

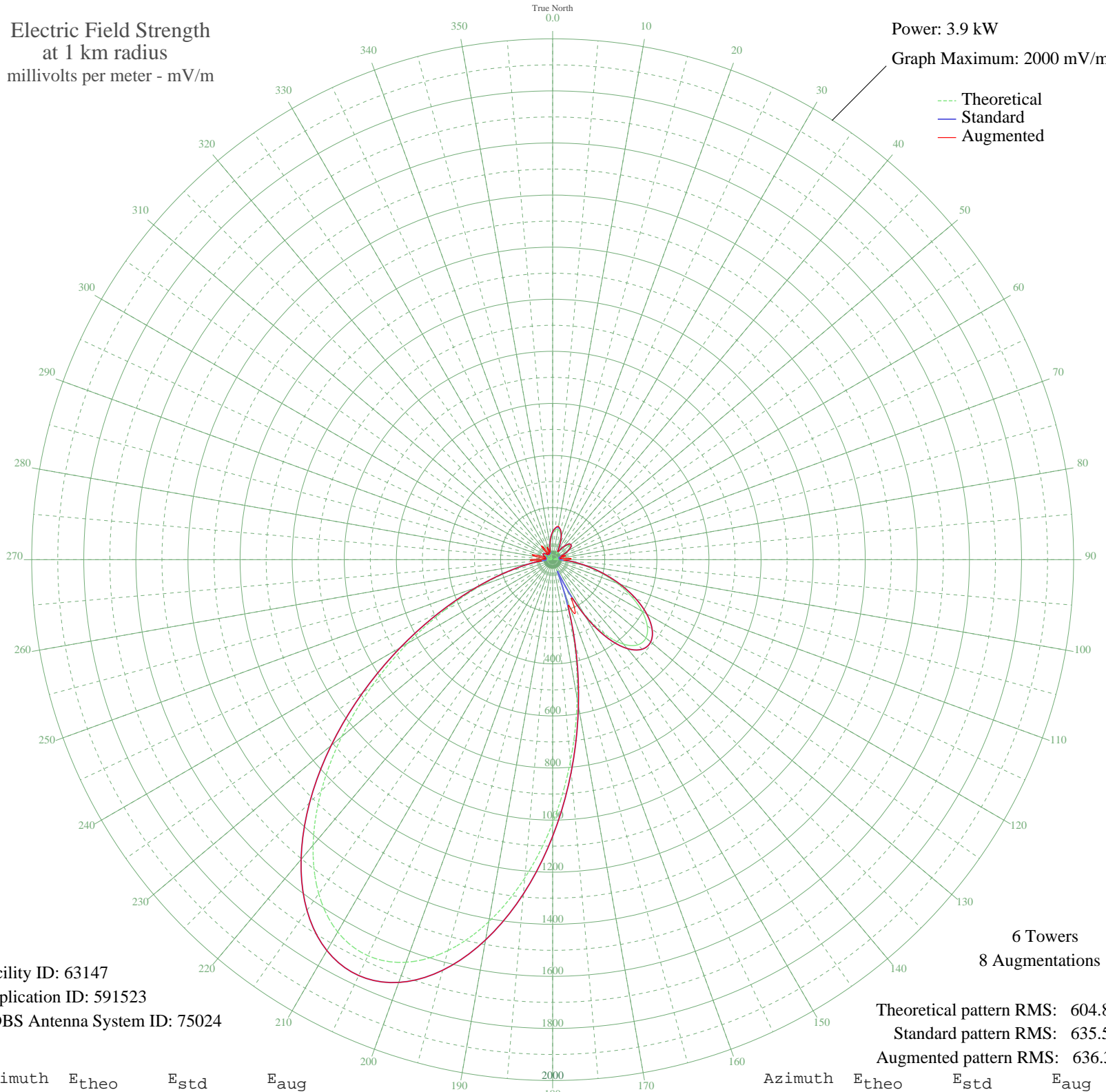
# KMIA BLACK CANYON CITY, AZ BL-20011227AAZ 710 kHz

Nighttime

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

Power: 3.9 kW

Graph Maximum: 2000 mV/m



Facility ID: 63147  
Application ID: 591523  
CDBS Antenna System ID: 75024

6 Towers  
8 Augmentations

Theoretical pattern RMS: 604.86  
Standard pattern RMS: 635.53  
Augmented pattern RMS: 636.36

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	99.18	106.70	106.70
5	113.72	121.64	122.05
10	117.69	125.73	129.45
15	109.36	117.15	117.15
20	89.16	96.45	96.45
25	60.24	67.38	67.38
30	31.28	40.23	40.23
35	31.90	40.76	40.76
40	56.60	63.81	63.81
45	76.21	83.32	83.32
50	83.89	91.09	91.09
55	78.44	85.57	85.57
60	61.77	68.89	68.89
65	38.20	46.35	46.35
70	13.79	27.37	38.90
75	7.33	24.47	45.23
80	15.37	28.28	28.28
85	10.11	25.53	60.49
90	19.59	31.02	50.49
95	60.90	68.03	68.03
100	118.39	126.46	126.46
105	187.02	197.74	197.74
110	260.86	274.89	274.89
115	333.08	350.50	350.50
120	396.36	416.82	416.82
125	443.43	466.18	466.18
130	467.46	491.38	491.38
135	462.51	486.19	486.19
140	423.90	445.70	445.70
145	348.64	366.81	366.81
150	236.00	248.89	248.89
155	90.51	97.83	184.37
160	107.35	115.09	194.08
165	313.76	330.26	330.26
170	542.13	569.71	569.71
175	778.93	818.20	818.20

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1011.56	1062.39	1062.39
185	1226.83	1288.38	1288.38
190	1411.70	1482.46	1482.46
195	1554.31	1632.19	1632.19
200	1645.11	1727.52	1727.52
205	1677.88	1761.93	1761.93
210	1650.60	1733.29	1733.29
215	1565.84	1644.30	1644.30
220	1430.75	1502.47	1502.47
225	1256.45	1319.48	1319.48
230	1056.90	1109.99	1109.99
235	847.40	890.07	890.07
240	642.87	675.41	675.41
245	456.29	479.66	479.66
250	297.40	313.14	313.14
255	172.00	182.09	182.09
260	81.76	88.93	88.93
265	24.87	34.95	43.49
270	7.30	24.46	83.32
275	13.79	27.37	27.37
280	7.96	24.68	51.94
285	6.30	24.15	67.37
290	19.46	30.93	30.93
295	29.66	38.85	38.85
300	34.05	42.63	42.63
305	31.96	40.81	40.81
310	24.38	34.57	34.57
315	13.58	27.25	27.25
320	3.54	23.52	65.86
325	7.54	24.54	31.65
330	11.01	25.94	25.94
335	9.33	25.21	48.59
340	12.51	26.68	34.06
345	29.40	38.63	38.63
350	52.66	59.98	59.98
355	77.42	84.54	84.54