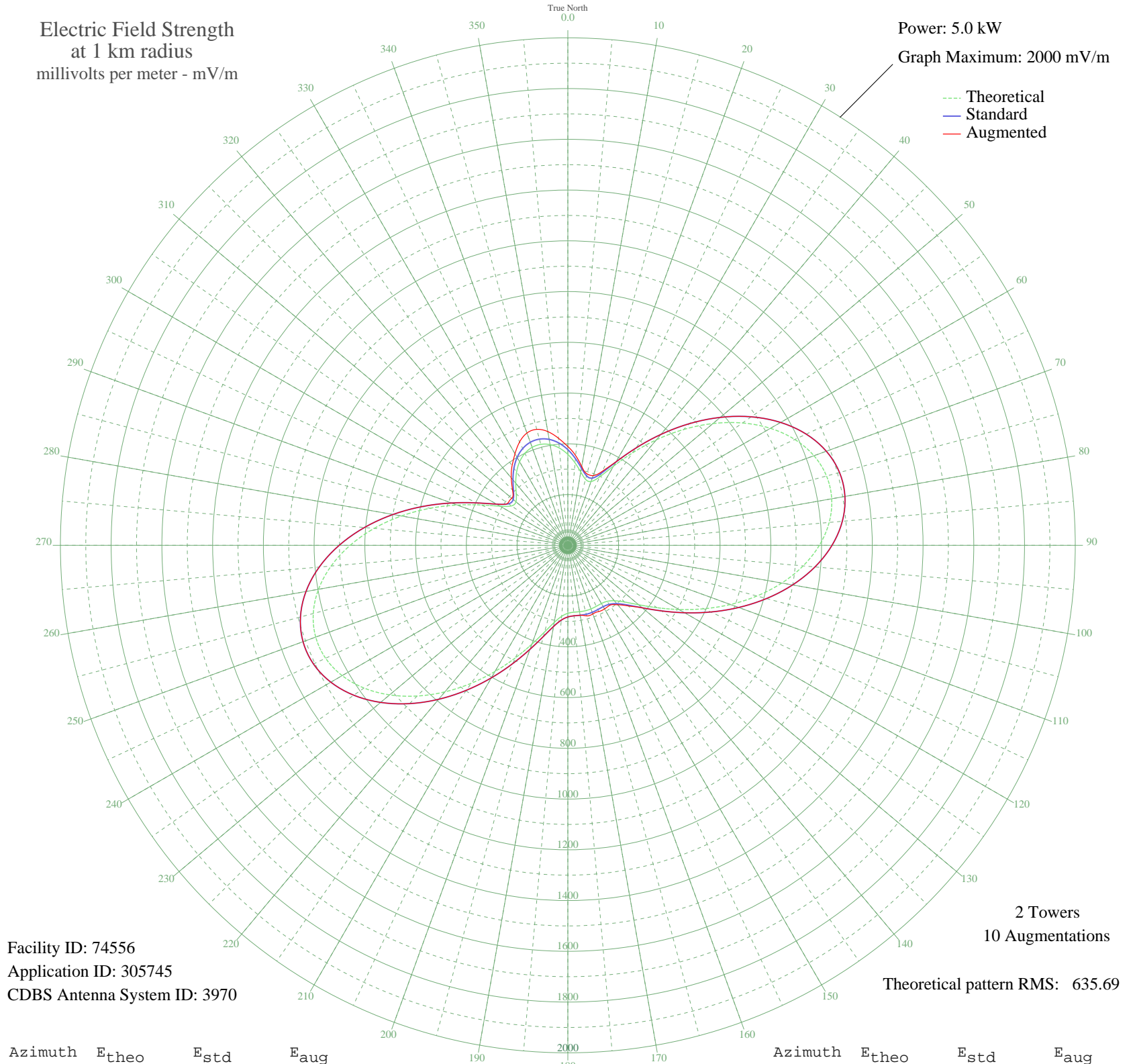


# WHYL CARLISLE, PA BL-- 960 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 74556  
Application ID: 305745  
CDBS Antenna System ID: 3970

Theoretical pattern RMS: 635.69

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	358.33	376.98	389.37
5	326.18	343.29	354.73
10	293.44	309.00	315.55
15	269.38	283.82	291.50
20	267.41	281.76	292.11
25	298.06	313.84	321.87
30	360.33	379.07	380.33
35	445.11	467.95	467.95
40	542.79	570.41	570.41
45	645.48	678.16	678.16
50	746.61	784.29	784.29
55	840.48	882.82	882.82
60	922.06	968.45	968.45
65	987.11	1036.73	1036.73
70	1032.34	1084.21	1084.21
75	1055.60	1108.62	1108.62
80	1056.02	1109.07	1109.07
85	1034.06	1086.02	1086.02
90	991.42	1041.26	1041.26
95	930.92	977.75	977.75
100	856.26	899.38	899.38
105	771.73	810.65	810.65
110	681.98	716.46	716.46
115	591.76	621.79	621.79
120	505.78	531.59	531.59
125	428.58	450.62	450.62
130	364.27	383.21	383.21
135	316.08	332.72	337.96
140	285.20	300.38	305.78
145	269.68	284.14	288.40
150	264.86	279.09	289.43
155	265.30	279.56	288.08
160	266.76	281.08	287.86
165	266.93	281.26	287.99
170	265.62	279.88	279.88
175	264.69	278.91	278.91

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	268.04	282.42	282.42
185	280.98	295.97	295.97
190	308.54	324.81	324.81
195	353.27	371.67	371.67
200	414.56	435.92	435.92
205	489.50	514.51	514.51
210	574.08	603.24	603.24
215	663.82	697.40	697.40
220	754.04	792.09	792.09
225	839.99	882.31	882.31
230	916.99	963.13	963.13
235	980.64	1029.94	1029.94
240	1027.11	1078.72	1078.72
245	1053.38	1106.30	1106.30
250	1057.51	1110.64	1110.64
255	1038.79	1090.98	1090.98
260	997.83	1047.98	1047.98
265	936.51	983.62	983.62
270	857.93	901.13	901.13
275	766.14	804.79	804.79
280	666.02	699.72	699.72
285	563.15	591.77	591.77
290	463.89	487.65	487.65
295	375.81	395.30	395.30
300	308.22	324.48	324.48
305	270.78	285.28	288.97
310	266.77	281.09	288.66
315	287.54	302.83	308.17
320	319.45	336.25	346.96
325	352.24	370.59	383.10
330	380.12	399.82	416.60
335	400.18	420.84	449.64
340	410.99	432.18	470.98
345	411.98	433.22	473.07
350	403.11	423.91	455.17
355	384.82	404.75	423.61

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission