

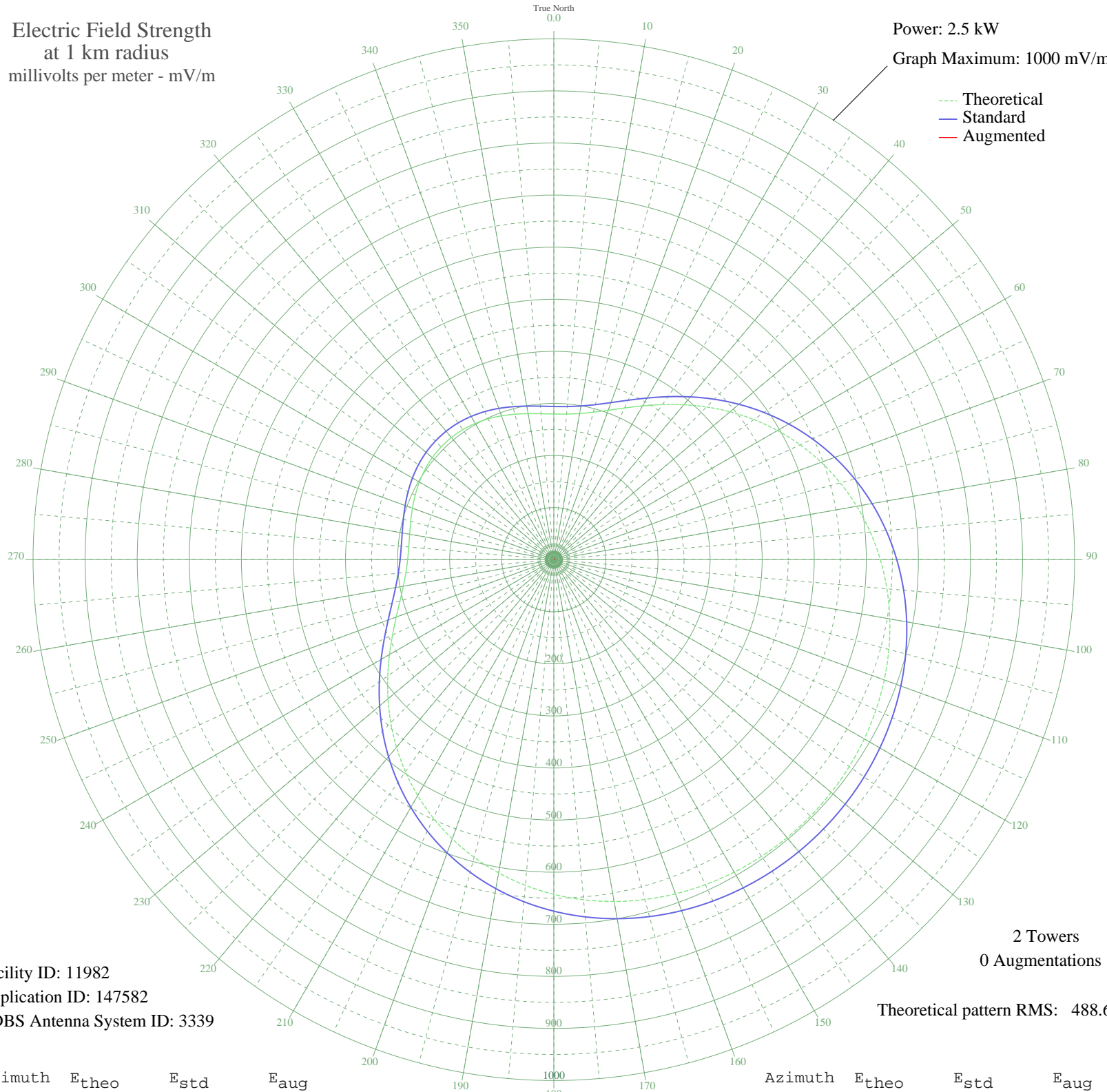
WCPA CLEARFIELD, PA BL-19900420AE 900 kHz

Daytime

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

Power: 2.5 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 11982
Application ID: 147582
CDBS Antenna System ID: 3339

2 Towers
0 Augmentations

Theoretical pattern RMS: 488.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	279.62	294.07	
5	280.62	295.12	
10	284.93	299.64	
15	293.06	308.16	
20	305.21	320.90	
25	321.27	337.74	
30	340.87	358.30	
35	363.42	381.95	
40	388.21	407.96	
45	414.53	435.58	
50	441.67	464.05	
55	468.96	492.69	
60	495.84	520.89	
65	521.80	548.15	
70	546.46	574.02	
75	569.49	598.19	
80	590.67	620.42	
85	609.85	640.56	
90	626.96	658.52	
95	641.99	674.30	
100	654.98	687.93	
105	666.00	699.50	
110	675.15	709.10	
115	682.55	716.86	
120	688.30	722.91	
125	692.52	727.33	
130	695.29	730.24	
135	696.67	731.69	
140	696.70	731.72	
145	695.37	730.33	
150	692.66	727.48	
155	688.50	723.11	
160	682.81	717.14	
165	675.48	709.45	
170	666.40	699.92	
175	655.46	688.43	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	642.55	674.88	
185	627.60	659.19	
190	610.57	641.32	
195	591.47	621.27	
200	570.37	599.12	
205	547.41	575.02	
210	522.82	549.21	
215	496.90	522.01	
220	470.05	493.83	
225	442.76	465.19	
230	415.61	436.70	
235	389.24	409.04	
240	364.37	382.95	
245	341.72	359.19	
250	321.99	338.50	
255	305.77	321.49	
260	293.46	308.58	
265	285.18	299.90	
270	280.72	295.23	
275	279.60	294.05	
280	281.12	295.65	
285	284.49	299.17	
290	288.90	303.80	
295	293.66	308.79	
300	298.15	313.50	
305	301.92	317.45	
310	304.63	320.29	
315	306.05	321.78	
320	306.08	321.81	
325	304.71	320.38	
330	302.05	317.59	
335	298.32	313.67	
340	293.84	308.98	
345	289.09	304.00	
350	284.65	299.34	
355	281.23	295.76	

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