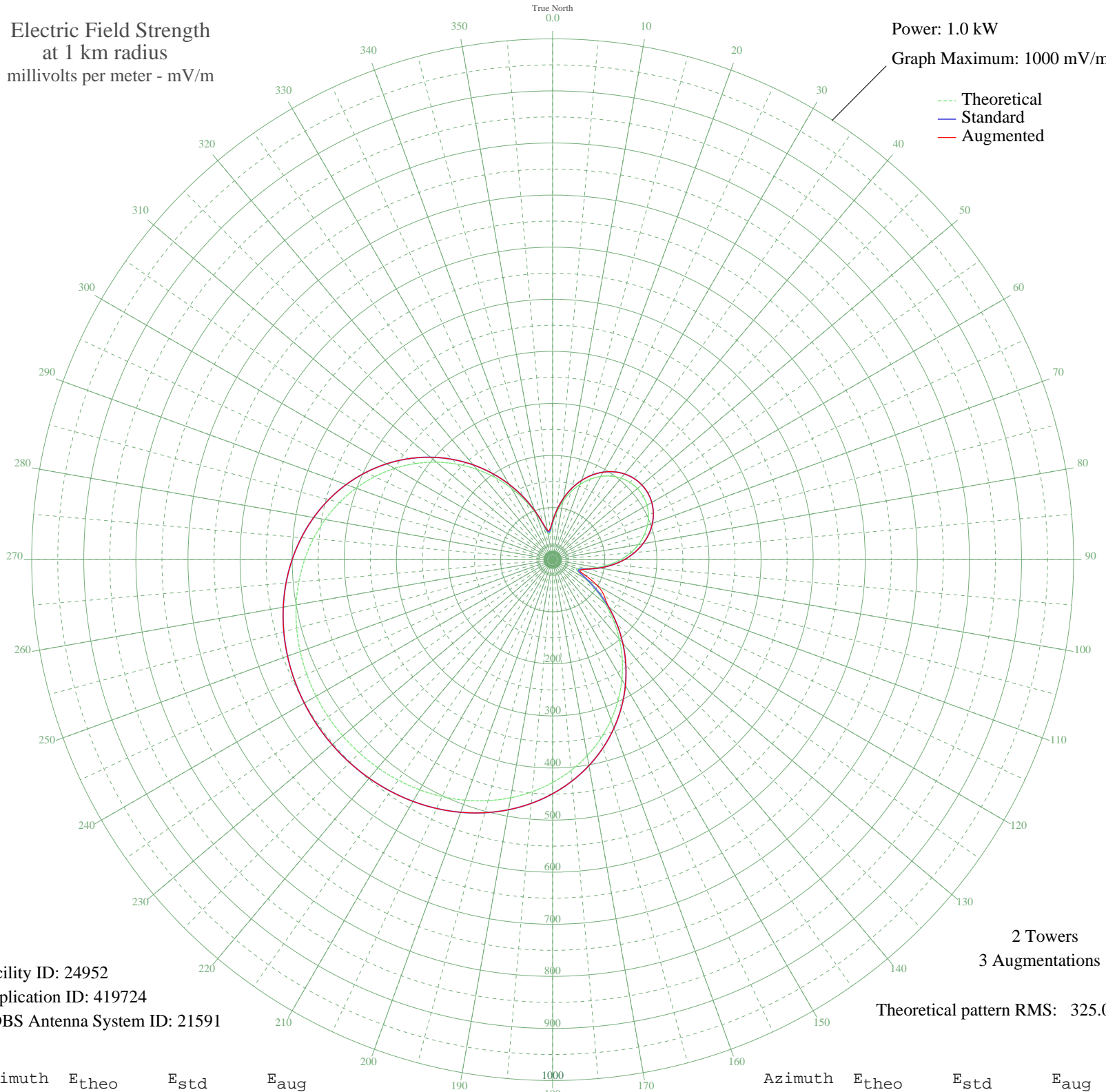


KUHL SANTA MARIA, CA BL-14471 1440 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 24952
Application ID: 419724
CDBS Antenna System ID: 21591

2 Towers
3 Augmentations
Theoretical pattern RMS: 325.09

Azimuth	E _{theo}	E _{std}	E _{aug}
0	69.31	73.64	73.98
5	91.10	96.32	96.32
10	113.44	119.64	119.64
15	134.55	141.72	141.72
20	153.66	161.73	161.73
25	170.37	179.24	179.24
30	184.45	194.00	194.00
35	195.77	205.87	205.87
40	204.24	214.75	214.75
45	209.81	220.59	220.59
50	212.46	223.37	223.37
55	212.16	223.06	223.06
60	208.93	219.67	219.67
65	202.78	213.22	213.22
70	193.73	203.73	203.73
75	181.85	191.28	191.28
80	167.23	175.95	175.95
85	150.02	157.92	157.92
90	130.47	137.45	137.45
95	109.03	115.04	115.04
100	86.61	91.64	91.64
105	65.33	69.52	70.08
110	50.81	54.54	57.56
115	52.91	56.70	64.84
120	72.25	76.70	98.77
125	100.29	105.91	120.57
130	132.03	139.09	140.02
135	165.35	173.99	173.99
140	199.18	209.45	209.45
145	232.81	244.71	244.71
150	265.69	279.20	279.20
155	297.39	312.46	312.46
160	327.54	344.10	344.10
165	355.85	373.81	373.81
170	382.10	401.36	401.36
175	406.13	426.58	426.58

Azimuth	E _{theo}	E _{std}	E _{aug}
180	427.83	449.37	449.37
185	447.19	469.68	469.68
190	464.20	487.54	487.54
195	478.92	502.99	502.99
200	491.43	516.13	516.13
205	501.84	527.06	527.06
210	510.27	535.90	535.90
215	516.82	542.77	542.77
220	521.59	547.78	547.78
225	524.67	551.02	551.02
230	526.12	552.54	552.54
235	525.96	552.37	552.37
240	524.19	550.51	550.51
245	520.77	546.93	546.93
250	515.65	541.55	541.55
255	508.74	534.29	534.29
260	499.93	525.04	525.04
265	489.10	513.68	513.68
270	476.15	500.09	500.09
275	460.98	484.16	484.16
280	443.51	465.82	465.82
285	423.68	445.01	445.01
290	401.50	421.73	421.73
295	377.02	396.03	396.03
300	350.35	368.04	368.04
305	321.65	337.92	337.92
310	291.16	305.93	305.93
315	259.20	272.39	272.39
320	226.13	237.70	237.70
325	192.41	202.35	202.35
330	158.62	166.94	166.94
335	125.51	132.27	132.27
340	94.29	99.65	99.65
345	67.44	71.71	72.36
350	50.88	54.60	57.65
355	52.70	56.48	59.11

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission