

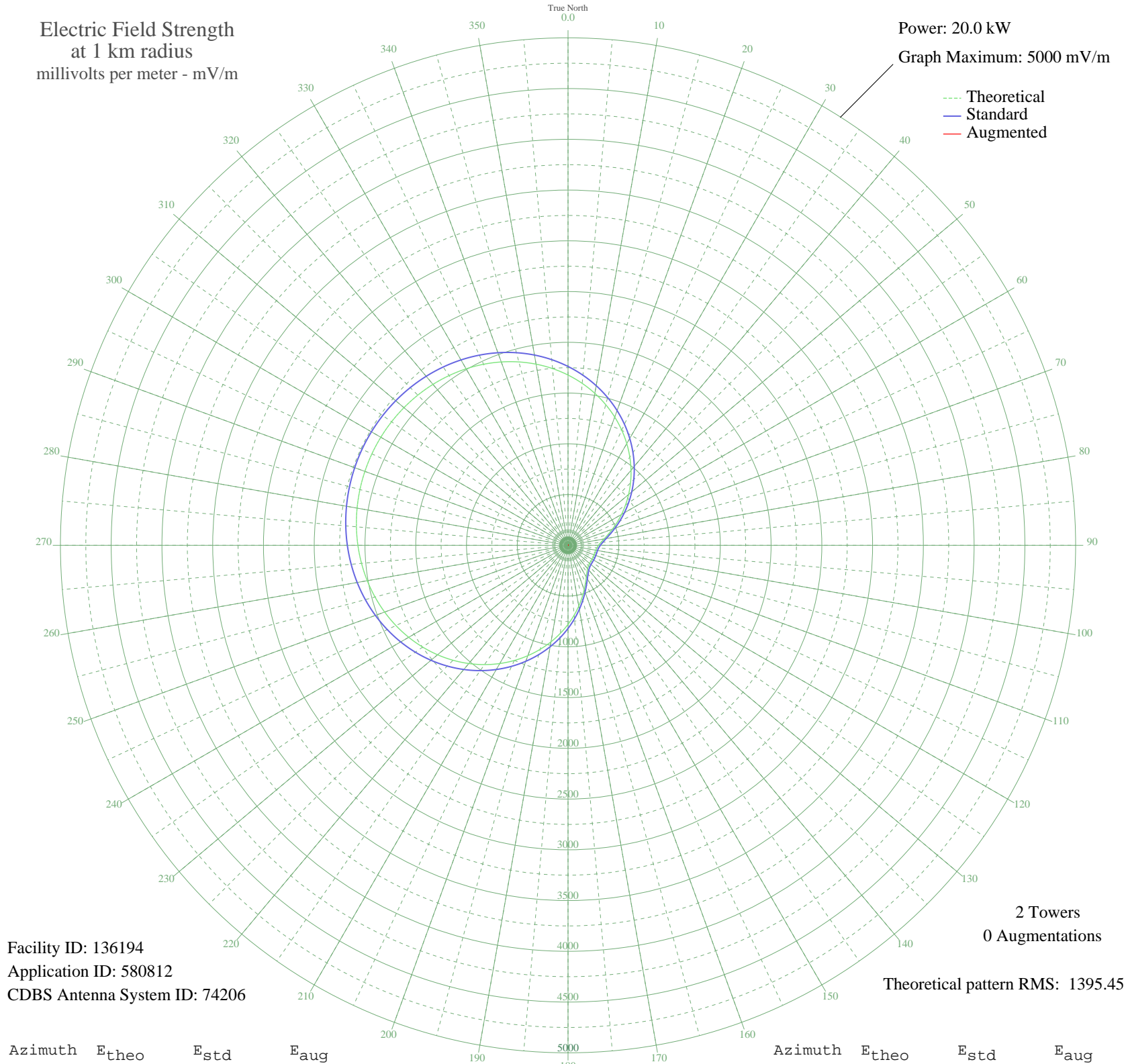
# XENVA PIEDRAS NEGRAS, CI Mexico -- 830 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 136194  
Application ID: 580812  
CDBS Antenna System ID: 74206

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1395.45

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1677.62	1762.13	
5	1601.64	1682.38	
10	1520.45	1597.16	
15	1434.61	1507.07	
20	1344.86	1412.88	
25	1252.03	1315.47	
30	1157.09	1215.85	
35	1061.10	1115.15	
40	965.23	1014.58	
45	870.69	915.43	
50	778.79	819.07	
55	690.86	726.92	
60	608.29	640.43	
65	532.52	561.12	
70	465.01	490.51	
75	407.13	430.06	
80	360.07	380.98	
85	324.44	343.88	
90	299.91	318.39	
95	285.01	302.93	
100	277.35	294.98	
105	274.24	291.75	
110	273.37	290.85	
115	273.25	290.73	
120	273.37	290.85	
125	274.24	291.75	
130	277.35	294.98	
135	285.01	302.93	
140	299.91	318.39	
145	324.44	343.88	
150	360.07	380.98	
155	407.13	430.06	
160	465.00	490.51	
165	532.52	561.12	
170	608.29	640.43	
175	690.86	726.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	778.79	819.07	
185	870.69	915.43	
190	965.23	1014.57	
195	1061.10	1115.14	
200	1157.08	1215.85	
205	1252.03	1315.46	
210	1344.85	1412.88	
215	1434.61	1507.07	
220	1520.44	1597.16	
225	1601.64	1682.38	
230	1677.62	1762.13	
235	1747.94	1835.93	
240	1812.28	1903.47	
245	1870.47	1964.56	
250	1922.45	2019.12	
255	1968.24	2067.18	
260	2007.95	2108.87	
265	2041.76	2144.36	
270	2069.86	2173.86	
275	2092.48	2197.60	
280	2109.81	2215.80	
285	2122.05	2228.65	
290	2129.34	2236.30	
295	2131.75	2238.84	
300	2129.34	2236.30	
305	2122.05	2228.65	
310	2109.81	2215.80	
315	2092.48	2197.60	
320	2069.86	2173.86	
325	2041.76	2144.36	
330	2007.95	2108.87	
335	1968.24	2067.18	
340	1922.45	2019.12	
345	1870.47	1964.56	
350	1812.28	1903.47	
355	1747.94	1835.93	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission