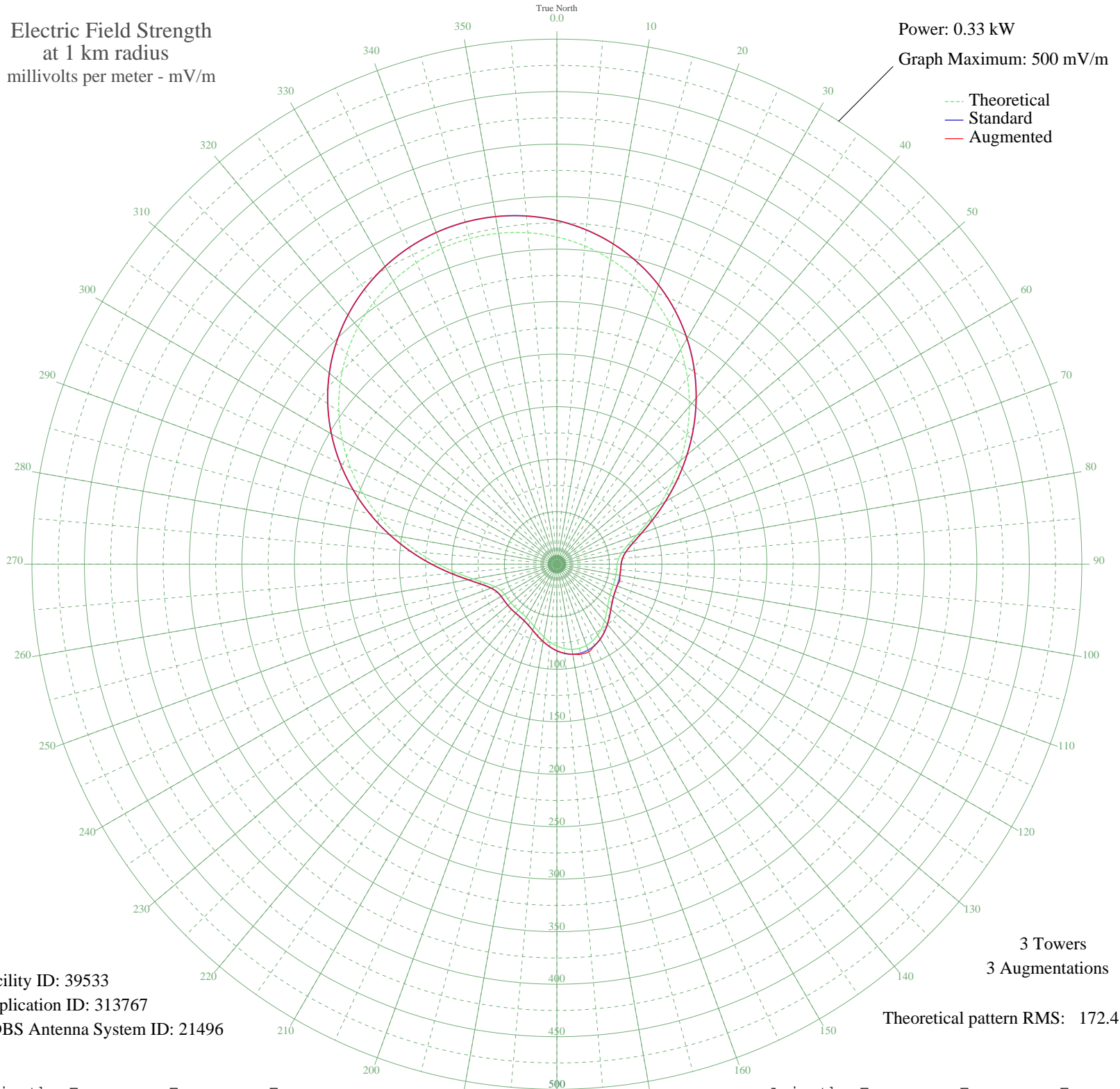


WION IONIA, MI BL-9442 1430 kHz

Nighttime

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

Power: 0.33 kW
Graph Maximum: 500 mV/m



Facility ID: 39533
Application ID: 313767
CDBS Antenna System ID: 21496

3 Towers
3 Augmentations
Theoretical pattern RMS: 172.41

Azimuth	Etheo	Estd	Eaug
0	311.59	327.34	327.34
5	304.23	319.61	319.61
10	294.72	309.63	309.63
15	283.06	297.40	297.40
20	269.30	282.96	282.96
25	253.54	266.42	266.42
30	235.93	247.95	247.95
35	216.74	227.82	227.82
40	196.32	206.40	206.40
45	175.14	184.19	184.19
50	153.76	161.79	161.79
55	132.86	139.90	139.90
60	113.20	119.33	119.33
65	95.62	100.95	100.95
70	80.96	85.66	85.66
75	69.91	74.15	74.15
80	62.72	66.68	66.68
85	58.92	62.75	62.75
90	57.46	61.24	61.24
95	57.16	60.93	60.93
100	57.19	60.96	60.96
105	57.18	60.95	62.00
110	57.18	60.95	60.95
115	57.48	61.26	61.26
120	58.44	62.25	62.25
125	60.31	64.19	64.19
130	63.11	67.10	67.10
135	66.66	70.78	70.78
140	70.58	74.85	74.85
145	74.46	78.89	78.89
150	77.91	82.48	82.48
155	80.61	85.29	85.29
160	82.33	87.08	88.90
165	82.92	87.69	88.90
170	82.33	87.08	87.08
175	80.61	85.29	85.29

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

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	77.91	82.48	82.48
185	74.46	78.89	78.89
190	70.58	74.85	74.85
195	66.66	70.78	70.78
200	63.11	67.10	67.10
205	60.31	64.19	64.19
210	58.44	62.25	62.25
215	57.48	61.26	61.26
220	57.18	60.95	60.95
225	57.18	60.95	60.95
230	57.19	60.96	60.96
235	57.16	60.93	60.93
240	57.46	61.24	61.24
245	58.92	62.75	62.75
250	62.72	66.68	66.68
255	69.91	74.15	74.15
260	80.96	85.66	85.66
265	95.62	100.95	100.95
270	113.20	119.33	119.33
275	132.86	139.90	139.90
280	153.76	161.79	161.79
285	175.14	184.19	184.19
290	196.32	206.40	206.40
295	216.74	227.82	227.82
300	235.93	247.95	247.95
305	253.54	266.42	266.42
310	269.30	282.96	282.96
315	283.06	297.40	297.40
320	294.72	309.63	309.63
325	304.23	319.61	319.61
330	311.59	327.34	327.34
335	316.82	332.83	332.83
340	319.94	336.11	336.11
345	320.98	337.20	337.20
350	319.94	336.11	336.11
355	316.82	332.83	332.83