

# ZYJ-678 PORTO VELHO, - Brazil -- 800 kHz

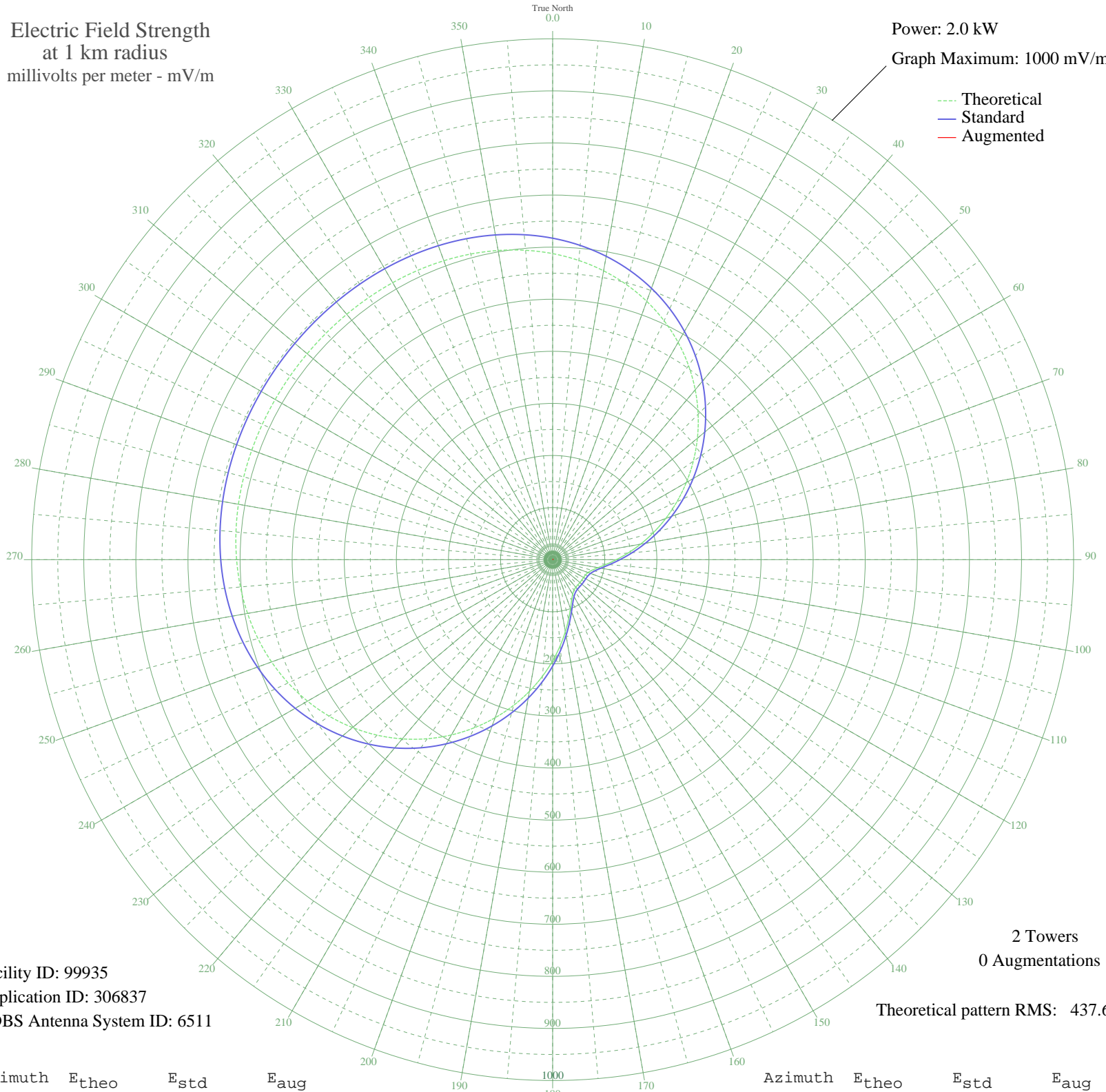
Nighttime

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

Power: 2.0 kW

Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99935  
Application ID: 306837  
CDBS Antenna System ID: 6511

2 Towers  
0 Augmentations

Theoretical pattern RMS: 437.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	587.62	617.18	
5	576.65	605.67	
10	563.13	591.47	
15	546.89	574.43	
20	527.88	554.47	
25	506.11	531.62	
30	481.68	505.98	
35	454.79	477.76	
40	425.74	447.28	
45	394.90	414.91	
50	362.71	381.13	
55	329.66	346.47	
60	296.30	311.47	
65	263.20	276.76	
70	230.93	242.93	
75	200.10	210.62	
80	171.29	180.47	
85	145.12	153.10	
90	122.20	129.17	
95	103.14	109.31	
100	88.43	94.03	
105	78.26	83.51	
110	72.27	77.32	
115	69.44	74.41	
120	68.50	73.44	
125	68.34	73.28	
130	68.34	73.28	
135	68.44	73.38	
140	69.14	74.10	
145	71.49	76.52	
150	76.75	81.95	
155	86.03	91.55	
160	99.84	105.87	
165	118.06	124.85	
170	140.26	148.01	
175	165.82	174.75	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	194.15	204.40	
185	224.63	236.33	
190	256.66	269.90	
195	289.64	304.49	
200	323.00	339.47	
205	356.15	374.25	
210	388.56	408.25	
215	419.71	440.94	
220	449.14	471.83	
225	476.49	500.53	
230	501.43	526.71	
235	523.75	550.13	
240	543.32	570.67	
245	560.10	588.29	
250	574.16	603.05	
255	585.62	615.08	
260	594.68	624.59	
265	601.60	631.86	
270	606.67	637.18	
275	610.21	640.89	
280	612.51	643.31	
285	613.89	644.76	
290	614.63	645.53	
295	614.95	645.87	
300	615.06	645.98	
305	615.07	646.00	
310	615.07	646.00	
315	615.06	645.99	
320	614.99	645.91	
325	614.72	645.62	
330	614.08	644.96	
335	612.85	643.66	
340	610.75	641.46	
345	607.49	638.04	
350	602.76	633.07	
355	596.23	626.22	

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