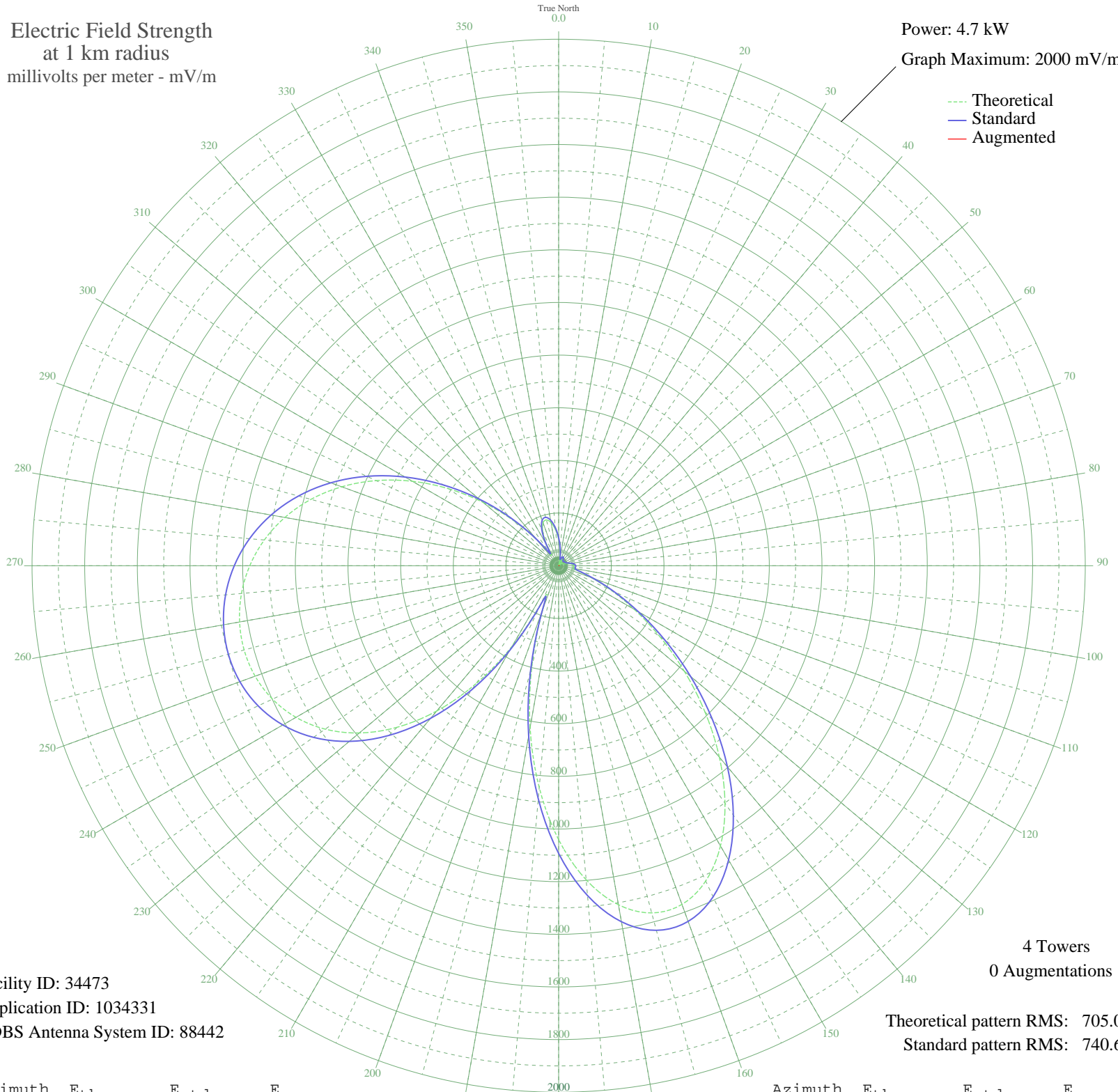


# KGOL HUMBLE, TX BP-19870331BS 1180 kHz

Nighttime

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

Power: 4.7 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 34473  
Application ID: 1034331  
CDBS Antenna System ID: 88442

4 Towers  
0 Augmentations

Theoretical pattern RMS: 705.03  
Standard pattern RMS: 740.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	98.95	106.36	
5	59.37	66.37	
10	23.71	33.74	
15	3.94	23.14	
20	21.46	32.03	
25	28.71	37.77	
30	27.14	36.48	
35	19.38	30.53	
40	8.51	24.45	
45	2.41	22.90	
50	10.88	25.47	
55	15.38	27.91	
60	15.91	28.23	
65	15.37	27.90	
70	19.95	30.93	
75	30.64	39.41	
80	43.11	50.67	
85	53.40	60.52	
90	58.41	65.42	
95	57.12	64.15	
100	56.03	63.09	
105	76.65	83.64	
110	132.29	140.76	
115	218.87	230.94	
120	332.29	349.64	
125	468.70	492.66	
130	622.61	654.14	
135	786.25	825.88	
140	949.66	997.41	
145	1101.32	1156.61	
150	1229.11	1290.76	
155	1321.55	1387.81	
160	1369.12	1437.76	
165	1365.35	1433.80	
170	1307.65	1373.22	
175	1197.58	1257.67	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1040.68	1092.96	
185	845.86	888.45	
190	624.64	656.27	
195	391.30	411.50	
200	173.73	183.83	
205	159.13	168.63	
210	351.98	370.28	
215	546.85	574.65	
220	720.42	756.79	
225	867.90	911.58	
230	988.26	1037.92	
235	1082.29	1136.63	
240	1151.82	1209.62	
245	1199.18	1259.35	
250	1226.76	1288.30	
255	1236.65	1298.68	
260	1230.45	1292.18	
265	1209.15	1269.81	
270	1173.08	1231.95	
275	1122.13	1178.45	
280	1055.88	1108.91	
285	974.04	1022.99	
290	876.77	920.89	
295	765.13	803.71	
300	641.45	673.91	
305	509.49	535.45	
310	374.54	393.93	
315	243.34	256.52	
320	124.77	132.97	
325	47.17	54.51	
330	88.57	95.75	
335	142.42	151.26	
340	173.34	183.43	
345	180.07	190.44	
350	165.99	175.77	
355	136.72	145.35	

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