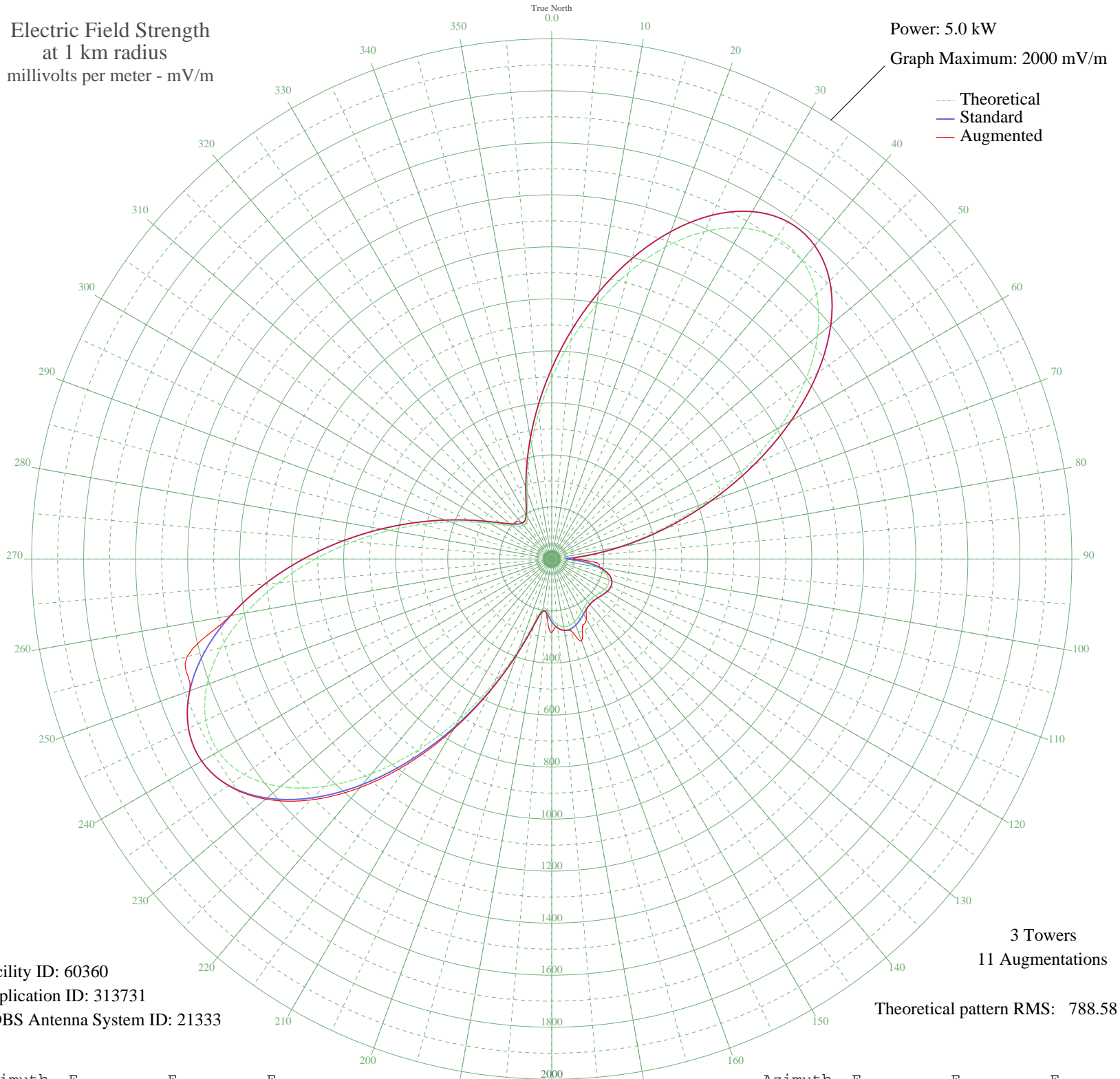


# WOC DAVENPORT, IA BL-- 1420 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 60360  
Application ID: 313731  
CDBS Antenna System ID: 21333

3 Towers  
11 Augmentations  
Theoretical pattern RMS: 788.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	697.54	732.79	732.79
5	841.82	884.22	884.22
10	991.98	1041.84	1041.84
15	1139.82	1197.04	1197.04
20	1275.54	1339.52	1339.52
25	1388.57	1458.19	1458.19
30	1468.63	1542.24	1542.24
35	1507.05	1582.58	1582.58
40	1498.03	1573.10	1573.10
45	1439.60	1511.76	1511.76
50	1334.15	1401.06	1401.06
55	1188.31	1247.94	1247.94
60	1012.18	1063.05	1063.05
65	818.17	859.40	859.40
70	619.41	650.80	650.80
75	428.39	450.42	450.42
80	255.90	269.72	269.72
85	112.41	120.34	127.19
90	49.97	57.48	82.91
95	118.27	126.38	176.60
100	177.53	187.88	188.82
105	214.73	226.69	226.69
110	233.27	246.05	246.05
115	238.15	251.15	251.15
120	234.51	247.36	247.36
125	227.06	239.57	239.57
130	219.70	231.87	231.87
135	215.34	227.33	227.33
140	215.77	227.77	227.77
145	221.47	233.72	233.72
150	231.66	244.37	266.10
155	244.35	257.64	282.36
160	256.58	270.43	334.79
165	264.60	278.82	285.71
170	264.40	278.61	278.61
175	252.55	266.22	266.22

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	228.35	240.91	282.75
185	199.38	210.66	216.08
190	193.37	204.39	204.39
195	249.46	262.98	262.98
200	368.38	387.51	387.51
205	527.60	554.48	559.30
210	708.85	744.66	756.85
215	896.91	942.04	958.49
220	1077.28	1131.39	1147.46
225	1236.20	1298.23	1310.21
230	1361.67	1429.95	1436.34
235	1444.69	1517.11	1518.88
240	1480.23	1554.42	1554.42
245	1467.68	1541.24	1541.24
250	1410.66	1481.38	1481.38
255	1316.35	1382.36	1451.85
260	1194.29	1254.22	1254.22
265	1055.11	1108.12	1108.12
270	909.29	955.04	955.04
275	766.10	804.75	804.75
280	632.98	665.04	665.04
285	515.19	541.45	541.45
290	415.81	437.23	437.23
295	335.92	353.49	353.49
300	274.77	289.47	289.47
305	230.21	242.85	242.85
310	199.23	210.51	210.51
315	179.15	189.57	197.48
320	168.90	178.89	183.35
325	170.00	180.04	180.04
330	186.12	196.84	196.84
335	220.96	233.19	233.19
340	276.44	291.21	291.21
345	352.85	371.24	371.24
350	449.63	472.70	472.70
355	565.39	594.12	594.12