

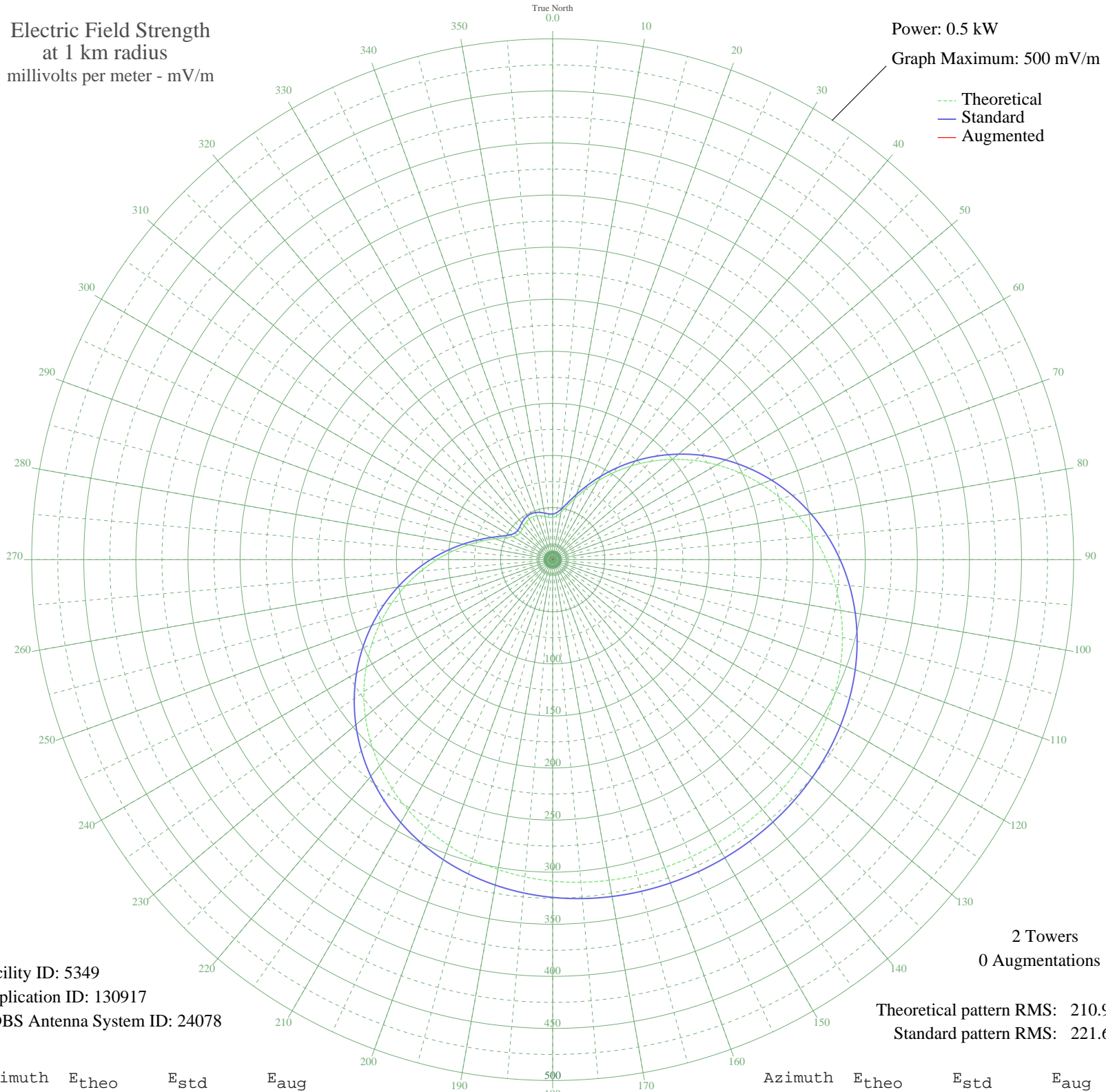
# WWCS CANONSBURG, PA BL-19890717AE 540 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 5349  
Application ID: 130917  
CDBS Antenna System ID: 24078

2 Towers  
0 Augmentations

Theoretical pattern RMS: 210.90  
Standard pattern RMS: 221.69

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	40.48	43.78	
5	42.04	45.37	
10	46.18	49.61	
15	53.12	56.75	
20	62.61	66.58	
25	74.22	78.64	
30	87.49	92.46	
35	102.02	107.63	
40	117.44	123.76	
45	133.44	140.50	
50	149.72	157.56	
55	166.02	174.64	
60	182.08	191.47	
65	197.67	207.81	
70	212.58	223.46	
75	226.65	238.22	
80	239.74	251.94	
85	251.73	264.53	
90	262.57	275.90	
95	272.21	286.01	
100	280.66	294.88	
105	287.95	302.53	
110	294.14	309.03	
115	299.31	314.45	
120	303.54	318.89	
125	306.93	322.45	
130	309.59	325.24	
135	311.61	327.35	
140	313.06	328.88	
145	314.03	329.90	
150	314.56	330.45	
155	314.68	330.58	
160	314.40	330.28	
165	313.70	329.55	
170	312.54	328.34	
175	310.87	326.58	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	308.61	324.21	
185	305.67	321.13	
190	301.95	317.23	
195	297.36	312.41	
200	291.80	306.57	
205	285.17	299.62	
210	277.42	291.48	
215	268.50	282.12	
220	258.38	271.50	
225	247.07	259.64	
230	234.63	246.58	
235	221.14	232.43	
240	206.71	217.30	
245	191.50	201.35	
250	175.70	184.78	
255	159.52	167.82	
260	143.19	150.72	
265	126.99	133.75	
270	111.18	117.21	
275	96.08	101.43	
280	82.01	86.75	
285	69.35	73.58	
290	58.53	62.35	
295	50.02	53.56	
300	44.19	47.57	
305	41.13	44.45	
310	40.43	43.73	
315	41.25	44.56	
320	42.70	46.05	
325	44.12	47.50	
330	45.05	48.45	
335	45.28	48.69	
340	44.75	48.15	
345	43.59	46.96	
350	42.09	45.43	
355	40.80	44.10	