

WFLA TAMPA, FL BL-19990916AAP 970 kHz
Daytime

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

Power: 25.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented

Facility ID: 29729
Application ID: 422032
CDBS Antenna System ID: 54433

4 Towers
2 Augmentations

Theoretical pattern RMS: 1627.00
Augmented pattern RMS: 1710.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	502.12	529.46	529.46
5	517.78	545.84	545.84
10	523.43	551.75	551.75
15	520.19	548.36	635.64
20	516.08	544.07	709.00
25	529.27	557.85	643.85
30	585.85	617.06	617.06
35	706.27	743.17	743.17
40	893.54	939.48	939.48
45	1137.80	1195.68	1195.68
50	1424.96	1496.99	1496.99
55	1740.12	1827.77	1827.77
60	2068.02	2171.96	2171.96
65	2393.15	2513.27	2513.27
70	2700.18	2835.60	2835.60
75	2974.66	3123.77	3123.77
80	3203.88	3364.42	3364.42
85	3377.59	3546.81	3546.81
90	3488.67	3663.43	3663.43
95	3533.42	3710.41	3710.41
100	3511.65	3687.55	3687.55
105	3426.43	3598.08	3598.08
110	3283.73	3448.26	3448.26
115	3091.78	3246.73	3246.73
120	2860.45	3003.86	3003.86
125	2600.63	2731.09	2731.09
130	2323.67	2440.33	2440.33
135	2040.91	2143.50	2143.50
140	1763.33	1852.13	1852.13
145	1501.31	1577.12	1577.12
150	1264.36	1328.47	1328.47
155	1060.75	1114.85	1114.85
160	896.61	942.69	942.69
165	774.32	814.49	814.49
170	690.83	727.00	727.00
175	637.72	671.37	671.37

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.

26 Oct 2021

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	604.69	636.78	639.12
185	584.33	615.47	681.84
190	575.45	606.17	726.57
195	583.17	614.25	696.36
200	615.67	648.28	657.27
205	678.43	714.01	714.01
210	770.08	810.04	810.04
215	882.85	928.27	928.27
220	1005.79	1057.20	1057.20
225	1127.42	1184.79	1184.79
230	1237.18	1299.95	1299.95
235	1326.29	1393.45	1393.45
240	1388.27	1458.49	1458.49
245	1419.39	1491.15	1491.15
250	1418.85	1490.58	1490.58
255	1388.73	1458.97	1458.97
260	1333.60	1401.12	1401.12
265	1259.84	1323.73	1323.73
270	1174.66	1234.35	1234.35
275	1085.01	1140.30	1140.30
280	996.58	1047.53	1047.53
285	913.11	960.00	960.00
290	836.28	879.43	879.43
295	766.03	805.80	805.80
300	701.47	738.15	738.15
305	641.64	675.47	675.47
310	586.14	617.36	617.36
315	535.41	564.28	564.28
320	490.82	517.65	517.65
325	454.49	479.68	479.68
330	428.97	453.03	453.03
335	416.51	440.03	440.03
340	417.92	441.50	441.50
345	431.66	455.84	455.84
350	453.86	479.03	479.03
355	479.21	505.52	505.52