

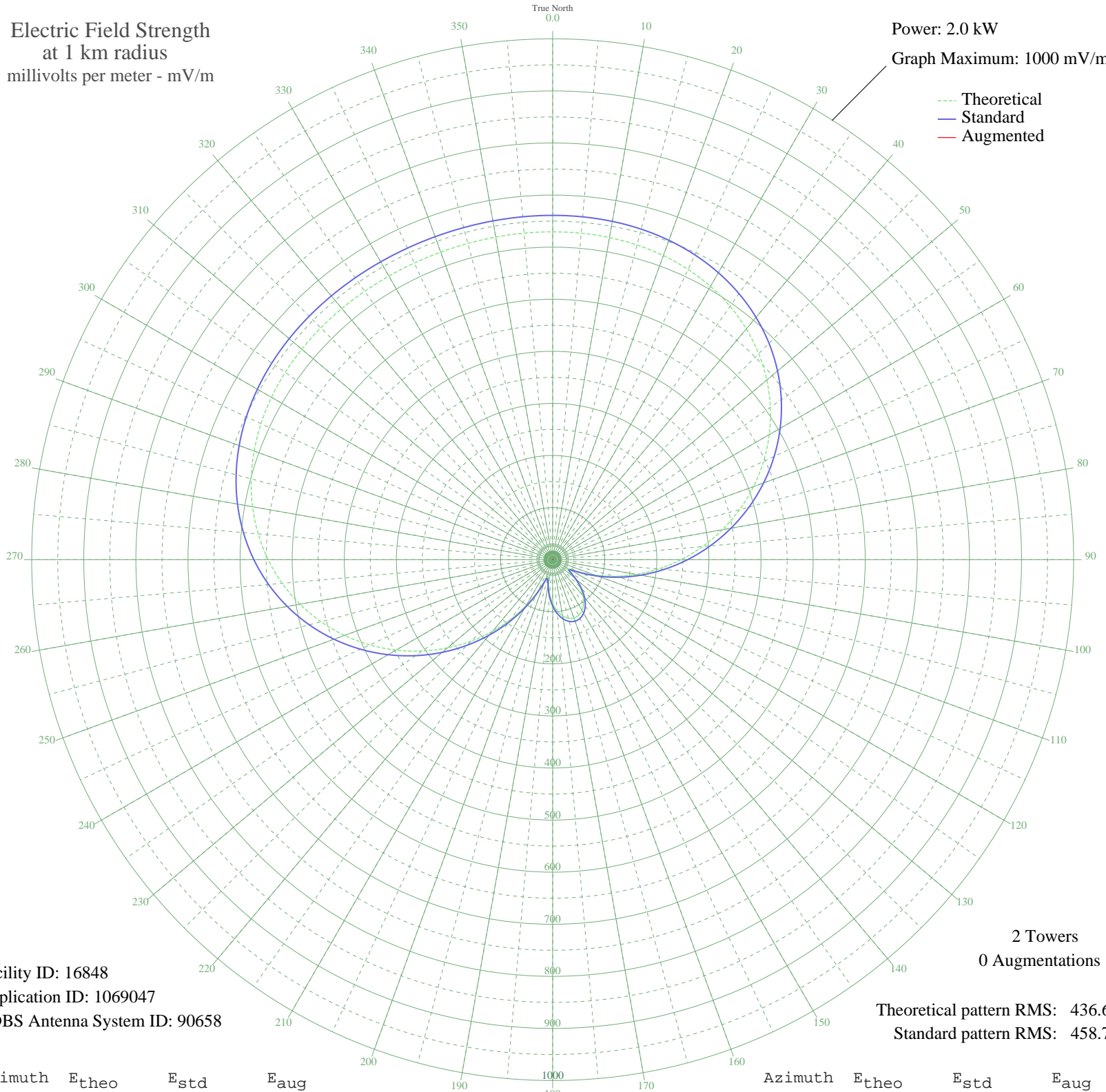
WXLA DIMONDALE, MI BL-20050613AGI 1180 kHz

Critical Hours

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

Power: 2.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 16848  
Application ID: 1069047  
CDBS Antenna System ID: 90658

2 Towers  
0 Augmentations

Theoretical pattern RMS: 436.68  
Standard pattern RMS: 458.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	629.47	661.04	
5	629.17	660.73	
10	627.99	659.50	
15	625.52	656.90	
20	621.30	652.47	
25	614.88	645.73	
30	605.83	636.22	
35	593.75	623.55	
40	578.32	607.35	
45	559.31	587.39	
50	536.58	563.54	
55	510.14	535.77	
60	480.09	504.23	
65	446.70	469.18	
70	410.35	431.03	
75	371.53	390.28	
80	330.83	347.57	
85	288.91	303.58	
90	246.48	259.07	
95	204.29	214.82	
100	163.10	171.66	
105	123.76	130.47	
110	87.32	92.43	
115	55.78	59.73	
120	35.22	38.78	
125	37.54	41.12	
130	54.78	58.70	
135	73.63	78.19	
140	90.17	95.40	
145	103.31	109.10	
150	112.62	118.83	
155	117.93	124.38	
160	119.17	125.67	
165	116.30	122.67	
170	109.37	115.43	
175	98.50	104.08	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	83.93	88.89	
185	66.26	70.55	
190	47.25	50.98	
195	33.71	37.28	
200	41.34	44.96	
205	67.59	71.93	
210	101.46	107.17	
215	139.22	146.64	
220	179.40	188.74	
225	221.09	232.44	
230	263.47	276.89	
235	305.78	321.28	
240	347.30	364.85	
245	387.32	406.85	
250	425.22	446.63	
255	460.44	483.60	
260	492.53	517.28	
265	521.16	547.34	
270	546.12	573.55	
275	567.36	595.84	
280	584.91	614.27	
285	598.97	629.02	
290	609.79	640.38	
295	617.74	648.73	
300	623.22	654.49	
305	626.69	658.13	
310	628.60	660.13	
315	629.37	660.94	
320	629.42	661.00	
325	629.10	660.66	
330	628.69	660.22	
335	628.38	659.90	
340	628.30	659.82	
345	628.48	660.01	
350	628.85	660.39	
355	629.26	660.82	

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.

27 Aug 2020

Prepared by Audio Division, Media Bureau  
Federal Communications Commission