

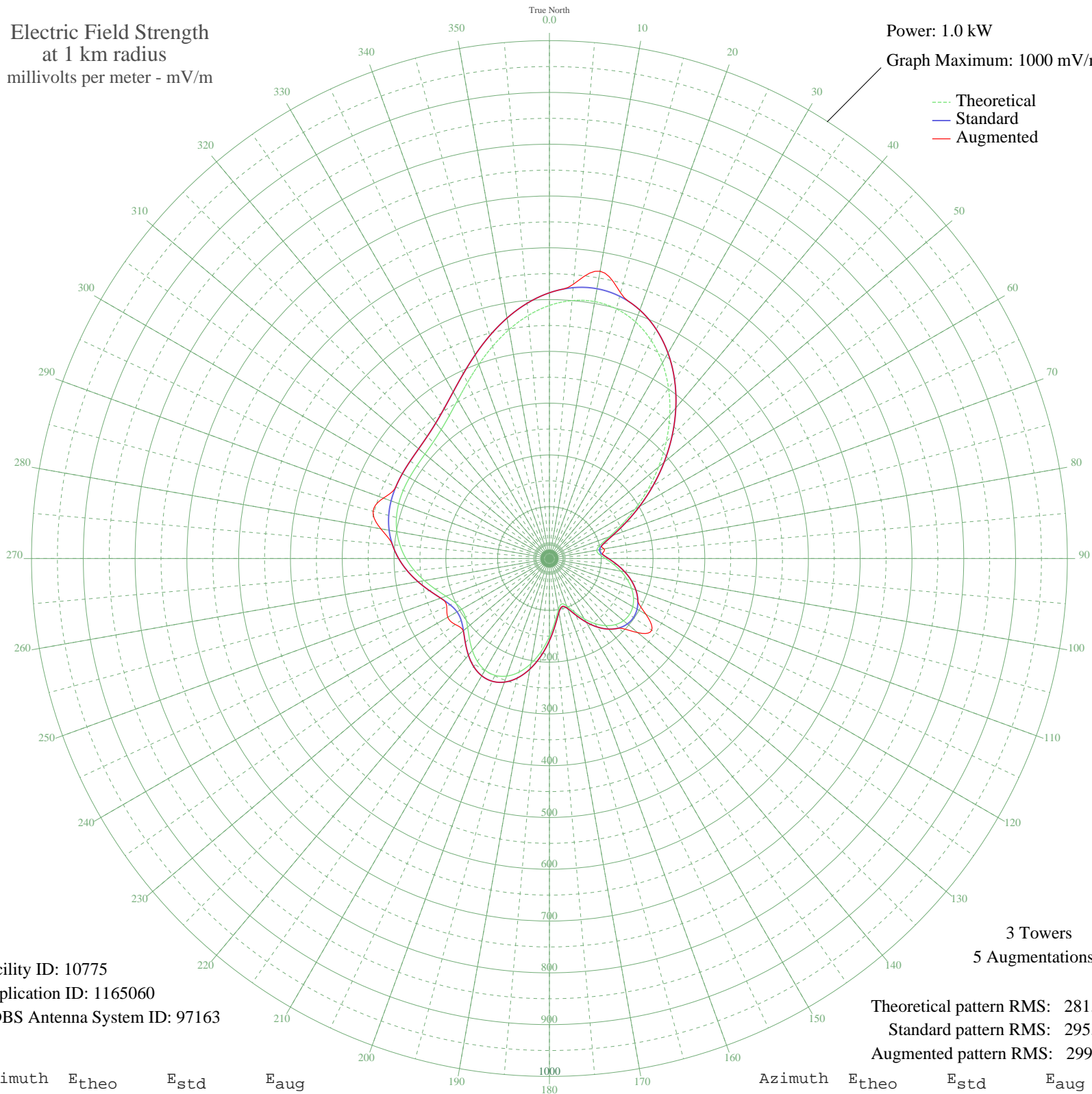
KMNS SIOUX CITY, IA BL-20061205AEJ 620 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 10775
Application ID: 1165060
CDBS Antenna System ID: 97163

3 Towers
5 Augmentations

Theoretical pattern RMS: 281.64
Standard pattern RMS: 295.90
Augmented pattern RMS: 299.40

Azimuth	Etheo	Estd	Eaug
0	488.64	513.18	513.18
5	499.95	525.06	531.72
10	503.74	529.03	563.27
15	499.22	524.29	530.96
20	486.14	510.56	510.56
25	464.82	488.17	488.17
30	436.07	457.99	457.99
35	401.11	421.29	421.29
40	361.48	379.70	379.70
45	318.87	334.98	334.98
50	275.05	289.00	289.00
55	231.75	243.56	243.56
60	190.69	200.50	200.50
65	153.71	161.74	161.74
70	123.09	129.67	129.67
75	101.83	107.44	107.44
80	92.89	98.10	107.12
85	96.32	101.67	102.63
90	108.16	114.05	114.05
95	123.83	130.44	130.44
100	140.23	147.61	147.61
105	155.57	163.69	163.69
110	168.78	177.53	177.53
115	179.08	188.33	188.33
120	185.86	195.43	214.90
125	188.59	198.30	241.13
130	186.87	196.49	222.62
135	180.41	189.72	190.03
140	169.18	177.94	177.94
145	153.52	161.54	161.54
150	134.46	141.58	141.58
155	114.25	120.42	120.42
160	97.32	102.72	102.72
165	90.82	95.94	95.94
170	100.11	105.64	105.64
175	122.37	128.92	128.92

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	150.77	158.66	158.66
185	179.87	189.16	189.16
190	206.13	216.69	216.69
195	227.20	238.79	238.79
200	241.65	253.95	253.95
205	248.80	261.45	261.45
210	248.78	261.43	261.43
215	242.47	254.81	254.81
220	231.57	243.38	243.38
225	218.48	229.65	229.65
230	206.20	216.76	217.28
235	197.86	208.01	221.94
240	195.90	205.96	226.60
245	201.16	211.48	218.83
250	212.62	223.50	223.50
255	228.09	239.72	239.72
260	245.19	257.66	257.66
265	261.97	275.27	275.27
270	277.05	291.09	291.09
275	289.57	304.23	304.23
280	299.15	314.29	330.59
285	305.76	321.22	352.44
290	309.69	325.35	341.12
295	311.50	327.25	327.25
300	312.03	327.80	327.80
305	312.35	328.13	328.13
310	313.74	329.59	329.59
315	317.56	333.60	333.60
320	325.04	341.45	341.45
325	337.02	354.03	354.03
330	353.74	371.58	371.58
335	374.70	393.58	393.58
340	398.72	418.79	418.79
345	424.11	445.44	445.44
350	448.91	471.47	471.47
355	471.07	494.73	494.73