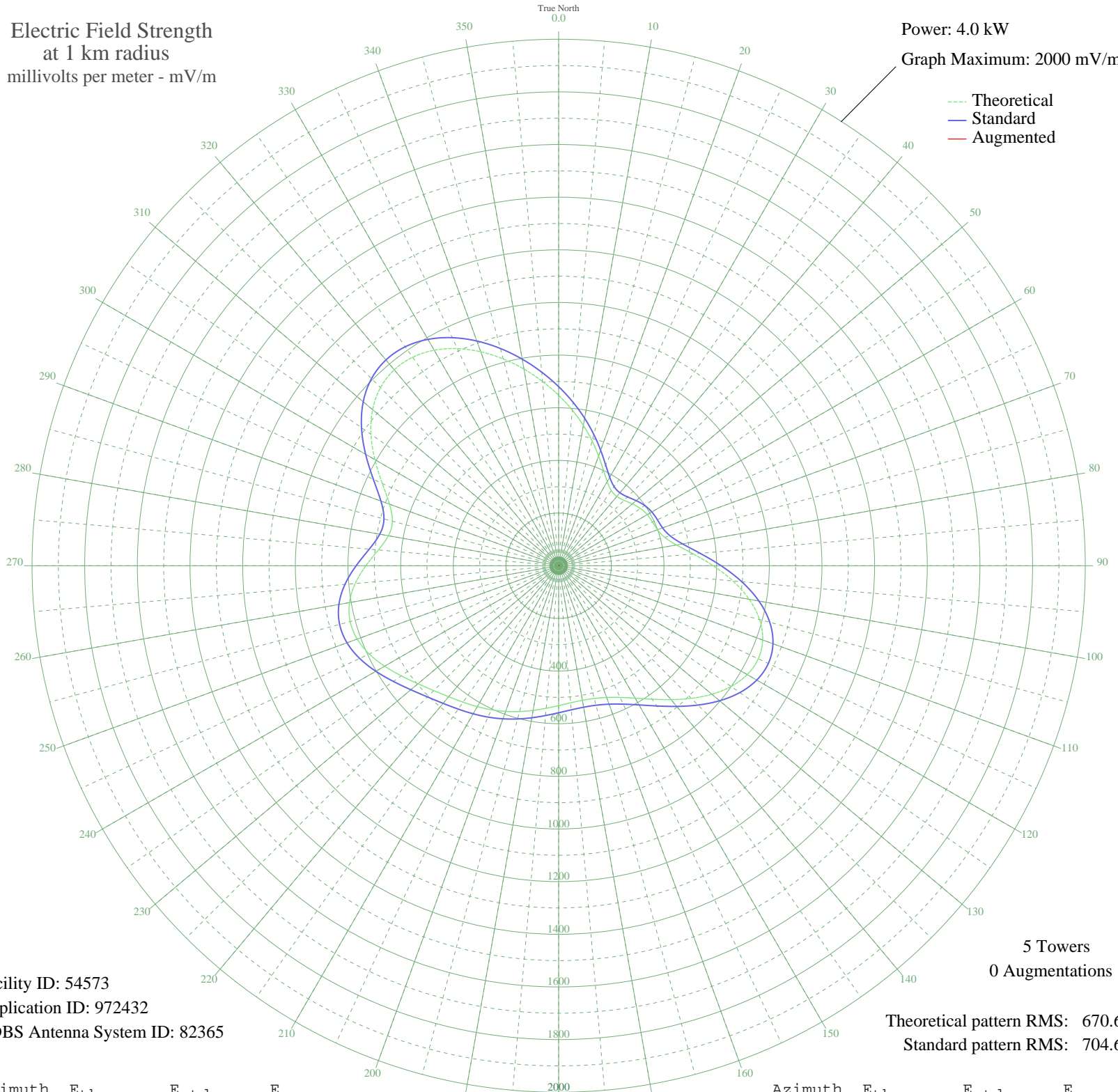


# WHOO WINTER PARK, FL BMJP-20040128AKY 1080 kHz

## Critical Hours

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

Power: 4.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 54573  
Application ID: 972432  
CDBS Antenna System ID: 82365

5 Towers  
0 Augmentations

Theoretical pattern RMS: 670.67  
Standard pattern RMS: 704.67

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	647.39	680.24	
5	593.48	623.67	
10	541.20	568.83	
15	490.91	516.09	
20	443.64	466.52	
25	401.67	422.53	
30	368.67	387.94	
35	348.68	367.00	
40	343.67	361.75	
45	351.27	369.71	
50	365.36	384.48	
55	379.15	398.92	
60	388.32	408.53	
65	393.15	413.60	
70	399.41	420.15	
75	416.89	438.48	
80	454.37	477.77	
85	513.34	539.61	
90	587.04	616.92	
95	664.54	698.23	
100	735.04	772.22	
105	790.13	830.02	
110	824.57	866.17	
115	836.49	878.68	
120	827.02	868.74	
125	799.67	840.04	
130	759.53	797.91	
135	712.39	748.45	
140	663.93	697.59	
145	618.95	650.40	
150	580.98	610.56	
155	551.98	580.14	
160	532.49	559.70	
165	521.95	548.64	
170	519.19	545.74	
175	522.79	549.52	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	531.35	558.50	
185	543.49	571.24	
190	557.91	586.36	
195	573.38	602.58	
200	588.85	618.82	
205	603.71	634.41	
210	618.01	649.41	
215	632.71	664.84	
220	649.61	682.56	
225	670.77	704.77	
230	697.55	732.87	
235	729.38	766.28	
240	763.17	801.74	
245	793.61	833.68	
250	814.38	855.48	
255	819.84	861.21	
260	806.70	847.42	
265	775.56	814.74	
270	732.06	769.09	
275	687.34	722.15	
280	656.58	689.88	
285	653.76	686.92	
290	683.71	718.34	
295	739.05	776.42	
300	805.75	846.42	
305	870.17	914.03	
310	922.44	968.90	
315	956.95	1005.12	
320	971.59	1020.49	
325	966.93	1015.60	
330	945.29	992.89	
335	910.02	955.86	
340	864.81	908.41	
345	813.25	854.30	
350	758.41	796.74	
355	702.62	738.20	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission