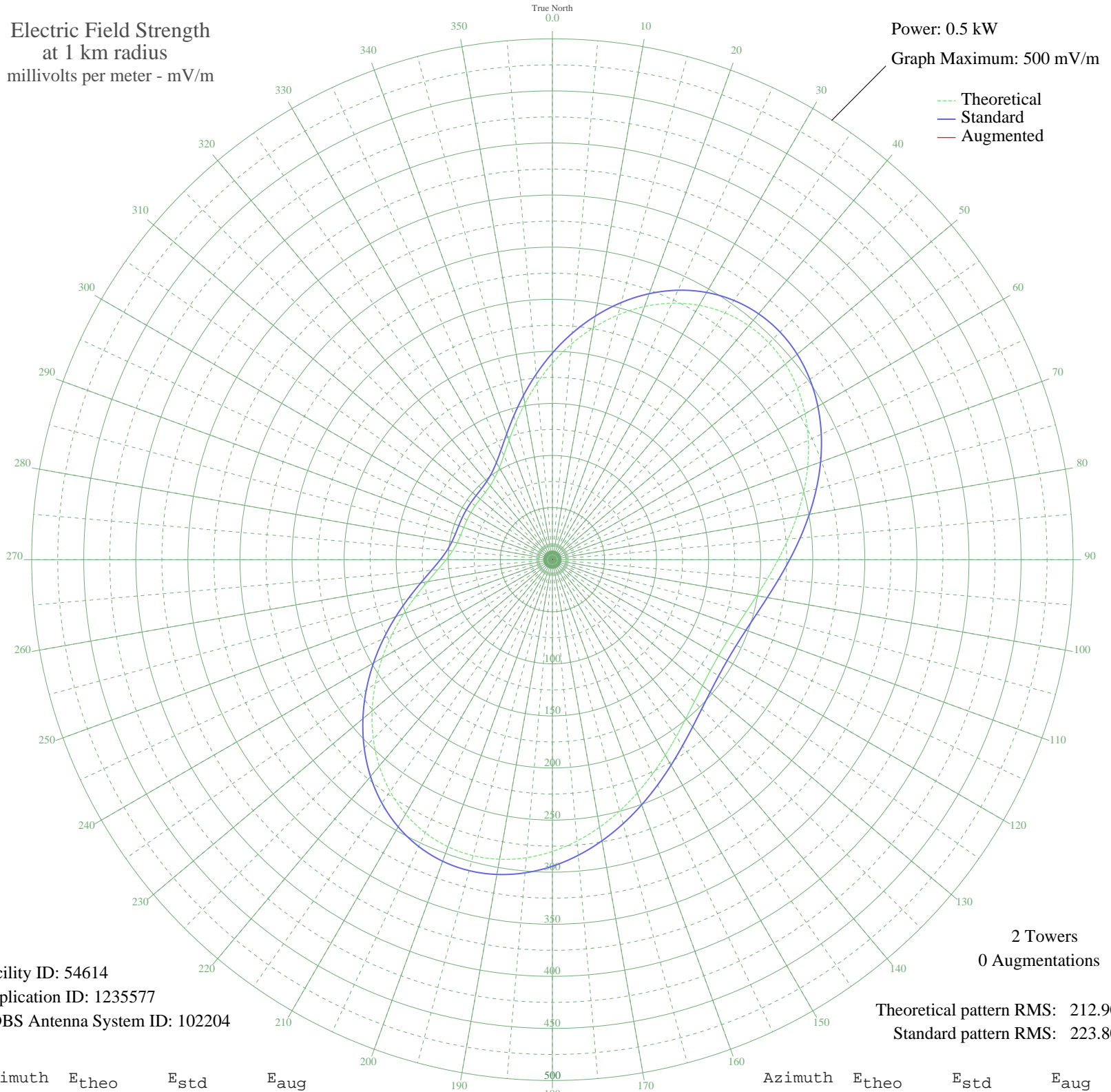


WJFJ TRYON, NC BP-20071217ABT 1160 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 54614  
Application ID: 1235577  
CDBS Antenna System ID: 102204

2 Towers  
0 Augmentations

Theoretical pattern RMS: 212.90  
Standard pattern RMS: 223.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	188.63	198.33	
5	207.55	218.19	
10	225.97	237.50	
15	243.18	255.55	
20	258.57	271.70	
25	271.62	285.40	
30	281.91	296.20	
35	289.17	303.81	
40	293.24	308.08	
45	294.15	309.04	
50	292.06	306.84	
55	287.25	301.80	
60	280.12	294.31	
65	271.13	284.88	
70	260.81	274.05	
75	249.70	262.39	
80	238.32	250.46	
85	227.19	238.78	
90	216.74	227.81	
95	207.33	217.95	
100	199.29	209.52	
105	192.83	202.74	
110	188.11	197.80	
115	185.24	194.79	
120	184.28	193.78	
125	185.24	194.79	
130	188.11	197.80	
135	192.83	202.74	
140	199.29	209.52	
145	207.33	217.95	
150	216.74	227.81	
155	227.19	238.78	
160	238.32	250.46	
165	249.70	262.39	
170	260.81	274.05	
175	271.13	284.88	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	280.12	294.31	
185	287.25	301.80	
190	292.06	306.84	
195	294.15	309.04	
200	293.24	308.08	
205	289.17	303.81	
210	281.91	296.20	
215	271.62	285.40	
220	258.57	271.70	
225	243.18	255.55	
230	225.97	237.50	
235	207.56	218.19	
240	188.63	198.33	
245	169.89	178.69	
250	152.07	160.01	
255	135.84	143.02	
260	121.82	128.34	
265	110.47	116.46	
270	101.98	107.59	
275	96.26	101.61	
280	92.87	98.07	
285	91.18	96.32	
290	90.54	95.65	
295	90.39	95.49	
300	90.38	95.48	
305	90.39	95.49	
310	90.54	95.65	
315	91.18	96.32	
320	92.87	98.07	
325	96.26	101.61	
330	101.98	107.59	
335	110.47	116.46	
340	121.82	128.34	
345	135.84	143.02	
350	152.07	160.01	
355	169.89	178.69	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission