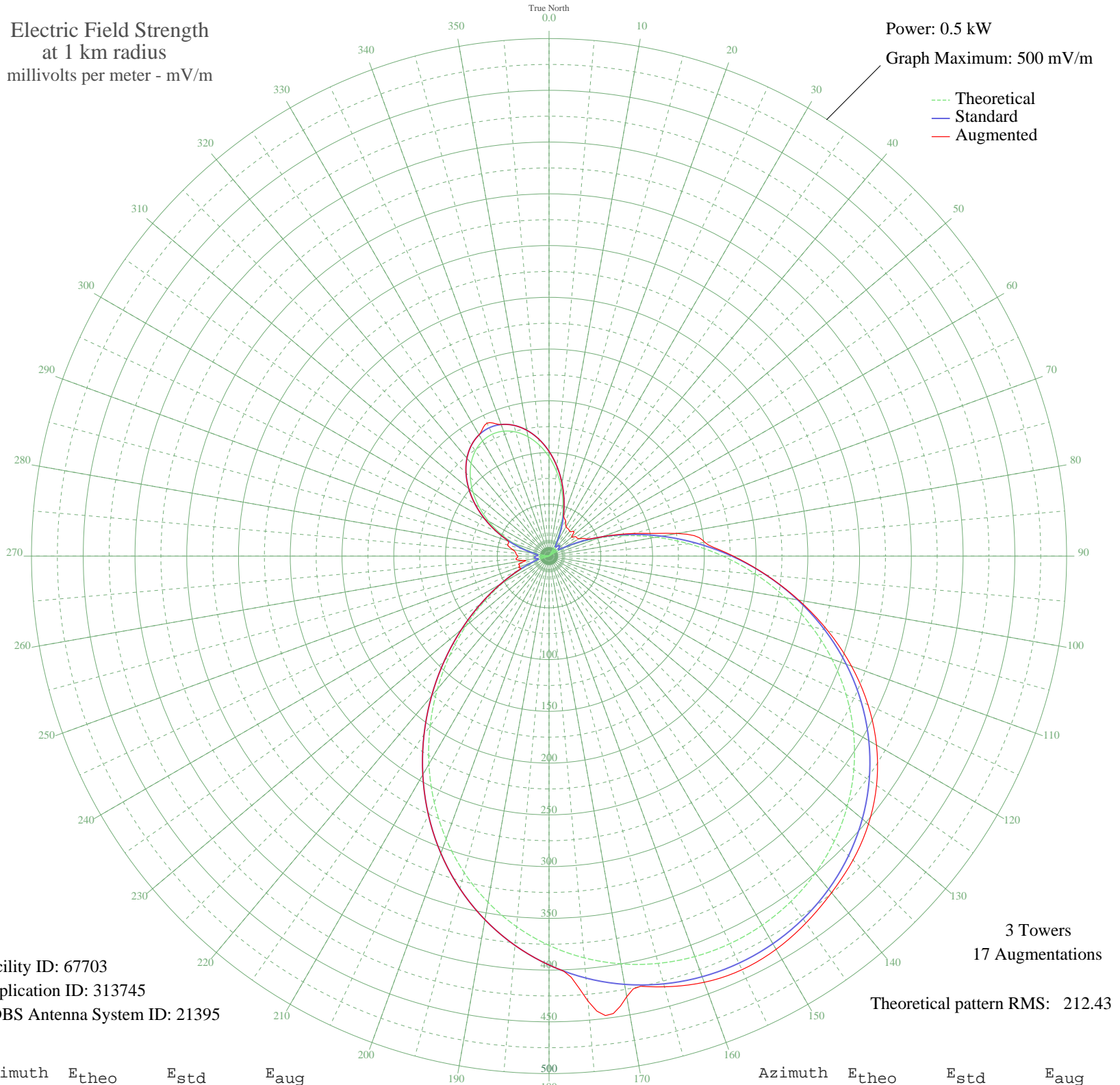


# WCED DU BOIS, PA BL-- 1420 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 67703  
Application ID: 313745  
CDBS Antenna System ID: 21395

3 Towers  
17 Augmentations  
Theoretical pattern RMS: 212.43

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	95.85	101.19	101.19
5	82.35	87.10	87.10
10	67.59	71.75	71.75
15	52.22	55.83	55.83
20	36.95	40.19	41.50
25	22.58	25.93	37.84
30	9.95	14.82	32.84
35	0.08	10.50	32.19
40	6.71	12.65	31.07
45	9.26	14.31	33.80
50	7.17	12.92	28.46
55	0.11	10.50	32.19
60	12.03	16.42	33.46
65	29.09	32.30	39.40
70	50.70	54.26	54.44
75	76.22	80.72	84.37
80	104.88	110.63	125.79
85	135.76	142.93	151.16
90	167.88	176.59	178.04
95	200.29	210.56	210.82
100	232.09	243.92	244.97
105	262.49	275.81	278.82
110	290.84	305.56	310.93
115	316.66	332.66	340.04
120	339.59	356.73	365.29
125	359.45	377.57	386.24
130	376.14	395.09	402.83
135	389.66	409.27	415.30
140	400.05	420.19	424.59
145	407.40	427.90	432.74
150	411.77	432.49	438.73
155	413.23	434.01	440.96
160	411.77	432.49	438.22
165	407.40	427.90	430.82
170	400.05	420.19	432.28
175	389.66	409.27	431.58

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	376.14	395.09	395.09
185	359.45	377.57	377.57
190	339.59	356.73	356.73
195	316.66	332.66	332.66
200	290.84	305.56	305.56
205	262.49	275.81	275.81
210	232.09	243.92	243.92
215	200.29	210.56	210.56
220	167.88	176.59	176.59
225	135.76	142.93	142.93
230	104.88	110.63	110.63
235	76.22	80.72	80.72
240	50.70	54.26	54.26
245	29.09	32.30	32.30
250	12.03	16.42	30.95
255	0.11	10.50	30.45
260	7.17	12.92	24.14
265	9.26	14.31	32.19
270	6.71	12.65	30.20
275	0.08	10.50	32.19
280	9.95	14.82	35.70
285	22.58	25.93	41.42
290	36.95	40.19	41.98
295	52.22	55.83	55.83
300	67.59	71.75	71.75
305	82.35	87.10	87.10
310	95.85	101.19	101.19
315	107.57	113.44	113.44
320	117.10	123.40	123.40
325	124.12	130.75	130.75
330	128.42	135.25	135.25
335	129.87	136.77	141.65
340	128.42	135.25	135.25
345	124.12	130.75	130.75
350	117.10	123.40	123.40
355	107.57	113.44	113.44