Both of these modifications are proven....

1. Pin 6 of PLL chip has no connection...take to D.C. ground thru a switch. (Plenty of switches on the front that can be hard-wired, and used for switching purposes.)

Yields these new frequencies on: Low... 26.555-26.775MHz

MID... 26.780-26.960MHz

These new frequencies are in 5kHz steps!

2. Change the original crystal X-2 (15.0000MHz) to a 15.4800MHz crystal. This changes the main bands: Low/Mid/High to the following frequency ranges: Low = 26.965-27.405MHz

Mid = 27.415-27.855MHz

High = 27.865-28.305MHz

New Truth Table for TP-3, vs. old: with the crystal change....

<table>
<thead>
<tr>
<th>Old</th>
<th>L</th>
<th>M</th>
<th>H</th>
<th>New</th>
<th>L</th>
<th>M</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB</td>
<td>15.8225</td>
<td>16.2725</td>
<td>16.7225</td>
<td>USB</td>
<td>16.2725</td>
<td>16.7225</td>
<td>17.1725</td>
</tr>
</tbody>
</table>

**UPDATE: TRC-448, 'Expanded Slide'**

If you have done the Custom Conversion in Volume 16, pg. 25-30 and not satisfied with the slide: Do the following steps 24A-C.

24-A. Remove R32 and R39, both (47K): no replacement.

B. Remove TC4 and TC5: no replacement.

C. Suggest 'Super Slides' instead of 'Super Diodes' in this particular unit, for bigger swing.

If you have not done the "Custome Conversion" in Vol. 16! Obtain a copy, and follow Steps 17-24 on page 28. (Will also need 8" of Blue wire); then follow steps 24A-C printed above.

**DO NOT REPLACE D13 or D14 with solid buss wire!**