

WNJE TRENTON, NJ BML-20100125AIP 920 kHz
Daytime

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

Power: 1.4 kW
Graph Maximum: 1000 mV/m

- Theoretical
- Standard
- Augmented

Facility ID: 25011
Application ID: 1354863
CDBS Antenna System ID: 110372

3 Towers
0 Augmentations

Theoretical pattern RMS: 388.34
Standard pattern RMS: 408.09

Azimuth	Etheo	Estd	Eaug
0	241.15	253.74	
5	218.64	230.16	
10	194.41	204.79	
15	170.02	179.28	
20	147.36	155.59	
25	128.53	135.95	
30	115.35	122.23	
35	108.36	114.96	
40	106.23	112.74	
45	106.39	112.91	
50	106.63	113.16	
55	106.23	112.75	
60	106.74	113.28	
65	111.96	118.70	
70	126.49	133.82	
75	152.70	161.18	
80	189.76	199.93	
85	235.10	247.40	
90	285.93	300.68	
95	339.72	357.08	
100	394.27	414.31	
105	447.73	470.41	
110	498.61	523.80	
115	545.73	573.25	
120	588.23	617.86	
125	625.54	657.02	
130	657.33	690.39	
135	683.45	717.81	
140	703.89	739.27	
145	718.71	754.82	
150	727.98	764.56	
155	731.79	768.55	
160	730.16	766.84	
165	723.08	759.41	
170	710.49	746.19	
175	692.31	727.11	

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 Sep 2023

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	668.46	702.08	
185	638.93	671.08	
190	603.80	634.20	
195	563.32	591.72	
200	517.97	544.11	
205	468.47	492.17	
210	415.88	436.98	
215	361.56	379.99	
220	307.22	323.00	
225	254.92	268.18	
230	207.06	218.04	
235	166.35	175.44	
240	135.56	143.28	
245	116.44	123.37	
250	107.99	114.58	
255	106.16	112.67	
260	106.52	113.04	
265	106.56	113.09	
270	106.17	112.68	
275	107.06	113.61	
280	111.84	118.58	
285	122.51	129.68	
290	139.25	147.13	
295	160.63	169.46	
300	184.58	194.50	
305	209.07	220.14	
310	232.44	244.61	
315	253.34	266.51	
320	270.78	284.79	
325	284.03	298.68	
330	292.59	307.66	
335	296.16	311.40	
340	294.62	309.79	
345	288.03	302.88	
350	276.61	290.91	
355	260.78	274.31	