

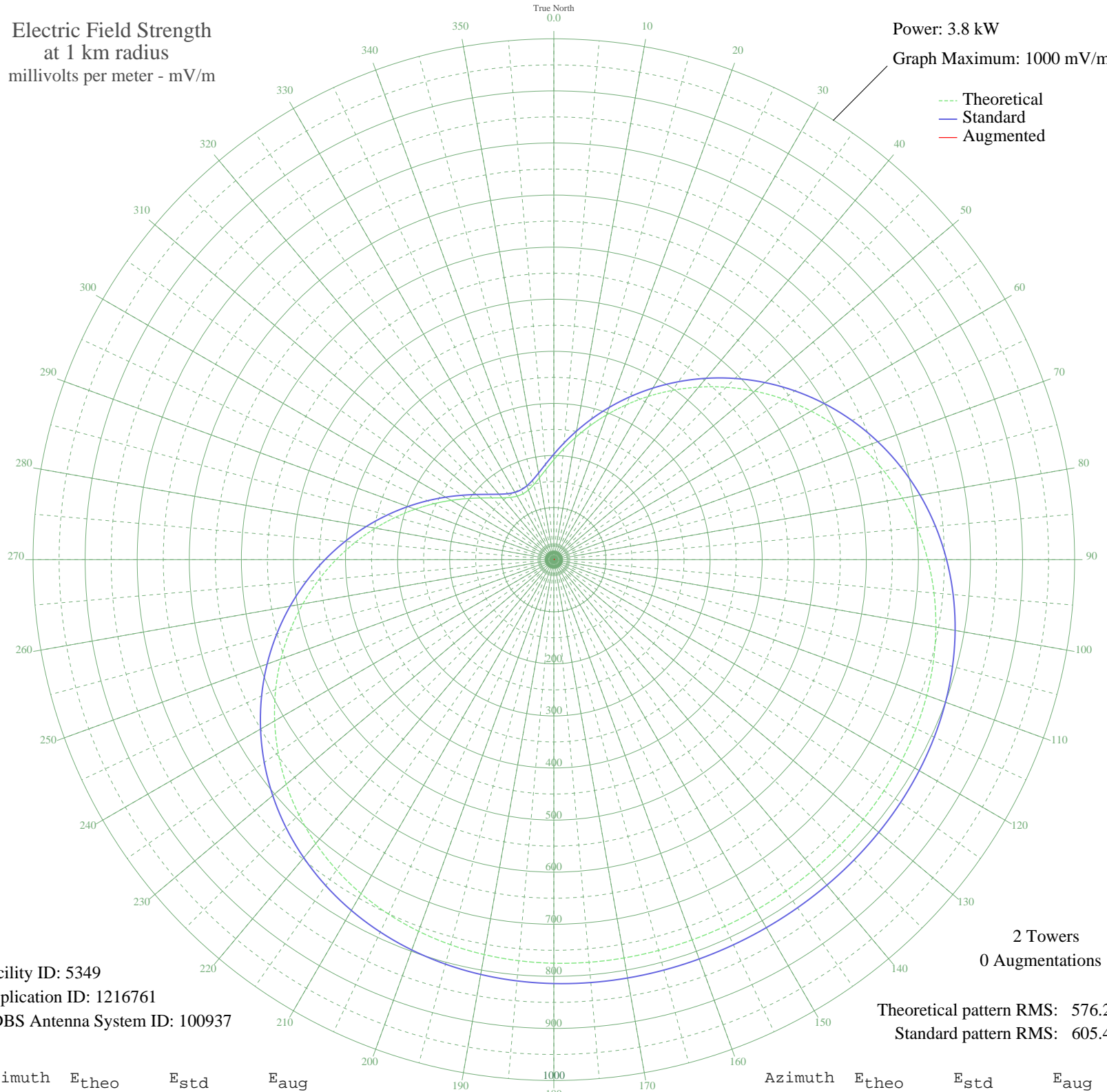
# WWCS CANONSBURG, PA BP-20071102ARJ 540 kHz

Daytime

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

Power: 3.8 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 5349  
Application ID: 1216761  
CDBS Antenna System ID: 100937

2 Towers  
0 Augmentations

Theoretical pattern RMS: 576.28  
Standard pattern RMS: 605.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	191.87	202.50	
5	213.30	224.90	
10	237.95	250.69	
15	265.51	279.54	
20	295.62	311.07	
25	327.84	344.84	
30	361.72	380.36	
35	396.75	417.09	
40	432.41	454.49	
45	468.14	491.98	
50	503.43	528.99	
55	537.73	564.99	
60	570.58	599.46	
65	601.53	631.94	
70	630.23	662.06	
75	656.38	689.51	
80	679.78	714.07	
85	700.32	735.62	
90	717.97	754.14	
95	732.78	769.69	
100	744.91	782.42	
105	754.54	792.53	
110	761.95	800.31	
115	767.42	806.05	
120	771.26	810.09	
125	773.81	812.76	
130	775.37	814.39	
135	776.22	815.29	
140	776.61	815.70	
145	776.75	815.84	
150	776.78	815.87	
155	776.78	815.87	
160	776.77	815.87	
165	776.71	815.81	
170	776.50	815.58	
175	775.95	815.00	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	774.84	813.84	
185	772.93	811.83	
190	769.90	808.65	
195	765.44	803.98	
200	759.24	797.46	
205	750.97	788.79	
210	740.37	777.66	
215	727.19	763.82	
220	711.25	747.10	
225	692.45	727.36	
230	670.76	704.60	
235	646.24	678.86	
240	619.04	650.32	
245	589.40	619.21	
250	557.64	585.88	
255	524.16	550.75	
260	489.40	514.28	
265	453.88	477.01	
270	418.11	439.49	
275	382.64	402.29	
280	348.00	365.98	
285	314.73	331.10	
290	283.30	298.17	
295	254.16	267.66	
300	227.72	239.98	
305	204.33	215.52	
310	184.26	194.55	
315	167.74	177.31	
320	154.94	163.97	
325	145.96	154.62	
330	140.87	149.33	
335	139.70	148.10	
340	142.44	150.96	
345	149.09	157.88	
350	159.60	168.83	
355	173.91	183.75	