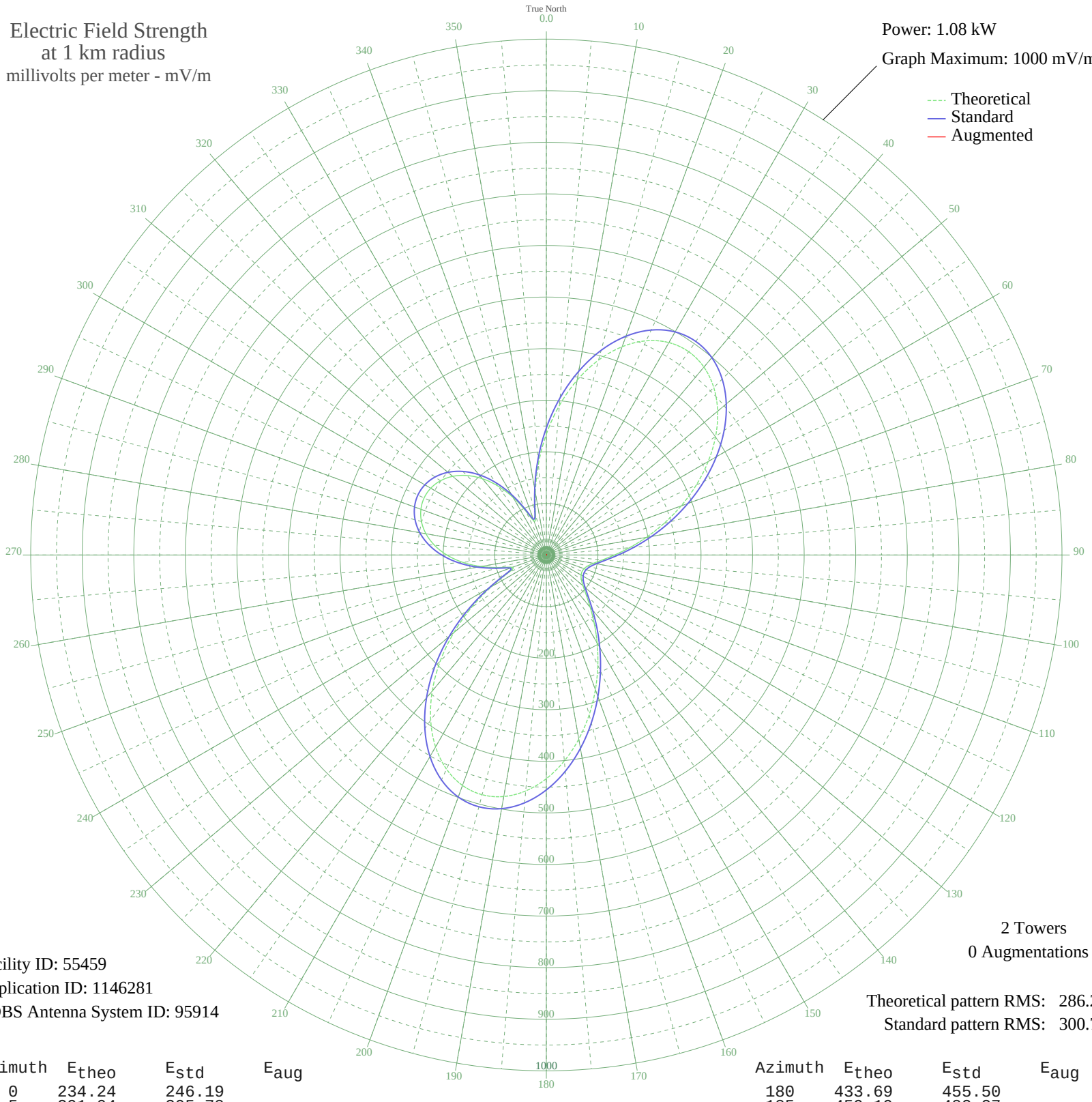
KVNU LOGAN, UT BL-20060816AAH 610 kHz

Nighttime

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



Power: 1.08 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 55459
Application ID: 1146281
CDBS Antenna System ID: 95914

Theoretical pattern RMS: 286.24
Standard pattern RMS: 300.74

Azimuth	E_{theo}	E_{std}	E_{aug}
0	234.24	246.19	
5	291.04	305.78	
10	344.17	361.54	
15	391.08	410.77	
20	429.62	451.23	
25	458.11	481.14	
30	475.44	499.34	
35	481.16	505.34	
40	475.47	499.36	
45	459.19	482.27	
50	433.69	455.50	
55	400.75	420.93	
60	362.41	380.69	
65	320.82	337.04	
70	278.10	292.21	
75	236.23	248.28	
80	196.99	207.13	
85	161.95	170.39	
90	132.39	139.43	
95	109.25	115.24	
100	92.92	98.17	
105	82.88	87.71	
110	77.83	82.44	
115	76.34	80.90	
120	77.83	82.44	
125	82.88	87.71	
130	92.92	98.17	
135	109.25	115.24	
140	132.39	139.43	
145	161.95	170.39	
150	196.99	207.13	
155	236.23	248.28	
160	278.10	292.21	
165	320.82	337.04	
170	362.41	380.69	
175	400.75	420.93	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	433.69	455.50	
185	459.19	482.27	
190	475.47	499.36	
195	481.16	505.34	
200	475.44	499.34	
205	458.11	481.14	
210	429.62	451.23	
215	391.08	410.77	
220	344.17	361.54	
225	291.04	305.78	
230	234.24	246.19	
235	176.79	185.95	
240	122.87	129.47	
245	80.95	85.69	
250	69.92	74.22	
255	93.61	98.90	
260	128.59	135.46	
265	162.90	171.40	
270	193.02	202.97	
275	217.86	229.01	
280	237.10	249.19	
285	250.74	263.50	
290	258.86	272.02	
295	261.56	274.85	
300	258.86	272.02	
305	250.74	263.50	
310	237.10	249.19	
315	217.86	229.01	
320	193.02	202.97	
325	162.90	171.39	
330	128.59	135.46	
335	93.61	98.90	
340	69.92	74.22	
345	80.95	85.69	
350	122.87	129.47	
355	176.79	185.95	

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.

03 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission