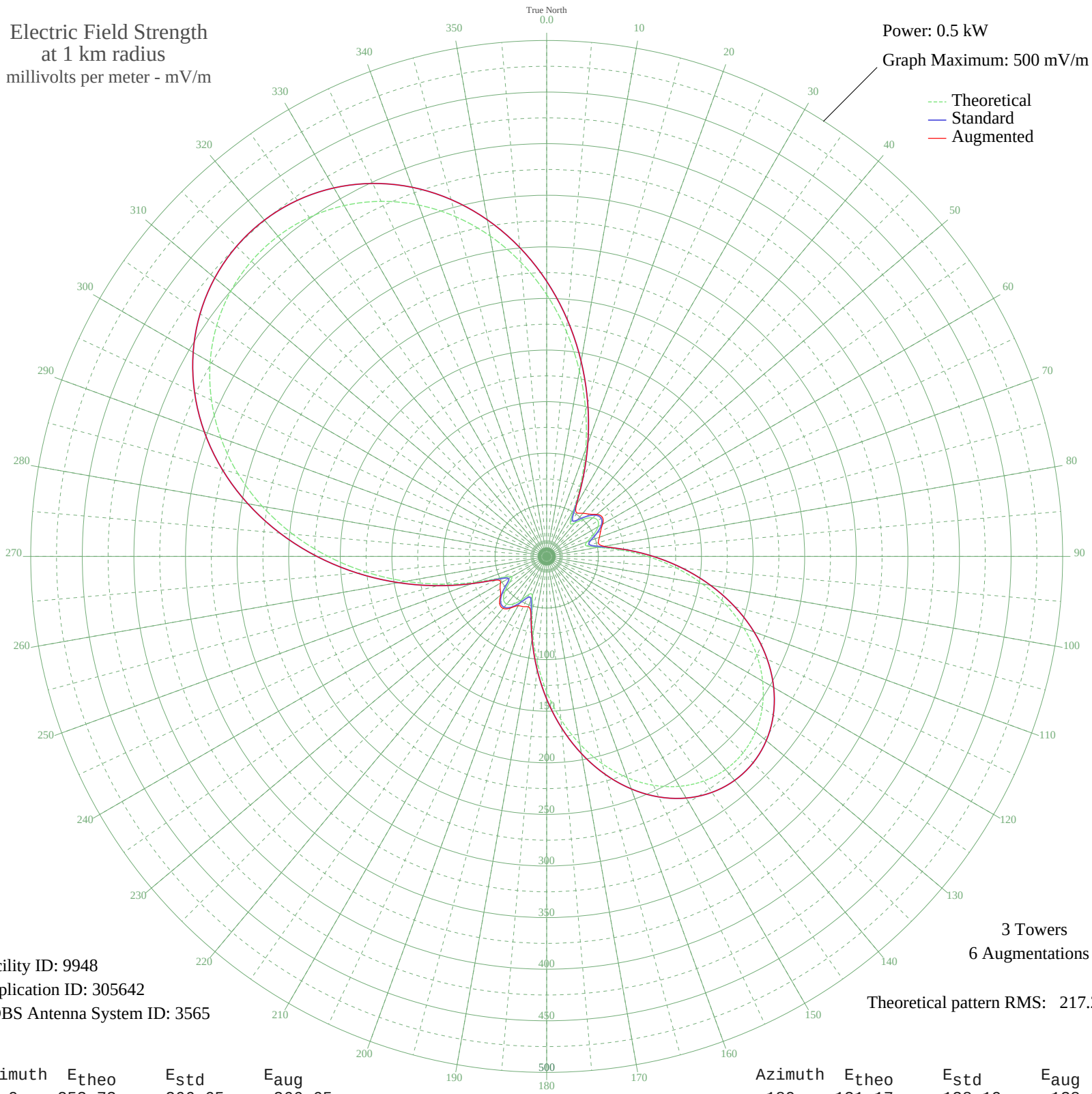
WKVA LEWISTOWN, PA BL-- 920 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
6 Augmentations

Facility ID: 9948
Application ID: 305642
CDBS Antenna System ID: 3565

Theoretical pattern RMS: 217.26

Azimuth	E_{theo}	E_{std}	E_{aug}
0	253.73	266.65	266.65
5	218.93	230.15	230.15
10	182.62	192.08	192.08
15	145.97	153.69	153.69
20	110.48	116.56	116.56
25	78.20	82.89	82.89
30	52.53	56.32	57.74
35	39.63	43.13	51.39
40	42.32	45.86	54.58
45	51.24	54.98	58.05
50	58.25	62.20	63.44
55	60.47	64.50	65.98
60	57.41	61.34	62.59
65	50.10	53.81	57.64
70	41.75	45.28	54.35
75	39.63	43.13	51.78
80	50.62	54.35	56.52
85	71.80	76.24	76.24
90	97.83	103.34	103.34
95	125.58	132.35	132.35
100	153.23	161.29	161.29
105	179.49	188.80	188.80
110	203.42	213.90	213.90
115	224.33	235.82	235.82
120	241.67	254.01	254.01
125	255.08	268.07	268.07
130	264.29	277.74	277.74
135	269.16	282.85	282.85
140	269.61	283.32	283.32
145	265.62	279.13	279.13
150	257.26	270.36	270.36
155	244.68	257.16	257.16
160	228.09	239.77	239.77
165	207.87	218.55	218.55
170	184.49	194.04	194.04
175	158.62	166.94	166.94

Azimuth	E_{theo}	E_{std}	E_{aug}
180	131.17	138.19	138.19
185	103.31	109.07	109.07
190	76.75	81.38	81.38
195	54.24	58.07	58.81
200	40.74	44.25	51.96
205	40.52	44.03	53.65
210	48.35	52.02	55.21
215	56.23	60.12	61.09
220	60.27	64.29	65.74
225	59.11	63.10	64.50
230	52.94	56.73	58.36
235	43.97	47.54	55.01
240	39.08	42.58	51.64
245	48.69	52.37	54.20
250	72.39	76.85	76.85
255	103.69	109.47	109.47
260	138.73	146.10	146.10
265	175.27	184.38	184.38
270	211.75	222.63	222.63
275	246.94	259.53	259.53
280	279.85	294.06	294.06
285	309.74	325.43	325.43
290	336.06	353.04	353.04
295	358.41	376.50	376.50
300	376.56	395.55	395.55
305	390.36	410.03	410.03
310	399.73	419.87	419.87
315	404.64	425.03	425.03
320	405.09	425.50	425.50
325	401.07	421.28	421.28
330	392.59	412.37	412.37
335	379.67	398.82	398.82
340	362.38	380.67	380.67
345	340.85	358.08	358.08
350	315.30	331.26	331.26
355	286.09	300.61	300.61

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.

10 Nov 2011

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