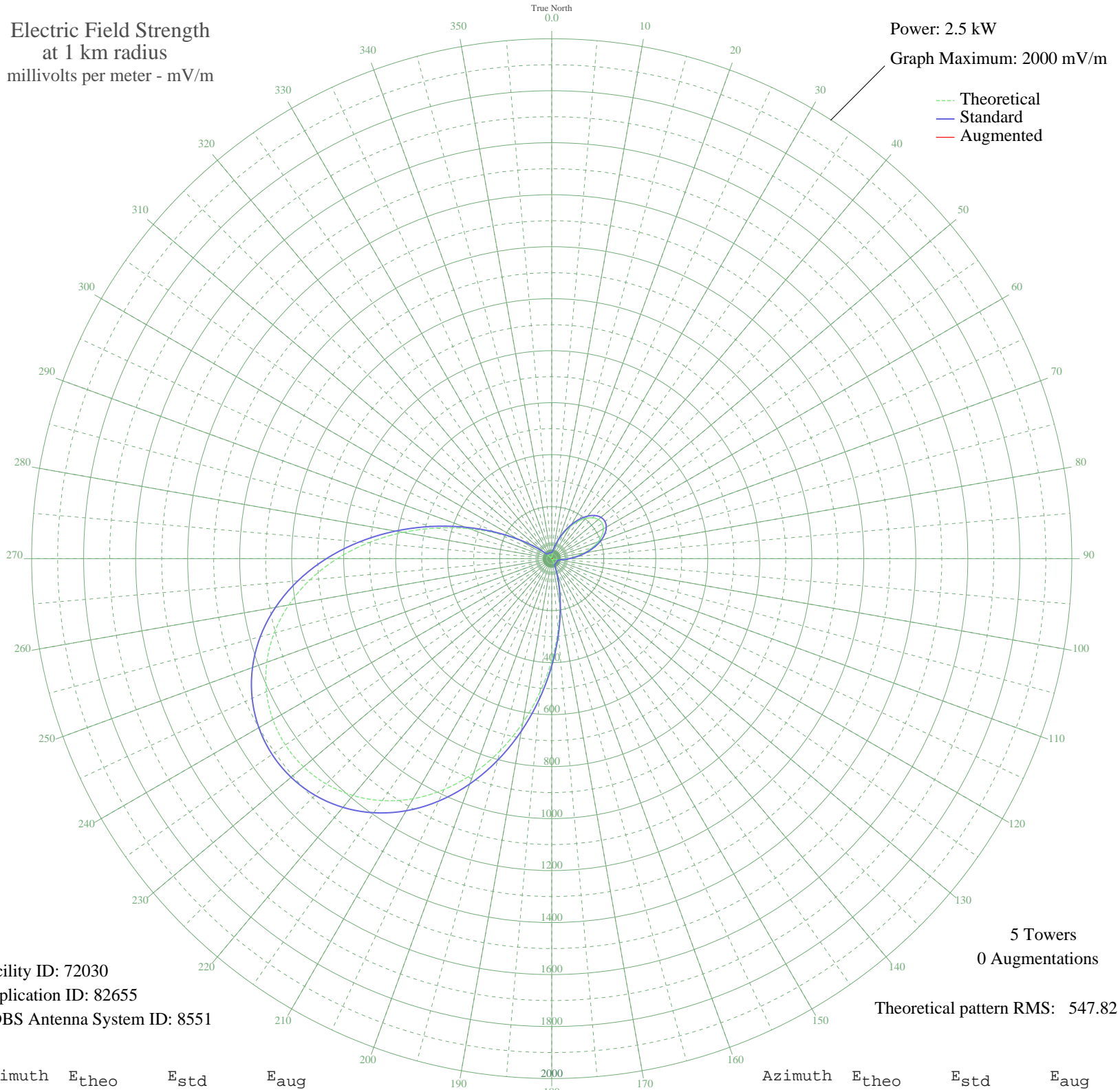


# KNWQ PALM SPRINGS, CA BL-19851018AB 1140 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 2000 mV/m



Facility ID: 72030  
Application ID: 82655  
CDBS Antenna System ID: 8551

5 Towers  
0 Augmentations  
Theoretical pattern RMS: 547.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	0.34	23.34	
5	8.19	24.88	
10	23.58	34.03	
15	46.45	54.07	
20	75.47	82.61	
25	108.36	116.15	
30	142.30	151.22	
35	174.33	184.53	
40	201.73	213.09	
45	222.23	234.51	
50	234.21	247.03	
55	236.73	249.66	
60	229.60	242.21	
65	213.37	225.25	
70	189.31	200.14	
75	159.37	168.96	
80	126.07	134.41	
85	92.26	99.65	
90	60.90	68.07	
95	34.59	43.18	
100	15.22	28.29	
105	3.53	23.63	
110	1.08	23.37	
115	0.51	23.35	
120	2.48	23.49	
125	4.93	23.91	
130	4.64	23.85	
135	0.99	23.36	
140	4.51	23.82	
145	8.19	24.87	
150	4.75	23.87	
155	11.63	26.34	
160	46.11	53.75	
165	102.00	109.61	
170	180.00	190.43	
175	278.06	292.89	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	391.73	411.98	
185	515.01	541.26	
190	641.26	673.72	
195	764.15	802.70	
200	878.38	922.59	
205	979.96	1029.23	
210	1066.37	1119.94	
215	1136.31	1193.36	
220	1189.41	1249.10	
225	1225.84	1287.35	
230	1245.98	1308.49	
235	1250.11	1312.83	
240	1238.32	1300.45	
245	1210.42	1271.15	
250	1166.03	1224.55	
255	1104.84	1160.32	
260	1026.90	1078.49	
265	932.97	979.90	
270	824.92	866.48	
275	705.95	741.61	
280	580.70	610.18	
285	455.06	478.38	
290	335.57	353.12	
295	228.72	241.29	
300	139.87	148.70	
305	72.39	79.51	
310	27.04	36.75	
315	1.79	23.42	
320	7.66	24.69	
325	6.96	24.46	
330	1.82	23.42	
335	3.12	23.57	
340	5.21	23.97	
345	3.99	23.71	
350	0.94	23.36	
355	1.27	23.38	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission