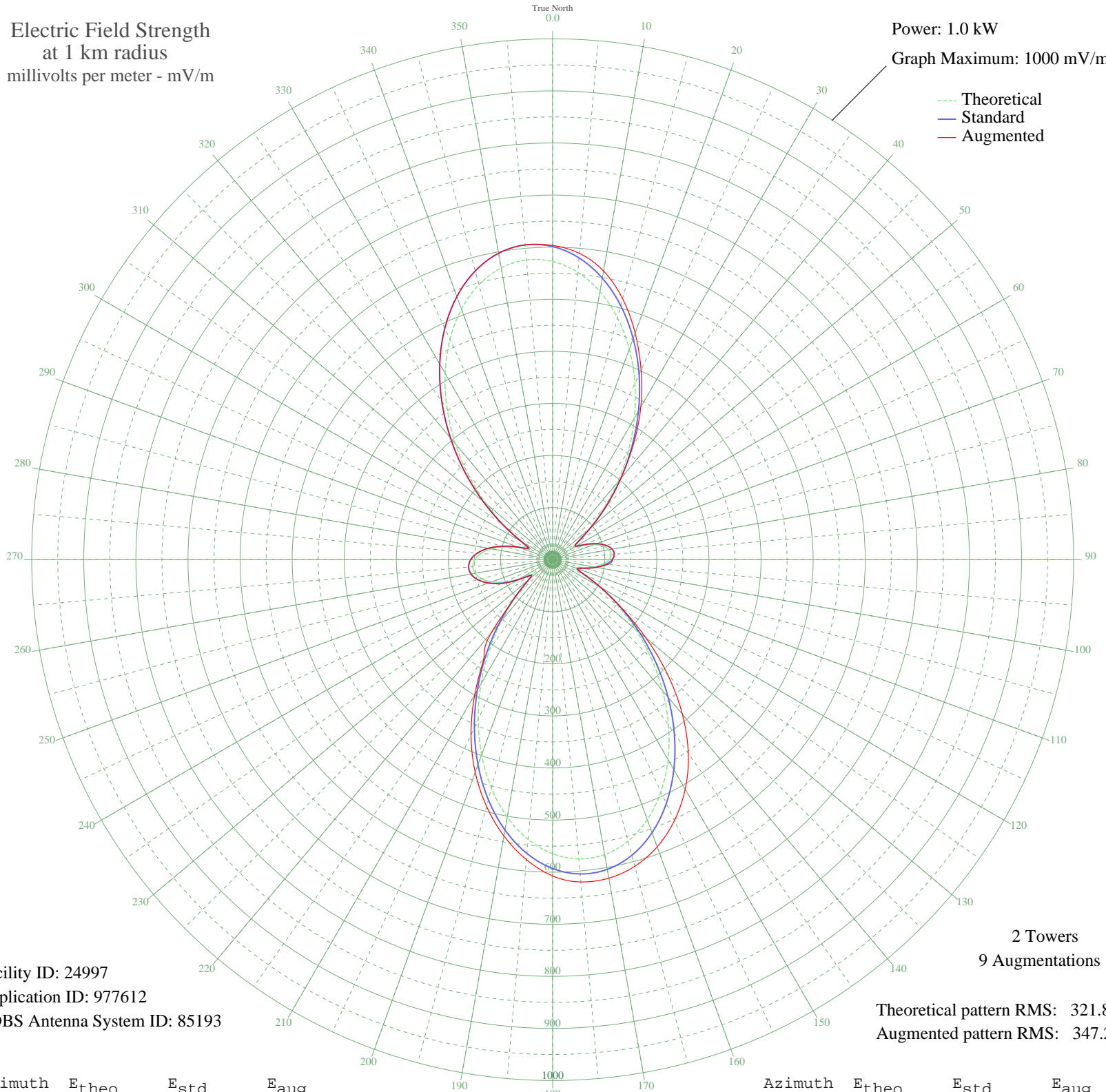


WJST NEW CASTLE, PA BML-20040121AEG 1280 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 24997
Application ID: 977612
CDBS Antenna System ID: 85193

2 Towers
9 Augmentations

Theoretical pattern RMS: 321.87
Augmented pattern RMS: 347.20

Azimuth	Etheo	Estd	Eaug
0	572.49	601.21	603.37
5	553.81	581.60	590.35
10	522.64	548.88	562.83
15	480.72	504.87	518.82
20	430.23	451.87	462.95
25	373.65	392.48	401.69
30	313.61	329.47	338.49
35	252.70	265.55	270.20
40	193.39	203.34	203.54
45	138.16	145.46	145.46
50	90.06	95.17	95.17
55	55.43	59.19	59.19
60	48.12	51.66	51.66
65	64.60	68.68	68.68
70	84.62	89.50	89.50
75	100.42	105.99	105.99
80	109.95	115.95	115.95
85	112.62	118.73	118.73
90	108.28	114.20	115.04
95	97.16	102.58	106.11
100	80.06	84.75	84.75
105	59.77	63.67	63.67
110	46.88	50.39	50.39
115	61.86	65.84	65.84
120	100.72	106.30	106.30
125	150.90	158.81	160.75
130	207.35	217.98	233.89
135	267.26	280.83	312.46
140	328.20	344.78	387.45
145	387.64	407.17	453.89
150	443.00	465.27	508.91
155	491.65	516.35	552.93
160	531.18	557.84	586.69
165	559.48	587.55	609.46
170	574.99	603.83	620.96
175	576.77	605.71	621.21

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	564.67	593.00	607.33
185	539.25	566.31	578.19
190	501.81	527.01	538.62
195	454.24	477.07	490.36
200	398.86	418.94	434.52
205	338.25	355.32	370.54
210	275.09	289.04	298.91
215	212.03	222.89	230.13
220	151.75	159.70	183.70
225	97.54	102.98	102.98
230	56.67	60.47	60.47
235	49.36	52.94	52.94
240	73.12	77.52	77.52
245	100.92	106.51	109.64
250	124.26	130.92	130.92
255	141.19	148.64	148.64
260	151.11	159.03	159.03
265	153.86	161.91	161.91
270	149.38	157.22	157.22
275	137.75	145.04	145.04
280	119.21	125.63	125.63
285	94.52	99.82	99.82
290	66.40	70.55	70.55
295	47.09	50.60	51.26
300	64.44	68.51	69.43
305	109.75	115.74	115.74
310	165.81	174.43	174.43
315	227.01	238.61	238.61
320	290.34	305.04	305.04
325	353.13	370.94	370.94
330	412.73	433.49	433.49
335	466.46	489.90	489.90
340	511.80	537.50	537.50
345	546.50	573.93	573.93
350	568.82	597.36	597.36
355	577.62	606.59	606.59