

## Frequenzen D-Star

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**Version vom 13. April 2009, 15:40 Uhr (Quelltext anzeigen)**

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**Aktuelle Version vom 29. Oktober 2014, 19:04 Uhr (Quelltext anzeigen)**

[Oe1kbc](#) ([Diskussion](#) | [Beiträge](#))

(53 dazwischenliegende Versionen von 8 Benutzern werden nicht angezeigt)

**Zeile 1:**

– **[[Kategorie:D-Star]]**

Bei der IARU Konferenz 2008 in Cavtat wurden folgende Frequenzbereiche für D-Star vorgesehen.<br>

Bitte beachten Sie das auch noch analoger Funkbetrieb auf den Frequenzen durchgeführt wird. Beobachten Sie die Frequenz im Mode FM bevor Sie auf D-Star umstellen.

**Zeile 1:**

Bei der IARU Konferenz 2008 in Cavtat wurden folgende Frequenzbereiche für D-Star vorgesehen.<br>

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**Zeile 5:**

= Frequenzen der Österreichischen Relais:  
=

– **== QRG für Wien-AKH: ==**

Repeater: OE1XDS "B"

Frequenz: 438,525 MHz - Shift -7,600 MHz

Repeater: OE1XDS "A"

– Frequenz: 1298,650 MHz - Shift 28,000 MHz

**Zeile 4:**

= Frequenzen der Österreichischen Relais:  
=

+ **== QRG für Wien AKH: ==**

Repeater: OE1XDS "B"

Frequenz: 438,525 MHz - Shift -7,600 MHz

Repeater: OE1XDS "A"

+ Frequenz: 1298,650 MHz - Shift -28,000 **M**  
**Hz derzeit nicht in Betrieb**

+

+ **Standort: AKH 1090 Wien**

+

+ **== QRG für Mönichkirchen ==**

+

|   |   |                                          |                                                             |
|---|---|------------------------------------------|-------------------------------------------------------------|
|   | + | Repeater: OE3XWW "B"                     |                                                             |
|   | + | Frequenz: 438.575 MHz - Shift -7,600 MHz |                                                             |
|   | + |                                          |                                                             |
|   | + | Repeater: OE3XWW "C"                     |                                                             |
|   | + | Frequenz: 145,7625 MHz - Shift -0,6 MHz  |                                                             |
|   | + | Standort: Mönichkirchen                  |                                                             |
|   | + |                                          |                                                             |
|   | + | == QRG für Brentenriegel: ==             |                                                             |
|   | + |                                          |                                                             |
|   | + | Repeater OE4XUB "B"                      |                                                             |
|   | + | Frequenz: 438,550 MHz - Shift -7,6 MHz   |                                                             |
|   | + |                                          |                                                             |
|   | + |                                          |                                                             |
|   | + | == QRG für Linz - Breitenstein: ==       |                                                             |
|   | + | Repeater: OE5XOL "B"                     |                                                             |
|   | + | Frequenz: 438,525 - Shift - 7,600 MHz    |                                                             |
|   |   |                                          |                                                             |
| - |   | Standort: AKH Wien 1090                  |                                                             |
|   |   |                                          |                                                             |
|   |   | == QRG für Graz-Dobl: ==                 |                                                             |
| - |   | Repeater: OE6XDE (neues Rufzeichen)      | +                                                           |
|   |   |                                          | Repeater: OE6XFE "C"                                        |
|   |   |                                          | Frequenz: 145,6375 MHz - Shift - 0,600 MHz                  |
|   |   |                                          |                                                             |
|   |   |                                          |                                                             |
|   |   |                                          | Standort: alter Mittelwellen-Sendemast in Dobl in 125m Höhe |
|   |   |                                          |                                                             |
|   |   |                                          |                                                             |

|                                           |  |                                                  |
|-------------------------------------------|--|--------------------------------------------------|
|                                           |  | + == QRG für Graz-Plabutsch: ==                  |
|                                           |  | + Repeater: OE6XDE "B"                           |
| Frequenz: 438,900 MHz - Shift - 7,600 MHz |  | Frequenz: 438,900 MHz - Shift - 7,600 MHz        |
| - Standort: Sender DOBL                   |  |                                                  |
|                                           |  |                                                  |
|                                           |  | + Standort: Graz-Plabutsch, Fürstenstand         |
|                                           |  |                                                  |
| - == QRG für Linz - Breitenstein: ==      |  | + == QRG für Lachtal Klosterneuburgerhütte:==    |
| - Repeater: OE5XOL                        |  | + Repeater: OE6XDG "C"                           |
| - Frequenz: 438,525 - Shift - 7,600 MHz   |  | + Frequenz: 145.700 MHz - Shift -0,6 MHz         |
| - Standort: Breitenstein                  |  | +                                                |
|                                           |  | + == QRG für Mayrhofen/Zillertal - Ahor nbahn:== |
|                                           |  | + Repeater: OE7XZT "B"                           |
|                                           |  | + Frequenz: 438.975 MHz - Shift -7,6 MHz         |
|                                           |  | +                                                |
|                                           |  | + == QRG für Hintertux/Zillertal - Penken:==     |
|                                           |  | + Repeater: OE7XTT "B"                           |
|                                           |  | + Frequenz: 438.550 MHz - Shift -7,6 MHz         |
|                                           |  | +                                                |
|                                           |  | + == QRG für Kramsach/Rofan - Roskogel:==        |
|                                           |  | + Repeater: OE7XXR "B"                           |
|                                           |  | + Frequenz: 438.200 MHz Shift -7,6 MHz           |
|                                           |  | +                                                |
|                                           |  | + == QRG für Innsbruck - Hoadl:==                |
|                                           |  | + Repeater: OE7XHR "B"                           |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | <b>Frequenz: 438.050 MHz - Shift -7,6 MHz</b>                                                                                                                                                                                                                                                                                                                                                     |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>== QRG für Landeck/Oberland - Krahberg:==</b> |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Repeater: OE7XKR "B"</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Frequenz: 438.500 MHz - Shift -7,6 MHz</b>    |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>== QRG für Pyramidenkogel: ==</b>             |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Repeater: OE8XKK "C"</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Frequenz: 145,5875 MHz - Shift -0.600 MHz</b> |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
| -                | <b>== Direktfrequenzen: ==</b>                                                                                                                                                                                                                                                                                                                                                                                                                                | +                                                | <b>= Direktfrequenzen: =</b>                                                                                                                                                                                                                                                                                                                                                                      |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Zeile 53:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Zeile 102:</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  | Dazu eine Vorbemerkung:                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Dazu eine Vorbemerkung:                                                                                                                                                                                                                                                                                                                                                                           |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                   |
| -                | Es werden in dem D_STAR System immer wieder Änderungen vorgenommen. Teilweise werden Frequenzen und/oder Rufzeichen geändert. Ausserden ist nicht gesichert, dass die hier angeführten Repeater immer qrv sind. Man sollte sich in jedem Fall noch vor der Benützung informieren. Dies geschieht am besten, auch wenn diese Liste nicht immer am aktuellsten Stand ist auf dieser Internetseite: [http://www.jfindu.net/DSTARRepeaters.aspx D-STAR Repeaters] | +                                                | Es werden in dem D_STAR System immer wieder Änderungen vorgenommen. Teilweise werden Frequenzen und/oder Rufzeichen geändert. Ausserden ist nicht gesichert, dass die hier angeführten Repeater immer qrv sind. Man sollte sich in jedem Fall noch vor der Benützung informieren. Dies geschieht am besten, auch wenn diese Liste nicht immer am aktuellsten Stand, ist auf dieser Internetseite: |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +                                                | [http://www.jfindu.net/DSTARRepeaters.aspx D-STAR Repeaters]                                                                                                                                                                                                                                                                                                                                      |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               | +                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |

|                  |                                                              |  |                   |                                                                 |                                                                                                         |
|------------------|--------------------------------------------------------------|--|-------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|                  |                                                              |  |                   |                                                                 | <b>Angeführt ist : Rufzeichen, "A.B.C.D",<br/>Ausgabefrequenz, Shift, Standort in<br/>der Nähe von,</b> |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | == D-STAR Relaisliste Portugal ==                            |  |                   | +                                                               | == D-STAR Relaisliste Portugal: ==                                                                      |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| <b>Zeile 69:</b> |                                                              |  | <b>Zeile 122:</b> |                                                                 |                                                                                                         |
|                  | CQ0DLX B 438,55000<br>-7,6000 Lisboa                         |  |                   | CQ0DLX B 438,55000<br>-7,6000 Lisboa                            |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | CQ0DSA B 438,47500<br>-7,6000 Lisboa <b>S</b>                |  | +                 | CQ0DSA B 438,47500<br>-7,6000 Lisboa <b>Süd</b>                 |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | == D-STAR Relaisliste Deutschland<br>==                      |  | +                 | == D-STAR Relaisliste Deutschland: ==                           |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | <b>X bedeutet "noch"</b> kein Gateway                        |  | +                 | <b>Teilweise</b> noch kein Gateway, <b>daher<br/>nur lokal!</b> |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | DB0AB B 439,45000<br>-0,6000 Arberg <b>X aber<br/>Dongle</b> |  | +                 | DB0AB B 439,45000<br>-0,6000 Arberg                             |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
|                  | DB0ADB B 439,55000<br>-7,6000 Bamberg                        |  |                   | DB0ADB B 439,55000<br>-7,6000 Bamberg                           |                                                                                                         |
| <b>Zeile 82:</b> |                                                              |  | <b>Zeile 135:</b> |                                                                 |                                                                                                         |
|                  | DB0ALG B 439,46250<br>-7,6000 Allgäu                         |  |                   | DB0ALG B 439,46250<br>-7,6000 Allgäu                            |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |
| -                | DB0BHN B 439,53750<br>-7,6000 Bremerhaven <b>X</b>           |  | +                 | DB0BHN B 439,53750<br>-7,6000 Bremerhaven                       |                                                                                                         |
|                  |                                                              |  |                   |                                                                 |                                                                                                         |

|         |          |           |
|---------|----------|-----------|
| DB0BOS  | B        | 439,51250 |
| -7,6000 | Odenwald |           |

|         |          |           |
|---------|----------|-----------|
| DB0BOS  | B        | 439,51250 |
| -7,6000 | Odenwald |           |

**Zeile 88:**

|         |        |           |
|---------|--------|-----------|
| DB0BS   | B      | 439,45000 |
| -7,6000 | Bochum |           |

**Zeile 141:**

|         |        |           |
|---------|--------|-----------|
| DB0BS   | B      | 439,45000 |
| -7,6000 | Bochum |           |

|   |         |      |           |
|---|---------|------|-----------|
| - | DB0DBN  | B    | 439,53125 |
|   | -7,6000 | Bonn | X         |

|   |         |      |           |
|---|---------|------|-----------|
| + | DB0DBN  | B    | 439,53125 |
|   | -7,6000 | Bonn |           |

|         |       |           |
|---------|-------|-----------|
| DB0DDE  | B     | 439,53750 |
| -7,6000 | Essen |           |

|         |       |           |
|---------|-------|-----------|
| DB0DDE  | B     | 439,53750 |
| -7,6000 | Essen |           |

**Zeile 96:**

|         |          |           |
|---------|----------|-----------|
| DB0DDS  | B        | 439,48750 |
| -7,6000 | Dortmund |           |

**Zeile 149:**

|         |          |           |
|---------|----------|-----------|
| DB0DDS  | B        | 439,48750 |
| -7,6000 | Dortmund |           |

|   |         |        |           |
|---|---------|--------|-----------|
| - | DB0DF   | B      | 439,46250 |
|   | -7,6000 | Berlin | X         |

|   |         |        |           |
|---|---------|--------|-----------|
| + | DB0DF   | B      | 439,46250 |
|   | -7,6000 | Berlin |           |

|          |           |            |
|----------|-----------|------------|
| DB0DJ    | A         | 1298,57500 |
| -28,0000 | Karlsruhe |            |

|          |           |            |
|----------|-----------|------------|
| DB0DJ    | A         | 1298,57500 |
| -28,0000 | Karlsruhe |            |

**Zeile 104:**

|         |           |           |
|---------|-----------|-----------|
| DB0DJ   | C         | 145,76250 |
| -0,6000 | Karlsruhe |           |

**Zeile 157:**

|         |           |           |
|---------|-----------|-----------|
| DB0DJ   | C         | 145,76250 |
| -0,6000 | Karlsruhe |           |

|   |         |            |           |
|---|---------|------------|-----------|
| - | DB0DZ   | C          | 145,68750 |
|   | -0,6000 | Düsseldorf | X         |

|   |         |            |           |
|---|---------|------------|-----------|
| + | DB0DZ   | C          | 145,68750 |
|   | -0,6000 | Düsseldorf |           |

|         |              |           |
|---------|--------------|-----------|
| DB0FEU  | B            | 439,50000 |
| -7,6000 | Feuchtwangen |           |

|         |              |           |
|---------|--------------|-----------|
| DB0FEU  | B            | 439,50000 |
| -7,6000 | Feuchtwangen |           |

**Zeile 110:**

|         |              |           |
|---------|--------------|-----------|
| DB0FHW  | B            | 439,48750 |
| -7,6000 | Braunschweig |           |

**Zeile 163:**

|         |              |           |
|---------|--------------|-----------|
| DB0FHW  | B            | 439,48750 |
| -7,6000 | Braunschweig |           |

|   |         |         |           |
|---|---------|---------|-----------|
| - | DB0FS   | B       | 439,56250 |
|   | -7,6000 | Hamburg | N         |

|   |         |         |           |
|---|---------|---------|-----------|
| + | DB0FS   | B       | 439,56250 |
|   | -7,6000 | Hamburg | Nord      |

|                   |                                         |                        |                                    |                   |                    |                           |            |
|-------------------|-----------------------------------------|------------------------|------------------------------------|-------------------|--------------------|---------------------------|------------|
| -                 | DB0FWS<br>-7,6000<br><b>no Traffic</b>  | B<br>Würzburg <b>N</b> | 439,53750<br><b>aktiv aber</b>     | +                 | DB0FWS<br>-7,6000  | B<br>Würzburg <b>Nord</b> | 439,53750  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HAA<br>-7,6000<br><b>Dongle</b>      | B<br>Hagen             | 439,58750<br><b>X aber</b>         | +                 | DB0HAA<br>-7,6000  | B<br>Hagen                | 439,58750  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HMB<br>-28,0000<br><b>no Traffic</b> | A<br>Hamburg           | 1298,72500<br><b>aktiv aber</b>    | +                 | DB0HMB<br>-28,0000 | A<br>Hamburg              | 1298,72500 |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HMB<br>-7,6000<br><b>aber XRF!</b>   | B<br>Hamburg           | 439,51250<br><b>nicht in Liste</b> | +                 | DB0HMB<br>-7,6000  | B<br>Hamburg              | 439,51250  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HOT<br>-7,6000                       | B<br>Lobsdorfer Höhe   | 439,50000<br><b>X</b>              | +                 | DB0HOT<br>-7,6000  | B<br>Lobsdorfer Höhe      | 439,50000  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
|                   | DB0HRF<br>-7,6000                       | B<br>Frankfurt         | 439,45000                          |                   | DB0HRF<br>-7,6000  | B<br>Frankfurt            | 439,45000  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| <b>Zeile 126:</b> |                                         |                        |                                    | <b>Zeile 179:</b> |                    |                           |            |
|                   | DB0HRM<br>-7,6000                       | B<br>Kassel            | 439,52500                          |                   | DB0HRM<br>-7,6000  | B<br>Kassel               | 439,52500  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HRR<br>-0,6000<br><b>no Traffic</b>  | C<br>Bad Hersfeld      | 145,70000<br><b>X und</b>          | +                 | DB0HRR<br>-0,6000  | C<br>Bad Hersfeld         | 145,70000  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| -                 | DB0HSK<br>-7,6000                       | B<br>Meschede          | 439,50625<br><b>X</b>              | +                 | DB0HSK<br>-7,6000  | B<br>Meschede             | 439,50625  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
|                   | DB0IKS<br>-7,6000                       | B<br>Saarbrücken       | 439,46250                          |                   | DB0IKS<br>-7,6000  | B<br>Saarbrücken          | 439,46250  |
|                   |                                         |                        |                                    |                   |                    |                           |            |
| <b>Zeile 134:</b> |                                         |                        |                                    | <b>Zeile 187:</b> |                    |                           |            |
|                   | DB0LBX<br>-7,6000                       | B<br>Stuttgart         | 439,55000                          |                   | DB0LBX<br>-7,6000  | B<br>Stuttgart            | 439,55000  |
|                   |                                         |                        |                                    |                   |                    |                           |            |

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|            |                   |                |                           |            |                   |                     |                           |
|------------|-------------------|----------------|---------------------------|------------|-------------------|---------------------|---------------------------|
| -          | DB0SAT<br>-0,6000 | C<br><b>HH</b> | 145,77500<br>Wilhelmsburg | +          | DB0SAT<br>-0,6000 | C<br><b>Hamburg</b> | 145,77500<br>Wilhelmsburg |
|            |                   |                |                           |            |                   |                     |                           |
|            | DB0SEN<br>-7,6000 | B              | 439,54375<br>Münster      |            | DB0SEN<br>-7,6000 | B                   | 439,54375<br>Münster      |
|            |                   |                |                           |            |                   |                     |                           |
| Zeile 164: |                   |                |                           | Zeile 217: |                   |                     |                           |
|            | DB0SIF<br>-7,6000 | B              | 439,48750<br>Giesen       |            | DB0SIF<br>-7,6000 | B                   | 439,48750<br>Giesen       |
|            |                   |                |                           |            |                   |                     |                           |
| -          | DB0SN<br>-7,6000  | B              | 439,50000<br>Göttingen    | +          | DB0SN<br>-7,6000  | B                   | 439,50000<br>Göttingen    |
|            |                   |                |                           |            |                   |                     |                           |
| -          | DB0SZS<br>-0,6000 | C              | 145,63750<br>Osnabrück    | +          | DB0SZS<br>-0,6000 | C                   | 145,63750<br>Osnabrück    |
|            |                   |                |                           |            |                   |                     |                           |
| -          | DB0SZS<br>-7,6000 | B              | 439,50000<br>Osnabrück    | +          | DB0SZS<br>-7,6000 | B                   | 439,50000<br>Osnabrück    |
|            |                   |                |                           |            |                   |                     |                           |
|            | DB0TVM<br>-7,6000 | B              | 439,57500<br>München      |            | DB0TVM<br>-7,6000 | B                   | 439,57500<br>München      |
|            |                   |                |                           |            |                   |                     |                           |
| Zeile 176: |                   |                |                           | Zeile 229: |                   |                     |                           |
|            | DB0WIM<br>-7,6000 | B              | 439,56250<br>Landau/Pfalz |            | DB0WIM<br>-7,6000 | B                   | 439,56250<br>Landau/Pfalz |
|            |                   |                |                           |            |                   |                     |                           |
| -          | DB0WK<br>-7,6000  | B              | 439,46250<br>Rhön         | +          | DB0WK<br>-7,6000  | B                   | 439,46250<br>Rhön         |
|            |                   |                |                           |            |                   |                     |                           |
|            | DB0WZ<br>-28,0000 | A              | 1298,32500<br>Würzburg    |            | DB0WZ<br>-28,0000 | A                   | 1298,32500<br>Würzburg    |
|            |                   |                |                           |            |                   |                     |                           |
| Zeile 188: |                   |                |                           | Zeile 241: |                   |                     |                           |
|            | DB0XPO<br>-7,6000 | B              | 439,55000<br>Hannover     |            | DB0XPO<br>-7,6000 | B                   | 439,55000<br>Hannover     |
|            |                   |                |                           |            |                   |                     |                           |
| -          | DB0ZB<br>-7,6000  | B              | 439,56250<br>Bayreuth     | +          | DB0ZB<br>-7,6000  | B                   | 439,56250<br>Bayreuth     |
|            | <b>no Traffic</b> |                | <b>aktiv aber</b>         |            |                   |                     |                           |

|            |                                     |           |           |            |                                      |
|------------|-------------------------------------|-----------|-----------|------------|--------------------------------------|
|            |                                     |           |           |            |                                      |
| -          | DB0ZO                               | C         | 145,75000 |            |                                      |
|            | -0,6000                             | Bad Iburg | X         | +          | DB0ZO                                |
|            |                                     |           |           |            | C                                    |
|            |                                     |           |           |            | 145,75000                            |
|            |                                     |           |           |            | -0,6000                              |
|            |                                     |           |           |            | Bad Iburg                            |
|            |                                     |           |           |            |                                      |
| -          | DB0ZO                               | B         | 439,56250 |            |                                      |
|            | -7,6000                             | Bad Iburg | X         | +          | DB0ZO                                |
|            |                                     |           |           |            | B                                    |
|            |                                     |           |           |            | 439,56250                            |
|            |                                     |           |           |            | -7,6000                              |
|            |                                     |           |           |            | Bad Iburg                            |
|            |                                     |           |           |            |                                      |
| -          | DF0HHH                              | B         | 439,57500 |            |                                      |
|            | -7,6000                             | HH        | X         | +          | DF0HHH                               |
|            |                                     |           |           |            | B                                    |
|            |                                     |           |           |            | 439,57500                            |
|            |                                     |           |           |            | -7,6000                              |
|            |                                     |           |           |            | Hamburg                              |
|            |                                     |           |           |            |                                      |
|            | DF0HMR                              | B         | 439,47500 |            |                                      |
|            | -7,6000                             | Duisburg  |           |            | DF0HMR                               |
|            |                                     |           |           |            | B                                    |
|            |                                     |           |           |            | 439,47500                            |
|            |                                     |           |           |            | -7,6000                              |
|            |                                     |           |           |            | Duisburg                             |
|            |                                     |           |           |            |                                      |
| Zeile 212: |                                     |           |           | Zeile 265: |                                      |
|            | DM0XX                               | B         | 439,51250 |            |                                      |
|            | -7,6000                             | Bremen    |           |            | DM0XX                                |
|            |                                     |           |           |            | B                                    |
|            |                                     |           |           |            | 439,51250                            |
|            |                                     |           |           |            | -7,6000                              |
|            |                                     |           |           |            | Bremen                               |
|            |                                     |           |           |            |                                      |
| -          |                                     |           |           | +          | == D-STAR Relaisliste Spanien: ==    |
|            |                                     |           |           |            |                                      |
| -          | == D-STAR Relaisliste Spanien ==    |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
| Zeile 220: |                                     |           |           | Zeile 272: |                                      |
|            | EA5A                                | B         | 438,20000 |            |                                      |
|            | -7,6000                             | Valencia  |           |            | EA5A                                 |
|            |                                     |           |           |            | B                                    |
|            |                                     |           |           |            | 438,20000                            |
|            |                                     |           |           |            | -7,6000                              |
|            |                                     |           |           |            | Valencia                             |
|            |                                     |           |           |            |                                      |
| -          | == D-STAR Relaisliste Frankreich == |           |           | +          | == D-STAR Relaisliste Frankreich: == |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           |            |                                      |
| Zeile 227: |                                     |           |           | Zeile 279: |                                      |
|            | F1ZPL                               | C         | 145,51250 |            |                                      |
|            | -0,6000                             | Paris     |           |            | F1ZPL                                |
|            |                                     |           |           |            | C                                    |
|            |                                     |           |           |            | 145,51250                            |
|            |                                     |           |           |            | -0,6000                              |
|            |                                     |           |           |            | Paris                                |
|            |                                     |           |           |            |                                      |
| -          | == D-STAR Relaisliste Schweiz ==    |           |           | +          | == D-STAR Relaisliste England: ==    |
|            |                                     |           |           |            |                                      |
|            |                                     |           |           | +          |                                      |

|   |                 |                         |                   |  |
|---|-----------------|-------------------------|-------------------|--|
| + | <b>GB7AD</b>    | <b>B</b>                | <b>439,91250</b>  |  |
|   | <b>-9,0000</b>  | <b>Bristol</b>          |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7AI</b>    | <b>B</b>                | <b>430,82500</b>  |  |
|   | <b>7,6000</b>   | <b>London Northwest</b> |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7AU</b>    | <b>B</b>                | <b>439,70000</b>  |  |
|   | <b>-9,0000</b>  | <b>London Northwest</b> |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7CD</b>    | <b>B</b>                | <b>439,70000</b>  |  |
|   | <b>-9,0000</b>  | <b>Bristol West</b>     |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DB</b>    | <b>B</b>                | <b>439,66250</b>  |  |
|   | <b>-9,0000</b>  | <b>London Nord</b>      |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DE</b>    | <b>B</b>                | <b>439,60000</b>  |  |
|   | <b>-9,0000</b>  | <b>Edinburg Nord</b>    |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DE</b>    | <b>C</b>                | <b>145,63750</b>  |  |
|   | <b>-0,6000</b>  | <b>Edinburg Nord</b>    |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DG</b>    | <b>B</b>                | <b>439,70000</b>  |  |
|   | <b>-9,0000</b>  | <b>Glasgow</b>          |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DG</b>    | <b>C</b>                | <b>145,77500</b>  |  |
|   | <b>-0,6000</b>  | <b>Glasgow</b>          |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DS</b>    | <b>A</b>                | <b>1290,15000</b> |  |
|   | <b>-20,0000</b> | <b>Heme Bay</b>         |                   |  |
| + |                 |                         |                   |  |
| + | <b>GB7DV</b>    | <b>B</b>                | <b>439,61250</b>  |  |
|   | <b>-9,0000</b>  | <b>Warnigton</b>        |                   |  |
| + |                 |                         |                   |  |

|   |                 |                     |                   |  |
|---|-----------------|---------------------|-------------------|--|
| + | <b>GB7DW</b>    | <b>C</b>            | <b>145.61250</b>  |  |
|   | <b>-0,6000</b>  | <b>Glasgow Süd</b>  |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7DX</b>    | <b>B</b>            | <b>439,70000</b>  |  |
|   | <b>-9,0000</b>  | <b>Asford</b>       |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7FK</b>    | <b>B</b>            | <b>439,73750</b>  |  |
|   | <b>-9,0000</b>  | <b>Dover</b>        |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7FK</b>    | <b>C</b>            | <b>145,78750</b>  |  |
|   | <b>-0,6000</b>  | <b>Dover</b>        |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7GD</b>    | <b>C</b>            | <b>145,68750</b>  |  |
|   | <b>-0,6000</b>  | <b>Aberdeen</b>     |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7HD</b>    | <b>B</b>            | <b>439,45000</b>  |  |
|   | <b>-9,0000</b>  | <b>Leeds</b>        |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7IC</b>    | <b>A</b>            | <b>1290,65000</b> |  |
|   | <b>-20,0000</b> | <b>Canterburry</b>  |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7IC</b>    | <b>B</b>            | <b>439,45000</b>  |  |
|   | <b>-9,0000</b>  | <b>Canterburry</b>  |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7JF</b>    | <b>B</b>            | <b>439,63750</b>  |  |
|   | <b>-9,0000</b>  | <b>Northhampton</b> |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7JH</b>    | <b>B</b>            | <b>439,71250</b>  |  |
|   | <b>-9,0000</b>  | <b>Worthing</b>     |                   |  |
| + |                 |                     |                   |  |
| + | <b>GB7NM</b>    | <b>B</b>            | <b>439,46250</b>  |  |
|   | <b>-9,0000</b>  | <b>Manchester</b>   |                   |  |
| + |                 |                     |                   |  |

|   |                |                           |                  |  |
|---|----------------|---------------------------|------------------|--|
| + | <b>GB7PI</b>   | <b>B</b>                  | <b>439,91250</b> |  |
|   | <b>-9,0000</b> | <b>Cambridge</b>          |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7SF</b>   | <b>B</b>                  | <b>439,73750</b> |  |
|   | <b>-9,0000</b> | <b>Sheffield</b>          |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7SF</b>   | <b>C</b>                  | <b>145,73750</b> |  |
|   | <b>-0,6000</b> | <b>Sheffield</b>          |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7SS</b>   | <b>B</b>                  | <b>439,73750</b> |  |
|   | <b>-9,0000</b> | <b>Southend</b>           |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7SY</b>   | <b>B</b>                  | <b>439,70000</b> |  |
|   | <b>-9,0000</b> | <b>Birmingham</b>         |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7WC</b>   | <b>B</b>                  | <b>439,78750</b> |  |
|   | <b>-9,0000</b> | <b>Liverpool</b>          |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7WF</b>   | <b>B</b>                  | <b>439,48750</b> |  |
|   | <b>-9,0000</b> | <b>Birmingham Südwest</b> |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7WP</b>   | <b>B</b>                  | <b>439,91250</b> |  |
|   | <b>-9,0000</b> | <b>Liverpool Süd</b>      |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7WT</b>   | <b>B</b>                  | <b>439,60000</b> |  |
|   | <b>-9,0000</b> | <b>Liverpool Central</b>  |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7YD</b>   | <b>B</b>                  | <b>439,60000</b> |  |
|   | <b>-9,0000</b> | <b>Leeds</b>              |                  |  |
| + |                |                           |                  |  |
| + | <b>GB7YD</b>   | <b>C</b>                  | <b>145,67500</b> |  |
|   | <b>-0,6000</b> | <b>Leeds</b>              |                  |  |
| + |                |                           |                  |  |

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|            |                   |                |                 |            |                   |                |                       |
|------------|-------------------|----------------|-----------------|------------|-------------------|----------------|-----------------------|
|            |                   |                |                 |            |                   |                |                       |
| -          | IQ2GM<br>1,6000   | B<br>Milano    | 430,20000<br>NW | +          | IQ2GM<br>1,6000   | B<br>Milano    | 430,20000<br>Nordwest |
|            |                   |                |                 |            |                   |                |                       |
|            | IQ4GS<br>1,6000   | B<br>La Spezia | 431,52500       |            | IQ4GS<br>1,6000   | B<br>La Spezia | 431,52500             |
| Zeile 280: |                   |                |                 | Zeile 406: |                   |                |                       |
|            | IR3UEF<br>-1,1000 | B<br>Padua     | 145,97500       |            | IR3UEF<br>-1,1000 | B<br>Padua     | 145,97500             |
|            |                   |                |                 |            |                   |                |                       |
| -          | IR4UBL<br>5,0000  | B<br>Verona    | 430,56250<br>S  | +          | IR4UBL<br>5,0000  | B<br>Verona    | 430,56250<br>Süd      |
|            |                   |                |                 |            |                   |                |                       |
|            | IR5UH<br>1,6000   | B<br>Firenze   | 431,51200       |            | IR5UH<br>1,6000   | B<br>Firenze   | 431,51200             |
| Zeile 286: |                   |                |                 | Zeile 412: |                   |                |                       |
|            | IR6UBM<br>1,6000  | B<br>Vasto     | 430,11250       |            | IR6UBM<br>1,6000  | B<br>Vasto     | 430,11250             |
|            |                   |                |                 |            |                   |                |                       |
| -          | IR7AZ<br>-1,2500  | C<br>Bari      | 145,97500<br>N  | +          | IR7AZ<br>-1,2500  | C<br>Bari      | 145,97500<br>Nord     |
|            |                   |                |                 |            |                   |                |                       |
| -          | IR7UBA<br>5,0000  | B<br>Bari      | 430,30000<br>S  | +          | IR7UBA<br>5,0000  | B<br>Bari      | 430,30000<br>Süd      |
|            |                   |                |                 |            |                   |                |                       |
|            | IR8AW<br>5,0000   | B<br>Napoli    | 430,42500       |            | IR8AW<br>5,0000   | B<br>Napoli    | 430,42500             |
| Zeile 294: |                   |                |                 | Zeile 420: |                   |                |                       |
|            | IR8BT<br>5,0000   | B<br>Salerno   | 430,45000       |            | IR8BT<br>5,0000   | B<br>Salerno   | 430,45000             |
|            |                   |                |                 |            |                   |                |                       |
| -          | IR8CA<br>5,0000   | B<br>Napoli    | 430,47500<br>S  | +          | IR8CA<br>5,0000   | B<br>Napoli    | 430,47500<br>Süd      |
|            |                   |                |                 |            |                   |                |                       |

|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|------------|--------------------------------------|---|------------|----------|----------|---|--|--|--|------------|---------------------------------------|---|-----------|---------|---------|------|--|--|--|
| -          | IR8CA                                | C | 145,66250  | -0,6000  | Napoli   | S |  |  |  | +          | IR8CA                                 | C | 145,66250 | -0,6000 | Napoli  | Süd  |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | IR8UAF                               | B | 430,50000  | 5,0000   | Napoli   | N |  |  |  | +          | IR8UAF                                | B | 430,50000 | 5,0000  | Napoli  | Nord |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|            | IR9G                                 | C | 145,66250  | -0,6000  | Palermo  |   |  |  |  |            | IR9G                                  | C | 145,66250 | -0,6000 | Palermo |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | == D-STAR Relaisliste Norwegen ==    |   |            |          |          |   |  |  |  | +          | == D-STAR Relaisliste Norwegen: ==    |   |           |         |         |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|            | LD3DV                                | B | 434,52500  | -2,0000  | Oslo     |   |  |  |  |            | LD3DV                                 | B | 434,52500 | -2,0000 | Oslo    |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | == D-STAR Relaisliste Argentinien == |   |            |          |          |   |  |  |  | +          | == D-STAR Relaisliste Argentinien: == |   |           |         |         |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| Zeile 318: |                                      |   |            |          |          |   |  |  |  | Zeile 444: |                                       |   |           |         |         |      |  |  |  |
|            | LU5FB                                | C | 147,03000  | 0,6000   | Rosario  |   |  |  |  |            | LU5FB                                 | C | 147,03000 | 0,6000  | Rosario |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | == D-STAR Relaisliste Österreich ==  |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | OE1XDS                               | A | 1282,00000 | -12,0000 | Wien AKH |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | OE1XDS                               | B | 438,52500  | -7,6000  | Wien AKH |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
| -          | OE5XOL                               | B | 438,52500  | -7,6000  | Linz     |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |
|            |                                      |   |            |          |          |   |  |  |  |            |                                       |   |           |         |         |      |  |  |  |



|                   |                                    |                         |                                     |                   |                |
|-------------------|------------------------------------|-------------------------|-------------------------------------|-------------------|----------------|
| -                 |                                    |                         |                                     |                   |                |
| -                 | <b>OE6XDE</b><br><b>-7,6000</b>    | <b>B</b><br><b>Graz</b> | <b>438,90000</b>                    |                   |                |
|                   |                                    |                         |                                     |                   |                |
| -                 | == D-STAR Relaisliste Belgien ==   | +                       | == D-STAR Relaisliste Belgien: ==   |                   |                |
|                   |                                    |                         |                                     |                   |                |
|                   |                                    |                         |                                     |                   |                |
| <b>Zeile 340:</b> |                                    |                         | <b>Zeile 456:</b>                   |                   |                |
|                   | ON0WV<br>-7,6000                   | B<br>Bruegge            | 439,56250                           | ON0WV<br>-7,6000  | B<br>Bruegge   |
|                   |                                    |                         |                                     |                   |                |
| -                 | == D-STAR Relaisliste Dänemark ==  | +                       | == D-STAR Relaisliste Dänemark: ==  |                   |                |
|                   |                                    |                         |                                     |                   |                |
|                   |                                    |                         |                                     |                   |                |
| <b>Zeile 357:</b> |                                    |                         | <b>Zeile 473:</b>                   |                   |                |
|                   | OZ9RET<br>-0,6000                  | C<br>Visby              | 145,66250                           | OZ9RET<br>-0,6000 | C<br>Visby     |
|                   |                                    |                         |                                     |                   |                |
| -                 | == D-STAR Relaisliste Holland ==   | +                       | == D-STAR Relaisliste Holland: ==   |                   |                |
| -                 |                                    |                         |                                     |                   |                |
|                   |                                    |                         |                                     |                   |                |
|                   |                                    |                         |                                     |                   |                |
| <b>Zeile 365:</b> |                                    |                         | <b>Zeile 480:</b>                   |                   |                |
|                   | PI1HWB<br>7,6000                   | B<br>Rotterdam          | 430,92500                           | PI1HWB<br>7,6000  | B<br>Rotterdam |
|                   |                                    |                         |                                     |                   |                |
| -                 | == D-STAR Relaisliste Brasilien == | +                       | == D-STAR Relaisliste Brasilien: == |                   |                |
|                   |                                    |                         |                                     |                   |                |
|                   |                                    |                         |                                     |                   |                |
| <b>Zeile 371:</b> |                                    |                         | <b>Zeile 486:</b>                   |                   |                |
|                   | PY2KPP<br>-0,6000                  | C<br>Sao Paulo          | 145,41000                           | PY2KPP<br>-0,6000 | C<br>Sao Paulo |
|                   |                                    |                         |                                     |                   |                |

– == D-STAR Relaisliste Slowenien ==

+

== D-STAR Relaisliste Slowenien: ==

Zeile 380:

|         |         |           |
|---------|---------|-----------|
| S55DMX  | B       | 438,35000 |
| -7,6000 | Maribor |           |

Zeile 495:

|         |         |           |
|---------|---------|-----------|
| S55DMX  | B       | 438,35000 |
| -7,6000 | Maribor |           |

– == D-STAR Relaisliste Griechenland ==

+

== D-STAR Relaisliste Griechenland: ==

Zeile 390:

|         |       |           |
|---------|-------|-----------|
| SZ1SV   | B     | 439,42500 |
| -7,6000 | Athen |           |

Zeile 505:

|         |       |           |
|---------|-------|-----------|
| SZ1SV   | B     | 439,42500 |
| -7,6000 | Athen |           |

– == sonstige Länder: ==

+

== D-STAR Relaisliste Canada: ==

+

+

|        |          |           |
|--------|----------|-----------|
| VA2RKA | B        | 446,15000 |
| 5,0000 | Montreal |           |

+

|         |          |           |
|---------|----------|-----------|
| VA2RKB  | C        | 146,89500 |
| -0,6000 | Montreal |           |

+

|          |         |            |
|----------|---------|------------|
| VA3NAG   | A       | 1282,50000 |
| -12,0000 | Buffalo |            |

+

|          |        |            |
|----------|--------|------------|
| VA3ODG   | A      | 1282,00000 |
| -12,0000 | Ottawa |            |

+

|        |        |           |
|--------|--------|-----------|
| VA3ODG | B      | 444,85000 |
| 5,0000 | Ottawa |           |

+

|   |                 |                  |                   |  |
|---|-----------------|------------------|-------------------|--|
| + | <b>VA3ODG</b>   | <b>C</b>         | <b>145,53000</b>  |  |
|   | <b>-0,6000</b>  | <b>Ottawa</b>    |                   |  |
| + |                 |                  |                   |  |
| + | <b>VA7ICM</b>   | <b>A</b>         | <b>1247,00000</b> |  |
|   | <b>12,0000</b>  | <b>Vancouver</b> |                   |  |
| + |                 |                  |                   |  |
| + | <b>VA7ICM</b>   | <b>B</b>         | <b>442,00000</b>  |  |
|   | <b>5,0000</b>   | <b>Vancouver</b> |                   |  |
| + |                 |                  |                   |  |
| + | <b>VA7ICM</b>   | <b>C</b>         | <b>145,04000</b>  |  |
|   | <b>0,6000</b>   | <b>Vancouver</b> |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2LKL</b>   | <b>B</b>         | <b>449,17500</b>  |  |
|   | <b>-5,0000</b>  | <b>Quebec</b>    |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2LKL</b>   | <b>C</b>         | <b>147,27000</b>  |  |
|   | <b>-0,6000</b>  | <b>Quebec</b>    |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2RIO</b>   | <b>A</b>         | <b>1283,00000</b> |  |
|   | <b>-12,0000</b> | <b>Montreal</b>  |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2RIO</b>   | <b>B</b>         | <b>449,92500</b>  |  |
|   | <b>-5,0000</b>  | <b>Montreal</b>  |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2RIO</b>   | <b>C</b>         | <b>144,95000</b>  |  |
|   | <b>-0,6000</b>  | <b>Montreal</b>  |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2RMF</b>   | <b>A</b>         | <b>1283,00000</b> |  |
|   | <b>-20,0000</b> | <b>Quebec</b>    |                   |  |
| + |                 |                  |                   |  |
| + | <b>VE2RMF</b>   | <b>B</b>         | <b>449,92500</b>  |  |
|   | <b>-5,0000</b>  | <b>Quebec</b>    |                   |  |
| + |                 |                  |                   |  |

|   |                                 |                                 |                  |  |
|---|---------------------------------|---------------------------------|------------------|--|
| + | <b>VE2RMF</b><br><b>-0,6000</b> | <b>C</b><br><b>Quebec</b>       | <b>144,95000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE2RQF</b><br><b>-0,6000</b> | <b>C</b><br><b>Sherbrooke</b>   | <b>145,33000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE2RTO</b><br><b>5,0000</b>  | <b>B</b><br><b>Magog</b>        | <b>442,00000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE2RVR</b><br><b>5,0000</b>  | <b>B</b><br><b>Montreal</b>     | <b>444,20000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE2TXD</b><br><b>5,0000</b>  | <b>B</b><br><b>Victonaville</b> | <b>441,17000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE2TXD</b><br><b>0,6000</b>  | <b>C</b><br><b>Victonaville</b> | <b>144,81000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE3RPT</b><br><b>5,0000</b>  | <b>B</b><br><b>Toronto</b>      | <b>443,22500</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE3RXR</b><br><b>-0,6000</b> | <b>C</b><br><b>Sudbury</b>      | <b>145,31000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE3TTT</b><br><b>5,0000</b>  | <b>B</b><br><b>Hamilton</b>     | <b>442,30000</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE3WIK</b><br><b>5,0000</b>  | <b>B</b><br><b>Hamilton</b>     | <b>443,63750</b> |  |
| + |                                 |                                 |                  |  |
| + | <b>VE3WIK</b><br><b>-0,6000</b> | <b>C</b><br><b>Hamilton</b>     | <b>146,71500</b> |  |
| + |                                 |                                 |                  |  |

|   |                                  |                             |                   |  |
|---|----------------------------------|-----------------------------|-------------------|--|
| + | <b>VE3YYZ</b><br><b>-12,0000</b> | <b>A</b><br><b>Toronto</b>  | <b>1287,50000</b> |  |
| + |                                  |                             |                   |  |
| + | <b>VE3YYZ</b><br><b>5,0000</b>   | <b>B</b><br><b>Toronto</b>  | <b>442,70000</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE3YYZ</b><br><b>0,6000</b>   | <b>C</b><br><b>Toronto</b>  | <b>144,93000</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE6GHZ</b><br><b>-12,0000</b> | <b>A</b><br><b>Calgary</b>  | <b>1287,97500</b> |  |
| + |                                  |                             |                   |  |
| + | <b>VE6GHZ</b><br><b>5,0000</b>   | <b>B</b><br><b>Calgary</b>  | <b>444,95000</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE6GHZ</b><br><b>0,6000</b>   | <b>C</b><br><b>Calgary</b>  | <b>147,09000</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE6IPG</b><br><b>12,0000</b>  | <b>A</b><br><b>Calgary</b>  | <b>1275,95000</b> |  |
| + |                                  |                             |                   |  |
| + | <b>VE6IPG</b><br><b>5,0000</b>   | <b>B</b><br><b>Calgary</b>  | <b>444,96250</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE6IPG</b><br><b>0,6000</b>   | <b>C</b><br><b>Calgary</b>  | <b>147,28500</b>  |  |
| + |                                  |                             |                   |  |
| + | <b>VE6KM</b><br><b>???</b>       | <b>A</b><br><b>Edmonton</b> | <b>1295,12950</b> |  |
| + |                                  |                             |                   |  |
| + | <b>VE6KM</b><br><b>5,0000</b>    | <b>B</b><br><b>Edmonton</b> | <b>444,90000</b>  |  |
| + |                                  |                             |                   |  |

|   |                                             |                    |                   |  |
|---|---------------------------------------------|--------------------|-------------------|--|
| + | <b>VE6KM</b>                                | <b>C</b>           | <b>145,47000</b>  |  |
|   | <b>-0,6000</b>                              | <b>Edmonton</b>    |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE6WRN</b>                               | <b>A</b>           | <b>1287,50000</b> |  |
|   | <b>-20,0000</b>                             | <b>Calgary</b>     |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE6WRN</b>                               | <b>B</b>           | <b>444,92500</b>  |  |
|   | <b>5,0000</b>                               | <b>Calgary</b>     |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE6WRN</b>                               | <b>C</b>           | <b>146,80500</b>  |  |
|   | <b>-0,6000</b>                              | <b>Calgary</b>     |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7RAG</b>                               | <b>A</b>           | <b>1291,94000</b> |  |
|   | <b>-20,0000</b>                             | <b>Vancouver</b>   |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7RAG</b>                               | <b>B</b>           | <b>443,40000</b>  |  |
|   | <b>5,0000</b>                               | <b>Vancouver</b>   |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7RAG</b>                               | <b>C</b>           | <b>147,02000</b>  |  |
|   | <b>0,6000</b>                               | <b>Vancouver</b>   |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7VIC</b>                               | <b>A</b>           | <b>1291,50000</b> |  |
|   | <b>-20,0000</b>                             | <b>Victoria</b>    |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7VIC</b>                               | <b>B</b>           | <b>442,00000</b>  |  |
|   | <b>5,0000</b>                               | <b>Victoria</b>    |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VE7VIC</b>                               | <b>C</b>           | <b>145,08000</b>  |  |
|   | <b>0,6000</b>                               | <b>Victoria</b>    |                   |  |
| + |                                             |                    |                   |  |
| + | <b>VO1ILP</b>                               | <b>B</b>           | <b>443,40000</b>  |  |
|   | <b>5,0000</b>                               | <b>Neufundland</b> |                   |  |
| + |                                             |                    |                   |  |
| + | <b>== D-STAR Relaisliste Australien: ==</b> |                    |                   |  |

|   |                                                                                      |
|---|--------------------------------------------------------------------------------------|
| + |                                                                                      |
| + |                                                                                      |
| + | <b>VK2RDS</b> <b>A</b> <b>1273,85000</b><br><b>20,0000</b> <b>Sydney Süd</b>         |
| + |                                                                                      |
| + | <b>VK2RDS</b> <b>B</b> <b>438,05000</b><br><b>-5,4000</b> <b>Sydney Süd</b>          |
| + |                                                                                      |
| + | <b>VK2RDS</b> <b>C</b> <b>146,76250</b><br><b>-0,6000</b> <b>Sydney Süd</b>          |
| + |                                                                                      |
| + | <b>VK2RWN</b> <b>A</b> <b>1273,90000</b><br><b>20,0000</b> <b>Sydney Nord</b>        |
| + |                                                                                      |
| + | <b>VK2RWN</b> <b>B</b> <b>438,40000</b><br><b>-5,4000</b> <b>Sydney Nord</b>         |
| + |                                                                                      |
| + | <b>VK2RWN</b> <b>C</b> <b>146,96250</b><br><b>-0,6000</b> <b>Sydney Nord</b>         |
| + |                                                                                      |
| + | <b>VK3RWW</b> <b>B</b> <b>438,15000</b><br><b>-5,4000</b> <b>Melbourne Northwest</b> |
| + |                                                                                      |
| + | <b>VK4RDS</b> <b>C</b> <b>146,73750</b><br><b>-0,6000</b> <b>Brisbane Nord</b>       |
| + |                                                                                      |
| + | <b>VK4RWN</b> <b>A</b> <b>1273,10000</b><br><b>20,0000</b> <b>Brisbane Süd</b>       |
| + |                                                                                      |
| + | <b>VK4RWN</b> <b>B</b> <b>438,22500</b><br><b>-5,4000</b> <b>Brisbane Süd</b>        |
| + |                                                                                      |
| + | <b>VK4RWN</b> <b>C</b> <b>146,83750</b><br><b>-0,6000</b> <b>Brisbane Süd</b>        |

|   |                                                                         |
|---|-------------------------------------------------------------------------|
| + |                                                                         |
| + | <b>VK5REX      B      438,22500</b><br><b>-5,4000      Port Lincoln</b> |
| + |                                                                         |
| + | <b>VK5RWN      A      1273,70000</b><br><b>20,0000      Adelaide</b>    |
| + |                                                                         |
| + | <b>VK5RWN      B      438,40000</b><br><b>-5,4000      Adelaide</b>     |
| + |                                                                         |
| + | <b>VK5RWN      C      146,93750</b><br><b>-0,6000      Adelaide</b>     |
| + |                                                                         |
| + | <b>VK6RWN      A      1273,90000</b><br><b>20,0000      Perth</b>       |
| + |                                                                         |
| + | <b>VK6RWN      B      438,30000</b><br><b>-5,4000      Perth</b>        |
| + |                                                                         |
| + | <b>VK6RWN      C      146,83750</b><br><b>-0,6000      Perth</b>        |
| + |                                                                         |
| + | <b>VK8RAD      A      1273,40000</b><br><b>20,0000      Darwin</b>      |
| + |                                                                         |
| + | <b>VK8RAD      B      438,75000</b><br><b>-5,0000      Darwin</b>       |
| + |                                                                         |
| + | <b>VK8RAD      C      146,70000</b><br><b>-0,6000      Darwin</b>       |
| + |                                                                         |
| + | <b>== D-STAR Relaisliste USA: ==</b>                                    |
| + |                                                                         |



|   |                                                    |                                |                                       |  |
|---|----------------------------------------------------|--------------------------------|---------------------------------------|--|
| + | <b>AA1HD</b><br><b>5,0000</b>                      | <b>B</b><br><b>Hartford</b>    | <b>442,1500</b><br><b>Connecticut</b> |  |
| + |                                                    |                                |                                       |  |
| + | <b>AA1HD</b><br><b>-0,6000</b>                     | <b>C</b><br><b>Hartford</b>    | <b>145,2600</b><br><b>Connecticut</b> |  |
| + |                                                    |                                |                                       |  |
| + | <b>AK4EG</b><br><b>-20,0000</b><br><b>Cerolina</b> | <b>A</b><br><b>Greensborp</b>  | <b>1284,4000</b>                      |  |
| + |                                                    |                                |                                       |  |
| + | <b>AK4EG</b><br><b>5,0000</b>                      | <b>B</b><br><b>Greensborp</b>  | <b>444,8875</b><br><b>Cerolina</b>    |  |
| + |                                                    |                                |                                       |  |
| + | <b>AK4EG</b><br><b>-0,6000</b>                     | <b>C</b><br><b>Greensborp</b>  | <b>145,3200</b><br><b>Cerolina</b>    |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0HAM</b><br><b>-12,0000</b><br><b>Missouri</b> | <b>A</b><br><b>Kansas City</b> | <b>1287,0000</b>                      |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0HAM</b><br><b>5,0000</b>                      | <b>B</b><br><b>Kansas City</b> | <b>442,1250</b><br><b>Missouri</b>    |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0HAM</b><br><b>-0,6000</b>                     | <b>C</b><br><b>Kansas City</b> | <b>145,1200</b><br><b>Missouri</b>    |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0MDG</b><br><b>-12,0000</b>                    | <b>A</b><br><b>St. Louis</b>   | <b>1285,0000</b><br><b>Missouri</b>   |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0MDG</b><br><b>5,0000</b>                      | <b>B</b><br><b>St. Louis</b>   | <b>442,5750</b><br><b>Missouri</b>    |  |
| + |                                                    |                                |                                       |  |
| + | <b>K0MDG</b><br><b>0,6000</b>                      | <b>C</b><br><b>St. Louis</b>   | <b>147,0375</b><br><b>Missouri</b>    |  |

|   |                                                    |
|---|----------------------------------------------------|
| + |                                                    |
| + | <b>K1HRO      A      1293,1239</b>                 |
| + | <b>-20,0000      Manchester      New Hampshire</b> |
| + |                                                    |
| + | <b>K1HRO      B      444,3500</b>                  |
| + | <b>5,0000      Manchester      New Hampshire</b>   |
| + |                                                    |
| + | <b>K1HRO      C      145,3300</b>                  |
| + | <b>-0,6000      Manchester      New Hampshire</b>  |
| + |                                                    |
| + | <b>K1XC      A      1285,0000</b>                  |
| + | <b>-12,0000      Orlando      Florida</b>          |
| + |                                                    |
| + | <b>K1XC      B      443,2750</b>                   |
| + | <b>5,0000      Orlando      Florida</b>            |
| + |                                                    |
| + | <b>K1XC      C      146,8200</b>                   |
| + | <b>-0,6000      Orlando      Florida</b>           |
| + |                                                    |
| + | <b>K2CC      A      1284,0000</b>                  |
| + | <b>-12,0000      Canton      Vermont</b>           |
| + |                                                    |
| + | <b>K2CC      B      433,3500</b>                   |
| + | <b>5,0000      Canton      Vermont</b>             |
| + |                                                    |
| + | <b>K2DIG      A      1293,0000</b>                 |
| + | <b>-20,0000      Manhattan      New York</b>       |
| + |                                                    |
| + | <b>K2DIG      B      445,2750</b>                  |
| + | <b>-5,0000      Manhattan      New York</b>        |
| + |                                                    |

|   |                 |                    |                  |  |
|---|-----------------|--------------------|------------------|--|
| + | <b>K3PDR</b>    | <b>B</b>           | <b>447,6250</b>  |  |
|   | <b>-5,0000</b>  | <b>Philadephia</b> | <b>New</b>       |  |
|   | <b>Jersy</b>    |                    |                  |  |
| + |                 |                    |                  |  |
| + | <b>K4DSO</b>    | <b>A</b>           | <b>1293,4000</b> |  |
|   | <b>-12,0000</b> | <b>Birmingham</b>  |                  |  |
|   | <b>Alabama</b>  |                    |                  |  |
| + |                 |                    |                  |  |
| + | <b>K4DSO</b>    | <b>B</b>           | <b>443,2000</b>  |  |
|   | <b>5,0000</b>   | <b>Birmingham</b>  | <b>Alabama</b>   |  |
| + |                 |                    |                  |  |
| + | <b>K4DSO</b>    | <b>C</b>           | <b>145,4100</b>  |  |
|   | <b>-0,6000</b>  | <b>Birmingham</b>  | <b>Alabama</b>   |  |
| + |                 |                    |                  |  |
| + | <b>K4WAK</b>    | <b>A</b>           | <b>1293,0000</b> |  |
|   | <b>-20,0000</b> | <b>Tallahassee</b> | <b>Florida</b>   |  |
| + |                 |                    |                  |  |
| + | <b>K4WAK</b>    | <b>B</b>           | <b>443,4500</b>  |  |
|   | <b>5,0000</b>   | <b>Tallahassee</b> | <b>Florida</b>   |  |
| + |                 |                    |                  |  |
| + | <b>K4WAK</b>    | <b>C</b>           | <b>146,8350</b>  |  |
|   | <b>-0,6000</b>  | <b>Tallahassee</b> | <b>Florida</b>   |  |
| + |                 |                    |                  |  |
| + | <b>K5CTX</b>    | <b>A</b>           | <b>1292,1000</b> |  |
|   | <b>-20,0000</b> | <b>Austin</b>      | <b>Texas</b>     |  |
| + |                 |                    |                  |  |
| + | <b>K5CTX</b>    | <b>B</b>           | <b>440,5250</b>  |  |
|   | <b>5,0000</b>   | <b>Austin</b>      | <b>Texas</b>     |  |
| + |                 |                    |                  |  |
| + | <b>K5CTX</b>    | <b>C</b>           | <b>147,3400</b>  |  |
|   | <b>0,6000</b>   | <b>Austin</b>      | <b>Texas</b>     |  |
| + |                 |                    |                  |  |
| + | <b>K5MIJ</b>    | <b>B</b>           | <b>440,6000</b>  |  |
|   | <b>5,0000</b>   | <b>Dallas</b>      | <b>Texas</b>     |  |

|   |                 |                   |                    |  |
|---|-----------------|-------------------|--------------------|--|
| + |                 |                   |                    |  |
| + | <b>K5PLD</b>    | <b>C</b>          | <b>146,4900</b>    |  |
|   | <b>1,0000</b>   | <b>Lhasa</b>      | <b>Tibet</b>       |  |
| + |                 |                   |                    |  |
| + | <b>K5RKN</b>    | <b>B</b>          | <b>444,8250</b>    |  |
|   | <b>5,0000</b>   | <b>Jackson</b>    | <b>Mississippi</b> |  |
| + |                 |                   |                    |  |
| + | <b>K5RKN</b>    | <b>C</b>          | <b>145,1700</b>    |  |
|   | <b>-0,6000</b>  | <b>Jackson</b>    | <b>Mississippi</b> |  |
| + |                 |                   |                    |  |
| + | <b>K5TIT</b>    | <b>A</b>          | <b>1293,0000</b>   |  |
|   | <b>-20,0000</b> | <b>Dallas</b>     | <b>Texas</b>       |  |
| + |                 |                   |                    |  |
| + | <b>K5TIT</b>    | <b>B</b>          | <b>442,0000</b>    |  |
|   | <b>5,0000</b>   | <b>Dallas</b>     | <b>Texas</b>       |  |
| + |                 |                   |                    |  |
| + | <b>K5TIT</b>    | <b>C</b>          | <b>147,3600</b>    |  |
|   | <b>0,6000</b>   | <b>Dallas</b>     | <b>Texas</b>       |  |
| + |                 |                   |                    |  |
| + | <b>K5ZOE</b>    | <b>B</b>          | <b>443,3250</b>    |  |
|   | <b>5,0000</b>   | <b>Columbia</b>   | <b>South</b>       |  |
|   | <b>Carolina</b> |                   |                    |  |
| + |                 |                   |                    |  |
| + | <b>K6ACS</b>    | <b>B</b>          | <b>442,1125</b>    |  |
|   | <b>5,0000</b>   | <b>Santa Rose</b> | <b>California</b>  |  |
| + |                 |                   |                    |  |
| + | <b>K6ACS</b>    | <b>C</b>          | <b>145,0400</b>    |  |
|   | <b>-0,4000</b>  | <b>Santa Rose</b> | <b>California</b>  |  |
| + |                 |                   |                    |  |
| + | <b>K6CHO</b>    | <b>A</b>          | <b>1286,5250</b>   |  |
|   | <b>-12,0000</b> | <b>Chico</b>      | <b>California</b>  |  |
| + |                 |                   |                    |  |
| + | <b>K6CHO</b>    | <b>C</b>          | <b>144,9200</b>    |  |
|   | <b>-0,4000</b>  | <b>Chico</b>      | <b>California</b>  |  |

|   |                                                                                               |
|---|-----------------------------------------------------------------------------------------------|
| + |                                                                                               |
| + | <b>K6LRG      A      1286,6250</b><br><b>-12,0000      San Jose      California</b>           |
| + |                                                                                               |
| + | <b>K6LRG      B      444,6875</b><br><b>5,0000      San Jose      California</b>              |
| + |                                                                                               |
| + | <b>K6MDD      A      1284,2000</b><br><b>-12,0000      San Francisco</b><br><b>California</b> |
| + |                                                                                               |
| + | <b>K6MDD      B      444,1375</b><br><b>5,0000      San Francisco</b><br><b>California</b>    |
| + |                                                                                               |
| + | <b>K6MDD      C      146,5850</b><br><b>1,0000      San Francisco</b><br><b>California</b>    |
| + |                                                                                               |
| + | <b>K6PIT      C      147,2850</b><br><b>0,6000      Pittsburg      California</b>             |
| + |                                                                                               |
| + | <b>K6SOA      A      1282,6000</b><br><b>-12,0000      Los Angeles</b><br><b>California</b>   |
| + |                                                                                               |
| + | <b>K6SOA      B      445,6600</b><br><b>5,0000      Los Angeles</b><br><b>California</b>      |
| + |                                                                                               |
| + | <b>K6SOA      C      146,1150</b><br><b>0,6000      Los Angeles</b><br><b>California</b>      |
| + |                                                                                               |
| + | <b>K6VIS      C      145,5500</b><br><b>-0,6000      Visalia      California</b>              |

|   |                                                                                                  |
|---|--------------------------------------------------------------------------------------------------|
| + |                                                                                                  |
| + | <b>K6VO</b> <b>A</b> <b>1283,0000</b><br><b>-12,0000</b> <b>Irvine</b> <b>California</b>         |
| + |                                                                                                  |
| + | <b>K7WH</b> <b>A</b> <b>1290,0000</b><br><b>-20,0000</b> <b>Herbin</b> <b>China</b>              |
| + |                                                                                                  |
| + | <b>K7WH</b> <b>B</b> <b>443,0000</b><br><b>5,0000</b> <b>Herbin</b> <b>China</b>                 |
| + |                                                                                                  |
| + | <b>K7WH</b> <b>C</b> <b>145,2900</b><br><b>-0,6000</b> <b>Herbin</b> <b>China</b>                |
| + |                                                                                                  |
| + | <b>K7RST</b> <b>A</b> <b>1284,2500</b><br><b>???</b> <b>Tuscon</b> <b>Arizona</b>                |
| + |                                                                                                  |
| + | <b>K7RST</b> <b>B</b> <b>445,9000</b><br><b>???</b> <b>Tuscon</b> <b>Arizona</b>                 |
| + |                                                                                                  |
| + | <b>K7RST</b> <b>C</b> <b>145,1150</b><br><b>???</b> <b>Tuscon</b> <b>Arizona</b>                 |
| + |                                                                                                  |
| + | <b>KI8BIG</b> <b>B</b> <b>444,0000</b><br><b>5,0000</b> <b>Cincinnati</b> <b>Ohio</b>            |
| + |                                                                                                  |
| + | <b>KI8BIG</b> <b>C</b> <b>145,3500</b><br><b>-0,6000</b> <b>Cincinnati</b> <b>Ohio</b>           |
| + |                                                                                                  |
| + | <b>K8ETN</b> <b>C</b> <b>145,2000</b><br><b>???</b> <b>Lansing</b> <b>Michigan</b>               |
| + |                                                                                                  |
| + | <b>K8LCD</b> <b>A</b> <b>1294,4800</b><br><b>-20,0000</b> <b>Detroit West</b><br><b>Michigan</b> |

|   |                                                   |
|---|---------------------------------------------------|
| + |                                                   |
| + | <b>K8LCD</b> <b>B</b> <b>444,0625</b>             |
| + | <b>5,0000</b> <b>Detroid West</b>                 |
|   | <b>Michigan</b>                                   |
| + |                                                   |
| + | <b>K8LCD</b> <b>C</b> <b>147,2100</b>             |
| + | <b>0,6000</b> <b>Detroid West</b>                 |
|   | <b>Michigan</b>                                   |
| + |                                                   |
| + | <b>KC2TGB</b> <b>B</b> <b>444,6500</b>            |
| + | <b>5,0000</b> <b>Philadelphia SO</b> <b>New</b>   |
|   | <b>Jersey</b>                                     |
| + |                                                   |
| + | <b>KC9OKW</b> <b>B</b> <b>443,2500</b>            |
| + | <b>5,0000</b> <b>Chikago West</b> <b>Illinois</b> |
| + |                                                   |
| + | <b>KD0CGR</b> <b>C</b> <b>145,1750</b>            |
| + | <b>-6,0000</b> <b>Omaha</b> <b>Nebraska</b>       |
| + |                                                   |
| + | <b>KD2STR</b> <b>B</b> <b>443,6875</b>            |
| + | <b>5,0000</b> <b>Buffalo</b> <b>New York</b>      |
| + |                                                   |
| + | <b>KD7REX</b> <b>B</b> <b>440,5500</b>            |
| + | <b>5,0000</b> <b>Portland</b> <b>Oregon</b>       |
| + |                                                   |
| + | <b>KD7REX</b> <b>C</b> <b>144,5100</b>            |
| + | <b>3,0000</b> <b>Portland</b> <b>Oregon</b>       |
| + |                                                   |
| + | <b>KD8DRG</b> <b>B</b> <b>442,5750</b>            |
| + | <b>5,0000</b> <b>Akron</b> <b>Ohio</b>            |
| + |                                                   |
| + | <b>KD8DRG</b> <b>C</b> <b>146,9550</b>            |
| + | <b>-0,6000</b> <b>Akron</b> <b>Ohio</b>           |
| + |                                                   |

|   |                                                       |                                 |                                      |  |
|---|-------------------------------------------------------|---------------------------------|--------------------------------------|--|
| + | <b>KE5RCS</b><br><b>-20,0000</b>                      | <b>A</b><br><b>Austin</b>       | <b>1295,1295</b><br><b>Texas</b>     |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE5RCS</b><br><b>5,0000</b>                        | <b>B</b><br><b>Austin</b>       | <b>440,5750</b><br><b>Texas</b>      |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE5RCS</b><br><b>-0,6000</b>                       | <b>C</b><br><b>Austin</b>       | <b>145,1300</b><br><b>Texas</b>      |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7JFH</b><br><b>-12,0000</b><br><b>Arizona</b>    | <b>A</b><br><b>Phoenix West</b> | <b>1295,6500</b>                     |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7JFH</b><br><b>-5,0000</b><br><b>Arizona</b>     | <b>B</b><br><b>Phoenix West</b> | <b>445,9750</b>                      |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7JFH</b><br><b>-0,6000</b><br><b>Arizona</b>     | <b>C</b><br><b>Phoenix West</b> | <b>145,1250</b>                      |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7MVI</b><br><b>5,0000</b>                        | <b>B</b><br><b>Medford</b>      | <b>443,7750</b><br><b>Oregon</b>     |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7WTB</b><br><b>5,0000</b>                        | <b>B</b><br><b>Seattle</b>      | <b>445,6600</b><br><b>Washington</b> |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7WTB</b><br><b>0,6000</b>                        | <b>C</b><br><b>Seattle</b>      | <b>146,1150</b><br><b>Washington</b> |  |
| + |                                                       |                                 |                                      |  |
| + | <b>KE7WTC</b><br><b>-12,0000</b><br><b>Washington</b> | <b>A</b><br><b>Seattle</b>      | <b>1282,6500</b>                     |  |
| + |                                                       |                                 |                                      |  |



|   |                    |                   |                    |  |
|---|--------------------|-------------------|--------------------|--|
| + | <b>KE7WTC</b>      | <b>B</b>          | <b>447,0000</b>    |  |
|   | <b>-5,0000</b>     | <b>Seattle</b>    | <b>Washington</b>  |  |
| + |                    |                   |                    |  |
| + | <b>KE7WTC</b>      | <b>C</b>          | <b>146,6050</b>    |  |
|   | <b>-0,6000</b>     | <b>Seattle</b>    | <b>Washington</b>  |  |
| + |                    |                   |                    |  |
| + | <b>KF6BQK</b>      | <b>B</b>          | <b>449,0800</b>    |  |
|   | <b>-5,0000</b>     | <b>Long Beach</b> |                    |  |
|   | <b>California</b>  |                   |                    |  |
| + |                    |                   |                    |  |
| + | <b>KI4PPF</b>      | <b>A</b>          | <b>1284,0000</b>   |  |
|   | <b>-12,0000</b>    | <b>Hundsville</b> | <b>Alabama</b>     |  |
| + |                    |                   |                    |  |
| + | <b>KI4PPF</b>      | <b>B</b>          | <b>443,3750</b>    |  |
|   | <b>5,0000</b>      | <b>Hundsville</b> | <b>Alabama</b>     |  |
| + |                    |                   |                    |  |
| + | <b>KI4PPF</b>      | <b>C</b>          | <b>145,4300</b>    |  |
|   | <b>-6,0000</b>     | <b>Hundsville</b> | <b>Alabama</b>     |  |
| + |                    |                   |                    |  |
| + | <b>KI4SAZ</b>      | <b>A</b>          | <b>1285,0000</b>   |  |
|   | <b>-20,0000</b>    | <b>Mobile Bay</b> |                    |  |
|   | <b>Mississippi</b> |                   |                    |  |
| + |                    |                   |                    |  |
| + | <b>KI4SAZ</b>      | <b>B</b>          | <b>444,3000</b>    |  |
|   | <b>5,0000</b>      | <b>Mobile Bay</b> | <b>Mississippi</b> |  |
| + |                    |                   |                    |  |
| + | <b>KI4SAZ</b>      | <b>C</b>          | <b>145,3100</b>    |  |
|   | <b>-0,6000</b>     | <b>Mobile Bay</b> | <b>Mississippi</b> |  |
| + |                    |                   |                    |  |
| + | <b>KI4SBA</b>      | <b>A</b>          | <b>1284,4000</b>   |  |
|   | <b>-12,0000</b>    | <b>Atlanta</b>    | <b>Georgia</b>     |  |
| + |                    |                   |                    |  |
| + | <b>KI4SBA</b>      | <b>B</b>          | <b>444,3500</b>    |  |
|   | <b>5,0000</b>      | <b>Atlanta</b>    | <b>Georgia</b>     |  |

|   |                                                                                                |
|---|------------------------------------------------------------------------------------------------|
| + |                                                                                                |
| + | <b>KI4SBA</b> <b>C</b> <b>145,2000</b><br><b>-0,6000</b> <b>Atlanta</b> <b>Georgia</b>         |
| + |                                                                                                |
| + | <b>KI4SBB</b> <b>A</b> <b>1282,5000</b><br><b>-12,0000</b> <b>Birmingham</b><br><b>Alabama</b> |
| + |                                                                                                |
| + | <b>KI4SBB</b> <b>B</b> <b>443,9750</b><br><b>5,0000</b> <b>Birmingham</b> <b>Alabama</b>       |
| + |                                                                                                |
| + | <b>KI4SBB</b> <b>C</b> <b>145,4800</b><br><b>0,6000</b> <b>Birmingham</b> <b>Alabama</b>       |
| + |                                                                                                |
| + | <b>KI4TMJ</b> <b>A</b> <b>1284,0000</b><br><b>-12,0000</b> <b>Gulfport</b> <b>Mississippi</b>  |
| + |                                                                                                |
| + | <b>KI4TMJ</b> <b>B</b> <b>444,4750</b><br><b>5,0000</b> <b>Gulfport</b> <b>Mississippi</b>     |
| + |                                                                                                |
| + | <b>KI4TMJ</b> <b>C</b> <b>145,1700</b><br><b>-0,6000</b> <b>Gulfport</b> <b>Mississippi</b>    |
| + |                                                                                                |
| + | <b>KI4WXS</b> <b>A</b> <b>1284,0000</b><br><b>-12,0000</b> <b>Gstonia</b> <b>Carolina</b>      |
| + |                                                                                                |
| + | <b>KI4WXS</b> <b>B</b> <b>443,8625</b><br><b>5,0000</b> <b>Gstonia</b> <b>Carolina</b>         |
| + |                                                                                                |
| + | <b>KI4WXS</b> <b>C</b> <b>145,1400</b><br><b>-0,6000</b> <b>Gstonia</b> <b>Carolina</b>        |
| + |                                                                                                |

|   |                   |                    |                   |  |
|---|-------------------|--------------------|-------------------|--|
|   | <b>KI6IKA</b>     | <b>B</b>           | <b>447,2000</b>   |  |
| + | <b>-5,0000</b>    | <b>Los Angeles</b> |                   |  |
|   | <b>California</b> |                    |                   |  |
| + |                   |                    |                   |  |
|   | <b>KI6JUL</b>     | <b>A</b>           | <b>1286,5250</b>  |  |
| + | <b>-12,0000</b>   | <b>Los Angeles</b> |                   |  |
|   | <b>California</b> |                    |                   |  |
| + |                   |                    |                   |  |
|   | <b>KI6JUL</b>     | <b>C</b>           | <b>145,6800</b>   |  |
| + | <b>-0,6000</b>    | <b>San Jose</b>    | <b>California</b> |  |
| + |                   |                    |                   |  |
|   | <b>KI6KQU</b>     | <b>B</b>           | <b>447,8400</b>   |  |
| + | <b>-5,0000</b>    | <b>San Diego</b>   | <b>California</b> |  |
| + |                   |                    |                   |  |
|   | <b>KI6MGN</b>     | <b>B</b>           | <b>445,8600</b>   |  |
| + | <b>-5,0000</b>    | <b>San Diego N</b> |                   |  |
|   | <b>California</b> |                    |                   |  |
| + |                   |                    |                   |  |
|   | <b>KI6MGN</b>     | <b>C</b>           | <b>145,5850</b>   |  |
| + | <b>-0,6000</b>    | <b>San Diego N</b> |                   |  |
|   | <b>California</b> |                    |                   |  |
| + |                   |                    |                   |  |
|   | <b>KJ4ACN</b>     | <b>A</b>           | <b>1293,5500</b>  |  |
| + | <b>-20,0000</b>   | <b>Tampa</b>       | <b>Florida</b>    |  |
| + |                   |                    |                   |  |
|   | <b>KJ4ACN</b>     | <b>B</b>           | <b>444,7750</b>   |  |
| + | <b>5,0000</b>     | <b>Tampa</b>       | <b>Florida</b>    |  |
| + |                   |                    |                   |  |
|   | <b>KJ4ACN</b>     | <b>C</b>           | <b>147,3750</b>   |  |
| + | <b>0,6000</b>     | <b>Tampa</b>       | <b>Florida</b>    |  |
| + |                   |                    |                   |  |
|   | <b>KJ4ARB</b>     | <b>A</b>           | <b>1293,0000</b>  |  |
| + | <b>-20,0000</b>   | <b>Tampa</b>       | <b>Florida</b>    |  |
| + |                   |                    |                   |  |

|   |                                  |                              |                                    |  |
|---|----------------------------------|------------------------------|------------------------------------|--|
| + | <b>KI4ARB</b><br><b>5,0000</b>   | <b>B</b><br><b>Tampa</b>     | <b>444,6750</b><br><b>Florida</b>  |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4ARB</b><br><b>0,6000</b>   | <b>C</b><br><b>Tampa</b>     | <b>147,0100</b><br><b>Florida</b>  |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4BDF</b><br><b>???</b>      | <b>B</b><br><b>Atlanta</b>   | <b>440,7250</b><br><b>Gorgia</b>   |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4BWK</b><br><b>5,0000</b>   | <b>B</b><br><b>Columbia</b>  | <b>443,2000</b><br><b>Carolina</b> |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4BWK</b><br><b>-0,6000</b>  | <b>C</b><br><b>Columbia</b>  | <b>145,4000</b><br><b>Carolina</b> |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4BYI</b><br><b>5,0000</b>   | <b>B</b><br><b>Tampa</b>     | <b>442,7625</b><br><b>Florida</b>  |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4FCS</b><br><b>5,0000</b>   | <b>B</b><br><b>Columbia</b>  | <b>442,7750</b><br><b>Carolina</b> |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4GGV</b><br><b>-12,0000</b> | <b>A</b><br><b>Savannah</b>  | <b>1282,7000</b><br><b>Gorgia</b>  |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4GGV</b><br><b>5,0000</b>   | <b>B</b><br><b>Savannah</b>  | <b>440,7000</b><br><b>Gorgia</b>   |  |
| + |                                  |                              |                                    |  |
| + | <b>KI4GGV</b><br><b>-0,6000</b>  | <b>C</b><br><b>Savannah</b>  | <b>145,3000</b><br><b>Gorgia</b>   |  |
| + |                                  |                              |                                    |  |
| + | <b>KL7FF</b><br><b>0,6000</b>    | <b>C</b><br><b>Ketchikan</b> | <b>147,3800</b><br><b>Alaska</b>   |  |
| + |                                  |                              |                                    |  |

|   |                  |                    |                  |  |
|---|------------------|--------------------|------------------|--|
| + | <b>KR7ST</b>     | <b>A</b>           | <b>1284,7500</b> |  |
|   | <b>-12,0000</b>  | <b>Tuscon</b>      | <b>Arizona</b>   |  |
| + |                  |                    |                  |  |
| + | <b>KR7ST</b>     | <b>B</b>           | <b>445,9500</b>  |  |
|   | <b>-5,0000</b>   | <b>Tuscon</b>      | <b>Arizona</b>   |  |
| + |                  |                    |                  |  |
| + | <b>KR7ST</b>     | <b>C</b>           | <b>147,4100</b>  |  |
|   | <b>-1,0000</b>   | <b>Tuscon</b>      | <b>Arizona</b>   |  |
| + |                  |                    |                  |  |
| + | <b>KT7APR</b>    | <b>B</b>           | <b>443,6250</b>  |  |
|   | <b>5,0000</b>    | <b>Lima</b>        | <b>Ohio</b>      |  |
| + |                  |                    |                  |  |
| + | <b>KX4DOR</b>    | <b>B</b>           | <b>442,8375</b>  |  |
|   | <b>5,0000</b>    | <b>Charleston</b>  | <b>South</b>     |  |
|   | <b>Carolina</b>  |                    |                  |  |
| + |                  |                    |                  |  |
| + | <b>KX4DOR</b>    | <b>C</b>           | <b>145,2800</b>  |  |
|   | <b>-0,6000</b>   | <b>Charleston</b>  | <b>South</b>     |  |
|   | <b>Carolina</b>  |                    |                  |  |
| + |                  |                    |                  |  |
| + | <b>N1HIT</b>     | <b>B</b>           | <b>448,8750</b>  |  |
|   | <b>-5,0000</b>   | <b>Manchester</b>  | <b>New</b>       |  |
|   | <b>Hampshire</b> |                    |                  |  |
| + |                  |                    |                  |  |
| + | <b>N1HIT</b>     | <b>C</b>           | <b>145,4000</b>  |  |
|   | <b>-0,6000</b>   | <b>Manchester</b>  | <b>New</b>       |  |
|   | <b>Hampshire</b> |                    |                  |  |
| + |                  |                    |                  |  |
| + | <b>N4USI</b>     | <b>B</b>           | <b>442,4125</b>  |  |
|   | <b>5,0000</b>    | <b>Washigton W</b> |                  |  |
|   | <b>Maryland</b>  |                    |                  |  |
| + |                  |                    |                  |  |
| + | <b>N4USI</b>     | <b>C</b>           | <b>145,4500</b>  |  |
|   | <b>-0,6000</b>   | <b>Washigton W</b> |                  |  |
|   | <b>Maryland</b>  |                    |                  |  |
| + |                  |                    |                  |  |

|   |                 |                    |                   |  |
|---|-----------------|--------------------|-------------------|--|
| + | <b>N7ARR</b>    | <b>B</b>           | <b>446,8000</b>   |  |
|   | <b>-5,0000</b>  | <b>Las Vegas</b>   | <b>Nevada</b>     |  |
| + |                 |                    |                   |  |
| + | <b>N7CI</b>     | <b>B</b>           | <b>445,8500</b>   |  |
|   | <b>-5,0000</b>  | <b>Phoenix Ost</b> | <b>Arizona</b>    |  |
| + |                 |                    |                   |  |
| + | <b>N7IH</b>     | <b>A</b>           | <b>1294,0000</b>  |  |
|   | <b>-20,0000</b> | <b>Seattle</b>     | <b>Washington</b> |  |
| + |                 |                    |                   |  |
| + | <b>N7IH</b>     | <b>B</b>           | <b>443,5750</b>   |  |
|   | <b>5,0000</b>   | <b>Seattle</b>     | <b>Washington</b> |  |
| + |                 |                    |                   |  |
| + | <b>N7IH</b>     | <b>C</b>           | <b>145,2900</b>   |  |
|   | <b>0,6000</b>   | <b>Seattle</b>     | <b>Washington</b> |  |
| + |                 |                    |                   |  |
| + | <b>NE4SC</b>    | <b>B</b>           | <b>442,7875</b>   |  |
|   | <b>5.0000</b>   | <b>Conway</b>      | <b>South</b>      |  |
|   | <b>Carolina</b> |                    |                   |  |
| + |                 |                    |                   |  |
| + | <b>NE4SC</b>    | <b>C</b>           | <b>144,9800</b>   |  |
|   | <b>2,5000</b>   | <b>Conway</b>      | <b>South</b>      |  |
|   | <b>Carolina</b> |                    |                   |  |
| + |                 |                    |                   |  |
| + | <b>NI4CE</b>    | <b>B</b>           | <b>444,4250</b>   |  |
|   | <b>5,0000</b>   | <b>Tampa SO</b>    | <b>Florida</b>    |  |
| + |                 |                    |                   |  |
| + | <b>NJ2DG</b>    | <b>A</b>           | <b>1284,0000</b>  |  |
|   | <b>-12,0000</b> | <b>New York SW</b> | <b>New</b>        |  |
|   | <b>Jersey</b>   |                    |                   |  |
| + |                 |                    |                   |  |
| + | <b>NJ2DG</b>    | <b>B</b>           | <b>441,6500</b>   |  |
|   | <b>5,0000</b>   | <b>New York SW</b> | <b>New</b>        |  |
|   | <b>Jersey</b>   |                    |                   |  |
| + |                 |                    |                   |  |

|   |                 |                       |                  |  |
|---|-----------------|-----------------------|------------------|--|
|   | <b>NI2DG</b>    | <b>C</b>              | <b>145,1400</b>  |  |
| + | <b>-0,6000</b>  | <b>New York SW</b>    | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NI2DS</b>    | <b>A</b>              | <b>1255,3000</b> |  |
| + | <b>12,0000</b>  | <b>Philadelphia S</b> | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NI2DS</b>    | <b>B</b>              | <b>447,4750</b>  |  |
| + | <b>-5,0000</b>  | <b>Philadelphia S</b> | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NI2DS</b>    | <b>C</b>              | <b>146,7750</b>  |  |
| + | <b>-0,6000</b>  | <b>Philadelphia S</b> | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NI2MC</b>    | <b>B</b>              | <b>446,6250</b>  |  |
| + | <b>???</b>      | <b>New York W</b>     | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NI2MC</b>    | <b>C</b>              | <b>146,7150</b>  |  |
| + | <b>???</b>      | <b>New York W</b>     | <b>New</b>       |  |
|   | <b>Jersey</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NM5WR</b>    | <b>B</b>              | <b>442,4250</b>  |  |
| + | <b>5,0000</b>   | <b>Santa FE</b>       | <b>New</b>       |  |
|   | <b>Mexico</b>   |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NS9RC</b>    | <b>A</b>              | <b>1292,2000</b> |  |
| + | <b>-20,0000</b> | <b>Cikago</b>         | <b>Iowa</b>      |  |
|   |                 |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NS9RC</b>    | <b>B</b>              | <b>442,0938</b>  |  |
| + | <b>5,0000</b>   | <b>Cikago</b>         | <b>Iowa</b>      |  |
|   |                 |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>NT5RN</b>    | <b>A</b>              | <b>1293,5000</b> |  |
| + | <b>-20,0000</b> | <b>Dallas</b>         | <b>Texas</b>     |  |

|   |                                                                                                 |
|---|-------------------------------------------------------------------------------------------------|
| + |                                                                                                 |
| + | <b>NT5RN</b> <b>B</b> <b>443,0250</b><br><b>5,0000</b> <b>Dallas</b> <b>Texas</b>               |
| + |                                                                                                 |
| + | <b>NT5RN</b> <b>C</b> <b>145,1500</b><br><b>-0,6000</b> <b>Dallas</b> <b>Texas</b>              |
| + |                                                                                                 |
| + | <b>NV4FM</b> <b>A</b> <b>1282,8000</b><br><b>-12,0000</b> <b>Washigton W</b><br><b>Maryland</b> |
| + |                                                                                                 |
| + | <b>NV4FM</b> <b>B</b> <b>448,0350</b><br><b>-5,0000</b> <b>Washigton W</b><br><b>Maryland</b>   |
| + |                                                                                                 |
| + | <b>NV4FM</b> <b>C</b> <b>145,3400</b><br><b>-6,0000</b> <b>Washigton W</b><br><b>Maryland</b>   |
| + |                                                                                                 |
| + | <b>W0CDS</b> <b>A</b> <b>1283,9625</b><br><b>-12,0000</b> <b>Denver</b> <b>Colorado</b>         |
| + |                                                                                                 |
| + | <b>W0CDS</b> <b>B</b> <b>446,9625</b><br><b>-5,0000</b> <b>Denver</b> <b>Colorado</b>           |
| + |                                                                                                 |
| + | <b>W0CDS</b> <b>C</b> <b>145,2500</b><br><b>-0,6000</b> <b>Denver</b> <b>Colorado</b>           |
| + |                                                                                                 |
| + | <b>W0CW</b> <b>A</b> <b>1285,0500</b><br><b>-12,0000</b> <b>Kansas City</b> <b>Kansas</b>       |
| + |                                                                                                 |
| + | <b>W0CW</b> <b>B</b> <b>443,4000</b><br><b>5,0000</b> <b>Kansas City</b> <b>Kansas</b>          |
| + |                                                                                                 |



|   |                                |                                |                                          |  |
|---|--------------------------------|--------------------------------|------------------------------------------|--|
| + | <b>W0MAO</b><br><b>5,0000</b>  | <b>B</b><br><b>Lincoln</b>     | <b>442,2500</b><br><b>Nebraska</b>       |  |
| + |                                |                                |                                          |  |
| + | <b>W0MAO</b><br><b>-0,6000</b> | <b>C</b><br><b>Lincoln</b>     | <b>145,2500</b><br><b>Nebraska</b>       |  |
| + |                                |                                |                                          |  |
| + | <b>W0OMD</b><br><b>5,0000</b>  | <b>B</b><br><b>Springfield</b> | <b>442,2250</b><br><b>Missouri</b>       |  |
| + |                                |                                |                                          |  |
| + | <b>W0OMD</b><br><b>-0,6000</b> | <b>C</b><br><b>Springfield</b> | <b>146,7750</b><br><b>Missouri</b>       |  |
| + |                                |                                |                                          |  |
| + | <b>W0SCI</b><br><b>5,0000</b>  | <b>B</b><br><b>Des Moines</b>  | <b>443,1750</b><br><b>Iowa</b>           |  |
| + |                                |                                |                                          |  |
| + | <b>W0SCI</b><br><b>-0,6000</b> | <b>C</b><br><b>Des Moines</b>  | <b>145,3500</b><br><b>Iowa</b>           |  |
| + |                                |                                |                                          |  |
| + | <b>W1IXU</b><br><b>???</b>     | <b>B</b><br><b>Bristol</b>     | <b>448,3750</b><br><b>Connecticut</b>    |  |
| + |                                |                                |                                          |  |
| + | <b>W1IXU</b><br><b>???</b>     | <b>C</b><br><b>Bristol</b>     | <b>147,4150</b><br><b>Connecticut</b>    |  |
| + |                                |                                |                                          |  |
| + | <b>W1KK</b><br><b>-12,0000</b> | <b>A</b><br><b>Chicopee</b>    | <b>1282,5000</b><br><b>Massachusetts</b> |  |
| + |                                |                                |                                          |  |
| + | <b>W1KK</b><br><b>-5,0000</b>  | <b>B</b><br><b>Chicopee</b>    | <b>449,1750</b><br><b>Massachusetts</b>  |  |
| + |                                |                                |                                          |  |
| + | <b>W1KK</b><br><b>-0,6000</b>  | <b>C</b><br><b>Chicopee</b>    | <b>145,1500</b><br><b>Massachusetts</b>  |  |

|   |                                                             |
|---|-------------------------------------------------------------|
| + |                                                             |
| + | <b>W2DGL      A      1293,0500</b>                          |
| + | <b>-20,0000      New York W      New</b><br><b>Jersey</b>   |
| + |                                                             |
| + | <b>W2DGL      C      146,4450</b>                           |
| + | <b>1,0000      New York W      New</b><br><b>Jersey</b>     |
| + |                                                             |
| + | <b>W3EOC      A      1255,5000</b>                          |
| + | <b>12,0000      Philadelphia West</b><br><b>Pensilvenia</b> |
| + |                                                             |
| + | <b>W3EOC      B      445,0750</b>                           |
| + | <b>-5,0000      Philadelphia West</b><br><b>Pensilvenia</b> |
| + |                                                             |
| + | <b>W3EOC      C      146,4900</b>                           |
| + | <b>1,0000      Philadelphia West</b><br><b>Pensilvenia</b>  |
| + |                                                             |
| + | <b>W3EXW      B      444,3500</b>                           |
| + | <b>5,0000      Pittsburg      Pensilvenia</b>               |
| + |                                                             |
| + | <b>W3OI      B      445,0250</b>                            |
| + | <b>-5,0000      Pittsburg      Pensilvenia</b>              |
| + |                                                             |
| + | <b>W3OI      C      147,1650</b>                            |
| + | <b>0,6000      Allentown</b><br><b>Pensilvenia</b>          |
| + |                                                             |
| + | <b>W4AES      A      1291,3000</b>                          |
| + | <b>-20,0000      Orlando      Florida</b>                   |
| + |                                                             |
| + | <b>W4AES      B      442,0250</b>                           |
| + | <b>5,0000      Orlando      Florida</b>                     |

|   |                                                                               |
|---|-------------------------------------------------------------------------------|
| + |                                                                               |
| + | <b>W4AES C 145,2900</b><br><b>-6,0000 Orlando Florida</b>                     |
| + |                                                                               |
| + | <b>W4AP A 1284,0000</b><br><b>-12,0000 Montgomery</b><br><b>Alabama</b>       |
| + |                                                                               |
| + | <b>W4AP B 443,9750</b><br><b>5,0000 Montgomery</b><br><b>Alabama</b>          |
| + |                                                                               |
| + | <b>W4AP C 146,9200</b><br><b>-0,6000 Montgomery</b><br><b>Alabama</b>         |
| + |                                                                               |
| + | <b>W4BBR A 1284,6000</b><br><b>-12,0000 Virginia Beach</b><br><b>Virginia</b> |
| + |                                                                               |
| + | <b>W4BBR B 441,9000</b><br><b>5,0000 Virginia Beach</b><br><b>Virginia</b>    |
| + |                                                                               |
| + | <b>W4BBR C 145,3500</b><br><b>-0,6000 Virginia Beach</b><br><b>Virginia</b>   |
| + |                                                                               |
| + | <b>W4BUG A 1291,6000</b><br><b>-20,0000 Fort Lauderdale</b><br><b>Florida</b> |
| + |                                                                               |
| + | <b>W4BUG B 442,2000</b><br><b>5,0000 Fort Lauderdale</b><br><b>Florida</b>    |
| + |                                                                               |

|   |                 |                        |                  |  |
|---|-----------------|------------------------|------------------|--|
| + | <b>W4BUG</b>    | <b>C</b>               | <b>145.3400</b>  |  |
|   | <b>-0,6000</b>  | <b>Fort Lauderdale</b> |                  |  |
|   | <b>Florida</b>  |                        |                  |  |
| + |                 |                        |                  |  |
| + | <b>W4DOC</b>    | <b>A</b>               | <b>1282,6000</b> |  |
|   | <b>-12,0000</b> | <b>Atlanta</b>         | <b>Alabama</b>   |  |
| + |                 |                        |                  |  |
| + | <b>W4DOC</b>    | <b>B</b>               | <b>440,6000</b>  |  |
|   | <b>???</b>      | <b>Atlanta</b>         | <b>Alabama</b>   |  |
| + |                 |                        |                  |  |
| + | <b>W4DOC</b>    | <b>C</b>               | <b>145,3500</b>  |  |
|   | <b>-0,6000</b>  | <b>Atlanta</b>         | <b>Alabama</b>   |  |
| + |                 |                        |                  |  |
| + | <b>W4DSI</b>    | <b>B</b>               | <b>444,1250</b>  |  |
|   | <b>5,0000</b>   | <b>Lexigton</b>        | <b>Kentuky</b>   |  |
| + |                 |                        |                  |  |
| + | <b>W4DSI</b>    | <b>C</b>               | <b>146.9400</b>  |  |
|   | <b>-0,6000</b>  | <b>Lexigton</b>        | <b>Kentuky</b>   |  |
| + |                 |                        |                  |  |
| + | <b>W4HFH</b>    | <b>A</b>               | <b>1284,6000</b> |  |
|   | <b>-12,0000</b> | <b>Washigton W</b>     |                  |  |
|   | <b>Maryland</b> |                        |                  |  |
| + |                 |                        |                  |  |
| + | <b>W4HFH</b>    | <b>B</b>               | <b>442,0600</b>  |  |
|   | <b>5,0000</b>   | <b>Washigton W</b>     |                  |  |
|   | <b>Maryland</b> |                        |                  |  |
| + |                 |                        |                  |  |
| + | <b>W4HFH</b>    | <b>C</b>               | <b>145,3800</b>  |  |
|   | <b>-0,6000</b>  | <b>Washigton W</b>     |                  |  |
|   | <b>Maryland</b> |                        |                  |  |
| + |                 |                        |                  |  |
| + | <b>W4HRS</b>    | <b>A</b>               | <b>1284,2250</b> |  |
|   | <b>-12,5000</b> | <b>Charleston</b>      | <b>South</b>     |  |
|   | <b>Carolina</b> |                        |                  |  |
| + |                 |                        |                  |  |

|   |                  |                       |                  |  |
|---|------------------|-----------------------|------------------|--|
|   | <b>W4HRS</b>     | <b>B</b>              | <b>444,1125</b>  |  |
| + | <b>5,0000</b>    | <b>Charleston</b>     | <b>South</b>     |  |
|   | <b>Carolina</b>  |                       |                  |  |
| + |                  |                       |                  |  |
|   | <b>W4HRS</b>     | <b>C</b>              | <b>145,1600</b>  |  |
| + | <b>-0,6000</b>   | <b>Charleston</b>     | <b>South</b>     |  |
|   | <b>Carolina</b>  |                       |                  |  |
| + |                  |                       |                  |  |
|   | <b>W4KCQ</b>     | <b>A</b>              | <b>1284,4000</b> |  |
| + | <b>-20,0000</b>  | <b>Tuscalosa</b>      | <b>Alabama</b>   |  |
| + |                  |                       |                  |  |
|   | <b>W4KCQ</b>     | <b>B</b>              | <b>442,0750</b>  |  |
| + | <b>5,0000</b>    | <b>Tuscalosa</b>      | <b>Alabama</b>   |  |
| + |                  |                       |                  |  |
|   | <b>W4KCQ</b>     | <b>C</b>              | <b>146,6050</b>  |  |
| + | <b>-0,6000</b>   | <b>Tuscalosa</b>      | <b>Alabama</b>   |  |
| + |                  |                       |                  |  |
|   | <b>W4PL</b>      | <b>A</b>              | <b>1291,0000</b> |  |
| + | <b>-20,0000</b>  | <b>Chattanooga</b>    |                  |  |
|   | <b>Tennessee</b> |                       |                  |  |
| + |                  |                       |                  |  |
|   | <b>W4PL</b>      | <b>B</b>              | <b>443,1500</b>  |  |
| + | <b>5,0000</b>    | <b>Chattanooga</b>    |                  |  |
|   | <b>Tennessee</b> |                       |                  |  |
| + |                  |                       |                  |  |
|   | <b>W4PL</b>      | <b>C</b>              | <b>145,2900</b>  |  |
| + | <b>-0,6000</b>   | <b>Chattanooga</b>    |                  |  |
|   | <b>Tennessee</b> |                       |                  |  |
| + |                  |                       |                  |  |
|   | <b>W4RNT</b>     | <b>B</b>              | <b>444,8125</b>  |  |
| + | <b>5,0000</b>    | <b>Tampa</b>          | <b>Florida</b>   |  |
| + |                  |                       |                  |  |
|   | <b>W4TTR</b>     | <b>B</b>              | <b>442,9000</b>  |  |
| + | <b>5,0000</b>    | <b>Birmingham Ost</b> |                  |  |
|   | <b>Alabama</b>   |                       |                  |  |
| + |                  |                       |                  |  |

|   |                 |                       |                  |  |
|---|-----------------|-----------------------|------------------|--|
|   | <b>W4TTR</b>    | <b>C</b>              | <b>145,3500</b>  |  |
| + | <b>-0,6000</b>  | <b>Birmingham Ost</b> |                  |  |
|   | <b>Alabama</b>  |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>W4WBC</b>    | <b>A</b>              | <b>1283,5000</b> |  |
| + | <b>-12,0000</b> | <b>Huntsvilla</b>     | <b>Alabama</b>   |  |
| + |                 |                       |                  |  |
|   | <b>W4WBC</b>    | <b>B</b>              | <b>443,4250</b>  |  |
| + | <b>5,0000</b>   | <b>Huntsvilla</b>     | <b>Alabama</b>   |  |
| + |                 |                       |                  |  |
|   | <b>W4WBC</b>    | <b>C</b>              | <b>145,3600</b>  |  |
| + | <b>-0,6000</b>  | <b>Huntsvilla</b>     | <b>Alabama</b>   |  |
| + |                 |                       |                  |  |
|   | <b>W5GAD</b>    | <b>A</b>              | <b>1285,0000</b> |  |
| + | <b>-12,0000</b> | <b>New Orleans</b>    |                  |  |
|   | <b>Lousiana</b> |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>W5GAD</b>    | <b>B</b>              | <b>444,9250</b>  |  |
| + | <b>5,0000</b>   | <b>New Orleans</b>    |                  |  |
|   | <b>Lousiana</b> |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>W5GAD</b>    | <b>C</b>              | <b>146,9250</b>  |  |
| + | <b>-0,6000</b>  | <b>New Orleans</b>    |                  |  |
|   | <b>Lousiana</b> |                       |                  |  |
| + |                 |                       |                  |  |
|   | <b>W5HAT</b>    | <b>B</b>              | <b>440,6250</b>  |  |
| + | <b>5,0000</b>   | <b>Waco</b>           | <b>Texas</b>     |  |
| + |                 |                       |                  |  |
|   | <b>W5HAT</b>    | <b>C</b>              | <b>147,2400</b>  |  |
| + | <b>0,6000</b>   | <b>Waco</b>           | <b>Texas</b>     |  |
| + |                 |                       |                  |  |
|   | <b>W5HDR</b>    | <b>A</b>              | <b>1293,0000</b> |  |
| + | <b>-20,0000</b> | <b>Houston</b>        | <b>Texas</b>     |  |
| + |                 |                       |                  |  |

|   |                                 |                               |                                       |  |
|---|---------------------------------|-------------------------------|---------------------------------------|--|
| + | <b>W5HDR</b><br><b>5,0000</b>   | <b>B</b><br><b>Houston</b>    | <b>440,6000</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |
| + | <b>W5HDR</b><br><b>1,0000</b>   | <b>C</b><br><b>Houston</b>    | <b>146,4700</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |
| + | <b>W5HDT</b><br><b>-20,0000</b> | <b>A</b><br><b>Houston</b>    | <b>1293,2000</b><br><b>Texas</b>      |  |
| + |                                 |                               |                                       |  |
| + | <b>W5LM</b><br><b>5,0000</b>    | <b>B</b><br><b>Austin</b>     | <b>440,6750</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |
| + | <b>W5NGU</b><br><b>-20,0000</b> | <b>A</b><br><b>Dallas</b>     | <b>1293,4000</b><br><b>Texas</b>      |  |
| + |                                 |                               |                                       |  |
| + | <b>W5NGU</b><br><b>5,0000</b>   | <b>B</b><br><b>Dallas</b>     | <b>442,9250</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |
| + | <b>W5NGU</b><br><b>-1,0000</b>  | <b>C</b><br><b>Dallas</b>     | <b>147,4500</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |
| + | <b>W5NRU</b><br><b>5,0000</b>   | <b>B</b><br><b>Laurel</b>     | <b>441,8125</b><br><b>Mississippi</b> |  |
| + |                                 |                               |                                       |  |
| + | <b>W5OKT</b><br><b>5,0000</b>   | <b>B</b><br><b>Woodward</b>   | <b>444,2750</b><br><b>Kansas</b>      |  |
| + |                                 |                               |                                       |  |
| + | <b>W5SHV</b><br><b>-20,0000</b> | <b>A</b><br><b>Shreveport</b> | <b>1293,0000</b><br><b>Texas</b>      |  |
| + |                                 |                               |                                       |  |
| + | <b>W5SHV</b><br><b>5,0000</b>   | <b>B</b><br><b>Shreveport</b> | <b>442,0000</b><br><b>Texas</b>       |  |
| + |                                 |                               |                                       |  |

|   |                                                      |                                   |                                      |  |
|---|------------------------------------------------------|-----------------------------------|--------------------------------------|--|
| + | <b>W5SHV</b><br><b>0,6000</b>                        | <b>C</b><br><b>Shreveport</b>     | <b>147,3000</b><br><b>Texas</b>      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W5ZDN</b><br><b>-0,6000</b>                       | <b>C</b><br><b>Waco</b>           | <b>146,9800</b><br><b>Texas</b>      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6CO</b><br><b>5,0000</b>                         | <b>B</b><br><b>Napa</b>           | <b>440,0500</b><br><b>California</b> |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6DHS</b><br><b>-12,0000</b><br><b>California</b> | <b>A</b><br><b>Sacramento Ost</b> | <b>1284,5000</b>                     |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6DHS</b><br><b>5,0000</b><br><b>California</b>   | <b>B</b><br><b>Sacramento Ost</b> | <b>440,6000</b>                      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6DHS</b><br><b>-0,4000</b><br><b>California</b>  | <b>C</b><br><b>Sacramento Ost</b> | <b>144,9600</b>                      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6HRO</b><br><b>-12,0000</b><br><b>California</b> | <b>A</b><br><b>Los Angeles</b>    | <b>1282,5500</b>                     |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6HRO</b><br><b>-5,0000</b><br><b>California</b>  | <b>B</b><br><b>Los Angeles</b>    | <b>447,8000</b>                      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6HRO</b><br><b>-0,6000</b><br><b>California</b>  | <b>C</b><br><b>Los Angeles</b>    | <b>145,6150</b>                      |  |
| + |                                                      |                                   |                                      |  |
| + | <b>W6YYY</b><br><b>5,0000</b>                        | <b>B</b><br><b>Oakland</b>        | <b>440,0375</b><br><b>California</b> |  |
| + |                                                      |                                   |                                      |  |



|   |                 |                      |                  |  |
|---|-----------------|----------------------|------------------|--|
| + | <b>W7AES</b>    | <b>A</b>             | <b>1282,3900</b> |  |
|   | <b>???</b>      | <b>Las Vegas</b>     | <b>Nevada</b>    |  |
| + |                 |                      |                  |  |
| + | <b>W7AES</b>    | <b>B</b>             | <b>449,5750</b>  |  |
|   | <b>-5,0000</b>  | <b>Las Vegas</b>     | <b>Nevada</b>    |  |
| + |                 |                      |                  |  |
| + | <b>W7AES</b>    | <b>C</b>             | <b>145,1450</b>  |  |
|   | <b>-0,6000</b>  | <b>Las Vegas</b>     | <b>Nevada</b>    |  |
| + |                 |                      |                  |  |
| + | <b>W7DIN</b>    | <b>B</b>             | <b>445,9750</b>  |  |
|   | <b>-5,0000</b>  | <b>Yuma</b>          | <b>Arizona</b>   |  |
| + |                 |                      |                  |  |
| + | <b>W7GC</b>     | <b>C</b>             | <b>147,3900</b>  |  |
|   | <b>0,6000</b>   | <b>Portland West</b> |                  |  |
|   | <b>Oregon</b>   |                      |                  |  |
| + |                 |                      |                  |  |
| + | <b>W7MOT</b>    | <b>A</b>             | <b>1283,9000</b> |  |
|   | <b>-12,0000</b> | <b>Phoenix</b>       | <b>Arizona</b>   |  |
| + |                 |                      |                  |  |
| + | <b>W7MOT</b>    | <b>B</b>             | <b>440,8125</b>  |  |
|   | <b>5,0000</b>   | <b>Phoenix</b>       | <b>Arizona</b>   |  |
| + |                 |                      |                  |  |
| + | <b>W7MOT</b>    | <b>C</b>             | <b>145,1350</b>  |  |
|   | <b>-0,6000</b>  | <b>Phoenix</b>       | <b>Arizona</b>   |  |
| + |                 |                      |                  |  |
| + | <b>W7URG</b>    | <b>B</b>             | <b>441,9500</b>  |  |
|   | <b>5,0000</b>   | <b>Hermiston</b>     | <b>Oregon</b>    |  |
| + |                 |                      |                  |  |
| + | <b>W7URG</b>    | <b>C</b>             | <b>147,3900</b>  |  |
|   | <b>0,6000</b>   | <b>Hermiston</b>     | <b>Oregon</b>    |  |
| + |                 |                      |                  |  |
| + | <b>W7VOI</b>    | <b>B</b>             | <b>444,3500</b>  |  |
|   | <b>5,0000</b>   | <b>Nmapa</b>         | <b>Montana</b>   |  |
| + |                 |                      |                  |  |

|   |                                 |          |                                                           |                 |  |
|---|---------------------------------|----------|-----------------------------------------------------------|-----------------|--|
| + | <b>W8BI</b><br><b>5,0000</b>    | <b>B</b> | <b>443,7500</b><br><b>Dayton</b>                          | <b>Ohio</b>     |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8BI</b><br><b>0,6000</b>    | <b>C</b> | <b>147,1100</b><br><b>Dayton</b>                          | <b>Ohio</b>     |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8DIG</b><br><b>-12,0000</b> | <b>A</b> | <b>1285,0000</b><br><b>Columbus</b>                       | <b>Ohio</b>     |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8DIG</b><br><b>5,0000</b>   | <b>B</b> | <b>442,6500</b><br><b>Columbus</b>                        | <b>Ohio</b>     |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8DIG</b><br><b>-0,6000</b>  | <b>C</b> | <b>145,3900</b><br><b>Columbus</b>                        | <b>Ohio</b>     |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8LIV</b><br><b>5.0000</b>   | <b>B</b> | <b>444,0375</b><br><b>Detroid West</b><br><b>Michigan</b> |                 |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8LIV</b><br><b>-0,6000</b>  | <b>C</b> | <b>145,3200</b><br><b>Detroid West</b><br><b>Michigan</b> |                 |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8RNL</b><br><b>-20,0000</b> | <b>A</b> | <b>1293,0000</b><br><b>Cincinati</b>                      | <b>Indiana</b>  |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8RNL</b><br><b>5,0000</b>   | <b>B</b> | <b>442,6250</b><br><b>Cincinati</b>                       | <b>Indiana</b>  |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8RNL</b><br><b>-0,6000</b>  | <b>C</b> | <b>145,1600</b><br><b>Cincinati</b>                       | <b>Indiana</b>  |  |
| + |                                 |          |                                                           |                 |  |
| + | <b>W8SHI</b><br><b>5,0000</b>   | <b>B</b> | <b>444,3000</b><br><b>Flint</b>                           | <b>Michigan</b> |  |

|   |                                                                                                                                |
|---|--------------------------------------------------------------------------------------------------------------------------------|
| + |                                                                                                                                |
| + | <div> <div>W8SHI</div> <div>C</div> <div>145,2400</div> <div>-0,6000</div> <div>Flint</div> <div>Michigan</div> </div>         |
| + |                                                                                                                                |
| + | <div> <div>W9ARP</div> <div>B</div> <div>444,3000</div> <div>5,0000</div> <div>Indianapolis N</div> <div>Indiana</div> </div>  |
| + |                                                                                                                                |
| + | <div> <div>W9ARP</div> <div>C</div> <div>146,7300</div> <div>-0,6000</div> <div>Indianapolis N</div> <div>Indiana</div> </div> |
| + |                                                                                                                                |
| + | <div> <div>W9BCC</div> <div>A</div> <div>1282,1000</div> <div>-12,0000</div> <div>Wausau</div> <div>Wisconsin</div> </div>     |
| + |                                                                                                                                |
| + | <div> <div>W9ICE</div> <div>B</div> <div>444,1250</div> <div>5,0000</div> <div>Indianapolis</div> <div>Indiana</div> </div>    |
| + |                                                                                                                                |
| + | <div> <div>W9ICE</div> <div>C</div> <div>147,3900</div> <div>0,6000</div> <div>Indianapolis</div> <div>Indiana</div> </div>    |
| + |                                                                                                                                |
| + | <div> <div>W9PIA</div> <div>A</div> <div>1292,4000</div> <div>-20,0000</div> <div>Dallas</div> <div>Texas</div> </div>         |
| + |                                                                                                                                |
| + | <div> <div>W9PIA</div> <div>B</div> <div>443,4688</div> <div>5,0000</div> <div>Dallas</div> <div>Texas</div> </div>            |
| + |                                                                                                                                |
| + | <div> <div>W9PIA</div> <div>C</div> <div>145,1050</div> <div>-0,6000</div> <div>Dallas</div> <div>Texas</div> </div>           |
| + |                                                                                                                                |
| + | <div> <div>W9YR</div> <div>B</div> <div>443,4813</div> <div>5,0000</div> <div>Champaign</div> <div>Illinois</div> </div>       |
| + |                                                                                                                                |

|   |                                                       |                                |                                     |  |
|---|-------------------------------------------------------|--------------------------------|-------------------------------------|--|
| + | <b>WA5UNH</b><br><b>5,0000</b>                        | <b>B</b><br><b>San Antonio</b> | <b>440,7000</b><br><b>Texas</b>     |  |
| + |                                                       |                                |                                     |  |
| + | <b>Wa6IRC</b><br><b>-12,0000</b><br><b>California</b> | <b>A</b><br><b>Los Angeles</b> | <b>1282,6500</b>                    |  |
| + |                                                       |                                |                                     |  |
| + | <b>Wa6IRC</b><br><b>-5,0000</b><br><b>California</b>  | <b>B</b><br><b>Los Angeles</b> | <b>447,0400</b>                     |  |
| + |                                                       |                                |                                     |  |
| + | <b>Wa6IRC</b><br><b>-0,6000</b><br><b>California</b>  | <b>C</b><br><b>Los Angeles</b> | <b>145,6050</b>                     |  |
| + |                                                       |                                |                                     |  |
| + | <b>WA7FW</b><br><b>5,0000</b>                         | <b>B</b><br><b>Seattle</b>     | <b>443,8500</b><br><b>Washigton</b> |  |
| + |                                                       |                                |                                     |  |
| + | <b>WA7FW</b><br><b>0,6000</b>                         | <b>C</b><br><b>Seattle</b>     | <b>147,0400</b><br><b>Washigton</b> |  |
| + |                                                       |                                |                                     |  |
| + | <b>WB4GNA</b><br><b>-12,0000</b>                      | <b>A</b><br><b>Atlanta W</b>   | <b>1285,0000</b><br><b>Alabama</b>  |  |
| + |                                                       |                                |                                     |  |
| + | <b>WB4GNA</b><br><b>5,0000</b>                        | <b>B</b><br><b>Atlanta W</b>   | <b>442,4250</b><br><b>Alabama</b>   |  |
| + |                                                       |                                |                                     |  |
| + | <b>WB4GNA</b><br><b>-0,6000</b>                       | <b>C</b><br><b>Atlanta W</b>   | <b>145,3000</b><br><b>Alabama</b>   |  |
| + |                                                       |                                |                                     |  |
| + | <b>WD4STR</b><br><b>-12,0000</b><br><b>Alabama</b>    | <b>A</b><br><b>Atlanta Ost</b> | <b>1282,5500</b>                    |  |
| + |                                                       |                                |                                     |  |

|   |                                                     |                                  |                                    |  |
|---|-----------------------------------------------------|----------------------------------|------------------------------------|--|
| + | <b>WD4STR</b><br><b>5,0000</b>                      | <b>B</b><br><b>Atlanta Ost</b>   | <b>440,5500</b><br><b>Alabama</b>  |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD4STR</b><br><b>-0,6000</b>                     | <b>C</b><br><b>Atlanta Ost</b>   | <b>146,9700</b><br><b>Alabama</b>  |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD5AAI</b><br><b>-20,0000</b><br><b>Oklahoma</b> | <b>A</b><br><b>Oklahoma City</b> | <b>1293,0000</b>                   |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD5AAI</b><br><b>5,0000</b><br><b>Oklahoma</b>   | <b>B</b><br><b>Oklahoma City</b> | <b>442,6250</b>                    |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD5AAI</b><br><b>0,6000</b><br><b>Oklahoma</b>   | <b>C</b><br><b>Oklahoma City</b> | <b>147,3450</b>                    |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD5STR</b><br><b>5,0000</b>                      | <b>B</b><br><b>San Antonio</b>   | <b>440,6000</b><br><b>Texas</b>    |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD5STR</b><br><b>1,0000</b>                      | <b>C</b><br><b>San Antonio</b>   | <b>146,4900</b><br><b>Texas</b>    |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD8MKG</b><br><b>5,0000</b>                      | <b>B</b><br><b>Muskegon</b>      | <b>444,0125</b><br><b>Michigan</b> |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WD8MKG</b><br><b>-0,6000</b>                     | <b>C</b><br><b>Muskegon</b>      | <b>145,3600</b><br><b>Michigan</b> |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WH6DIG</b><br><b>5,0000</b>                      | <b>B</b><br><b>Honolulu</b>      | <b>444,9250</b><br><b>Hawaii</b>   |  |
| + |                                                     |                                  |                                    |  |
| + | <b>WH6DIG</b><br><b>0,6000</b>                      | <b>C</b><br><b>Honolulu</b>      | <b>147,1800</b><br><b>Hawaii</b>   |  |

|   |                                                                                                 |
|---|-------------------------------------------------------------------------------------------------|
| + |                                                                                                 |
| + | <b>WR9AND</b> <b>B</b> <b>441,8000</b><br><b>5,0000</b> <b>Indianapolis</b> <b>Indiana</b>      |
| + |                                                                                                 |
| + | <b>WS4VA</b> <b>A</b> <b>1282,2000</b><br><b>-20,0000</b> <b>Washigton S</b><br><b>Maryland</b> |
| + |                                                                                                 |
| + | <b>WS4VA</b> <b>B</b> <b>447,3750</b><br><b>-5,0000</b> <b>Washigton S</b><br><b>Maryland</b>   |
| + |                                                                                                 |
| + | <b>WS4VA</b> <b>C</b> <b>145,3200</b><br><b>-0,6000</b> <b>Washigton S</b><br><b>Maryland</b>   |
| + |                                                                                                 |
| + | <b>WU5PIG</b> <b>B</b> <b>442,6000</b><br><b>5,0000</b> <b>Fort Smith</b> <b>Arkansas</b>       |
| + |                                                                                                 |
| + | <b>WX4GPB</b> <b>A</b> <b>1282,7000</b><br><b>-12,0000</b> <b>Atlanta</b> <b>Geogia</b>         |
| + |                                                                                                 |
| + | <b>WX4GPB</b> <b>B</b> <b>440,7000</b><br><b>5,0000</b> <b>Atlanta</b> <b>Geogia</b>            |
| + |                                                                                                 |
| + | <b>WX4GPB</b> <b>C</b> <b>144,9600</b><br><b>2,5000</b> <b>Atlanta</b> <b>Geogia</b>            |
| + |                                                                                                 |
| + | <b>WX8GRR</b> <b>B</b> <b>442,5500</b><br><b>5,0000</b> <b>Grand Rapids</b><br><b>Michigan</b>  |
| + |                                                                                                 |
| + | <b>WX8GRR</b> <b>C</b> <b>147,2900</b><br><b>0,6000</b> <b>Grand Rapids</b><br><b>Michigan</b>  |

Diese **werden demnächst hier oder in einer eigenen Liste angeführt, Canada, Australien, USA, etc.**

+

**Nochmals die Bemerkung:** Diese Liste **kann nicht garantieren, welche Repeater derzeit qrv sind.**

## Aktuelle Version vom 29. Oktober 2014, 19:04 Uhr

Bei der IARU Konferenz 2008 in Cavtat wurden folgende Frequenzbereiche für D-Star vorgesehen. Bitte beachten Sie das auch noch analoger Funkbetrieb auf den Frequenzen durchgeführt wird. Beobachten Sie die Frequenz im Mode FM bevor Sie auf D-Star umstellen.

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## Frequenzen der Österreichischen Relais:

### QRG für Wien AKH:

---

Repeater: OE1XDS "B" Frequenz: 438,525 MHz - Shift -7,600 MHz

Repeater: OE1XDS "A" Frequenz: 1298,650 MHz - Shift -28,000 MHz derzeit nicht in Betrieb

Standort: AKH 1090 Wien

### QRG für Mönichkirchen

---

Repeater: OE3XWW "B" Frequenz: 438.575 MHz - Shift -7,600 MHz

Repeater: OE3XWW "C" Frequenz: 145,7625 MHz - Shift -0,6 MHz Standort: Mönichkirchen

### QRG für Breitenriegel:

---

Repeater OE4XUB "B" Frequenz: 438,550 MHz - Shift -7,6 MHz

### QRG für Linz - Breitenstein:

---

Repeater: OE5XOL "B" Frequenz: 438,525 - Shift - 7,600 MHz

### QRG für Graz-Dobl:

---

Repeater: OE6XFE "C" Frequenz: 145,6375 MHz - Shift - 0,600 MHz

Standort: alter Mittelwellen-Sendemast in Dobl in 125m Höhe

### QRG für Graz-Plabutsch:

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Repeater: OE6XDE "B" Frequenz: 438,900 MHz - Shift - 7,600 MHz

Standort: Graz-Plabutsch, Fürstenstand

### QRG für Lachtal Klosterneuburgerhütte:

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Repeater: OE6XDG "C" Frequenz: 145.700 MHz - Shift -0,6 MHz

### QRG für Mayrhofen/Zillertal - Ahornbahn:

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Repeater: OE7XZT "B" Frequenz: 438.975 MHz - Shift -7,6 MHz

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### QRG für Hintertux/Zillertal - Penken:

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Repeater: OE7XTT "B" Frequenz: 438.550 MHz - Shift -7,6 MHz

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### QRG für Kramsach/Rofan - Roskogel:

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Repeater: OE7XXR "B" Frequenz: 438.200 MHz Shift -7,6 MHz

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### QRG für Innsbruck - Hoadl:

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Repeater: OE7XHR "B" Frequenz: 438.050 MHz - Shift -7,6 MHz

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### QRG für Landeck/Oberland - Krahberg:

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Repeater: OE7XKR "B" Frequenz: 438.500 MHz - Shift -7,6 MHz

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### QRG für Pyramidenkogel:

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Repeater: OE8XKK "C" Frequenz: 145,5875 MHz - Shift -0.600 MHz

## Direktfrequenzen:

### 2m

im Bereich von **145.225 bis 145.575** sind alle Frequenzen auch für den digitalen Betrieb (Sprache) vorgesehen.

**145.375** digital Anruf Frequenz

### 70cm

im Bereich **433.400 bis 433.575** sind alle Frequenzen auch für den digitalen Betrieb (Sprache) vorgesehen.

**433.450** digital Anruf Frequenz

### 23cm

im Bereich **1297.500 bis 1297.975** sind alle Frequenzen auch für den digitalen Betrieb (Sprache) vorgesehen.

**1297.725** digital Anruf Frequenz

1297.900-1297.975 Simplex FM Internet voice gateways

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## Frequenzen ausländischer Relais:

Dazu eine Vorbemerkung:

Es werden in dem D\_STAR System immer wieder Änderungen vorgenommen. Teilweise werden Frequenzen und/oder Rufzeichen geändert. Ausserdem ist nicht gesichert, dass die hier angeführten Repeater immer qrv sind. Man sollte sich in jedem Fall noch vor der Benützung informieren. Dies geschieht am besten, auch wenn diese Liste nicht immer am aktuellsten Stand, ist auf dieser Internetseite:

### D-STAR Repeaters

Angeführt ist : Rufzeichen, "A,B,C,D", Ausgabefrequenz, Shift, Standort in der Nähe von,

### D-STAR Relaisliste Portugal:

CQ0DAH B 438,45000 -7,6000 Teneriffa  
CQ0DCH B 438,57500 -7,6000 Chaves  
CQ0DFO B 438,57500 -7,6000 Albufeira  
CQ0DLR B 438,52500 -7,6000 Alcobaca  
CQ0DLX B 438,55000 -7,6000 Lisboa  
CQ0DSA B 438,47500 -7,6000 Lisboa Süd

### D-STAR Relaisliste Deutschland:

Teilweise noch kein Gateway, daher nur lokal!

DB0AB B 439,45000 -0,6000 Arberg  
DB0ADB B 439,55000 -7,6000 Bamberg  
DB0ALG B 439,46250 -7,6000 Allgäu  
DB0BHN B 439,53750 -7,6000 Bremerhaven  
DB0BOS B 439,51250 -7,6000 Odenwald  
DB0BS B 439,45000 -7,6000 Bochum  
DB0DBN B 439,53125 -7,6000 Bonn  
DB0DDE B 439,53750 -7,6000 Essen  
DB0DDO C 145,72500 -0,6000 Dortmund  
DB0DDS B 439,48750 -7,6000 Dortmund  
DB0DF B 439,46250 -7,6000 Berlin  
DB0DJ A 1298,57500 -28,0000 Karlsruhe

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DB0DJ B 439,50000 -7,6000 Karlsruhe  
DB0DJ C 145,76250 -0,6000 Karlsruhe  
DB0DZ C 145,68750 -0,6000 Düsseldorf  
DB0FEU B 439,50000 -7,6000 Feuchtwangen  
DB0FHW B 439,48750 -7,6000 Braunschweig  
DB0FS B 439,56250 -7,6000 Hamburg Nord  
DB0FWS B 439,53750 -7,6000 Würzburg Nord  
DB0HAA B 439,58750 -7,6000 Hagen  
DB0HMB A 1298,72500 -28,0000 Hamburg  
DB0HMB B 439,51250 -7,6000 Hamburg  
DB0HOT B 439,50000 -7,6000 Lobsdorfer Höhe  
DB0HRF B 439,45000 -7,6000 Frankfurt  
DB0HRM B 439,52500 -7,6000 Kassel  
DB0HRR C 145,70000 -0,6000 Bad Hersfeld  
DB0HSK B 439,50625 -7,6000 Meschede  
DB0IKS B 439,46250 -7,6000 Saarbrücken  
DB0LBX B 439,55000 -7,6000 Stuttgart  
DB0LE B 439,57500 -7,6000 Leipzig  
DB0MFR B 439,47500 -7,6000 Hemmor  
DB0MYK B 439,56250 -7,6000 Koblenz  
DB0NG A 1298,57500 -28,0000 Marl  
DB0NG B 439,57500 -7,6000 Marl  
DB0NU B 439,50000 -7,6000 Altenstein  
DB0RDH A 1298,45000 -28,0000 Straubing  
DB0RDH B 439,47500 -7,6000 Straubing  
DB0RDH C 145,76250 -0,6000 Straubing  
DB0RKB B 439,58750 -7,6000 Rhön  
DB0SAT A 1298,75000 -28,0000 Hamburg Wilhelmsburg  
DB0SAT B 439,50000 -7,6000 Hamburg Wilhelmsburg

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DB0SAT C 145,77500 -0,6000 Hamburg Wilhelmsburg

DB0SEN B 439,54375 -7,6000 Münster

DB0SIF B 439,48750 -7,6000 Giesen

DB0SN B 439,50000 -7,6000 Göttingen

DB0SZS C 145,63750 -0,6000 Osnabrück

DB0SZS B 439,50000 -7,6000 Osnabrück

DB0TVM B 439,57500 -7,6000 München

DB0VOX B 439,52500 -7,6000 Nürnberg

DB0WIM B 439,56250 -7,6000 Landau/Pfalz

DB0WK B 439,46250 -7,6000 Rhön

DB0WZ A 1298,32500 -28,0000 Würzburg

DB0WZ B 439,47500 -7,6000 Würzburg

DB0WZ C 145,72500 -0,6000 Würzburg

DB0WZB B 439,48750 -7,6000 Veitshöchheim

DB0XPO B 439,55000 -7,6000 Hannover

DB0ZB B 439,56250 -7,6000 Bayreuth

DB0ZO C 145,75000 -0,6000 Bad Iburg

DB0ZO B 439,56250 -7,6000 Bad Iburg

DF0HHH B 439,57500 -7,6000 Hamburg

DF0HMR B 439,47500 -7,6000 Duisburg

DF0HMR C 145,60000 -0,6000 Duisburg

DM0FI B 439,45000 -7,6000 Erzgebirge

DM0HMB A 1298,70000 -28,0000 Hamburg

DM0HMB B 439,45000 -7,6000 Hamburg

DM0HMB C 145,78750 -0,6000 Hamburg

DM0MW B 439,55000 -7,6000 Dresden

DM0XX B 439,51250 -7,6000 Bremen

## **D-STAR Relaisliste Spanien:**

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EA3RCC B 438,47500 -7,6000 Barcelona

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EA5A B 438,20000 -7,6000 Valencia

### **D-STAR Relaisliste Frankreich:**

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F1ZPL B 430,26250 9,4000 Paris

F1ZPL C 145,51250 -0,6000 Paris

### **D-STAR Relaisliste England:**

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GB7AD B 439,91250 -9,0000 Bristol

GB7AI B 430,82500 7,6000 London Northwest

GB7AU B 439,70000 -9,0000 London Northwest

GB7CD B 439,70000 -9,0000 Bristol West

GB7DB B 439,66250 -9,0000 London Nord

GB7DE B 439,60000 -9,0000 Edinburg Nord

GB7DE C 145,63750 -0,6000 Edinburg Nord

GB7DG B 439,70000 -9,0000 Glasgow

GB7DG C 145,77500 -0,6000 Glasgow

GB7DS A 1290,15000 -20,0000 Heme Bay

GB7DV B 439,61250 -9,0000 Warnigton

GB7DW C 145,61250 -0,6000 Glasgow Süd

GB7DX B 439,70000 -9,0000 Asford

GB7FK B 439,73750 -9,0000 Dover

GB7FK C 145,78750 -0,6000 Dover

GB7GD C 145,68750 -0,6000 Aberdeen

GB7HD B 439,45000 -9,0000 Leeds

GB7IC A 1290,65000 -20,0000 Canterbury

GB7IC B 439,45000 -9,0000 Canterbury

GB7JF B 439,63750 -9,0000 Northhampton

GB7JH B 439,71250 -9,0000 Worthing

GB7NM B 439,46250 -9,0000 Manchester

GB7PI B 439,91250 -9,0000 Cambridge

GB7SF B 439,73750 -9,0000 Sheffield  
GB7SF C 145,73750 -0,6000 Sheffield  
GB7SS B 439,73750 -9,0000 Southend  
GB7SY B 439,70000 -9,0000 Birmingham  
GB7WC B 439,78750 -9,0000 Liverpool  
GB7WF B 439,48750 -9,0000 Birmingham Südwest  
GB7WP B 439,91250 -9,0000 Liverpool Süd  
GB7WT B 439,60000 -9,0000 Liverpool Central  
GB7YD B 439,60000 -9,0000 Leeds  
GB7YD C 145,67500 -0,6000 Leeds  
GB7ZI B 439,68750 -9,0000 Birmingham Nord

### **D-STAR Relaisliste Schweiz:**

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HB9AR B 439,32500 -7,6000 Genf  
HB9AW C 145,78750 -0,6000 Willisau/Luzern  
HB9AW B 439,12500 -7,6000 Willisau/Luzern  
HB9BO B 439,52500 -7,6000 Bern  
HB9BO C 145,61250 -0,6000 Bern  
HB9F B 438,32500 -7,6000 Bern City  
HB9HD C 145,58750 -0,6000 Zürich Ost (Winterthur)  
HB9IAC C 145,76250 -0,6000 Genf Nord  
HB9LU B 439,57500 -7,6000 Luzern

### **D-STAR Relaisliste Italien:**

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IQ2GM A 1297,27500 -6,0000 Milano Nordwest  
IQ2GM B 430,20000 1,6000 Milano Nordwest  
IQ4GS B 431,52500 1,6000 La Spezia  
IQ4GS C 144,86250 0,6000 La Spezia  
IR0UAC A 1297,47500 -55,0000 Rom  
IR0UAC B 430,02500 5,0000 Rom  
IR1CJ C 144,98750 1,0000 Turin

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IR1UDI B 430,02500 1,6000 Casale  
IR1UDI C 145,68750 -0,6000 Casale  
IR2UDY B 431,50000 1,6000 Milano  
IR3CZ B 431,52500 1,6000 Veneto  
IR3DA A 1297,00000 -30,0000 Venecia  
IR3DA B 430,01250 5,0000 Venecia  
IR3DA C 145,80000 -0,6000 Venecia  
IR3DB B 430,45000 5,0000 Verona  
IR3UEF B 431,47500 1,6000 Padua  
IR3UEF B 145,97500 -1,1000 Padua  
IR4UBL B 430,56250 5,0000 Verona Süd  
IR5UH B 431,51200 1,6000 Firenze  
IR6UBM B 430,11250 1,6000 Vasto  
IR7AZ C 145,97500 -1,2500 Bari Nord  
IR7UBA B 430,30000 5,0000 Bari Süd  
IR8AW B 430,42500 5,0000 Napoli  
IR8BT B 430,45000 5,0000 Salerno  
IR8CA B 430,47500 5,0000 Napoli Süd  
IR8CA C 145,66250 -0,6000 Napoli Süd  
IR8UAF B 430,50000 5,0000 Napoli Nord  
IR9G C 145,66250 -0,6000 Palermo

### **D-STAR Relaisliste Norwegen:**

LD3DV B 434,52500 -2,0000 Oslo

### **D-STAR Relaisliste Argentinien:**

LU3AOC A 1282,00000 -12,0000 Buenos Aires  
LU3AOC B 434,95000 5,0000 Buenos Aires  
LU3AOC C 147,34500 -0,6000 Buenos Aires  
LU5FB C 147,03000 0,6000 Rosario



**D-STAR Relaisliste Belgien:**

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ON0CPS B 439,56250 -7,6000 Charleroi

ON0OS B 439,50000 -7,6000 Ostende

ON0OS C 145,71250 -0,6000 Ostende

ON0WV B 439,56250 -7,6000 Bruegge

**D-STAR Relaisliste Dänemark:**

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OZ2REA B 434,93750 -2,0000 Kopenhagen

OZ2REA C 145,78750 -0,6000 Kopenhagen

OZ2REB C 145,76875 -0,6000 Odense

OZ4RED B 434,91250 -2,0000 Holbeak

OZ4RED C 145,63750 -0,6000 Holbeak

OZ9RET B 434,98750 -2,0000 Visby

OZ9RET C 145,66250 -0,6000 Visby

**D-STAR Relaisliste Holland:**

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PI1DSA B 439,82500 -9,4000 Utrecht

PI1HWB B 430,92500 7,6000 Rotterdam

**D-STAR Relaisliste Brasilien:**

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PY2KPP C 145,41000 -0,6000 Sao Paulo

**D-STAR Relaisliste Slowenien:**

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S55DGO B 438,50000 -7,6000 Gorica

S55DLJ B 438,20000 -7,6000 Lublijana

S55DMX B 438,35000 -7,6000 Maribor

**D-STAR Relaisliste Griechenland:**

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SV3G B 439,40000 -7,6000 unbekannt

SZ1SV A 1270,02500 28,0000 Athen

SZ1SV B 439,42500 -7,6000 Athen

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**D-STAR Relaisliste Canada:**

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VA2RKA B 446,15000 5,0000 Montreal  
VA2RKB C 146,89500 -0,6000 Montreal  
VA3NAG A 1282,50000 -12,0000 Buffalo  
VA3ODG A 1282,00000 -12,0000 Ottawa  
VA3ODG B 444,85000 5,0000 Ottawa  
VA3ODG C 145,53000 -0,6000 Ottawa  
VA7ICM A 1247,00000 12,0000 Vancouver  
VA7ICM B 442,00000 5,0000 Vancouver  
VA7ICM C 145,04000 0,6000 Vancouver  
VE2LKL B 449,17500 -5,0000 Quebec  
VE2LKL C 147,27000 -0,6000 Quebec  
VE2RIO A 1283,00000 -12,0000 Montreal  
VE2RIO B 449,92500 -5,0000 Montreal  
VE2RIO C 144,95000 -0,6000 Montreal  
VE2RMF A 1283,00000 -20,0000 Quebec  
VE2RMF B 449,92500 -5,0000 Quebec  
VE2RMF C 144,95000 -0,6000 Quebec  
VE2RQF C 145,33000 -0,6000 Sherbrooke  
VE2RTO B 442,00000 5,0000 Magog  
VE2RVR B 444,20000 5,0000 Montreal  
VE2TXD B 441,17000 5,0000 Victonville  
VE2TXD C 144,81000 0,6000 Victonville  
VE3RPT B 443,22500 5,0000 Toronto  
VE3RXR C 145,31000 -0,6000 Sudbury  
VE3TTT B 442,30000 5,0000 Hamilton  
VE3WIK B 443,63750 5,0000 Hamilton  
VE3WIK C 146,71500 -0,6000 Hamilton  
VE3YYZ A 1287,50000 -12,0000 Toronto

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VE3YYZ B 442,70000 5,0000 Toronto  
VE3YYZ C 144,93000 0,6000 Toronto  
VE6GHZ A 1287,97500 -12,0000 Calgary  
VE6GHZ B 444,95000 5,0000 Calgary  
VE6GHZ C 147,09000 0,6000 Calgary  
VE6IPG A 1275,95000 12,0000 Calgary  
VE6IPG B 444,96250 5,0000 Calgary  
VE6IPG C 147,28500 0,6000 Calgary  
VE6KM A 1295,12950 ??? Edmonton  
VE6KM B 444,90000 5,0000 Edmonton  
VE6KM C 145,47000 -0,6000 Edmonton  
VE6WRN A 1287,50000 -20,0000 Calgary  
VE6WRN B 444,92500 5,0000 Calgary  
VE6WRN C 146,80500 -0,6000 Calgary  
VE7RAG A 1291,94000 -20,0000 Vancouver  
VE7RAG B 443,40000 5,0000 Vancouver  
VE7RAG C 147,02000 0,6000 Vancouver  
VE7VIC A 1291,50000 -20,0000 Victoria  
VE7VIC B 442,00000 5,0000 Victoria  
VE7VIC C 145,08000 0,6000 Victoria  
VO1ILP B 443,40000 5,0000 Neufundland

### **D-STAR Relaisliste Australien:**

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VK2RDS A 1273,85000 20,0000 Sydney Süd  
VK2RDS B 438,05000 -5,4000 Sydney Süd  
VK2RDS C 146,76250 -0,6000 Sydney Süd  
VK2RWN A 1273,90000 20,0000 Sydney Nord  
VK2RWN B 438,40000 -5,4000 Sydney Nord  
VK2RWN C 146,96250 -0,6000 Sydney Nord  
VK3RWW B 438,15000 -5,4000 Melbourne Northwest

VK4RDS C 146,73750 -0,6000 Brisbane Nord  
VK4RWN A 1273,10000 20,0000 Brisbane Süd  
VK4RWN B 438,22500 -5,4000 Brisbane Süd  
VK4RWN C 146,83750 -0,6000 Brisbane Süd  
VK5REX B 438,22500 -5,4000 Port Lincoln  
VK5RWN A 1273,70000 20,0000 Adelaide  
VK5RWN B 438,40000 -5,4000 Adelaide  
VK5RWN C 146,93750 -0,6000 Adelaide  
VK6RWN A 1273,90000 20,0000 Perth  
VK6RWN B 438,30000 -5,4000 Perth  
VK6RWN C 146,83750 -0,6000 Perth  
VK8RAD A 1273,40000 20,0000 Darwin  
VK8RAD B 438,75000 -5,0000 Darwin  
VK8RAD C 146,70000 -0,6000 Darwin

### **D-STAR Relaisliste USA:**

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AA1HD B 442,1500 5,0000 Hartford Connecticut  
AA1HD C 145,2600 -0,6000 Hartford Connecticut  
AK4EG A 1284,4000 -20,0000 Greensborp Cerolina  
AK4EG B 444,8875 5,0000 Greensborp Cerolina  
AK4EG C 145,3200 -0,6000 Greensborp Cerolina  
K0HAM A 1287,0000 -12,0000 Kansas City Missouri  
K0HAM B 442,1250 5,0000 Kansas City Missouri  
K0HAM C 145,1200 -0,6000 Kansas City Missouri  
K0MDG A 1285,0000 -12,0000 St. Louis Missouri  
K0MDG B 442,5750 5,0000 St. Louis Missouri  
K0MDG C 147,0375 0,6000 St. Louis Missouri  
K1HRO A 1293,1239 -20,0000 Manchester New Hampshire  
K1HRO B 444,3500 5,0000 Manchester New Hampshire  
K1HRO C 145,3300 -0,6000 Manchester New Hampshire

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K1XC A 1285,0000 -12,0000 Orlando Florida  
K1XC B 443,2750 5,0000 Orlando Florida  
K1XC C 146,8200 -0,6000 Orlando Florida  
K2CC A 1284,0000 -12,0000 Canton Vermont  
K2CC B 433,3500 5,0000 Canton Vermont  
K2DIG A 1293,0000 -20,0000 Manhattan New York  
K2DIG B 445,2750 -5,0000 Manhattan New York  
K3PDR B 447,6250 -5,0000 Philadelphia New Jersey  
K4DSO A 1293,4000 -12,0000 Birmingham Alabama  
K4DSO B 443,2000 5,0000 Birmingham Alabama  
K4DSO C 145,4100 -0,6000 Birmingham Alabama  
K4WAK A 1293,0000 -20,0000 Tallahassee Florida  
K4WAK B 443,4500 5,0000 Tallahassee Florida  
K4WAK C 146,8350 -0,6000 Tallahassee Florida  
K5CTX A 1292,1000 -20,0000 Austin Texas  
K5CTX B 440,5250 5,0000 Austin Texas  
K5CTX C 147,3400 0,6000 Austin Texas  
K5MIJ B 440,6000 5,0000 Dallas Texas  
K5PLD C 146,4900 1,0000 Lhasa Tibet  
K5RKN B 444,8250 5,0000 Jackson Mississippi  
K5RKN C 145,1700 -0,6000 Jackson Mississippi  
K5TIT A 1293,0000 -20,0000 Dallas Texas  
K5TIT B 442,0000 5,0000 Dallas Texas  
K5TIT C 147,3600 0,6000 Dallas Texas  
K5ZOE B 443,3250 5,0000 Columbia South Carolina  
K6ACS B 442,1125 5,0000 Santa Rosa California  
K6ACS C 145,0400 -0,4000 Santa Rosa California  
K6CHO A 1286,5250 -12,0000 Chico California  
K6CHO C 144,9200 -0,4000 Chico California

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K6LRG A 1286,6250 -12,0000 San Jose California  
K6LRG B 444,6875 5,0000 San Jose California  
K6MDD A 1284,2000 -12,0000 San Francisco California  
K6MDD B 444,1375 5,0000 San Francisco California  
K6MDD C 146,5850 1,0000 San Francisco California  
K6PIT C 147,2850 0,6000 Pittsburg California  
K6SOA A 1282,6000 -12,0000 Los Angeles California  
K6SOA B 445,6600 5,0000 Los Angeles California  
K6SOA C 146,1150 0,6000 Los Angeles California  
K6VIS C 145,5500 -0,6000 Visalia California  
K6VO A 1283,0000 -12,0000 Irvine California  
K7WH A 1290,0000 -20,0000 Herbin China  
K7WH B 443,0000 5,0000 Herbin China  
K7WH C 145,2900 -0,6000 Herbin China  
K7RST A 1284,2500 ??? Tuscon Arizona  
K7RST B 445,9000 ??? Tuscon Arizona  
K7RST C 145,1150 ??? Tuscon Arizona  
KI8BIG B 444,0000 5,0000 Cincinati Ohio  
KI8BIG C 145,3500 -0,6000 Cincinati Ohio  
K8ETN C 145,2000 ??? Lansing Michigan  
K8LCD A 1294,4800 -20,0000 Detroid West Michigan  
K8LCD B 444,0625 5,0000 Detroid West Michigan  
K8LCD C 147,2100 0,6000 Detroid West Michigan  
KC2TGB B 444,6500 5,0000 Philadelphia SO New Jersey  
KC9OKW B 443,2500 5,0000 Chikago West Illinois  
KD0CGR C 145,1750 -6,0000 Omaha Nebraska  
KD2STR B 443,6875 5,0000 Buffalo New York  
KD7REX B 440,5500 5,0000 Portland Oregon  
KD7REX C 144,5100 3,0000 Portland Oregon

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KD8DRG B 442,5750 5,0000 Akron Ohio  
KD8DRG C 146,9550 -0,6000 Akron Ohio  
KE5RCS A 1295,1295 -20,0000 Austin Texas  
KE5RCS B 440,5750 5,0000 Austin Texas  
KE5RCS C 145,1300 -0,6000 Austin Texas  
KE7JFH A 1295,6500 -12,0000 Phoenix West Arizona  
KE7JFH B 445,9750 -5,0000 Phoenix West Arizona  
KE7JFH C 145,1250 -0,6000 Phoenix West Arizona  
KE7MVI B 443,7750 5,0000 Medford Oregon  
KE7WTB B 445,6600 5,0000 Seattle Washington  
KE7WTB C 146,1150 0,6000 Seattle Washington  
KE7WTC A 1282,6500 -12,0000 Seattle Washington  
KE7WTC B 447,0000 -5,0000 Seattle Washington  
KE7WTC C 146,6050 -0,6000 Seattle Washington  
KF6BQK B 449,0800 -5,0000 Long Beach California  
KI4PPF A 1284,0000 -12,0000 Huntsville Alabama  
KI4PPF B 443,3750 5,0000 Huntsville Alabama  
KI4PPF C 145,4300 -6,0000 Huntsville Alabama  
KI4SAZ A 1285,0000 -20,0000 Mobile Bay Mississippi  
KI4SAZ B 444,3000 5,0000 Mobile Bay Mississippi  
KI4SAZ C 145,3100 -0,6000 Mobile Bay Mississippi  
KI4SBA A 1284,4000 -12,0000 Atlanta Georgia  
KI4SBA B 444,3500 5,0000 Atlanta Georgia  
KI4SBA C 145,2000 -0,6000 Atlanta Georgia  
KI4SBB A 1282,5000 -12,0000 Birmingham Alabama  
KI4SBB B 443,9750 5,0000 Birmingham Alabama  
KI4SBB C 145,4800 0,6000 Birmingham Alabama  
KI4TMJ A 1284,0000 -12,0000 Gulfport Mississippi  
KI4TMJ B 444,4750 5,0000 Gulfport Mississippi

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KI4TMJ C 145,1700 -0,6000 Gulfport Mississippi  
KI4WXS A 1284,0000 -12,0000 Gstonia Carolina  
KI4WXS B 443,8625 5,0000 Gstonia Carolina  
KI4WXS C 145,1400 -0,6000 Gstonia Carolina  
KI6JKA B 447,2000 -5,0000 Los Angeles California  
KI6JUL A 1286,5250 -12,0000 Los Angeles California  
KI6JUL C 145,6800 -0,6000 San Jose California  
KI6KQU B 447,8400 -5,0000 San Diego California  
KI6MGN B 445,8600 -5,0000 San Diego N California  
KI6MGN C 145,5850 -0,6000 San Diego N California  
KJ4ACN A 1293,5500 -20,0000 Tampa Florida  
KJ4ACN B 444,7750 5,0000 Tampa Florida  
KJ4ACN C 147,3750 0,6000 Tampa Florida  
KJ4ARB A 1293,0000 -20,0000 Tampa Florida  
KJ4ARB B 444,6750 5,0000 Tampa Florida  
KJ4ARB C 147,0100 0,6000 Tampa Florida  
KJ4BDF B 440,7250 ??? Atlanta Gorgia  
KJ4BWK B 443,2000 5,0000 Columbia Carolina  
KJ4BWK C 145,4000 -0,6000 Columbia Carolina  
KJ4BYI B 442,7625 5,0000 Tampa Florida  
KJ4FCS B 442,7750 5,0000 Columbia Carolina  
KJ4GGV A 1282,7000 -12,0000 Savannah Gorgia  
KJ4GGV B 440,7000 5,0000 Savannah Gorgia  
KJ4GGV C 145,3000 -0,6000 Savannah Gorgia  
KL7FF C 147,3800 0,6000 Ketchikan Alaska  
KR7ST A 1284,7500 -12,0000 Tuscon Arizona  
KR7ST B 445,9500 -5,0000 Tuscon Arizona  
KR7ST C 147,4100 -1,0000 Tuscon Arizona  
KT7APR B 443,6250 5,0000 Lima Ohio



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KX4DOR B 442,8375 5,0000 Charleston South Carolina  
KX4DOR C 145,2800 -0,6000 Charleston South Carolina  
N1HIT B 448,8750 -5,0000 Manchester New Hampshire  
N1HIT C 145,4000 -0,6000 Manchester New Hampshire  
N4USI B 442,4125 5,0000 Washigton W Maryland  
N4USI C 145,4500 -0,6000 Washigton W Maryland  
N7ARR B 446,8000 -5,0000 Las Vegas Nevada  
N7CI B 445,8500 -5,0000 Phoenix Ost Arizona  
N7IH A 1294,0000 -20,0000 Seattle Washigton  
N7IH B 443,5750 5,0000 Seattle Washigton  
N7IH C 145,2900 0,6000 Seattle Washigton  
NE4SC B 442,7875 5,0000 Conway South Carolina  
NE4SC C 144,9800 2,5000 Conway South Carolina  
NI4CE B 444,4250 5,0000 Tampa SO Florida  
NJ2DG A 1284,0000 -12,0000 New York SW New Jersey  
NJ2DG B 441,6500 5,0000 New York SW New Jersey  
NJ2DG C 145,1400 -0,6000 New York SW New Jersey  
NJ2DS A 1255,3000 12,0000 Philadelphia S New Jersey  
NJ2DS B 447,4750 -5,0000 Philadelphia S New Jersey  
NJ2DS C 146,7750 -0,6000 Philadelphia S New Jersey  
NJ2MC B 446,6250 ??? New York W New Jersey  
NJ2MC C 146,7150 ??? New York W New Jersey  
NM5WR B 442,4250 5,0000 Santa FE New Mexico  
NS9RC A 1292,2000 -20,0000 Cikago Iowa  
NS9RC B 442,0938 5,0000 Cikago Iowa  
NT5RN A 1293,5000 -20,0000 Dallas Texas  
NT5RN B 443,0250 5,0000 Dallas Texas  
NT5RN C 145,1500 -0,6000 Dallas Texas  
NV4FM A 1282,8000 -12,0000 Washigton W Maryland

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NV4FM B 448,0350 -5,0000 Washigton W Maryland  
NV4FM C 145,3400 -6,0000 Washigton W Maryland  
W0CDS A 1283,9625 -12,0000 Denver Colorado  
W0CDS B 446,9625 -5,0000 Denver Colorado  
W0CDS C 145,2500 -0,6000 Denver Colorado  
W0CW A 1285,0500 -12,0000 Kansas City Kansas  
W0CW B 443,4000 5,0000 Kansas City Kansas  
W0MAO B 442,2500 5,0000 Lincoln Nebraska  
W0MAO C 145,2500 -0,6000 Lincoln Nebraska  
W0OMD B 442,2250 5,0000 Springfield Missouri  
W0OMD C 146,7750 -0,6000 Springfield Missouri  
W0SCI B 443,1750 5,0000 Des Moines Iowa  
W0SCI C 145,3500 -0,6000 Des Moines Iowa  
W1IXU B 448,3750 ??? Bristol Connecticut  
W1IXU C 147,4150 ??? Bristol Connecticut  
W1KK A 1282,5000 -12,0000 Chicopee Massachusetts  
W1KK B 449,1750 -5,0000 Chicopee Massachusetts  
W1KK C 145,1500 -0,6000 Chicopee Massachusetts  
W2DGL A 1293,0500 -20,0000 New York W New Jersey  
W2DGL C 146,4450 1,0000 New York W New Jersey  
W3EOC A 1255,5000 12,0000 Philadelphia West Pensilvenia  
W3EOC B 445,0750 -5,0000 Philadelphia West Pensilvenia  
W3EOC C 146,4900 1,0000 Philadelphia West Pensilvenia  
W3EXW B 444,3500 5,0000 Pittsburg Pensilvenia  
W3OI B 445,0250 -5,0000 Pittsburg Pensilvenia  
W3OI C 147,1650 0,6000 Allentown Pensilvenia  
W4AES A 1291,3000 -20,0000 Orlando Florida  
W4AES B 442,0250 5,0000 Orlando Florida  
W4AES C 145,2900 -6,0000 Orlando Florida

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W4AP A 1284,0000 -12,0000 Montgomery Alabama  
W4AP B 443,9750 5,0000 Montgomery Alabama  
W4AP C 146,9200 -0,6000 Montgomery Alabama  
W4BBR A 1284,6000 -12,0000 Virginia Beach Virginia  
W4BBR B 441,9000 5,0000 Virginia Beach Virginia  
W4BBR C 145,3500 -0,6000 Virginia Beach Virginia  
W4BUG A 1291,6000 -20,0000 Fort Lauderdale Florida  
W4BUG B 442,2000 5,0000 Fort Lauderdale Florida  
W4BUG C 145,3400 -0,6000 Fort Lauderdale Florida  
W4DOC A 1282,6000 -12,0000 Atlanta Alabama  
W4DOC B 440,6000 ??? Atlanta Alabama  
W4DOC C 145,3500 -0,6000 Atlanta Alabama  
W4DSI B 444,1250 5,0000 Lexington Kentucky  
W4DSI C 146,9400 -0,6000 Lexington Kentucky  
W4HFH A 1284,6000 -12,0000 Washigton W Maryland  
W4HFH B 442,0600 5,0000 Washigton W Maryland  
W4HFH C 145,3800 -0,6000 Washigton W Maryland  
W4HRS A 1284,2250 -12,5000 Charleston South Carolina  
W4HRS B 444,1125 5,0000 Charleston South Carolina  
W4HRS C 145,1600 -0,6000 Charleston South Carolina  
W4KCQ A 1284,4000 -20,0000 Tuscalosa Alabama  
W4KCQ B 442,0750 5,0000 Tuscalosa Alabama  
W4KCQ C 146,6050 -0,6000 Tuscalosa Alabama  
W4PL A 1291,0000 -20,0000 Chattanooga Tennessee  
W4PL B 443,1500 5,0000 Chattanooga Tennessee  
W4PL C 145,2900 -0,6000 Chattanooga Tennessee  
W4RNT B 444,8125 5,0000 Tampa Florida  
W4TTR B 442,9000 5,0000 Birmingham Ost Alabama  
W4TTR C 145,3500 -0,6000 Birmingham Ost Alabama

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W4WBC A 1283,5000 -12,0000 Huntsvilla Alabama  
W4WBC B 443,4250 5,0000 Huntsvilla Alabama  
W4WBC C 145,3600 -0,6000 Huntsvilla Alabama  
W5GAD A 1285,0000 -12,0000 New Orleans Lousiana  
W5GAD B 444,9250 5,0000 New Orleans Lousiana  
W5GAD C 146,9250 -0,6000 New Orleans Lousiana  
W5HAT B 440,6250 5,0000 Waco Texas  
W5HAT C 147,2400 0,6000 Waco Texas  
W5HDR A 1293,0000 -20,0000 Houston Texas  
W5HDR B 440,6000 5,0000 Houston Texas  
W5HDR C 146,4700 1,0000 Houston Texas  
W5HDT A 1293,2000 -20,0000 Houston Texas  
W5LM B 440,6750 5,0000 Austin Texas  
W5NGU A 1293,4000 -20,0000 Dallas Texas  
W5NGU B 442,9250 5,0000 Dallas Texas  
W5NGU C 147,4500 -1,0000 Dallas Texas  
W5NRU B 441,8125 5,0000 Laurel Mississippi  
W5OKT B 444,2750 5,0000 Woodward Kansas  
W5SHV A 1293,0000 -20,0000 Shreveport Texas  
W5SHV B 442,0000 5,0000 Shreveport Texas  
W5SHV C 147,3000 0,6000 Shreveport Texas  
W5ZDN C 146,9800 -0,6000 Waco Texas  
W6CO B 440,0500 5,0000 Napa California  
W6DHS A 1284,5000 -12,0000 Sacramento Ost California  
W6DHS B 440,6000 5,0000 Sacramento Ost California  
W6DHS C 144,9600 -0,4000 Sacramento Ost California  
W6HRO A 1282,5500 -12,0000 Los Angeles California  
W6HRO B 447,8000 -5,0000 Los Angeles California  
W6HRO C 145,6150 -0,6000 Los Angeles California

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W6YYY B 440,0375 5,0000 Oakland California  
W7AES A 1282,3900 ??? Las Vegas Nevada  
W7AES B 449,5750 -5,0000 Las Vegas Nevada  
W7AES C 145,1450 -0,6000 Las Vegas Nevada  
W7DIN B 445,9750 -5,0000 Yuma Arizona  
W7GC C 147,3900 0,6000 Portland West Oregon  
W7MOT A 1283,9000 -12,0000 Phoenix Arizona  
W7MOT B 440,8125 5,0000 Phoenix Arizona  
W7MOT C 145,1350 -0,6000 Phoenix Arizona  
W7URG B 441,9500 5,0000 Hermiston Oregon  
W7URG C 147,3900 0,6000 Hermiston Oregon  
W7VOI B 444,3500 5,0000 Nmapa Montana  
W8BI B 443,7500 5,0000 Dayton Ohio  
W8BI C 147,1100 0,6000 Dayton Ohio  
W8DIG A 1285,0000 -12,0000 Columbus Ohio  
W8DIG B 442,6500 5,0000 Columbus Ohio  
W8DIG C 145,3900 -0,6000 Columbus Ohio  
W8LIV B 444,0375 5,0000 Detroid West Michigan  
W8LIV C 145,3200 -0,6000 Detroid West Michigan  
W8RNL A 1293,0000 -20,0000 Cincinati Indiana  
W8RNL B 442,6250 5,0000 Cincinati Indiana  
W8RNL C 145,1600 -0,6000 Cincinati Indiana  
W8SHI B 444,3000 5,0000 Flint Michigan  
W8SHI C 145,2400 -0,6000 Flint Michigan  
W9ARP B 444,3000 5,0000 Indianapolis N Indiana  
W9ARP C 146,7300 -0,6000 Indianapolis N Indiana  
W9BCC A 1282,1000 -12,0000 Wausau Wisconsin  
W9ICE B 444,1250 5,0000 Indianapolis Indiana  
W9ICE C 147,3900 0,6000 Indianapolis Indiana

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W9PIA A 1292,4000 -20,0000 Dallas Texas

W9PIA B 443,4688 5,0000 Dallas Texas

W9PIA C 145,1050 -0,6000 Dallas Texas

W9YR B 443,4813 5,0000 Champaign Illinois

WA5UNH B 440,7000 5,0000 San Antonio Texas

Wa6IRC A 1282,6500 -12,0000 Los Angeles California

Wa6IRC B 447,0400 -5,0000 Los Angeles California

Wa6IRC C 145,6050 -0,6000 Los Angeles California

WA7FW B 443,8500 5,0000 Seattle Washigton

WA7FW C 147,0400 0,6000 Seattle Washigton

WB4GNA A 1285,0000 -12,0000 Atlanta W Alabama

WB4GNA B 442,4250 5,0000 Atlanta W Alabama

WB4GNA C 145,3000 -0,6000 Atlanta W Alabama

WD4STR A 1282,5500 -12,0000 Atlanta Ost Alabama

WD4STR B 440,5500 5,0000 Atlanta Ost Alabama

WD4STR C 146,9700 -0,6000 Atlanta Ost Alabama

WD5AAI A 1293,0000 -20,0000 Oklahoma City Oklahoma

WD5AAI B 442,6250 5,0000 Oklahoma City Oklahoma

WD5AAI C 147,3450 0,6000 Oklahoma City Oklahoma

WD5STR B 440,6000 5,0000 San Antonio Texas

WD5STR C 146,4900 1,0000 San Antonio Texas

WD8MKG B 444,0125 5,0000 Muskegon Michigan

WD8MKG C 145,3600 -0,6000 Muskegon Michigan

WH6DIG B 444,9250 5,0000 Honolulu Hawaii

WH6DIG C 147,1800 0,6000 Honolulu Hawaii

WR9AND B 441,8000 5,0000 Indianapolis Indiana

WS4VA A 1282,2000 -20,0000 Washigton S Maryland

WS4VA B 447,3750 -5,0000 Washigton S Maryland

WS4VA C 145,3200 -0,6000 Washigton S Maryland

WU5PIG B 442,6000 5,0000 Fort Smith Arkansas

WX4GPB A 1282,7000 -12,0000 Atlanta Geogia

WX4GPB B 440,7000 5,0000 Atlanta Geogia

WX4GPB C 144,9600 2,5000 Atlanta Geogia

WX8GRR B 442,5500 5,0000 Grand Rapids Michigan

WX8GRR C 147,2900 0,6000 Grand Rapids Michigan

Nochmals die Bemerkung: Diese Liste kann nicht garantieren, welche Repeater derzeiz qrv sind.