

UNITED STATES FM REPEATERS

| LOCATION                    | CALL    | PRIMARY |         | SECONDARY |         | TONE  | AUTO PATCH | OPR. TIME | NOTES | LOCATION             | CALL   | PRIMARY |         | SECONDARY |         | TONE | AUTO PATCH | OPR. TIME | NOTES |    |
|-----------------------------|---------|---------|---------|-----------|---------|-------|------------|-----------|-------|----------------------|--------|---------|---------|-----------|---------|------|------------|-----------|-------|----|
|                             |         | Input   | Output  | Input     | Output  |       |            |           |       |                      |        | Input   | Output  | Input     | Output  |      |            |           |       |    |
| <b>ALABAMA</b>              |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Albertville C               | WA4AHX  | 146.200 | 146.760 | 146.340   | 146.940 |       |            |           |       | HAWAII               |        |         |         |           |         |      |            |           |       |    |
| Birmingham L                | WB4QEX  | 146.340 | 146.940 |           |         |       |            | X         |       | Four Major Is. D     | KH6EQK | 146.340 | 146.940 | 444.150   | 449.150 |      |            |           | 8     |    |
| Decatur C                   | W4JNB   | 146.340 | 146.940 |           |         |       |            |           |       | Honolulu D           | KH6EQF | 146.200 | 146.800 | 449.150   | 444.150 |      |            |           | 8     |    |
| Dothan L                    | -       | 146.340 | 146.760 |           |         | 2150  |            | X         |       | Waikiki D            | KH6FOX | 146.160 | 146.760 |           |         |      |            |           |       |    |
| Huntsville C                | K4IQU   | 146.460 | 146.940 |           |         |       |            |           |       | <b>IDAHO</b>         |        |         |         |           |         |      |            |           |       |    |
| Mobile L                    | WB4QEV  | 146.340 | 146.940 |           |         |       |            |           |       | Boise C              | W7ZRQ  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Montgomery L                | -       | 146.340 | 146.940 |           |         |       |            |           |       | Boise C              | W7ZRQ  | 146.580 | 52.525  |           |         |      | X          |           |       |    |
| Scottsboro C                | -       | 146.220 | 146.820 |           |         |       |            |           | 1     | <b>ILLINOIS</b>      |        |         |         |           |         |      |            |           |       |    |
| Troy L                      | -       | 146.340 | 146.940 |           |         |       |            |           | 2     | Chicago C            | W9NGI  | 147.450 | 147.750 | 147.500   |         |      |            |           |       |    |
| <b>ALASKA</b>               |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Anchorage C                 | KL7USA  | 146.340 | 146.940 |           |         |       |            |           |       | Chicago Q            | WA9ORC | 146.340 | 146.760 | 146.160   |         |      |            | X         |       |    |
| <b>ARIZONA</b>              |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Phoenix C                   | WA7CEM  | 146.340 | 146.940 | 146.160   | 146.760 |       |            | X         |       | Rock Island C        | W9UCZ  | 146.340 | 146.940 |           | 146.760 | 1800 |            |           |       |    |
| <b>ARKANSAS</b>             |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Ft. Smith C                 | WA5YUT  | 146.340 | 146.940 |           |         |       |            |           |       | Waukegan Q           | -      | 146.340 | 146.760 | 146.160   |         |      |            |           |       |    |
| Hot Springs C               | W5ZF    | 146.280 | 146.880 |           |         |       |            |           |       | <b>INDIANA</b>       |        |         |         |           |         |      |            |           |       |    |
| Little Rock C               | W5DI    | 146.340 | 146.940 |           |         |       |            |           |       | Elkhart C            | WA9WVC | 146.220 | 146.820 |           |         |      | X          | X         | 9     |    |
| Springdale C                | WA5SNO  | 52.550  | 53.020  |           |         |       |            | X         |       | Ft. Wayne D          | K9HDH  | 146.160 | 146.760 |           |         | 1800 | X          |           |       |    |
| <b>CALIFORNIA</b>           |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Anaheim D                   | K6SYU   | 146.520 | 146.190 |           | 145.620 |       |            |           | 3     | Ft. Wayne D          | WA9EAU | 146.340 | 146.760 |           |         |      | X          |           |       |    |
| Covina C                    | W6FNO   | 146.820 | 146.700 |           |         | W     |            |           |       | Ft. Wayne D          | W9INX  | 146.280 | 146.880 |           |         |      | X          |           |       |    |
| Danville D                  | W6CV    | 147.800 | 147.060 |           |         |       |            |           |       | Ft. Wayne D          | W9INX  | 52.640  | 52.880  |           |         |      |            |           |       |    |
| Exeter D                    | WB6OPG  | 145.220 | 146.880 |           |         | 2200  |            |           |       | Freemont D           | WB9FHD | 52.640  | 52.525  |           |         |      |            |           |       |    |
| Exeter D                    | WB6OPG  | 146.160 | 146.760 |           |         | 1800  |            |           |       | Indianapolis C       | K9LEH  | 146.340 | 146.760 |           |         |      |            |           |       |    |
| Eureka D                    | WB6DGJ  | 146.340 | 146.940 |           |         |       |            |           |       | Indianapolis C       | K9LEH  | 146.280 | 146.880 |           |         |      |            |           | 10    |    |
| Fresno D                    | WB6HYL  | 146.340 | 146.940 |           |         |       |            |           |       | La Porte C           | K9JSI  | 146.220 | 146.820 |           |         |      | X          |           |       |    |
| Grass Valley D              | WA6UGS  | 146.340 | 146.940 |           |         | 2250  |            |           |       | Michigan City L      | -      | 146.310 | 146.970 |           |         |      |            |           |       |    |
| Hayward D                   | WB6AAE  | 146.200 | 146.800 | 449.500   | 444.500 |       |            |           |       | <b>IOWA</b>          |        |         |         |           |         |      |            |           |       |    |
| Los Angeles C               | WA6TIC  | 146.580 | 52.600  |           | 146.700 | RTTY  |            |           | 4     | Des Moines C         | WQAK/Q | 146.340 | 146.940 | 146.160   | 146.760 |      |            |           | X     |    |
| Los Angeles C               | WB6ZDI  | 146.610 | 147.330 |           |         |       |            |           | 5     | Des Moines C         | K9IXR  | 146.340 | 146.940 |           |         | W    |            | X         |       |    |
| Monterey D                  | K6LY    | 146.370 | 146.970 |           |         |       |            |           |       | Cedar Rapids C       | WAQVVA | 146.340 | 146.940 |           |         | 2000 |            |           |       |    |
| Oakland D                   | WB6NDJ  | 51.700  | 51.075  | 146.940   |         |       |            |           |       | <b>KANSAS</b>        |        |         |         |           |         |      |            |           |       |    |
| Oakland D                   | K6SWS   | 146.340 | 146.940 |           |         | 1800  |            |           |       | Hutchinson C         | W0DKU  | 146.340 | 146.940 |           |         |      |            | X         |       |    |
| Oroville D                  | K6YVY   | 146.340 | 146.940 |           |         | 1950  |            |           |       | Pittsburg C          | WAQVWV | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Palmdale D                  | WB6GUA  | 146.340 | 146.940 |           |         | 1800  |            |           |       | Salina L             | WAQCJQ | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Pine Cove D                 | W6AOE   | 147.150 | 147.750 |           |         |       |            |           |       | Walima L             | W0IPB  | 146.220 | 146.820 | 52.525    | 52.525  |      |            |           | 11    |    |
| Redlands C                  | WA6ALV  | 146.340 | 146.850 |           |         | 1800  |            |           |       | Wichita L            | W0DKU  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Riverside D                 | WA6URI  | 52.760  | 52.525  |           |         |       |            |           |       | <b>KENTUCKY</b>      |        |         |         |           |         |      |            |           |       |    |
| Sacramento D                | K4TXK/6 | 146.160 | 146.760 |           |         |       |            |           |       | Covington D          | W4YWH  | 146.190 | 146.790 | 146.130   | 146.730 |      |            |           |       |    |
| Sacramento D                | WB6ZOI  | 146.160 | 146.760 |           |         |       |            |           |       | Lexington D          | WB4UQF | 146.340 | 146.760 |           |         |      |            |           |       |    |
| San Diego D                 | WB6WLV  | 146.340 | 146.850 |           |         | 2100  |            |           |       | Louisville D         | W4MOP  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| San Luis Obispo C           | WB6TSO  | 146.200 | 146.800 |           |         |       |            |           |       | Owensboro D          | K4UCS  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| San Rafael D                | K6GWE   | 146.100 | 146.700 | 448.250   | 443.250 |       |            |           | 6     | <b>LOUISIANA</b>     |        |         |         |           |         |      |            |           |       |    |
| Santa Barbara D             | K6SJF   | 146.160 | 146.995 |           |         |       |            |           |       | Alexandria C         | K5URH  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Santa Clara C               | WB6OQS  | 146.160 | 146.760 | 444.600   | 449.600 | 2400  |            |           | 6     | Baton Rouge C        | WA5ZHD | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Santa Monica D              | WA6FLH  | 146.220 | 147.390 |           |         |       |            |           |       | Baton Rouge C        | WA5RTZ | 146.280 | 146.880 |           |         |      |            |           | 1     |    |
| Ventura C                   | WA6SIN  | 146.280 | 146.880 |           |         | 1950  |            |           |       | Lake Charles L       | -      | 146.340 | 146.940 |           |         |      |            |           |       |    |
| <b>COLORADO</b>             |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Alpine Rescue D             | -       | 146.100 | 146.700 |           |         |       |            |           |       | Monroe C             | WB5CDP | 52.827  | 52.525  |           |         | 1950 |            |           |       |    |
| Boulder D                   | W0IA    | 444.550 | 449.550 |           |         |       |            |           |       | Morgan City L        | W5MLE  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Broomfield D                | WA0FTM  | 444.400 | 449.400 |           |         |       |            |           |       | Shreveport L         | -      | 146.220 | 146.820 |           |         |      |            |           |       |    |
| Buckhorn Mtn. D             | -       | 146.250 | 146.850 |           |         |       |            |           |       | <b>MASSACHUSETTS</b> |        |         |         |           |         |      |            |           |       |    |
| Castle Rock D               | W0JGL   | 146.070 | 146.670 |           |         |       |            |           |       | Falmouth D           | W1VAK  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Colo. Springs C             | WA0VTV  | 146.160 | 146.760 |           |         |       |            |           |       | Holyoke D            | K1ZJH  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Denver D                    | K0OVQ   | 146.820 | 147.300 |           |         |       |            |           |       | Lennox D             | WA1KGT | 146.250 | 146.760 |           |         |      |            |           |       |    |
| Denver C                    | WA0VVC  | 444.350 | 449.350 |           |         |       |            |           |       | Marlboro D           | WA1KFY | 146.220 | 146.820 |           |         |      |            |           |       |    |
| Denver C                    | W0WYX   | 146.340 | 146.940 | 444.450   | 449.450 | RTTY  |            |           | X     | Reading C            | W1ZAW  | 146.280 | 146.880 |           |         |      |            |           |       |    |
| Denver D                    | -       | 146.100 | 146.700 |           |         |       |            |           |       | Williamstown C       | K1FFK  | 146.040 | 146.910 |           |         |      |            |           |       |    |
| Ft. Collins C               | -       | 146.010 | 146.610 |           |         |       |            |           |       | Williamstown C       | WA1KFZ | 146.100 | 146.700 |           |         |      |            |           |       |    |
| Grand Junction D            | W0RRZ   | 145.320 | 146.940 |           |         |       |            |           |       | <b>MICHIGAN</b>      |        |         |         |           |         |      |            |           |       |    |
| Pueblo D                    | W0ENA   | 53.000  | 52.525  |           |         |       |            |           |       | Bangor D             | WB8CRH | 52.640  | 52.525  |           |         |      |            |           |       |    |
| Pueblo D                    | WA0SNO  | 146.280 | 146.880 |           |         |       |            |           |       | Benton Harbor C      | W8MAI  | 146.220 | 146.820 |           |         | 1800 |            |           | 12    |    |
| Pueblo D                    | WA0SNO  | 146.340 | 146.940 |           |         |       |            |           |       | Benton Harbor Q      | K8JKI  | 146.340 | 146.940 |           | 146.760 |      |            |           |       |    |
| Squaw Mtn. D                | W0WYX   | 53.000  | 52.525  |           |         |       |            |           |       | Benton Harbor Q      | K8JKI  | 146.940 | 146.760 |           | 146.820 |      |            |           | 13    |    |
| Squaw Mtn. D                | W0WYX   | 444.450 | 449.450 |           |         |       |            |           |       | Detroit D            | WB8CQS | 146.340 | 146.760 |           |         |      |            |           |       |    |
| <b>CONNECTICUT</b>          |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Bridgeport D                | WA1KGK  | 146.220 | 146.760 |           |         |       |            |           |       | Detroit D            | W8SDZ  | 146.460 | 146.640 |           |         |      |            |           |       |    |
| Hartford D                  | K1HIG   | 146.280 | 146.880 |           |         |       |            |           |       | Kalamazoo C          | K8TIW  | 146.340 | 146.940 |           |         | 2100 |            | X         |       |    |
| <b>DISTRICT of COLUMBIA</b> |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Washington L                | WB4QFP  | 146.310 | 146.910 |           |         |       |            |           |       | Muskegon L           | K8WNJ  | 146.220 | 146.820 |           |         |      |            |           |       |    |
| <b>FLORIDA</b>              |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Ft. Walton Beach L          | WB4EQU  | 29.440  | 29.600  |           |         | 1800  |            |           |       | <b>MINNESOTA</b>     |        |         |         |           |         |      |            |           |       |    |
| Ft. Walton Beach C          | WB4KLT  | 146.340 | 146.760 |           |         | 1800  | X          | X         | 7     | Minneapolis C        | W0PZT  | 146.985 | 146.460 | 53.640    | 53.640  |      |            |           | X     | 14 |
| Melbourne C                 | WB4KNQ  | 146.340 | 146.760 |           |         |       | X          | X         | 7     | Rochester C          | -      | 146.940 | 146.460 |           |         |      |            |           |       |    |
| Pensacola C                 | WB4QEQ  | 146.340 | 146.760 |           |         | 2200  | X          | X         | 7     | <b>MISSISSIPPI</b>   |        |         |         |           |         |      |            |           |       |    |
| Silver Springs C            | -       | 146.340 | 146.940 |           |         |       |            |           |       | Keesler AFB C        | K5TYP  | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Tampa B                     | WB4HAE  | 146.340 | 146.760 |           |         |       |            |           |       | Pascagoula C         | WA5RMS | 146.340 | 146.940 |           |         | 2400 |            |           |       |    |
| Orlando C                   | WB4QEL  | 146.340 | 146.760 | 449.600   | 448.600 |       |            |           | 7     | <b>MISSOURI</b>      |        |         |         |           |         |      |            |           |       |    |
| <b>GEORGIA</b>              |         |         |         |           |         |       |            |           |       |                      |        |         |         |           |         |      |            |           |       |    |
| Atlanta C                   | W4BOC   | 146.160 | 146.760 | 146.340   |         | 1800S |            |           |       | Kansas City C        | WA0VUN | 146.220 | 146.820 |           |         |      |            | X         |       |    |
| Atlanta L                   | W4DOC   | 146.280 | 146.880 |           |         |       |            |           |       | Kansas City C        | WA0AMR | 146.340 | 146.940 |           |         |      |            | X         |       |    |
| Atlanta L                   | W4RRW   | 146.220 | 146.820 |           |         |       |            |           |       | Springfield C        | WA0VVV | 146.340 | 146.940 |           |         |      |            |           |       |    |
| Dallas L                    | -       | 146.250 | 146.850 |           |         |       |            |           |       | St. Joseph L         | W0OKB  | 146.100 | 146.940 | 146.340   |         |      |            |           |       |    |
| Griffin L                   | -       | 146.310 | 146.910 |           |         |       |            |           |       | St. Louis C          | W9AIU  | 146.160 | 146.760 |           |         |      |            |           |       |    |
| Rome L                      | W4VO    | 146.460 | 146.940 | 146.340   |         | 2100S | X          |           | 7     | St. Louis Q          | -      | 146.340 | 146.940 |           |         |      |            |           |       |    |

- Not operational when data received.
- May change to .22/.82.
- Secondary input is a.m.
- RTTY Repeater.
- Operational from 7 A.M. to Midnight.
- V.h.f. and u.h.f. interconnected.
- Planning on 600 kHz spacing retaining .34 input with tone coding.



| LOCATION           | CALL   | PRIMARY |         | SECONDARY |         | TONE   | AUTO PATCH | OPR. TIME | NOTES | LOCATION           | CALL   | PRIMARY |         | SECONDARY |         | TONE   | AUTO PATCH | OPR. TIME | NOTES |
|--------------------|--------|---------|---------|-----------|---------|--------|------------|-----------|-------|--------------------|--------|---------|---------|-----------|---------|--------|------------|-----------|-------|
|                    |        | Input   | Output  | Input     | Output  |        |            |           |       |                    |        | Input   | Output  | Input     | Output  |        |            |           |       |
| NEBRASKA           |        |         |         |           |         |        |            |           |       | PENNSYLVANIA       |        |         |         |           |         |        |            |           |       |
| North Platte C     | KØYRL  | 146.340 | 146.940 |           |         |        |            |           |       | Bethlehem C        | W3OK   | 146.160 | 146.700 |           |         |        |            |           |       |
| Omaha C            | WAØVVD | 146.220 | 146.820 |           |         |        |            |           |       | Erie D             | W3ZLO  | 146.340 | 146.940 |           |         |        |            |           | X     |
| NEVADA             |        |         |         |           |         |        |            |           |       | Harrisburg D       | WA3ICC | 146.340 | 146.760 |           |         |        |            |           |       |
| Reno D             | K7UGT  | 146.340 | 146.940 | 146.940   | 147.480 | 2400P  |            |           |       | Kane C             | W3VV   | 146.340 | 146.940 | 146.250   | 146.850 |        |            |           |       |
| Virginia City C    | K7VJZ  | 52.525  | 146.940 |           |         |        |            |           |       | Laurel Mtn. L      | WA3RES | 146.340 | 146.940 |           |         |        |            |           |       |
| NEW HAMPSHIRE      |        |         |         |           |         |        |            |           |       | Philadelphia C     | W3QV   | 29.640  | 29.493  |           |         |        |            |           | 20    |
| Concord D          | W1ALE  | 146.340 | 146.940 |           |         |        |            |           |       | Philadelphia C     | WA3KUR | 52.760  | 52.640  | 448.800   | 443.800 |        | X          |           | 21    |
| NEW JERSEY         |        |         |         |           |         |        |            |           |       | Philadelphia C     | K3ZFD  | 146.370 | 146.970 |           |         |        | X          |           | 22    |
| Lakewood C         |        | 146.310 | 146.910 |           |         |        |            |           |       | Philadelphia C     | WA3BKO | 146.160 | 146.760 | 146.340   |         |        |            |           |       |
| Paramus C          | WA2UYS | 146.115 | 146.610 | 146.610   | 146.115 |        | X          |           |       | Pittsburg C        | WA3QLP | 146.340 | 146.760 | 146.220   |         |        |            |           |       |
| NEW MEXICO         |        |         |         |           |         |        |            |           |       | RHODE ISLAND       |        |         |         |           |         |        |            |           |       |
| Albuquerque C      | WA5YUG | 53.725  | 52.525  |           | 52.575  | T      | X          | X         |       | Bristol C          | K1OHE  | 146.340 | 146.940 | 146.940   | 448.000 |        |            | X         |       |
| Los Alamos C       | W5PDD  | 146.340 | 146.940 |           |         |        | X          | X         |       | Pawtucket C        | K1ABR  | 146.100 | 146.700 | 146.700   |         |        | X          | X         | 9     |
| Roswell C          | WA5DMQ | 146.340 | 146.940 |           |         |        |            |           |       | SOUTH CAROLINA     |        |         |         |           |         |        |            |           |       |
| NEW YORK           |        |         |         |           |         |        |            |           |       | Charleston L       | WB4QGK | 146.340 | 146.940 |           |         | 1477   |            |           |       |
| Bath D             | W2DRZ  | 146.340 | 146.940 | 146.190   | 146.790 |        |            |           |       | Greenville C       | WB4PUP | 146.340 | 146.940 |           |         | 2400   |            |           | 23    |
| Buffalo D          | K2LDT  | 146.310 | 146.910 |           |         |        |            |           |       | SOUTH DAKOTA       |        |         |         |           |         |        |            |           |       |
| NYC B              | WA2SUR | 146.190 | 146.730 |           |         |        |            |           |       | Brookings L        |        | 146.340 | 146.940 |           |         |        |            |           |       |
| NYC C              | WA2UWK | 146.280 | 146.880 | 146.340   | 146.940 |        |            | 15        |       | Rapid City C       | KØMZN  | 146.340 | 146.940 |           |         |        |            |           |       |
| NYC C              | WA2YYQ | 146.250 | 146.880 | 444.250   | 449.250 |        |            | X         |       | Sioux Falls L      | WAØVVG | 146.340 | 146.940 |           |         | 1800   |            |           |       |
| NYC C              | WA2YZZ | 146.100 | 146.700 |           |         | R      |            |           |       | TENNESSEE          |        |         |         |           |         |        |            |           |       |
| Lockport D         | W2RUI  | 146.250 | 146.820 |           |         |        |            |           |       | Knoxville C        | K4HXD  | 146.340 | 146.940 |           |         |        |            |           |       |
| Poughkeepsie D     | W2CVT  | 146.310 | 146.760 |           |         |        |            |           |       | Knoxville C        |        | 146.280 | 146.880 |           |         |        |            |           |       |
| Steuben County C   | WA2ARI | 146.340 | 146.940 |           | 145.340 |        |            | X         |       | Lenoir City C      | K4RSV  | 146.460 | 147.060 |           |         |        |            |           |       |
| Rochester D        | WA2UWQ | 146.280 | 146.880 |           |         |        |            |           |       | Memphis C          | W4CV   | 146.340 | 146.940 |           |         |        |            |           |       |
| Rome D             | WA2UWS | 146.280 | 146.880 |           |         |        |            |           |       | Memphis C          | W4BS   | 146.220 | 146.760 |           |         |        |            |           |       |
| Schenectady C      | K2AE   | 146.460 | 146.940 |           |         |        |            |           |       | Nashville C        | W4AY   | 146.100 | 146.640 |           |         |        | X          | X         | 24    |
| Syracuse D         | WA2UWF | 146.460 | 146.940 |           |         |        |            |           |       | Oak Ridge C        | W4SKH  | 146.280 | 146.880 |           |         |        |            |           |       |
| Troy C             | WB2NNZ | 146.340 | 146.940 |           |         |        |            |           |       | TEXAS              |        |         |         |           |         |        |            |           |       |
| Utica D            | K2GVI  | 146.340 | 146.940 |           |         |        |            |           |       | Amarillo C         | W5CBT  | 146.340 | 146.940 |           |         |        |            |           |       |
| Western NY C       | W2SB   | 146.340 | 146.940 | 146.250   | 146.850 |        | X          | X         |       | Arlington C        |        | 449.200 | 444.200 |           |         |        |            | X         |       |
| Whiteface D        | WA2UYJ | 146.220 | 146.820 |           |         |        |            |           |       | Austin C           | WA5YTO | 146.340 | 146.940 |           |         |        |            |           |       |
| NORTH CAROLINA     |        |         |         |           |         |        |            |           |       | Corpus Christi C   | WA5YTJ | 146.340 | 146.940 |           |         |        |            |           | X     |
| Charlotte D        | W4BFB  | 146.340 | 146.940 |           |         |        |            |           |       | Dallas C           | WA5VKV | 146.220 | 146.820 |           |         |        |            |           | X     |
| Durham D           | K4RUQ  | 146.340 | 146.940 |           |         |        |            |           |       | Dallas C           | WA5VKV | 449.000 | 444.000 |           |         |        |            |           | X     |
| Elizabeth City C   | WA4VTX | 146.280 | 146.880 | 146.940   |         | T S    | X          | X         |       | Dallas D           | WA5VKW | 146.280 | 146.880 |           |         |        |            |           |       |
| Greensboro D       | W4GG   | 146.160 | 146.760 |           |         |        |            |           |       | Dallas Q           |        | 146.190 | 146.790 |           |         |        |            |           | 1     |
| Raleigh D          |        | 146.280 | 146.940 |           |         |        |            |           |       | Ft. Worth C        | WA5YTM | 146.340 | 146.940 |           |         |        |            |           |       |
| High Point D       | K4VUG  | 146.340 | 146.940 |           |         |        |            |           |       | Ft. Worth C        | WA5KTO | 146.160 | 146.760 |           |         |        |            |           |       |
| Lexington D        |        | 146.310 | 146.910 |           |         |        |            |           |       | Ft. Worth C        |        | 53.050  | 53.150  |           |         | 52.560 |            |           |       |
| Roaring Gap L      | WB4PPS | 146.220 | 146.940 | 146.940   | 145.500 |        |            |           |       | Houston C          | WA5QLA | 146.280 | 146.880 |           |         |        |            |           |       |
| North Wilkesboro D | W4DCD  | 52.780  | 52.525  | 146.420   |         |        |            |           |       | Irving D           |        | 146.130 | 146.730 |           |         |        |            | X         | 1     |
| Salisbury D        | W4EXU  | 146.280 | 146.880 |           |         |        |            |           |       | Mineral Wells C    | W5KVI  | 146.040 | 146.640 |           |         |        |            | X         |       |
| Shelby C           | W4NYR  | 146.280 | 146.880 |           |         |        |            |           |       | Mt. Pleasant C     |        | 146.340 | 146.940 |           |         |        |            |           |       |
| OHIO               |        |         |         |           |         |        |            |           |       | Nederland C        | WA5YUS | 146.340 | 146.940 |           |         |        |            |           |       |
| Ashtabula D        | K8HRS  | 146.340 | 146.760 |           |         |        |            |           |       | Pecos C            | WA5YUU | 146.340 | 146.940 |           |         |        |            |           |       |
| Athens D           | K8TQK  | 146.340 | 146.760 |           |         |        |            |           |       | Plainview C        | W5YNL  | 146.220 | 146.820 | 146.940   |         |        |            | X         |       |
| Canfield D         | WA8VWH | 146.280 | 146.880 |           |         |        |            |           |       | San Antonio C      | WA5VKZ | 146.340 | 146.940 | 146.220   | 146.820 | S      |            |           |       |
| Cincinnati C       | WB8CRS | 146.340 | 146.760 |           |         | 1800   |            | X         |       | San Antonio C      | WA5UNH | 52.880  | 52.525  |           |         |        |            |           |       |
| Cincinnati D       | W8QID  | 52.920  | 53.050  |           |         |        |            |           |       | Tyler Q            |        | 146.340 | 146.940 |           |         |        |            |           |       |
| Cleveland C        | WB8CQR | 146.340 | 146.760 | 146.370   |         | 110.9S |            | X         |       | Waco D             |        | 146.280 | 146.880 |           |         |        |            |           |       |
| Cleveland D        | WB8CQR | 449.950 | 447.950 |           |         |        |            |           |       | UTAH               |        |         |         |           |         |        |            |           |       |
| Cleveland D        | WB8CRV | 146.280 | 146.880 | 146.400   |         |        |            | X         |       | Salt Lake City C   | WA7AKI | 146.340 | 146.940 | 444.900   | 449.900 |        |            | X         | 25    |
| Cleveland D        | WA8TTO | 146.220 | 146.820 | 146.460   |         |        |            |           |       | VERMONT            |        |         |         |           |         |        |            |           |       |
| Columbus C         | W8AIC  | 146.340 | 146.760 |           |         | T      | X          | X         |       | Bennington D       | WA1KFX | 146.310 | 146.880 |           |         |        |            |           |       |
| Columbus D         | W8TQA  | 52.760  | 52.525  |           |         |        |            |           |       | Mt. Ascutney D     | WA1KGM | 146.160 | 146.760 |           |         |        |            |           |       |
| Columbus C         | W8ERD  | 29.500  | 146.820 | 50.540    |         |        |            | X         | 16    | Mt. Mansfield D    | WIKOO  | 146.340 | 146.940 |           |         |        |            |           |       |
| Dayton C           | WB8CQK | 146.160 | 146.760 | 146.040   | 146.640 | 2000P  |            |           | 17    | Shelburne D        | WIABI  | 146.340 | 146.940 | 146.280   | 146.880 |        |            |           |       |
| Dayton D           | WA8PIA | 448.750 | 443.750 |           |         |        |            |           |       | VIRGINIA           |        |         |         |           |         |        |            |           |       |
| Delaware D         | W8QLS  | 146.370 | 146.970 |           |         |        |            |           |       | Charleston C       | WB4KNX | 146.280 | 146.940 |           |         |        |            |           |       |
| Fletcher D         | WB8CRL | 146.460 | 146.880 |           |         |        |            |           |       | Danville D         | WB4QEP | 146.280 | 146.880 |           |         |        |            |           |       |
| Galion L           | WA8KJJ | 146.340 | 146.760 |           |         |        |            |           |       | Lynchburg C        | WB4HCX | 146.340 | 146.940 |           |         |        |            |           |       |
| Hamilton D         | WA8WMH | 146.370 | 146.970 |           |         |        |            | X         | 18    | Richmond C         | WB4QEO | 146.340 | 146.940 |           |         |        |            |           |       |
| Marietta D         | W8HH   | 146.280 | 146.880 |           |         |        |            |           |       | Richmond C         | WA4VOS | 146.280 | 146.880 |           |         |        |            |           |       |
| Miamisburg D       | WA8PLZ | 146.220 | 146.820 | 448.600   |         |        |            |           |       | WASHINGTON         |        |         |         |           |         |        |            |           |       |
| Newark D           |        | 146.280 | 146.880 |           |         |        |            |           |       | Castle Rock L      |        | 146.340 | 146.940 |           |         | 1750   |            |           |       |
| Newcomerstown C    | WB8CRU | 146.340 | 146.760 |           |         |        |            |           |       | Seattle D          | W7DBF  | 146.340 | 146.580 | 146.760   |         |        |            |           |       |
| Ottawa D           | K8JHG  | 52.760  | 52.525  | 53.360    | 53.540  |        |            |           |       | Spokane C          | WA7KYY | 146.340 | 146.940 |           |         |        |            |           |       |
| Toledo D           | WB8CQO | 146.340 | 146.760 |           |         |        |            |           |       | Wenatchee C        | W7TD   | 146.340 | 146.940 |           |         |        |            |           |       |
| Toledo D           | WB8CQO | 146.200 | 146.800 |           |         |        |            |           |       | WEST VIRGINIA      |        |         |         |           |         |        |            |           |       |
| Toledo D           | WB8CQO | 52.680  | 52.525  |           |         |        |            |           |       | Huntington D       | WB8ARY | 146.340 | 146.760 | 52.760    | 52.525  |        |            |           |       |
| Toledo D           | K8MXV  | 146.100 | 146.850 |           |         |        |            |           |       | New Martinsville D | WA8ART | 146.340 | 146.940 |           |         |        |            |           |       |
| Youngstown D       | W8IIO  | 146.340 | 146.760 | 146.310   |         |        |            |           |       | Parkersburg C      | K8BOT  | 146.340 | 146.760 |           |         |        |            |           | X     |
| OKLAHOMA           |        |         |         |           |         |        |            |           |       | Weirton D          | WA8AGC | 146.340 | 146.940 |           |         |        |            |           |       |
| Ardmore C          | WA5YUF | 146.460 | 146.940 |           |         |        |            |           |       | Wheeling D         | W8JDJ  | 146.340 | 146.760 |           |         |        |            |           |       |
| Central Okla. C    | WA5YTI | 146.340 | 146.940 |           |         |        |            | X         |       | WYOMING            |        |         |         |           |         |        |            |           |       |
| Durant Q           |        | 146.340 | 146.940 |           |         |        |            |           |       |                    |        |         |         |           |         |        |            |           |       |



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| LOCATION                | CALL   | PRIMARY |         | SECONDARY |        | TONE | AUTO PATCH | OPR. TIME | NOTES |
|-------------------------|--------|---------|---------|-----------|--------|------|------------|-----------|-------|
|                         |        | Input   | Output  | Input     | Output |      |            |           |       |
| <b>ALBERTA</b>          |        |         |         |           |        |      |            |           |       |
| Calgary L               | VE6AUY | 146.460 | 147.000 |           |        |      |            |           |       |
| Edmonton L              | VE6WQ  | 146.460 | 147.000 |           |        |      |            |           |       |
| Grand Prairie L         | VE6OL  | 146.460 | 147.000 |           |        |      |            |           |       |
| <b>BRITISH COLUMBIA</b> |        |         |         |           |        |      |            |           |       |
| Chilliwack D            | VE7ELK | 146.460 | 147.000 |           |        |      |            |           |       |
| Cranbrook D             | VE7CAP | 146.340 | 146.940 |           |        |      |            |           |       |
| Kamloops D              | -      | 146.340 | 146.940 |           |        |      |            |           |       |
| Nelson D                | VE7BTU | 146.460 | 147.330 |           |        |      |            |           |       |
| Penticton D             | -      | 146.340 | 146.940 |           |        |      |            |           |       |
| Prince George D         | VE7AFG | 146.580 | 147.330 |           |        |      |            |           |       |
| Trail D                 | VE7CAQ | 146.340 | 146.940 |           |        |      |            |           |       |
| Vancouver D             | VE7RPT | 146.340 | 146.940 |           |        |      |            |           |       |
| Victoria D              | VE7BEL | 146.220 | 147.540 |           |        |      |            |           |       |
| <b>MANITOBA</b>         |        |         |         |           |        |      |            |           |       |
| Winnipeg D              | VE4XX  | 146.460 | 146.940 |           |        |      |            |           |       |
| <b>NEW BRUNSWICK</b>    |        |         |         |           |        |      |            |           |       |
| Moncton D               | VE1VHF | 146.460 | 146.940 |           |        |      |            |           |       |
| Saint John D            | VE1KI  | 146.460 | 146.940 |           |        |      |            |           |       |
| <b>NEWFOUNDLAND</b>     |        |         |         |           |        |      |            |           |       |
| Grand Falls D           | VO1AV  | 146.460 | 146.940 |           |        |      |            |           |       |
| Saint Johns D           | VO1GT  | 146.460 | 146.940 |           |        |      |            |           |       |
| <b>NOVA SCOTIA</b>      |        |         |         |           |        |      |            |           |       |
| Halifax D               | VE1ARC | 146.460 | 146.940 |           |        |      |            |           |       |
| Sydney D                | VE1JD  | 146.460 | 146.940 |           |        |      |            |           |       |
| Truro D                 | VE1XK  | 146.460 | 146.940 |           |        |      |            |           |       |
| <b>ONTARIO</b>          |        |         |         |           |        |      |            |           |       |
| Belleville D            | VE3KBR | 146.460 | 146.940 |           |        |      |            |           |       |
| Chatham D               | VE3KCR | 146.460 | 146.940 |           |        |      |            |           |       |
| Grimby D                | VE3LCR | 146.490 | 147.090 |           |        |      |            |           |       |
| Hamilton D              | VE3DRW | 146.160 | 146.760 |           |        |      |            |           |       |
| Kitchener D             | VE3KSR | 146.370 | 146.970 |           |        |      |            |           |       |
| London D                | VE3LAC | 146.460 | 147.060 |           |        |      |            |           |       |
| Niagara Falls D         | VE3BER | 146.070 | 146.700 |           |        |      |            |           |       |
| Oshawa D                | VE3OSH | 146.400 | 147.120 |           |        |      |            |           |       |
| Ottawa D                | VE3STP | 146.340 | 147.060 |           |        |      |            |           |       |
| Peterboro D             | VE3PBO | 146.340 | 146.940 |           |        |      |            |           |       |
| St. Catharines D        | VE3NRS | 146.220 | 147.240 |           |        |      |            |           |       |
| Sault Sainte Marie D    | VE3SSM | 146.340 | 146.940 | 146.460   |        |      |            |           |       |
| Sudbury D               | VE3SRS | 146.460 | 146.940 |           |        |      |            |           |       |
| Toronto D               | VE3RPT | 146.460 | 147.060 |           |        |      | 146.940    |           |       |
| Toronto D               | VE3MOT | 156.580 | 147.180 |           |        |      |            |           |       |
| Toronto D               | VE3SSS | 146.640 | 147.300 |           |        |      |            |           |       |
| <b>QUEBEC</b>           |        |         |         |           |        |      |            |           |       |
| Chicoutami D            | VE2CRS | 146.460 | 146.940 |           |        |      |            |           |       |
| Matane D                | VE2CSL | 146.460 | 146.940 |           |        |      |            |           |       |
| Montreal D              | VE2CAT | 146.180 | 146.640 |           |        |      |            |           |       |
| Montreal D              | VE2PY  | 146.280 | 146.880 |           |        |      |            |           |       |
| Montreal D              | VE2RM  | 146.400 | 147.180 |           |        |      |            |           |       |
| Montreal D              | VE2MT  | 146.460 | 147.060 |           |        |      |            |           |       |
| Montreal D              | VE2TA  | 146.520 | 147.500 |           |        |      |            |           |       |
| Montreal D              | VE2XW  | 146.700 | 147.600 |           |        |      |            |           |       |
| Ottawa D                | VE2CRA | 146.460 | 146.940 |           |        |      |            |           |       |
| Quebec City D           | VE2OM  | 146.460 | 146.940 |           |        |      |            |           |       |
| Quebec City D           | VE2VD  | 146.520 | 147.500 |           |        |      |            |           |       |
| Riviere Du Loup D       | VE2NY  | 146.460 | 146.940 |           |        |      |            |           |       |
| St. Foy D               | VE2LB  | 146.640 | 147.140 |           |        |      |            |           |       |
| Sherbrooke D            | VE2FZ  | 146.460 | 146.940 |           |        |      |            |           |       |
| Trois Rivieres D        | VE2AT  | 146.460 | 146.940 |           |        |      |            |           |       |
| <b>SASKATCHEWAN</b>     |        |         |         |           |        |      |            |           |       |
| Regina D                | VE5SS  | 146.460 | 147.330 |           |        |      |            |           |       |

### SIMPLEX FREQUENCIES OTHER THAN NATIONAL OR REPEATER OUTPUT

| ALABAMA               | KANSAS                     | TENNESSEE               |
|-----------------------|----------------------------|-------------------------|
| State CD Freq. 53.400 | Chanute 146.760            | Memphis 52.580          |
|                       |                            | Oakridge 146.760        |
| <b>ARKANSAS</b>       | <b>LOUISIANA</b>           | <b>TEXAS</b>            |
| Springdale 146.760    | Statewide - old CD 147.300 | Arlington 146.550       |
| <b>CALIFORNIA</b>     | <b>MINNESOTA</b>           | Dallas 146.430          |
| Placer County 51.000  | Stanchfield 146.640        | Fort Worth 146.400      |
| Sacramento 51.100     |                            | Statewide 146.520       |
| Statewide 51.300      | <b>MONTANA</b>             | Statewide 146.640       |
| Bay Area 146.650      | Great Falls 146.760        | Statewide 449.100       |
| Statewide 146.460     | Missoula 146.760           |                         |
| Statewide 446.000     | Ryegate 146.760            | <b>VIRGINIA</b>         |
| <b>ILLINOIS</b>       |                            | Arlington 147.000       |
| Chicago 147.300       | <b>NORTH CAROLINA</b>      | Arlington 146.880       |
|                       | Burlington 147.780         | Arlington 146.760       |
| <b>IOWA</b>           |                            | <b>WASHINGTON</b>       |
| Ames 52.640           | <b>OREGON</b>              | Blaine AFS 146.760      |
| Des Moines 146.880    | Portland 146.760           | Spokane 146.760         |
| Des Moines 146.760    |                            | N.W. Washington 146.760 |
| Des Moines 146.460    | <b>PENNSYLVANIA</b>        |                         |
| Des Moines 446.000    | Philadelphia 146.430       |                         |