

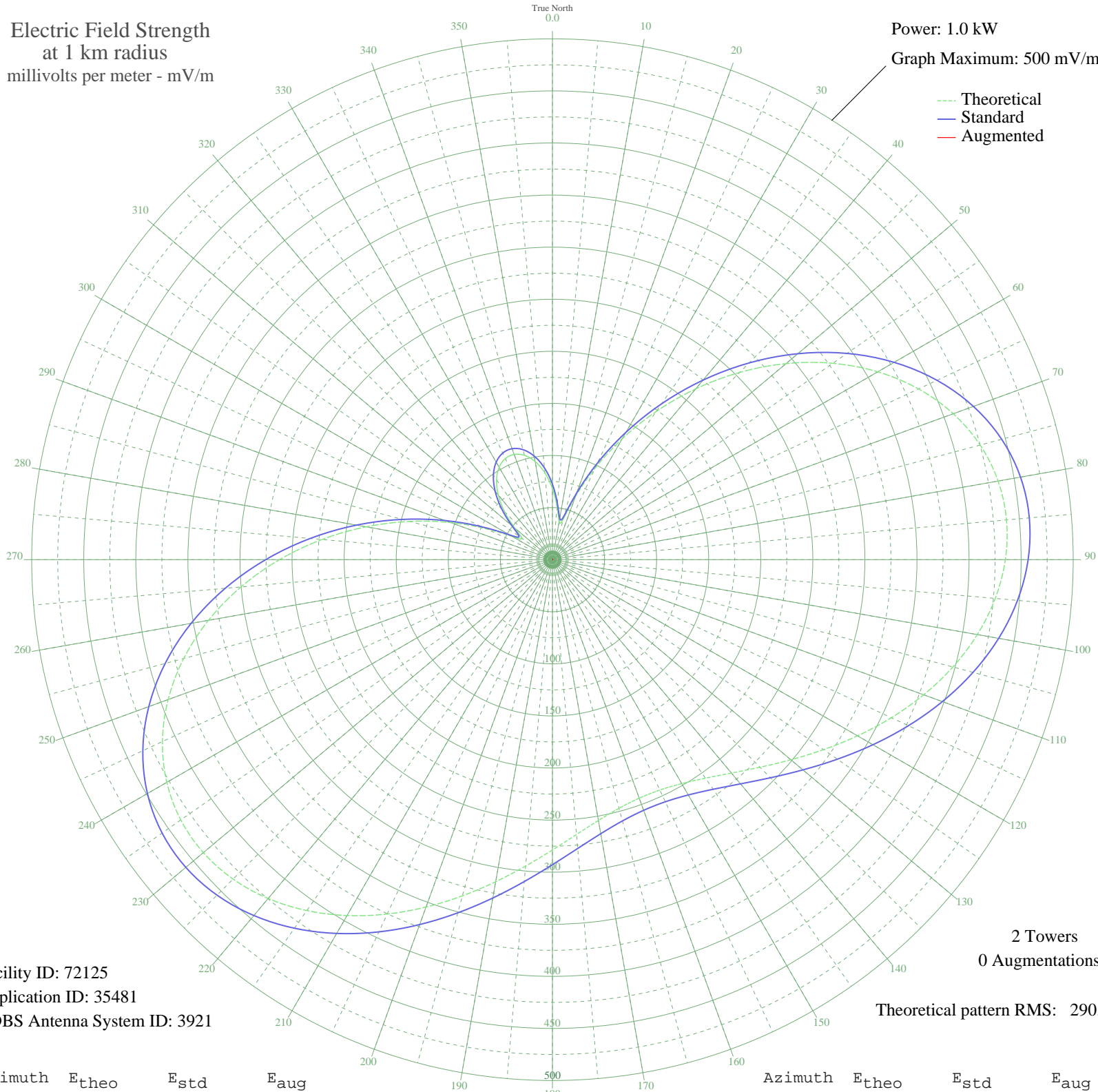
# WGRO LAKE CITY, FL BL-19811030AA 960 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 72125  
Application ID: 35481  
CDBS Antenna System ID: 3921

2 Towers  
0 Augmentations

Theoretical pattern RMS: 290.84

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	68.21	72.38	
5	50.80	54.36	
10	36.93	40.17	
15	40.66	43.97	
20	64.22	68.24	
25	96.97	102.36	
30	134.10	141.20	
35	173.60	182.58	
40	214.04	224.99	
45	254.18	267.09	
50	292.77	307.59	
55	328.62	345.21	
60	360.64	378.82	
65	387.87	407.40	
70	409.54	430.15	
75	425.17	446.55	
80	434.51	456.35	
85	437.62	459.63	
90	434.86	456.72	
95	426.79	448.25	
100	414.21	435.04	
105	398.04	418.07	
110	379.29	398.40	
115	359.02	377.12	
120	338.24	355.31	
125	317.89	333.95	
130	298.83	313.95	
135	281.80	296.07	
140	267.39	280.95	
145	256.08	269.08	
150	248.22	260.84	
155	244.04	256.45	
160	243.65	256.05	
165	247.08	259.65	
170	254.22	267.14	
175	264.86	278.30	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	278.69	292.81	
185	295.24	310.18	
190	313.95	329.82	
195	334.11	350.97	
200	354.88	372.77	
205	375.33	394.24	
210	394.46	414.32	
215	411.23	431.92	
220	424.61	445.96	
225	433.65	455.45	
230	437.53	459.52	
235	435.62	457.52	
240	427.54	449.04	
245	413.16	433.95	
250	392.67	412.43	
255	366.50	384.97	
260	335.37	352.29	
265	300.19	315.38	
270	262.06	275.36	
275	222.14	233.48	
280	181.65	191.02	
285	141.86	149.33	
290	104.13	109.84	
295	70.26	74.52	
300	44.18	47.56	
305	35.77	39.00	
310	47.42	50.89	
315	64.80	68.84	
320	80.83	85.52	
325	93.57	98.81	
330	102.40	108.03	
335	107.06	112.91	
340	107.49	113.35	
345	103.67	109.36	
350	95.66	100.99	
355	83.67	88.48	

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