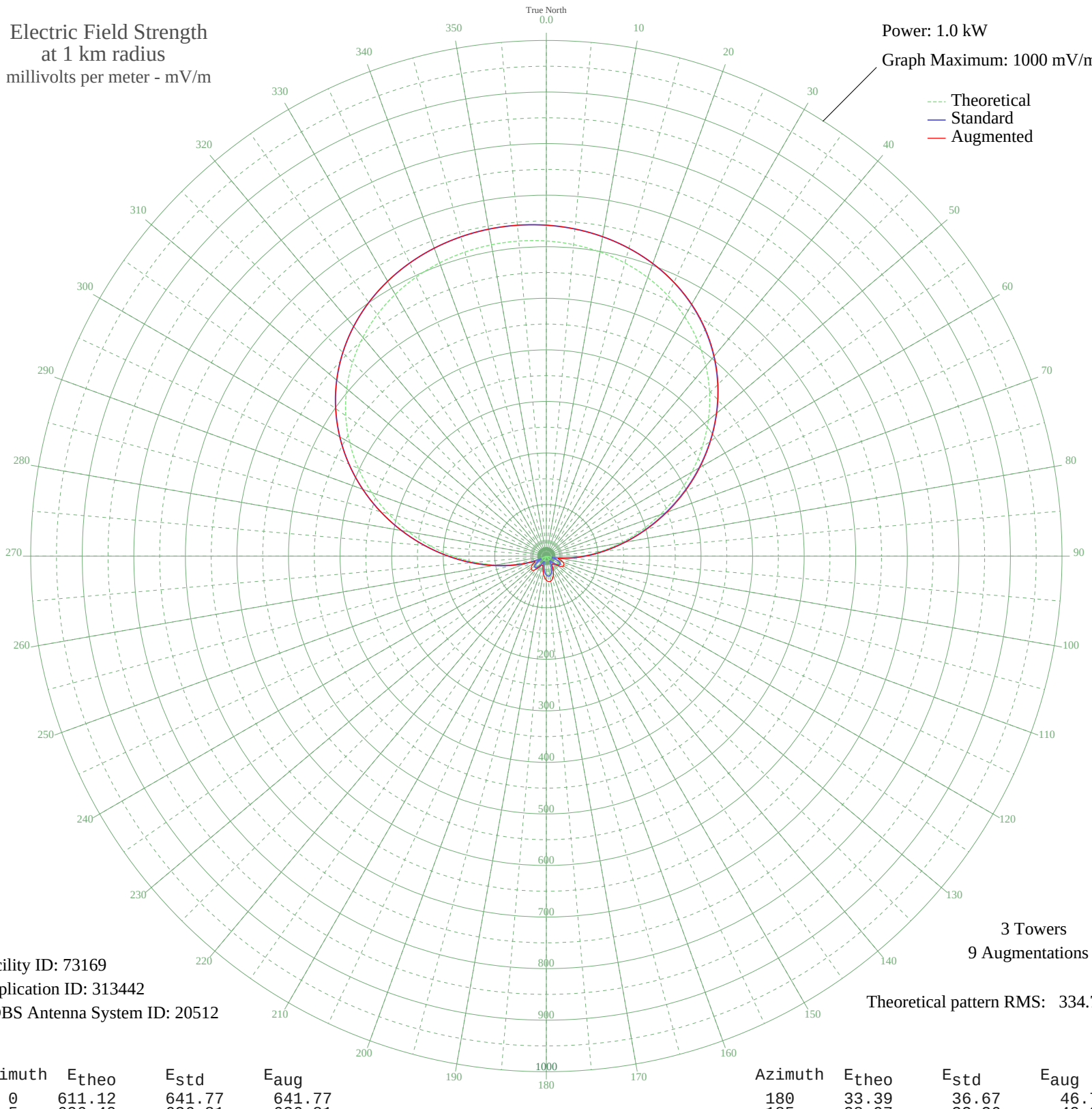
WLJW CADILLAC, MI BL-- 1370 kHz

Nighttime



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

Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
9 Augmentations

Facility ID: 73169
Application ID: 313442
CDBS Antenna System ID: 20512

Theoretical pattern RMS: 334.74

Azimuth	E_{theo}	E_{std}	E_{aug}
0	611.12	641.77	641.77
5	606.40	636.81	636.81
10	598.96	629.00	629.00
15	588.54	618.06	618.06
20	574.83	603.66	603.82
25	557.50	585.47	585.94
30	536.26	563.18	563.96
35	510.90	536.55	537.50
40	481.32	505.50	506.38
45	447.61	470.11	470.71
50	410.05	430.69	431.19
55	369.15	387.75	388.59
60	325.65	342.10	343.57
65	280.50	294.72	296.67
70	234.81	246.79	248.82
75	189.81	199.59	201.19
80	146.75	154.46	155.24
85	106.82	112.68	112.74
90	71.08	75.40	75.40
95	40.36	43.72	43.72
100	15.25	19.28	23.61
105	3.98	11.53	27.70
110	17.35	21.15	34.28
115	25.17	28.53	37.57
120	28.00	31.30	38.62
125	26.57	29.90	35.27
130	21.76	25.25	27.79
135	14.51	18.64	23.04
140	5.75	12.32	19.82
145	3.63	11.40	19.67
150	12.80	17.21	24.86
155	21.06	24.58	32.48
160	27.83	31.14	39.90
165	32.68	35.96	45.82
170	35.31	38.60	49.31
175	35.55	38.84	49.63

Azimuth	E_{theo}	E_{std}	E_{aug}
180	33.39	36.67	46.76
185	28.97	32.26	40.96
190	22.55	26.00	33.47
195	14.54	18.67	25.67
200	5.50	12.20	19.94
205	3.89	11.50	19.43
210	12.85	17.25	22.31
215	20.48	24.04	27.50
220	25.85	29.19	35.08
225	28.03	31.33	38.62
230	26.12	29.45	38.11
235	19.34	22.98	35.24
240	7.12	13.09	29.53
245	10.93	15.72	23.96
250	34.88	38.16	38.31
255	64.51	68.58	68.58
260	99.31	104.83	104.83
265	138.48	145.80	145.80
270	181.01	190.36	190.36
275	225.72	237.25	237.25
280	271.36	285.13	285.13
285	316.72	332.72	332.72
290	360.63	378.81	378.81
295	402.11	422.36	422.36
300	440.39	462.54	462.54
305	474.90	498.77	498.77
310	505.32	530.70	530.70
315	531.52	558.20	558.20
320	553.57	581.35	581.35
325	571.66	600.34	600.34
330	586.07	615.47	615.47
335	597.12	627.07	627.07
340	605.14	635.48	635.48
345	610.39	641.00	641.00
350	613.08	643.82	643.82
355	613.32	644.07	644.07

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.

04 Jul 2009

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