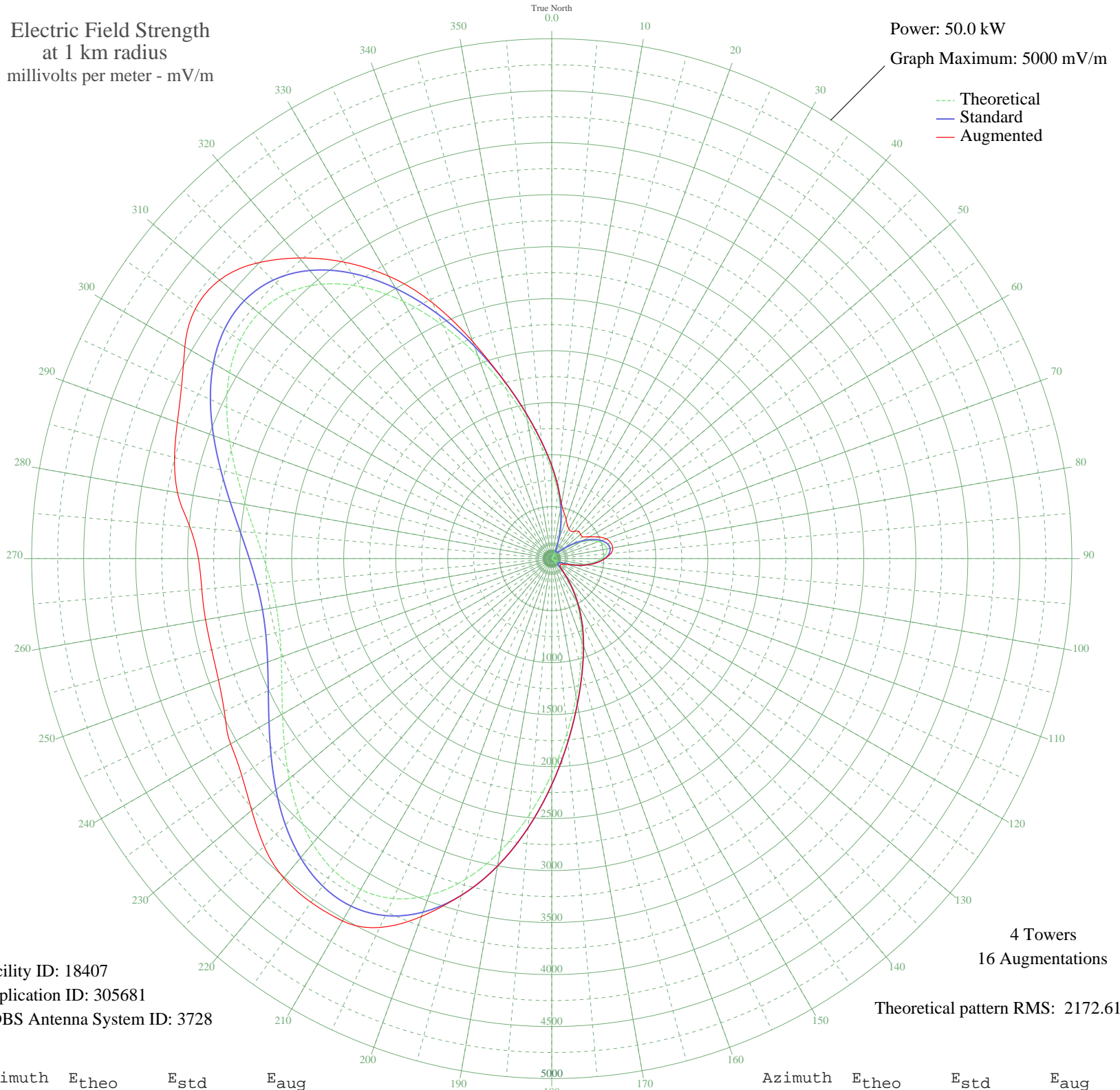


# KWRU FRESNO, CA BL-- 940 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 18407  
Application ID: 305681  
CDBS Antenna System ID: 3728

4 Towers  
16 Augmentations  
Theoretical pattern RMS: 2172.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	848.08	893.57	893.57
5	655.56	692.33	692.33
10	479.35	508.76	538.40
15	315.46	339.45	456.43
20	170.98	194.27	402.34
25	57.77	95.88	355.53
30	13.95	75.68	330.27
35	38.89	84.74	321.87
40	18.90	76.85	344.96
45	38.91	84.75	368.37
50	123.12	149.08	362.12
55	220.97	243.61	364.77
60	319.80	343.90	419.90
65	408.45	435.26	493.50
70	478.07	507.43	556.47
75	522.33	553.45	587.89
80	537.49	569.23	595.46
85	522.33	553.45	570.55
90	478.07	507.43	509.45
95	408.45	435.26	435.26
100	319.80	343.90	343.90
105	220.97	243.61	243.61
110	123.12	149.08	161.49
115	38.91	84.75	123.92
120	18.90	76.85	106.59
125	38.89	84.74	103.06
130	13.95	75.68	106.64
135	57.77	95.88	118.38
140	170.98	194.27	194.90
145	315.46	339.45	339.45
150	479.35	508.76	508.76
155	655.56	692.33	692.33
160	848.08	893.57	893.57
165	1073.00	1129.09	1129.09
170	1349.63	1419.05	1419.05
175	1685.87	1771.72	1771.72

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2069.82	2174.58	2174.58
185	2472.71	2597.41	2597.41
190	2857.99	3001.81	3001.81
195	3190.83	3351.19	3351.19
200	3445.01	3618.02	3662.50
205	3606.63	3787.69	3913.82
210	3674.61	3859.05	4023.36
215	3658.70	3842.36	4034.93
220	3576.14	3755.68	4008.21
225	3447.79	3620.94	3910.71
230	3294.87	3460.41	3765.15
235	3136.51	3294.17	3637.58
240	2988.47	3138.77	3564.41
245	2862.72	3006.77	3473.39
250	2767.66	2906.99	3409.56
255	2708.67	2845.07	3384.82
260	2688.70	2824.11	3379.62
265	2708.67	2845.07	3376.92
270	2767.66	2906.99	3396.66
275	2862.72	3006.77	3491.94
280	2988.47	3138.77	3653.21
285	3136.51	3294.17	3754.47
290	3294.87	3460.41	3830.10
295	3447.80	3620.95	3926.74
300	3576.14	3755.68	4072.79
305	3658.70	3842.36	4184.29
310	3674.61	3859.05	4168.31
315	3606.63	3787.69	4017.83
320	3445.01	3618.02	3774.61
325	3190.83	3351.19	3481.49
330	2857.99	3001.81	3138.22
335	2472.71	2597.40	2715.64
340	2069.82	2174.58	2222.20
345	1685.87	1771.71	1771.71
350	1349.63	1419.05	1419.05
355	1072.99	1129.09	1129.09

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 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission