

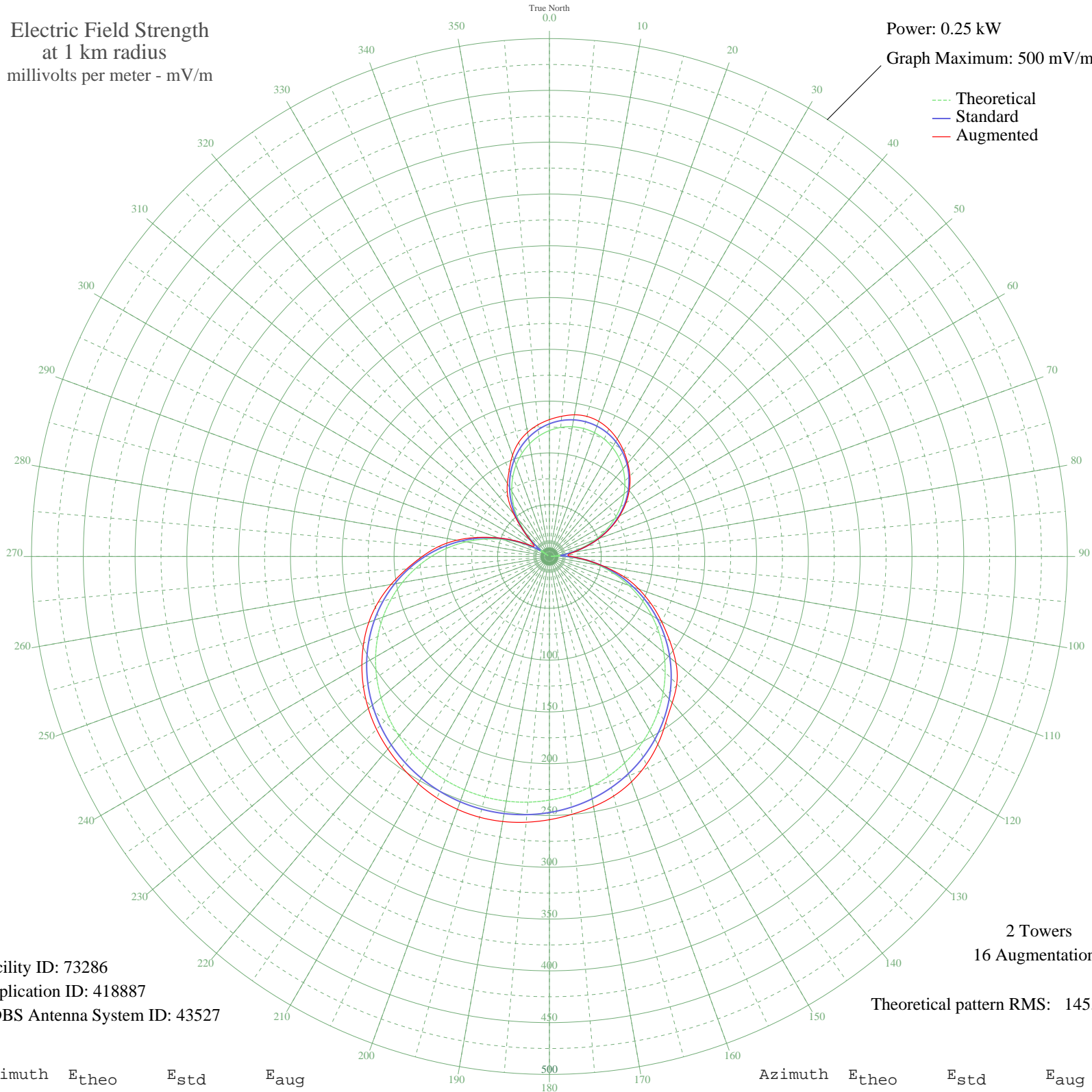
WRGC SYLVA, NC BL-19800221AD 680 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m

--- Theoretical
--- Standard
--- Augmented



Facility ID: 73286
Application ID: 418887
CDBS Antenna System ID: 43527

2 Towers
16 Augmentations
Theoretical pattern RMS: 145.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	121.59	128.10	132.15
5	125.08	131.75	135.91
10	127.18	133.95	138.90
15	127.88	134.68	140.01
20	127.18	133.95	138.90
25	125.08	131.75	135.73
30	121.59	128.10	130.89
35	116.72	123.01	124.74
40	110.50	116.49	117.67
45	102.94	108.59	109.89
50	94.09	99.35	100.79
55	83.99	88.81	90.19
60	72.71	77.06	78.17
65	60.32	64.20	64.88
70	46.91	50.36	50.58
75	32.59	35.79	35.73
80	17.47	21.14	23.46
85	1.70	10.65	18.02
90	14.58	18.57	21.22
95	31.22	34.43	34.43
100	48.06	51.54	52.28
105	64.93	68.98	73.73
110	81.65	86.38	91.78
115	98.09	103.53	108.43
120	114.08	120.24	124.72
125	129.47	136.35	141.75
130	144.16	151.73	159.40
135	158.01	166.25	173.86
140	170.95	179.80	184.40
145	182.88	192.31	195.80
150	193.76	203.72	209.32
155	203.53	213.97	221.42
160	212.17	223.03	231.52
165	219.67	230.89	239.42
170	226.00	237.53	245.15
175	231.17	242.95	249.88

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	235.18	247.17	254.10
185	238.05	250.17	257.52
190	239.76	251.97	259.79
195	240.33	252.57	260.58
200	239.76	251.97	259.71
205	238.05	250.17	257.19
210	235.18	247.17	253.28
215	231.17	242.95	248.30
220	226.00	237.53	242.57
225	219.67	230.89	236.02
230	212.17	223.03	228.23
235	203.53	213.97	219.21
240	193.76	203.72	209.06
245	182.88	192.31	197.86
250	170.95	179.80	185.53
255	158.01	166.24	171.27
260	144.16	151.73	155.25
265	129.47	136.35	138.42
270	114.08	120.24	122.84
275	98.09	103.53	107.82
280	81.65	86.38	90.67
285	64.92	68.98	71.23
290	48.06	51.54	52.30
295	31.22	34.43	35.23
300	14.58	18.57	21.57
305	1.70	10.65	18.02
310	17.47	21.14	23.51
315	32.59	35.79	35.79
320	46.91	50.36	53.56
325	60.32	64.20	69.86
330	72.71	77.06	81.23
335	83.99	88.81	91.90
340	94.09	99.35	104.05
345	102.94	108.59	114.19
350	110.50	116.49	121.76
355	116.72	123.01	127.58