

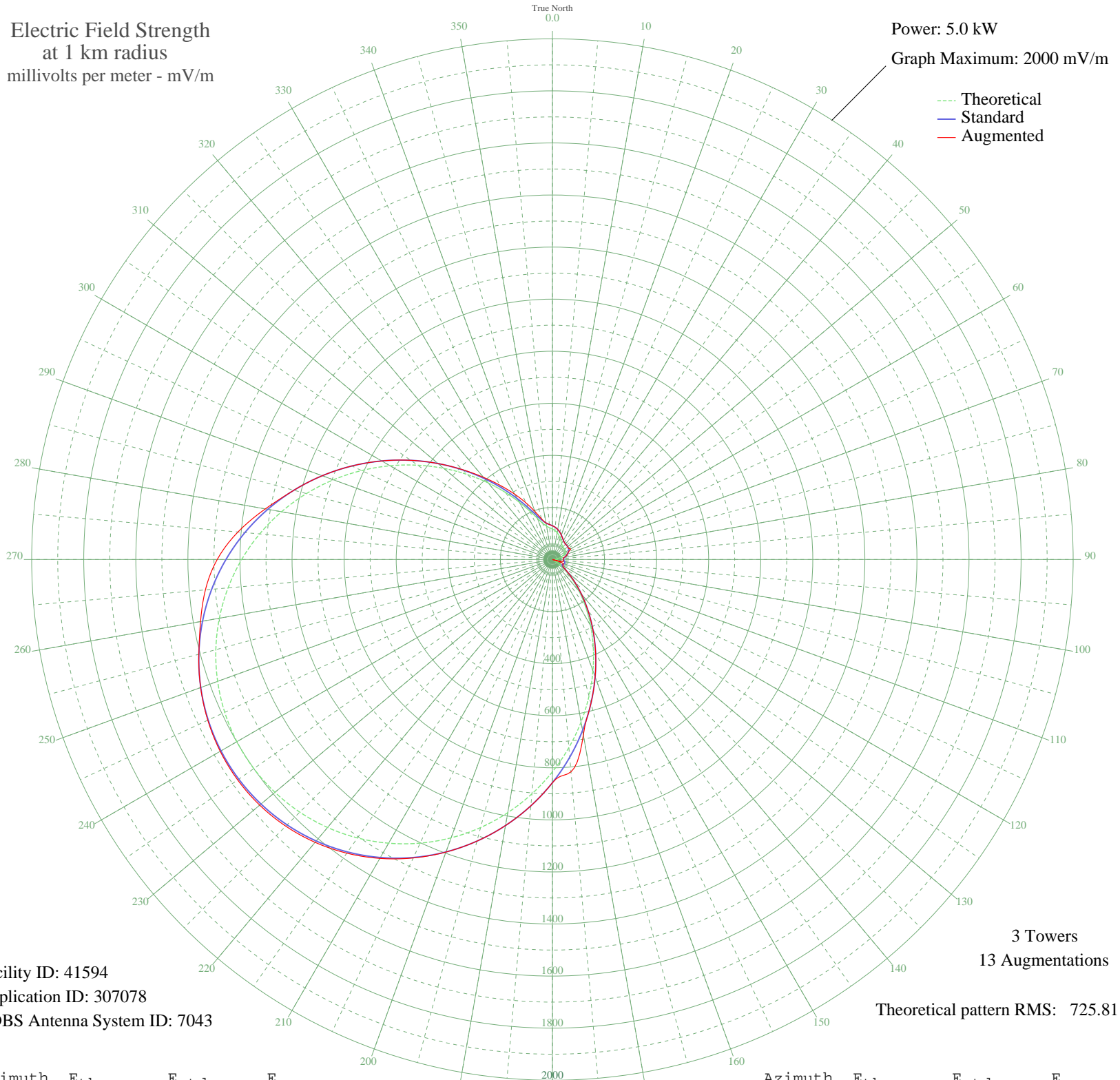
# KSCO SANTA CRUZ, CA BL-- 1080 kHz

Nighttime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

3 Towers  
13 Augmentations

Theoretical pattern RMS: 725.81

Facility ID: 41594  
Application ID: 307078  
CDBS Antenna System ID: 7043

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	117.06	129.70	129.70
5	111.48	124.15	124.15
10	104.46	117.23	117.23
15	95.96	108.92	108.92
20	86.68	99.98	99.98
25	77.75	91.52	91.52
30	70.37	84.68	84.68
35	65.39	80.17	80.17
40	62.88	77.92	77.92
45	61.97	77.11	77.11
50	61.37	76.58	76.58
55	59.81	75.21	75.21
60	56.44	72.27	80.47
65	50.79	67.50	67.50
70	42.84	61.12	61.12
75	32.91	53.91	54.72
80	21.71	47.24	45.06
85	10.80	42.91	42.85
90	7.69	42.16	41.84
95	15.45	44.45	41.14
100	22.43	47.61	41.50
105	25.60	49.34	0.00
110	23.45	48.15	43.75
115	14.80	44.20	43.60
120	4.61	41.66	48.28
125	27.95	50.73	50.73
130	62.34	77.44	77.44
135	106.37	119.10	119.10
140	159.88	172.90	172.90
145	222.44	237.20	237.20
150	293.26	310.69	310.69
155	371.25	392.00	392.00
160	455.04	479.58	479.58
165	543.07	571.73	571.73
170	633.66	666.63	684.21
175	725.06	762.43	818.51

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	815.54	857.31	857.31
185	903.45	949.53	949.53
190	987.30	1037.49	1037.49
195	1065.73	1119.79	1119.79
200	1137.62	1195.22	1195.79
205	1202.01	1262.79	1264.80
210	1258.15	1321.71	1325.55
215	1305.49	1371.38	1376.94
220	1343.58	1411.37	1418.08
225	1372.16	1441.37	1448.41
230	1391.04	1461.18	1467.66
235	1400.10	1470.69	1475.87
240	1399.32	1469.86	1473.32
245	1388.70	1458.72	1460.46
250	1368.33	1437.34	1437.81
255	1338.34	1405.87	1405.87
260	1298.97	1364.55	1372.34
265	1250.55	1313.73	1337.86
270	1193.55	1253.91	1287.48
275	1128.60	1185.75	1212.43
280	1056.50	1110.10	1119.66
285	978.28	1028.02	1028.02
290	895.15	940.81	940.81
295	808.53	849.97	849.97
300	720.04	757.18	757.18
305	631.45	664.31	664.31
310	544.61	573.34	573.34
315	461.49	486.33	488.00
320	384.06	405.38	412.15
325	314.26	332.56	346.48
330	253.99	269.88	289.68
335	204.98	219.17	239.77
340	168.40	181.60	196.26
345	144.17	156.94	162.02
350	130.12	142.76	142.76
355	122.39	135.01	135.01