

The Drake HCP2550T, HCP1550T, HCP1450T, and Dracom 450TCPT are upgraded versions of the Drake HCP2550A, HCP1550, HCP1450, and Dracom 450TCP. The "T" Channel models include built-in upconverters to extend coverage of the input section to include channels T7 through T14 for the HCP2550T, HCP1550T, and HCP1450T. The Dracom 450TCPT includes coverage from T7 through T13. When the T channel upconverter module, which must be factory installed, is present, the processor may be used in either the normal mode with input channels starting at CH2 or in the T channel mode where the upconverter is connected between the input of the normal tuner and the input signal. To use the T channel mode, the included F connector jumper cable is simply installed between the **UP CONVERTER OUTPUT** and the **RF INPUT** and the T channel input signal is connected to the **T7 TO T14 IN** input instead of the **RF INPUT**. These connections are all on the rear panel of the processor. To use the processor for normal input channels, the jumper can be removed and the normal input (RF INPUT) used.

When the upconverter is used, input channel T7 is selected by choosing channel 7 on the input channel switch, T8 is selected by setting 8, and so on through input channel T13 which is selected by setting 13 on the input channel switch. For input channel T14, the front panel switch is set to 23.

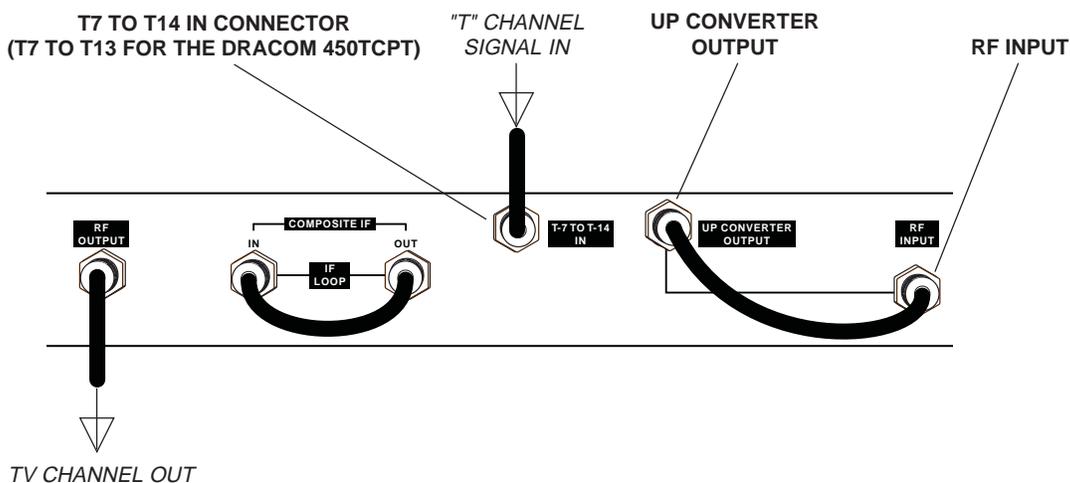
The specifications for the T series of channel processors are identical to the non T versions when used on normal channels without the input upconverter connection. When the upconverter is in use, the additional specifications, listed below, will also apply for use with T channel input channels.

These T series processors accept **T channel input** signals but **output coverage does not extend below channel 2**. Thus, T channels can be converted to any other channel in the processor's output range starting with channel 2 and up.

NOTE: When using the T channel upconverter module option on the 450TCPT only, avoid use on input channels if an adjacent channel is present at the input and output. For adjacent channel operation, use the HCP1450T, HCP1550T, or HCP2550T models, which have additional SAW filtering.

UPCONVERTER SPECIFICATIONS

- Gain: Unity ± 2 dB.
- Noise Figure: Less than 10 dB.
- Input Level (T channels): + 30 dBmV maximum.
- Input Return Loss: 15 dB typical.
- Local Oscillator: 168.250 MHz, PLL synthesized and locked to processor reference.



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