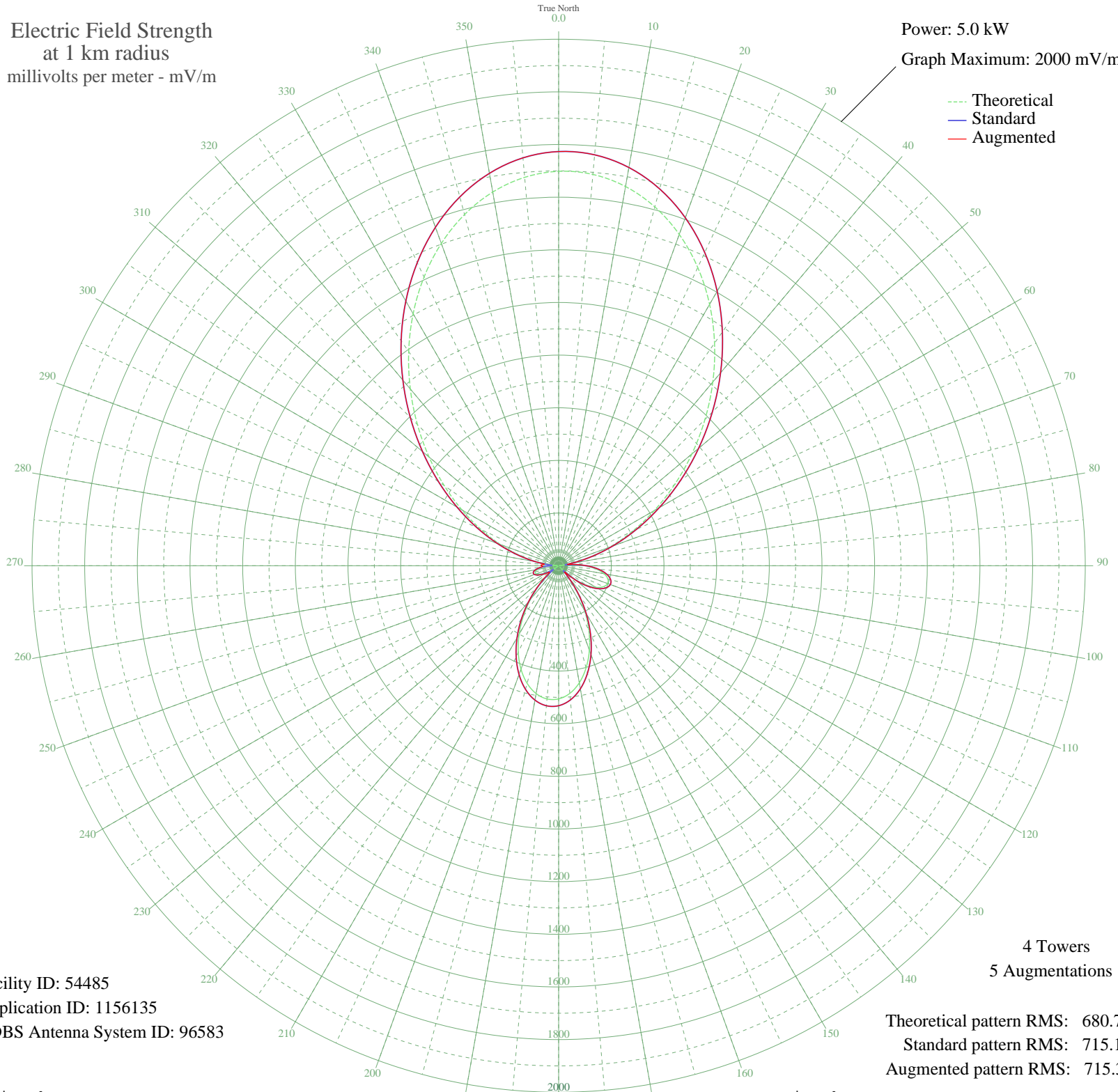


WKZO KALAMAZOO, MI BL-20061016AEP 590 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 54485
Application ID: 1156135
CDBS Antenna System ID: 96583

Theoretical pattern RMS: 680.75
Standard pattern RMS: 715.17
Augmented pattern RMS: 715.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1498.26	1573.35	1573.35
5	1492.14	1566.93	1566.93
10	1462.76	1536.08	1536.08
15	1411.19	1481.93	1481.93
20	1339.39	1406.56	1406.56
25	1250.08	1312.79	1312.79
30	1146.50	1204.05	1204.05
35	1032.20	1084.07	1084.07
40	910.82	956.65	956.65
45	785.86	825.49	825.49
50	660.54	693.96	693.96
55	537.70	565.07	565.07
60	419.76	441.37	441.37
65	308.69	324.98	324.98
70	206.09	217.67	217.67
75	113.24	121.20	121.20
80	31.12	40.26	41.16
85	39.42	47.60	57.94
90	97.70	105.24	105.59
95	143.11	152.10	152.10
100	175.16	185.41	185.41
105	193.43	204.45	204.45
110	197.66	208.87	208.87
115	187.81	198.60	198.60
120	164.15	173.95	174.01
125	127.30	135.72	136.29
130	78.39	85.60	87.55
135	19.04	30.86	37.30
140	48.57	56.16	59.56
145	121.71	129.94	130.82
150	197.19	208.38	208.53
155	271.51	286.05	286.05
160	341.01	358.83	358.83
165	402.12	422.88	422.88
170	451.60	474.77	474.77
175	486.82	511.70	511.70

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 _{theo}	E _{std}	E _{aug}
180	505.90	531.72	531.72
185	507.96	533.87	533.87
190	493.10	518.29	518.29
195	462.48	486.17	486.17
200	418.15	439.69	439.69
205	362.90	381.77	381.77
210	300.05	315.93	315.93
215	233.18	245.96	245.96
220	165.86	175.73	176.62
225	101.47	109.10	112.89
230	43.00	50.90	61.69
235	7.07	24.66	42.14
240	46.79	54.46	60.84
245	74.80	81.98	83.34
250	90.25	97.64	97.64
255	92.72	100.16	100.16
260	82.16	89.41	89.41
265	58.75	66.02	69.76
270	22.86	33.60	65.23
275	25.05	35.28	56.90
280	84.44	91.73	91.73
285	154.76	164.19	164.19
290	235.36	248.24	248.24
295	325.49	342.57	342.57
300	424.23	446.07	446.07
305	530.41	557.43	557.43
310	642.51	675.04	675.04
315	758.61	796.89	796.89
320	876.37	920.49	920.49
325	992.98	1042.89	1042.89
330	1105.26	1160.76	1160.76
335	1209.74	1270.45	1270.45
340	1302.86	1368.20	1368.20
345	1381.12	1450.36	1450.36
350	1441.37	1513.63	1513.63
355	1481.03	1555.26	1555.26