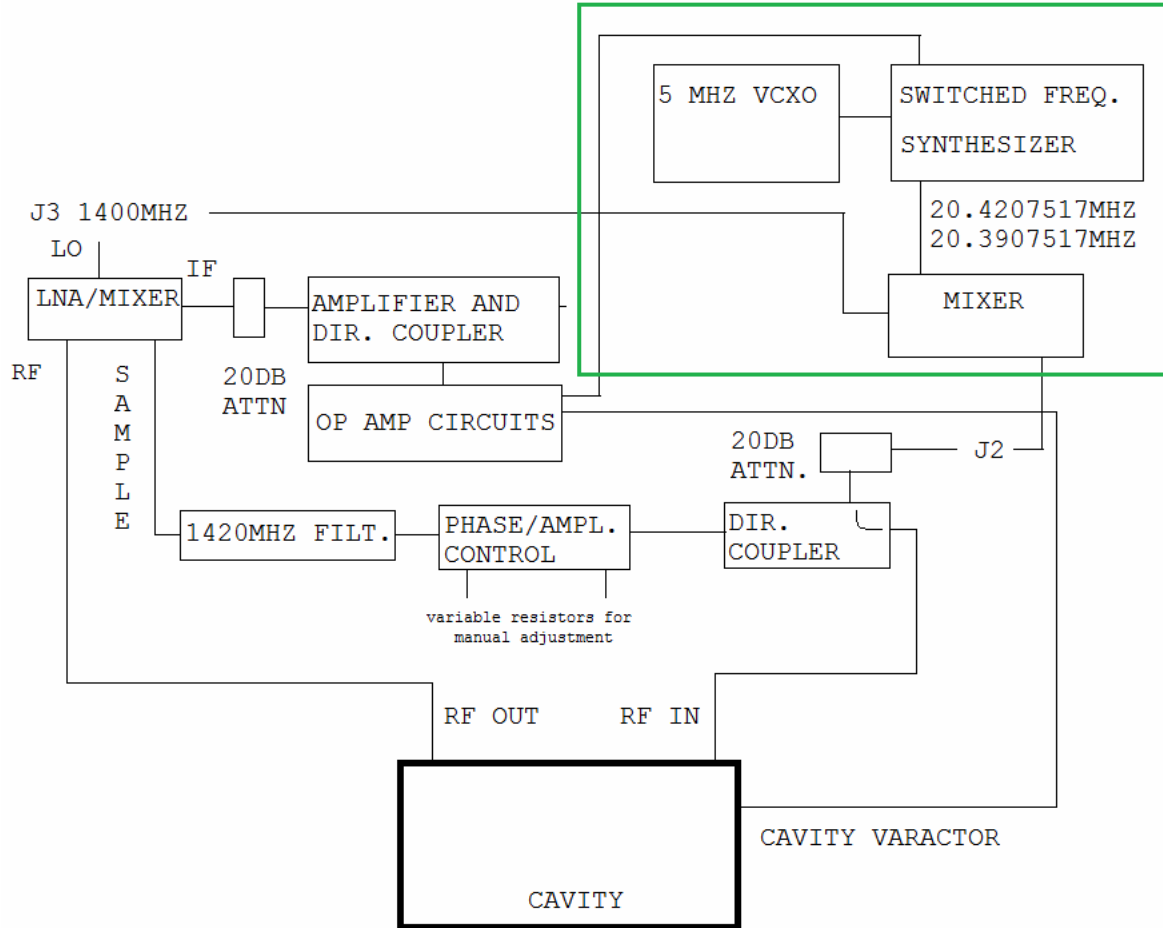


CAVITY CONTROL LOOP



Portion outlined in green will need to be added.

Theory is that the synthesizer is switched back and forth at about a 10-12hz rate and the plus and minus 15khz offset falls at the 3db cavity points. This produces AM modulation which is detected in the op amp circuits. A synchronous demod in the op amp circuits outputs a correction voltage to the cavity varactor to stabilize the cavity frequency.

The input to J2 will be approx. -60dbm.