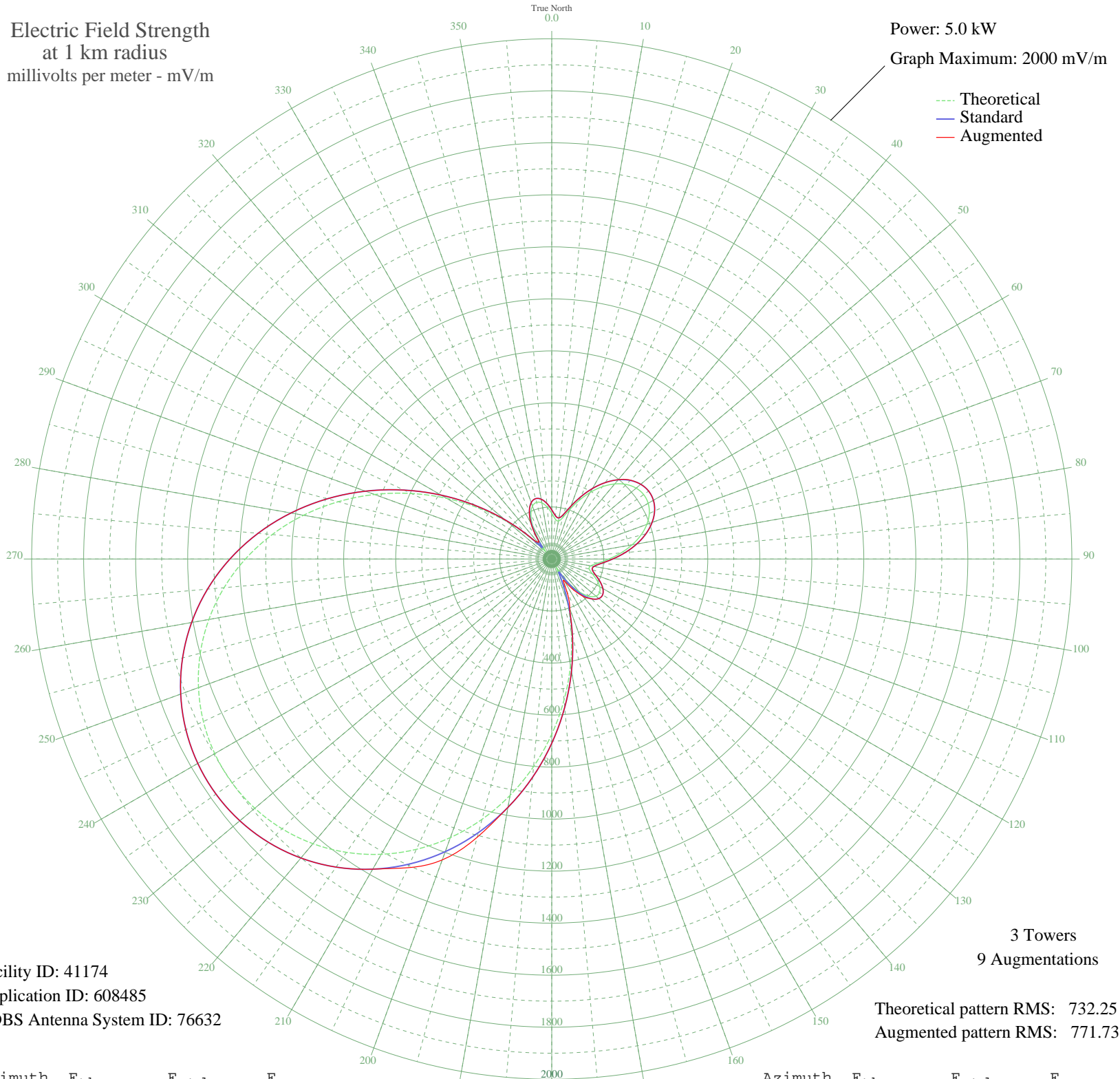


KYOS MERCED, CA BML-20020709ABO 1480 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 41174
Application ID: 608485
CDBS Antenna System ID: 76632

Theoretical pattern RMS: 732.25
Augmented pattern RMS: 771.73

Azimuth	E _{theo}	E _{std}	E _{aug}
0	175.86	188.90	188.90
5	154.14	166.68	166.68
10	148.02	160.45	160.45
15	165.65	178.43	178.43
20	202.38	216.20	216.20
25	248.22	263.65	263.65
30	295.48	312.80	312.80
35	339.32	358.50	358.50
40	376.58	397.41	398.10
45	405.20	427.32	428.52
50	423.80	446.77	446.77
55	431.58	454.91	454.91
60	428.24	451.41	451.41
65	413.89	436.41	436.41
70	389.16	410.55	410.55
75	355.15	375.02	375.02
80	313.63	331.71	331.71
85	267.27	283.45	283.45
90	220.13	234.54	234.54
95	178.62	191.73	191.73
100	152.21	164.71	164.71
105	149.12	161.56	161.56
110	166.15	178.95	179.19
115	191.01	204.48	204.87
120	212.82	226.98	226.98
125	224.62	239.19	239.19
130	222.06	236.54	236.54
135	202.54	216.37	216.37
140	164.87	177.64	187.85
145	109.67	121.85	143.49
150	45.99	62.59	96.76
155	74.07	87.38	136.98
160	174.55	187.56	202.14
165	290.42	307.53	307.53
170	414.90	437.47	437.47
175	543.89	572.47	572.47

Azimuth	E _{theo}	E _{std}	E _{aug}
180	673.68	708.48	708.48
185	800.90	841.89	841.89
190	922.57	969.52	969.52
195	1036.17	1088.71	1107.40
200	1139.69	1197.34	1231.15
205	1231.60	1293.80	1309.57
210	1310.82	1376.94	1376.94
215	1376.65	1446.03	1446.03
220	1428.68	1500.65	1500.65
225	1466.71	1540.56	1540.56
230	1490.67	1565.71	1565.71
235	1500.53	1576.06	1576.06
240	1496.30	1571.62	1571.62
245	1477.99	1552.40	1552.40
250	1445.58	1518.38	1518.38
255	1399.14	1469.63	1469.63
260	1338.79	1406.29	1406.29
265	1264.86	1328.70	1328.70
270	1177.92	1237.46	1237.46
275	1078.89	1133.53	1133.53
280	969.10	1018.34	1018.34
285	850.38	893.79	893.79
290	725.05	762.34	762.34
295	595.90	626.96	626.96
300	466.17	491.10	491.10
305	339.42	358.61	358.61
310	219.56	233.95	233.95
315	111.53	123.70	123.70
320	37.35	55.90	85.29
325	83.70	96.48	98.40
330	144.76	157.13	160.93
335	189.67	203.09	204.01
340	216.39	230.67	230.67
345	225.50	240.10	240.10
350	219.03	233.40	233.40
355	200.56	214.33	214.33

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission