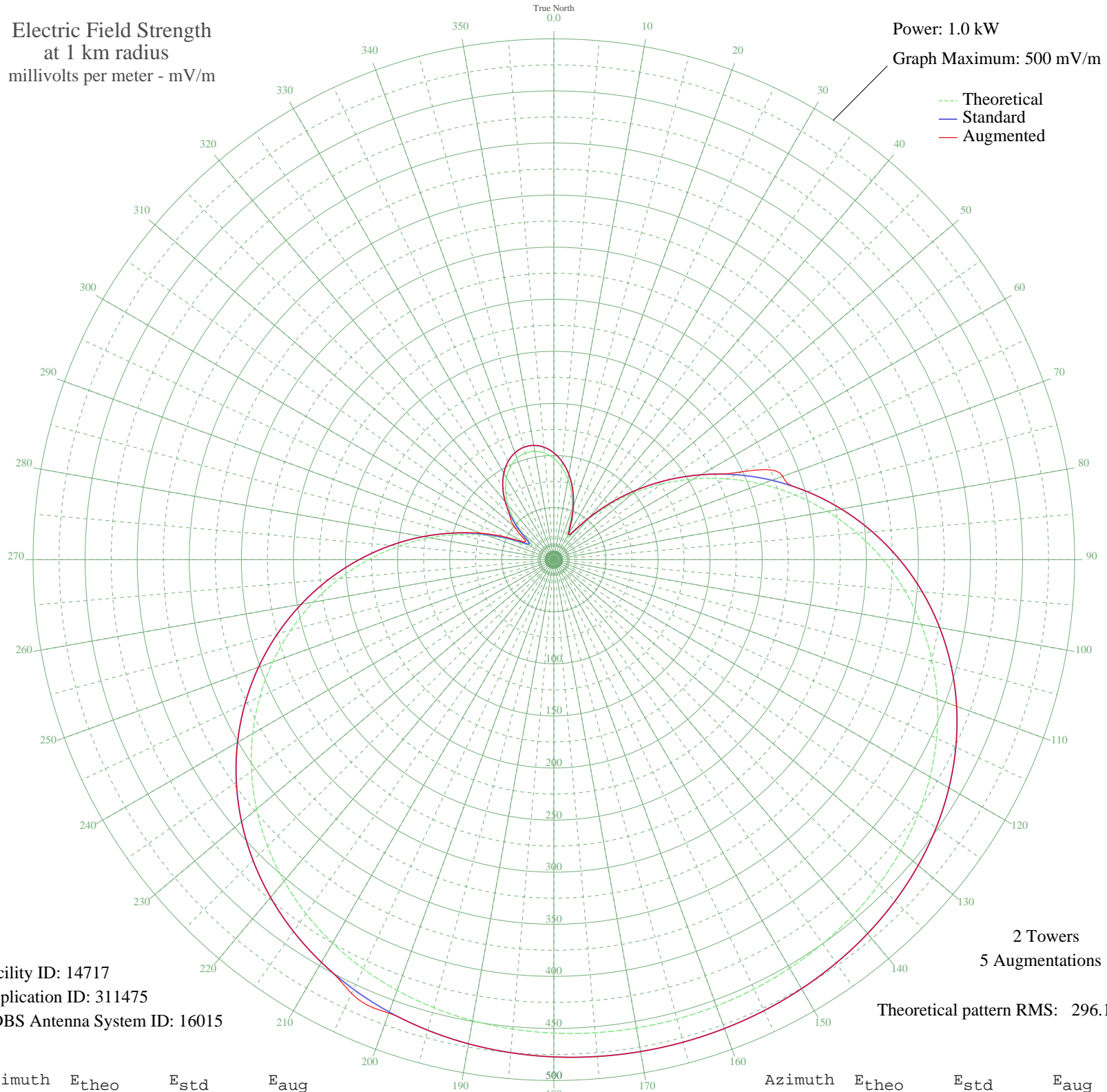


WCBC CUMBERLAND, MD BL-- 1270 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 500 mV/m



Facility ID: 14717
Application ID: 311475
CDBS Antenna System ID: 16015

2 Towers
5 Augmentations
Theoretical pattern RMS: 296.12

Azimuth	E _{theo}	E _{std}	E _{aug}
0	97.16	102.55	102.55
5	89.06	94.10	94.10
10	78.50	83.09	83.09
15	65.68	69.76	69.76
20	51.07	54.64	54.64
25	35.95	39.19	39.19
30	25.22	28.49	28.49
35	30.19	33.40	33.40
40	48.79	52.30	52.30
45	72.63	76.98	76.98
50	98.89	104.36	104.36
55	126.52	133.26	133.26
60	154.90	162.98	162.98
65	183.54	193.00	199.79
70	211.98	222.83	233.89
75	239.81	252.02	252.02
80	266.65	280.18	280.18
85	292.16	306.95	306.95
90	316.05	332.02	332.02
95	338.09	355.15	355.15
100	358.11	376.16	376.16
105	376.03	394.97	394.97
110	391.79	411.52	411.52
115	405.45	425.85	425.85
120	417.07	438.05	438.05
125	426.78	448.24	448.24
130	434.75	456.61	456.61
135	441.15	463.33	463.33
140	446.18	468.61	468.61
145	450.02	472.64	472.64
150	452.85	475.61	475.61
155	454.82	477.68	477.68
160	456.05	478.96	478.96
165	456.61	479.55	479.55
170	456.55	479.49	479.49
175	455.86	478.76	478.76

Azimuth	E _{theo}	E _{std}	E _{aug}
180	454.49	477.33	477.33
185	452.36	475.10	475.10
190	449.34	471.93	471.93
195	445.28	467.66	467.66
200	439.99	462.11	463.23
205	433.29	455.07	459.45
210	424.98	446.36	446.36
215	414.90	435.77	435.77
220	402.88	423.16	423.16
225	388.81	408.39	408.39
230	372.61	391.39	391.39
235	354.27	372.14	372.14
240	333.84	350.68	350.68
245	311.41	327.15	327.15
250	287.18	301.72	301.72
255	261.38	274.65	274.65
260	234.32	246.26	246.26
265	206.33	216.90	216.90
270	177.81	187.00	187.00
275	149.19	157.00	157.00
280	120.91	127.39	127.39
285	93.50	98.74	99.14
290	67.62	71.78	74.28
295	44.49	47.88	51.56
300	27.73	30.96	34.71
305	26.49	29.73	34.93
310	38.88	42.15	50.16
315	54.09	57.76	59.95
320	68.41	72.59	72.59
325	80.80	85.48	85.48
330	90.88	96.00	96.00
335	98.47	103.93	103.93
340	103.49	109.17	109.17
345	105.87	111.66	111.66
350	105.60	111.38	111.38
355	102.69	108.34	108.34

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