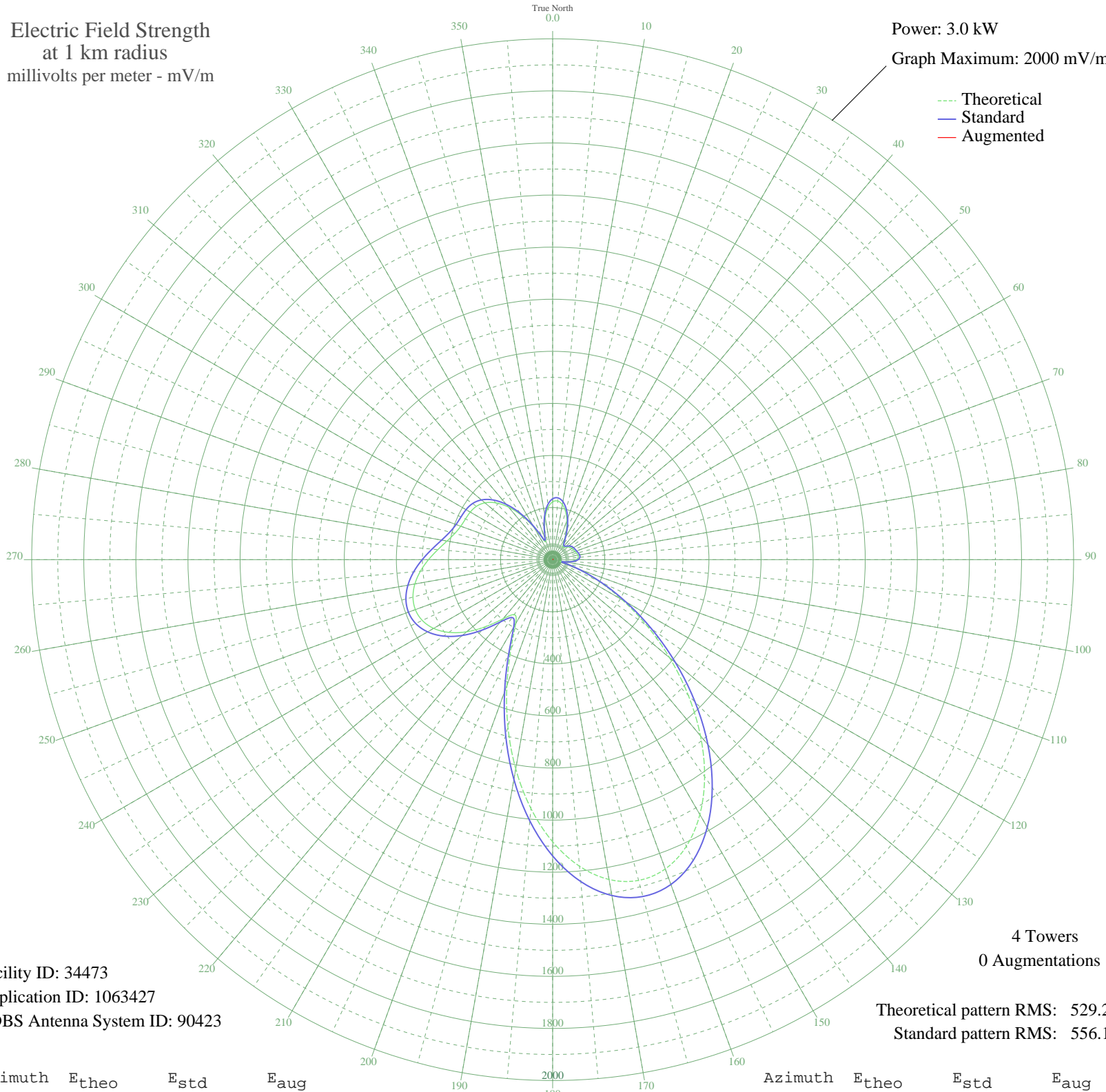


KGOL HUMBLE, TX BP-19870331BS 1180 kHz

Nighttime

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

Power: 3.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 34473
Application ID: 1063427
CDBS Antenna System ID: 90423

4 Towers
0 Augmentations

Theoretical pattern RMS: 529.20
Standard pattern RMS: 556.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	222.07	233.91	
5	226.06	238.09	
10	214.72	226.22	
15	191.07	201.49	
20	159.29	168.28	
25	124.35	131.88	
30	92.07	98.45	
35	69.47	75.27	
40	62.40	68.11	
45	67.61	73.39	
50	75.98	81.91	
55	82.44	88.53	
60	86.21	92.41	
65	88.60	94.86	
70	91.32	97.67	
75	95.03	101.50	
80	98.42	105.00	
85	98.47	105.05	
90	91.29	97.64	
95	73.18	79.05	
100	43.04	48.86	
105	34.93	41.12	
110	99.47	106.08	
115	193.41	203.92	
120	308.78	324.76	
125	441.60	464.05	
130	586.46	616.07	
135	736.33	773.37	
140	882.86	927.19	
145	1017.09	1068.11	
150	1130.23	1186.89	
155	1214.51	1275.37	
160	1263.98	1327.31	
165	1275.09	1338.98	
170	1247.01	1309.49	
175	1181.64	1240.86	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1083.40	1137.72	
185	958.76	1006.87	
190	815.78	856.77	
195	663.76	697.19	
200	513.55	539.55	
205	379.46	398.87	
210	284.24	299.03	
215	257.39	270.90	
220	296.73	312.12	
225	363.67	382.30	
230	430.81	452.74	
235	486.85	511.53	
240	527.66	554.36	
245	552.19	580.10	
250	560.88	589.21	
255	555.12	583.17	
260	537.07	564.23	
265	509.64	535.45	
270	476.57	500.75	
275	442.35	464.84	
280	411.81	432.80	
285	388.98	408.86	
290	375.49	394.70	
295	369.32	388.23	
300	365.33	384.05	
305	357.20	375.52	
310	339.40	356.85	
315	308.46	324.41	
320	263.55	277.35	
325	206.71	217.84	
330	143.57	151.89	
335	88.03	94.28	
340	77.68	83.65	
345	118.13	125.42	
350	165.09	174.34	
355	201.41	212.29	

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 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission