EXHIBIT 1
TECHNICAL AND LPFM PRECLUSION STATEMENT
NEW FM TRANSLATOR, MILWAUKEE, WI, CH. 262D
FCC FORM 349
MARY MEDICUS
APRIL 2013

This Technical Statement and LPFM Preclusion Study is in support of an amendment to an FCC form 349 Auction 83 Short Form Application BNPFT-20030317HNT filed by Mary Medicus for a new FM translator station to serve Milwaukee, Wisconsin. This amendment will demonstrate Non-Preclusion of LPFM channels by the technical data noted herein and in the "Tech Box" in Section III-A. This amendment does specify a "minor change" of the technical parameters originally requested for a new translator on Channel 260D at Milwaukee, WI, by one step changing channels from 260D to 262D, a change of the proposed transmitter site location, and making changes to the proposed antenna system. These changes will remove any potential preclusion of new LPFM use in the Spectrum Limited Market of Milwaukee-Racine, Wisconsin (ARB #38).

## TECHNICAL PARAMETERS

The technical parameters specified in Section III-A "Tech Box" have been modified as mentioned above. They now specify operation on channel 262D with an Effective Radiated Power of 0.012 kilowatts (12 watts). Figure 1 is a detailed channel interference study conducted with the new modified "Tech Box" technical parameters. It shows that the new proposed operation will not overlap with any new or other "Auction 83" FM translator proposed facilities as required. Figure 2 shows that the amended proposal's 60dBμ (F50,50) contour is overlapped by the originally proposed 60dBu (F50,50) contour, therefore the proposed technical changes meet the minor-change requirements of 47 C.F.R. § Section 74.1233(a).

## LPFM PRECLUSION STUDY

The proposed facility is located within the Top-50 Spectrum Limited Market Grid of Milwaukee-Racine, Wisconsin. Figure 3 is an FCC Grid Tool study for the Milwaukee-Racine Market. It indicates that there are protected channel/point combinations in the market for LPFM operation on the proposed co-channel 262, first adjacent channel 261, and second adjacent channel 260. Other pertinent adjacent channels, 263, 264, 265, and I.F. channels 208 and 209 are not available for LPFM use in the grid area. Since there are some protected LPFM channel/point combinations for channels 262, 261 and 260 in the grid area, these channels were studied further to show compliance that this new proposal will not limit the use of these grid points for potential use by a new LPFM operation.

Figure 4 is an LPFM channel spacing study conducted from one of the protected LPFM channel points (#412) for channel 262. Its shows that the main limiting spacing factor for available LPFM grid point for this channel is a 56 kilometer radius from the operation of WPJP Port Washington, WI, facility ID 73051, on channel 261A. The proposed translator on channel 262D could preclude co-channel LPFM operation within a 26 kilometer radius according to LPFM channel spacing requirements under 73.807(d)(1) for translators operating with a 60 dBμ contour distance of 7.3 kilometers or less. The maximum 60 dBμ contour distance for the proposed translator is 5.84 kilometers in any azimuth. As can be seen, this 26 kilometer radius is completely contained inside of the protected WPJP 56 kilometer radius. Thus, it was concluded that the new proposed translator would not preclude any LPFM use within the grid area on channel 262.

Figure 5 is an LPFM channel spacing study conducted from one of the protected LPFM channel points (#344) for channel 261. Its shows that the main limiting spacing factor for

available LPFM grid point for this channel is a 67 kilometer radius from the operation of WPJP Port Washington, WI, facility ID 73051, on channel 261A. The proposed translator on channel 262D could preclude first adjacent channel LPFM operation within a 15 kilometer radius according to LPFM channel spacing requirements under 73.807(d)(1) for translators operating with a 60 dBμ contour distance of 7.3 kilometers or less. The maximum 60 dBμ contour distance for the proposed translator is 5.84 kilometers in any azimuth. As can be seen, this 15 kilometer radius is completely contained inside of the protected WPJP 67 kilometer radius. Thus, it was concluded that the new proposed translator would not preclude any LPFM use within the grid area on channel 261.

Figure 6 is an LPFM channel spacing study conducted from one of the protected LPFM channel points (#504) for channel 260. Its shows that the main limiting spacing factor for available LPFM grid point for this channel is a 56 kilometer radius from the operation of WPJP Port Washington, WI, facility ID 73051, on channel 261A. The proposed translator on channel 262D could preclude second adjacent channel LPFM operation within a 8 kilometer radius according to LPFM channel spacing requirements under 73.807(d)(1) for translators operating with a 60 dBμ contour distance of 7.3 kilometers or less. The maximum 60 dBμ contour distance for the proposed translator is 5.84 kilometers in any azimuth. As can be seen, this 8 kilometer radius is completely contained inside of the protected WPJP 56 kilometer radius. Thus, it was concluded that the new proposed translator would not preclude any LPFM use within the grid area on channel 260.

It was concluded that the proposed new FM translator station on channel 262D at Milwaukee, WI, would not preclude any potential new LPFM use.

FIGURE 1 - DETAILED CHANNEL INTEFERENCE STUDY
NEW FM TRANSLATOR, MILWAUKEE, WY, CH. 262D

REFERENCE CH# 262D - 100.3 MHz, Pwr= 0.012 kW DA, HAAT= 69.5 M, COR= 285 M DISPLAY DATES
43 09 18.0 N. Average Protected F(50-50)= 5.08 km DATA 04-03-13
87 58 57.0 W. Standard Directional SEARCH 04-03-13

| CH CALL / CITY | TYPE ANT / STATE | AZI <-- | DIST / FILE # | LAT / LNG | PWR(kW) / HAAT(M) | INT(km) / COR(M) | PRO(km) / LICENSEE | *IN* (Overlap in km) | *OUT* | |
|---|---|---|---|---|---|---|---|---|---|---|
| 264B WKKV-FM | LIC _CX | 187.9 | 39.25 | 42 48 18.0 | 50.000 | 6.1 | 65.8 | 28.1 | -26.9 | * * |
| Racine | WI | 7.8 | BMLH20100809CJO | 88 02 54.0 | 152 | 386 | Clear Channel Broadcasting | | | |
| 261A WPJP | LIC ZCN | 358.1 | 29.51 | 43 25 14.0 | 6.000 | 44.3 | 28.0 | -15.1 | 0.0 | |
| Port Washington | WI | 178.1 | BLH19970624KC | 87 59 40.0 | 97 | 349 | Starboard Media Foundation | | | |
| 262C2 WNCY-FM | LIC NCN | 352.2 | 123.68 | 44 15 27.0 | 45.000 | 131.9 | 47.7 | -9.0 | 73.0 | |
| Neenah-menasha | WI | 172.0 | BLH19950526KB | 88 11 41.0 | 149 | 377 | Midwest Communications, In | | | |
| 260D 649858 * | APP _C_ | 135.8 | 9.13 | 43 05 46.0 | 0.023 | 0.3 | 3.9 | 3.0 | 5.0 | * |
| Milwaukee | WI | 315.9 | BNPFT20030317HNT | 87 54 15.0 | 36 | 234 | Mary Medicus | | | |
| 260D 644700 | APP _C_ | 158.0 | 12.78 | 43 02 54.0 | 0.250 | 1.1 | 7.1 | 6.1 | 5.5 | |
| Milwaukee | WI | 338.1 | BNPFT20030317ANI | 87 55 25.0 | 14 | 218 | R & L Non-comm | | | |
| 260D 651908 | APP _C_ | 196.1 | 12.59 | 43 02 46.0 | 0.120 | 0.8 | 5.9 | 7.2 | 6.5 | |
| Oak Creek | WI | 16.1 | BNPFT20030317MLE | 88 01 32.0 | 6 | 237 | Sister Grace, Inc. | | | |
| 262B WILV | LIC _CX | 168.0 | 142.62 | 41 53 56.0 | 5.700 | 127.8 | 66.1 | 9.4 | 51.3 | |
| Chicago | IL | 348.2 | BLH20030702AAW | 87 37 23.0 | 425 | 606 | Chicago Fcc License Sub, L | | | |
| 259D W259AO | LIC _C_ | 17.8 | 25.94 | 43 22 38.0 | 0.019 | 0.3 | 6.4 | 24.5 | 19.1 | |
| Port Washington | WI | 197.9 | BLFT20070730ABB | 87 53 03.0 | 79 | 293 | Lakeshore Communications, | | | |
| 263D W263BQ | CP _C_ | 14.3 | 70.05 | 43 45 56.0 | 0.150 | 12.2 | 8.5 | 56.8 | 59.9 | |
| Sheboygan | WI | 194.5 | BPFT20120725AEP | 87 45 59.0 | | 266 | Wrvm, Inc. | | | |
| 263D W263BQ | LIC _C_ | 14.3 | 70.05 | 43 45 56.0 | 0.080 | 7.6 | 5.3 | 61.4 | 62.6 | |
| Sheboygan | WI | 194.5 | BLFT20070330ASR | 87 45 59.0 | 36 | 240 | Wrvm, Inc. | | | |
| 260B1 WJVL | LIC _CN | 244.3 | 107.78 | 42 43 47.0 | 11.000 | 4.0 | 45.8 | 101.3 | 61.8 | |
| Janesville | WI | 63.5 | BLH19891018KB | 89 10 10.0 | 153 | 427 | Southern Wisconsin Broadca | | | |
| 264D 632224 | APP _C_ | 330.9 | 76.89 | 43 45 30.0 | 0.120 | 0.8 | 5.9 | 75.4 | 71.0 | |
| Fond Du Lac | WI | 150.6 | BNPFT20030314AUK | 88 26 53.0 | -5 | 269 | Lakeshore Communications, | | | |
| 264D 1547255 | APP _C_ | 331.5 | 86.00 | 43 50 01.0 | 0.065 | 0.6 | 6.0 | 84.7 | 80.0 | |
| Fond Du Lac | WI | 151.1 | BNPFT20130325ABN | 88 29 39.0 | | 288 | Lakeshore Communications, | | | |
| 263A WTLX | LIC _CX | 269.3 | 115.24 | 43 08 04.0 | 6.000 | 32.4 | 21.9 | 81.5 | 91.2 | |
| Monona | WI | 88.4 | BLH20090306ABX | 89 23 56.0 | 55 | 338 | Good Karma Broadcasting, L | | | |
| 261A WDDC | LIC NCN | 290.0 | 124.76 | 43 31 42.0 | 3.100 | 40.4 | 26.5 | 83.7 | 96.8 | |
| Portage | WI | 109.0 | BLH19990329KG | 89 26 01.0 | 114 | 367 | Magnum Communications, Inc | | | |
| 260D W260BL | LIC _C_ | 176.3 | 91.95 | 42 19 44.0 | 0.010 | 0.2 | 5.6 | 86.4 | 86.0 | |
| Waukegan | IL | 356.4 | BLFT20071026ACO | 87 54 38.0 | 91 | 303 | Calvary Radio Network, Inc | | | |
| 262D 631849 | APP DC_ | 265.5 | 126.85 | 43 03 21.0 | 0.055 | 32.4 | 9.7 | 92.9 | 114.7 | |
| Madison | WI | 84.5 | BNPFT20030314CBQ | 89 32 06.0 | 111 | 411 | Capstar Tx Limited Partner | | | |
| 262D 632625 | APP _C_ | 265.1 | 123.01 | 43 03 03.0 | 0.027 | 23.4 | 7.0 | 98.0 | 113.9 | |
| Middleton Junction | WI | 84.1 | BNPFT20030310ATQ | 89 29 13.0 | 60 | 355 | Vcy America, Inc. | | | |
| 261A WVIB | LIC DCX | 82.6 | 149.52 | 43 18 50.0 | 2.900 | 43.5 | 28.6 | 101.6 | 116.4 | |
| Holton | MI | 263.8 | BLH20041118ACA | 86 09 17.0 | 144 | 346 | Radio License Holding Cbc, | | | |
| 263D W263BJ | LIC _C_ | 220.9 | 121.98 | 42 19 21.0 | 0.230 | 15.2 | 10.8 | 103.2 | 108.5 | |
| Loves Park | IL | 40.3 | BLFT20111121ENA | 88 57 14.0 | | 355 | Maverick Media Of Rockford | | | |
| 265A WQFL | LIC ZC_ | 222.6 | 125.12 | 42 19 20.0 | 2.700 | 1.7 | 20.6 | 119.9 | 103.5 | |
| Rockford | IL | 41.9 | BMLED20110421ABV | 89 00 41.0 | 149 | 396 | Educational Media Foundati | | | |
| 262B1 WCCI | LIC NCN | 237.9 | 210.43 | 42 07 47.0 | 9.600 | 102.4 | 44.2 | 105.3 | 162.9 | |
| Savanna | IL | 56.4 | BLH19901204KG | 90 08 24.0 | 157 | 374 | Carroll County Communicati | | | |
| 264D W264BE | LIC _C_ | 15.9 | 113.91 | 44 08 25.0 | 0.080 | 0.6 | 7.5 | 112.2 | 106.4 | |
| Manitowoc | WI | 196.1 | BLFT20070514AFP | 87 35 31.0 | 48 | 237 | Wrvm, Inc. | | | |
| 264D W264BK | LIC DV_ | 325.3 | 112.90 | 43 59 11.0 | 0.250 | 0.1 | 2.2 | 112.1 | 108.6 | |
| Waukau | WI | 144.7 | BLFT20091116AAN | 88 47 10.0 | 22 | 271 | Wrvm, Inc. | | | |
| 264D 634479 | APP _C_ | 266.1 | 116.28 | 43 04 34.0 | 0.018 | 0.3 | 3.9 | 114.4 | 112.1 | |
| Madison | WI | 85.2 | BNPFT20030314AYX | 89 24 26.0 | 23 | 308 | Board Of Regents Of The Un | | | |

| CH CALL / CITY | TYPE ANT / STATE | AZI <-- | DIST / FILE # | LAT / LNG | PWR(kW) / HAAT(M) | INT(km) / COR(M) | PRO(km) / LICENSEE | *IN* (Overlap in km) | *OUT* |
|---|---|---|---|---|---|---|---|---|---|
| 264D 650359 | APP _V_ | 265.1 | 122.25 | 43 03 08.0 | 0.050 | 0.5 | 7.6 | 120.1 | 114.4 |
| Madison | WI | 84.1 | BNPFT20030317LFW | 89 28 40.0 | 49 | 344 | Carl Tutera | | |
| 259C2 WZDR | LIC _CN | 9.7 | 166.96 | 44 38 08.0 | 46.000 | 5.7 | 50.4 | 160.4 | 115.9 |
| Sturgeon Bay | WI | 189.9 | BLH19910211KD | 87 37 37.0 | 156 | 373 | Midwest Communications In | | |
| 264D 648346 | APP _C_ | 346.0 | 126.64 | 44 15 37.0 | 0.010 | 0.2 | 6.8 | 125.7 | 119.8 |
| Appleton | WI | 165.8 | BNPFT20030317MNJ | 88 21 59.6 | 139 | 370 | Edgewater Broadcasting, In | | |
| 264D 1546033 | APP _C_ | 346.4 | 125.84 | 44 15 19.0 | 0.027 | 0.4 | 4.9 | 124.7 | 120.3 |
| Appleton | WI | 166.2 | BNPFT20130318ADX | 88 21 11.0 | | 286 | Edgewater Broadcasting, In | | |
| 263A AU7058386 | VAC ___ | 56.1 | 168.59 | 43 59 10.0 | 6.000 | 43.8 | 28.4 | 121.5 | 138.6 |
| Custer | MI | 237.3 | RM10320 | 86 14 11.0 | 100 | 309 | Mason County Broadcasting | | |
| 263A R14902 | DEL ___ | 56.1 | 168.59 | 43 59 10.0 | 6.000 | 43.8 | 28.4 | 121.5 | 138.6 |
| Custer | MI | 237.3 | | 86 14 11.0 | 100 | 309 | Roy E. Henderson | | |
| 260B WHFB-FM | LIC NCN | 134.2 | 188.50 | 41 57 42.0 | 50.000 | 5.8 | 64.2 | 176.9 | 123.5 |
| Benton Harbor | MI | 315.3 | BLH19990210KC | 86 21 02.0 | 124 | 337 | Douglas Road Radio, Inc. | | |
| 263L1 WEEH-LP | LIC ___ | 64.8 | 138.91 | 43 40 29.0 | 0.060 | 9.9 | 7.0 | 125.5 | 129.9 |
| Hart | MI | 245.9 | BMLL20070904AIE | 86 25 21.0 | 39 | 257 | Oceana Broadcasters, Inc | | |
| 260A R14902 | ADD ___ | 55.2 | 161.50 | 43 58 16.0 | 6.000 | 2.9 | 29.8 | 155.5 | 131.7 |
| Custer | MI | 236.3 | | 86 19 42.0 | 100 | 302 | Roy E. Henderson | | |
| 263A WTRV | LIC _CX | 94.1 | 183.25 | 43 00 59.0 | 3.000 | 39.5 | 25.9 | 138.8 | 151.3 |
| Walker | MI | 275.6 | BLH20060602AAJ | 85 44 24.0 | 100 | 320 | Townsquare Media Of Grand | | |
| 260B WCPQ | LIC _C_ | 176.4 | 206.32 | 41 18 04.0 | 50.000 | 5.8 | 63.6 | 195.2 | 142.3 |
| Park Forest | IL | 356.5 | BMLH20010511ABE | 87 49 35.0 | 150 | 359 | Wclr, Inc. | | |

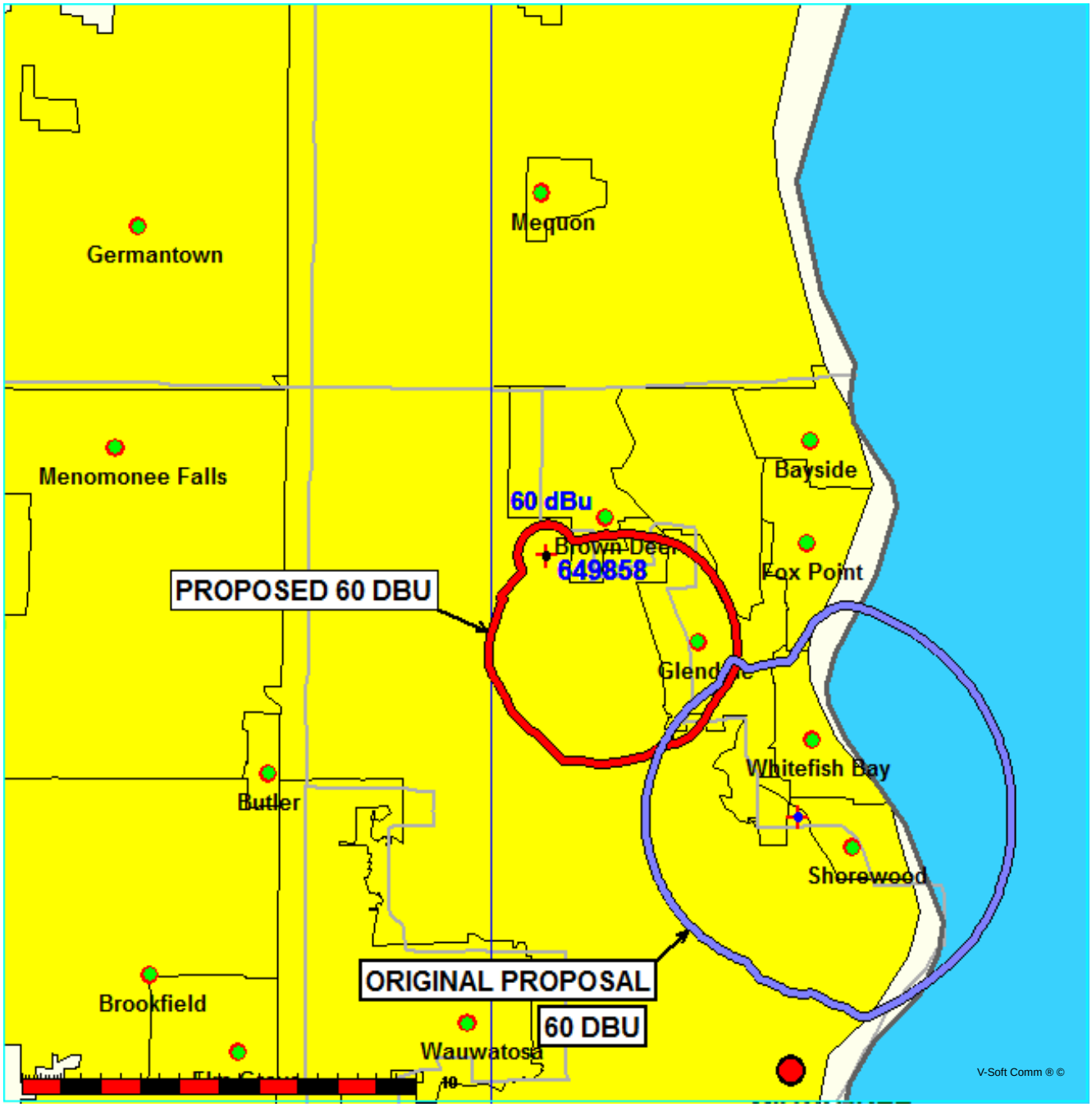
Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

* Pending short form application being amended by this application.

** No actual interference will be caused to WKKV-FM since the proposed interference contour will not cover any population. This will be further documented if and when a Long Form 349 application is filed for this proposal.

FIGURE 2 - 60 DBU OVERLAP WITH ORIGINAL PROPOSAL
NEW FM TRANSLATOR, MILWAUKEE, WY, CH. 262D

Coverage Study - NGDC 30 SEC
04-03-2013



MICRO_MILWAUKEEWI03271006

FIGURE 3 - FCC GRID TOOL

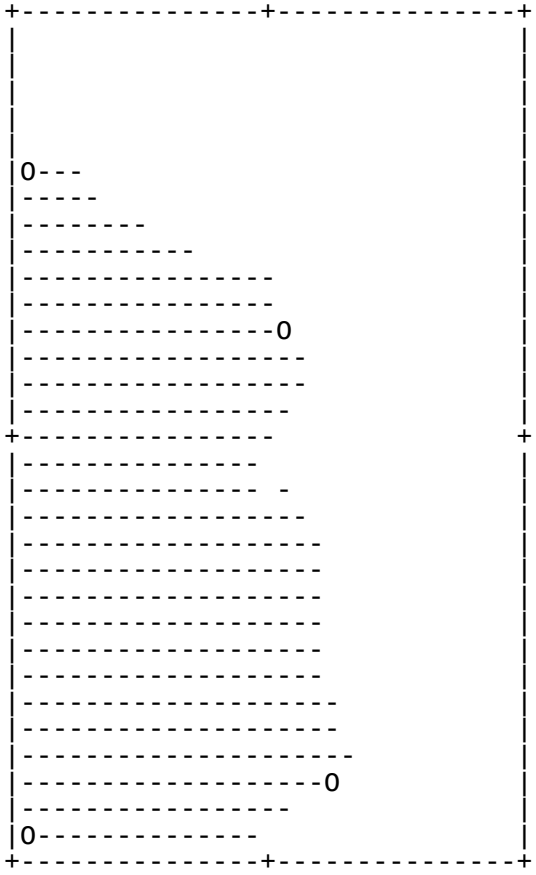
Milwaukee-RaCINE, WI
Latitude  43-02-20
Longitude 087-54-23
Grid Size 31 x 31
Micro FM 100 Watts at 30m HAAT
Co-Channel and 1st Adjacent Protected
2nd Adjacent Channel Not Protected
3rd Adjacent Channel Not Protected
I.F. Not Protected
TV Channel 6 Protected
CP Records Protected
APP Records Protected
FM Translators Protected
TV Channel 6 Translators/LP Protected
Auc83 FX App Records Not Protected

| Chan | Avail | Chan | Avail | Chan | Avail | Chan | Avail | Chan | Avail |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 0 | 220 | 0 | 240 | 0 | 260 | 65 | 280 | 0 |
| 201 | 0 | 221 | 0 | 241 | 171 | 261 | 40 | 281 | 486 |
| 202 | 0 | 222 | 0 | 242 | 0 | 262 | 64 | 282 | 322 |
| 203 | 39 | 223 | 0 | 243 | 0 | 263 | 0 | 283 | 0 |
| 204 | 0 | 224 | 0 | 244 | 0 | 264 | 0 | 284 | 0 |
| 205 | 0 | 225 | 555 | 245 | 0 | 265 | 0 | 285 | 0 |
| 206 | 0 | 226 | 0 | 246 | 0 | 266 | 398 | 286 | 0 |
| 207 | 155 | 227 | 0 | 247 | 0 | 267 | 555 | 287 | 0 |
| 208 | 0 | 228 | 0 | 248 | 0 | 268 | 555 | 288 | 0 |
| 209 | 0 | 229 | 152 | 249 | 19 | 269 | 555 | 289 | 523 |
| 210 | 0 | 230 | 0 | 250 | 0 | 270 | 0 | 290 | 0 |
| 211 | 369 | 231 | 0 | 251 | 0 | 271 | 0 | 291 | 0 |
| 212 | 435 | 232 | 0 | 252 | 0 | 272 | 0 | 292 | 0 |
| 213 | 0 | 233 | 0 | 253 | 0 | 273 | 1 | 293 | 35 |
| 214 | 0 | 234 | 0 | 254 | 135 | 274 | 0 | 294 | 0 |
| 215 | 0 | 235 | 0 | 255 | 0 | 275 | 0 | 295 | 0 |
| 216 | 24 | 236 | 0 | 256 | 0 | 276 | 0 | 296 | 0 |
| 217 | 29 | 237 | 0 | 257 | 0 | 277 | 555 | 297 | 0 |
| 218 | 0 | 238 | 0 | 258 | 313 | 278 | 0 | 298 | 0 |
| 219 | 0 | 239 | 0 | 259 | 422 | 279 | 0 | 299 | 0 |
| | | | | | | | | 300 | 0 |

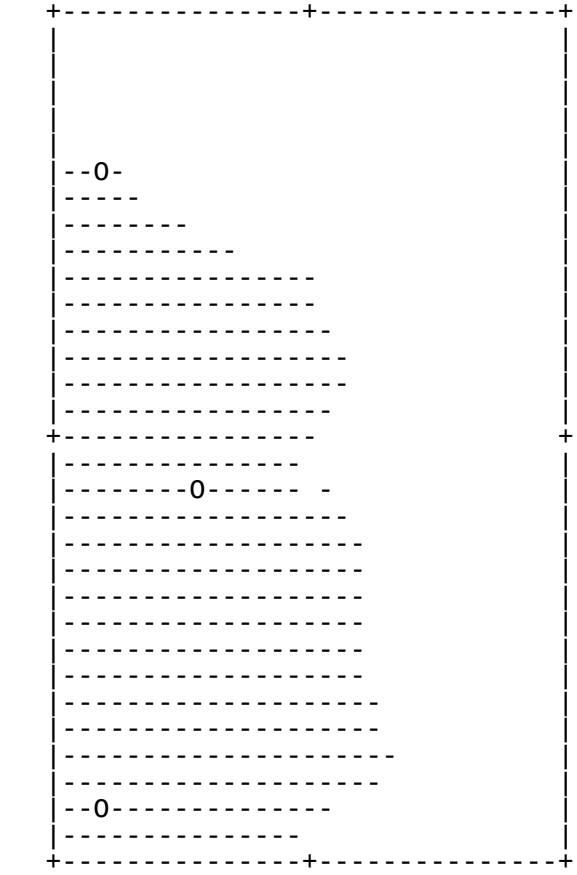
| | |
|---|---|
| Total | 6972 |

MICRO_MILWAUKEEWI03271006

Milwaukee, WI
Latitude  43-02-20
Longitude 087-54-23
Least preclusive siting
Availability of Channel 259 (X)



Milwaukee, WI
Latitude  43-02-20
Longitude 087-54-23
Most  preclusive siting
Availability of Channel 259 (X)

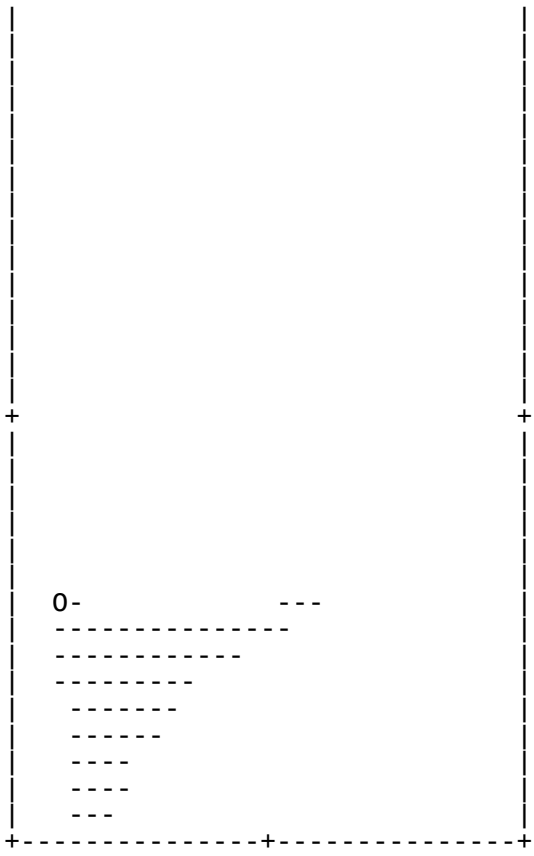


Point #931 at 42-47-20 088-09-23
Point #344 at 42-49-20 087-50-23
Point #956 at 43-12-20 088-09-23
Point #454 at 43-06-20 087-53-23

Point #696 at 43-00-20 088-01-23
Point #870 at 42-48-20 088-07-23
Point #894 at 43-12-20 088-07-23

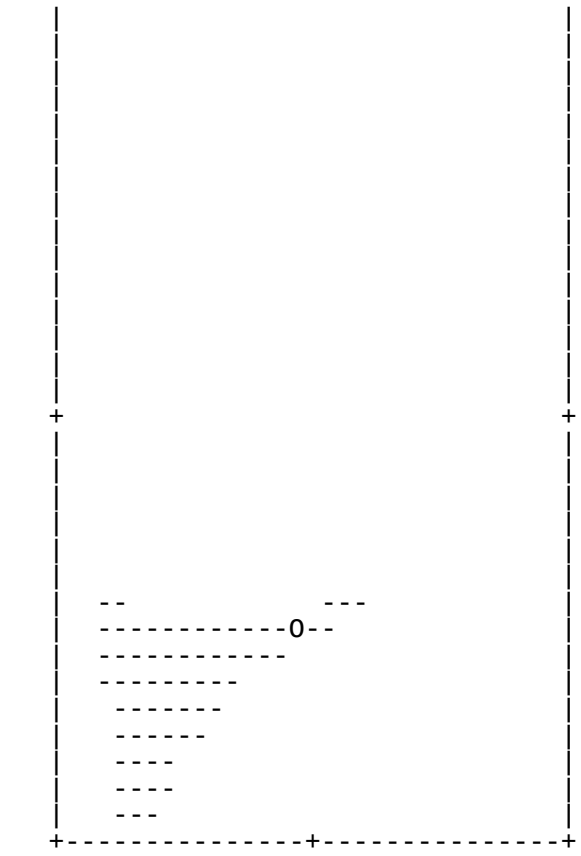
MICRO_MILWAUKEEWI03271006

Milwaukee, WI
Latitude 43-02-20
Longitude 087-54-23
Least preclusive siting
Availability of Channel 260 (X)



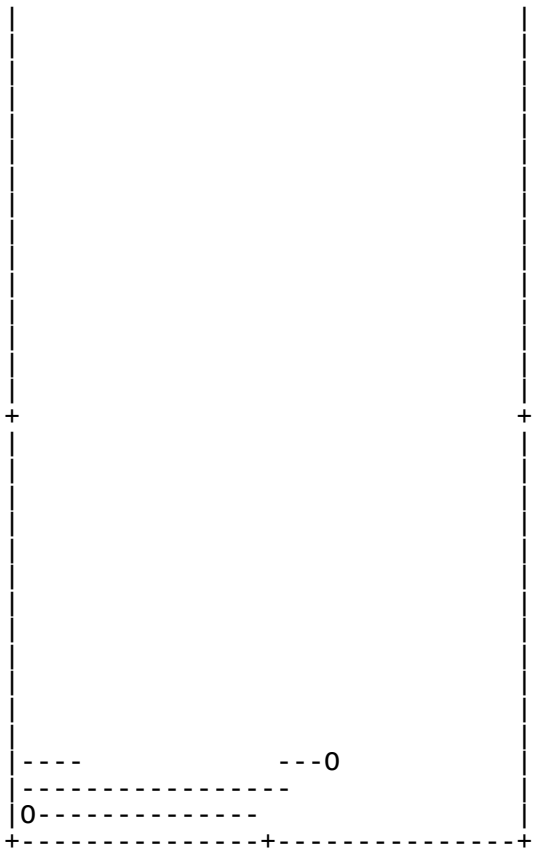
Point #877 at 42-55-20 088-07-23

Milwaukee, WI
Latitude 43-02-20
Longitude 087-54-23
Most preclusive siting
Availability of Channel 260 (X)

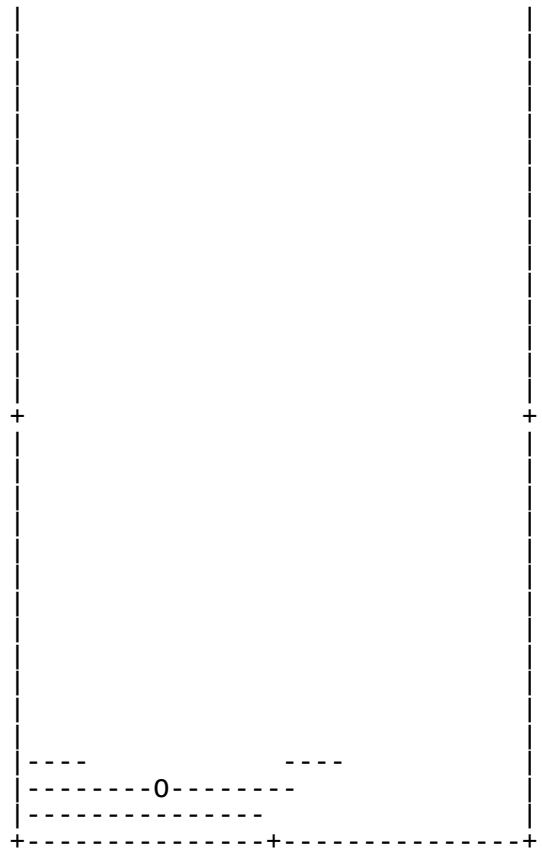


Point #504 at 42-54-20 087-55-23

Milwaukee, WI
Latitude 43-02-20
Longitude 087-54-23
Least preclusive siting
Availability of Channel 261 (X)



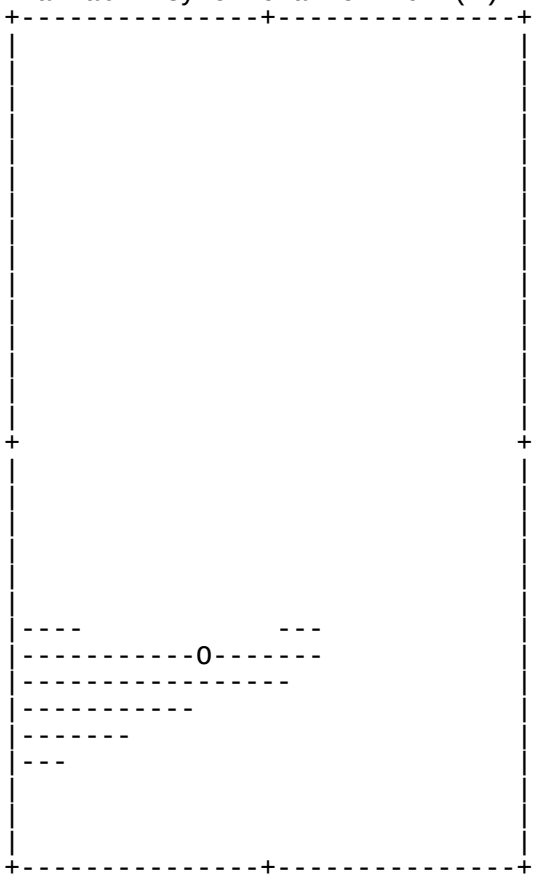
Milwaukee, WI
Latitude 43-02-20
Longitude 087-54-23
Most preclusive siting
Availability of Channel 261 (X)



Point #344 at 42-49-20 087-50-23
Point #931 at 42-47-20 088-09-23

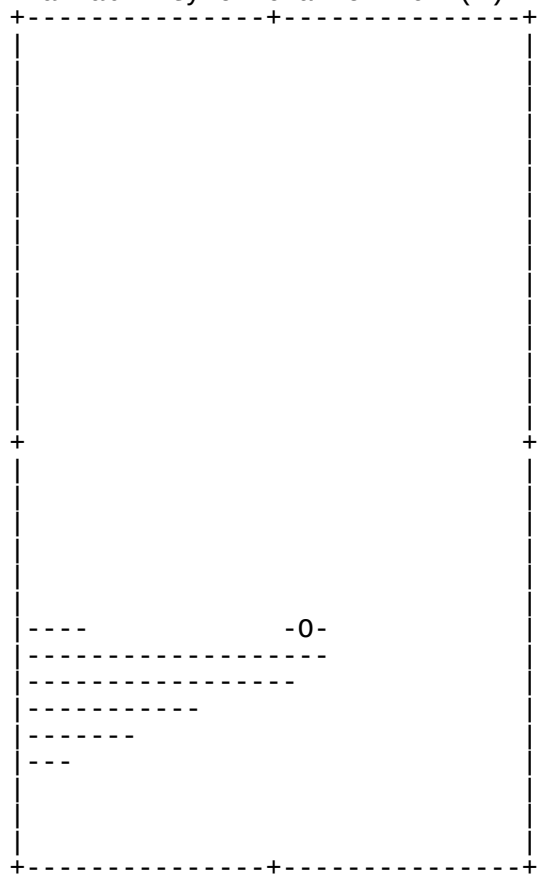
Point #684 at 42-48-20 088-01-23

Milwaukee, WI
Latitude  43-02-20
Longitude 087-54-23
Least preclusive siting
Availability of Channel 262 (X)



Point #597 at 42-54-20 087-58-23

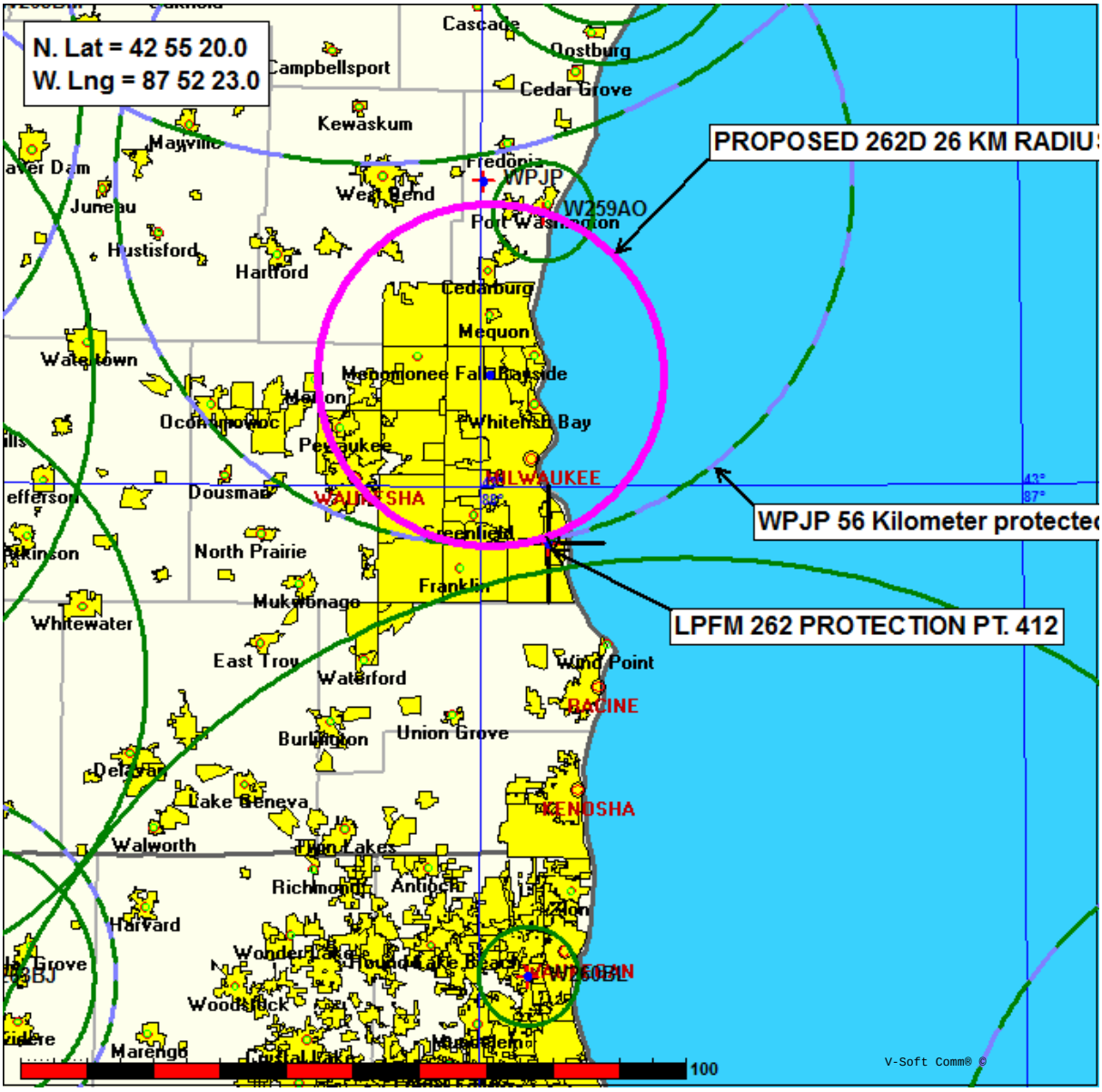
Milwaukee, WI
Latitude  43-02-20
Longitude 087-54-23
Most  preclusive siting
Availability of Channel 262 (X)



Point #412 at 42-55-20 087-52-23

# CH 262 L1 100.3 MHz

Current Spacings to 3rd Adj.
Figure 4 - LPFM CHANNEL SPACING STUDY - CH. 262
LPFM PROTECTION POINT #412




Data Date:04-03-13 Job Date:04-03-13

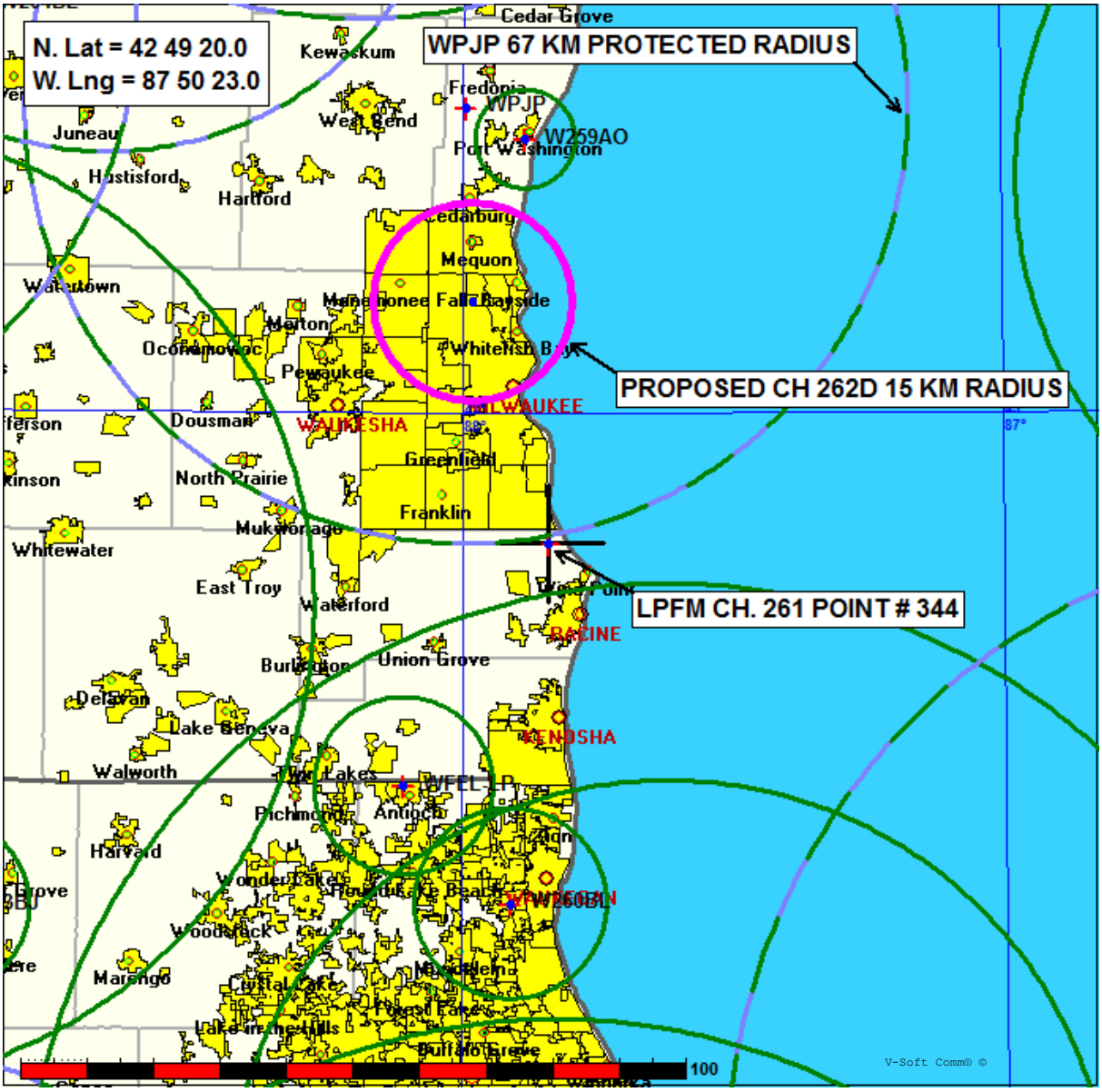
| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| WPJP | 261A | LIC-Z | Port Washington | WI | 350.0 | 56.23 | 56.0 | 0.7 |
| WILV | 262B | LIC | Chicago | IL | 169.7 | 115.51 | 112.0 | 4.0 |
| W259AO | 259D | LIC | Port Washington | WI | 359.0 | 50.55 | 8.0 | 43.1 |
| W260BL | 260D | LIC | Waukegan | IL | 182.7 | 65.98 | 8.0 | 58.5 |
| WNCY-FM | 262C2 | LIC-N | Neenah-menasha | WI | 350.2 | 150.61 | 91.0 | 60.1 |
| WJVL | 260B1 | LIC | Janesville | WI | 259.0 | 108.14 | 46.0 | 62.6 |
| WTLX | 263A | LIC | Monona | WI | 281.3 | 126.57 | 56.0 | 71.1 |
| W263BQ.C | 263D | CP | Sheboygan | WI | 5.2 | 94.09 | 21.0 | 73.6 |
| W263BQ | 263D | LIC | Sheboygan | WI | 5.2 | 94.09 | 15.0 | 79.6 |
| WQFL | 265A | LIC-Z | Rockford | IL | 234.8 | 114.73 | 29.0 | 86.2 |
| WDDC | 261A | LIC-N | Portage | WI | 298.6 | 143.55 | 56.0 | 88.1 |
| W263BJ | 263D | LIC | Loves Park | IL | 233.3 | 110.90 | 21.0 | 90.4 |
| WVIB | 261A | LIC-D | Holton | MI | 72.1 | 146.46 | 56.0 | 91.0 |
| WHFB-FM | 260B | LIC-N | Benton Harbor | MI | 130.0 | 164.54 | 67.0 | 98.0 |
| W264BF.C | 264D | CP -D | Englewood | IL | 170.4 | 117.52 | 14.0 | 104.0 |
| W264BF | 264D | LIC | Englewood | IL | 170.4 | 117.52 | 8.0 | 110.0 |
| W263BM.C | 263D | CP | De Kalb | IL | 213.7 | 131.00 | 21.0 | 110.5 |

| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| WCPQ | 260B | LIC | Park Forest | IL | 178.8 | 180.10 | 67.0 | 113.6 |
| WTRV | 263A | LIC | Walker | MI | 85.8 | 174.33 | 56.0 | 118.8 |
| WCCI | 262B1 | LIC-N | Savanna | IL | 245.4 | 206.02 | 87.0 | 119.5 |
| R14902 | 263A | DEL | Custer | MI | 47.6 | 177.53 | 56.0 | 122.0 |
| AU7058386 | 263A | VAC | Custer | MI | 47.6 | 177.53 | 56.0 | 122.0 |
| WGLC-FM | 261A | LIC-Z | Mendota | IL | 213.8 | 184.45 | 56.0 | 129.0 |
| W264BE | 264D | LIC | Manitowoc | WI | 9.4 | 137.22 | 8.0 | 129.7 |
| W264BE | 264D | LIC | Manitowoc | WI | 9.4 | 137.22 | 8.0 | 129.7 |

All separation margins include rounding

# CH 261 L1 100.1 MHz

Current Spacings to 3rd Adj.
Figure 5 - LPFM CHANNEL SPACING STUDY - CH. 261
LPFM PROTECTION POINT #344




Data Date:04-03-13 Job Date:04-03-13

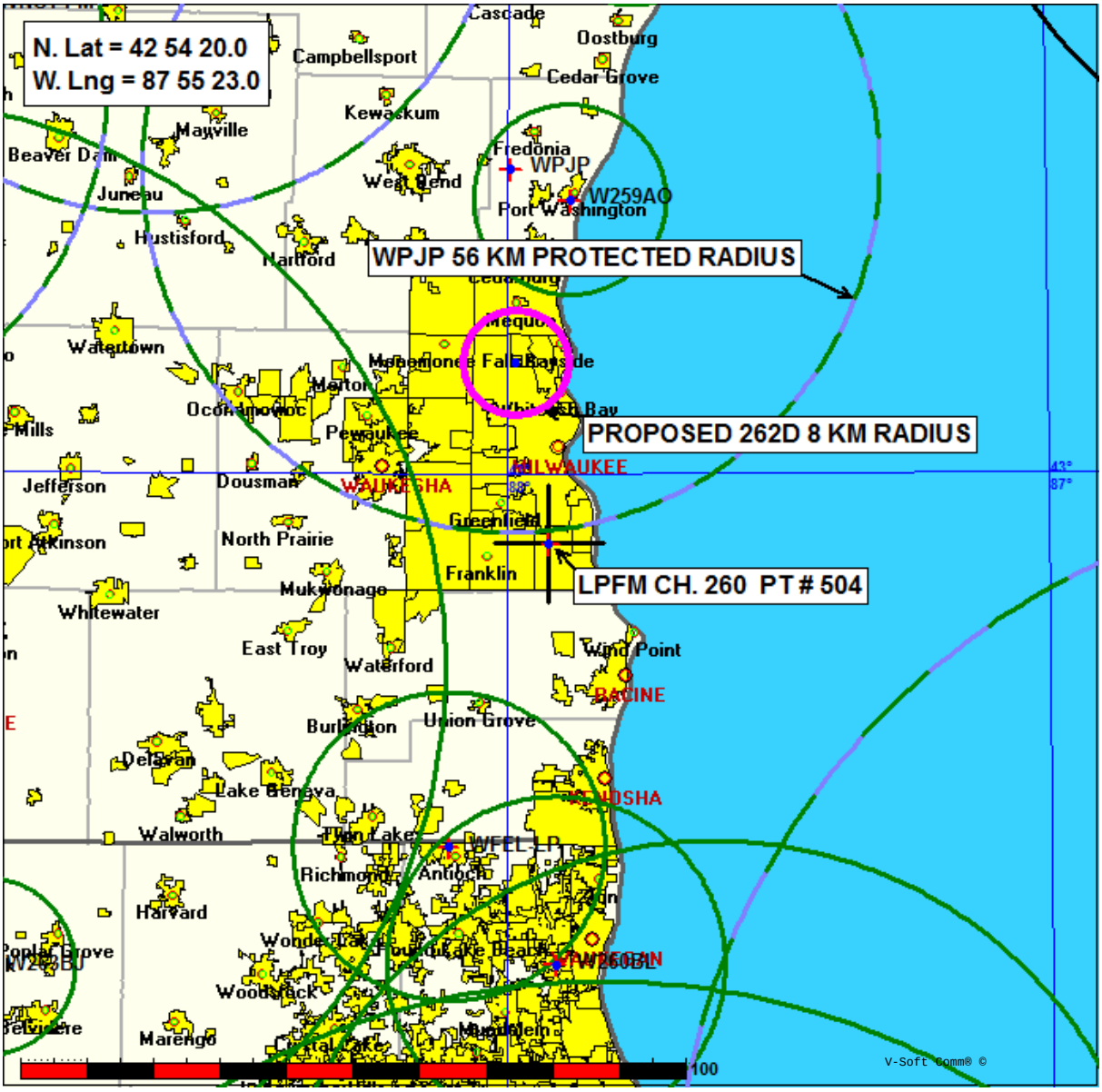
| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| WPJP | 261A | LIC-Z | Port Washington | WI | 349.4 | 67.65 | 67.0 | 1.2 |
| WILV | 262B | LIC | Chicago | IL | 170.1 | 104.10 | 97.0 | 7.6 |
| WFEL-LP | 260L1 | LIC | Antioch | IL | 210.7 | 42.89 | 14.0 | 29.4 |
| WJVL | 260B1 | LIC | Janesville | WI | 265.0 | 109.30 | 74.0 | 35.8 |
| WUSN | 258B | LIC | Chicago | IL | 170.1 | 104.10 | 67.0 | 37.6 |
| W260BL | 260D | LIC | Waukegan | IL | 186.1 | 55.10 | 15.0 | 40.6 |
| W259AO | 259D | LIC | Port Washington | WI | 356.7 | 61.76 | 8.0 | 54.3 |
| WHFB-FM | 260B | LIC-N | Benton Harbor | MI | 127.5 | 155.47 | 97.0 | 59.0 |
| WCPQ | 260B | LIC | Park Forest | IL | 179.6 | 168.95 | 97.0 | 72.5 |
| WPKR | 258C2 | LIC-N | Omro | WI | 329.4 | 130.47 | 53.0 | 78.0 |
| WVIB | 261A | LIC-D | Holton | MI | 67.7 | 147.71 | 67.0 | 81.2 |
| WNCY-FM | 262C2 | LIC-N | Neenah-menasha | WI | 350.0 | 162.02 | 80.0 | 82.5 |
| WDDC | 261A | LIC-N | Portage | WI | 301.8 | 151.49 | 67.0 | 85.0 |
| W263BQ.C | 263D | CP | Sheboygan | WI | 3.2 | 104.97 | 14.0 | 91.5 |
| W264BF.C | 264D | CP -D | Englewood | IL | 170.9 | 106.11 | 14.0 | 92.6 |
| W263BJ | 263D | LIC | Loves Park | IL | 239.0 | 107.00 | 14.0 | 93.5 |
| W263BQ | 263D | LIC | Sheboygan | WI | 3.2 | 104.97 | 8.0 | 97.5 |

| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| W264BF | 264D | LIC | Englewood | IL | 170.9 | 106.11 | 8.0 | 98.6 |
| WTLX | 263A | LIC | Monona | WI | 285.8 | 131.82 | 29.0 | 103.3 |
| W263BM.C | 263D | CP | De Kalb | IL | 217.6 | 123.57 | 14.0 | 110.1 |
| WGLC-FM | 261A | LIC-Z | Mendota | IL | 216.6 | 176.96 | 67.0 | 110.5 |
| R14902 | 260A | ADD | Custer | MI | 43.2 | 176.87 | 56.0 | 121.4 |
| WBYT | 264B | LIC | Elkhart | IN | 134.1 | 190.82 | 67.0 | 124.3 |
| WBYT | 264B | LIC | Elkhart | IN | 134.1 | 190.82 | 67.0 | 124.3 |

All separation margins include rounding

# CH 260 L1 99.9 MHz

Current Spacings to 3rd Adj.
FIGURE 6 - LPFM CHANNEL SPACING STUDY - CH. 260
LPFM PROTECTION POINT #504




Data Date:04-03-13 Job Date:04-03-13

| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| WPJP | 261A | LIC-Z | Port Washington | WI | 354.3 | 57.50 | 56.0 | 2.0 |
| WJVL | 260B1 | LIC | Janesville | WI | 259.5 | 103.78 | 87.0 | 17.3 |
| WFEL-LP | 260L1 | LIC | Antioch | IL | 198.1 | 48.52 | 24.0 | 25.0 |
| W259AO | 259D | LIC | Port Washington | WI | 3.4 | 52.49 | 15.0 | 38.0 |
| W260BL | 260D | LIC | Waukegan | IL | 179.1 | 64.06 | 26.0 | 38.6 |
| WILV | 262B | LIC | Chicago | IL | 167.5 | 114.51 | 67.0 | 48.0 |
| WUSN | 258B | LIC | Chicago | IL | 167.5 | 114.51 | 67.0 | 48.0 |
| WHFB-FM | 260B | LIC-N | Benton Harbor | MI | 128.6 | 166.54 | 112.0 | 55.0 |
| WPKR | 258C2 | LIC-N | Omro | WI | 329.9 | 119.04 | 53.0 | 66.5 |
| WCPQ | 260B | LIC | Park Forest | IL | 177.4 | 178.39 | 112.0 | 66.9 |
| W263BQ.C | 263D | CP | Sheboygan | WI | 7.5 | 96.38 | 14.0 | 82.9 |
| WDDC | 261A | LIC-N | Portage | WI | 300.0 | 140.89 | 56.0 | 85.4 |
| W263BQ | 263D | LIC | Sheboygan | WI | 7.5 | 96.38 | 8.0 | 88.9 |
| W263BJ | 263D | LIC | Loves Park | IL | 232.8 | 106.53 | 14.0 | 93.0 |
| WTLX | 263A | LIC | Monona | WI | 282.5 | 122.96 | 29.0 | 94.5 |
| WVIB | 261A | LIC-D | Holton | MI | 71.8 | 150.91 | 56.0 | 95.4 |
| WNCY-FM | 262C2 | LIC-N | Neenah-menasha | WI | 351.8 | 151.79 | 53.0 | 99.3 |

| Call | CH# | Type | Location | | Azi | D-KM | FCC | Margin |
|---|---|---|---|---|---|---|---|---|
| R14902 | 260A | ADD | Custer | MI | 46.8 | 175.16 | 67.0 | 108.7 |
| W263BM.C | 263D | CP | De Kalb | IL | 212.6 | 127.21 | 14.0 | 113.7 |
| WZDR | 259C2 | LIC | Sturgeon Bay | WI | 6.9 | 193.68 | 80.0 | 114.2 |
| WGLC-FM | 261A | LIC-Z | Mendota | IL | 213.1 | 180.65 | 56.0 | 125.2 |
| WGLC-FM | 261A | LIC-Z | Mendota | IL | 213.1 | 180.65 | 56.0 | 125.2 |

All separation margins include rounding