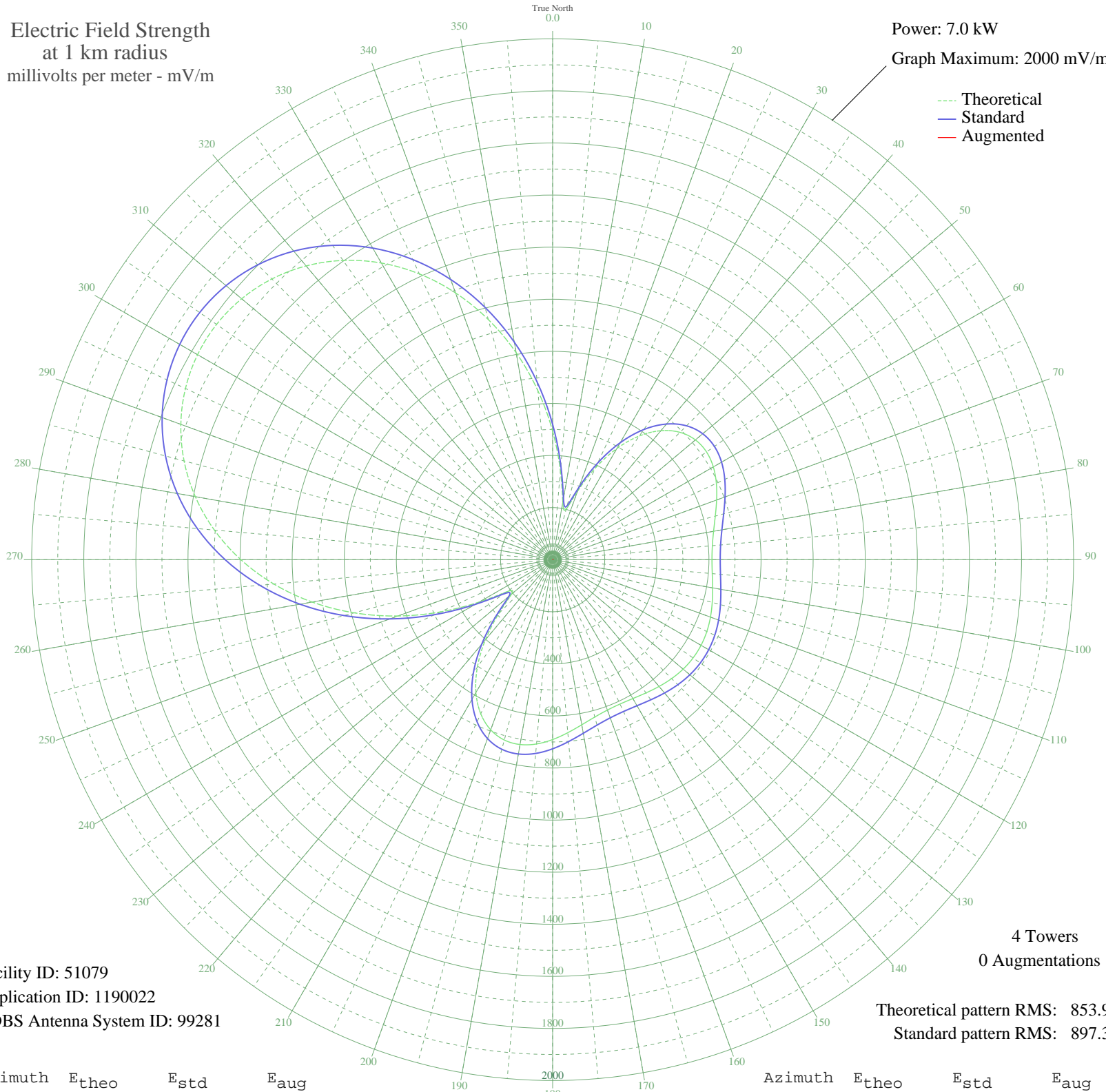


# KSAZ QUEEN CREEK, AZ BP-20070119AFP 580 kHz

Daytime

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

Power: 7.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 51079  
Application ID: 1190022  
CDBS Antenna System ID: 99281

4 Towers  
0 Augmentations

Theoretical pattern RMS: 853.90  
Standard pattern RMS: 897.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	493.14	519.12	
5	342.36	361.38	
10	224.41	238.51	
15	200.55	213.80	
20	279.79	296.10	
25	388.76	409.87	
30	492.52	518.47	
35	579.84	609.95	
40	646.50	679.84	
45	691.40	726.91	
50	715.45	752.13	
55	721.15	758.11	
60	712.27	748.80	
65	693.46	729.07	
70	669.84	704.30	
75	646.40	679.73	
80	627.36	659.76	
85	615.47	647.30	
90	611.65	643.30	
95	615.01	646.81	
100	623.40	655.61	
105	634.16	666.90	
110	644.75	678.00	
115	653.10	686.75	
120	657.77	691.65	
125	658.04	691.93	
130	653.87	687.56	
135	645.91	679.21	
140	635.49	668.29	
145	624.62	656.89	
150	615.80	647.64	
155	611.71	643.36	
160	614.59	646.38	
165	625.52	657.83	
170	643.81	677.01	
175	666.92	701.25	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	690.78	726.26	
185	710.44	746.88	
190	720.77	757.71	
195	717.04	753.80	
200	695.35	731.06	
205	653.04	686.69	
210	588.97	619.53	
215	503.99	530.48	
220	401.82	423.53	
225	292.39	309.23	
230	206.08	219.52	
235	215.08	228.84	
240	325.66	343.94	
245	474.36	499.45	
250	632.47	665.12	
255	788.84	829.11	
260	937.47	985.03	
265	1074.42	1128.75	
270	1197.05	1257.45	
275	1303.63	1369.31	
280	1393.11	1463.23	
285	1464.98	1538.68	
290	1519.07	1595.46	
295	1555.40	1633.59	
300	1574.06	1653.17	
305	1575.11	1654.28	
310	1558.57	1636.92	
315	1524.37	1601.02	
320	1472.41	1546.48	
325	1402.67	1473.27	
330	1315.28	1381.54	
335	1210.72	1271.79	
340	1089.93	1145.03	
345	954.58	1002.99	
350	807.18	848.34	
355	651.47	685.04	

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