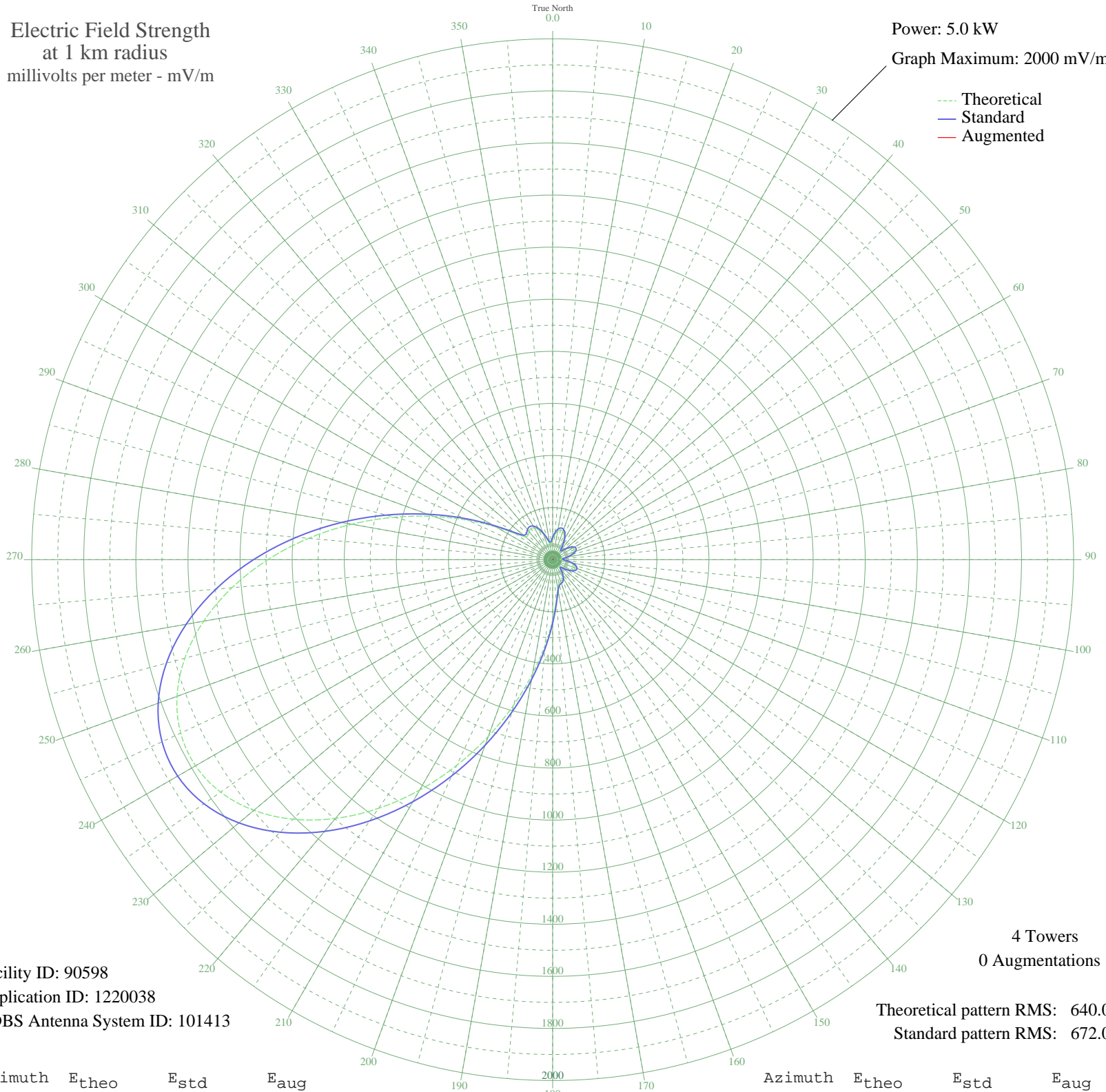


W XOZ HIGHLAND, IL BP-20071217ABH 1510 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 90598
Application ID: 1220038
CDBS Antenna System ID: 101413

Theoretical pattern RMS: 640.00
Standard pattern RMS: 672.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	78.22	85.42	
5	96.90	104.42	
10	111.31	119.21	
15	117.91	126.02	
20	115.28	123.30	
25	103.51	111.19	
30	84.12	91.39	
35	60.56	67.78	
40	40.75	48.80	
45	40.46	48.54	
50	57.93	65.21	
55	76.58	83.77	
60	88.99	96.35	
65	92.39	99.81	
70	86.12	93.42	
75	71.14	78.30	
80	50.29	57.79	
85	30.70	39.88	
90	31.40	40.48	
95	51.16	58.63	
100	71.49	78.65	
105	85.99	93.30	
110	92.29	99.71	
115	89.67	97.04	
120	78.75	85.95	
125	61.51	68.72	
130	42.27	50.21	
135	31.81	40.83	
140	41.67	49.66	
145	60.00	67.24	
150	75.92	83.11	
155	85.68	92.98	
160	89.58	96.95	
165	93.88	101.33	
170	112.54	120.48	
175	157.90	167.45	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	231.03	243.72	
185	328.06	345.26	
190	444.97	467.80	
195	577.70	607.04	
200	721.70	758.15	
205	871.72	915.60	
210	1021.85	1073.20	
215	1165.77	1224.28	
220	1297.03	1362.08	
225	1409.40	1480.06	
230	1497.32	1572.37	
235	1556.22	1634.20	
240	1582.87	1662.18	
245	1575.65	1654.60	
250	1534.66	1611.56	
255	1461.77	1535.04	
260	1360.47	1428.69	
265	1235.68	1297.68	
270	1093.40	1148.31	
275	940.30	987.60	
280	783.37	822.87	
285	629.48	661.37	
290	485.21	510.01	
295	356.83	375.41	
300	250.84	264.43	
305	175.16	185.41	
310	137.76	146.55	
315	133.61	142.24	
320	141.52	150.44	
325	145.58	154.65	
330	140.24	149.11	
335	125.37	133.72	
340	103.56	111.24	
345	79.71	86.93	
350	62.55	69.75	
355	62.81	70.00	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission