

WHBC CANTON, OH BL-19990408DC 1480 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 4489
Application ID: 283672
CDBS Antenna System ID: 1978

5 Towers
0 Augmentations

Theoretical pattern RMS: 979.80
Standard pattern RMS: 1030.25

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2266.31	2380.25	
5	2263.01	2376.79	
10	2226.76	2338.74	
15	2157.89	2266.44	
20	2057.18	2160.73	
25	1926.15	2023.20	
30	1767.36	1856.53	
35	1584.76	1664.90	
40	1383.91	1454.14	
45	1172.03	1231.85	
50	957.71	1007.09	
55	750.44	789.87	
60	559.72	590.25	
65	394.13	417.45	
70	260.51	278.97	
75	163.50	180.21	
80	105.11	123.23	
85	80.65	100.88	
90	74.35	95.40	
95	72.74	94.02	
100	72.08	93.45	
105	72.13	93.49	
110	72.78	94.05	
115	74.80	95.78	
120	80.21	100.49	
125	90.42	109.63	
130	104.51	122.67	
135	120.06	137.47	
140	135.00	151.98	
145	148.53	165.31	
150	161.07	177.79	
155	173.55	190.30	
160	186.51	203.37	
165	199.55	216.58	
170	211.37	228.61	
175	220.30	237.72	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	224.89	242.42	
185	224.37	241.88	
190	218.82	236.21	
195	209.18	226.38	
200	196.99	213.98	
205	183.89	200.71	
210	171.02	187.76	
215	158.60	175.32	
220	145.93	162.74	
225	132.12	149.16	
230	116.95	134.48	
235	101.49	119.84	
240	88.00	107.44	
245	78.76	99.22	
250	74.20	95.26	
255	72.59	93.88	
260	72.07	93.44	
265	72.16	93.52	
270	72.96	94.20	
275	74.97	95.93	
280	83.49	103.39	
285	113.76	131.42	
290	179.82	196.61	
295	284.42	303.63	
300	424.88	449.48	
305	596.10	628.31	
310	790.87	832.22	
315	1000.32	1051.77	
320	1214.89	1276.81	
325	1425.22	1497.48	
330	1622.94	1704.97	
335	1801.17	1892.02	
340	1954.67	2053.14	
345	2079.81	2184.49	
350	2174.24	2283.61	
355	2236.63	2349.10	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission