

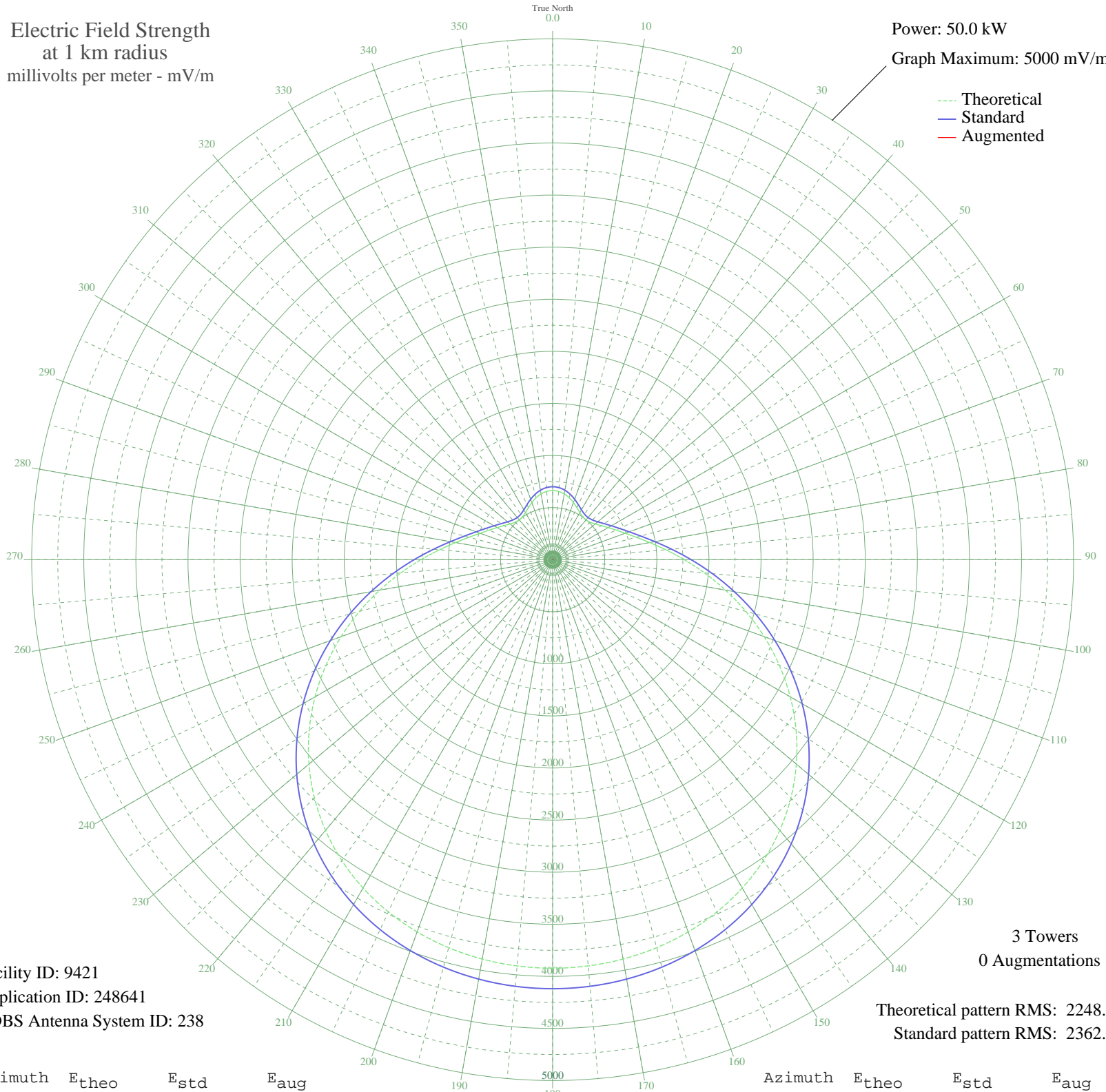
KFNX CAVE CREEK, AZ BL-19970613AV 1100 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 9421
Application ID: 248641
CDBS Antenna System ID: 238

3 Towers
0 Augmentations

Theoretical pattern RMS: 2248.59
Standard pattern RMS: 2362.22

Azimuth	E _{theo}	E _{std}	E _{aug}
0	663.09	700.20	
5	657.32	694.17	
10	640.63	676.75	
15	614.91	649.91	
20	583.37	617.02	
25	550.48	582.75	
30	521.73	552.83	
35	502.78	533.12	
40	497.94	528.08	
45	508.69	539.26	
50	533.56	565.13	
55	569.74	602.82	
60	615.40	650.42	
65	671.29	708.76	
70	741.16	781.75	
75	830.76	875.45	
80	945.87	995.94	
85	1090.12	1147.03	
90	1263.78	1329.05	
95	1463.84	1538.83	
100	1684.76	1770.56	
105	1919.56	2016.90	
110	2160.67	2269.92	
115	2400.72	2521.85	
120	2632.99	2765.63	
125	2851.86	2995.37	
130	3053.00	3206.51	
135	3233.42	3395.91	
140	3391.48	3561.83	
145	3526.67	3703.75	
150	3639.44	3822.13	
155	3730.91	3918.16	
160	3802.61	3993.43	
165	3856.19	4049.68	
170	3893.18	4088.51	
175	3914.83	4111.25	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	3921.96	4118.73	
185	3914.83	4111.25	
190	3893.18	4088.51	
195	3856.19	4049.68	
200	3802.61	3993.43	
205	3730.91	3918.16	
210	3639.44	3822.13	
215	3526.67	3703.75	
220	3391.48	3561.83	
225	3233.42	3395.91	
230	3053.00	3206.51	
235	2851.86	2995.37	
240	2632.99	2765.63	
245	2400.71	2521.84	
250	2160.67	2269.92	
255	1919.56	2016.90	
260	1684.76	1770.56	
265	1463.84	1538.82	
270	1263.78	1329.05	
275	1090.12	1147.03	
280	945.87	995.94	
285	830.76	875.45	
290	741.16	781.75	
295	671.29	708.75	
300	615.40	650.42	
305	569.74	602.82	
310	533.56	565.13	
315	508.69	539.26	
320	497.94	528.08	
325	502.78	533.12	
330	521.73	552.83	
335	550.48	582.75	
340	583.37	617.02	
345	614.91	649.91	
350	640.63	676.75	
355	657.32	694.17	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission