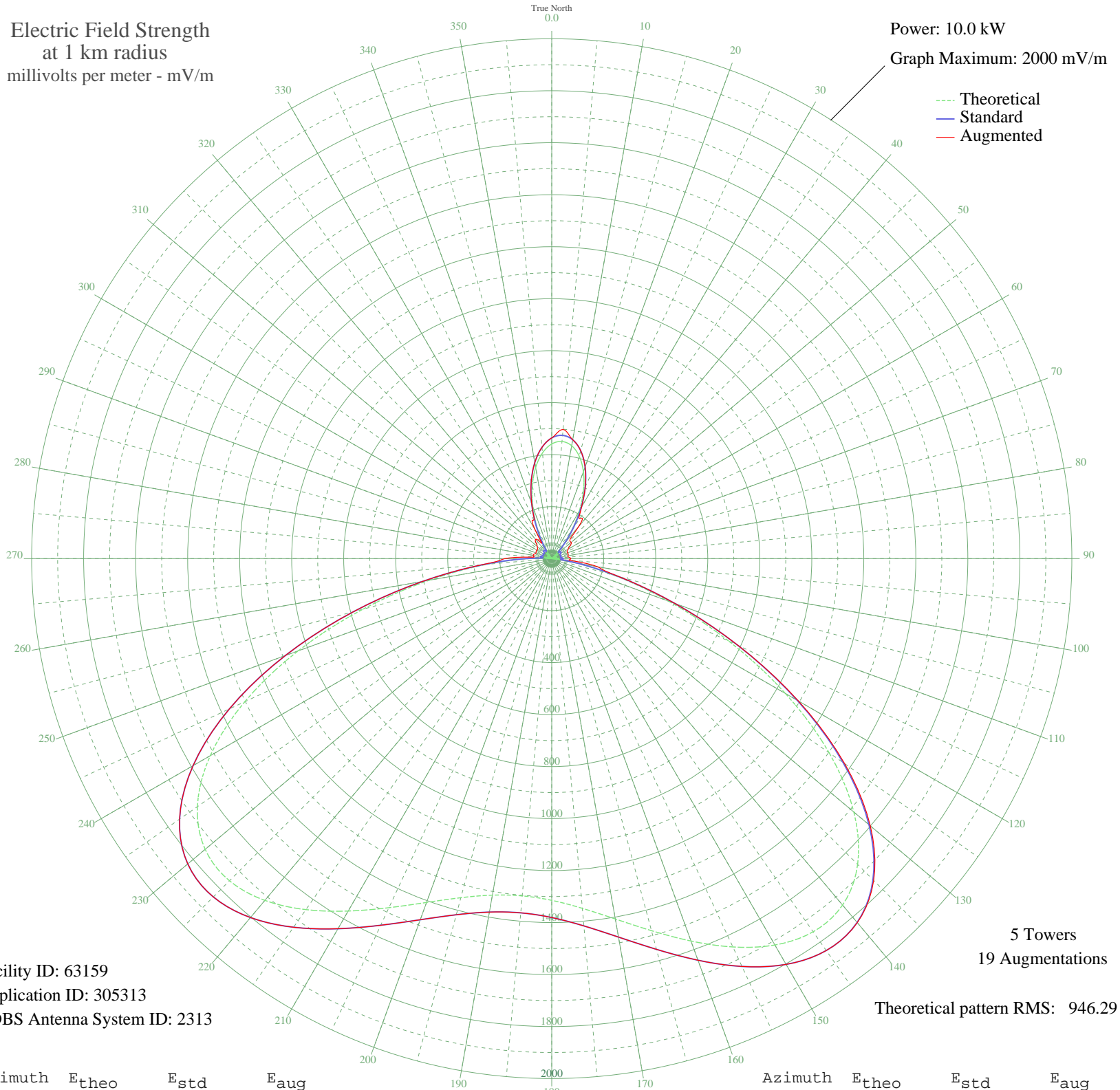


# KGNC AMARILLO, TX BL-- 710 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 63159  
Application ID: 305313  
CDBS Antenna System ID: 2313

5 Towers  
19 Augmentations  
Theoretical pattern RMS: 946.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	441.11	464.35	464.35
5	452.33	476.11	498.90
10	441.11	464.35	464.35
15	408.21	429.91	429.91
20	356.02	375.30	375.30
25	288.72	304.97	304.97
30	212.41	225.49	229.56
35	134.94	145.52	188.22
40	65.13	76.02	161.34
45	11.35	35.28	98.38
50	20.49	39.56	97.76
55	29.08	45.11	85.71
60	18.97	38.72	72.91
65	0.08	33.20	65.56
70	15.15	36.82	64.92
75	16.67	37.53	66.03
80	2.11	33.28	63.52
85	19.60	39.07	65.54
90	28.77	44.89	74.03
95	0.00	33.20	65.70
100	89.38	99.55	177.53
105	250.71	265.33	268.11
110	478.76	503.80	503.80
115	751.98	790.28	791.43
120	1038.02	1090.42	1095.38
125	1302.31	1367.83	1375.07
130	1516.42	1592.59	1599.13
135	1663.49	1746.98	1750.68
140	1739.73	1827.02	1827.89
145	1752.48	1840.41	1840.41
150	1716.22	1802.33	1802.33
155	1648.27	1731.01	1731.01
160	1565.39	1644.00	1644.00
165	1481.62	1556.06	1556.06
170	1407.54	1478.29	1478.29
175	1350.36	1418.26	1418.26

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1314.50	1380.63	1380.63
185	1302.31	1367.83	1367.83
190	1314.50	1380.63	1380.63
195	1350.36	1418.26	1418.26
200	1407.54	1478.29	1478.29
205	1481.62	1556.06	1556.06
210	1565.39	1644.00	1644.00
215	1648.28	1731.01	1731.01
220	1716.22	1802.33	1802.33
225	1752.48	1840.41	1840.41
230	1739.73	1827.02	1827.02
235	1663.49	1746.98	1746.98
240	1516.42	1592.59	1592.59
245	1302.31	1367.83	1367.83
250	1038.01	1090.42	1090.42
255	751.98	790.27	790.27
260	478.76	503.79	503.87
265	250.71	265.33	269.56
270	89.38	99.55	180.34
275	0.00	33.20	67.21
280	28.77	44.89	73.06
285	19.60	39.07	68.84
290	2.11	33.28	64.16
295	16.67	37.53	66.30
300	15.15	36.82	65.72
305	0.08	33.20	66.09
310	18.97	38.72	72.93
315	29.08	45.11	85.39
320	20.49	39.56	96.97
325	11.36	35.28	80.25
330	65.13	76.02	127.09
335	134.94	145.53	162.94
340	212.42	225.49	225.49
345	288.72	304.97	304.97
350	356.02	375.30	375.30
355	408.21	429.91	429.91

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission