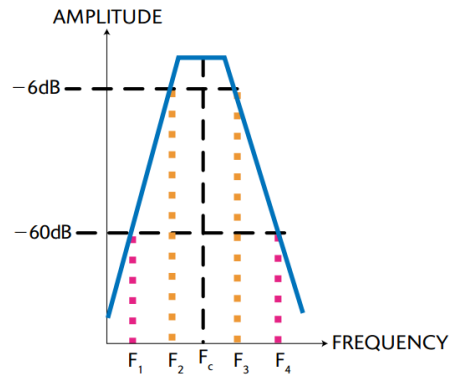


ExpertSDR2 RX filters shape factor measurements

$$\text{Shape Factor} = (F4-F1)/(F3-F2)$$



Filter	50(CW)	100(CW)	500 (CW)	1000(CW)	1800(SSB)	2400 (SSB)	2900 (SSB)
Filter Taps:	1537(Default)						
Filter BW -6dB, kHz	79	108	504	1002	1803	2404	2906
Shape factor:	2.74	2.42	1.30	1.16	1.08	1.07	1.06
Filter Taps:	7681(Max)						
Filter BW -6dB, kHz	74	97	500	1000	1796	2400	2900
Shape factor:	1.7	1.39	1.07	1.03	1.02	1.02	1.01

Shape factor decreasing with filter width.

RX filter's shape factor can be decreased by increasing RX Filter Taps (Options-Device-DSP-DSP-Filter Taps).

TX filter's shape factor can be decreased by increasing TX Filter Taps (Options-Device-TX-TX Filter Taps).