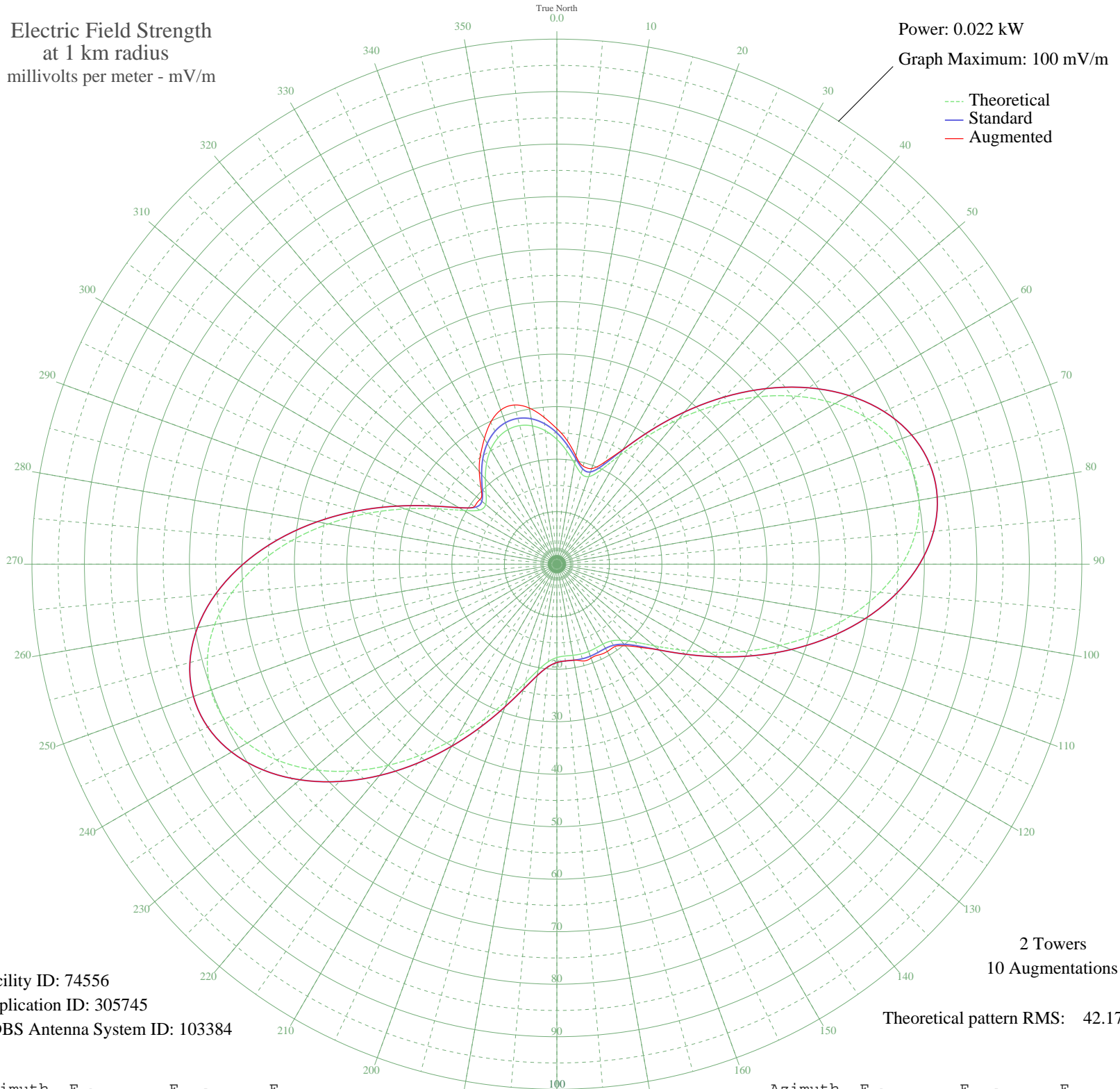


# WHYL CARLISLE, PA BL-- 960 kHz

Nighttime

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

Power: 0.022 kW  
Graph Maximum: 100 mV/m



Facility ID: 74556  
Application ID: 305745  
CDBS Antenna System ID: 103384

2 Towers  
10 Augmentations  
Theoretical pattern RMS: 42.17

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	23.77	25.01	25.81
5	21.64	22.77	23.51
10	19.47	20.50	20.92
15	17.87	18.83	19.32
20	17.74	18.69	19.37
25	19.77	20.82	21.40
30	23.90	25.15	25.24
35	29.53	31.04	31.04
40	36.01	37.84	37.84
45	42.82	44.99	44.99
50	49.53	52.03	52.03
55	55.76	58.56	58.56
60	61.17	64.24	64.24
65	65.48	68.77	68.77
70	68.48	71.92	71.92
75	70.03	73.54	73.54
80	70.05	73.57	73.57
85	68.60	72.04	72.04
90	65.77	69.07	69.07
95	61.75	64.86	64.86
100	56.80	59.66	59.66
105	51.19	53.78	53.78
110	45.24	47.53	47.53
115	39.26	41.25	41.25
120	33.55	35.26	35.26
125	28.43	29.89	29.89
130	24.16	25.42	25.42
135	20.97	22.07	22.40
140	18.92	19.93	20.30
145	17.89	18.85	19.17
150	17.57	18.51	19.20
155	17.60	18.55	19.06
160	17.70	18.65	19.05
165	17.71	18.66	19.09
170	17.62	18.57	18.57
175	17.56	18.50	18.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	17.78	18.73	18.73
185	18.64	19.63	19.63
190	20.47	21.55	21.55
195	23.43	24.66	24.66
200	27.50	28.92	28.92
205	32.47	34.13	34.13
210	38.08	40.02	40.02
215	44.04	46.26	46.26
220	50.02	52.55	52.55
225	55.72	58.53	58.53
230	60.83	63.89	63.89
235	65.05	68.32	68.32
240	68.14	71.56	71.56
245	69.88	73.39	73.39
250	70.15	73.68	73.68
255	68.91	72.37	72.37
260	66.19	69.52	69.52
265	62.13	65.25	65.25
270	56.91	59.78	59.78
275	50.82	53.39	53.39
280	44.18	46.42	46.42
285	37.36	39.26	39.26
290	30.77	32.35	32.35
295	24.93	26.22	26.22
300	20.45	21.53	21.53
305	17.96	18.93	19.16
310	17.70	18.65	19.14
315	19.07	20.09	20.43
320	21.19	22.31	23.00
325	23.37	24.58	25.39
330	25.22	26.52	27.62
335	26.55	27.92	29.82
340	27.26	28.67	31.25
345	27.33	28.74	31.39
350	26.74	28.12	30.19
355	25.53	26.85	28.09

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission