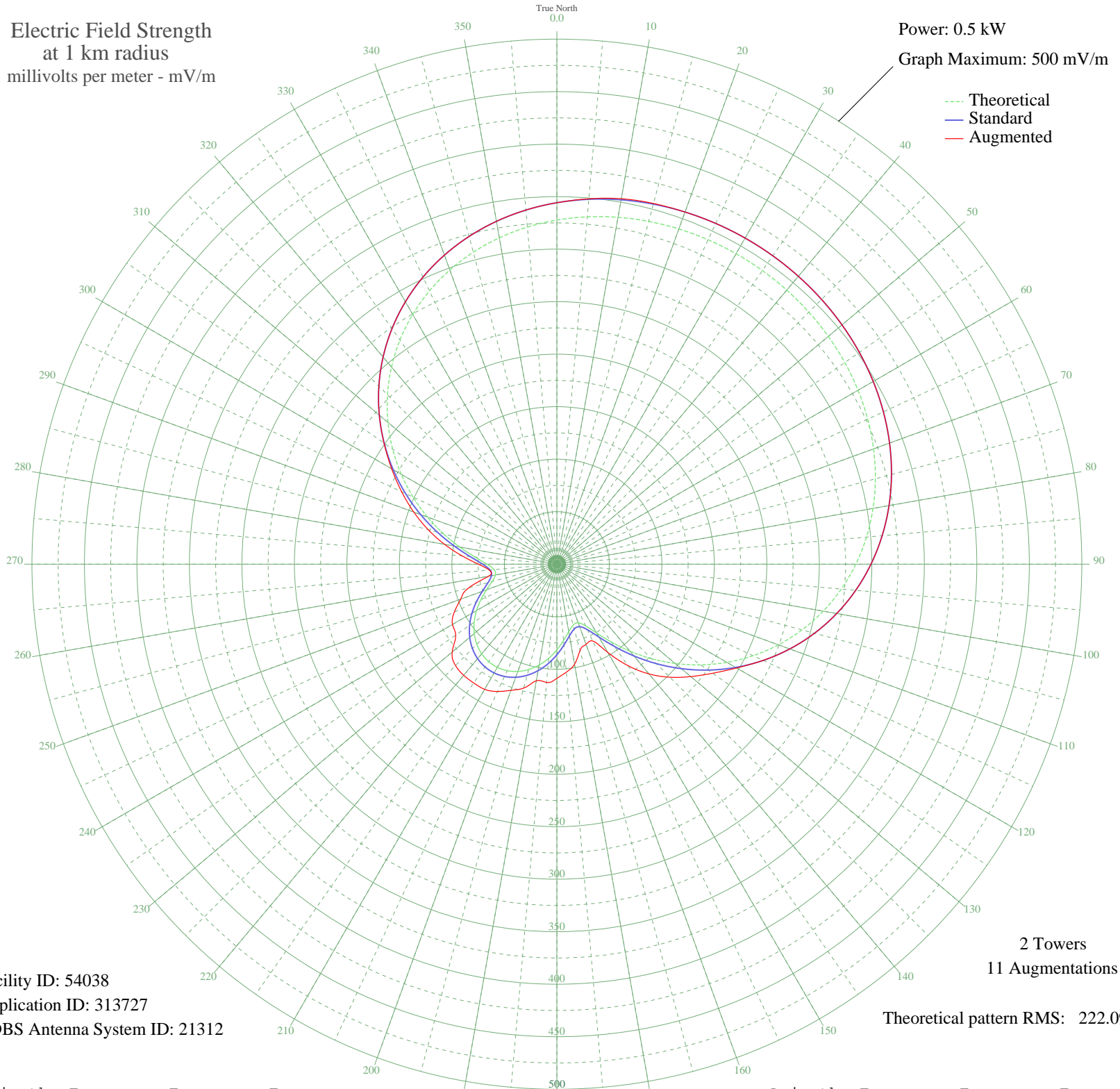


# WDJA DELRAY BEACH, FL BL-- 1420 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 54038  
Application ID: 313727  
CDBS Antenna System ID: 21312

2 Towers  
11 Augmentations  
Theoretical pattern RMS: 222.09

Azimuth	Etheo	Estd	Eaug
0	327.68	344.22	344.22
5	332.03	348.78	349.27
10	335.40	352.33	353.36
15	337.93	354.99	355.61
20	339.72	356.86	356.88
25	340.84	358.04	358.04
30	341.36	358.58	358.58
35	341.30	358.52	358.52
40	340.67	357.86	357.86
45	339.42	356.54	356.54
50	337.49	354.52	354.52
55	334.80	351.70	351.70
60	331.24	347.96	347.96
65	326.68	343.18	343.18
70	321.00	337.22	337.22
75	314.08	329.95	329.95
80	305.79	321.25	321.25
85	296.04	311.02	311.02
90	284.76	299.19	299.19
95	271.94	285.73	285.73
100	257.58	270.67	270.67
105	241.76	254.06	254.06
110	224.60	236.06	236.06
115	206.27	216.84	216.84
120	187.03	196.66	197.70
125	167.17	175.84	181.11
130	147.06	154.77	166.52
135	127.17	133.94	152.27
140	108.07	113.96	136.45
145	90.53	95.64	117.93
150	75.63	80.11	97.15
155	64.79	68.83	80.64
160	59.43	63.28	81.26
165	59.99	63.86	85.15
170	65.17	69.23	96.82
175	72.93	77.29	103.24

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	Etheo	Estd	Eaug
180	81.56	86.28	108.75
185	89.98	95.06	113.03
190	97.54	102.95	112.72
195	103.84	109.54	122.19
200	108.67	114.59	127.88
205	111.90	117.96	133.77
210	113.44	119.57	137.65
215	113.27	119.39	138.11
220	111.39	117.43	138.13
225	107.83	113.71	136.53
230	102.69	108.34	130.16
235	96.12	101.47	117.62
240	88.35	93.36	114.86
245	79.83	84.47	107.76
250	71.26	75.56	97.57
255	63.86	67.87	86.95
260	59.45	63.29	66.04
265	60.02	63.89	64.60
270	66.56	70.67	74.78
275	78.34	82.92	90.61
280	93.87	99.12	108.60
285	111.79	117.85	126.91
290	131.10	138.06	145.01
295	151.08	158.98	163.12
300	171.17	180.04	181.69
305	190.94	200.76	200.99
310	210.02	220.77	220.77
315	228.13	239.76	239.76
320	245.04	257.50	257.50
325	260.57	273.80	273.80
330	274.63	288.55	288.55
335	287.14	301.68	301.68
340	298.11	313.19	313.19
345	307.56	323.11	323.11
350	315.57	331.51	331.51
355	322.24	338.51	338.51