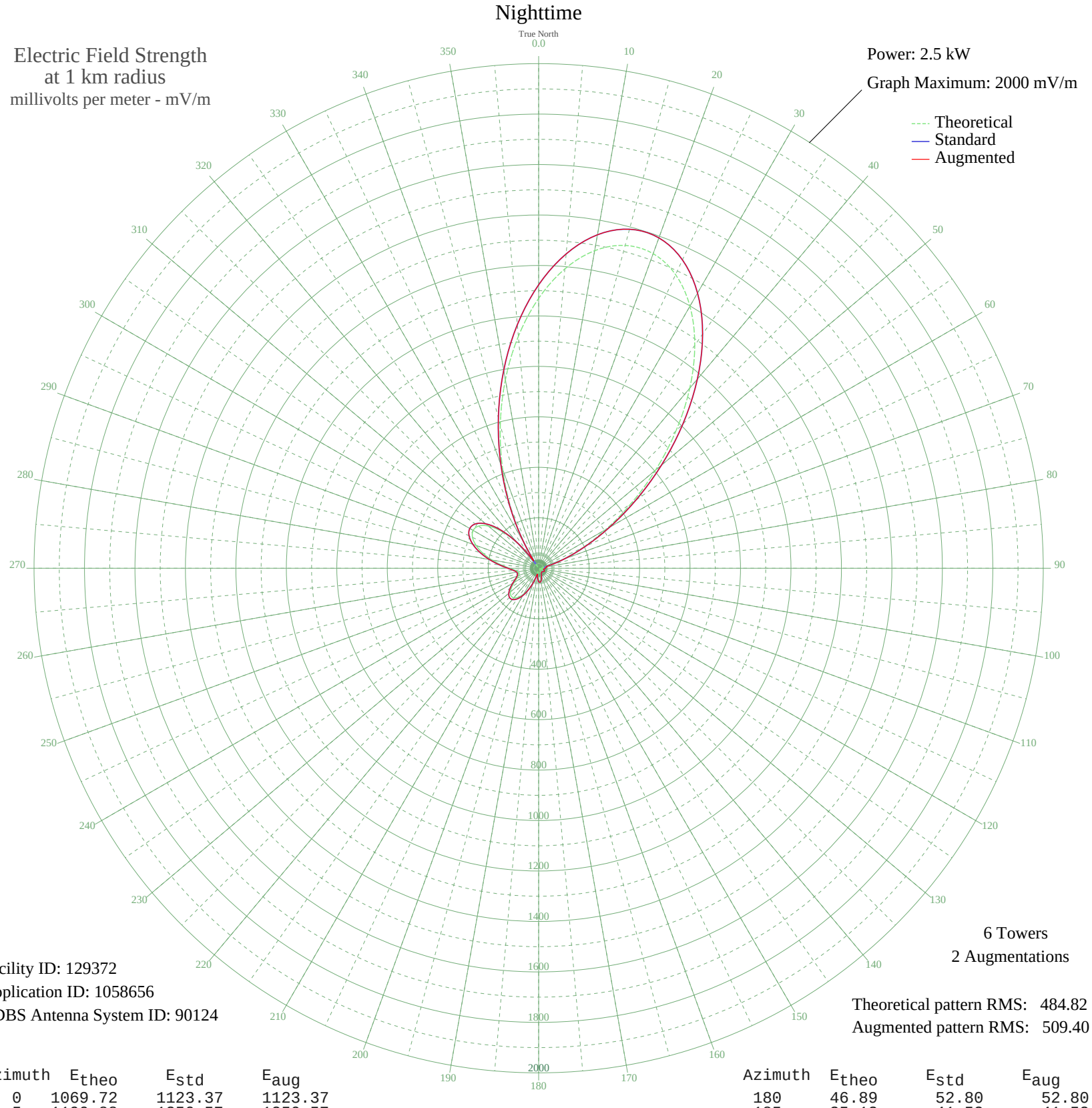
KUTR TAYLORSVILLE, UT BL-20050413ACR 820 kHz

Nighttime

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



Power: 2.5 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

6 Towers
2 Augmentations

Facility ID: 129372
Application ID: 1058656
CDBS Antenna System ID: 90124

Theoretical pattern RMS: 484.82
Augmented pattern RMS: 509.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1069.72	1123.37	1123.37
5	1190.88	1250.57	1250.57
10	1277.99	1342.03	1342.03
15	1324.61	1390.97	1390.97
20	1326.86	1393.33	1393.33
25	1284.10	1348.44	1348.44
30	1199.24	1259.34	1259.34
35	1078.68	1132.78	1132.78
40	931.76	978.53	978.53
45	769.73	808.44	808.44
50	604.54	635.06	635.06
55	447.44	470.19	470.19
60	307.72	323.67	323.67
65	191.92	202.41	202.41
70	103.35	110.18	110.18
75	42.52	48.54	48.54
80	11.76	22.72	32.47
85	17.30	26.33	27.39
90	19.12	27.69	27.69
95	13.16	23.55	23.55
100	4.60	19.67	19.67
105	7.44	20.60	20.60
110	13.84	23.97	23.97
115	16.72	25.92	25.92
120	15.90	25.34	25.34
125	12.37	23.07	23.07
130	7.98	20.83	20.83
135	5.24	19.84	19.84
140	5.11	19.81	19.81
145	5.48	19.92	19.92
150	8.33	20.98	20.98
155	15.96	25.39	25.39
160	26.56	33.78	33.78
165	37.62	43.86	43.86
170	46.43	52.35	52.35
175	50.27	56.12	56.12

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 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	46.89	52.80	52.80
185	35.13	41.52	41.52
190	16.87	26.03	26.03
195	21.07	29.21	29.21
200	52.23	58.06	58.06
205	86.09	92.38	92.38
210	116.80	124.11	124.11
215	140.12	148.35	148.35
220	153.13	161.92	161.92
225	154.75	163.60	163.60
230	146.01	154.49	154.49
235	130.03	137.86	137.86
240	111.46	118.58	118.58
245	95.24	101.81	101.81
250	84.75	91.00	91.00
255	80.56	86.71	86.71
260	82.62	88.82	88.82
265	93.21	99.71	99.71
270	115.23	122.48	122.48
275	148.04	156.61	156.61
280	187.48	197.78	197.78
285	227.96	240.12	240.12
290	263.69	277.54	277.54
295	289.24	304.30	304.30
300	299.73	315.29	315.29
305	291.12	306.27	306.27
310	260.30	273.98	273.98
315	205.23	216.34	216.34
320	125.08	132.72	133.01
325	20.70	28.91	40.11
330	107.66	114.64	116.21
335	254.86	268.28	268.28
340	416.87	438.12	438.12
345	587.40	617.06	617.06
350	758.87	797.04	797.04
355	922.70	969.02	969.02