

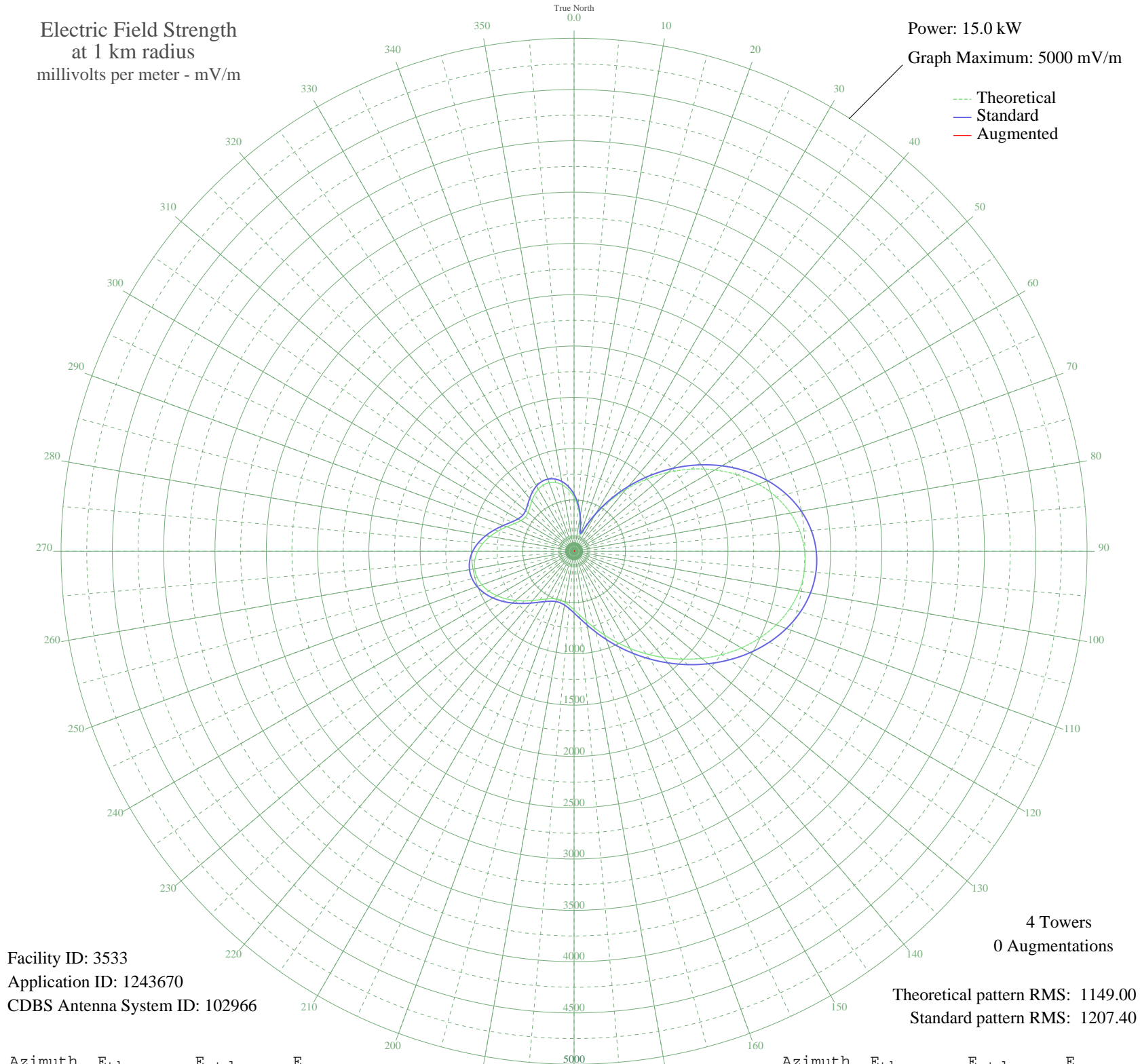
WTJZ NEWPORT NEWS, VA BP-20080429AAJ 1270 kHz

Daytime

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

Power: 15.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 3533  
Application ID: 1243670  
CDBS Antenna System ID: 102966

Theoretical pattern RMS: 1149.00  
Standard pattern RMS: 1207.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	526.63	554.90	
5	434.54	458.62	
10	328.53	348.05	
15	221.34	236.99	
20	166.59	180.96	
25	245.56	261.97	
30	402.14	424.78	
35	586.89	617.98	
40	785.15	825.71	
45	989.69	1040.21	
50	1194.78	1255.37	
55	1394.92	1465.40	
60	1584.69	1664.57	
65	1758.78	1847.31	
70	1912.27	2008.42	
75	2040.81	2143.35	
80	2140.94	2248.46	
85	2210.25	2321.23	
90	2247.57	2360.40	
95	2253.00	2366.10	
100	2227.90	2339.75	
105	2174.74	2283.95	
110	2096.92	2202.25	
115	1998.48	2098.92	
120	1883.88	1978.62	
125	1757.67	1846.13	
130	1624.26	1706.10	
135	1487.77	1562.84	
140	1351.87	1420.22	
145	1219.73	1281.56	
150	1094.03	1149.66	
155	976.96	1026.85	
160	870.31	915.00	
165	775.50	815.60	
170	693.64	729.79	
175	625.48	658.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	571.46	601.82	
185	531.67	560.17	
190	505.92	533.23	
195	493.91	520.67	
200	495.37	522.20	
205	510.05	537.56	
210	537.57	566.35	
215	577.05	607.67	
220	626.86	659.83	
225	684.46	720.17	
230	746.48	785.18	
235	808.97	850.68	
240	867.59	912.15	
245	918.05	965.06	
250	956.37	1005.26	
255	979.29	1029.30	
260	984.52	1034.79	
265	971.04	1020.65	
270	939.31	987.36	
275	891.40	937.12	
280	831.10	873.89	
285	763.96	803.49	
290	697.18	733.50	
295	639.21	672.77	
300	598.40	630.02	
305	580.36	611.14	
310	585.34	616.35	
315	607.85	639.93	
320	639.39	672.96	
325	671.46	706.55	
330	697.14	733.47	
335	711.39	748.40	
340	710.73	747.71	
345	692.89	729.00	
350	656.52	690.90	
355	601.04	632.79	

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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13 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission