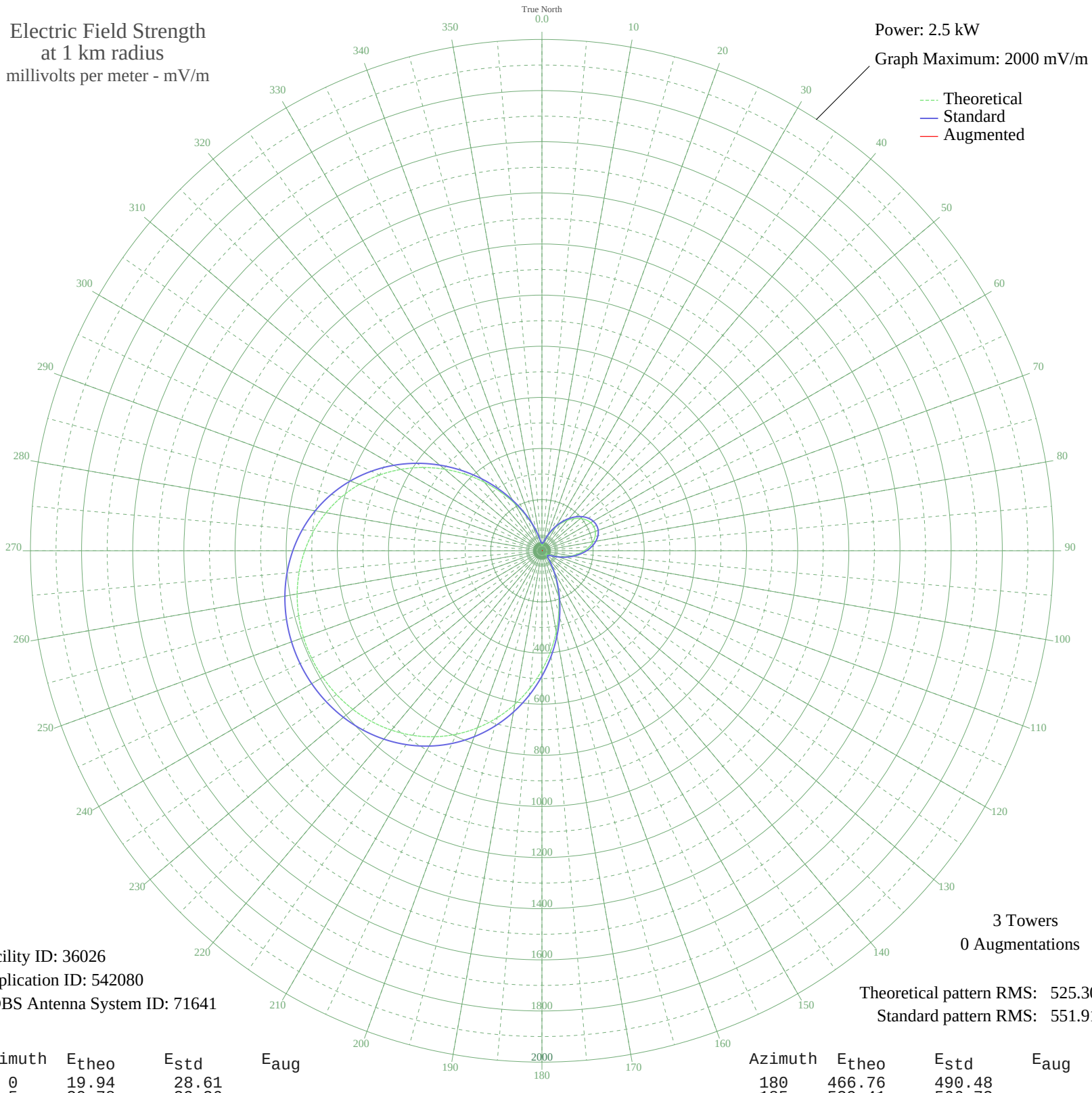
KXTK ARROYO GRANDE, CA BL-20001211ADJ 1280 kHz

Nighttime

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



Power: 2.5 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 36026
Application ID: 542080
CDBS Antenna System ID: 71641

Theoretical pattern RMS: 525.30
Standard pattern RMS: 551.91

Azimuth	E_{theo}	E_{std}	E_{aug}
0	19.94	28.61	
5	20.78	29.26	
10	25.74	33.33	
15	37.88	44.30	
20	56.74	62.68	
25	79.98	86.22	
30	105.44	112.42	
35	131.27	139.20	
40	155.89	164.84	
45	178.01	187.92	
50	196.55	207.30	
55	210.71	222.10	
60	219.89	231.70	
65	223.73	235.72	
70	222.08	233.99	
75	215.00	226.59	
80	202.78	213.81	
85	185.91	196.17	
90	165.10	174.45	
95	141.34	149.68	
100	115.82	123.16	
105	90.01	96.50	
110	65.64	71.63	
115	44.74	50.87	
120	29.67	36.75	
125	22.06	30.28	
130	19.94	28.61	
135	21.36	29.72	
140	31.60	38.49	
145	54.78	60.73	
150	90.00	96.49	
155	135.84	143.95	
160	190.87	201.36	
165	253.46	266.84	
170	321.69	338.34	
175	393.50	413.63	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	466.76	490.48	
185	539.41	566.72	
190	609.62	640.40	
195	675.82	709.88	
200	736.78	773.87	
205	791.63	831.44	
210	839.85	882.06	
215	881.20	925.47	
220	915.70	961.69	
225	943.53	990.90	
230	964.97	1013.40	
235	980.31	1029.51	
240	989.83	1039.50	
245	993.71	1043.58	
250	992.05	1041.84	
255	984.80	1034.23	
260	971.82	1020.60	
265	952.86	1000.69	
270	927.62	974.20	
275	895.82	940.81	
280	857.22	900.29	
285	811.73	852.54	
290	759.49	797.70	
295	700.89	736.19	
300	636.66	668.78	
305	567.88	596.60	
310	496.00	521.16	
315	422.75	444.31	
320	350.10	368.13	
325	280.19	294.84	
330	215.10	226.69	
335	156.83	165.82	
340	107.14	114.17	
345	67.51	73.51	
350	39.33	45.67	
355	24.00	31.86	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission