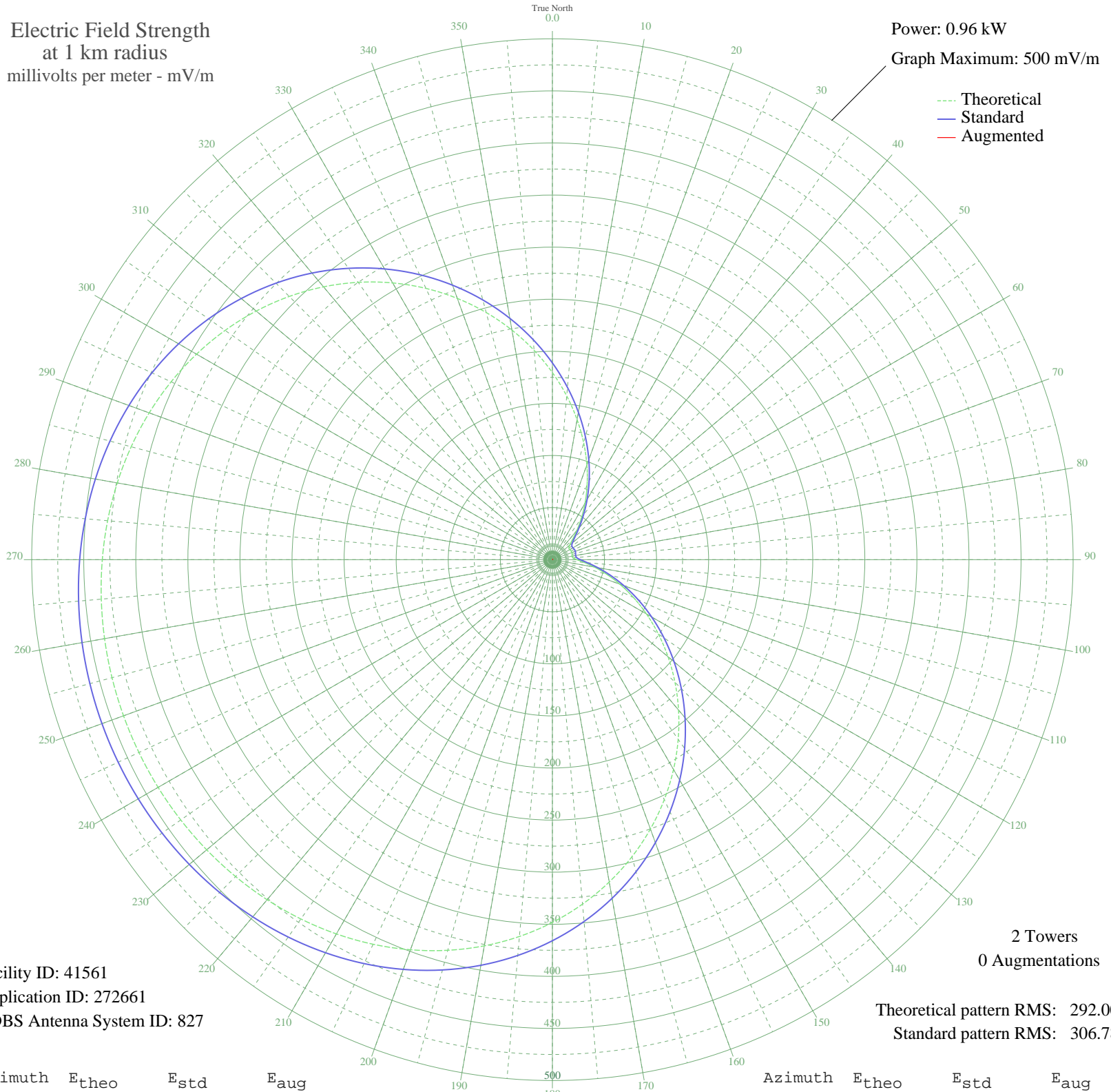


# KGGN GLADSTONE, MO BL-19980817AE 890 kHz

Daytime

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

Power: 0.96 kW  
Graph Maximum: 500 mV/m



Facility ID: 41561  
Application ID: 272661  
CDBS Antenna System ID: 827

Theoretical pattern RMS: 292.00  
Standard pattern RMS: 306.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	179.60	188.87	
5	157.77	165.99	
10	136.50	143.71	
15	116.07	122.33	
20	96.77	102.15	
25	78.86	83.47	
30	62.62	66.58	
35	48.34	51.84	
40	36.40	39.64	
45	27.30	30.53	
50	21.58	24.97	
55	19.27	22.80	
60	19.21	22.74	
65	19.78	23.27	
70	19.97	23.45	
75	19.56	23.07	
80	19.08	22.62	
85	19.83	23.32	
90	23.44	26.75	
95	30.56	33.77	
100	40.87	44.18	
105	53.80	57.45	
110	68.90	73.10	
115	85.84	90.74	
120	104.34	110.06	
125	124.12	130.75	
130	144.92	152.53	
135	166.45	175.08	
140	188.43	198.13	
145	210.57	221.34	
150	232.58	244.44	
155	254.20	267.12	
160	275.16	289.11	
165	295.24	310.18	
170	314.21	330.09	
175	331.93	348.68	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	348.25	365.82	
185	363.10	381.40	
190	376.42	395.38	
195	388.21	407.76	
200	398.50	418.56	
205	407.35	427.85	
210	414.85	435.71	
215	421.08	442.26	
220	426.17	447.60	
225	430.22	451.85	
230	433.34	455.13	
235	435.64	457.54	
240	437.19	459.16	
245	438.04	460.06	
250	438.23	460.26	
255	437.78	459.79	
260	436.65	458.61	
265	434.82	456.68	
270	432.20	453.93	
275	428.71	450.27	
280	424.26	445.60	
285	418.73	439.79	
290	412.01	432.73	
295	403.98	424.31	
300	394.57	414.43	
305	383.68	403.00	
310	371.28	389.98	
315	357.34	375.36	
320	341.90	359.15	
325	325.00	341.42	
330	306.77	322.28	
335	287.33	301.88	
340	266.87	280.41	
345	245.62	258.11	
350	223.81	235.23	
355	201.71	212.05	