

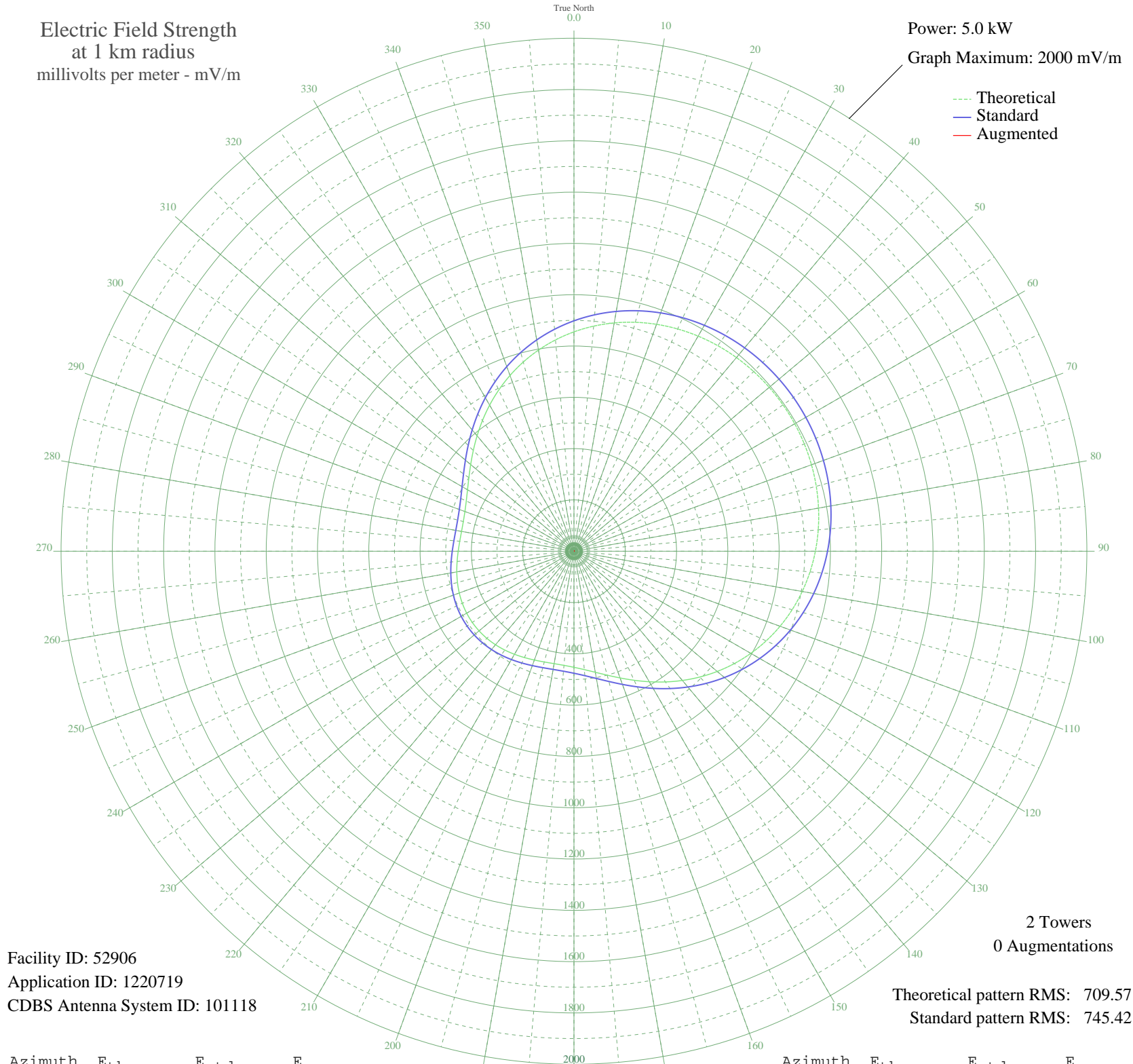
WPLX TURRELL, AR BMP-20070703ABC 1180 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 52906
Application ID: 1220719
CDBS Antenna System ID: 101118

2 Towers
0 Augmentations

Theoretical pattern RMS: 709.57
Standard pattern RMS: 745.42

Azimuth	E _{theo}	E _{std}	E _{aug}
0	855.22	898.29	
5	880.87	925.21	
10	903.79	949.27	
15	923.96	970.44	
20	941.39	988.74	
25	956.16	1004.24	
30	968.38	1017.07	
35	978.15	1027.33	
40	985.61	1035.16	
45	990.85	1040.66	
50	993.96	1043.92	
55	994.99	1045.00	
60	993.96	1043.92	
65	990.85	1040.66	
70	985.61	1035.16	
75	978.15	1027.33	
80	968.38	1017.07	
85	956.16	1004.24	
90	941.39	988.74	
95	923.96	970.44	
100	903.79	949.27	
105	880.87	925.21	
110	855.22	898.29	
115	826.96	868.63	
120	796.31	836.45	
125	763.57	802.09	
130	729.17	765.99	
135	693.65	728.71	
140	657.68	690.96	
145	622.01	653.53	
150	587.51	617.34	
155	555.10	583.33	
160	525.70	552.49	
165	500.18	525.71	
170	479.23	503.74	
175	463.32	487.05	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	452.55	475.76	
185	446.68	469.60	
190	445.11	467.95	
195	447.00	469.94	
200	451.41	474.56	
205	457.34	480.78	
210	463.90	487.66	
215	470.31	494.38	
220	475.92	500.27	
225	480.27	504.83	
230	483.01	507.70	
235	483.94	508.68	
240	483.01	507.70	
245	480.27	504.83	
250	475.92	500.27	
255	470.31	494.38	
260	463.90	487.66	
265	457.34	480.78	
270	451.41	474.56	
275	447.00	469.94	
280	445.11	467.95	
285	446.68	469.60	
290	452.55	475.76	
295	463.32	487.05	
300	479.23	503.74	
305	500.18	525.71	
310	525.70	552.49	
315	555.10	583.33	
320	587.51	617.34	
325	622.01	653.53	
330	657.68	690.96	
335	693.65	728.71	
340	729.17	765.99	
345	763.57	802.09	
350	796.31	836.45	
355	826.96	868.63	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission