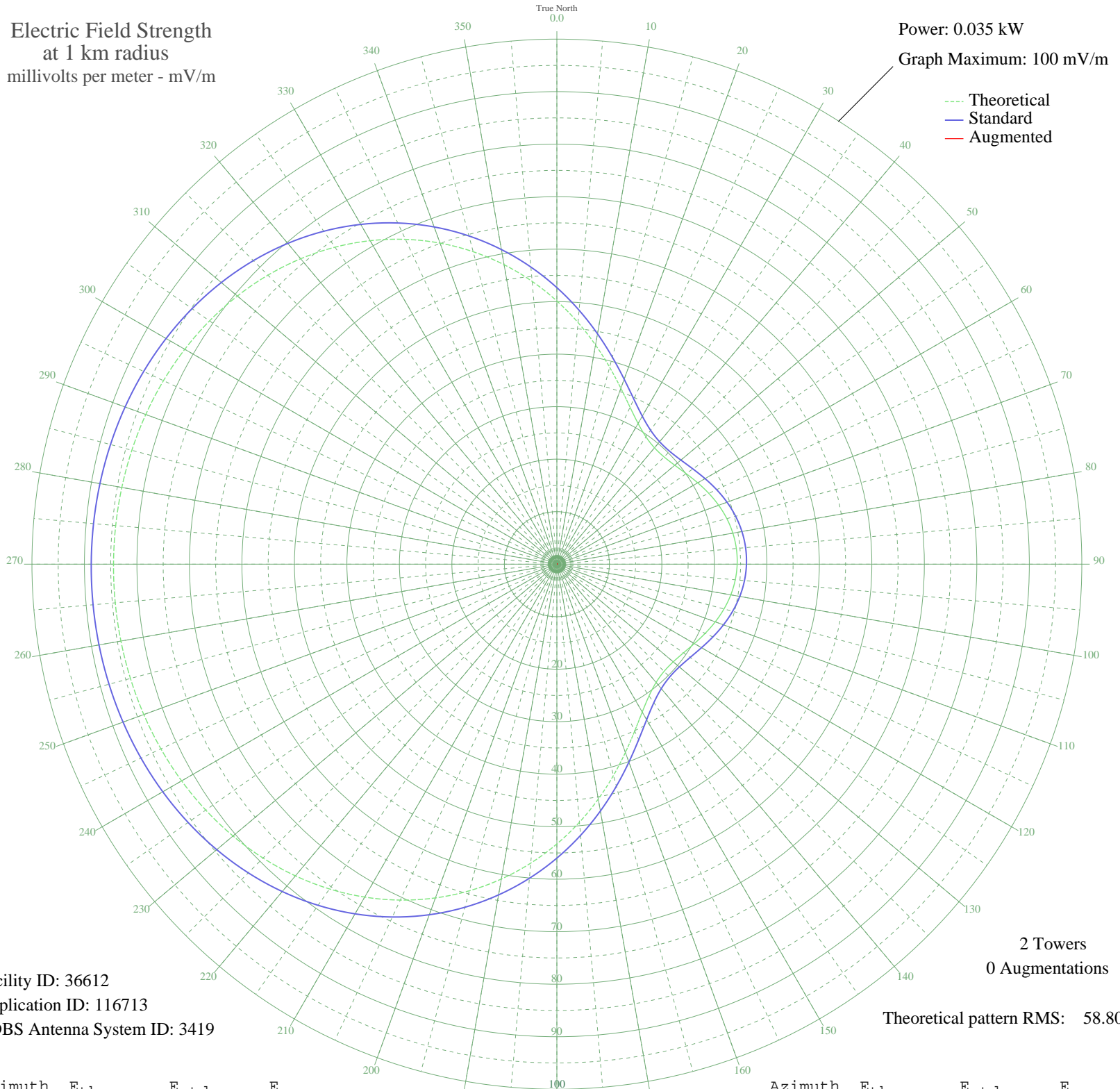


WGTO CASSOPOLIS, MI BL-19880804AF 910 kHz

Nighttime

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

Power: 0.035 kW
Graph Maximum: 100 mV/m



Facility ID: 36612
Application ID: 116713
CDBS Antenna System ID: 3419

2 Towers
0 Augmentations

Theoretical pattern RMS: 58.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	50.13	52.67	
5	46.20	48.55	
10	42.39	44.56	
15	38.83	40.82	
20	35.65	37.49	
25	32.98	34.69	
30	30.94	32.55	
35	29.59	31.13	
40	28.93	30.44	
45	28.88	30.39	
50	29.32	30.84	
55	30.07	31.63	
60	30.98	32.59	
65	31.93	33.58	
70	32.80	34.50	
75	33.52	35.25	
80	34.04	35.80	
85	34.32	36.09	
90	34.35	36.12	
95	34.12	35.88	
100	33.64	35.38	
105	32.96	34.66	
110	32.11	33.77	
115	31.17	32.79	
120	30.24	31.81	
125	29.45	30.98	
130	28.94	30.45	
135	28.88	30.38	
140	29.41	30.94	
145	30.62	32.21	
150	32.52	34.21	
155	35.07	36.88	
160	38.16	40.12	
165	41.66	43.78	
170	45.43	47.74	
175	49.34	51.84	

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	53.28	55.98	
185	57.16	60.05	
190	60.89	63.96	
195	64.40	67.65	
200	67.64	71.05	
205	70.59	74.15	
210	73.22	76.90	
215	75.51	79.31	
220	77.49	81.39	
225	79.16	83.14	
230	80.54	84.59	
235	81.66	85.76	
240	82.54	86.69	
245	83.23	87.41	
250	83.74	87.95	
255	84.10	88.33	
260	84.33	88.57	
265	84.45	88.69	
270	84.46	88.70	
275	84.36	88.60	
280	84.16	88.39	
285	83.82	88.03	
290	83.34	87.53	
295	82.70	86.85	
300	81.85	85.97	
305	80.78	84.84	
310	79.46	83.45	
315	77.85	81.76	
320	75.93	79.76	
325	73.70	77.41	
330	71.14	74.72	
335	68.26	71.70	
340	65.07	68.35	
345	61.61	64.72	
350	57.92	60.85	
355	54.07	56.80	

06 Nov 2009

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Federal Communications Commission