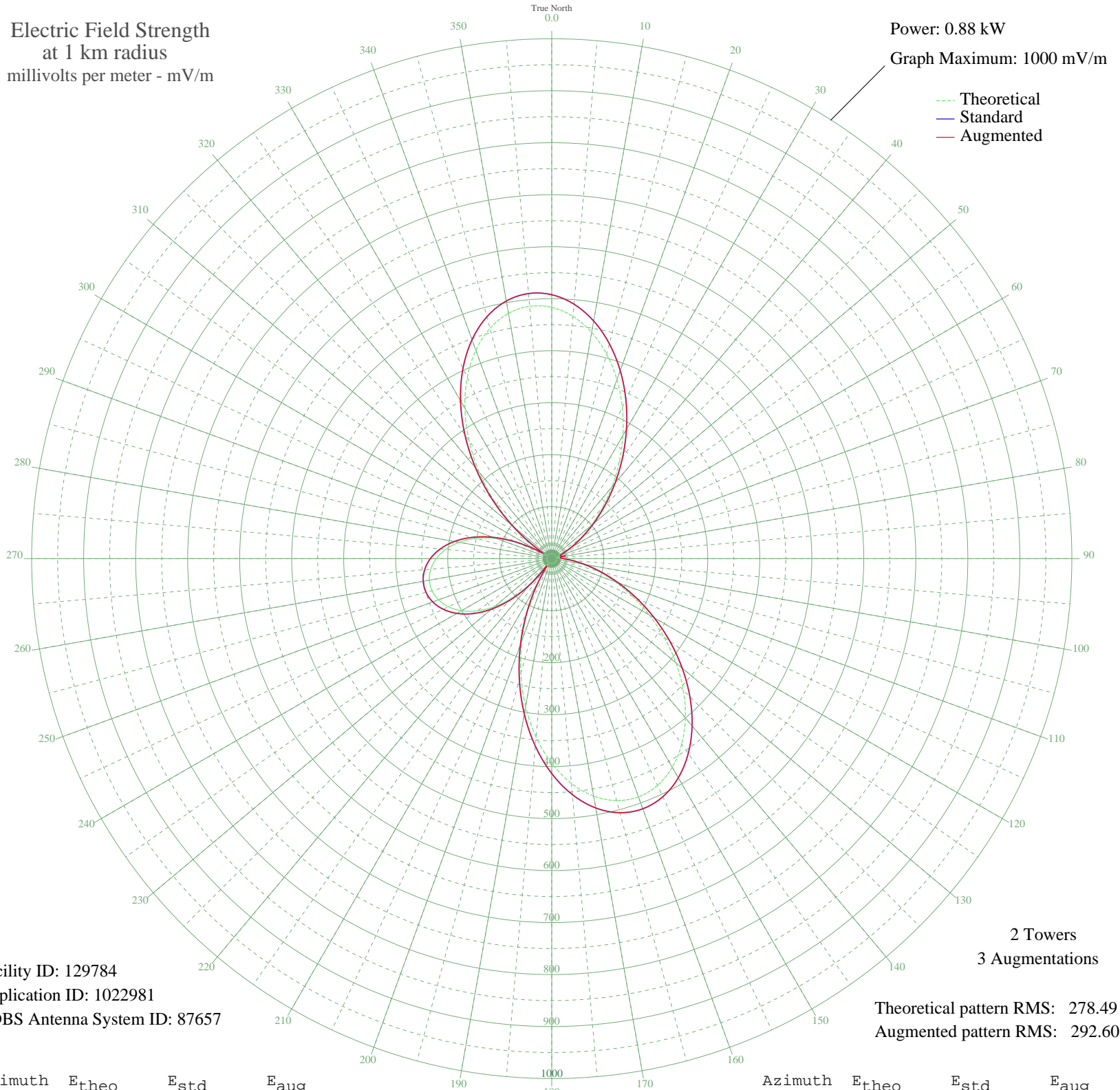


KNFL TREMONTON, UT BL-20041012AKI 1470 kHz

Nighttime

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

Power: 0.88 kW
Graph Maximum: 1000 mV/m



Facility ID: 129784
Application ID: 1022981
CDBS Antenna System ID: 87657

Theoretical pattern RMS: 278.49
Augmented pattern RMS: 292.60

Azimuth	E _{theo}	E _{std}	E _{aug}
0	483.40	507.67	507.67
5	467.84	491.35	491.35
10	441.95	464.17	464.17
15	407.46	427.96	427.96
20	366.41	384.88	384.88
25	321.02	337.23	337.23
30	273.47	287.34	287.34
35	225.83	237.35	237.35
40	179.92	189.21	189.21
45	137.28	144.52	144.52
50	99.13	104.62	104.62
55	66.46	70.57	70.57
60	40.14	43.44	43.44
65	21.39	24.79	24.79
70	12.89	17.13	17.73
75	13.22	17.41	17.41
80	13.46	17.61	20.46
85	12.55	16.85	16.85
90	18.76	22.32	22.32
95	35.73	38.96	38.96
100	60.66	64.56	64.56
105	92.13	97.31	97.31
110	129.25	136.12	136.12
115	171.09	179.95	179.95
120	216.46	227.52	227.52
125	263.89	277.28	277.28
130	311.61	327.36	327.36
135	357.61	375.64	375.64
140	399.71	419.82	419.82
145	435.68	457.59	457.59
150	463.44	486.73	486.73
155	481.18	505.35	505.35
160	487.54	512.02	512.02
165	481.74	505.93	505.93
170	463.66	486.95	486.95
175	433.87	455.69	455.69

Azimuth	E _{theo}	E _{std}	E _{aug}
180	393.59	413.41	413.41
185	344.56	361.94	361.94
190	288.92	303.55	303.55
195	229.01	240.69	240.69
200	167.23	175.91	175.91
205	105.89	111.68	111.68
210	47.47	50.94	50.94
215	15.83	19.66	19.66
220	61.45	65.37	65.37
225	105.49	111.26	111.26
230	143.53	151.07	151.07
235	175.13	184.19	184.19
240	200.26	210.54	210.54
245	219.03	230.23	230.23
250	231.61	243.42	243.42
255	238.15	250.28	250.28
260	238.74	250.90	250.90
265	233.40	245.29	245.29
270	222.04	233.38	233.38
275	204.52	215.00	215.00
280	180.67	190.00	190.00
285	150.37	158.23	158.23
290	113.60	119.74	119.74
295	70.69	74.96	74.96
300	23.79	27.10	28.93
305	36.54	39.78	40.46
310	93.88	99.13	99.13
315	154.85	162.94	162.94
320	216.73	227.81	227.81
325	277.20	291.25	291.25
330	333.89	350.74	350.74
335	384.42	403.78	403.78
340	426.61	448.06	448.06
345	458.61	481.65	481.65
350	479.09	503.16	503.16
355	487.36	511.84	511.84

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