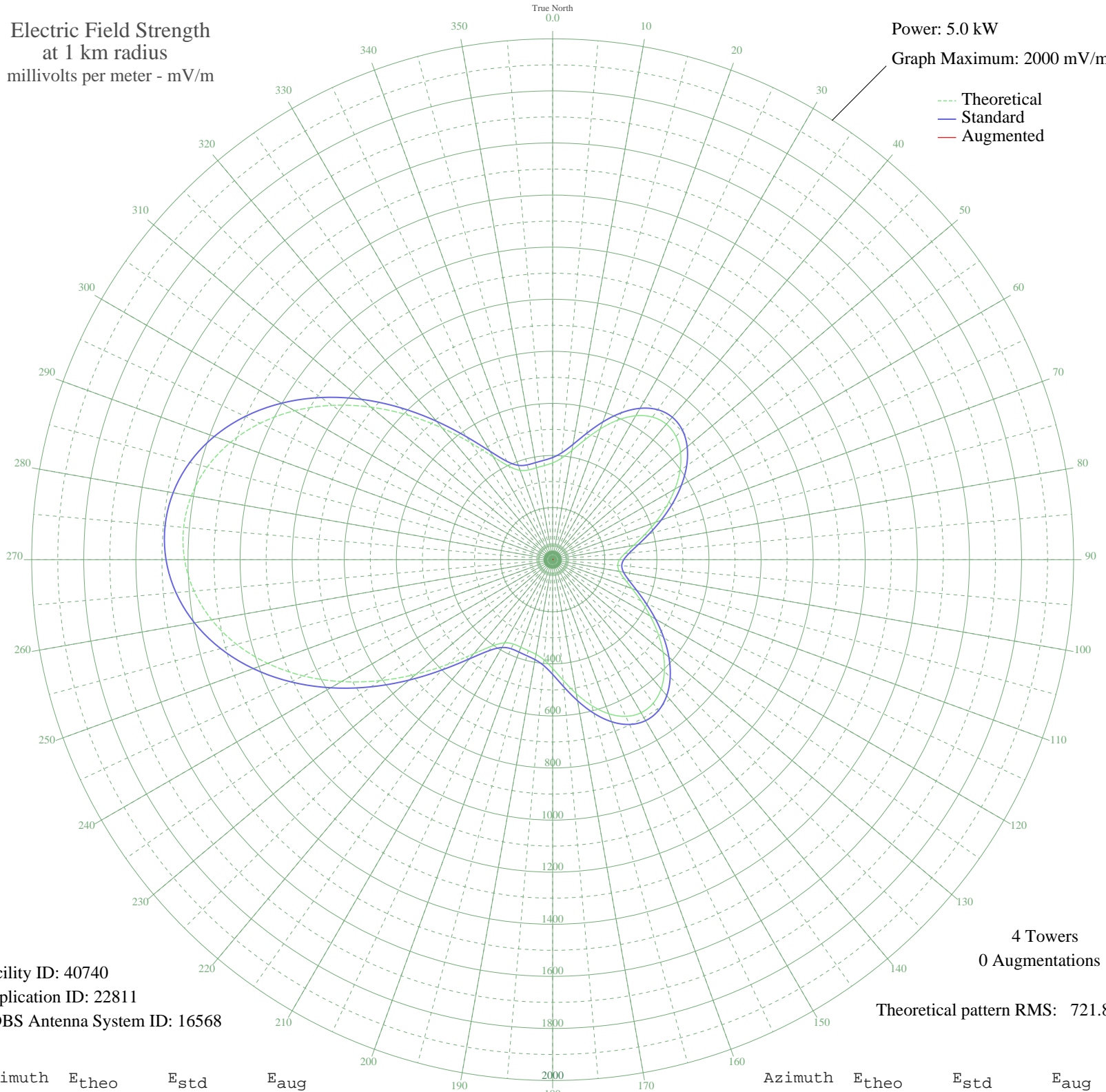


# WMCP COLUMBIA, TN BL-19800812AA 1280 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 40740  
Application ID: 22811  
CDBS Antenna System ID: 16568

4 Towers  
0 Augmentations

Theoretical pattern RMS: 721.84

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	371.61	392.29	
5	390.97	412.52	
10	426.09	449.23	
15	476.14	501.59	
20	534.26	562.43	
25	591.05	621.93	
30	637.88	671.00	
35	668.41	703.00	
40	679.19	714.30	
45	669.46	704.11	
50	640.87	674.14	
55	596.84	627.99	
60	541.95	570.49	
65	481.38	507.07	
70	420.33	443.20	
75	363.63	383.96	
80	315.46	333.71	
85	279.15	295.90	
90	257.08	272.96	
95	250.65	266.29	
100	260.27	276.27	
105	285.34	302.33	
110	324.24	342.86	
115	374.41	395.22	
120	432.34	455.76	
125	493.70	519.96	
130	553.55	582.64	
135	606.67	638.29	
140	647.96	681.56	
145	673.00	707.81	
150	678.69	713.77	
155	663.82	698.19	
160	629.65	662.38	
165	580.24	610.60	
170	522.43	550.05	
175	465.21	490.15	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	417.74	440.50	
185	385.94	407.26	
190	369.23	389.81	
195	361.67	381.91	
200	357.63	377.69	
205	357.34	377.39	
210	368.95	389.51	
215	404.68	426.84	
220	471.90	497.15	
225	568.03	597.81	
230	684.08	719.43	
235	809.84	851.29	
240	936.30	983.95	
245	1056.25	1109.81	
250	1164.20	1223.08	
255	1256.15	1319.58	
260	1329.35	1396.40	
265	1382.01	1451.67	
270	1413.07	1484.27	
275	1421.98	1493.63	
280	1408.61	1479.60	
285	1373.18	1442.40	
290	1316.30	1382.71	
295	1239.19	1301.78	
300	1143.78	1201.66	
305	1033.07	1085.48	
310	911.32	957.75	
315	784.37	824.58	
320	659.78	693.95	
325	546.88	575.65	
330	455.93	480.44	
335	395.11	416.84	
340	365.08	385.47	
345	356.81	376.83	
350	358.26	378.35	
355	362.78	383.07	

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.

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23 Oct 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission