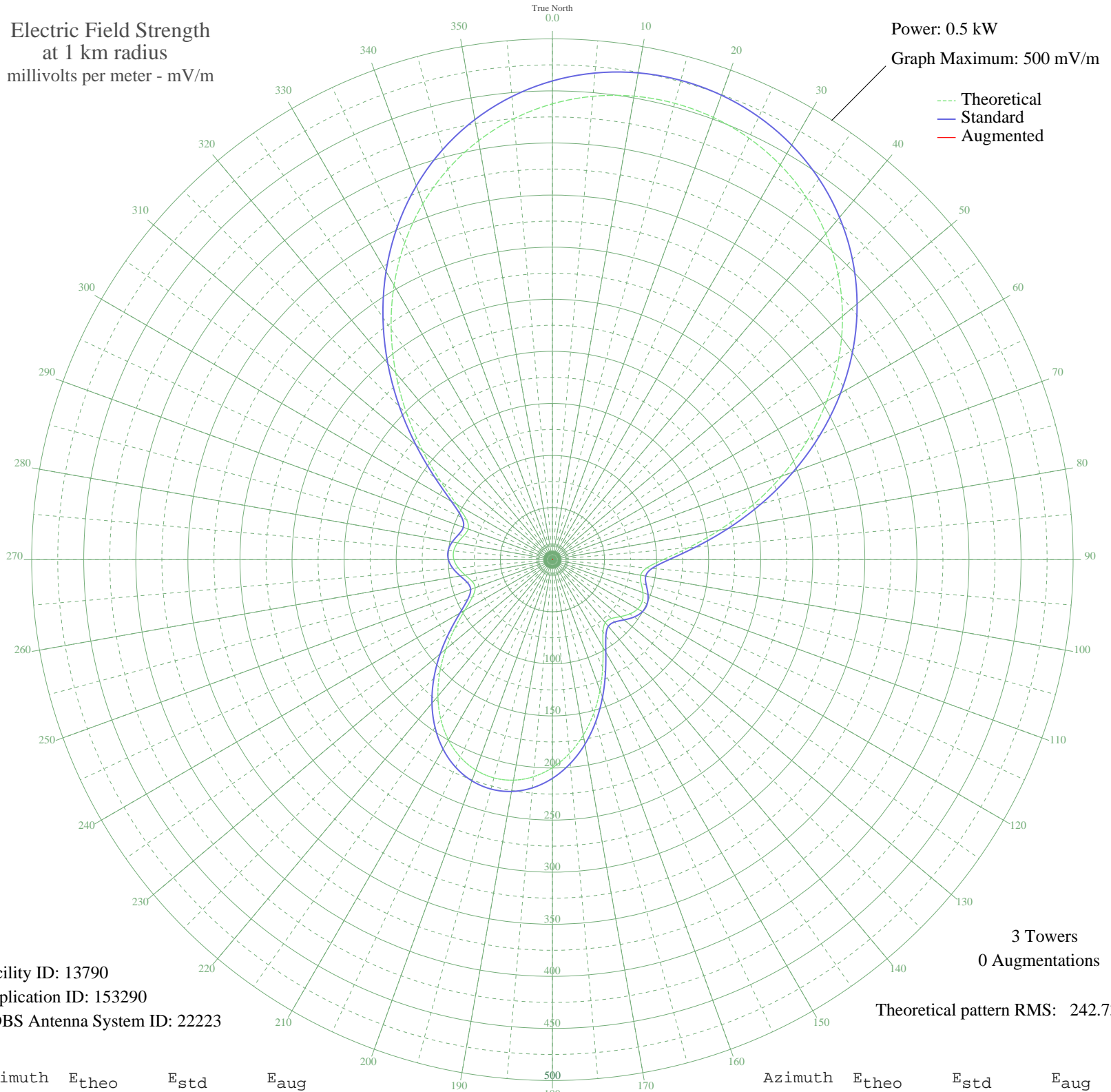


**KPHX PHOENIX, AZ BL-19901005AD 1480 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 13790  
Application ID: 153290  
CDBS Antenna System ID: 22223

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 242.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	437.57	459.57	
5	446.50	468.94	
10	451.81	474.51	
15	453.57	476.36	
20	451.81	474.51	
25	446.50	468.94	
30	437.57	459.57	
35	424.90	446.27	
40	408.38	428.93	
45	387.94	407.47	
50	363.60	381.93	
55	335.54	352.47	
60	304.11	319.49	
65	269.96	283.65	
70	234.02	245.95	
75	197.61	207.75	
80	162.50	170.95	
85	131.04	137.99	
90	106.20	112.01	
95	90.97	96.10	
100	86.09	91.00	
105	88.26	93.27	
110	92.49	97.68	
115	95.14	100.45	
120	94.58	99.87	
125	90.78	95.90	
130	85.04	89.91	
135	79.95	84.60	
140	78.94	83.55	
145	84.67	89.53	
150	97.18	102.58	
155	114.32	120.49	
160	133.58	140.65	
165	152.96	160.95	
170	171.05	179.91	
175	186.86	196.49	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	199.72	209.97	
185	209.18	219.88	
190	214.95	225.94	
195	216.89	227.98	
200	214.95	225.94	
205	209.18	219.88	
210	199.72	209.97	
215	186.86	196.49	
220	171.05	179.91	
225	152.96	160.95	
230	133.58	140.65	
235	114.32	120.49	
240	97.18	102.58	
245	84.67	89.53	
250	78.94	83.55	
255	79.95	84.60	
260	85.04	89.91	
265	90.78	95.90	
270	94.58	99.87	
275	95.14	100.45	
280	92.49	97.68	
285	88.26	93.27	
290	86.09	91.00	
295	90.97	96.10	
300	106.20	112.01	
305	131.04	137.99	
310	162.50	170.95	
315	197.61	207.75	
320	234.02	245.95	
325	269.96	283.65	
330	304.11	319.49	
335	335.54	352.47	
340	363.60	381.93	
345	387.94	407.47	
350	408.38	428.93	
355	424.90	446.27	

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