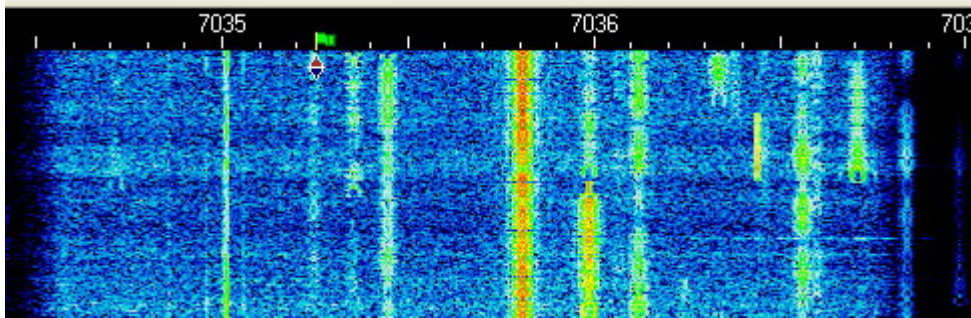


## FT2000 PEP v1.43 / EDSP11.45 Some of my RX tests (S51AY)

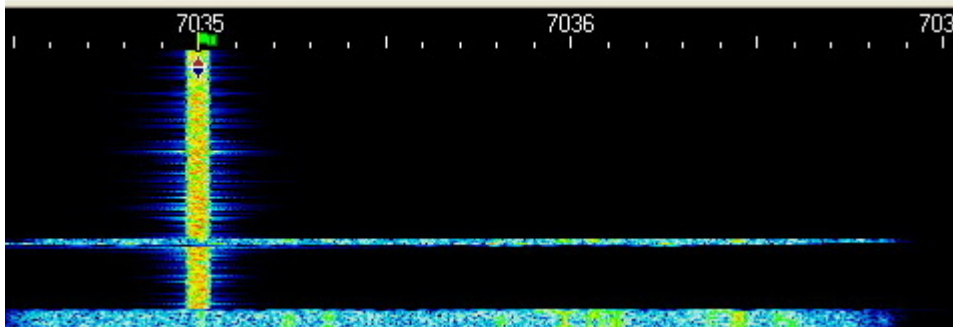
First example is on PSK31. Contour works very fine in +dB mode. Setting is +18dB, Contour width is 5.

On cursor position is an weak PSK31 signal, which is not really readable.

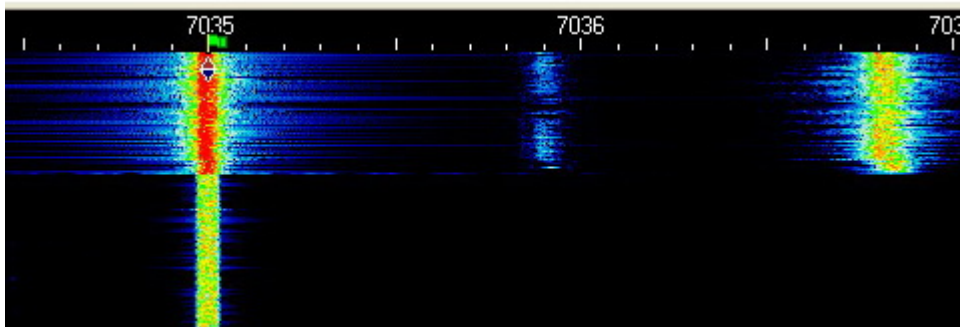


Then i press my »magic button«, combination of CAT and program commands (my software Trick). That ´s program function Align, VFO A on CW (RX), VFO B on SSB (TX), Split operation ON, CW filter (100Hz) on VFO A to ON, IF Shift to peak frekveny of CW filter, VFO B frequency shift on difference between CW-SSB, so i will transmit exactly on RX frequency,...

Anyway, signal from 7035,25 is shifted to 7035,0.



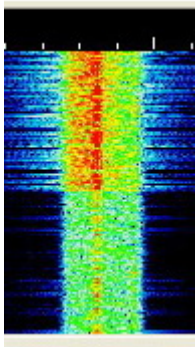
Now the signal is stronger, reception quality is abot 70-80%. That ´s usable, but now i switch ON the Contour, setted to +18dB :



Signal is much stronger, reception quality (decoding) is near 95-100 % ! Just see the difference between first and third picture !!! The signal on cursor position is the same ! I just can say FANTASTIC !

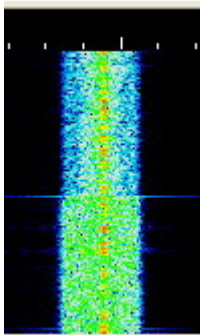
Sound Blaster´s 20dB boost was all the time ON.

Next test is on weak CW signal, on 40m with Contour and 200Hz CW filter.



You can clearly see, when Contour was switched ON (+18dB, Contour width = 5) and what is the difference !

And finally, the APF test. That was also on 40m / CW, with 200Hz CW filter, signal of VK6DU in Slovenia (S5).



Perfect cleaning around the signal ! That´s the difference between Contour and APF. But i have an idea. This cleaned signal can be a little amplified, and can have some peak ! Maybe some 10dB ? Weak Signal will be louder and easier to copy with less noise. Or better, is possible to make this amplification adjustable ? In this case FT-2000 will have one of the best CW receiver !

You can say also, that APF will be then the same function as Contour in +dB mode ? No, APF is much more cleaned around the signal !

But Yaesu, please don´t touch the Contour function, it is wonderful on digimodes !

S51AY