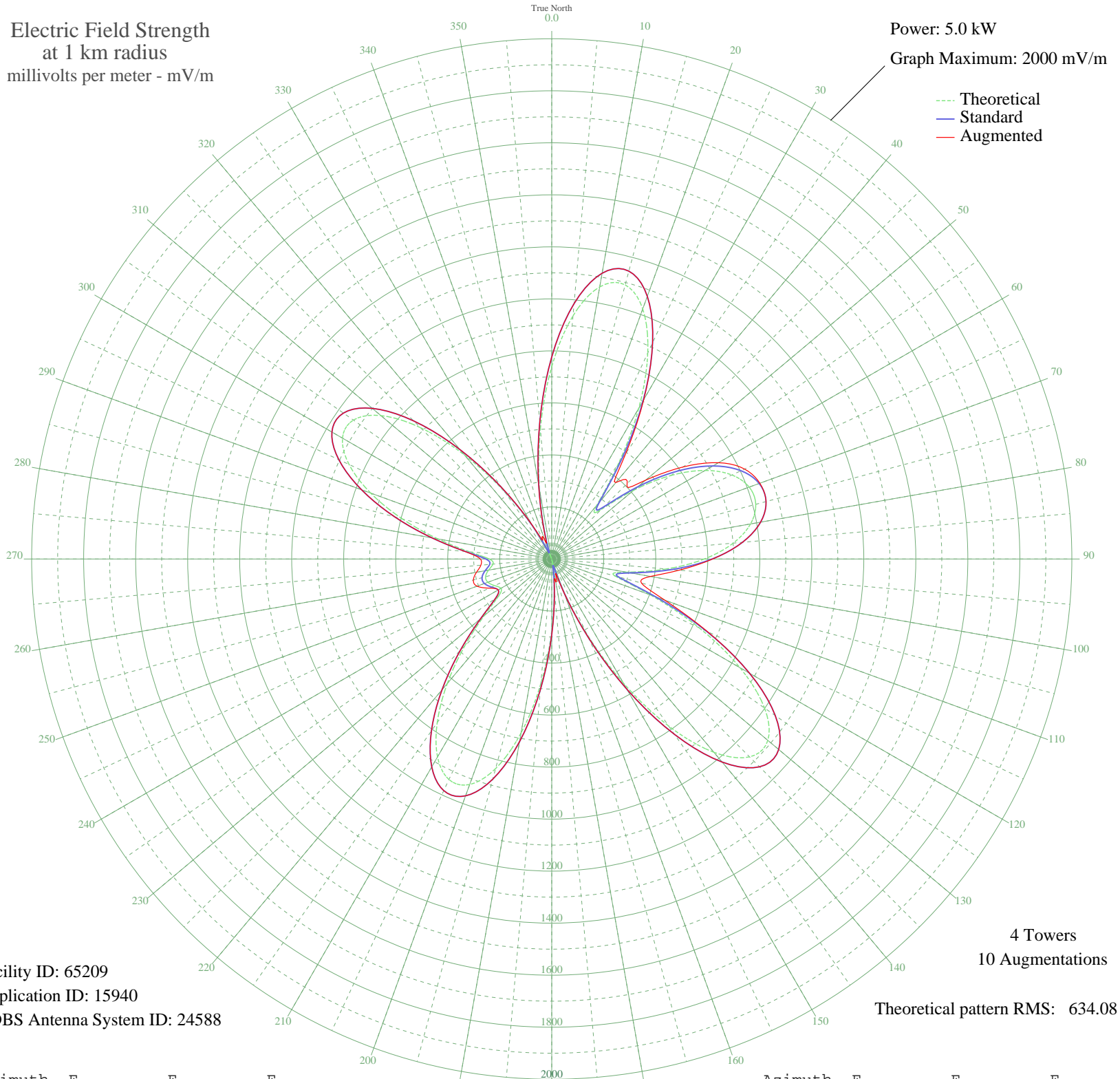


WRJZ KNOXVILLE, TN BL-19791210AE 620 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 65209  
Application ID: 15940  
CDBS Antenna System ID: 24588

4 Towers  
10 Augmentations  
Theoretical pattern RMS: 634.08

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	739.52	776.87	776.92
5	938.40	985.61	985.61
10	1062.17	1115.54	1115.54
15	1090.86	1145.66	1145.66
20	1023.06	1074.48	1074.48
25	873.62	917.61	917.61
30	669.23	703.10	707.70
35	446.55	469.49	497.59
40	269.69	284.20	384.00
45	269.62	284.12	409.80
50	410.28	431.47	471.60
55	559.96	588.45	617.01
60	680.96	715.41	740.30
65	764.38	802.96	818.10
70	808.20	848.95	851.63
75	812.18	853.13	853.13
80	776.33	815.50	815.50
85	700.76	736.19	736.19
90	586.92	616.73	618.83
95	441.52	464.22	492.22
100	292.49	308.06	385.99
105	251.40	265.06	357.04
110	404.35	425.25	462.45
115	624.75	656.43	660.76
120	836.12	878.25	878.25
125	998.99	1049.22	1049.22
130	1084.75	1139.24	1139.24
135	1075.82	1129.87	1129.87
140	970.07	1018.86	1018.86
145	783.75	823.29	823.29
150	550.54	578.57	578.57
155	315.81	332.47	332.66
160	127.07	135.58	138.48
165	24.78	35.43	57.79
170	7.76	25.39	87.82
175	105.45	113.30	118.75

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	275.26	290.02	290.86
185	480.43	505.03	505.04
190	678.88	713.23	713.23
195	834.17	876.21	876.21
200	922.51	968.94	968.94
205	935.43	982.49	982.49
210	878.53	922.78	922.78
215	767.77	806.51	806.51
220	624.82	656.50	656.50
225	473.66	497.92	497.92
230	339.56	357.35	357.35
235	250.46	264.08	264.08
240	225.36	237.85	237.85
245	242.13	255.37	265.18
250	261.36	275.47	305.49
255	263.41	277.62	311.95
260	246.73	260.18	293.81
265	226.78	239.33	273.59
270	240.31	253.47	274.42
275	317.21	333.94	335.70
280	444.63	467.48	467.48
285	594.46	624.65	624.65
290	741.00	778.42	778.42
295	860.05	903.38	903.38
300	929.24	976.00	976.00
305	931.13	977.99	977.99
310	857.69	900.89	900.89
315	714.36	750.47	750.56
320	521.96	548.59	549.18
325	314.82	331.44	333.47
330	134.63	143.39	150.22
335	20.37	32.19	85.28
340	17.06	29.98	72.60
345	98.58	106.27	114.83
350	272.94	287.59	289.68
355	502.16	527.82	528.31