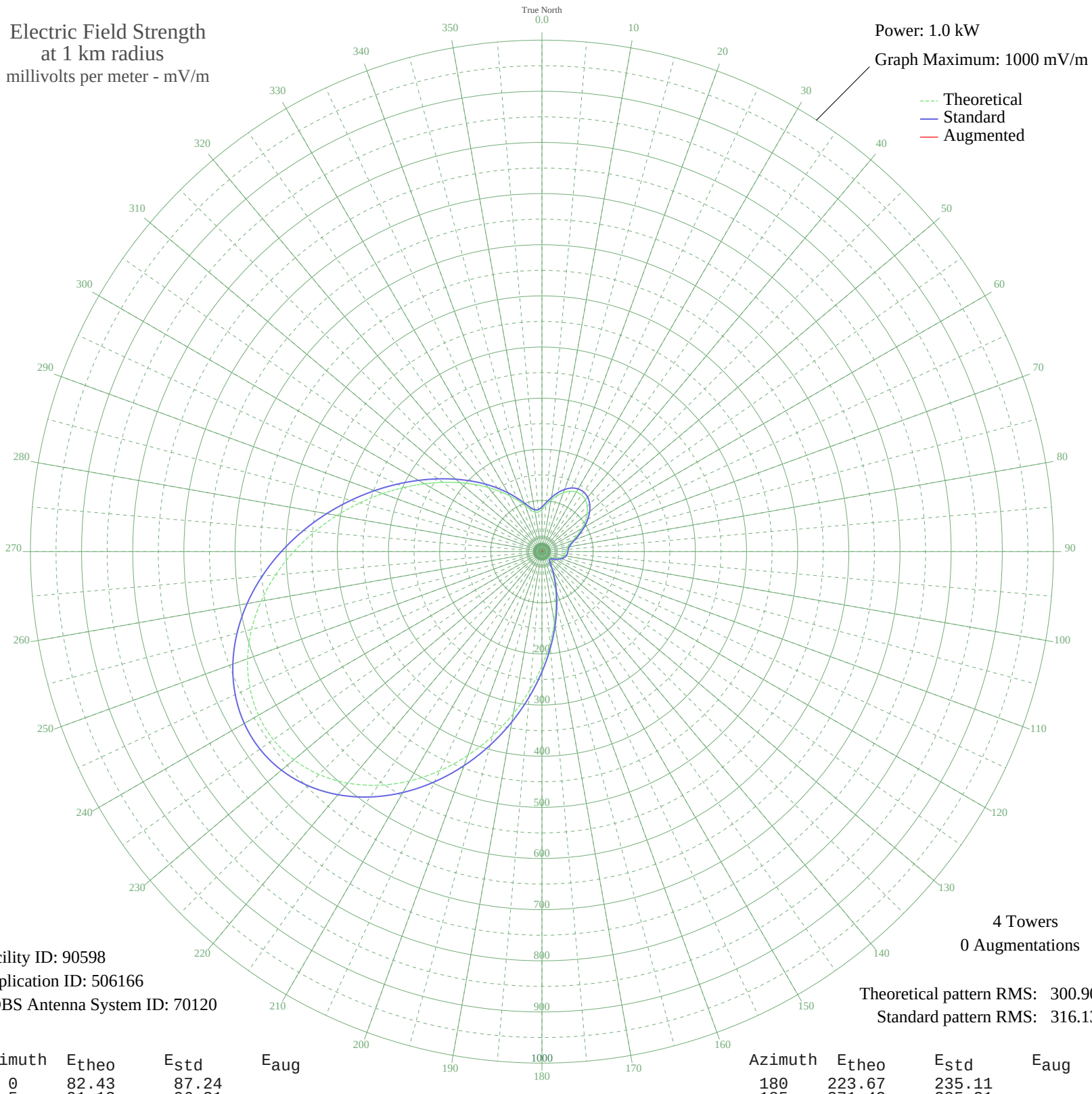
WXOZ HIGHLAND, IL BL-20000630ADS 1510 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 90598
Application ID: 506166
CDBS Antenna System ID: 70120

Theoretical pattern RMS: 300.90
Standard pattern RMS: 316.13

Azimuth	E_{theo}	E_{std}	E_{aug}
0	82.43	87.24	
5	91.13	96.31	
10	101.91	107.57	
15	112.93	119.08	
20	122.71	129.31	
25	130.14	137.08	
30	134.42	141.56	
35	135.08	142.25	
40	131.97	139.00	
45	125.26	131.98	
50	115.46	121.72	
55	103.34	109.06	
60	89.99	95.12	
65	76.68	81.25	
70	64.85	68.96	
75	55.82	59.63	
80	50.32	53.96	
85	47.90	51.47	
90	47.11	50.66	
95	46.38	49.91	
100	44.66	48.15	
105	41.53	44.96	
110	37.09	40.45	
115	31.77	35.10	
120	26.26	29.66	
125	21.39	24.99	
130	18.08	21.91	
135	17.24	21.15	
140	19.76	23.45	
145	26.44	29.84	
150	37.98	41.35	
155	54.89	58.67	
160	77.53	82.14	
165	105.99	111.83	
170	140.15	147.56	
175	179.60	188.90	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	223.67	235.11	
185	271.43	285.21	
190	321.67	337.93	
195	373.01	391.82	
200	423.90	445.23	
205	472.71	496.46	
210	517.79	543.79	
215	557.60	585.59	
220	590.78	620.41	
225	616.19	647.10	
230	633.06	664.80	
235	640.94	673.08	
240	639.82	671.90	
245	630.05	661.64	
250	612.34	643.05	
255	587.70	617.19	
260	557.38	585.36	
265	522.75	549.00	
270	485.23	509.61	
275	446.19	468.63	
280	406.90	427.38	
285	368.42	387.00	
290	331.60	348.36	
295	297.06	312.10	
300	265.13	278.60	
305	235.96	248.00	
310	209.49	220.23	
315	185.50	195.09	
320	163.75	172.28	
325	143.94	151.53	
330	125.92	132.67	
335	109.74	115.74	
340	95.80	101.18	
345	85.00	89.92	
350	78.64	83.29	
355	77.80	82.42	

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