

Channel Study

| REFERENCE | | CH# 296D - 107.1 MHz, Pwr= 0.038 kW, HAAT= 68.8 M, COR= 264 M | | | | | | | | DISPLAY DATES | |
|--------------------|---------|---|-----|-------------|----------------|--------------|--------------------|-------------------|----------------------------|-------------------------|---------|
| 42 27 31.0 N. | | Average Protected F(50-50)= 6.7 km | | | | | | | | DATA 12-27-11 | |
| 83 07 18.0 W. | | Omni-directional | | | | | | | | SEARCH 01-04-12 | |
| CH CITY | CALL | TYPE STATE | ANT | AZI. <-- | DIST FILE # | LAT. LNG. | Pwr(kW) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* |
| 294B Detroit | WDTW-FM | LIC MI | CN | 155.9 | 15.4 | 42 19 55.0 | 61.000 | 6.1 | 66.2 | 2.4 | -51.7*< |
| | | | | 335.9 | BMLH19890804KA | 83 02 42.0 | 155 | 338 | Amfm Radio Licenses, L.l.c | | |
| 298B Detroit | WGPR | LIC MI | CX | 157.5 | 12.1 | 42 21 28.0 | 50.000 | 5.4 | 60.7 | -0.1< | -49.4*< |
| | | | | 337.6 | BLH20040422ABP | 83 03 55.0 | 124 | 316 | Wgpr, Inc. | | |
| 296A Ann Arbor | WQKL | APP MI | CX | 248.7 | 54.9 | 42 16 41.0 | 6.000 | 85.9 | 27.7 | -37.7*< | 4.9 |
| | | | | 68.3 | BPH20111025AIS | 83 44 32.0 | 88 | 350 | Cumulus Licensing Llc | | |
| 296A Ann Arbor | WQKL | LIC MI | CN | 248.7 | 54.9 | 42 16 41.0 | 3.000 | 75.1 | 23.7 | -26.8*< | 8.9 |
| | | | | 68.3 | BLH19911119KA | 83 44 32.0 | 88 | 350 | Cumulus Licensing Llc | | |
| 296A Port Huron | WSAQ | LIC MI | CN | 42.7 | 78.8 | 42 58 37.0 | 6.000 | 86.0 | 27.8 | -14.3*< | 27.3 |
| | | | | 223.2 | BLH19910806KA | 82 27 52.0 | 91 | 286 | Liggett Communications, L. | | |
| 296A Saginaw | WTLZ | LIC MI | CN | 327.2 | 118.8 | 43 21 14.0 | 4.900 | 85.1 | 28.2 | 28.3 | 72.7 |
| | | | | 146.6 | BMLH19900416KA | 83 55 06.0 | 110 | 294 | Nm Licensing Llc | | |

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in
KM
Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd
adjacent.
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.
< = Contour Overlap

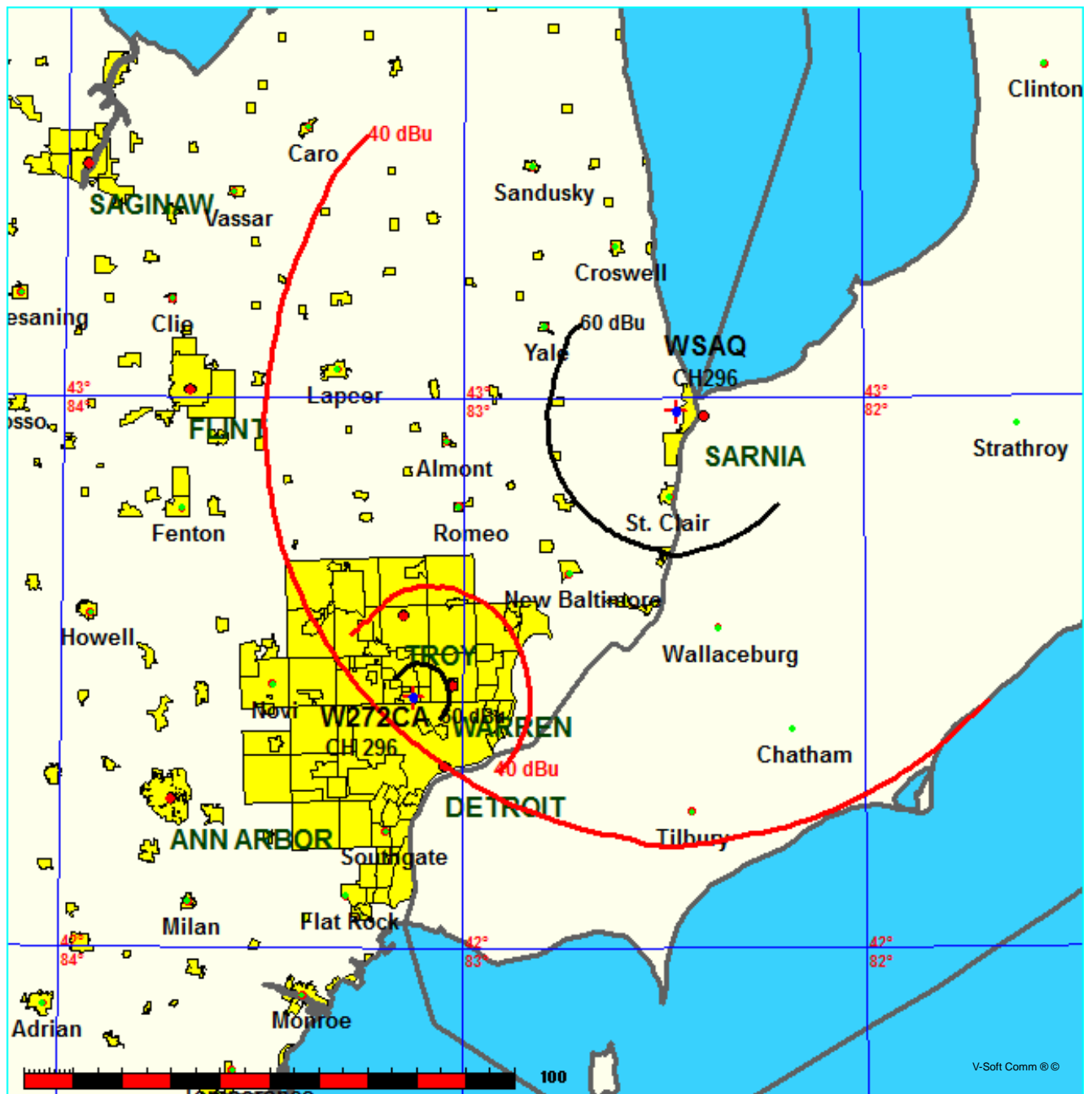
FMCommander Single Allocation Study - 01-04-2012 - NGDC 30 SEC
W272CA's Overlaps (In= -14.28 km, Out= 27.3 km)

W272CA CH 296 D

Lat= 42 27 31.0, Lng= 83 07 18.0
0.038 kW 68.8 M HAAT, 264 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WSAQ CH 296 A BLH19910806KA

Lat= 42 58 37.0, Lng= 82 27 52.0
6.0 kW 91 M HAAT, 286 M COR
Prot.= 60 dBu, Intef.= 40 dBu



W272CA CH 296 D

Lat= 42 27 31.0, Lng= 83 07 18.0
0.038 kW 68.8 M HAAT, 264 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WQKL-A CH 296 A BPH20111025AIS

Lat= 42 16 41.0, Lng= 83 44 32.0
6.0 kW 88 M HAAT, 350 M COR
Prot.= 60 dBu, Intef.= 40 dBu

