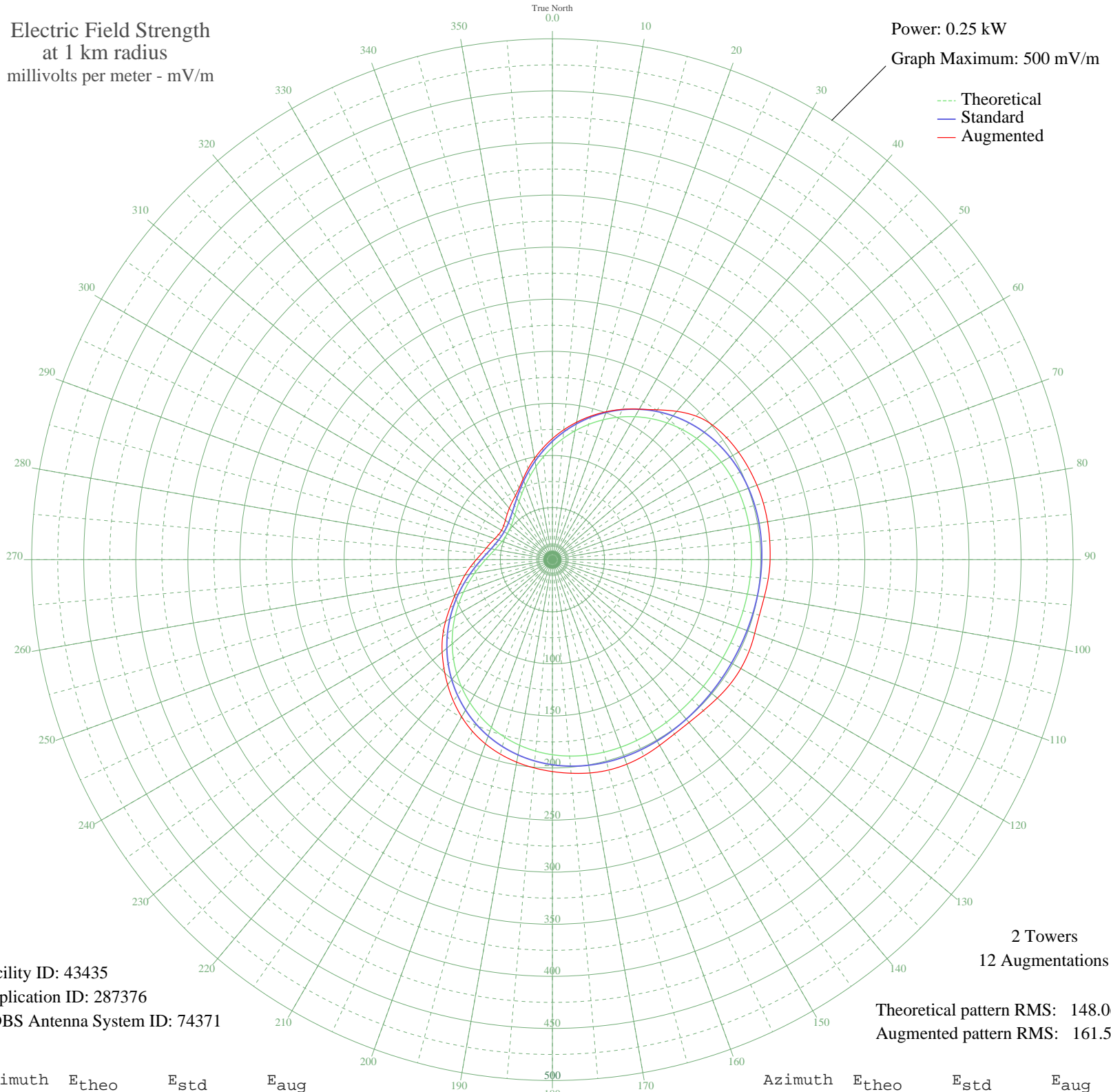


# WLTJ NEW CASTLE, IN BL-19990726DD 1550 kHz

Daytime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 43435  
Application ID: 287376  
CDBS Antenna System ID: 74371

2 Towers  
12 Augmentations

Theoretical pattern RMS: 148.06  
Augmented pattern RMS: 161.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	107.79	113.67	116.21
5	116.67	122.95	125.14
10	125.59	132.29	134.00
15	134.39	141.50	142.71
20	142.89	150.41	151.14
25	150.96	158.85	159.21
30	158.45	166.71	166.81
35	165.27	173.85	175.58
40	171.32	180.19	185.84
45	176.55	185.68	194.96
50	180.94	190.28	200.86
55	184.50	194.01	204.18
60	187.25	196.89	206.41
65	189.25	198.99	207.90
70	190.58	200.38	209.02
75	191.33	201.17	209.69
80	191.60	201.46	209.77
85	191.51	201.36	209.48
90	191.17	201.00	209.05
95	190.67	200.48	208.07
100	190.12	199.91	206.57
105	189.60	199.36	205.78
110	189.18	198.92	206.75
115	188.91	198.63	208.34
120	188.81	198.53	208.93
125	188.91	198.63	208.34
130	189.18	198.92	206.75
135	189.60	199.36	205.00
140	190.12	199.91	204.03
145	190.67	200.48	204.29
150	191.17	201.00	205.86
155	191.51	201.36	207.78
160	191.60	201.46	208.95
165	191.33	201.17	209.05
170	190.58	200.38	207.91
175	189.25	198.99	205.81

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	187.25	196.89	203.43
185	184.50	194.01	200.69
190	180.94	190.28	197.38
195	176.55	185.68	193.26
200	171.32	180.19	188.12
205	165.27	173.85	181.80
210	158.45	166.71	174.25
215	150.96	158.85	165.72
220	142.89	150.41	156.58
225	134.39	141.50	147.27
230	125.59	132.29	138.21
235	116.67	122.95	128.69
240	107.79	113.67	118.41
245	99.12	104.61	108.32
250	90.83	95.95	99.45
255	83.07	87.85	91.89
260	75.97	80.46	85.30
265	69.66	73.89	78.92
270	64.21	68.24	73.09
275	59.68	63.53	68.11
280	56.06	59.79	64.37
285	53.33	56.97	61.45
290	51.44	55.02	58.88
295	50.34	53.89	57.02
300	49.97	53.51	56.33
305	50.34	53.89	57.02
310	51.44	55.02	58.88
315	53.33	56.97	61.45
320	56.06	59.79	64.37
325	59.68	63.53	67.43
330	64.21	68.24	70.96
335	69.66	73.89	75.78
340	75.97	80.46	82.42
345	83.07	87.85	90.29
350	90.83	95.95	98.65
355	99.12	104.61	107.34