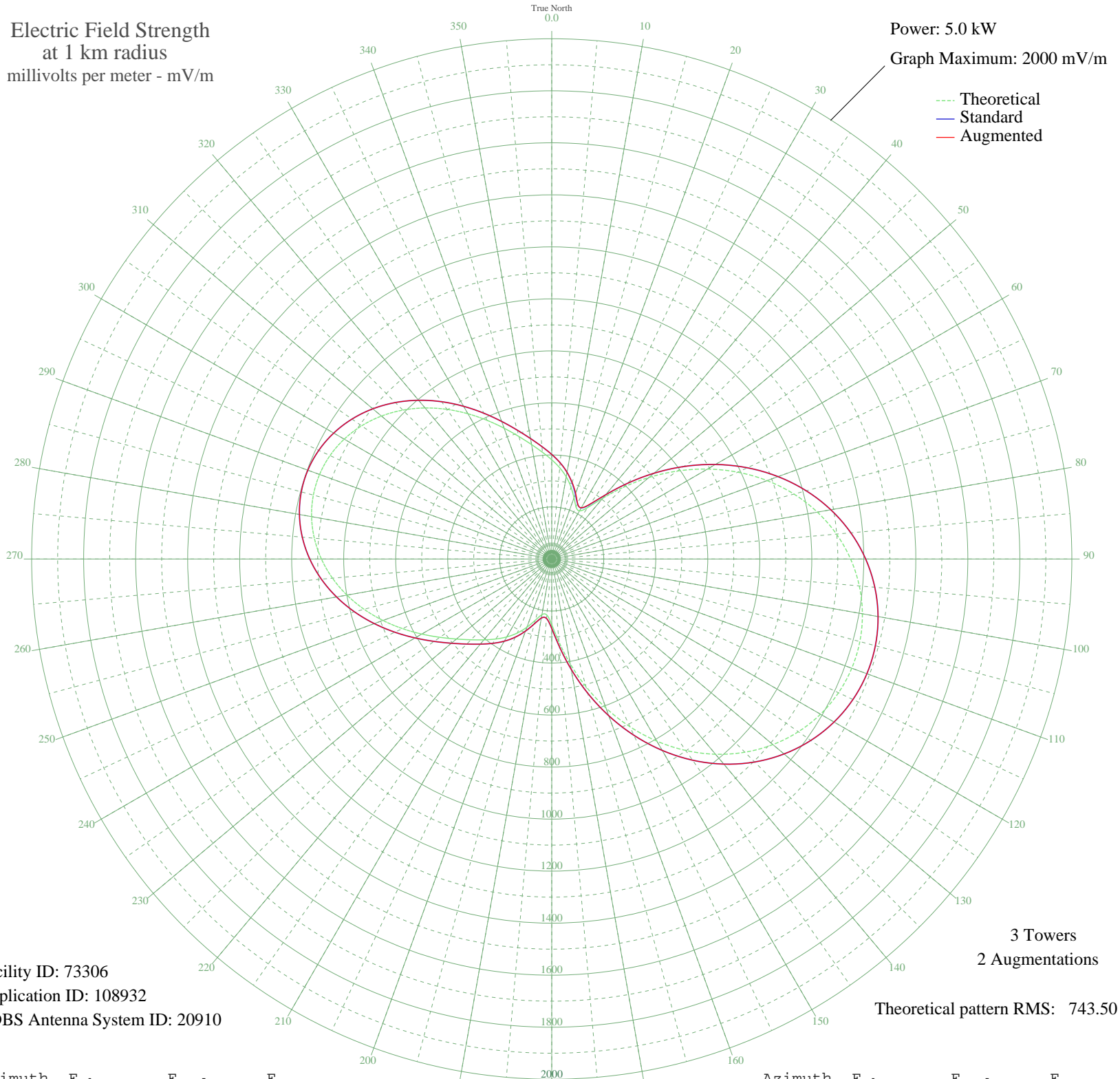


WZHF ARLINGTON, VA BL-19880129AJ 1390 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 73306
Application ID: 108932
CDBS Antenna System ID: 20910

3 Towers
2 Augmentations

Theoretical pattern RMS: 743.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	381.45	401.97	401.97
5	352.00	371.16	371.16
10	320.69	338.44	338.44
15	286.15	302.38	304.07
20	250.34	265.05	269.12
25	221.04	234.58	235.58
30	213.52	226.77	227.44
35	241.98	256.34	258.72
40	304.74	321.78	322.12
45	389.96	410.87	410.87
50	487.20	512.70	512.70
55	589.34	619.74	619.74
60	691.39	726.75	726.75
65	789.64	829.82	829.82
70	881.33	926.02	926.02
75	964.38	1013.17	1013.17
80	1037.31	1089.70	1089.70
85	1099.12	1154.58	1154.58
90	1149.22	1207.16	1207.16
95	1187.24	1247.07	1247.07
100	1213.05	1274.15	1274.15
105	1226.57	1288.35	1288.35
110	1227.80	1289.64	1289.64
115	1216.74	1278.03	1278.03
120	1193.39	1253.52	1253.52
125	1157.79	1216.16	1216.16
130	1110.10	1166.10	1166.10
135	1050.58	1103.64	1103.64
140	979.81	1029.37	1029.37
145	898.69	944.24	944.24
150	808.58	849.69	849.69
155	711.44	747.79	747.79
160	609.89	641.29	641.29
165	507.42	533.88	533.88
170	408.72	430.50	430.50
175	320.38	338.12	338.12

Azimuth	E _{theo}	E _{std}	E _{aug}
180	252.12	266.91	266.91
185	216.12	229.46	229.46
190	217.21	230.60	230.60
195	243.57	258.00	258.00
200	278.95	294.86	294.86
205	314.04	331.49	331.49
210	345.96	364.85	364.85
215	375.58	395.83	395.83
220	405.62	427.26	427.26
225	439.21	462.42	462.42
230	478.71	503.80	503.80
235	524.96	552.26	552.26
240	577.15	606.96	606.96
245	633.29	665.83	665.83
250	690.82	726.16	726.16
255	747.06	785.15	785.15
260	799.58	840.25	840.25
265	846.34	889.31	889.31
270	885.70	930.61	930.61
275	916.46	962.89	962.89
280	937.76	985.24	985.24
285	949.06	997.10	997.10
290	950.09	998.18	998.18
295	940.83	988.46	988.46
300	921.50	968.17	968.17
305	892.58	937.82	937.82
310	854.85	898.23	898.23
315	809.45	850.61	850.61
320	757.93	796.56	796.56
325	702.25	738.15	738.15
330	644.77	677.87	677.87
335	588.14	618.48	618.48
340	534.97	562.75	562.75
345	487.43	512.93	512.93
350	446.59	470.15	470.15
355	411.96	433.89	433.89

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission