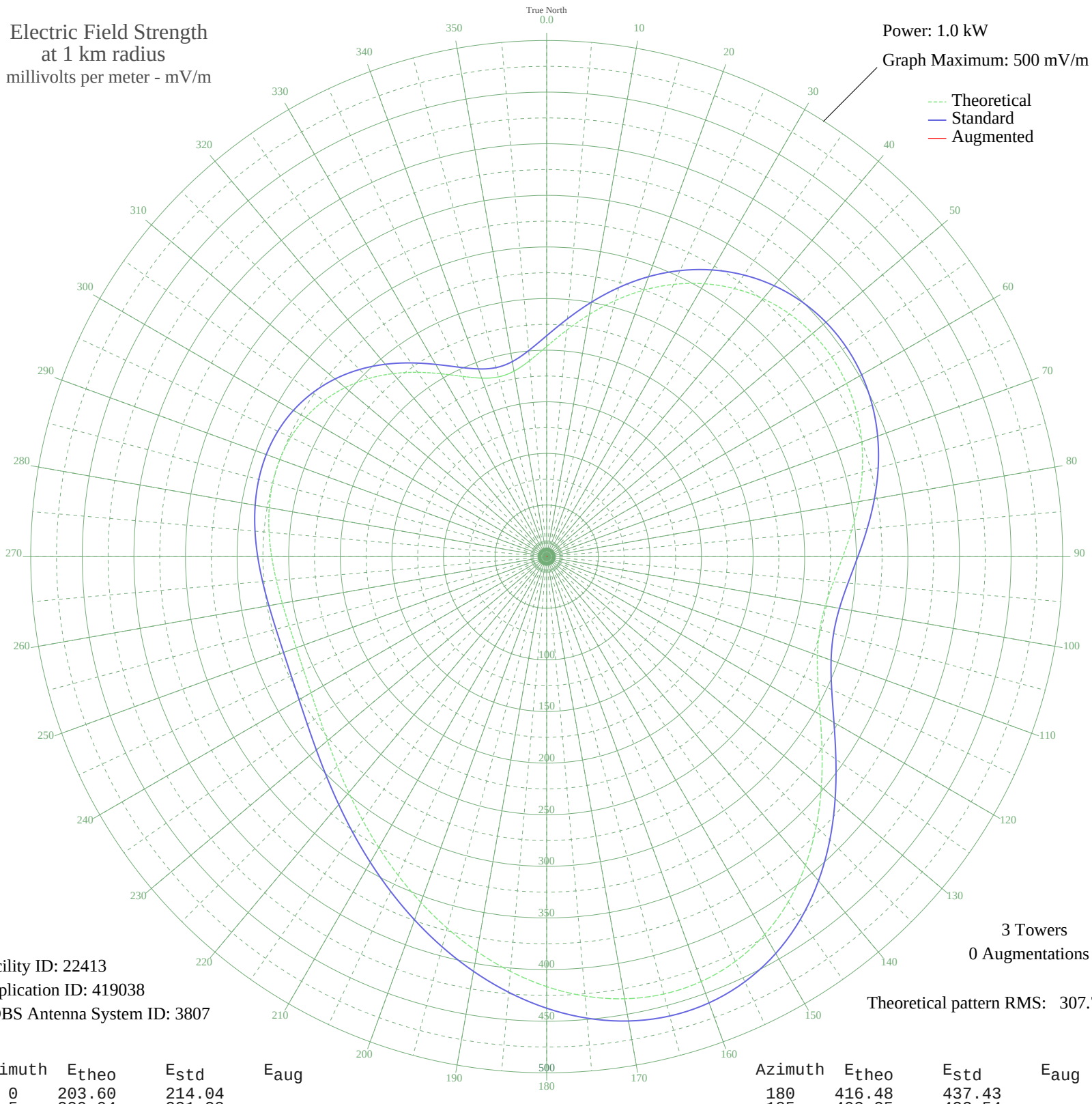
KFSA FORT SMITH, AR BL-14206 950 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 22413
Application ID: 419038
CDBS Antenna System ID: 3807

Theoretical pattern RMS: 307.72

Azimuth	E_{theo}	E_{std}	E_{aug}
0	203.60	214.04	
5	220.04	231.28	
10	238.26	250.40	
15	256.85	269.90	
20	274.70	288.63	
25	291.03	305.76	
30	305.26	320.70	
35	317.07	333.09	
40	326.23	342.70	
45	332.65	349.44	
50	336.30	353.27	
55	337.22	354.24	
60	335.51	352.44	
65	331.32	348.04	
70	324.89	341.30	
75	316.59	332.59	
80	306.96	322.48	
85	296.75	311.77	
90	287.00	301.54	
95	279.00	293.14	
100	274.19	288.09	
105	273.94	287.82	
110	279.16	293.31	
115	290.07	304.75	
120	306.01	321.48	
125	325.67	342.12	
130	347.39	364.91	
135	369.41	388.03	
140	390.14	409.78	
145	408.20	428.74	
150	422.59	443.84	
155	432.61	454.37	
160	437.95	459.97	
165	438.61	460.66	
170	434.88	456.74	
175	427.27	448.76	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	416.48	437.43	
185	403.25	423.54	
190	388.37	407.92	
195	372.55	391.32	
200	356.45	374.42	
205	340.60	357.79	
210	325.43	341.86	
215	311.26	326.99	
220	298.37	313.47	
225	286.99	301.52	
230	277.30	291.36	
235	269.49	283.16	
240	263.68	277.06	
245	259.94	273.14	
250	258.24	271.35	
255	258.40	271.53	
260	260.14	273.34	
265	263.01	276.36	
270	266.50	280.02	
275	270.03	283.72	
280	273.02	286.86	
285	274.91	288.85	
290	275.24	289.19	
295	273.60	287.47	
300	269.72	283.40	
305	263.45	276.83	
310	254.82	267.77	
315	244.02	256.43	
320	231.49	243.30	
325	217.98	229.12	
330	204.56	215.05	
335	192.69	202.59	
340	184.05	193.54	
345	180.29	189.60	
350	182.45	191.86	
355	190.55	200.36	

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