

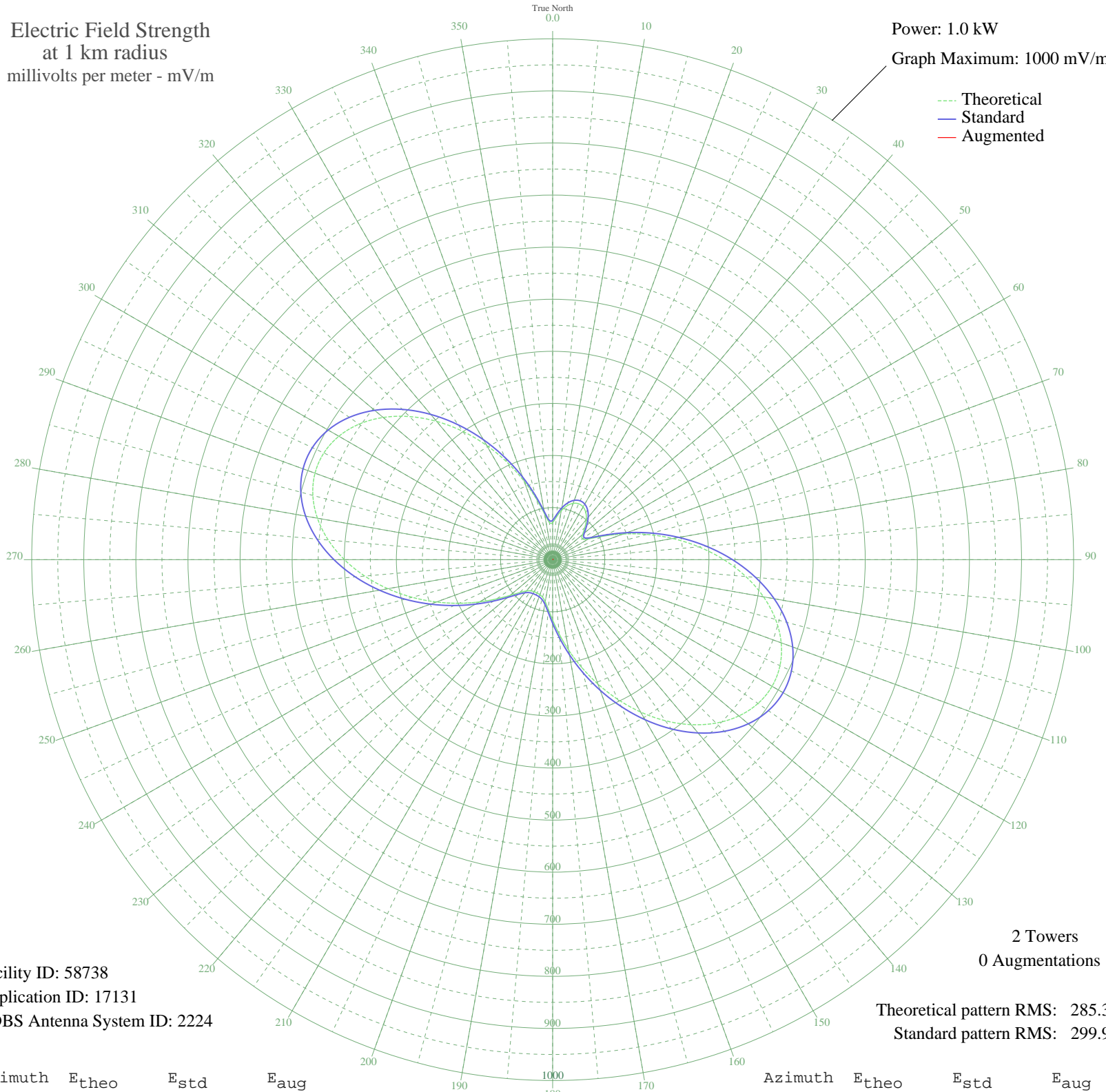
WPHE PHOENIXVILLE, PA BL-19800125AA 690 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 58738
Application ID: 17131
CDBS Antenna System ID: 2224

2 Towers
0 Augmentations
Theoretical pattern RMS: 285.34
Standard pattern RMS: 299.94

Azimuth	E _{theo}	E _{std}	E _{aug}
0	71.26	75.55	
5	81.99	86.73	
10	95.48	100.80	
15	107.13	112.98	
20	115.03	121.23	
25	118.38	124.74	
30	116.94	123.23	
35	110.80	116.82	
40	100.51	106.05	
45	87.40	92.37	
50	74.76	79.19	
55	69.56	73.79	
60	80.06	84.72	
65	106.61	112.43	
70	143.80	151.35	
75	187.23	196.87	
80	234.00	245.93	
85	281.83	296.10	
90	328.60	345.19	
95	372.31	391.07	
100	411.03	431.71	
105	443.04	465.31	
110	466.88	490.34	
115	481.51	505.69	
120	486.33	510.75	
125	481.27	505.44	
130	466.76	490.21	
135	443.72	466.03	
140	413.45	434.25	
145	377.56	396.57	
150	337.80	354.85	
155	296.03	311.01	
160	254.04	266.95	
165	213.54	224.46	
170	176.09	185.20	
175	143.13	150.66	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	115.92	122.16	
185	95.42	100.74	
190	81.95	86.68	
195	74.63	79.06	
200	71.52	75.82	
205	70.63	74.90	
210	70.98	75.27	
215	73.00	77.37	
220	78.38	82.96	
225	89.21	94.25	
230	106.87	112.71	
235	131.49	138.47	
240	162.30	170.74	
245	198.11	208.28	
250	237.57	249.67	
255	279.16	293.31	
260	321.23	337.46	
265	362.02	380.26	
270	399.68	419.79	
275	432.40	454.14	
280	458.50	481.54	
285	476.56	500.49	
290	485.48	509.86	
295	484.63	508.97	
300	473.88	497.69	
305	453.63	476.42	
310	424.73	446.09	
315	388.50	408.06	
320	346.56	364.04	
325	300.78	315.99	
330	253.13	265.99	
335	205.68	216.21	
340	160.61	168.96	
345	120.50	126.96	
350	89.04	94.08	
355	71.62	75.93	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission