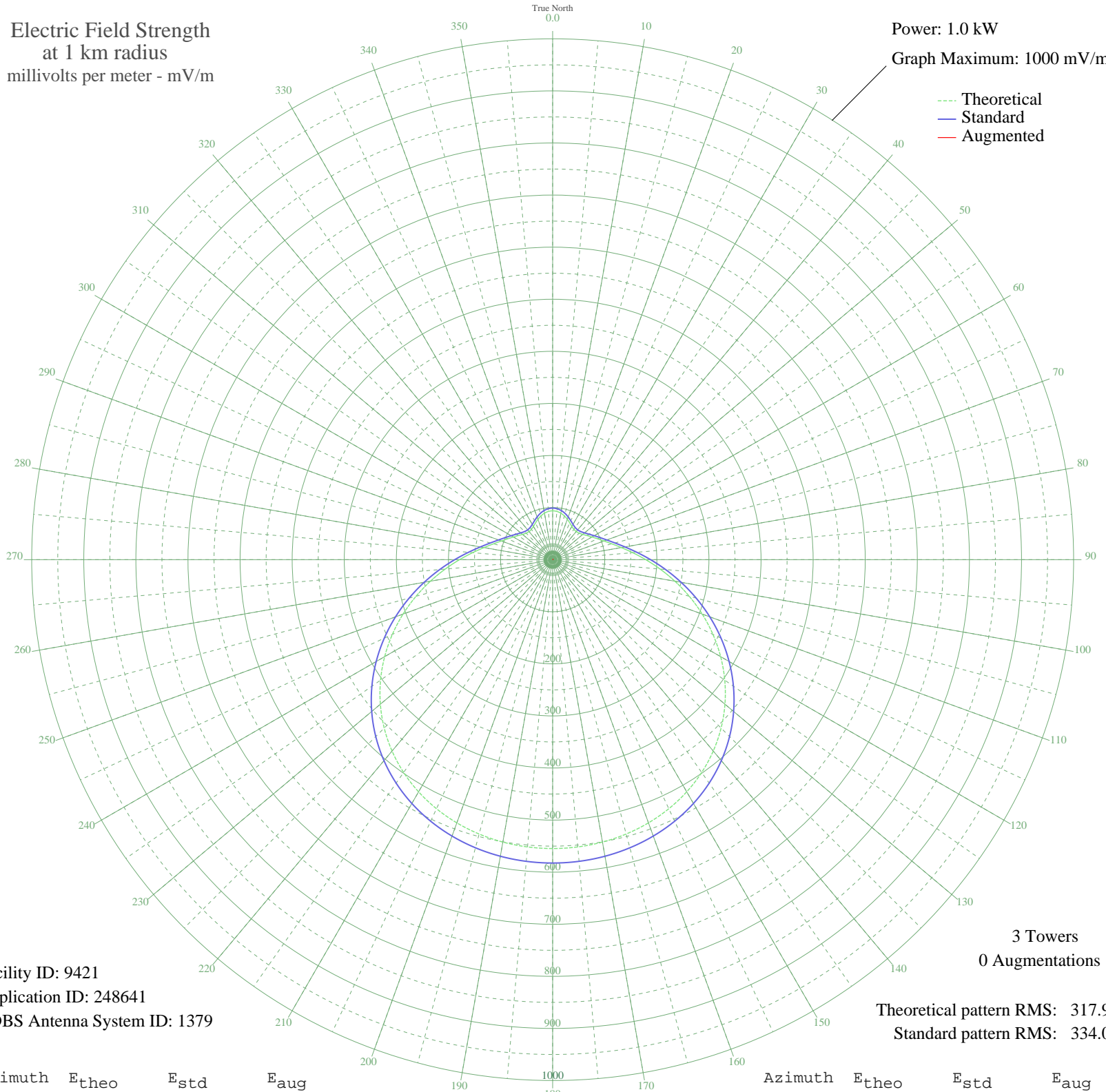


# KFNX CAVE CREEK, AZ BL-19970613AV 1100 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 9421  
Application ID: 248641  
CDBS Antenna System ID: 1379

3 Towers  
0 Augmentations

Theoretical pattern RMS: 317.99  
Standard pattern RMS: 334.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	93.77	99.02	
5	92.96	98.17	
10	90.60	95.70	
15	86.96	91.91	
20	82.50	87.26	
25	77.85	82.41	
30	73.78	78.18	
35	71.10	75.39	
40	70.42	74.68	
45	71.94	76.26	
50	75.45	79.92	
55	80.57	85.25	
60	87.03	91.98	
65	94.93	100.23	
70	104.81	110.55	
75	117.48	123.80	
80	133.76	140.84	
85	154.16	162.21	
90	178.72	187.95	
95	207.01	217.62	
100	238.26	250.39	
105	271.46	285.23	
110	305.56	321.01	
115	339.50	356.63	
120	372.35	391.11	
125	403.30	423.60	
130	431.75	453.46	
135	457.26	480.24	
140	479.61	503.70	
145	498.73	523.77	
150	514.68	540.52	
155	527.62	554.10	
160	537.76	564.74	
165	545.33	572.70	
170	550.56	578.19	
175	553.63	581.40	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	554.63	582.46	
185	553.63	581.40	
190	550.56	578.19	
195	545.33	572.70	
200	537.76	564.74	
205	527.62	554.10	
210	514.68	540.52	
215	498.73	523.77	
220	479.61	503.70	
225	457.26	480.24	
230	431.75	453.46	
235	403.30	423.60	
240	372.35	391.11	
245	339.50	356.63	
250	305.56	321.01	
255	271.46	285.23	
260	238.25	250.39	
265	207.01	217.62	
270	178.72	187.95	
275	154.16	162.21	
280	133.76	140.84	
285	117.48	123.80	
290	104.81	110.55	
295	94.93	100.23	
300	87.03	91.98	
305	80.57	85.25	
310	75.45	79.92	
315	71.94	76.26	
320	70.42	74.68	
325	71.10	75.39	
330	73.78	78.18	
335	77.85	82.41	
340	82.50	87.26	
345	86.96	91.91	
350	90.60	95.70	
355	92.96	98.17	

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