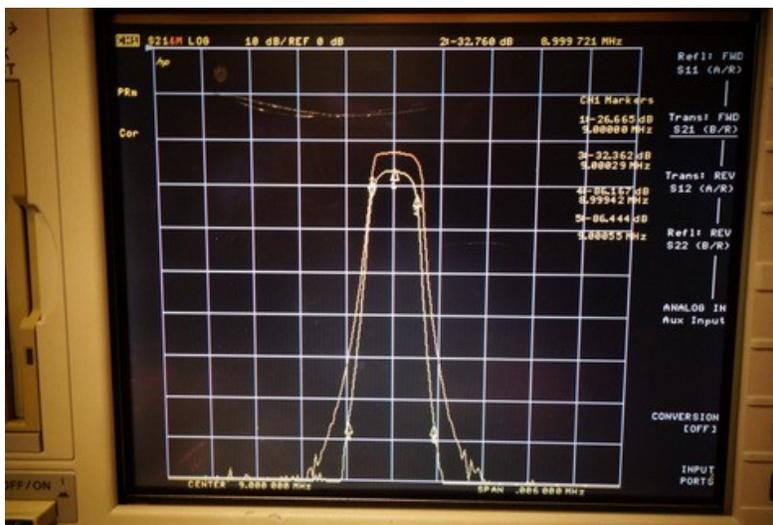


## FTDX5000: Installing the Inrad 500 Hz Roofing Filter

The FTDX5000 comes standard with a 600 Hz roofing filter in the CW normal position. While the performance of this filter is good, for those seeking improved performance, Inrad offers a 500 Hz (#2304) filter option for this radio. Not only is the bandwidth narrower, but the skirts are steeper, offering improved performance under heavy QRM conditions. Insertion loss is slightly higher than the stock filter.



Inrad 500 Hz filter vs. Stock 600 Hz filter

### Installation Instructions

Carefully read the instructions all the way through before beginning this modification.

**Warning:** Modern radios contain components which may be damaged by static discharge. Precautions must be taken to eliminate any static electricity buildup between the operator and the radio before any of the internal circuits are touched. If you are not familiar with the proper techniques for this, consult the *Radio Amateurs Handbook*.

1. Disconnect the transceiver AC line cord from AC power.
2. Place the radio right side up on a soft surface with the front panel facing you. Remove the top cover by removing the four screws on the top and three screws on each side of the radio.
3. Turn the radio so that the right side is facing you.
4. Locate the small side plate and take out the three screws.

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5. Remove the side plate exposing the installed Yaesu roofing filters. See Fig 1.
6. To replace the 600 Hz Yaesu filter, carefully tug and gently pull the filter out using your fingers. The filters are plugged in and do not need to be unsoldered.
7. Check that the six pins of your new Inrad filter are straight and very carefully align the pins to the plugs and gently work the filter in until it seats completely. The filter is symmetrical and may be installed in either direction. See Fig. 2.
8. The Inrad filters are taller than the stock Yaesu filters. There is a foam strip on the back of the removable side plate. While it is possible to reinstall the side plate without modification, you may want to cut some of the foam back where the Inrad filter is installed.
9. Reinstall the side plate.
10. Reinstall and the top cover and you are ready to go. The "600" setting on the front panel remains, but your new narrow filter is now selected.



Figure 1. Side plate open



Figure 2. Inrad 500 Hz CW filter installed