

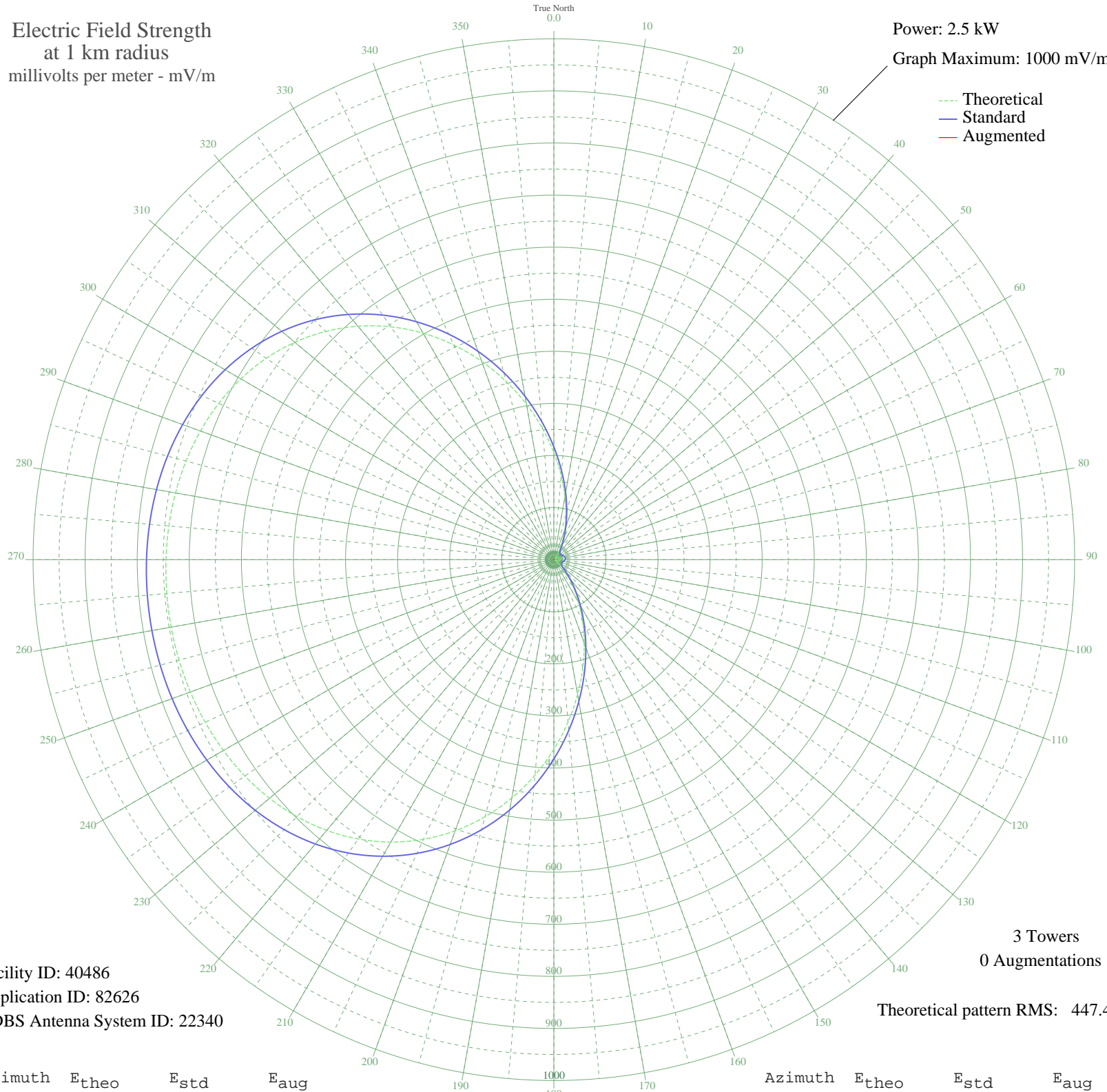
# KCHL SAN ANTONIO, TX BL-19851017AB 1480 kHz

Daytime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 40486  
Application ID: 82626  
CDBS Antenna System ID: 22340

3 Towers  
0 Augmentations

Theoretical pattern RMS: 447.42

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	205.55	216.47	
5	162.03	170.94	
10	123.22	130.44	
15	89.78	95.72	
20	62.08	67.26	
25	40.16	45.32	
30	23.81	30.01	
35	12.54	21.19	
40	5.69	17.64	
45	2.46	16.80	
50	1.99	16.73	
55	3.45	16.99	
60	6.00	17.76	
65	8.94	19.07	
70	11.65	20.62	
75	13.67	21.95	
80	14.70	22.67	
85	14.59	22.59	
90	13.34	21.72	
95	11.15	20.31	
100	8.35	18.77	
105	5.44	17.56	
110	3.04	16.91	
115	1.91	16.72	
120	2.85	16.87	
125	6.74	18.05	
130	14.42	22.47	
135	26.66	32.54	
140	44.09	49.18	
145	67.15	72.44	
150	96.01	102.17	
155	130.57	138.10	
160	170.39	179.67	
165	214.74	226.09	
170	262.65	276.28	
175	312.91	328.97	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	364.20	382.77	
185	415.16	436.24	
190	464.51	488.02	
195	511.08	536.89	
200	553.93	581.87	
205	592.38	622.22	
210	626.00	657.51	
215	654.66	687.59	
220	678.45	712.56	
225	697.66	732.74	
230	712.75	748.58	
235	724.25	760.64	
240	732.72	769.53	
245	738.71	775.82	
250	742.71	780.03	
255	745.12	782.55	
260	746.20	783.68	
265	746.08	783.56	
270	744.75	782.17	
275	742.05	779.33	
280	737.69	774.75	
285	731.24	767.98	
290	722.21	758.50	
295	710.04	745.73	
300	694.17	729.06	
305	674.07	707.97	
310	649.32	681.99	
315	619.67	650.87	
320	585.07	614.54	
325	545.70	573.22	
330	502.04	527.40	
335	454.83	477.86	
340	405.06	425.64	
345	353.92	371.99	
350	302.73	318.30	
355	252.84	266.00	