

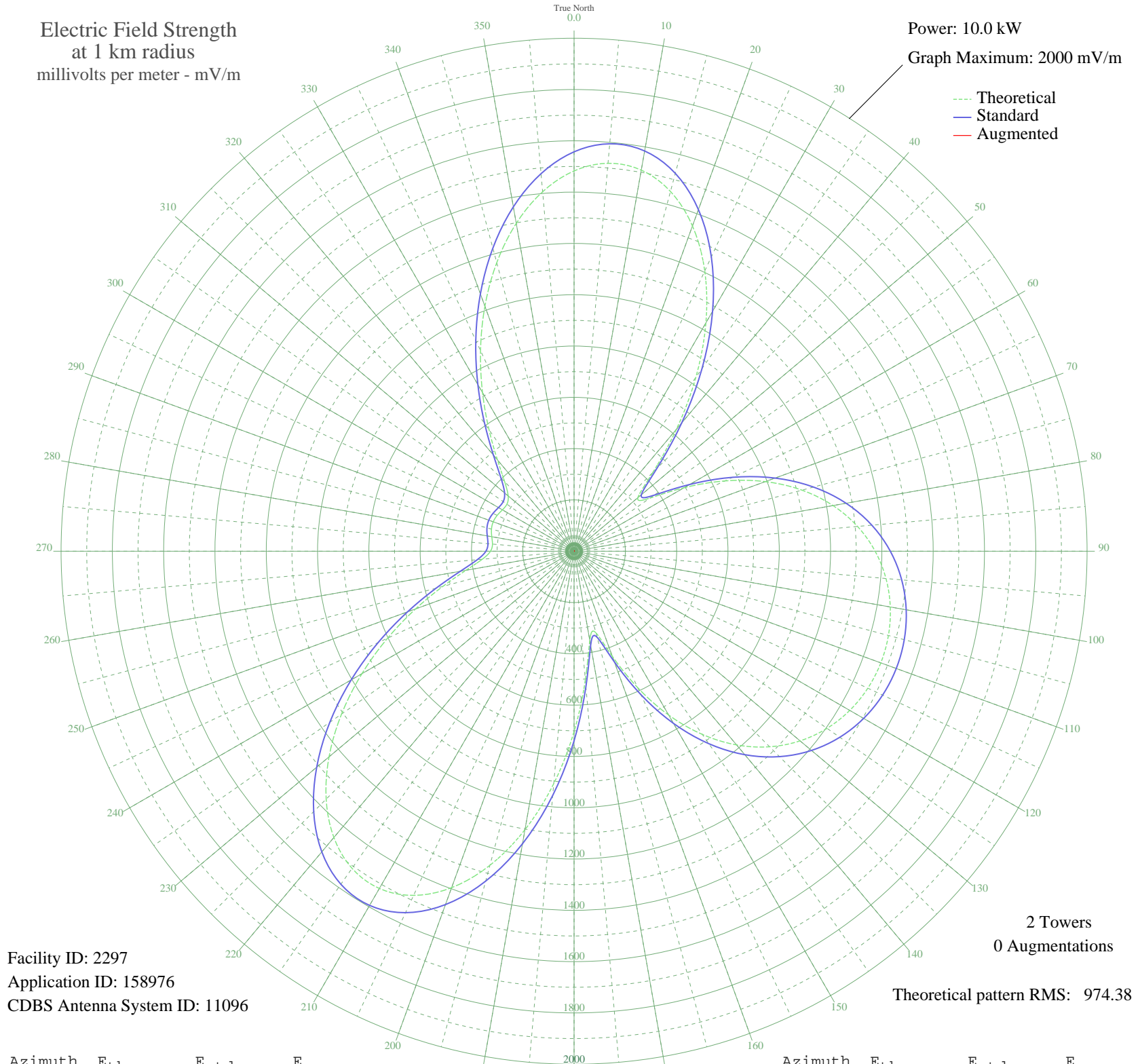
WBIS ANNAPOLIS, MD BL-19910403AD 1190 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 2297  
Application ID: 158976  
CDBS Antenna System ID: 11096

2 Towers  
0 Augmentations

Theoretical pattern RMS: 974.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1482.67	1557.16	
5	1518.26	1594.52	
10	1508.74	1584.53	
15	1452.11	1525.08	
20	1349.56	1417.42	
25	1205.59	1266.30	
30	1027.99	1079.90	
35	827.85	869.88	
40	620.88	652.77	
45	433.71	456.60	
50	324.18	342.01	
55	361.20	380.71	
60	494.61	520.40	
65	648.49	681.73	
70	793.47	833.81	
75	919.97	966.54	
80	1025.22	1076.99	
85	1109.36	1165.30	
90	1173.86	1233.00	
95	1220.69	1282.15	
100	1251.82	1314.83	
105	1268.83	1332.68	
110	1272.69	1336.74	
115	1263.64	1327.24	
120	1241.14	1303.62	
125	1203.95	1264.58	
130	1150.30	1208.27	
135	1078.16	1132.56	
140	985.70	1035.52	
145	871.86	916.05	
150	737.39	774.97	
155	587.05	617.30	
160	435.83	458.83	
165	329.13	347.18	
170	352.98	372.11	
175	503.56	529.78	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	703.18	739.08	
185	909.74	955.80	
190	1102.43	1158.03	
195	1267.72	1331.52	
200	1395.87	1466.04	
205	1480.42	1554.79	
210	1518.16	1594.41	
215	1509.22	1585.03	
220	1456.82	1530.02	
225	1366.81	1435.54	
230	1247.04	1309.81	
235	1106.58	1162.39	
240	955.09	1003.39	
245	802.20	842.97	
250	657.31	690.97	
255	529.53	556.99	
260	427.73	450.34	
265	359.29	378.71	
270	325.86	343.76	
275	319.34	336.95	
280	325.78	343.67	
285	333.30	351.54	
290	335.42	353.75	
295	330.70	348.82	
300	322.52	340.27	
305	319.58	337.20	
310	335.33	353.65	
315	382.36	402.85	
320	464.79	489.16	
325	578.01	607.82	
330	713.72	750.14	
335	862.92	906.67	
340	1016.39	1067.73	
345	1164.63	1223.32	
350	1297.96	1363.26	
355	1406.86	1477.58	