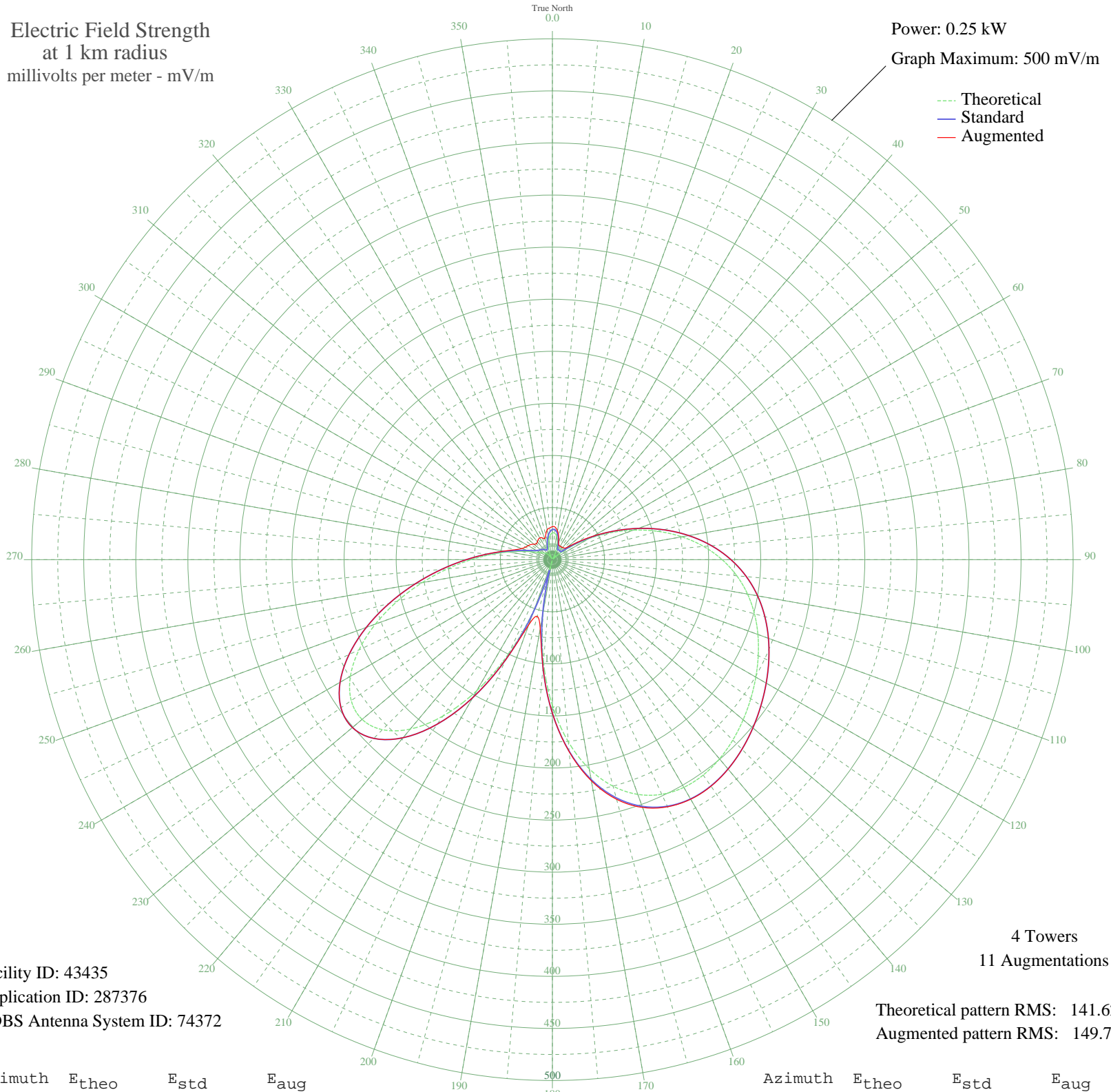


WLTJ NEW CASTLE, IN BL-19990726DD 1550 kHz

Nighttime

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: 74372

Theoretical pattern RMS: 141.62
Augmented pattern RMS: 149.78

Azimuth	E _{theo}	E _{std}	E _{aug}
0	25.71	28.96	31.69
5	25.52	28.78	31.25
10	22.92	26.26	28.11
15	18.17	21.77	23.06
20	11.93	16.34	17.18
25	5.28	11.87	15.01
30	1.11	10.56	14.97
35	4.28	11.42	14.75
40	4.35	11.45	15.41
45	1.13	10.57	15.77
50	9.26	14.31	18.43
55	22.90	26.24	28.64
60	40.48	43.78	44.83
65	60.89	64.79	64.87
70	82.84	87.61	87.61
75	105.02	110.77	110.77
80	126.28	133.01	133.01
85	145.77	153.42	153.42
90	162.99	171.46	171.46
95	177.78	186.97	186.97
100	190.30	200.09	200.09
105	200.88	211.19	211.19
110	210.00	220.75	220.75
115	218.10	229.24	229.24
120	225.54	237.05	237.05
125	232.55	244.40	244.40
130	239.10	251.28	251.28
135	244.97	257.43	257.43
140	249.65	262.34	262.42
145	252.43	265.26	265.49
150	252.41	265.24	265.55
155	248.55	261.19	261.77
160	239.80	252.01	253.16
165	225.18	236.67	238.18
170	203.89	214.34	215.60
175	175.52	184.59	185.08

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 _{theo}	E _{std}	E _{aug}
180	140.10	147.48	147.48
185	98.26	103.70	103.70
190	51.22	54.80	67.34
195	0.87	10.54	56.33
200	50.48	54.03	66.71
205	100.10	105.63	105.63
210	145.23	152.85	152.85
215	183.31	192.77	192.77
220	212.30	223.16	223.16
225	230.86	242.63	242.63
230	238.55	250.69	250.69
235	235.83	247.84	247.84
240	223.98	235.42	235.42
245	204.90	215.41	215.41
250	180.85	190.18	190.18
255	154.16	162.21	162.21
260	127.01	133.77	133.77
265	101.21	106.79	106.79
270	78.10	82.67	82.67
275	58.50	62.32	62.54
280	42.78	46.13	47.25
285	30.88	34.08	37.00
290	22.41	25.77	31.24
295	16.81	20.53	28.45
300	13.35	17.52	26.88
305	11.31	15.85	25.28
310	9.95	14.81	23.05
315	8.64	13.88	21.66
320	6.85	12.73	22.39
325	4.26	11.41	23.67
330	1.11	10.57	24.14
335	4.20	11.39	23.06
340	9.39	14.40	21.51
345	14.81	18.76	24.66
350	19.80	23.29	28.97
355	23.65	26.96	30.54