

# DRM Modification - YAESU FRG 8800

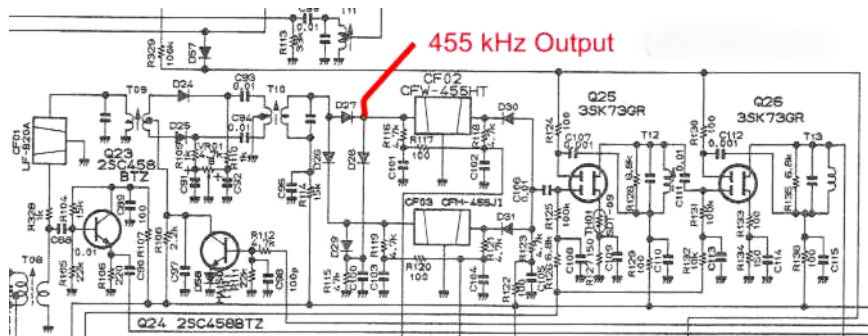


For this Modification you will need a **467kHz mixer unit** from SAT-Schneider /Germany <http://www.sat-schneider.de> ( It will cost you about 50 € ), and also a 12kHz wide ceramic filter like a **Murata CFW 455F**. ( it`s about 3 € )

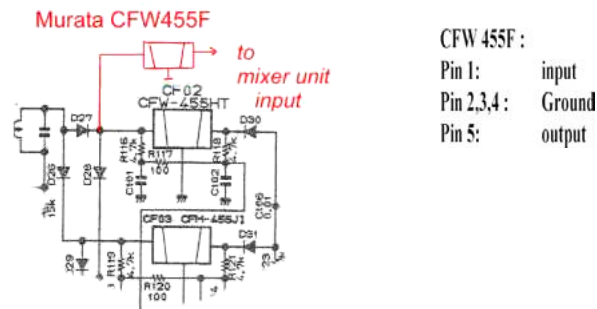
In my case, I did not replace any of the existing filters inside my **YAESU**. So the Receiver works exactly the same way, as it did before my modification. But with an additional function, - **DRM**.

## And that`s the easy way of modification:

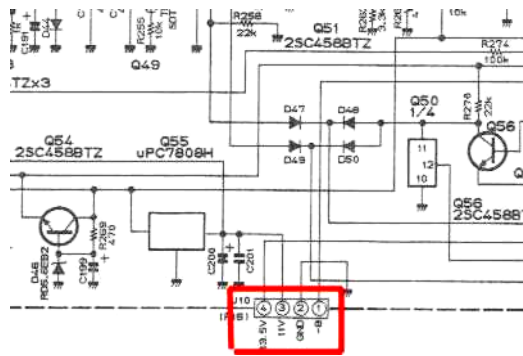
1.)The 455kHz signal is tapped at D27



2.)Unlike most other modifications, I added the new filter into the input line of the mixer unit.



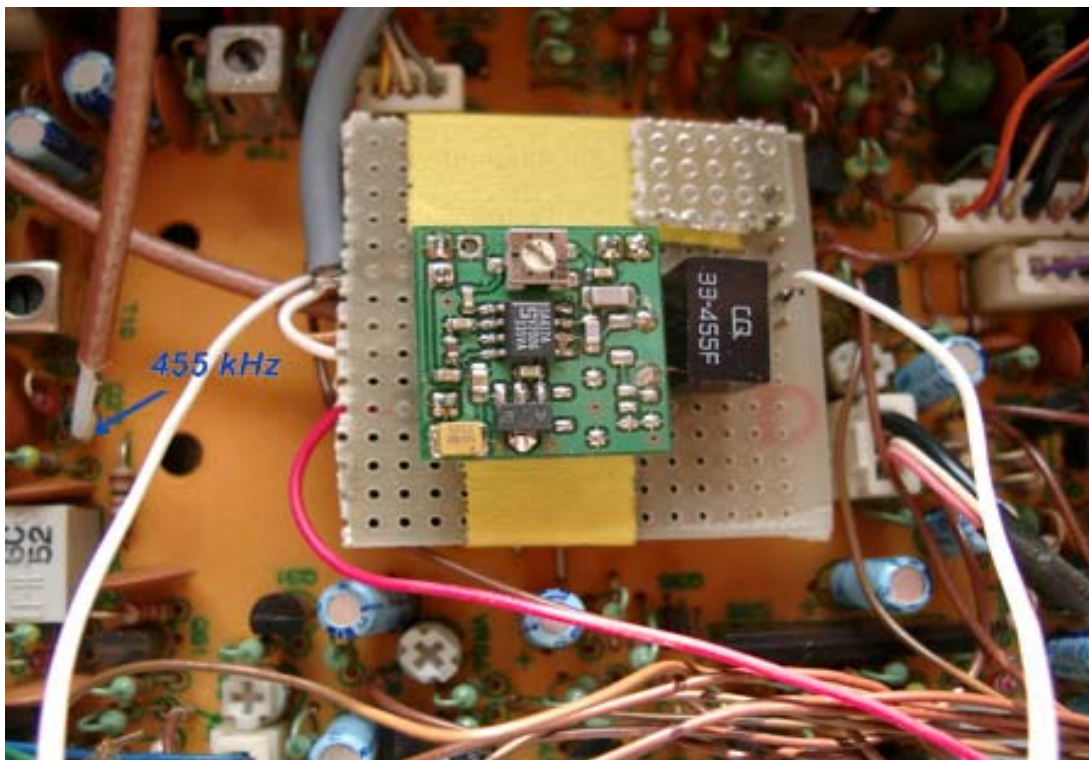
3.) The Power connection was made between Pin 3 ( Jumper J 10 ) and ground, which you can find at Pin 2 ( also Jumper J10 )



4.) For the 12 kHz DRM output signal, I have mounted a Lemo socket at the rear of my FRG 8800



SAT-Schneider mixer unit with added Murata Filter CFW 455F

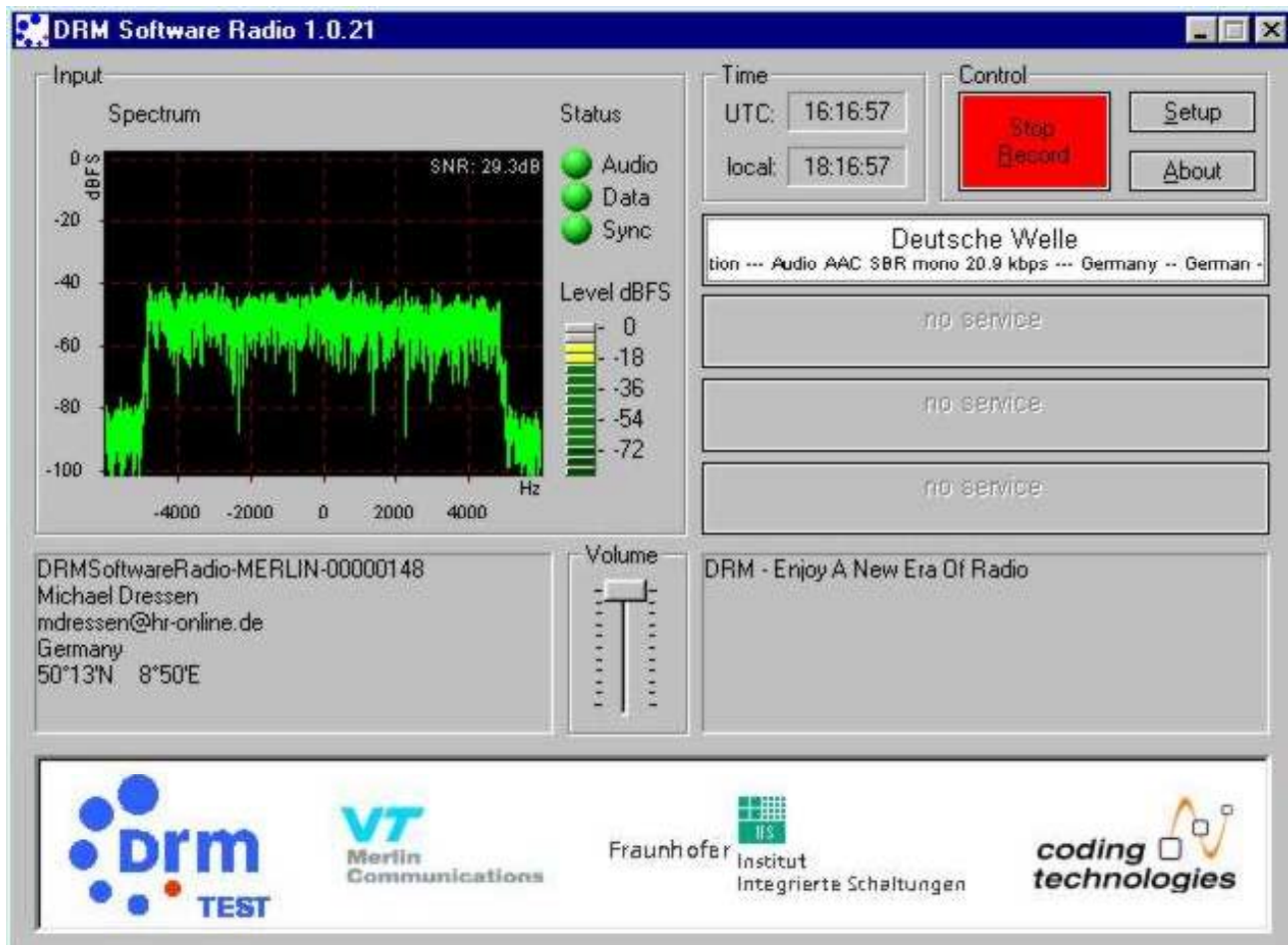


**Note:** If after modification, the spectrum does not look flat, add a resistor (about 50 Ohm) between output and ground of the filter, to match it to the circuit. ( depends on the filter )

In case of no audio or no sync try to invert the input signal ( in the **Setup Menu** of FhG Software)

## Reception result with the modified FRG 8800 and a long wire antenna

( Transmission from „*Deutsche Welle*“ / Juelich on 6140kHz, 23/04/03)



**Note from editor:** (James Briggs): Michael, thanks for this excellent modification. I think it is worth mentioning that you found this modified receiver had a better performance than the FRG 100 that you also modified before.

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