

FT-980 First IF output for panoramic SDR

The FT-980's receiver mixer is a double FET transistor followed by a preamplifier with a common gate FET Q11. At the output of the transformer T30, the IF is available before the first crystal filter XF01. At this point, we have at least +/- 1 MHz of bandwidth around the first intermediate frequency of 47.055 MHz. The signal already has a gain of +12 dB with a slight attenuation of 6 dB in the 20 kHz band of the crystal filter.

