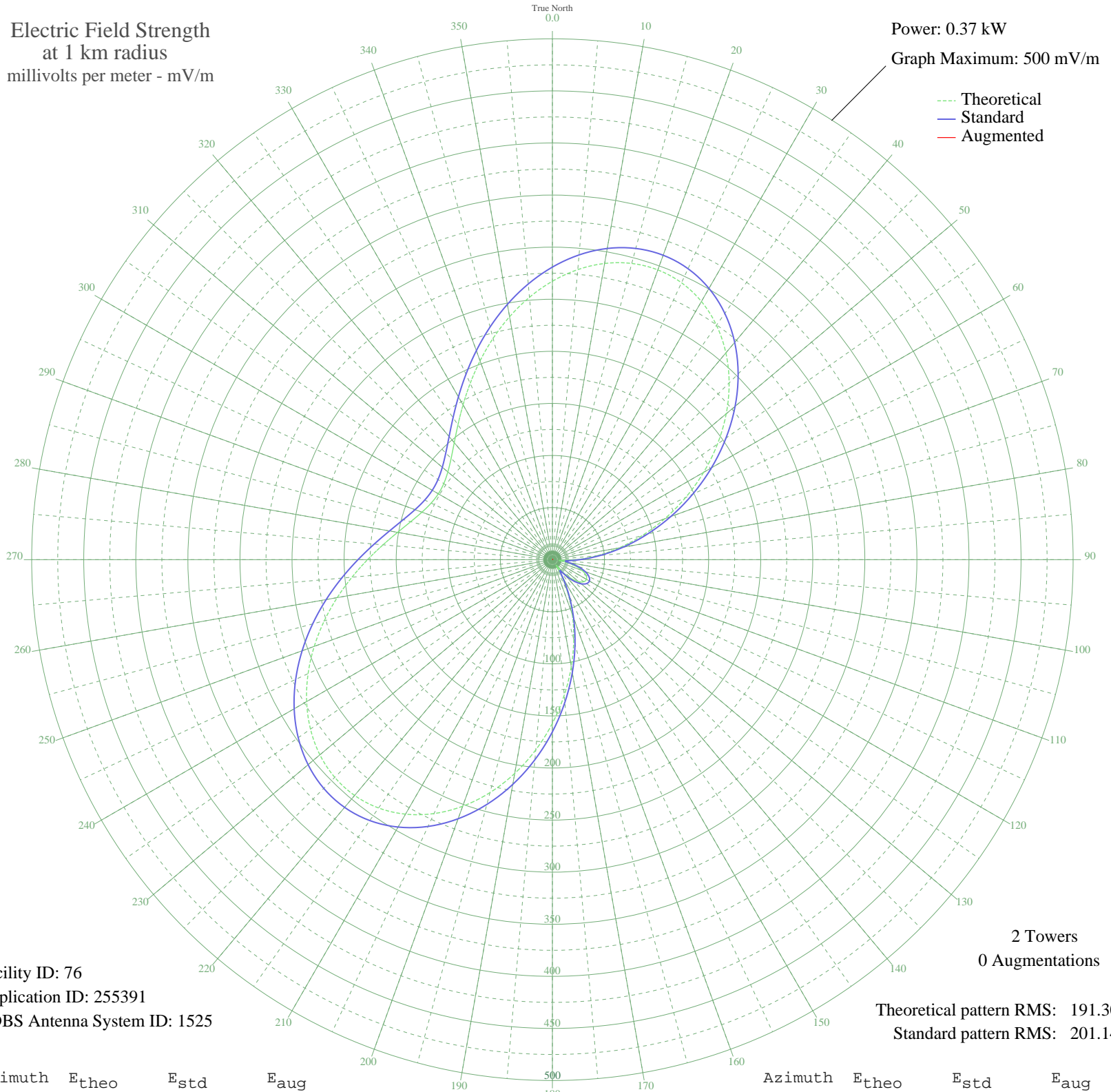


# KJJJ FERGUS FALLS, MN BL-19971010KB 1020 kHz

Nighttime

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

Power: 0.37 kW  
Graph Maximum: 500 mV/m



Facility ID: 76  
Application ID: 255391  
CDBS Antenna System ID: 1525

2 Towers  
0 Augmentations

Theoretical pattern RMS: 191.30  
Standard pattern RMS: 201.14

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	267.30	280.86	
5	279.50	293.66	
10	288.73	303.34	
15	294.39	309.29	
20	296.03	311.01	
25	293.33	308.17	
30	286.19	300.68	
35	274.70	288.63	
40	259.15	272.31	
45	240.01	252.23	
50	217.89	229.03	
55	193.52	203.47	
60	167.68	176.38	
65	141.16	148.59	
70	114.74	120.94	
75	89.13	94.17	
80	64.94	69.00	
85	42.75	46.10	
90	23.10	26.43	
95	7.78	13.30	
100	11.39	15.92	
105	22.07	25.44	
110	30.32	33.53	
115	35.60	38.82	
120	37.78	41.03	
125	36.84	40.08	
130	32.80	36.00	
135	25.71	28.97	
140	15.85	19.68	
145	6.18	12.34	
150	16.18	19.97	
155	34.54	37.76	
160	55.80	59.52	
165	79.25	83.87	
170	104.36	110.08	
175	130.54	137.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	157.11	165.30	
185	183.31	192.77	
190	208.37	219.04	
195	231.48	243.28	
200	251.89	264.69	
205	268.94	282.59	
210	282.10	296.39	
215	291.01	305.74	
220	295.48	310.43	
225	295.55	310.51	
230	291.45	306.20	
235	283.58	297.94	
240	272.49	286.31	
245	258.84	271.99	
250	243.35	255.73	
255	226.77	238.34	
260	209.82	220.56	
265	193.19	203.12	
270	177.49	186.66	
275	163.26	171.74	
280	150.93	158.82	
285	140.86	148.27	
290	133.31	140.37	
295	128.47	135.30	
300	126.46	133.20	
305	127.33	134.10	
310	131.04	137.99	
315	137.52	144.78	
320	146.61	154.30	
325	158.07	166.31	
330	171.59	180.48	
335	186.77	196.38	
340	203.09	213.51	
345	219.99	231.23	
350	236.81	248.87	
355	252.82	265.67	

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