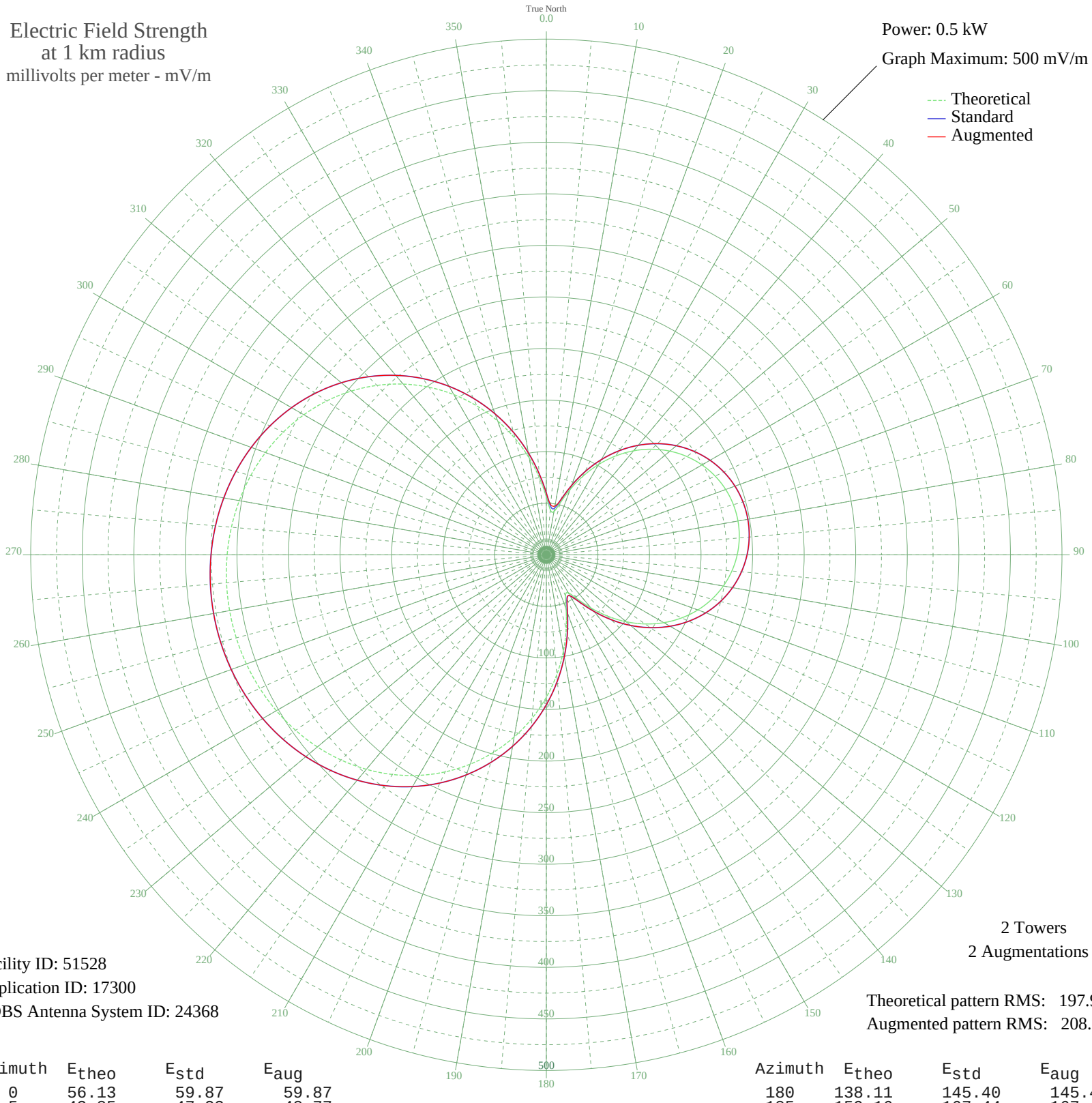
KTHO SOUTH LAKE TAHOE, CA BL-19800130AC 590 kHz

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

2 Towers
2 Augmentations

Facility ID: 51528
Application ID: 17300
CDBS Antenna System ID: 24368

Theoretical pattern RMS: 197.95
Augmented pattern RMS: 208.13

Azimuth	E_{theo}	E_{std}	E_{aug}
0	56.13	59.87	59.87
5	43.85	47.23	48.77
10	42.52	45.87	47.96
15	52.16	55.77	55.77
20	67.33	71.47	71.47
25	84.16	88.99	88.99
30	100.95	106.52	106.52
35	116.90	123.19	123.19
40	131.59	138.57	138.57
45	144.79	152.39	152.39
50	156.36	164.51	164.51
55	166.21	174.84	174.84
60	174.30	183.31	183.31
65	180.59	189.91	189.91
70	185.09	194.63	194.63
75	187.79	197.46	197.46
80	188.69	198.40	198.40
85	187.79	197.46	197.46
90	185.09	194.63	194.63
95	180.59	189.91	189.91
100	174.30	183.31	183.31
105	166.21	174.84	174.84
110	156.36	164.51	164.51
115	144.79	152.39	152.39
120	131.59	138.57	138.57
125	116.90	123.19	123.19
130	100.95	106.52	106.52
135	84.16	88.99	88.99
140	67.33	71.47	71.47
145	52.16	55.77	55.77
150	42.52	45.87	45.87
155	43.85	47.23	47.62
160	56.13	59.87	59.87
165	74.34	78.76	78.76
170	95.02	100.32	100.32
175	116.56	122.84	122.84

Azimuth	E_{theo}	E_{std}	E_{aug}
180	138.11	145.40	145.40
185	159.16	167.44	167.44
190	179.32	188.58	188.58
195	198.35	208.54	208.54
200	216.05	227.10	227.10
205	232.28	244.12	244.12
210	246.95	259.51	259.51
215	260.03	273.23	273.23
220	271.51	285.28	285.28
225	281.42	295.68	295.68
230	289.81	304.48	304.48
235	296.75	311.76	311.76
240	302.30	317.58	317.58
245	306.53	322.02	322.02
250	309.50	325.14	325.14
255	311.26	327.00	327.00
260	311.85	327.61	327.61
265	311.26	327.00	327.00
270	309.50	325.14	325.14
275	306.53	322.02	322.02
280	302.30	317.58	317.58
285	296.75	311.76	311.76
290	289.81	304.48	304.48
295	281.42	295.68	295.68
300	271.51	285.28	285.28
305	260.03	273.23	273.23
310	246.95	259.51	259.51
315	232.28	244.12	244.12
320	216.05	227.10	227.10
325	198.35	208.54	208.54
330	179.32	188.58	188.58
335	159.16	167.44	167.44
340	138.11	145.40	145.40
345	116.56	122.84	122.84
350	95.02	100.32	100.32
355	74.34	78.76	78.76

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