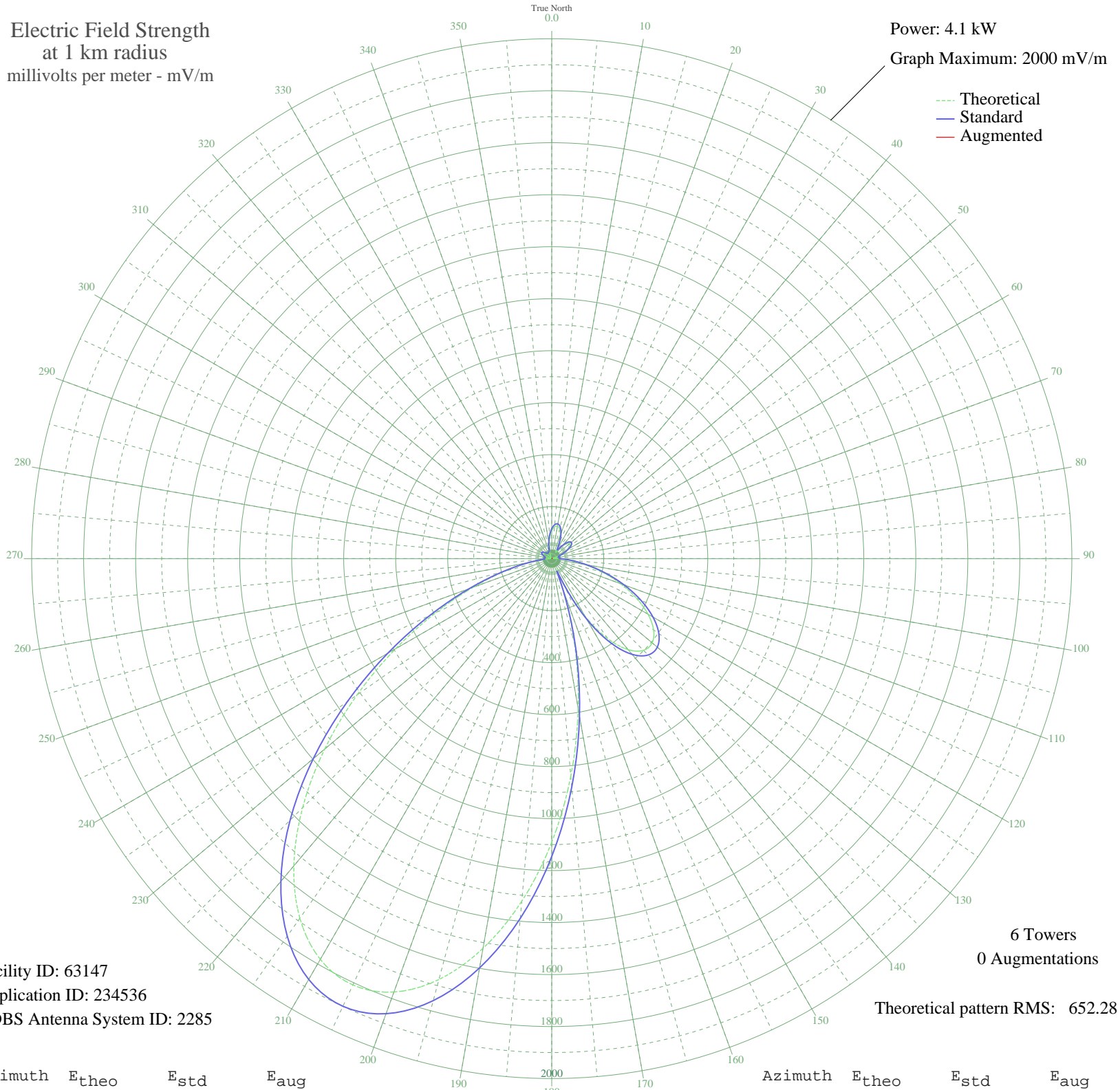


# KMIA BLACK CANYON CITY, AZ BMP-19961021AC 710 kHz

Nighttime

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

Power: 4.1 kW  
Graph Maximum: 2000 mV/m



Facility ID: 63147  
Application ID: 234536  
CDBS Antenna System ID: 2285

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 652.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	106.95	115.06	
5	122.63	131.17	
10	126.91	135.59	
15	117.93	126.33	
20	96.15	104.02	
25	64.96	72.66	
30	33.73	43.38	
35	34.40	43.95	
40	61.04	68.81	
45	82.18	89.85	
50	90.46	98.23	
55	84.59	92.28	
60	66.61	74.29	
65	41.20	49.98	
70	14.87	29.51	
75	7.91	26.38	
80	16.58	30.50	
85	10.90	27.53	
90	21.12	33.45	
95	65.68	73.37	
100	127.67	136.37	
105	201.68	213.24	
110	281.31	296.44	
115	359.19	377.98	
120	427.43	449.50	
125	478.19	502.72	
130	504.11	529.91	
135	498.77	524.31	
140	457.13	480.64	
145	375.97	395.57	
150	254.50	268.40	
155	97.60	105.50	
160	115.77	124.11	
165	338.36	356.16	
170	584.63	614.37	
175	839.99	882.35	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1090.86	1145.68	
185	1323.01	1389.39	
190	1522.37	1598.69	
195	1676.16	1760.15	
200	1774.08	1862.95	
205	1809.43	1900.06	
210	1780.01	1869.18	
215	1688.60	1773.21	
220	1542.92	1620.26	
225	1354.96	1422.93	
230	1139.76	1197.01	
235	913.83	959.85	
240	693.27	728.36	
245	492.06	517.27	
250	320.72	337.68	
255	185.48	196.36	
260	88.17	95.90	
265	26.82	37.69	
270	7.88	26.37	
275	14.87	29.51	
280	8.59	26.62	
285	6.79	26.04	
290	20.98	33.36	
295	31.98	41.89	
300	36.72	45.97	
305	34.47	44.01	
310	26.29	37.28	
315	14.64	29.39	
320	3.82	25.36	
325	8.13	26.46	
330	11.87	27.97	
335	10.06	27.18	
340	13.49	28.77	
345	31.70	41.66	
350	56.79	64.68	
355	83.49	91.17	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission