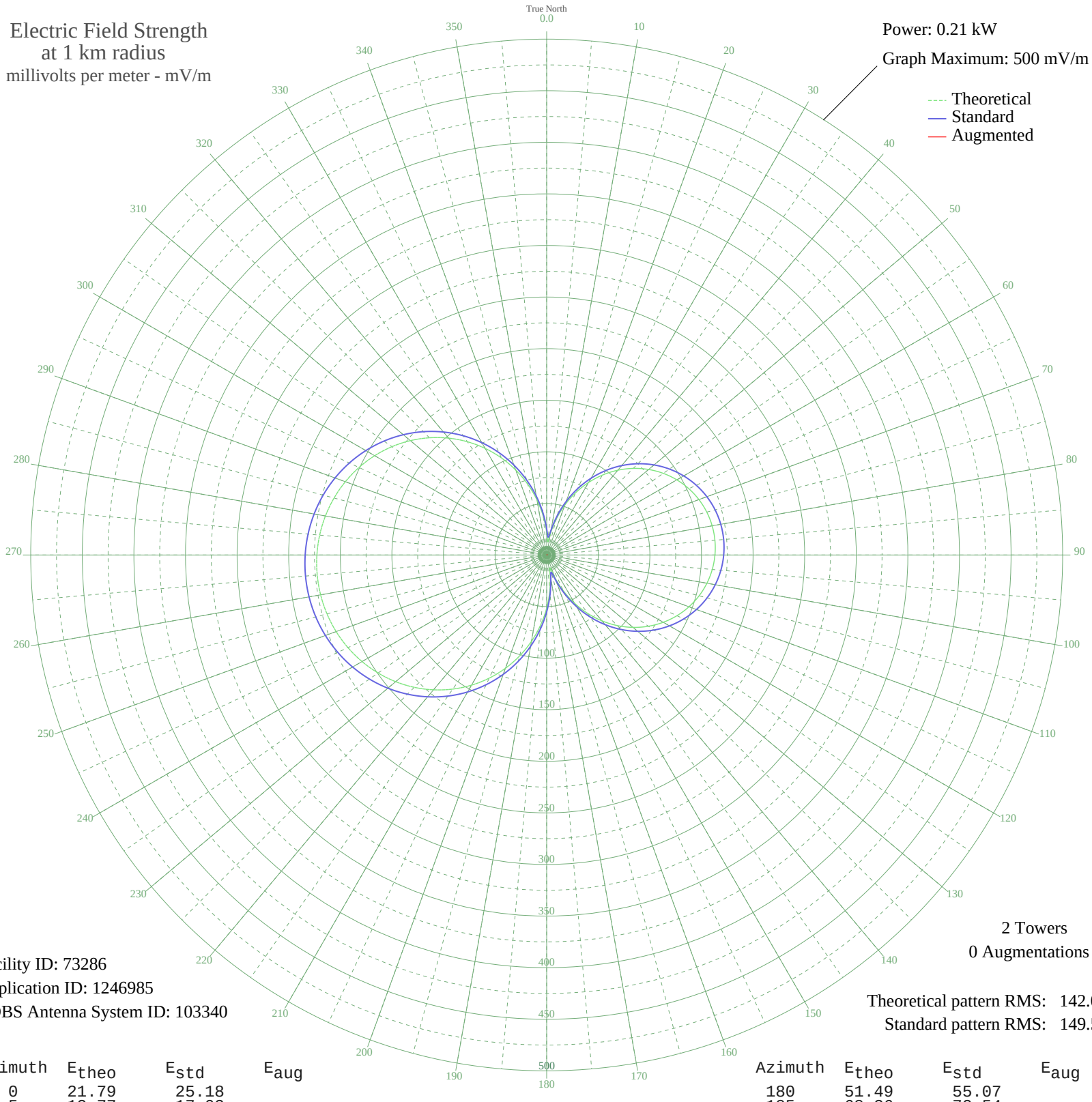
WRGC SYLVA, NC BMJP-20051031AFM 540 kHz

Nighttime

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



Power: 0.21 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 73286
Application ID: 1246985
CDBS Antenna System ID: 103340

Theoretical pattern RMS: 142.07
Standard pattern RMS: 149.54

Azimuth	E_{theo}	E_{std}	E_{aug}	Azimuth	E_{theo}	E_{std}	E_{aug}
0	21.79	25.18		180	51.49	55.07	
5	12.77	17.03		185	68.36	72.54	
10	21.23	24.64		190	85.02	89.89	
15	36.08	39.31		195	101.24	106.82	
20	51.56	55.15		200	116.86	123.15	
25	66.69	70.80		205	131.71	138.69	
30	81.13	85.83		210	145.69	153.33	
35	94.69	99.98		215	158.68	166.95	
40	107.24	113.10		220	170.62	179.46	
45	118.69	125.07		225	181.42	190.78	
50	128.94	135.80		230	191.04	200.87	
55	137.95	145.22		235	199.44	209.68	
60	145.65	153.29		240	206.60	217.18	
65	152.01	159.95		245	212.48	223.35	
70	157.00	165.19		250	217.09	228.19	
75	160.62	168.98		255	220.42	231.68	
80	162.84	171.30		260	222.45	233.81	
85	163.65	172.15		265	223.20	234.60	
90	163.06	171.54		270	222.66	234.03	
95	161.07	169.45		275	220.83	232.11	
100	157.68	165.89		280	217.71	228.84	
105	152.90	160.89		285	213.31	224.22	
110	146.75	154.45		290	207.62	218.26	
115	139.27	146.61		295	200.67	210.97	
120	130.47	137.40		300	192.47	202.36	
125	120.41	126.87		305	183.04	192.48	
130	109.15	115.09		310	172.42	181.35	
135	96.77	102.15		315	160.67	169.03	
140	83.36	88.15		320	147.83	155.58	
145	69.05	73.26		325	134.01	141.10	
150	54.01	57.68		330	119.29	125.69	
155	38.55	41.82		335	103.79	109.48	
160	23.46	26.78		340	87.65	92.63	
165	13.02	17.23		345	71.04	75.33	
170	19.59	23.10		350	54.19	57.86	
175	34.82	38.04		355	37.44	40.69	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission