	78.35	82.97	82.97
115	85.83	90.77	90.77
120	92.75	97.99	97.99
125	98.55	104.04	107.02
130	102.89	108.57	118.03
135	105.55	111.36	126.73
140	106.46	112.30	130.00
145	105.55	111.36	126.73
150	102.89	108.57	118.03
155	98.55	104.04	107.02
160	92.75	97.99	97.99
165	85.83	90.77	90.77
170	78.35	82.97	82.97
175	71.23	75.56	75.92

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	65.91	70.05	79.77
185	64.28	68.36	82.72
190	67.95	72.16	77.31
195	77.28	81.86	81.86
200	91.39	96.57	96.57
205	109.01	114.97	114.97
210	129.07	135.95	135.95
215	150.75	158.65	158.65
220	173.45	182.44	182.44
225	196.70	206.82	206.82
230	220.10	231.35	231.35
235	243.31	255.70	255.70
240	266.04	279.55	279.55
245	288.04	302.64	302.64
250	309.10	324.73	324.73
255	329.01	345.63	345.63
260	347.65	365.19	365.19
265	364.90	383.29	383.29
270	380.66	399.84	399.84
275	394.89	414.78	414.78
280	407.56	428.08	428.08
285	418.67	439.73	439.73
290	428.21	449.75	449.75
295	436.21	458.15	458.15
300	442.70	464.96	464.96
305	447.71	470.22	470.22
310	451.27	473.95	473.95
315	453.39	476.18	476.18
320	454.10	476.92	476.92
325	453.39	476.18	476.18
330	451.27	473.95	473.95
335	447.71	470.22	470.22
340	442.70	464.96	464.96
345	436.21	458.15	458.15
350	428.21	449.75	449.75
355	418.67	439.73	439.73