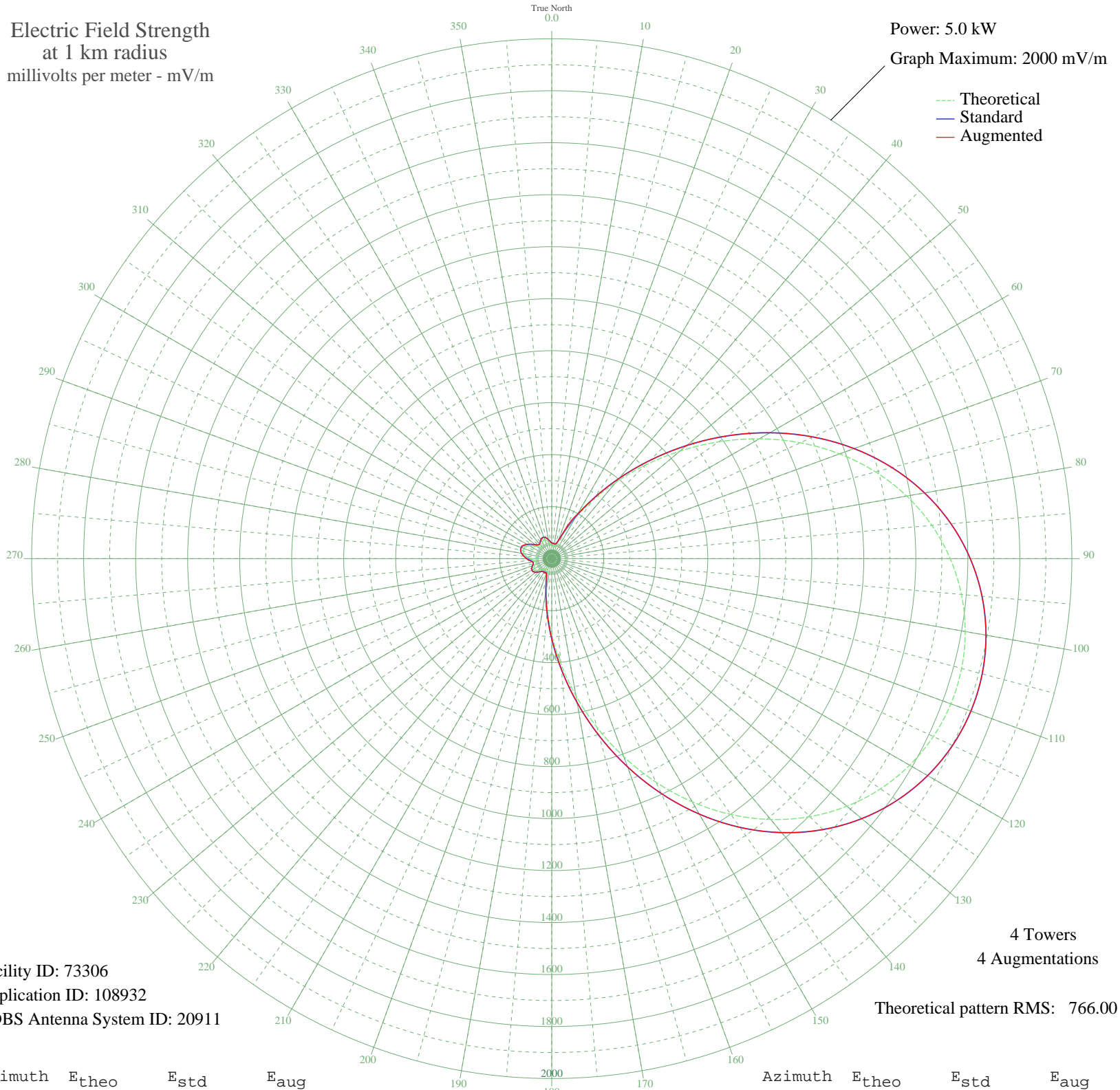


# WZHF ARLINGTON, VA BL-19880129AJ 1390 kHz

Nighttime

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: 20911

4 Towers  
4 Augmentations  
Theoretical pattern RMS: 766.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	48.46	60.86	60.86
5	46.23	58.91	58.91
10	44.89	57.76	57.76
15	45.95	58.68	58.68
20	63.25	74.33	74.33
25	107.98	118.19	129.81
30	178.50	190.37	197.79
35	271.27	286.79	286.79
40	382.72	403.24	403.24
45	508.56	535.04	535.04
50	643.84	676.85	676.85
55	783.29	823.13	823.13
60	921.77	968.43	968.43
65	1054.67	1107.91	1107.91
70	1178.15	1237.51	1237.51
75	1289.28	1354.16	1354.16
80	1386.06	1455.75	1455.75
85	1467.30	1541.03	1541.03
90	1532.48	1609.45	1609.45
95	1581.50	1660.91	1660.91
100	1614.50	1695.55	1695.55
105	1631.71	1713.62	1713.62
110	1633.27	1715.26	1715.26
115	1619.20	1700.49	1700.49
120	1589.37	1669.17	1669.17
125	1543.57	1621.10	1621.10
130	1481.63	1556.07	1556.07
135	1403.58	1474.13	1474.13
140	1309.83	1375.73	1375.73
145	1201.44	1261.96	1261.96
150	1080.23	1134.73	1134.73
155	948.93	996.94	996.94
160	811.22	852.43	852.43
165	671.56	705.93	705.93
170	535.03	562.78	562.78
175	406.89	428.54	428.54

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	292.20	308.62	308.62
185	195.38	207.85	207.85
190	120.14	130.49	130.49
195	69.96	80.68	80.68
200	47.52	60.04	60.04
205	44.66	57.56	60.77
210	45.97	58.69	60.37
215	47.79	60.27	60.27
220	52.80	64.71	64.71
225	61.34	72.54	72.54
230	70.34	81.05	81.05
235	76.45	86.94	86.94
240	77.76	88.21	88.21
245	74.23	84.79	84.79
250	67.72	78.55	78.55
255	62.17	73.32	73.32
260	62.43	73.56	74.27
265	70.43	81.13	86.08
270	83.28	93.60	97.91
275	96.72	106.90	107.39
280	107.52	117.73	117.73
285	113.70	123.97	123.97
290	114.28	124.55	125.43
295	109.17	119.39	121.13
300	99.17	109.35	109.35
305	86.04	96.31	96.31
310	72.75	83.36	83.36
315	63.45	74.52	74.52
320	61.62	72.81	72.81
325	66.38	77.28	77.28
330	73.07	83.67	83.67
335	77.41	87.87	87.87
340	77.12	87.59	87.59
345	71.88	82.53	82.53
350	63.22	74.31	74.31
355	54.29	66.06	66.06