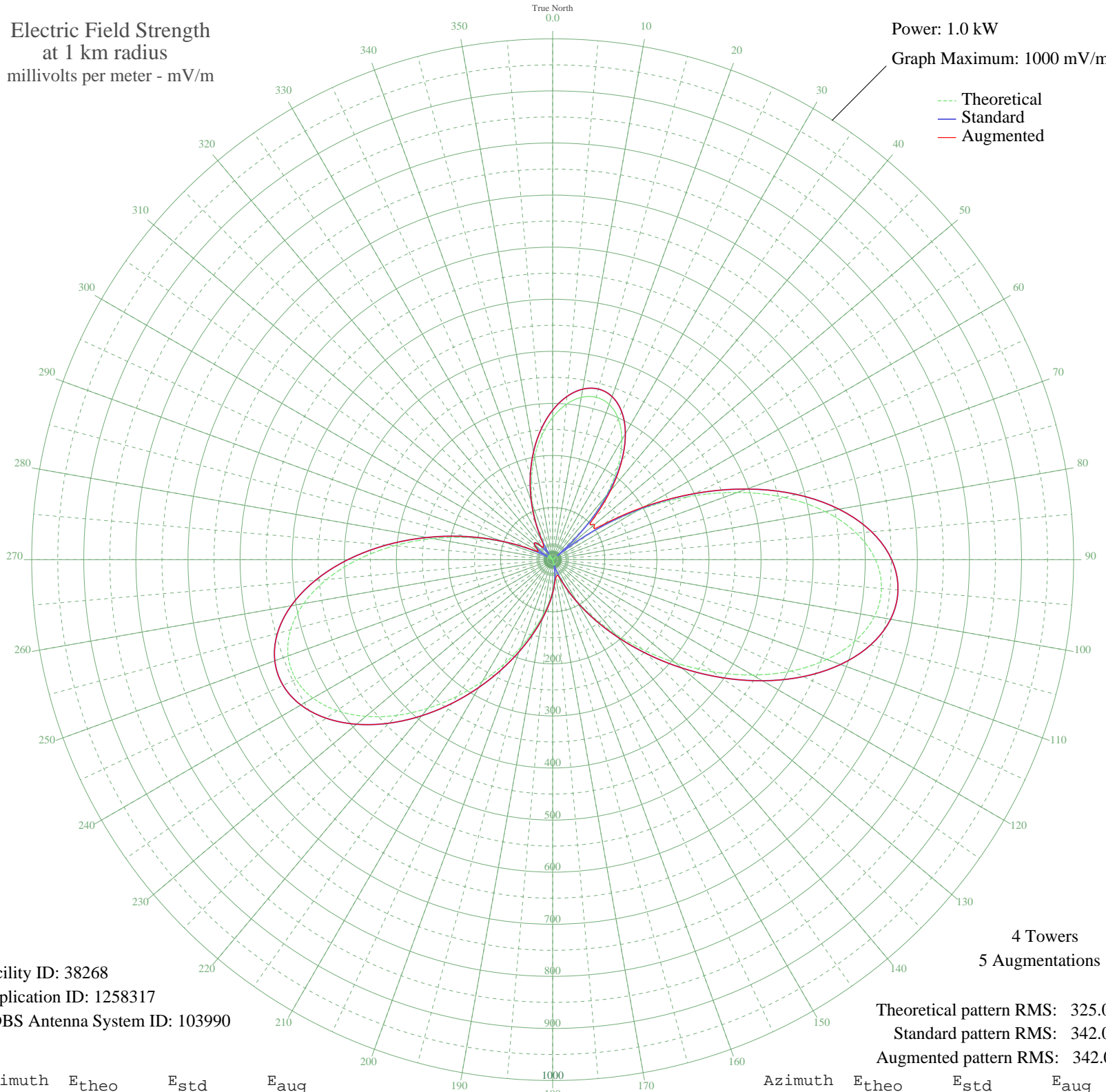


WVOW LOGAN, WV BL-20080711AES 1290 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 38268
Application ID: 1258317
CDBS Antenna System ID: 103990

4 Towers
5 Augmentations

Theoretical pattern RMS: 325.09
Standard pattern RMS: 342.05
Augmented pattern RMS: 342.05

Azimuth	E _{theo}	E _{std}	E _{aug}
0	273.07	286.97	286.97
5	299.28	314.46	314.46
10	316.38	332.41	332.41
15	322.81	339.15	339.15
20	317.18	333.25	333.25
25	298.37	313.51	313.51
30	265.62	279.15	279.15
35	218.68	229.92	231.36
40	157.94	166.25	172.94
45	84.50	89.50	109.03
50	0.34	11.78	104.96
55	91.78	97.08	115.33
60	188.28	198.05	203.70
65	285.02	299.50	300.61
70	377.45	396.50	396.50
75	461.02	484.21	484.21
80	531.46	558.15	558.15
85	585.20	614.57	614.57
90	619.70	650.79	650.79
95	633.67	665.46	665.46
100	627.22	658.69	658.69
105	601.81	632.01	632.01
110	560.11	588.24	588.24
115	505.72	531.13	531.13
120	442.75	465.03	465.03
125	375.46	394.41	394.41
130	307.85	323.45	323.45
135	243.30	255.74	255.74
140	184.41	193.99	193.99
145	132.79	139.92	139.92
150	89.11	94.30	94.30
155	53.15	57.03	57.16
160	23.95	27.77	34.78
165	0.00	11.77	31.63
170	20.60	24.63	35.55
175	39.88	43.50	44.95

Azimuth	E _{theo}	E _{std}	E _{aug}
180	59.89	63.98	63.98
185	82.48	87.40	87.40
190	109.17	115.23	115.23
195	141.03	148.55	148.55
200	178.58	187.88	187.88
205	221.68	233.06	233.06
210	269.49	283.21	283.21
215	320.49	336.72	336.72
220	372.47	391.27	391.27
225	422.69	443.98	443.98
230	468.06	491.60	491.60
235	505.32	530.71	530.71
240	531.40	558.10	558.10
245	543.72	571.03	571.03
250	540.45	567.59	567.59
255	520.82	546.98	546.98
260	485.24	509.64	509.64
265	435.42	457.34	457.34
270	374.19	393.08	393.08
275	305.36	320.85	320.85
280	233.33	245.28	245.28
285	162.72	171.26	171.26
290	97.90	103.47	103.47
295	42.66	46.31	50.16
300	0.14	11.78	32.19
305	28.71	32.36	37.66
310	42.43	46.08	46.08
315	41.73	45.37	45.37
320	27.93	31.60	32.29
325	3.02	12.19	31.49
330	30.59	34.21	38.93
335	70.29	74.74	74.74
340	113.46	119.72	119.72
345	157.59	165.88	165.88
350	200.31	210.65	210.65
355	239.47	251.72	251.72

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