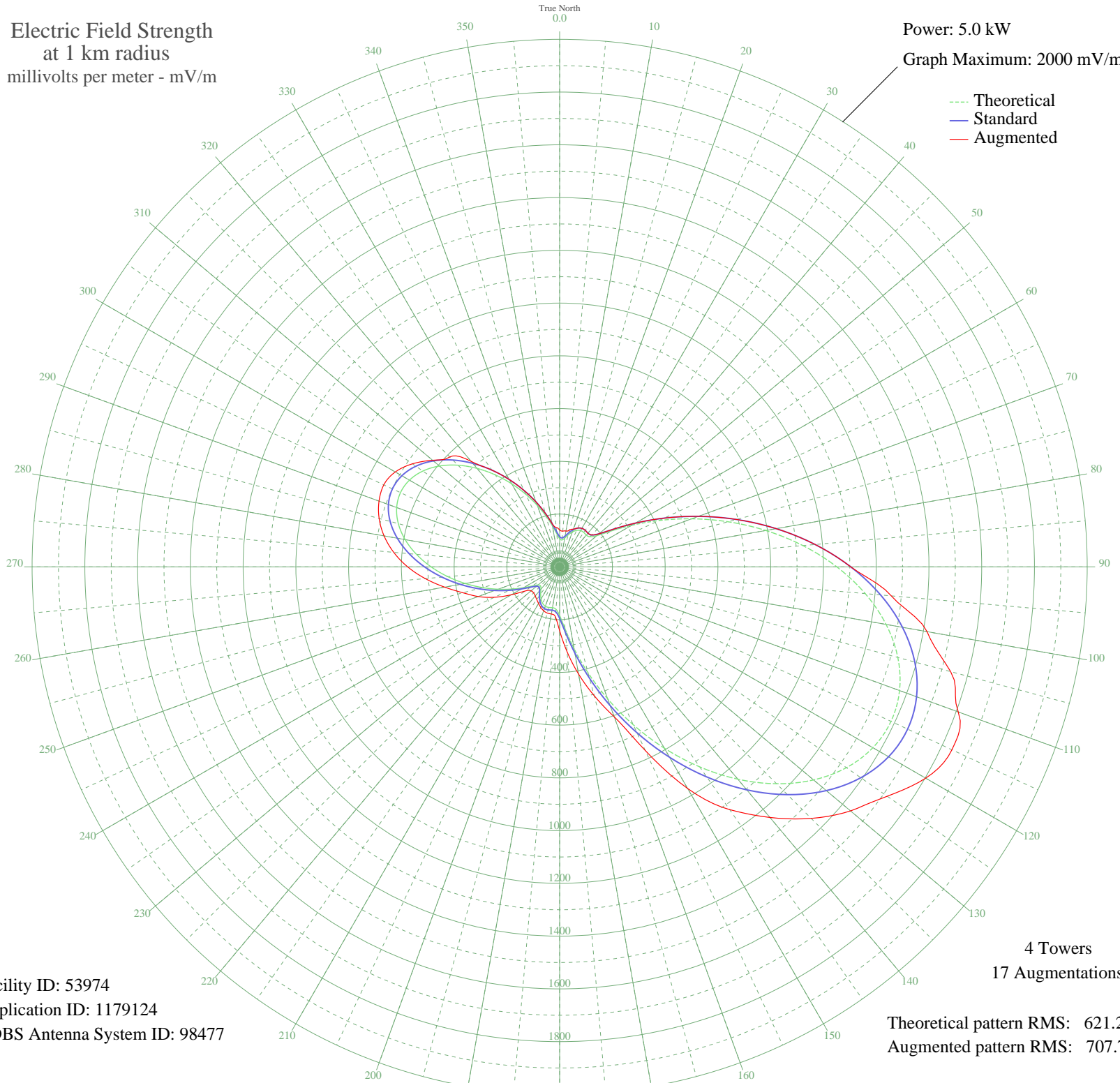


WFNZ CHARLOTTE, NC BL-20070327AES 610 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 53974  
Application ID: 1179124  
CDBS Antenna System ID: 98477

4 Towers  
17 Augmentations

Theoretical pattern RMS: 621.21  
Augmented pattern RMS: 707.71

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	106.60	114.36	139.97
5	102.22	109.87	135.85
10	110.62	118.50	137.85
15	125.50	133.85	144.66
20	140.87	149.77	152.23
25	152.74	162.09	162.09
30	158.91	168.50	168.50
35	159.30	168.90	168.90
40	157.19	166.71	166.71
45	161.26	170.95	170.95
50	184.60	195.24	195.24
55	236.01	248.92	248.92
60	314.77	331.34	331.34
65	415.60	437.01	437.01
70	532.78	559.91	559.91
75	660.71	694.14	694.14
80	793.68	833.69	833.69
85	925.73	972.30	972.30
90	1050.80	1103.59	1103.59
95	1162.95	1221.32	1262.05
100	1256.70	1319.74	1414.29
105	1327.33	1393.89	1534.53
110	1371.23	1439.98	1608.01
115	1386.12	1455.61	1640.81
120	1371.23	1439.98	1602.28
125	1327.33	1393.89	1516.17
130	1256.70	1319.74	1439.53
135	1162.95	1221.32	1348.60
140	1050.80	1103.59	1240.21
145	925.73	972.30	1123.45
150	793.68	833.69	970.18
155	660.71	694.14	768.70
160	532.78	559.91	604.90
165	415.60	437.01	505.50
170	314.77	331.34	412.54
175	236.01	248.92	323.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	184.60	195.24	242.04
185	161.26	170.95	189.23
190	157.19	166.71	181.49
195	159.30	168.90	181.24
200	158.91	168.50	177.16
205	152.74	162.09	169.51
210	140.87	149.77	160.12
215	125.50	133.85	151.32
220	110.62	118.50	143.99
225	102.22	109.87	139.61
230	106.60	114.36	141.44
235	125.94	134.31	159.82
240	157.82	167.36	211.77
245	199.21	210.48	272.91
250	248.22	261.69	328.79
255	303.49	319.53	379.67
260	363.41	382.30	442.76
265	425.71	447.61	511.40
270	487.40	512.31	576.26
275	544.98	572.71	631.46
280	594.73	624.91	675.90
285	633.19	665.26	708.52
290	657.51	690.78	728.75
295	665.83	699.51	735.67
300	657.51	690.78	719.56
305	633.19	665.26	681.07
310	594.73	624.91	628.73
315	544.98	572.71	589.20
320	487.40	512.31	522.09
325	425.71	447.61	447.61
330	363.41	382.30	382.30
335	303.49	319.53	319.53
340	248.22	261.69	261.69
345	199.21	210.48	210.48
350	157.82	167.36	167.37
355	125.94	134.31	150.09

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission